



Geotechnical
Environmental and
Water Resources
Engineering

**Quarterly Operations, Maintenance & Monitoring Report
Third Quarter (Q3) 2009**

Bay Shore/Brightwaters Former MGP Site

Town of Islip

NYSDEC Consent Index No. D1-0001-98-11

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1. Introduction

This report presents the third quarter 2009 (Q3 2009) operations, maintenance and monitoring (OM&M) results for the Bay Shore/Brightwaters Former Manufactured Gas Plant (MGP) Site located in Bay Shore, Suffolk County, New York (the Site). This report has been prepared in accordance with the requirements of Section 6 of DER-10, Technical Guidance for Site Investigation and Remediation, Order on Consent, Index No. D1-0001-98-11 signed by KeySpan Corporation (KeySpan) (currently known as National Grid) and the New York State Department of Environmental Conservation (NYSDEC), and the Operable Unit 2 Remedial Decision Document.

In 2003, the Site was divided into four operable units to more effectively manage investigation and remediation activities (**Figure 1**). The OM&M results of all four operable units have been combined in this report in order to present an overall picture of trends relating to effectiveness of the dense non-aqueous phase liquid (DNAPL) recovery, groundwater treatment systems operating at the Site, and remedial activities on groundwater quality in the upper glacial aquifer. The locations of the DNAPL recovery and groundwater treatment systems are presented on **Figure 1** and descriptions are presented in the applicable sections for each operable unit.

OM&M activities include maintenance and monitoring of the DNAPL recovery and groundwater treatment systems, quarterly and monthly groundwater monitoring, and monitoring of soil vapor and ambient air. The OM&M results for each operable unit are presented in the following sections of the report: Section 2 - Operable Unit 1 (OU-1); Section 3 - Operable Unit 2 (OU-2); Section 4 - Operable Unit 3 (OU-3); and Section 5 - Operable Unit 4 (OU-4). In February 2009, NYSDEC approved the reconfiguration of the boundaries of OU-1 to include the portions of National Grid-owned properties north of Union Boulevard once designated as part of OU-2. This change was designed to refine the areas where OU-1 and OU-2 overlapped and designate areas involved with portions of the OU-1 remedy (i.e., subsurface barrier wall installation, in-situ chemical oxidation) as part of OU-1 and not OU-2. The soil vapor and ambient air results contain data for all operable units and are presented in Section 6.

Significant new remedial activities conducted during Q3 2009 include the startup of one additional oxygen injection system line within the OU-2 groundwater plume. Information pertaining to the operation and monitoring data from this system is included in this report.

Starting with the Q1 2009 report and provided in this Q3 2009 OM&M report, the graphical depiction and discussion of much of the data associated with the site operable units , have

been modified from previous reports with the intent of facilitating the interpretation and understanding of the data. These modified data and graphics presentations involved input from NYSDEC, and Bay Shore and Brightwaters community members, including their independent environmental consultant. The modifications primarily involve the graphical presentation of groundwater quality data using maps to depict the distribution of specific constituents, as well as trends of constituent concentrations (including both graphical trends and statistical trends). The details of these modifications are described in the appropriate sections of this report.

1.1 Background

The former MGP operations began in the late 1880s and continued into the 1970s. Most of the MGP facilities were demolished in 1973. Various remedial investigation activities have been completed at the Site. The results of the investigations and discussion of the Site history are presented in the Remedial Investigation Report (Dvirka and Bartilucci Consulting Engineers [D&B], 2002) and the Final Remedial Investigation Report (D&B, 2003). Several Interim Remedial Measures (IRMs) have been conducted since 1999 in OU-1, OU-2, OU-3, and OU-4. A brief description of each IRM is presented for each operable unit below.

OU-1 consists of the Bay Shore Site, formerly the main operations area of the MGP, which is currently owned by National Grid. The following remedial actions, IRM and pilot studies have been performed in OU-1:

- DNAPL Recovery IRM: A DNAPL recovery system was installed in the off-Site area south of the Long Island Railroad (LIRR) (GEI, 2006).
- In-Situ Chemical Oxidation (ISCO) Pilot Studies: Three pilot studies were conducted at the Site in 2004 utilizing Activated Persulfate, Modified Fenton's Reagent and Activated Fenton's Reagent (GEI, 2005).
- Surfactant-Enhanced In-Situ Chemical Oxidation (S-ISCO) Pilot Study: A pilot study was conducted in 2006 utilizing a surfactant to solubilize MGP-related impacts and Sodium Persulfate to oxidize those impacts (GEI, 2007a).
- OU-1 Southern Cell Excavation (February 2007 through April 2007). This excavation consisted of the removal of source material to a maximum depth of 25 feet below ground surface (bgs). The excavation was completed in support of the utility relocation in association with the excavation of source material in OU-1 located north of the LIRR tracks (GEI, 2004c).
- Subsurface Barrier Wall Installation (April 2007 through April 2008). The installation of the subsurface barrier wall commenced in April of 2007 and was completed in April 2008. The barrier was installed as part of the Remedial Action Plan (RAP) for OU-1 (GEI, 2004c).

- **Oxygen Injection System:** An oxygen injection system was installed along the downgradient edge of OU-1 in February 2008 as an IRM to treat groundwater at the perforated portion of the subsurface barrier wall until construction of the groundwater treatment building and installation and start-up of the full-scale groundwater treatment system is completed.
- **Groundwater Treatment System:** Construction of the groundwater treatment building that will house the treatment system equipment began in February 2009. Construction of the groundwater treatment system ozone injection wells and soil vapor extraction laterals began in July 2009. The ozone injection system is on schedule to begin operation during October 2009.

OU-2 consists of the groundwater plume which extends south/southeast from OU-1. The following IRMs have been performed in OU-2:

- **Oxygen Injection IRM:** A groundwater treatment system utilizing the oxygen injection technology was installed in Q4 2005 (GEI, 2006). The treatment system consists of two injection lines located along Montauk Highway and the intersection of Garner Lane and Manatuck Lane (**Figure 1**). The system injects oxygen into the upper glacial aquifer to increase aerobic biological activity and reduce the concentrations of MGP-related contaminants in groundwater prior to discharge into Lawrence Creek. MGP-related impacts are limited to the upper glacial aquifer. The underlying Magothy aquifer, which is the primary source of public water supply in Nassau and Suffolk Counties, is not impacted from former MGP operations.
- **OU-2 Groundwater Treatment Remedy:** In accordance with the OU-2 Remedial Decision Document (GEI, 2008), three additional groundwater treatment systems (**Figure 1**) utilizing the oxygen injection technology were installed within the OU-2 groundwater plume. All three systems began operation during Q1 2009. A fourth system was installed during Q2 2009 at the downgradient edge/tail of the OU-2 plume, at Lawrence Creek.
- **Plume Tail Oxygen Injection System:** As indicated above, in Q2 2009, an oxygen injection system was installed along the bulkhead of Lawrence Creek at the OU-2 plume tail. The system was brought on-line in August of 2009.

OU-3 consists of the Brightwaters Yard, which is currently owned by National Grid, and the groundwater plume that extends south/southeast from the Brightwaters Yard. The following IRMs have been performed in OU-3:

- **ISCO IRMs:** Three rounds of ISCO by In-Situ Oxidative Technologies, Inc. (ISOTEC) were used to treat the Brightwaters Yard groundwater plume source area in May of 2001, September of 2001, and October of 2004. The treatment involved the

- injection of a chelated iron complex and stabilized hydrogen peroxide (H^2O^2) within the IRM area (Foster Wheeler Environmental Corporation [FW], 2000).
- Excavation IRM: A source area excavation was effective in removing 1,500 tons of source contaminated soils from May to July of 2004 (**Figure 1**) (Paulus, Sokolowski and Sartor Engineering, PC [PS&S], 2004).
 - Oxygen Injection IRM: A groundwater treatment system utilizing oxygen injection technology was installed in Q3 2000 at the intersection of Union Boulevard and Lanier Lane (**Figure 1**). The treatment system consists of one injection line which injects oxygen into the upper glacial aquifer to increase aerobic biological activity and reduce the concentrations of MGP-related contaminants in groundwater prior to discharge into O-Co-Nee Pond. MGP-related impacts are limited to the upper glacial aquifer. The underlying Magothy aquifer, which is the primary source of public water supply in Nassau and Suffolk Counties, is not impacted from former MGP operations.
 - Oxygen Injection IRM: A second groundwater treatment system utilizing oxygen injection technology was installed in Q4 2004 on the Brightwaters Yard adjacent to the LIRR (**Figure 1**). The treatment system consisted of three injection lines which injected oxygen into the upper glacial aquifer to increase aerobic biological activity and reduce the concentrations of MGP-related contaminants in groundwater leaving the Site boundary (PS&S, 2004). MGP-related impacts are limited to the upper glacial aquifer. The underlying Magothy aquifer, which is the primary source of public water supply in Nassau and Suffolk Counties, is not impacted from former MGP operations. The Brightwaters Yard oxygen injection system was abandoned in June of 2009 in support of the OU-3 LIRR Excavation/Temporary Track Relocation IRM.
 - OU-3 Storm Sewer Rehabilitation IRM: Sections of the storm water collection network located within OU-3 were rehabilitated in Q4 2008. This included the replacement of catch basins and the cured in-place lining of drainage piping that is located within the OU-3 groundwater plume.
 - OU-3 LIRR Excavation/Temporary Track Relocation IRM: Site preparation activities for the IRM were initiated in Q1 2009. Site preparation activities continued and excavation support activities were initiated in Q3 2009. The cut and throw from the main line track to the temporary track is scheduled to occur in Q4 2009.

OU-4 consists of a former cesspool area, former pond area, and the headwaters of Watchogue Creek (a.k.a., Crum's Brook), located approximately 400 feet east of the Bay Shore Site. The following IRMs have been, or will be, performed in OU-4:

- Sediments in Watchogue Creek/Crum's Brook were removed and the channel was restored as part of an IRM performed in 2000 (FW, 2002).
- The former cesspool was excavated and shallow impacted soils (vadose zone soils) were removed and treated off-Site as part of an IRM performed in Q4 2005 (**Figure 1**) (GEI, 2004a). The remaining impacted materials below the water table at the former

cesspool area are currently being treated using in-situ treatment technologies. The NYSDEC-approved OU-4 Cesspool Area S-ISCO Work Plan (VeruTEK, 2008) was submitted on February 19, 2008. Site preparation work including installation of the S-ISCO injection wells, monitoring wells and injection lines and mobilization of S-ISCO injection equipment was initiated in Q1 2009. S-ISCO injection was initiated on April 28, 2009 and continued through Q3 2009. The final report for the OU-4 cesspool area IRM will be submitted at the completion of the ISCO portion of the former cesspool area IRM.

- In the former pond area, shallow impacted soils will be removed and treated off-Site as part of an IRM that was approved by the NYSDEC in April 2006 (GEI, 2006a). Impacted soils below the water table will be treated using in-situ methods following the results of the S-ISCO implementation on OU-4 and/or through excavation.

2. Operable Unit 1 – Bay Shore Site, Bay Shore West Parcel and Adjacent Off-Site Areas

2.1 DNAPL Recovery System and NAPL Monitoring

2.1.1 Program Scope and Purpose

A DNAPL recovery system was installed in recovery well BBRW-02 in January 2006. The DNAPL recovery system consists of a Blackhawk Electric Anchor Piston Pump which recovers DNAPL from BBRW-02 and discharges to a United States Department of Transportation/United Nations (USDOT/UN) approved 55-gallon steel drum. The DNAPL recovery system is currently scheduled to be operated approximately once every three weeks. DNAPL recovery operations were limited during Q3 2009 because of access restrictions associated with both the groundwater treatment building and pump enclosure construction. A shed to house the pump, control panel, and collection drums is currently under construction.

The presence and thickness of light non-aqueous phase liquids (LNAPL) and/or DNAPL is gauged in wells BBRW-02, BBRW-05, BMW-05D, and BMW-22D on a weekly basis. BMW-20D was damaged in Q1 2008 during construction activities on OU-1 and has not been gauged since. BBRW-01 was abandoned in support of the OU-1 Southern Cell Excavation in Q1 2007. RW-03 and RW-04 were abandoned on April 1, 2009 to facilitate construction of the ozone injection system in OU-1 South. These wells are located in OU-1 south of the LIRR (**Figure 1**).

2.1.2 Current Site Activity

The following DNAPL recovery and non-aqueous phase liquids (NAPL) monitoring events occurred during Q3 2009.

- **DNAPL Recovery:** The DNAPL recovery system in BBRW-02 was operated on the following dates:
 - July 23, 2009 – DNAPL Recovery, Scheduled Operation 62
 - August 20, 2009 – DNAPL Recovery, Scheduled Operation 63
 - September 11, 2009 – DNAPL Recovery, Scheduled Operation 64
- **NAPL Gauging:** Wells BBRW-02, BBRW-05, BMW-05D, and BMW-22D were gauged for the presence of LNAPL and DNAPL on the following dates:

- July 2, 10, 17*, and 24, 2009
- August 7, 14, 20, and 28, 2009
- September 4, 11, 17, and 28, 2009

*BBRW-05 was not measured

2.1.3 DNAPL Recovery and NAPL Monitoring Data

The DNAPL recovery system and NAPL monitoring data are provided on the following tables and figure.

- **Table 2-1 Summary of DNAPL Removal for Recovery Well BBRW-02** – provides DNAPL thickness prior to and after pumping events and volume of DNAPL recovered from BBRW-02. Approximately 6.46 gallons of DNAPL were recovered during Q3 2009. Approximately 303 gallons of DNAPL have been recovered since the beginning of DNAPL recovery operations.
- **Table 2-2 Summary of Measured DNAPL Thickness** – provides NAPL thickness in existing NAPL gauging wells BBRW-02, BBRW-05, BMW-05D, BMW-20D, and BMW-22D. Measured DNAPL thickness has remained consistent between Q1 2009 and Q3 2009.
- **Figure 2 DNAPL Recovery Data BBRW-02** – illustrates historical pre- and post-DNAPL recovery thickness and volume of DNAPL recovered from BBRW-02. The operational schedule of the DNAPL recovery system was changed from operating once every two weeks to approximately once every three weeks in Q2 2008 due to decreasing recovery. DNAPL recovery thickness and the amount of DNAPL recovered have been inconsistent since the change in operational schedule.

2.1.4 Future Plans

- The DNAPL recovery system will continue to be manually operated at a frequency of once every three weeks.
- The pumping interval will continue to be evaluated on a quarterly basis.
- The operational schedule will be adjusted if a significant change in the DNAPL recovery rate continues.
- The DNAPL/aqueous solution will be removed and disposed of by a licensed liquid hazardous waste transporter to a treatment, storage and disposal facility (TSDF) capable of receiving the specific waste material. The schedule of removal will be established such that DNAPL storage time on-Site does not exceed 90 days from the start of accumulation in a drum.
- The permanent enclosure to house the pump, well, and control panel is anticipated to be completed during Q4 2009.
- Install replacement and additional DNAPL recovery wells.

2.2 Oxygen Injection System

2.2.1 Program Scope and Purpose

An oxygen injection system was installed downgradient of the perforated portion of the subsurface barrier wall at the downgradient edge of OU-1 in February 2008. This system is currently being used to treat groundwater at the perforated portion of the subsurface barrier wall until the full scale groundwater treatment system is complete. The location of the oxygen injection system is illustrated on **Figure 1**.

2.2.2 Current Site Activity

The following OU-1 oxygen injection system monitoring and system operation activities were performed in Q3 2009.

- **Monthly Groundwater Parameter Monitoring:** On a monthly basis, four monitoring wells downgradient of the oxygen injection line (OZMW-17S, OZMW-17I, OZMW-17I2, and OZMW-17D) are monitored for Dissolved Oxygen Content (DO), Oxidation Reduction Potential (ORP), pH, Conductivity, and Temperature. Monthly Groundwater Parameter Monitoring was performed on the following dates:
 - July 29, 2009
 - August 27, 2009
 - September 17 and 18, 2009

- **System Operation Monitoring:** The oxygen injection groundwater treatment system is monitored on a monthly basis to ensure effective continued operation. During each monitoring event, system parameters relating to system operational and equipment readiness are recorded and adjusted as necessary to optimize system performance. System Operation Monitoring was performed on the following dates:
 - July 22, 2009
 - September 3, 2009
 - October 2, 2009

- **Quarterly Groundwater Sampling:** Select monitoring wells upgradient and downgradient of the oxygen injection system located in OU-1 are sampled quarterly for volatile organic compounds (VOCs) and semivolatile organic compounds (SVOCs). Groundwater quality parameters (DO, pH, temperature, conductivity and ORP) are also recorded for each well during the quarterly sampling. Details on the groundwater sampling program are provided in Subsection 2.3 below.

2.2.3 Oxygen Injection System OM&M Data

The OM&M data collected for the OU-1 oxygen injection system is provided in the following table, figure and appendix:

- **Table 2-3 Summary of Groundwater Parameter Data – OU-1 Oxygen Injection System** - provides data gathered at downgradient monitoring well clusters OZMW-16, OZMW-17, and OZMW-18. DO levels in all clusters remained consistent between Q2 2009 and Q3 2009.

The data presented on this table indicate that for Q3 2009:

- DO concentrations ranged between 0 and 20.0 milligrams per liter (mg/L) in all downgradient monitoring wells.
 - ORP values were elevated in several downgradient monitoring wells. ORP values ranged between -152 and 213 millivolts (mV).
 - pH varied between 5.03 and 6.89 Standard Units (SU) in downgradient monitoring wells.
 - Conductivity in downgradient monitoring wells ranged between 0.346 and 1.61 milli-Siemen per centimeter (mS/cm).
 - Temperature ranged between 15.3 and 18.9 degrees Celsius (degrees C) in downgradient monitoring wells, typical for Q3 conditions.
- **Figure 6 OU-1 Union Boulevard Oxygen Injection Line Groundwater Data** – provides a graphical depiction of DO levels, total benzene, toluene, ethylbenzene and xylenes (BTEX) and total polycyclic aromatic hydrocarbon (PAH) concentrations over time for wells located downgradient of the OU-1 oxygen injection line. **Figure 6** provides data for the monitoring well clusters OZMW-16, OZMW-17, OZMW-18, BBMW-01, and BBWM-23. Significant decreases of MGP-related contaminants have been observed downgradient of the OU-1 oxygen injection line at monitoring wells where effects of the oxygen injection system have been noted (OZMW-16S, OZMW17S, OZMW-17I, OZMW-18S, OZMW-18I, and BBMW-01S). Further groundwater trend analysis is discussed in Subsection 2.3.4.1.
 - **Appendix A OU-1 Oxygen Injection System OM&M Data** – provides data collected during system operation monitoring. The data provided in **Appendix A** indicate that:
 - Approximately 443 lbs of oxygen have been injected during Q3 2009 and a total of 2,211 lbs of oxygen have been injected since the initial start-up period.
 - The OU-1 oxygen injection system operated for all 92 days during Q3 2009.

2.2.4 Future Plans

- Continue monthly system inspections, groundwater monitoring and quarterly sampling for contaminants of concern (COC).
- Continue to conduct weekly system inspections.
- Conduct labor intensive maintenance on the system.

2.3 Groundwater Monitoring

2.3.1 Program Scope and Purpose

Groundwater monitoring is conducted within OU-1 to aid in monitoring the groundwater plume (OU-2), and establishing baseline conditions against which the effectiveness of the planned ozone injection system and other remedial activities can be evaluated. Sixteen monitoring wells at four well cluster locations (OZMW-16S, I, I2, D; OZMW-17S, I, I2, D; OZMW-18S, I, I2, D and OZMW-22S, I, I2, D) were installed outside of the subsurface barrier and at the downgradient boundary of OU-1 in Q1 2008. The wells were installed to monitor the performance of the ozone injection system which is being installed at the perforated portion of the subsurface barrier wall. Three of the monitoring well clusters (OZMW-16S, I, I2, D; OZMW-17S, I, I2, D; and OZMW-18S, I, I2, D) are currently being used to monitor the performance of the oxygen injection system installed at this location. The well locations and geographic boundaries of OU-1 are illustrated on **Figure 1**. The distribution of groundwater quality in OU-1 was significantly defined with the installation and sampling of seven new groundwater monitoring well clusters as part of the Phase 3 Remedial Design Report Pre-Design Data Collection Program and Groundwater Monitoring Well Program implemented during Q3 2009. The wells sampled each quarter are selected based on previous analytical data and discussions with NYSDEC.

2.3.2 Current Site Activity

The following groundwater monitoring activities took place in OU-1 during Q3 2009.

- Depth to groundwater measurements were obtained on July 13 and 14, 2009 from 32 wells.
- Groundwater samples were collected from 59 monitoring wells located in OU-1.
- Groundwater samples from 7 of the 59 wells were analyzed for total BTEX by United States Environmental Protection Agency (EPA) Method 8260 and for PAH by EPA Method 8270. Groundwater samples from the remaining 52 wells were analyzed for an expanded list of VOCs (EPA Method 8260) and PAH (EPA Method 8270).

2.3.3 Groundwater Elevation Data

The depth to groundwater and groundwater elevation data for OU-1 are provided on the following tables and figures.

- **Table 2-4 Water Level Measurements and Calculated Groundwater Elevations** – provides depth to water measurements and calculated groundwater elevation data for OU-1 wells measured in Q3 2009. The elevation data presented on this table is in reference to the North American Vertical Datum (NAVD) 88 datum.
- **Table 2-5 Historic Calculated Groundwater Elevations** – provides historic groundwater elevations for existing OU-1 groundwater monitoring wells. All historic groundwater elevation data presented has been recalculated based on the November 2007 survey data and the NAVD88 datum.
- **Figure 3 On-Site Shallow Groundwater Contour Map** – provides the Q3 2009 shallow groundwater elevation contours for OU-1 and OU-3.
- **Figure 4 Shallow Groundwater Contour Map** – provides the Q3 2009 shallow groundwater elevation contours for OU-1, OU-2, OU-3 and OU-4.
- **Figure 5 Deep Groundwater Contour Map** – provides the Q3 2009 deep groundwater elevation contours for OU-1, OU-2, OU-3 and OU-4.

The groundwater flow direction in OU-1 is towards the south/southeast. The shallow groundwater hydraulic gradient is approximately 0.0028 feet/foot and the deep groundwater hydraulic gradient is approximately 0.0031 feet/foot. The groundwater elevation in OU-1 monitoring wells during the Q3 2009 event were an average of approximately 0.04 feet lower than the Q2 2009 groundwater elevations and an average of approximately 0.95 feet higher than the Q3 2009 groundwater elevations.

2.3.4 Groundwater Analytical Data

The groundwater analytical results for groundwater monitoring wells located in OU-1 and sampled in Q3 2009 are provided on the following tables and appendices:

- **Table 2-6 Summary of Historic Total BTEX Groundwater Analytical Results** – provides a summary of historical total BTEX results for existing OU-1 groundwater monitoring wells.
- **Table 2-7 Summary of Historic Total PAH Groundwater Analytical Results** – provides a summary of historical total PAH results for existing OU-1 groundwater monitoring wells.
- **Table 2-8 Summary of BTEX, MTBE and PAH Groundwater Analytical Results** – provides the Q3 2009 groundwater analytical results for monitoring wells located in OU-1 for the analyzed compounds detected.

- **Table 2-9 Summary of Expanded Groundwater Analytical Results** – provides the Q3 2009 groundwater analytical results for monitoring wells located in OU-1 that were analyzed for the expanded list of VOCs for each compound detected.
- **Table 2-10 Summary of Total BTEX Statistical Trends** – provides statistical trends of concentrations beginning when the upgradient oxygen injection system was installed or the subsurface barrier wall was completed, through Q3 2009.
- **Table 2-11 Summary of Total PAH Statistical Trends** – provides statistical trends of concentrations beginning when the upgradient oxygen injection system was installed or the subsurface barrier wall was completed, through Q3 2009.
- **Figure 12 Water Table Groundwater BTEX Iso-Concentration Map – Q3 2009 Data** – depicts the horizontal extent of total BTEX in the water table portion of the upper glacial aquifer for OU-1.
- **Figure 13 Intermediate Groundwater BTEX Iso-Concentration Map (10-50 Feet bgs) – Q3 2009 Data** – depicts the horizontal extent of total BTEX in the 10 to 50-foot depth zone of the upper glacial aquifer for OU-1.
- **Figure 14 Deep Groundwater BTEX Iso-Concentration Map (Below 50 Feet bgs) – Q3 2009 Data** – depicts the horizontal extent of total BTEX in the deeper than 50-foot depth zone of the upper glacial aquifer for OU-1.
- **Figure 15 Water Table Groundwater PAH Iso-Concentration Map – Q3 2009 Data** – depicts the horizontal extent of total PAH in the water table portion of the upper glacial aquifer for OU-1.
- **Figure 16 Intermediate Groundwater PAH Iso-Concentration Map (10-50 Feet bgs) – Q3 2009 Data** – depicts the horizontal extent of total PAH in the 10 to 50-foot depth zone of the upper glacial aquifer for OU-1.
- **Figure 17 Deep Groundwater PAH Iso-Concentration Map (Below 50 Feet bgs) – Q3 2009 Data** – depicts the horizontal extent of total PAH in the deeper than 50-foot depth zone within the upper glacial aquifer.
- **Appendix E** – presents time series plots of historical concentrations in groundwater monitoring wells.
- **Appendix F** – identifies wells and depicts the distribution of pH values outside the 5.0 to 7.0 standard units (SU) range in groundwater. For OU-1, the pH in 2 wells was below 5.0 SU and in 14 wells was above 7.0 SU. The data presented in **Appendix F** are field screening values obtained during groundwater sampling activities.

2.3.4.1 Distribution of Total BTEX and Total PAH in the Upper Glacial Aquifer

The distribution of total BTEX and total PAH concentrations, within the upper glacial aquifer at OU-1 for Q3 2009, is included on **Figures 12 through 14** and **Figures 15 through 17**, respectively. The horizontal distribution of the constituent groups in each map is depicted as lines of equal concentration (iso-concentration lines). The iso-concentration lines were generated using a combination of applied methods. Initially, the lines were created by direct graphical interpolation between concentrations. These lines were then modified to factor in

groundwater flow, taking into account the southeasterly flow direction and the low transverse dispersion of the upper glacial aquifer. For areas where the groundwater monitoring well density was low, historical water quality from existing wells and groundwater quality data from groundwater probes were utilized.

The vertical distribution of the total BTEX and total PAH concentrations are depicted by the iso-concentration maps for three groundwater horizons: the water table zone (up to the approximate upper 5 feet of the upper glacial aquifer); an intermediate depth zone from approximately 10 to 50 feet below land surface; and a deep zone below 50 feet, to the top of the underlying low permeability surface unit of the Magothy aquifer. The iso-concentration maps include the historical 2004 RI total BTEX and total PAH plume outline, as well as the previous Q2 2009 and new Q3 2009 plume outlines showing total BTEX and total PAH contours for each respective groundwater depth horizon. The isoconcentration maps use the latest analytical data when a well was sampled more than once during Q3 2009.

The distribution of total BTEX and total PAH in OU-1 was significantly defined with the installation and sampling of seven new groundwater monitoring well clusters as part of the Phase 3 Remedial Design Report Pre-Design Data Collection Program and Groundwater Monitoring Well Program implemented during Q3 2009. One objective of these programs was to obtain data for remediation of the area.

Total BTEX

The depth series iso-concentration maps show that groundwater impacts at OU-1 of total BTEX are primarily within the shallow water table portion of the aquifer, with concentrations up to 9,755 ug/L as indicated in the iso-concentration map (**Figure 12**). These impacts extend across the central and southern portions of OU-1. The total BTEX impacts are localized within the intermediate and deep zones of the aquifer in the central and south-central portion of OU-1 with maximum concentrations of 3,109 ug/L and 4,010 ug/L, respectively.

Total PAH

The vertical distribution of total PAH concentrations (**Figures 15 through 17**) within the upper glacial aquifer is generally similar, but to a lesser degree, to that of total BTEX described above. The primary difference is lower total PAH concentrations in the water table portion of the aquifer (maximum concentration of 3,968 ug/L). Similar concentrations of PAH and BTEX are observed within the intermediate and deep aquifer zones (maximum concentrations of 2,223 ug/L and 5,411 ug/L, respectively). In well OZMW-18I2, immediately downgradient of OU-1, the concentration was 10,984 ug/L.

2.3.4.2 Downgradient Groundwater Analytical Data Trend Analysis

Analysis of the trends of constituent concentrations for OU-1 groundwater monitoring wells was conducted on two levels: statistical and graphical. The focused period for these trends is the operational period of the OU-1 Union Boulevard oxygen injection system line.

A statistical analysis typically used to assess trends in groundwater monitoring well concentration data is the Mann-Kendall method (Gilbert, 1987). This is a non-parametric statistical method that evaluates concentration trends over time, by comparing the relative difference in magnitude of data over time and assigning probability for the trends. One limitation of this statistical method exists for interpretation of remediation monitoring data sets of limited events. The graphical trend analysis of groundwater monitoring well concentrations considers all of the concentrations for the same oxygen injection period as the statistical period.

The confidence interval at which all Mann-Kendall analyses was changed from 95% to 90% in the Q3 2009 report, in order to better identify trends in total BTEX and total PAH concentrations. The assessment of statistical trends remains conservative with an associated error probability of less than 0.10.

The OU-1 Union Boulevard oxygen injection system began operation in February 2008. Considering a groundwater flow rate for the upper glacial aquifer of 1 to 2 feet per day, the trends of the wells immediately downgradient of the system, within the area where the oxygen front has passed through, were conservatively evaluated.

Three well clusters (OZMW-16, OZMW-17, and OZMW-18) are located approximately 50 feet downgradient of the OU-1 Union Boulevard oxygen injection line. These well clusters were installed immediately downgradient of the oxygen injection line located downgradient of the perforated portion of the subsurface barrier wall in OU-1. These wells were first sampled in Q1 2008, prior to operation of the oxygen injection system. Further downgradient monitoring well clusters include BMW-01, located approximately 170 feet downgradient of the barrier wall and the adjacent well clusters, and BMW-23, located approximately 100 feet downgradient and somewhat sidegradient of the western end of the Union Boulevard oxygen injection system line.

Statistical Trend Analysis

For perspective of this statistical trends discussion, the highest historical median concentrations in groundwater upgradient of the OU-1 Union Boulevard oxygen injection system, during its operational period, were 8,830 ug/L of total BTEX in MW-05S and 5,546 ug/L total PAH in BMW-22D.

For the three immediate downgradient well clusters located adjacent to the Union Boulevard oxygen injection line, decreasing statistical trends for total BTEX were identified in wells OZMW-17I2 and OZMW-18S, while increasing statistical trends for total BTEX were identified in three wells (OZMW-16I, OZMW-16I2 and OZMW-18D). Statistical decreasing trends were associated with wells BMW-01S and BMW-23S, located further downgradient of the barrier wall and the adjacent well clusters.

Three decreasing trends for PAH were identified in the wells immediately downgradient of the oxygen injection line (OZMW-16S, OZMW-17S, and OZMW-18S). In addition, a statistical decreasing trend was associated with well BMW-01S. The lack of statistical trends in the majority of wells did not factor in initial significant high pre-injection concentrations which ranged as high as 4,685 ug/L for total BTEX and 8,178 ug/L for total PAH.

Review of data and Mann-Kendall results for downgradient wells indicating no trend in total BTEX or total PAH concentrations identified that approximately 80% the wells in the downgradient area for BTEX had a negative Mann-Kendall Statistic (S) associated with them and over 30% had a negative statistic for PAH. This negative statistic parameter value indicates a decreasing trend to exist, even though it was not significant at a 90% confidence interval. Many wells indicated with no trend had a limited number of sampling events (as few as seven) or high number of non-detect results (up to 13).

Graphical Trend Analysis

For total BTEX downgradient of the OU-1 oxygen injection system, decreasing graphical trends, with concentration ranges greater than an order-of-magnitude, were identified in OZMW-16S, OZMW-17S, OZMW-17I, OZMW-18S and OZMW-18I. Total BTEX concentrations as high as 4,685 ug/l in well OZMW-16S have been reduced to below detection limits in the last six quarterly sampling events. Increasing total BTEX trends are associated with OZMW-16I, OZMW-16I2, OZMW-17I2 and OZMW-18D. The impacts in the OZMW-16 well cluster may be associated with impacted groundwater from along and outside the containment wall for which treatment will be augmented with the planned extension of the oxygen injection system line to the east. Remediation of the impacts at OZMW-18D will be augmented with the operation of the ozone injection system installed immediately upgradient of this well.

Decreasing total BTEX trends in further downgradient wells include BMW-01S, BMW-01D, BMW-23S and BMW-23D. The concentrations in BMW-23I during the system operational period have been consistently low. The decreases have been as much as two orders-of-magnitude, as in BMW-01S (29 ug/L), where the total BTEX concentration during

the system operational period was as high as 4,210 ug/L. The remaining wells in these clusters continued to exhibit decreasing or low stable trends (**Figure 6** and **Appendix E**).

The graphical trends of total PAH in the downgradient wells in the vicinity of the OU-1 Union Boulevard oxygen injection system line are generally similar to those for total BTEX described above. Decreasing trends for concentration variations greater than an order-of-magnitude or concentrations greater than 100 ug/L were identified at OZMW-16S, OZMW-17S, OZMW-17I, OZMW-17I2, OZMW-18S and OZMW-18I. Total PAH concentrations as high as 5,197 ug/L in well OZMW-17I have been reduced to below detection limits in the current sampling events. Increasing trends were identified at wells OZMW-16I and OZMW-16I2. These impacts may be associated with impacted groundwater along the containment wall for which treatment will be augmented with the planned extension of the oxygen injection system line to the east. Decreasing total PAH trends in further downgradient wells include BMW-01S, BMW-01D, BMW-23I and BMW-23D. An increasing trend of total PAH was identified in well BMW-23S, where the Q3 2009 concentration (3,162 ug/L) represents the highest value recorded in the historical monitoring period.

The groundwater quality in this area will be remediated with the planned shallow source material excavation interim remedial measure and the installation of an oxygen system being installed west of North Clinton Avenue and north of Union Boulevard. The remaining wells in these clusters continued to exhibit decreasing or stable trends.

2.3.5 Future Plans

- Continue annual and quarterly groundwater monitoring at selected wells.
- Begin operation and monitoring of the ozone injection groundwater treatment system.
- Complete installation of the oxygen injection system west of North Clinton Avenue and north of Union Boulevard.

2.4 Institutional Controls/Engineering Controls (IC/EC)

There has been no activity this quarter.

3. Operable Unit 2 – Bay Shore Groundwater Plume

3.1 Oxygen Injection Systems

3.1.1 Program Scope and Purpose

Five oxygen injection groundwater treatment systems have been installed within OU-2 to mitigate dissolved-phase groundwater impacts migrating from OU-1. The first oxygen injection groundwater treatment system, comprised of two injection lines located along Montauk Highway, and at the intersection of Manatuck and Garner Lanes, was installed in November of 2005. Three supplemental oxygen injection systems were installed in 2008/2009 in compliance with the requirement of the OU-2 Remedial Decision Document. These systems affect multiple portions of the OU-2 groundwater plume at 33 North Clinton Avenue, 34 North Clinton Avenue, and 9 North Clinton Avenue (**Figure 1**). All three systems were brought on-line in Q1 2009. The most recent system was installed at the bulkhead along Lawrence Creek at the plume tail. This system was brought online in August 2009. The oxygen injection systems inject oxygen into the upper glacial aquifer to increase DO concentrations in groundwater and enhance biological breakdown of dissolved constituents in the groundwater plume in OU-2.

3.1.2 Current Site Activity

The following OU-2 oxygen injection system monitoring and system operation activities were performed in Q3 2009.

- **Monthly Groundwater Parameter Monitoring:** On a monthly basis, twelve monitoring wells downgradient of the Montauk Highway and Manatuck Lane oxygen injection lines (OU2MW-06, OU2MW-06S, OU2MW-07, OU2MW-07S, BMW-25S, BMW-25I, BMW-25D, OU2MW-01WT, OU2MW-01S, OU2MW-01I, OU2MW-01I2, and OU2MW-01D) are monitored for DO, ORP, pH, conductivity, and temperature. Monthly Groundwater Parameter Monitoring was performed on the following dates:
 - July 17, 23, 24, and 28, 2009
 - August 17, 20, 24, 25, and 26, 2009
 - September 21, 22, and 23, 2009
- **Targeted Monitoring Well and Soil Vapor Sampling for Supplemental Oxygen Injection Systems:** For the first year of operation, targeted monitoring wells located

downgradient of the supplemental oxygen injection systems are sampled on a monthly basis.

- Targeted monitoring well clusters located downgradient of the 34 North Clinton Avenue oxygen injection system (OU2MW-45, 46 and 47) were sampled on:
 - July 27 and 28, 2009
 - August 24 and 26, 2009
 - September 29 and 30, 2009
- Targeted monitoring well clusters located downgradient of the 9 North Clinton Avenue oxygen injection system (OU2MW-28, 29, 30, 31, and 32) were sampled on:
 - July 21-13, 2009
 - August 17-19, and 21, 2009
 - September 21-24, 2009
- Targeted monitoring well clusters located downgradient of the 33 North Clinton Avenue oxygen injection system (OU2MW-35, 36, 37, 39, and 42) were sampled on:
 - July 6-9, 2009
 - August 11 and 12, 2009
 - September 14-17, 2009
- **System Operation Monitoring:** The oxygen injection systems are monitored on a monthly basis to ensure effective continued operation. During each monitoring event, system parameters related to system operational and equipment readiness are recorded and adjusted, as necessary, to optimize system performance. System Operation Monitoring was performed on the following dates:
 - July 22, 26, 27, and 28, 2009
 - August 17, 20, 21, and 25, 2009
 - September 17, 23, and 30, 2009
 - October 2, 2009
- **Quarterly Groundwater Sampling:** Select monitoring wells upgradient and downgradient of the oxygen injection systems located in OU-2 are sampled quarterly for VOCs and SVOCs. Groundwater quality parameters (DO, pH, temperature, conductivity, and ORP) are also recorded for each well during the quarterly sampling. Details on the groundwater sampling program are provided in Subsection 3.2.

3.1.3 Oxygen Injection System OM&M Data

The OU-2 Oxygen Injection System OM&M data are provided on the following tables and appendix.

- **Table 3-1 Summary of Groundwater Parameter Data – Montauk Highway Oxygen Injection Line** – provides the historical conductivity, DO, ORP, pH and temperature data for monitoring wells downgradient of the Montauk Highway oxygen injection line. The data presented on this table indicate that for Q3 2009:
 - DO concentrations were elevated in downgradient monitoring wells (OU2MW-01WT, I, BMW-25S, D, OU2MW-03I2, OU2MW-04I). DO concentrations ranged between 0 and 24 mg/L within all downgradient monitoring well locations. DO concentrations began to rebound at monitoring well clusters BMW-25 and OU2MW-01 during Q3 2009. The system experienced downtime during Q2 2009 due to a mechanical fault of the refrigerator/dryer.
 - ORP remained elevated in select downgradient monitoring wells. ORP ranged between -134 and 351 mV.
 - pH remained consistent. pH varied between 5.07 and 7.85 SU in downgradient monitoring wells.
 - Conductivity in downgradient monitoring wells remained consistent and has ranged between 0.033 and 1.68 mS/cm.
 - Temperature ranged between 12.1 and 24.2 degrees C in downgradient monitoring wells, typical for Q3 conditions.

- **Table 3-2 Summary of Groundwater Parameter Data – Manatuck Lane Oxygen Injection Line** – provides the historical conductivity, DO, ORP, pH and temperature data for wells downgradient of the Manatuck Lane oxygen injection line. The data presented in this table indicate that for Q3 2009:
 - DO concentrations began to rebound in downgradient monitoring wells. DO concentrations had decreased during Q2 2009 due to system downtime because of a mechanical fault of the refrigerator/dryer. DO concentrations ranged between 0 and 30 mg/L.
 - ORP remained elevated in a number of downgradient monitoring wells. ORP ranged between -158 and 273 mV.
 - pH remained consistent. pH varied between 5.00 and 6.81 SU in downgradient monitoring wells.
 - Conductivity in downgradient monitoring wells remained consistent. Conductivity ranged between 0.069 and 0.738 mS/cm.
 - Temperature ranged between 14.1 and 24.3 degrees C, typical for Q3 conditions.

- **Table 3-3 Summary of Groundwater Parameter Data – Targeted Monitoring Wells for Supplemental Oxygen Injection Systems** – provides the system start-up conductivity, DO, ORP, pH and temperature data for wells downgradient of the 33 North Clinton Avenue, 9 North Clinton Avenue and 34 North Clinton Avenue oxygen injection lines. All three systems were brought online in Q1 2009. System start-up dates are presented below.
 - 34 North Clinton Avenue – January 20, 2009
 - 9 North Clinton Avenue – February 16, 2009
 - 33 North Clinton Avenue – March 31, 2009

34 North Clinton Avenue

- DO concentrations remained elevated in downgradient monitoring wells. DO concentrations ranged between 3.8 and 46.0 mg/L.
- ORP remained elevated in a number of downgradient monitoring wells. ORP ranged between -19 and 343 mV.
- pH remained consistent. pH varied between 4.34 and 6.52 SU in downgradient monitoring wells. Low pH values were recorded under 5 SU during July 2009 but rebounded to an optimal range of between 5 and 7 SU by September 2009.
- Conductivity in downgradient monitoring wells remained consistent. Conductivity ranged between 0.166 and 1.40 mS/cm.
- Temperature ranged between 14.4 and 19.9 degrees C, typical for Q3 conditions.

9 North Clinton Avenue

- DO concentrations remained elevated in downgradient monitoring wells. DO concentrations ranged between 0 and 46 mg/L.
- ORP remained elevated in a number of downgradient monitoring wells. ORP ranged between -156 and 371 mV.
- pH remained consistent. pH varied between 4.57 and 7.36 SU in downgradient monitoring wells. pH values remained within the optimal range of 5 to 7 SU with the exception of monitoring wells OU2MW-29I, D, and OU2MW-32S, I2.
- Conductivity in downgradient monitoring wells remained consistent. Conductivity ranged between 0.258 and 0.809 mS/cm.
- Temperature ranged between 15.2 and 23.7 degrees C, typical for Q3 conditions.

33 North Clinton Avenue

- DO concentrations were elevated in several downgradient monitoring wells. DO concentrations ranged between 0 and 42 mg/L.

- ORP was elevated in a number of downgradient monitoring wells. ORP ranged between -61 and 372 mV.
 - pH remained consistent . pH varied between 3.33 and 6.40 SU in downgradient monitoring wells. pH values remained within the optimal range of 5 to 7 SU with the exception of monitoring wells OU2MW-35D, OU2MW-36I2, OU2MW-37D, OU2MW-29I2, D, and OU2MW-42D. OU2MW-42D had a pH value as low as 3.33 SU.
 - Conductivity in downgradient monitoring varied across the wells. Conductivity ranged between 0.185 and 0.454 mS/cm.
 - Temperature ranged between 13.9 and 22.9 degrees C, typical for Q3 conditions.
- **Table 3-4 Summary of Heterotrophic Plate Count Results** – provides a summary of heterotrophic plate count (HPC) results for select wells located downgradient of the OU-2 oxygen injection systems. HPC results varied between 6 and 81,250 colony forming units per milliliter (cfu/ml).
 - **Appendix B OU-2 Oxygen Injection System OM&M Data** – provides data collected during system operation monitoring. **Table B-1** provides the Garner Lane oxygen injection system operational data, **Table B-2** provides the 9 North Clinton Avenue oxygen injection system operational data, **Table B-3** provides the 34 North Clinton Avenue oxygen injection system operational data, **Table B-4** provides the 33 North Clinton Avenue oxygen injection system operational data, and **Table B-5** provides the Plume Tail oxygen injection system operational data.

The results provided in **Table B-1** for the injection system located at the corner of Garner Lane and Montauk Highway (which feeds the Montauk Highway and Manatuck Lane injection lines) indicate:

- Approximately 921 lbs of oxygen have been injected during Q3 2009 and a total of 11,887 lbs of oxygen have been injected since the initial start-up period.
- The OU-2 oxygen injection system operated all 92 days during Q3 2009.

The results provided in **Table B-2** for the 9 North Clinton Avenue system (which feeds the 9 North Clinton Avenue Injection Line) indicate:

- Approximately 508 lbs of oxygen were injected during Q3 2009.
- During Q3 2009, the system operated for 91 out of a possible 92 days. The oxygen system was down for one day due in August due to an electrical problem within the booster pump. The internal reset tripped and the pump had to be restarted.

The results provided in **Table B-3** for the 34 North Clinton Avenue system (which feeds the 34 North Clinton Avenue Injection Line) indicate:

- Approximately 753 lbs of oxygen were injected during Q3 2009.
- During Q3 2009, the system operated for 91 out of a possible 92 days. The system was down for one day due to a compressor alarm. The compressor was reset and the system was brought back online.

The results provided in **Table B-4** for the 33 North Clinton Avenue system (which feeds the 33 North Clinton Avenue Injection Line) indicate:

- Approximately 611 lbs of oxygen were injected during Q3 2009.
- During Q2 2009, the system operated for 87 out of 92 possible days. The system went down for 5 days in July due to a mechanical fault of the compressor.

The results provided in **Table B-5** for the Plume Tail system indicate:

- Approximately 208 lbs of oxygen were injected during Q3 2009.
- The system was started on August 17, 2009. The system operated for the remainder of the quarter.

- **Figure 7 - 33 N. Clinton Avenue Oxygen Injection Line Groundwater Data** – provides a graphical depiction of DO levels, total BTEX and total PAH concentrations over time for wells located downgradient of the 33 North Clinton Avenue oxygen injection system. **Figure 7** provides data for the monitoring well clusters OU2MW-35, OU2MW-36, OU2MW-37, OU2MW-38, OU2MW-39, and OU2MW-42. Although the system has only been running since March 31, 2009, elevated DO concentrations have already been observed in downgradient monitoring well clusters OU2MW-35, OU2MW-36, OU2MW-37, OU2MW-38, OU2MW-39, and OU2MW-42. Decreases of MGP-related contaminants are beginning to be observed in monitoring well clusters OU2MW-35, OU2MW-36, OU2MW-38, and OU2MW-39. Monitoring well cluster OU2MW-42 was installed after the system start-up, and therefore, a true baseline value was not established at this well cluster. Further groundwater trend analysis is discussed in Subsection 3.2.4.2.
- **Figure 8 - 34 N. Clinton Avenue Oxygen Injection Line Groundwater Data** – provides a graphical depiction of DO levels, total BTEX and total PAH concentrations over time for wells located downgradient of the 34 North Clinton Avenue oxygen injection system. **Figure 8** provides data for the monitoring well clusters BMW-24, OU2MW-21, OU2MW-26, OU2MW-45, OU2MW-46, and OU2MW-47. Elevated DO concentrations have been observed in downgradient monitoring well clusters

- BBMW-24, OU2MW-21, OU2MW-26, OU2MW-45, OU2MW-46, and OU2MW-47. Significant decreases of MGP-related contaminants have been observed in monitoring wells located downgradient of the oxygen injection system at wells where effects of the oxygen injection system have been noted (OU2MW-21S, OU2MW-21I, OU2MW-21I2, OU2MW-26I, OU2MW-26I2, OU2MW-45S, OU2MW-45I2, OU2MW-46S, OU2MW-46I, OU2MW-46I2, OU2MW-47S, OU2MW-47I, and OU2MW-47I2). Further groundwater trend analysis is discussed in Subsection 3.2.4.2.
- **Figure 9 - 9 N. Clinton Avenue Oxygen Injection Line Groundwater Data** – provides a graphical depiction of DO levels, total BTEX and total PAH concentrations over time for wells located downgradient of the 9 North Clinton Avenue oxygen injection system. **Figure 9** provides data for the monitoring well clusters OU2MW-28, OU2MW-29, OU2MW-30, OU2MW-31, OU2MW-32, OU2MW-40, and OU2MW-41. Elevated DO concentrations have been observed in downgradient monitoring well clusters OU2MW-28, OU2MW-29, OU2MW-30, OU2MW-31, OU2MW-40, and OU2MW-41. OU2MW-32 is located directly upgradient of the oxygen injection line. DO has not been observed within OU2MW-32. Decreases in MGP-related contaminants are beginning to be observed in downgradient monitoring wells OU2MW-28I, OU2MW-30I, OU2MW-30I2, OU2MW-30I3, OU2MW-30D, OU2MW-30D2, and OU2MW-31I. Further groundwater trend analysis is discussed in Subsection 3.2.4.2.
 - **Figure 10 - Montauk Highway Oxygen Injection Line Groundwater Data** – provides a graphical depiction of DO levels, total BTEX and total PAH concentrations over time for wells located downgradient of the Montauk Highway oxygen injection line. **Figure 10** provides data for the monitoring well clusters BBMW-25, OU2MW-01, OU2MW-02, OU2MW-03, OU2MW-04 and OU2MW-08. DO concentrations began to rebound in Q3 2009. DO concentrations decreased during Q2 2009 due to the mechanical failure of the refrigerator/dryer and the associated system down time. Significant decreases of MGP-related contaminants have been observed in monitoring wells located downgradient of the Montauk Highway injection line at wells where effects of the oxygen injection system have been noted (BBMW-25S, BBMW-25I, OU2MW-01S, OU2MW-01I, OU2MW-01I2, and OU2MW-04I). Further groundwater trend analysis is discussed in Subsection 3.2.4.2.
 - **Figure 11 - Manatuck Lane Oxygen Injection Line Groundwater Data** – provides graphical depiction of DO levels, total BTEX and total PAH concentrations over time for monitoring wells located downgradient of the Manatuck Lane oxygen injection line. **Figure 11** provides data for monitoring well clusters OU2MW-06, OU2MW-07, OU2MW-10, OU2MW-12, OU2MW-13, OU2IW-01S, GMP-02, and GMP-04.) DO concentrations began to rebound in Q3 2009. DO concentrations decreased during Q2

2009 due to the mechanical failure of the refrigerator/dryer and the associated system down time. Significant decreases of MGP-related contaminants have been observed in monitoring wells located downgradient of the Manatuck Lane injection line at wells where effects of the oxygen injection system have been noted (OU2MW-06, OU2MW-07, OU2MW-12D, GMP-02 and GMP-04). Further groundwater trend analysis is discussed in Subsection 3.2.4.2.

3.1.4 Future Plans

- Continue monthly system inspections, groundwater monitoring and quarterly sampling for COCs.
- Continue sampling of permanent soil vapor points.
- Continue weekly system inspections.
- Conduct labor intensive maintenance on the system.

3.2 Groundwater Monitoring

3.2.1 Program Scope and Purpose

Groundwater monitoring is conducted within OU-2 to aid in monitoring the groundwater plume, the effectiveness of remedial activities, the effectiveness of the oxygen injection systems, and to assist in remedy planning. The well locations and geographic boundaries of OU-2 are illustrated on **Figure 1**. The majority of OU-2 monitoring wells are sampled quarterly with the exception of groundwater monitoring wells BMW-01S, I, and D and BMW-23S, I, D and D2, which have been sampled on a monthly basis since Q2 2007, and wells installed to monitor new oxygen injection systems which are sampled monthly. Wells BMW-01S, I, and D and BMW-23S, I, D, and D2 are located approximately 100 to 200 feet downgradient of OU-1 and will continue to be monitored on a monthly basis to measure the influence of the OU-1 excavations and subsurface barrier wall installation on the OU-2 groundwater plume, and reported in the OU-1 section. The wells sampled each quarter are determined based on previous analytical data and discussions with NYSDEC.

3.2.2 Current Site Activity

The following groundwater monitoring activities took place in OU-2 during Q3 2009.

- Depth to groundwater measurements were obtained on July 13 and 14, 2009 from 93 monitoring wells located within, sidegradient, and downgradient of OU-2.
- Surface water elevations were obtained on July 13, 2009 from surface water gauges located within Lawrence Lake (BBSW-07) and Lawrence Creek (OU2SW-01 and BBSW-06).

- Groundwater samples were collected from 197 monitoring wells located within, sidegradient, and downgradient of OU-2. A total of 309 groundwater samples from all of the 197 wells were analyzed for expanded VOCs (EPA Method 8260) and PAH (EPA Method 8270).

3.2.3 Groundwater Elevation Data

The depth to groundwater, groundwater elevation and surface water elevation data for OU-2 are provided on the following tables, figures and appendix.

- **Table 3-5 Water Level Measurements and Calculated Groundwater Elevations** – provides depth to water measurements and calculated groundwater and surface water elevation data for OU-2 wells and surface water bodies measured in Q3 2009.
- **Table 3-6 Historic Calculated Groundwater Elevations** – provides historic groundwater elevations for existing OU-2 groundwater monitoring wells.
- **Figure 4 – Shallow Groundwater Contour Map** – provides the Q3 2009 shallow groundwater elevation contours for OU-1, OU-2, OU-3 and OU-4.
- **Figure 5 – Deep Groundwater Contour Map** – provides the Q3 2009 deep groundwater elevation contours for OU-1, OU-2, OU-3 and OU-4.

The groundwater flow direction in OU-2 is toward the south/southeast. The shallow groundwater hydraulic gradient ranges from approximately 0.003 feet/foot in the upgradient portion of the plume to approximately 0.0045 feet/foot in the downgradient portion of the plume. The deep groundwater hydraulic gradient ranges from approximately 0.0029 feet/foot to 0.0051 feet/foot. The groundwater elevation in OU-2 monitoring wells during the Q3 2009 event were an approximate average of 0.16 feet higher than the Q2 2009 groundwater elevations and an approximate average of 0.52 feet higher than the Q3 2008 groundwater elevations.

3.2.4 Groundwater Analytical Data

The OU-2 groundwater analytical data are presented on the following tables, figures and appendices.

- **Table 3-7 Summary of Historic Total BTEX Groundwater Analytical Results – Upgradient of Montauk Highway Oxygen Injection Line** – presents a summary of historical total BTEX results for existing OU-2 groundwater monitoring wells upgradient of the Montauk Highway Oxygen Injection Line.
- **Table 3-8 Summary of Historic Total PAH Groundwater Analytical Results – Upgradient of Montauk Highway Oxygen Injection Line** – presents a summary of historical total PAH results for existing OU-2 groundwater monitoring wells upgradient of the Montauk Highway Oxygen Injection Line.

- **Table 3-9 Summary of Historic Total BTEX Groundwater Analytical Results – Downgradient of Montauk Highway Oxygen Injection Line** – presents a summary of historical total BTEX results for existing OU-2 groundwater monitoring wells downgradient of the Montauk Highway Oxygen Injection Line.
- **Table 3-10 Summary of Historic Total PAH Groundwater Analytical Results – Downgradient of Montauk Highway Oxygen Injection Line** – presents a summary of historical total PAH results for existing OU-2 groundwater monitoring wells downgradient of the Montauk Highway Oxygen Injection Line.
- **Table 3-11 Summary of Historic Total BTEX Groundwater Analytical Results – Downgradient of Manatuck Lane Oxygen Injection Line** – presents a summary of historical total BTEX results for existing OU-2 groundwater monitoring wells downgradient of the Manatuck Lane Oxygen Injection Line.
- **Table 3-12 Summary of Historic Total PAH Groundwater Analytical Results – Downgradient of Manatuck Lane Oxygen Injection Line** – presents a summary of historical total PAH results for existing OU-2 groundwater monitoring wells downgradient of the Manatuck Lane Oxygen Injection Line.
- **Table 3-13 Summary of Monthly Total BTEX Groundwater Analytical Results – Targeted Monitoring Wells for Supplemental Oxygen Injection Systems** – presents monthly downgradient analytical results for total BTEX.
- **Table 3-14 Summary of Monthly Total PAH Groundwater Analytical Results – Targeted Monitoring Wells for Supplemental Oxygen Injection Systems** – presents monthly downgradient analytical results for total PAH.
- **Table 3-15 Summary of Expanded Groundwater Analytical Results** – provides the Q3 2009 groundwater analytical results for monitoring wells located in OU-2 for each compound detected during the Q3 2009 sampling event.
- **Table 3-16 Summary of Total BTEX Statistical Trends** – provides statistical trends of concentrations beginning near the date when the nearest upgradient oxygen injection system was installed, through Q3 2009. The table is set up to include wells for all of the existing oxygen injection systems; however, many of the wells installed to monitor the new systems do not have sufficient data to evaluate concentration trends. Future quarterly OM&M reports will evaluate the trends for these wells.
- **Table 3-17 Summary of Total PAH Statistical Trends** – provides statistical trends of concentrations beginning near the date when the nearest upgradient oxygen injection system was installed, through Q3 2009. The table is set up to include wells for all of the existing oxygen injection systems; however, many of the wells installed to monitor the new systems do not have sufficient data to evaluate concentration trends. Future quarterly OM&M reports will evaluate the trends for these wells.
- **Figure 12 Water Table Groundwater BTEX Iso-Concentration Map – Q3 2009 Data** – depicts the horizontal extent of total BTEX in the water table portion of the upper glacial aquifer for OU-2.

- **Figure 13 Intermediate Groundwater BTEX Iso-Concentration Map (10-50 Feet bgs) – Q3 2009 Data** – depicts the horizontal extent of total BTEX in the 10 to 50 depth zone of the upper glacial aquifer for OU-2.
- **Figure 14 Deep Groundwater BTEX Iso-Concentration Map (Below 50 Feet bgs) – Q3 2009 Data** – depicts the horizontal extent of total BTEX in the deeper than 50-foot depth zone of the upper glacial aquifer for OU-2.
- **Figure 15 Water Table Groundwater PAH Iso-Concentration Map – Q3 2009 Data** – depicts the horizontal extent of total PAH in the water table portion of the upper glacial aquifer for OU-2.
- **Figure 16 Intermediate Groundwater PAH Iso-Concentration Map (10-50 Feet bgs) – Q3 2009 Data** – depicts the horizontal extent of total PAH in the 10 to 50 depth zone of the upper glacial aquifer for OU-2.
- **Figure 17 Deep Groundwater PAH Iso-Concentration Map (Below 50 Feet bgs) – Q3 2009 Data** – depicts the horizontal extent of total PAH in the deeper than 50 feet within the upper glacial aquifer.
- **Appendix E** – presents time series plots of historical concentrations in groundwater monitoring wells.
- **Appendix F** – identifies wells and depicts the distribution of pH values outside the 5.0 to 7.0 standard units (SU) range in groundwater. For OU-2, the pH in 17 wells was below 5.0 SU and in 16 wells was above 7.0 SU. The data presented in **Appendix F** are field screening values obtained during groundwater sampling activities.

3.2.4.1 Distribution of Total BTEX and Total PAH in the Upper Glacial Aquifer

Prior to the Q1 2009 OM&M report, the horizontal extent of the OU-2 plume within the upper glacial aquifer, based on greater than 100 ug/L of total BTEX and total PAH, was based on the results of the 2004 Remedial Investigation (RI) and depicted on the quarterly report figures. Starting with the Q1 2009 report, the horizontal extent of total BTEX and total PAH concentrations for quarterly monitoring events will be depicted using iso-concentration maps. The iso-concentration maps prepared for this Q3 2009 OM&M report also include the 2004 depiction of the plume extent for historical reference, as well as the Q2 2009 plume extent for remediation evaluation purposes.

One significant change to the overall outline of the groundwater BTEX/PAH plume from the 2004 depiction is the significant reduction in the downgradient extent of the plume from Lawrence Creek in 2004 to near Manatuck Lane. The internal configuration of the plume within the upper glacial aquifer has been refined based on the addition of a greater number of monitoring points and associated data, as well as in response to the ongoing remediation at the site. This remediation includes the installation of the oxygen injection systems, the OU-1 excavation, and the installation of the subsurface barrier wall (**Figure 1**). The outline of the plumes for Q2 2009 and Q3 2009 generally indicate a slight reduction in extent. The changes from the 2004 outline to the current plume outline are summarized as follows:

- The downgradient edge of the plume does not extend to Lawrence Creek, and ends at the Manatuck Lane oxygen injection line.
- The plume is slightly wider and better defined in the northern section of OU-1. This was established by the installation of groundwater monitoring wells installed to replace monitoring wells abandoned during the excavation activities associated with Phase II remedial actions and to provide background data and monitor the effectiveness of the planned OU-1 Phase III remediation. The planned OU-1 Phase III remediation involves an In-Situ Chemical Oxidation (ISCO) injection to treat residual impacts within OU-1.
- The plume is slightly narrower near the downgradient area of OU-1, continuing to the upgradient area of OU-2 and eastern edge of the downgradient portion of the plume.
- The western portion of the central portion of the plume is slightly narrower and an area of reduced concentrations (<100 ug/L) is now present in the middle portion of the central section of the plume.
- The plume is generally shallower adjacent to the downgradient side of the subsurface barrier wall.
- The eastern edge of the central portion of the plume extends slightly further to the east. This was primarily established by the installation of additional groundwater monitoring wells installed as part of the oxygen injection system monitoring network for the 33 North Clinton Avenue property. It is noted that the oxygen injection system line for 33 North Clinton Avenue extends to this eastern edge of the plume.

The distribution of total BTEX and total PAH for Q3 2009 within the upper glacial aquifer is depicted on **Figures 12 through 14** and **Figures 15 through 17**, respectively. The horizontal distribution of the constituent groups in each map is depicted as lines of equal concentration (iso-concentration lines). The iso-concentration lines were generated using a combination of applied methods. Initially, the lines were created by direct graphical interpolation between concentrations. These lines were then modified to factor in groundwater flow, taking into account the southeasterly flow direction and the low transverse dispersion of the upper glacial aquifer. For areas where the groundwater monitoring well density was low, historical water quality from existing wells and groundwater quality data from groundwater probes were utilized.

The vertical distribution of the total BTEX and total PAH concentrations are depicted by the iso-concentration maps for three groundwater horizons: the water table zone (up to the approximate upper 5 feet of the upper glacial aquifer); an intermediate depth zone from approximately 10 to 50 feet below land surface; and a deep zone below 50 feet, to the top of the underlying low permeability surface unit of the Magothy aquifer. The iso-concentration maps include the historical 2004 RI total BTEX and total PAH plume outline, as well as the

previous Q2 2009 and new Q3 2009 plume outlines showing total BTEX and total PAH contours for each respective groundwater depth horizon.

It is noted that the iso-concentration maps include the most recent concentrations for the quarter for the wells that were sampled more than once. This primarily applies to the monthly monitoring conducted for the oxygen systems-related groundwater monitoring wells.

Total BTEX

The depth series iso-concentration maps (**Figures 12 through 14**) show that near the source area of OU-1, the total BTEX impacts are primarily shallow. The contamination (above 100 ug/L) within this water table zone extends to approximately 400 feet downgradient of the OU-1 Union Boulevard oxygen injection system and the OU-1 boundary. The width of the plume in the recently defined northern section of OU-1 is up to approximately 450 feet wide. The width of the plume downgradient of the OU-1 boundary is fairly narrow, less than an average of 250 feet.

With depth and downgradient of OU-1, the plume in the intermediate zone is divided into two sections (**Figure 13**). The separation of the plume is likely a result of the Union Boulevard oxygen injection line and the subsurface barrier wall. The eastern section begins onsite in OU-1 and extends to the 9 North Clinton Avenue oxygen injection line. Elevated BTEX concentrations in this portion of the plume, up to 2,623 ug/L, are present in an area along the eastern edge of the plume between Marc Court and Jan Court. Elevated concentrations downgradient of this area were also observed in Q2 2009. The western plume begins in the vicinity of Cooper Lane and extends downgradient to the Manatuck Lane oxygen injection system. The concentrations in this portion of the plume were generally lower with a maximum concentration of 654 ug/L. The internal configuration of this plume is segmented, reflecting the remediation effects of the oxygen injection systems located throughout the plume. It is noted that an elevated concentration (175 ug/L) was recorded in a small localized area at OU2MW-15I, located to the south of the downgradient portion of the plume. This impacted area is potentially not associated with the Site plume; however, based on groundwater flow, this area should be remediated by either, or both, the Manatuck Lane oxygen injection system or the oxygen injection system located along Lawrence Creek.

In the lower portion of the upper glacial aquifer zone within OU-2, below a depth of approximately 50 feet, total BTEX concentrations between 100 ug/L and 491 ug/L are present in a narrow band (approximately 200 feet wide). The band extends from OU-1 and terminates in an area between the 9 North Clinton Avenue and Montauk Highway oxygen injection lines (**Figure 14**).

Total PAH

The vertical distribution of total PAH concentrations within the upper glacial aquifer (**Figures 15 through 17**) is generally similar to that of total BTEX described above. The primary differences are:

- Maximum concentrations were generally higher than those of total BTEX plume.
- The areas of elevated PAH concentrations are larger and greater in length than corresponding areas of elevated BTEX concentrations.
- Downgradient of OU-1, the elevated concentrations were primarily present in the intermediate and deep zones of the upper glacial aquifer and extended to the Manatuck Lane oxygen injection line.
- The intermediate plume has been divided into three sections likely resulting from remediate effects from the operation of the 33 and 34 North Clinton Avenue oxygen injection systems.

Focused and Expedited Plume Remediation

The locations of the existing oxygen injection systems and planned remediation systems depicted on **Figure 1** allows for the effective and comprehensive remediation of the plume. The figure illustrates that the entire width of the plume, and up to approximately 20 feet beyond, is being or will be remediated by oxygen injection lines. The figure also depicts that the remediation of the plume along its longitudinal, downgradient axis is occurring at several transects at various locations. The existing groundwater data shows that the existing oxygen injection systems have been successful in reducing concentrations of total BTEX and total PAH. The addition of the oxygen injection systems started during Q1 2009, Q2 2009 and Q3 2009 enable the injection to occur at shorter distances along the plume axis, thereby, accelerating the remediation of the plume. Additionally, the operation of the ozone injection system starting in Q4 2009 will augment the remediation of the OU-1 source area.

3.2.4.2 Groundwater Analytical Data Trend Analysis

The groundwater analytical data were reviewed to identify any trends in data, with the focus on data collected during the operational injection period of the various oxygen injection systems at the Site. The analysis of the data focuses on the downgradient areas of four oxygen injection systems and five lines installed within OU-2 and operating by Q2 2009. These systems include the oxygen injection lines installed at Montauk Highway and Manatuck Lane, 34 North Clinton Avenue, 9 North Clinton Avenue, 33 North Clinton Avenue and the newly installed line along Lawrence Creek. The trend analysis presented below includes the previously existing systems, in addition to the system installed along Lawrence Creek, which have sufficient post-startup groundwater quality data.

Analysis of the trends of constituent concentrations for OU-2 groundwater monitoring wells was conducted on two levels: statistical and graphical. The period of these trends focus on the operational periods of each oxygen injection system or line with at least two quarterly sampling events.

A statistical analysis typically used to assess trends in groundwater monitoring well concentration data is the Mann-Kendall method (Gilbert, 1987). This method is a non-parametric statistical that evaluates concentration trends over time, by comparing the relative difference in magnitude of data over time and assigning probability for the trends. One limitation of this statistical method exists for interpretation of remediation monitoring data sets of limited events. The graphical trend analysis of groundwater monitoring well concentrations considers all of the concentrations for the same oxygen injection period as the statistical period.

The confidence interval at which all Mann-Kendall analyses was changed from 95% to 90% in the Q3 2009 report, in order to better identify trends in total BTEX and total PAH concentrations. The assessment of statistical trends remains conservative with an associated error probability of less than 0.10.

Downgradient of the 33 North Clinton Avenue Oxygen Injection Line

The 33 North Clinton Avenue oxygen injection system began operation on the last day of Q1 2009 (March 31, 2009). The total BTEX and total PAH concentrations in the groundwater immediately upgradient of the 33 North Clinton Avenue oxygen injection system were primarily present in the intermediate upper glacial aquifer zone. The highest median total BTEX and total PAH concentrations since the system was installed were found in wells located immediately upgradient of the 33 North Clinton Avenue system (5,474 ug/L and 4,469 ug/L in OU2MW-18I, respectively). A discussion of the statistical and graphical concentration trends is presented below.

Statistical Trend Analysis

In the six well clusters located adjacent to, or immediately downgradient of the oxygen injection line (OU2MW-35, OU2MW-36, OU2MW-37, OU2MW-38, OU2MW-39 and OU2MW-42), four significant decreasing statistical trends of total BTEX were identified in wells OU2MW-35S, OU2MW-35I, OU2MW-36I and OU2MW-39I2. For total PAH concentration trends in these same adjacent downgradient wells, statistical decreasing trends were identified in OU2MW-35I, OU2MW-36I, OU2MW-38I and OU2WM-39I. In addition, a decreasing statistical trend for BTEX and PAH was identified in well OU2MW-24I, located further downgradient. An increasing statistical trend for total PAH was identified in well OU2MW-39I2.

The indication of no trend identified for most of the adjacent downgradient wells of the oxygen injection system occurs for several reasons. The Mann-Kendall method may not utilize the initial high concentration found prior to oxygen injection remediation effects because it considers it anomalous to the subsequent significant lower consistent post-remediation concentrations.

Review of data and Mann-Kendall results for downgradient wells indicating no trend identifies that approximately 67% of the total BTEX results and approximately 75% of the total PAH results had a negative Mann-Kendall Statistic (S). This negative statistic indicates a decreasing trend to exist, even though it was not significant at a 90% confidence interval. Many wells indicated with no trend had a limited number of sampling events (as few as 4) or high number of non-detect results (up to seven).

Graphical Trend Analysis

For the time series plots (**Figure 7**) of the six well clusters located immediately adjacent and downgradient of the oxygen injection system (OU2MW-35, OU2MW-36, OU2MW-37, OU2MW-38, OU2MW-39 and OU2MW-42), the Q3 2009 total BTEX concentrations were below 100 ug/L in all of the wells except OU2MW-37I, OU2MW-38I and OU2MW-42D. The Q3 2009 concentration in well OU2MW-37I (2,623 ug/L) is an order-of-magnitude higher than any previous concentration recorded in this well. The high benzene/BTEX concentration ratio (84%) and relatively low total PAH concentration (23 ug/L) along with this well's location along the edge of the plume indicate an upgradient source not related to the MGP site plume. The benzene/BTEX ratio in nearby upgradient well OU2MW-18I was 13%. In well OU2MW-38I (240 ug/L in Q3 2009), total BTEX concentrations have increased slightly over the past two quarters; however, concentrations have significantly decreased several orders-of-magnitude from a high of 4,001 ug/L prior to the system start-up. Total BTEX concentrations in well OU2MW-42D have increased over the last three monthly sampling events from 2 ug/L in July, 2009 to 63 ug/L in August, 2009, to a high of 100 ug/L in September, 2009. The total BTEX concentration trends in the remaining wells were generally stable with associated relative low levels.

Total PAH concentrations above 100 ug/L during Q3 2009 in the wells within the clusters listed above are limited to OU2MW-39I2 (130 ug/L) and OU2MW-42D (185 ug/L). Total PAH concentrations in well OU2MW-39I2 have been increasing monthly since March 2009; however, the concentration dipped slightly between the August and September 2009 sampling events. The total PAH concentrations in well OU2MW-42D had been below 5 ug/L through the July 2009 sampling event; however, the concentration in the August and September 2009 sampling events increased to 67 ug/L and 185 ug/L, respectively. It is also noted that an increasing trend of total BTEX in OU2MW-42S has been identified over the past two monthly

sampling events (August and September 2009); however, the concentrations remain below 100 ug/L. The increasing trends in these wells will continue to be monitored. Decreases in total PAH concentrations in system downgradient wells have been as much as three orders-of-magnitude as in OU2MW-35I (non-detect in Q3 2009), where total PAH concentrations were as high as 2,270 ug/L in Q4 2008. The total PAH concentration trends in the remaining wells were generally stable with associated relative low levels.

Excluding the exceptions noted above, the data indicate that there have been significant decreases of MGP-related contaminants in groundwater monitoring wells located downgradient of the 33 North Clinton Avenue oxygen injection system line since the system was started. These reductions have occurred specifically in intermediate wells OU2MW-35I, OU2MW-36I and OU2MW-38I for total BTEX and total PAH, as well as in well OU2MW-42S (total PAH only).

Downgradient of 34 North Clinton Avenue Oxygen Injection Line

Total BTEX and total PAH concentrations in the groundwater immediately upgradient of the 34 North Clinton Avenue oxygen injection system were primarily present in the intermediate and deep upper glacial aquifer zones. The highest median concentrations, since the system was installed, in wells located immediately upgradient of the 34 North Clinton Avenue system (OU2MW-19 and OU2MW-20) were approximately 869 ug/L total BTEX in well OU2MW-19I and 6,525 ug/L total PAH in monitoring well OU2MW-19I2. A discussion of the statistical and graphical concentration trends is presented below.

Statistical Trend Analysis

In the six well clusters located adjacent to, or immediately downgradient of, the oxygen injection line (OU2MW-21, OU2MW-26, OU2MW-45, OU2MW-46, OU2MW-47 and BMW-24), significantly decreasing statistical trends of total BTEX were identified in OU2MW-45S, OU2MW-46S, OU2MW-46I, OU2MW-47S and OU2MW-47I. Increasing trends of total BTEX were associated with wells BMW-24I, BMW-24D and OU2MW-26D. For total PAH concentration trends in these same adjacent downgradient wells, statistical decreasing trends were identified in OU2MW-21S, OU2MW-21I, OU2MW-21I2, OU2MW-45I2, OU2MW-46I, OU2MW-47I, OU2MW-47I2 and OU2MW-47D. An increasing statistical trend for total PAH was identified in well OU2MW-26D.

The indication of no trend identified for most the adjacent downgradient wells of the oxygen injection system occurs for several reasons. The Mann-Kendall method does not utilize the initial high concentration found prior to oxygen injection remediation effects because it considers it anomalous to the subsequent significant lower consistent post-remediation concentrations.

Review of data and Mann-Kendall results for downgradient wells indicating no trend, identifies that 70% of the total BTEX and 75% of the total PAH trends values have a negative Mann-Kendall Statistic (S) associated with them. This negative statistic indicates a decreasing trend to exist, even though it was not significant at a 90% confidence interval. Many wells indicated with no trend had a limited number of sampling events (as few as five) or high number of non-detect results (up to nine).

Graphical Trend Analysis

For the time series plots (**Figure 8**) of the six well clusters located immediately adjacent or downgradient of the oxygen injection system (OU2MW-21, OU2MW-26, OU2MW-45, OU2MW-46, OU2MW-47 and BBMW-24), total BTEX concentrations in all of the wells were below 100 ug/L, excluding OU2MW-21I2, OU2MW-26D, OU2MW-47I2 and OU2MW-47D. Total BTEX concentrations in these clusters has significantly decreased up to three orders-of-magnitude during the system operational period, as evidenced in well OU2MW-47I (non-detect in Q3 2009) where the concentration was as high as 2,714 ug/L in Q1 2009. In well OU2MW-21I2, the total BTEX concentration has decreased over the past three quarters from a high of 479 ug/L in Q1 2009 to 176 ug/L in Q3 2009. Total BTEX concentrations in well OU2MW-26D have increased from the first sampling event in Q1 2009; however, the concentrations have been relatively stable in the first three quarters of 2009. In well OU2MW-47I2, total BTEX concentrations increased slightly in Q3 2009 but, are within the range of historical concentrations. Total BTEX concentrations in OU2MW-47D remain above 100 ug/L but are decreasing from a high of 695 ug/L in the April 2009 monthly sampling event. The total BTEX concentration trends in the remaining wells were generally stable with associated relative low levels.

Elevated concentrations of total PAH during the system operational period for the nearby downgradient wells significantly decreased in most wells from a high of approximately 6,200 ug/L in OU2MW-47I2 to near detection levels. Currently, only three wells from the well clusters noted above (OU2MW-21I2, OU2MW-26D and OU2MW-47D) have total PAH concentrations above 100 ug/L. The only increasing trend identified in these wells was in well OU2MW-26D, where the Q3 2009 total PAH concentration (4,328 ug/L) is the highest recorded in the historical monitoring period. Significant decreasing trends were identified in the remaining two wells. The total PAH concentration trends in the remaining wells were generally stable with associated relative low levels.

Excluding the exceptions noted, the above data indicate significant decreases of MGP-related concentrations in groundwater monitoring wells located downgradient of the 34 North Clinton Avenue oxygen injection system line. Significant reductions from pre-operational levels have

occurred in 14 wells for total BTEX and 10 wells for total PAH of the 22 wells in the clusters listed above.

Downgradient of 9 North Clinton Avenue Oxygen Injection Line

The 9 North Clinton Avenue oxygen injection system began operation in Q1 2009 (February 16, 2009). Total BTEX and total PAH concentrations in the groundwater immediately upgradient of the 9 North Clinton Avenue oxygen injection system were primarily present in the intermediate upper glacial aquifer zone. The highest median concentrations, since the system was installed, in wells located immediately upgradient of the 9 North Clinton Avenue system (OU2MW-21 and OU2MW-26) were approximately 911 ug/L total BTEX in well OU2MW-21I and 3,518 ug/L total PAH in monitoring well OU2MW-21I2. A discussion of the statistical and graphical concentration trends is presented below.

Statistical Trend Analysis

In the nine well clusters located immediately downgradient of the oxygen injection line (OU2MW-08, OU2MW-28, OU2MW-29, OU2MW-30, OU2MW-31, OU2MW-32, OU2MW-33, OU2MW-40 and OU2MW-41), significantly decreasing statistical trends of total BTEX were identified in OU2MW-08I, OU2MW-28I, OU2MW-29I, OU2MW-29I2, OU2MW-29D, OU2MW-30S, OU2MW-30I3, OU2MW-30D, OU2MW-31I, OU2MW-32I2, OU2MW-32D and OU2MW-41I. An increasing statistical trend of total BTEX was identified at OUMW-28I2. However, there is a fairly limited number of sampling events for this well with three concentrations below detection levels and the Q3 2009 concentration remains below 100 ug/L. The indication of no trend being identified for most of the adjacent downgradient wells of the oxygen injection system may occur because the Mann-Kendall method may not utilize the initial high concentration found prior to oxygen injection remediation effects because it considers it anomalous to the subsequent significant lower consistent post-remediation concentrations.

For total PAH concentration trends in these same adjacent downgradient wells, statistical decreasing trends were identified in OU2MW-29I2, OU2MW-30S, OU2MW-30 I, OU2MW-30I2, OU2MW-30D2, OU2MW-31I and OU2MW-32I2. No trends were identified for the remaining wells in these clusters.

Review of data and Mann-Kendall results for downgradient wells indicating no trend, identifies that 80% of the total BTEX and 65% of the total PAH values had a negative Mann-Kendall Statistic (S) associated with them. This negative statistic indicates a decreasing trend to exist, even though it was not significant at a 90% confidence interval.

Graphical Trend Analysis

For the time series plots (**Figure 9** and **Appendix E**) of the seven well clusters located downgradient of the oxygen injection system (OU2MW-28, OU2MW-29, OU2MW-30, OU2MW-31, OU2MW-32, OU2MW-40 and OU2MW-41), total BTEX concentrations were below 100 ug/L in all of the wells excluding, OU2MW-29D, OU2MW-30I, OU2MW-30I2, OU2MW-30D, OU2MW-32I and OU2MW-41I. Decreasing trends were identified in all of the wells with total BTEX concentrations above 100 ug/L. The concentrations in these wells have decreased up to two orders-of-magnitude during the system operational period as evidenced in well OU2MW-32I2 (7 ug/L), where the concentration was as high as 1,493 ug/L in Q3 2008. A slight increasing trend of total BTEX was identified in well OU2MW-28I2; however, the concentration remains below 100 ug/L. The total BTEX concentration trends in the remaining wells were generally decreasing or stable with associated relative low levels.

Total PAH concentrations in the wells from the clusters listed above were below 100 ug/L in all of the wells excluding, OU2MW-28I2, OU2MW-29I2, OU2MW-29D, OU2MW-30I2, OU2MW-32I and OU2MW-41I. Decreasing trends among these wells were identified in OU2MW-29I2, OU2MW-30I2 and OU2MW-41I. The total PAH concentrations in the downgradient well clusters have decreased up to two orders-of-magnitude and were as high as 6,605 ug/L in well OU2MW-30I2, where the latest concentration has been reduced to 195 ug/L. An increasing total PAH concentration trend was observed in well OU2MW-28I2, where the concentration has risen from near detection levels to 716 ug/L and 1,712 ug/L in the August and September 2009 monthly sampling events. The total PAH concentration trends in well OU2MW-29D have varied greatly during the system operational period. The total PAH concentration trends in the remaining wells were generally decreasing or stable with associated relative low levels.

The above data indicate that there have been significant decreases of MGP-related contaminants in groundwater monitoring wells located downgradient of the 9 North Clinton Avenue oxygen injection system line.

Downgradient of Montauk Highway Oxygen Injection Line

The highest total BTEX and total PAH concentrations immediately upgradient of the Montauk Highway oxygen injection line were present in the intermediate upper glacial aquifer zone. The highest median concentrations during the oxygen injection system operational period in upgradient wells located closest to the Montauk Highway injection line were 1,453 ug/L total BTEX in well OU2MW-41I and 6,698 ug/L total PAH in monitoring well OU2MW-08S.

Statistical Trend Analysis

In the five well clusters located immediately downgradient of the oxygen injection line, BMW-25, OU2MW-01, OU2MW-02, OU2MW-03, and OU2MW-04, six statistical trends of total BTEX were identified as decreasing (OU2MW-01S, OU2MW-01I, OU2MW-01I2, OU2MW-02S, OU2MW-02I and OU2MW-03S). Increasing statistical trends for total BTEX were identified in wells OU2MW-03I, OU2MW-03I2 and OU2MW-04D. For total PAH concentration trends, statistical decreasing trends were identified in eleven wells (see **Tables 3-16 and 3-17**). Review of data and Mann-Kendall results for downgradient wells in these clusters indicating no trend identifies that approximately 67% of the total BTEX and 50% of the total PAH values had a negative Mann-Kendall Statistic (S) associated with them indicating a decreasing trend, even though it was not significant at a 90% confidence level.

Graphical Trend Analysis

Significant decreases of MGP-related contaminants have been observed in monitoring wells located downgradient of the Montauk Highway injection line where effects of the oxygen injection system have been noted. Plots of total BTEX, total PAH concentrations and DO over time are presented on **Figure 10** for wells located downgradient of the Montauk Highway injection line. The pre- and post-oxygen injection total BTEX and total PAH concentrations are presented in **Tables 3-9 and 3-10**, respectively.

For the time series plots (**Figure 10** and **Appendix E**) of the five well clusters located downgradient of the oxygen injection system (BMW-25, OU2MW-01, OU2MW-02, OU2MW-03, and OU2MW-04), total BTEX concentrations were below 100 ug/L in all of the wells except, OU2MW-01S, OU2MW-01I, OU2MW-02I and OU2MW-04S. Decreasing trends were identified in all of the wells with total BTEX concentrations above 100 ug/L, except OU2MW-02I. The total BTEX trend in OU2MW-02I was relatively stable and the Q3 2009 concentration was within the operational period concentration range

Elevated system operational period concentrations of total BTEX for the wells within the downgradient clusters significantly decreased up to two orders-of-magnitude, from a high of approximately 1,995 ug/L in BMW-25I to 46 ug/L in Q3 2009. The total BTEX concentration trends in the remaining wells were generally decreasing or stable with associated relative low levels.

Currently, six wells from the well clusters noted above (BMW-25I, OU2MW-01S, OU2MW-01I, OU2MW-02I, OU2MW-03S and OU2MW-04S) have total PAH concentrations above 100 ug/L. Decreasing trends, with decreases of up to an order-of-magnitude, were identified in all of these wells except OU2MW-01S. The total PAH concentrations recorded in OU2MW-01S in Q2 and Q3 2009 represent increases in

concentrations since Q12008; however, the concentrations are within the respective historical operational period concentration range. Furthermore, the concentration in well OU2MW-01I during the system operational period has been reduced from a high of 8,222 ug/L in Q1 2006 to 109 ug/L, in Q3 2009. The total PAH concentration trends in the remaining wells were generally decreasing (up to two orders-of-magnitude) or stable with associated relative low levels.

The above data indicate that there have been significant decreases of MGP-related contaminants in groundwater monitoring wells located downgradient of the Montauk Highway oxygen injection system line.

Downgradient of Manatuck Lane Oxygen Injection Line

Elevated total BTEX and total PAH concentrations upgradient of the Manatuck Lane oxygen injection line have been present in the intermediate depth zone of the upper glacial aquifer. The highest median concentrations since the system began operation in September 2005, in upgradient wells located closest to the Manatuck Highway oxygen injection line, were 432 ug/L total BTEX and 3,952 ug/L total PAH in monitoring well GMP-01.

Statistical Trend Analysis

Statistical trends were evaluated for wells located downgradient of the Manatuck Lane oxygen injection line operating period. All of the wells downgradient of the Manatuck Lane oxygen injection system had median total BTEX and total PAH concentrations below 100 ug/L during the system operational period, excluding OU2MW-12I (total PAH). Decreasing total BTEX trends were identified in four wells, while decreasing total PAH trends were identified in six wells (see **Tables 3-16 & 3-17**). No increasing trends were identified. Review of data and Mann-Kendall results for downgradient wells in these clusters indicating no trend identifies that approximately 50% of the total BTEX and 56% of the total PAH values had a negative Mann-Kendall Statistic (S) associated with them indicating a decreasing trend, even though it was not significant at a 90% confidence level.

Graphical Trend Analysis

Significant decreases of MGP-related contaminants have been observed in monitoring wells located downgradient of the Manatuck Lane injection line at wells where effects of the oxygen injection line have been noted. Plots of total BTEX, total PAH concentrations and DO over time are presented on **Figure 11** for the ten wells or well clusters located adjacent to and downgradient of the Manatuck Lane injection line. The pre- and post-oxygen injection total BTEX and total PAH concentrations are presented in **Tables 3-11 and 3-12**, respectively.

For the time series plots (**Figure 11** and **Appendix E**) of the wells located downgradient of the oxygen injection system, total BTEX and total PAH concentrations were below 100 ug/L in all of the wells except, OU2MW-12I. The Q3 2009 total BTEX concentration in well OU2MW-12I is higher than the Q2 2009 concentration, but the trend for this well over the system operational period, is decreasing. Total PAH concentrations in this well have been decreasing from a high of 1,646 ug/L in Q2 2007 to 123 ug/L, in Q3 2009. Total BTEX and total PAH decreases up to three orders-of-magnitude have been observed as in well OU2MW-06 (non-detect in Q3 2009 for BTEX and PAH). The concentrations in this well have been reduced from highs of 1,085 ug/L, and 9,241 ug/L in Q3 2005 for total BTEX and total PAH, respectively. The total BTEX and total PAH concentration trends in the remaining wells were generally decreasing or stable with associated relative low levels.

3.2.5 Future Plans

- Continue annual and quarterly groundwater monitoring at selected wells.
- Operate the oxygen injection system installed during Q2 2009.

4. Operable Unit 3 – Brightwaters Yard & Groundwater Plume

4.1 Oxygen Injection Systems

4.1.1 Program Scope and Purpose

Two oxygen injection groundwater treatment systems were installed at the Site to mitigate dissolved-phase groundwater impacts migrating from the OU-3 Brightwaters Yard to O-Co-Nee Pond. The first system was installed in Q3 2000, as part of an IRM at the intersection of Union Boulevard and Lanier Lane. This treatment system consists of one injection line intended to reduce the concentrations of MGP-related contaminants in groundwater prior to discharge to O-Co-Nee Pond. A second oxygen injection groundwater treatment system was installed in Q4 2004, as part of an IRM on the Brightwaters Yard. This treatment system consisted of three injection lines intended to reduce the concentrations of MGP-related contaminants in groundwater leaving the Site boundary. The Brightwaters Yard Oxygen Injection System was taken offline on June 1, 2009 in support of the OU-3 LIRR IRM. The system and nine associated monitoring wells (PDMW-01, PDMW-02, PDMW-03, MW-02S/SR, MW-02I-R, MW-26D, MW-59, MW-16, and MW-16S/SR) were abandoned in June of 2009.

4.1.2 Current Site Activity

The following OU-3 oxygen injection system monitoring and system operation activities were performed in Q3 2009.

- **Monthly Groundwater Parameter Monitoring:** On a monthly basis, historically ten groundwater monitoring wells downgradient of the oxygen injection systems (MW-65, MW-75, MW-82, PDMW-01, IO-10, MW-34S, MW-34I, MW-34D, MW-46WR, and MW-70/70S) were monitored for DO, ORP, pH, Conductivity, and Temperature. Monitoring well PDMW-01 was abandoned in June of 2009. Monthly Groundwater Parameter Monitoring was completed at these wells on the following dates:
 - July 27, 2009
 - August 5, 12, 25-27, and 31, 2009
 - September 4, 8, 23, and 24, 2009
- **System Operation Monitoring:** The groundwater treatment systems are monitored on a monthly basis to ensure effective continued operation. During each monitoring event, system parameters relating to system operational and equipment readiness are recorded

and adjusted as necessary to optimize system performance. System Operation Monitoring was completed for the Brightwaters Yard System and the Union Boulevard System on the following dates:

- April 23, 2009
 - May 12 and 29, 2009
 - June 22, 2009
- **Quarterly Groundwater Sampling:** Select monitoring wells upgradient and downgradient of the oxygen injection system located in OU-3 are sampled quarterly for VOCs and SVOCs. Groundwater quality parameters (DO, pH, temperature, conductivity and ORP) are also recorded for each well during the quarterly sampling. Details on the groundwater sampling program are provided in Subsection 4.2 below.

4.1.3 Oxygen Injection System OM&M Data

The OU-3 Oxygen Injection System OM&M data are provided on the following tables, figures and appendix.

- **Table 4-1 Summary of Groundwater Parameter Data – Union Boulevard Oxygen Injection System** – provides the historical conductivity, DO, ORP, pH and temperature data for wells downgradient of the Union Boulevard oxygen injection system. The data provided on this table indicate that for Q3 2009:
 - DO concentrations remained elevated in downgradient monitoring wells IO-10, MW-46/WR, and MW-70/70S. DO concentrations ranged between 0 and 36 mg/L at these locations.
 - ORP varied in downgradient monitoring wells. ORP ranged between -238 and 261 mV at these locations.
 - pH ranged between 5.63 and 6.58 SU in downgradient monitoring wells.
 - Conductivity in downgradient monitoring wells remained consistent. Conductivity ranged between 0.288 and 1.86 mS/cm.
 - Temperature ranged between 15.3 and 24.7 degrees C, typical for Q3 conditions.
- **Table 4-2 Summary of Groundwater Parameter Data – Former Brightwaters Yard Oxygen Injection System** – provides the historical conductivity, DO, ORP, pH and temperature data for wells downgradient of the Former Brightwaters Yard oxygen injection system. The data provided on this table indicate that for Q3 2009:
 - DO concentrations were elevated at select downgradient monitoring wells. DO concentrations ranged between 1.1 and 27 mg/L.

- ORP remained elevated in select downgradient monitoring wells. ORP ranged between -254 and 132 mV.
 - pH remained consistent; pH ranged between 5.59 and 7.14 SU in downgradient monitoring wells.
 - Conductivity in downgradient monitoring wells remained consistent. Conductivity ranged between 0.181 and 0.805 mS/cm.
 - Temperature ranged between 15.0 and 23.3 degrees C, typical for Q3 conditions.
- **Table 4-3 Summary of Heterotrophic Plate Count Results** – provides a summary of HPC results for select wells located downgradient of the OU-3 oxygen injection systems. HPC results varied between 210 and 4,200 colony forming units per milliliter (cfu/ml).
 - **Figure 18 OU-3 Union Boulevard Oxygen Injection System Groundwater Data** – provides graphical depiction of DO measurements, total BTEX and total PAH concentrations over time for wells located downgradient of the Union Boulevard oxygen injection system. Decreases in total BTEX and total PAH concentrations are evident historically in monitoring wells (MW-46WR, IO-10, and MW-34I) in the vicinity of the Union Boulevard injection system. Further groundwater trend analysis is discussed in Subsection 4.2.4.2.
 - **Figure 19 Former Brightwaters Yard Oxygen Injection System Groundwater Data** – provides graphical depiction of DO measurements, total BTEX and total PAH concentrations over time for monitoring wells located downgradient of the Former Brightwaters Yard oxygen injection system. The system was abandoned in June of 2009 in support of the LIRR IRM. Further groundwater trend analysis is discussed in Subsection 4.2.4.2.
 - **Appendix C OU-3 Oxygen Injection System OM&M Data** – provides data collected during system operation monitoring. **Table C-1** provides the Union Boulevard oxygen injection system operational data and **Table C-2** provides the Former Brightwaters Yard oxygen injection system operational data.

The results provided in **Table C-1** for the Union Boulevard system indicate:

- Approximately 369 lbs of oxygen were injected during Q3 2009.
- A total of 5,173 lbs of oxygen have been injected since the initial start-up period.
- The system operated for all 92 days during Q3 2009.

Table C-2 provides historical totals for the Former Brightwaters Yard system indicate:

- A total of 7,187 lbs of oxygen were injected during the system operational period.

4.1.4 Future Plans

- Continue monthly system inspections, groundwater monitoring and quarterly sampling for COCs.
- Continue weekly system checks.
- Conduct labor intensive maintenance on the systems.
- Installation of an oxygen injection line along the upgradient side of Union Boulevard to replace the existing Union Boulevard injection line..

4.2 Groundwater Monitoring

4.2.1 Program Scope and Purpose

Groundwater monitoring is conducted within OU-3 to monitor the groundwater plume, to evaluate the effectiveness of remedial activities and the effectiveness of the oxygen injection systems, and to aid in remedy planning. There are currently 72 monitoring wells located on OU-3. The well locations and geographic boundaries of OU-3 are depicted on **Figure 1**. The number of wells sampled each quarter is determined based on previous analytical data and discussions with NYSDEC.

4.2.2 Current Site Activity

The following groundwater monitoring activities took place in OU-3 during Q3 2009:

- Depth to groundwater measurements were obtained on July 13 and 14, 2009 from 36 monitoring wells located within, sidegradient and downgradient of OU-3.
- The surface water elevation was obtained July 14, 2009 from a surface water gauge located within the headwaters of O-Co-Nee Pond (BBSW-13).
- Groundwater samples were collected from 53 of the 72 monitoring wells located within OU-3. Eighteen of the groundwater samples were analyzed for total BTEX and MTBE via EPA method 8260, and PAH via EPA Method 8270, and 35 of the groundwater samples were analyzed for an expanded list of VOCs (EPA Method 8260) and PAH (EPA Method 8270).

4.2.3 Groundwater Elevation Data

The depth to groundwater, groundwater elevation and surface water elevation data for OU-3 are provided on the following tables and figures.

- **Table 4-4 Water Level Measurements and Calculated Groundwater Elevations** – provides depth to water measurements and calculated groundwater and surface water elevation data for OU-3 wells measured in Q3 2009.

- **Table 4-5 Historic Calculated Groundwater Elevations** – provides historic groundwater elevations for OU-3 for existing groundwater wells.
- **Figure 4 Shallow Groundwater Contour Map** – provides the Q3 2009 shallow groundwater elevation contours for OU-1, OU-2, OU-3 and OU-4.
- **Figure 5 Deep Groundwater Contour Map** – provides the Q3 2009 deep groundwater elevation contours for OU-1, OU-2, OU-3 and OU-4.

The groundwater flow direction in OU-3 is toward the south/southeast. The shallow groundwater hydraulic gradient in OU-3 is approximately 0.0033 feet/foot. The deep groundwater hydraulic gradient is approximately 0.0034 feet/foot. The groundwater elevation in OU-3 monitoring wells during the Q2 2009 event were an approximate average of 0.21 feet lower than the Q2 2009 groundwater elevations and an approximate average of 0.84 feet higher than the Q3 2008 groundwater elevations.

4.2.4 Groundwater Analytical Data

The OU-3 groundwater analytical data is presented in the following tables, figures and appendices.

- **Table 4-6 Summary of Historic Total BTEX Groundwater Analytical Results** - presents a summary of historical total BTEX results for existing OU-3 groundwater monitoring wells.
- **Table 4-7 Summary of Historic Total PAH Groundwater Analytical Results** – presents a summary of historical total PAH results for existing OU-3 groundwater monitoring wells.
- **Table 4-8 Summary of BTEX, MTBE and PAH Groundwater Analytical Results** – provides the Q3 2009 groundwater analytical results for monitoring wells located in OU-3 for each compound detected during the Q3 2009 sampling event.
- **Table 4-9 Summary of Expanded Groundwater Analytical Results** – provides the Q3 2009 groundwater analytical results for monitoring wells located in OU-3 for each compound detected during the Q3 2009 sampling event.
- **Table 4-10 Summary of Total BTEX Statistical Trends** – provides statistical trends of concentrations beginning near the date when the nearest upgradient oxygen injection system began operation, through Q3 2009. The table is set up to include wells for all of the existing oxygen injection systems, however, the systems for which the nearest downgradient groundwater monitoring wells have sufficient sampling data to evaluate concentration trends are discussed.
- **Table 4-11 Summary of Total PAH Statistical Trends** – provides statistical trends of concentrations beginning near the date when the nearest upgradient oxygen injection system began operation, through Q3 2009. The table is set up to include wells for all of the existing oxygen injection systems, however, the systems for which the nearest

downgradient groundwater monitoring wells have sufficient sampling data to evaluate concentration trends are discussed.

- **Figure 12 Water Table Groundwater BTEX Iso-Concentration Map – Q3 2009 Data** – depicts the horizontal extent of total BTEX in the water table portion of the upper glacial aquifer for OU-3.
- **Figure 15 Water Table Groundwater PAH Iso-Concentration Map – Q3 2009 Data** – depicts the horizontal extent of total PAH in the water table portion of the upper glacial aquifer for OU-3.
- **Appendix E** – presents time series plots of the groundwater monitoring wells.
- **Appendix F** – identifies wells and depicts the distribution of pH values outside the 5.0 to 7.0 standard units (SU) range in groundwater. For OU-3, the pH in no wells was below 5.0 SU and in 9 wells was above 7.0 SU. The data presented in **Appendix F** are field screening values obtained during groundwater sampling activities.

4.2.4.1 Distribution of Total BTEX and Total PAH in the Upper Glacial Aquifer

The distribution of total BTEX and total PAH for Q3 2009 within the upper glacial aquifer is depicted on **Figures 12 through 14**, and **Figures 15 through 17**, respectively. The horizontal distribution in each map is depicted as lines of equal concentration (iso-concentration lines).

The iso-concentration lines were generated using a combination of applied methods. Initially, the lines were created by direct graphical interpolation between concentrations. These lines were then modified to factor in groundwater flow, taking into the southeasterly flow direction and the low transverse dispersion of the upper glacial aquifer. For areas where the groundwater monitoring well density was low, historical water quality from existing wells and groundwater quality data from previous groundwater probes were utilized.

The vertical distribution of the total BTEX and total PAH concentrations are depicted by iso-concentration maps for three aquifer horizons: the water table zone (up to the approximate upper 5 feet of the upper glacial aquifer); an intermediate depth zone from approximately 10 to 50 feet below land surface; and a deep zone below 50 feet to the top of the underlying low permeability surface unit of the Magothy aquifer.

For OU-3, total BTEX and total PAH concentrations in groundwater above 100 ug/L were primarily detected in the water table zone of the upper glacial aquifer. The distribution of these constituent groups is presented below.

Total BTEX

As depicted on **Figure 12**, a plume of total BTEX concentrations above 100 ug/L for Q3 2009 is primarily present in the shallow water table zone in the area downgradient (south-southeastward) of the former Brightwaters Yard oxygen injection system. The plume extends to approximately

50 feet beyond Union Boulevard and the oxygen injection line located along its downgradient edge. In previous OM&M reports, the plume was depicted in the southern area of the Brightwaters Yard, just north of the LIRR tracks; however, due to the LIRR track relocation and subsequent source material excavation, the monitoring wells in this area were abandoned or destroyed. As a result, there are presently no data points to illustrate the configuration of the plume in this area. The highest concentrations (greater than 10,000 ug/L) were present in the center of the northern section of the plume between the LIRR tracks and Community Road in well MW-75 with a concentration of 68,310 ug/L. Two nominal plumes, with concentrations with concentrations above 100 ug/L in two wells, exist to the south of the Union Boulevard oxygen injection system; in wells MW-32W/WR (277 ug/L) and MWBS-02S (268 ug/L). The low total BTEX concentration in nearby wells indicates that these plumes are localized.

In the intermediate zone, a single concentration exceeding 100 ug/L was detected at newly installed well OU3MW-04I (187 ug/L).

Total PAH

The total PAH plume (**Figure 15**) is generally similar in location to the northern section of the total BTEX plume, but is much less concentrated. Also similar to the total BTEX plume, the maximum total PAH concentrations of 1,667 ug/L occurred at MW-75.

4.2.4.2 Groundwater Analytical Data Trend Analysis

Analysis of data trends has been conducted on the two areas of the OU-3 plume described above: the southern area of the Brightwaters Yard located downgradient of the former oxygen injection lines, and the area downgradient of the Union Boulevard oxygen injection system.

Analysis of the trends of constituent concentrations for OU-3 groundwater wells was conducted on two levels: statistical and graphical. The periods of these trends focus on the operation periods of each oxygen injection system.

A statistical analysis typically used to assess trends in groundwater monitoring well concentration data is the Mann-Kendall method (Gilbert, 1987). This method is a non-parametric statistical that evaluates concentration trends over time, by comparing the relative difference in magnitude of data over time and assigning probability for the trends. One limitation of this statistical method exists for interpretation of remediation monitoring data sets of limited events. The graphical trend analysis of groundwater monitoring well concentrations considers all of the concentrations for the same oxygen injection period as the statistical period.

The confidence interval at which all Mann-Kendall analyses was changed from 95% to 90% in the Q3 2009 report, in order to better identify trends in total BTEX and total PAH concentrations. The assessment of statistical trends remains conservative with an associated error probability of less than 0.10.

Downgradient of the Brightwaters Yard Former Oxygen Injection System

The highest historical median concentrations in wells downgradient of the Brightwaters Yard former oxygen injection system during the operational period were 41,100 ug/L for total BTEX and 811 ug/L for total PAH in MW-80. As previously mentioned, the wells located in the vicinity of the Brightwaters Yard former oxygen injection system which typically had the highest concentrations for total BTEX and total PAH, were abandoned prior to Q3. Groundwater impacts in the area downgradient of the Brightwaters Yard former oxygen injection system are primarily found in the shallow zone of the upper glacial aquifer.

The oxygen injection system on the Brightwaters Yard site consisted of three injection lines installed parallel to the LIRR property. As discussed in Subsection 4.1.3, the oxygen injection system has significantly affected groundwater concentrations downgradient of the injection lines. However, impacted material beneath the LIRR property is contributing to groundwater impacts downgradient of the treatment system making evaluation of the system effectiveness difficult. Excavation of these impacts is being coordinated with LIRR and began in Q4 2009. The groundwater analytical trends as they relate to observed groundwater quality parameters and system effectiveness are discussed in Subsection 4.1.3. An analysis of overall groundwater quality trends downgradient of this treatment system is provided below.

Statistical Trend Analysis

In the 12 wells located downgradient of the former oxygen injection line (see **Table 4-10**), significantly decreasing statistical trends of total BTEX were identified in MW-64, MW-78, MW-79, MW-81, MW-82 and SV-03. For total PAH concentration trends in these same adjacent downgradient wells, statistical decreasing trends were identified in MW-73, MW-78, MW-79, MW-80, MW-81, MW-82 and SV-03. No increasing statistical trends were identified for the remaining wells.

Review of data and Mann-Kendall results for downgradient wells indicating no trend, identifies that all of the total BTEX trend values and 80% of the total PAH trend values have a negative Mann-Kendall Statistic (S) associated with them. This negative statistic indicates a decreasing trend to exist, even though it was not significant at a 90% confidence interval. Many wells indicated with no trend had a high number of non-detect results (up to 17).

Graphical Trend Analysis

Plots of total BTEX and total PAH concentrations over time are presented in **Figure 19** and **Appendix E** for 13 wells located downgradient of the former Brightwaters Yard former oxygen injection system lines. As described above, the groundwater impacts at OU-3 are primarily BTEX. Total BTEX concentrations exceeding 100 ug/L were found in eight of the 13 wells

reviewed (MW-73, MW-75, MW-78, MW-79, MW-80, MW-81, MW-82 and SV-02). Decreasing trends in total BTEX were identified in 4 of these 8 wells (MW-79, MW-80, MW-81 and MW-82). It is noted that the Q3 2009 total BTEX concentrations were higher than the Q2 concentrations in wells MW-79, MW-81 and MW-82; however, when compared to the historical data, the decreasing trends become evident. Total BTEX concentrations during the system operational period have significantly fluctuated. Concentrations as high as approximately 300,000 ug/L have decreased up to five orders-of-magnitude through the system operational period. Significant increases for Q3 2009 total BTEX occurred in wells MW-73, MW-75, MW-78 and SV-02; however, the concentrations are all within the historical concentration ranges for these wells. The total BTEX concentration trends in the remaining wells were generally decreasing or stable with associated relative low levels.

Downgradient of the oxygen injection system, elevated total PAH concentrations (>100 ug/L), for Q3 2009 were identified in three wells, MW-73 at 1,295 ug/L, MW-75 at 1,667 ug/L and SV-02 at 669 ug/L. Increasing trends were identified in all of these wells. The Q3 2009 concentrations in wells MW-73 and MW-75 are within the historical concentration ranges for these wells. The Q3 2009 concentration in well SV-02 is the maximum concentration for the well during the system operational period. Total PAH concentrations during the system operational period have been reduced up to three orders-of-magnitude as in well MW-79 from a high of 1,400 ug/L (Q1 2005) to non-detect in three of the last four sampling events. The total PAH concentration trends in the remaining wells were generally decreasing or stable with associated relative low levels.

The above analysis indicates that reductions in total BTEX and total PAH concentrations have generally been observed in wells affected by the former oxygen injection system; however, the concentrations have fluctuated in some of the wells. The variations in total BTEX and total PAH concentrations are attributed to remaining source material located downgradient of the former Brightwaters Yard oxygen injection system on the Brightwaters Yard property and within the LIRR right-of-way. Soil excavation in the area began in Q4 2009.

Downgradient of Union Boulevard Oxygen Injection System

The oxygen injection system located along Union Boulevard consists of one injection line installed on the downgradient, southern side of Union Boulevard (**Figure 1**). The oxygen injection system has affected groundwater concentrations downgradient of the injection line, but past system component failures have reduced the overall system efficiency. OM&M procedures have increased system efficiency over the last nine quarters (since Q1 2007). The groundwater analytical trends, as they relate to observed groundwater quality parameters and system effectiveness, are discussed in Subsection 4.1.3 and presented on **Figure 18**. Groundwater impacts in the area downgradient of the Union Boulevard oxygen injection system are localized and in the shallow and intermediate zone of the upper glacial aquifer.

Statistical Trend Analysis

In OU-3 wells located downgradient of the Union Boulevard oxygen injection system, statistical decreasing trends were identified in five wells for total BTEX (IO-10, MW-11W, MW-32W/W-R, MW-34I and MW-46W/WR) and two wells for total PAH in MW-11W and MW-46W/WR (**Table 4-10**). No statistical trends were identified in the remaining wells; however these wells had a negative Mann-Kendall Statistic (S) for total BTEX, and 80 % of the wells had a negative statistic for total PAH. These negative statistics indicate decreasing trends even though they were not significant at a 90% confidence interval.

Graphical Trend Analysis

The effectiveness of the Union Boulevard oxygen injection system was evaluated by examining the trends of the monitoring wells located downgradient of the Union Boulevard oxygen injection line including IO-10, MW-11W, MW-30WR, MW-32W/WR, MW-34S, MW-34I, MW-34D, MW-46W-R, MW-70/70S, MWBS-02S, MWBS-02I and MWBS-02D. Plots of total BTEX and total PAH concentrations over time for these wells are presented on **Figure 18** and in **Appendix E**.

In the shallow zone, total BTEX concentrations exceeding 100 ug/L were found in four of the 9 wells reviewed (MW-32W/WR, MW-46W-R, MW-70/70S, and MWBS-02S). Decreasing trends of total BTEX concentrations among the wells with Q3 2009 concentrations above 100 ug/L during the system operational period were noted in wells MW-46W-R (Q3 2009 concentration of 811 ug/L) and MW-70/70S (Q3 2009 concentration of 410 ug/L) from highs of 42,400 ug/L and 57,000 ug/L, respectively. In addition, a decreasing trend of note was also observed in MW-34S, where the concentration has been reduced from as high as 35,100 ug/L in Q3 2007 to 57 ug/L, Q3 2009. An increasing trend of total BTEX was associated with well MWBS-02S (268 ug/L in Q3 2009), which had been below detection limits for 14 of the previous 16 quarters. It is noted that the Q3 2009 concentration in this well is within the historical concentration range. Slight increases in total BTEX concentrations were also noted at MW-32W/W-R and MW-11W; however, both Q3 2009 concentrations were well below their historic averages. The total BTEX concentration trends in the remaining wells were generally stable with associated relative low levels. The concentrations in several of the wells reviewed have been widely varied apparently dependent on seasonal water level fluctuations.

In the intermediate depth zone during Q3 2009, one well had a total BTEX concentration above 100 ug/L (OU4MW-041 at 187 ug/L). This well was installed and sampled during Q3 2009. Total BTEX was not detected in the two nearest wells sampling upgradient and sidegradient (to the west), during Q3 2009.

None of the downgradient wells reviewed had total PAH concentrations exceeding 100 ug/L in Q3 2009. One decreasing trend was noted in MW-34S, where the concentration decreased from 105 ug/L in Q2 2009 to 17 ug/L in Q3. Reductions in total PAH concentrations during the system operational period have been as much as two orders-of-magnitude, as in MW-46W-R (31 ug/L), where the concentration was as high as 1,200 ug/L in Q3 2005. The total PAH concentration trends in the remaining wells were generally stable with associated relative low levels.

4.2.5 Future Plans

- Continue annual and quarterly groundwater monitoring at selected existing and newly installed wells.
- Excavate source material in the vicinity of the LIRR tracks.
- Relocate oxygen injection line to north side of Community Road/Union Blvd.

4.3 Institutional Controls/Engineering Controls (IC/EC)

- There has been no activity this quarter.

5. Operable Unit 4 – Watchogue Creek/Crum’s Brook

5.1 Groundwater Monitoring

S-ISCO injection was initiated on April 28, 2009 in accordance with the NYSDEC-approved OU-4 Cesspool Area S-ISCO Work Plan (VeruTEK, 2008). Site preparation work including installation of the S-ISCO injection wells, monitoring wells and injection lines and mobilization of S-ISCO injection equipment was completed in Q2 2009 and S-ISCO injection has continued through Q3 2009. Groundwater monitoring is conducted within OU-4 to aid in monitoring groundwater contamination, to evaluate the effectiveness of remedial activities and to aid in remedy planning. The final report for the OU-4 cesspool IRM will be submitted at the completion of the ISCO portion of the IRM. There were 57 monitoring wells located in OU-4 during the Q3 2009 sampling event. The well locations and geographic boundaries of OU-4 are illustrated on **Figure 1**. The number of wells sampled each quarter is determined based on previous analytical data and discussions with NYSDEC.

5.1.1 Current Site Activity

The following groundwater monitoring activities took place in OU-4 during Q3 2009.

- Depth to groundwater measurements were obtained on July 13, 2009 from 44 monitoring wells located within, upgradient, sidegradient and downgradient of OU-4.
- The surface water elevation was obtained on July 13, 2009 from a surface water gauge located in Watchogue Creek/Crum’s Brook at Union Boulevard (BBSW-14).
- Two rounds of groundwater sampling were conducted in OU-4 in Q3 2009 (July 2009 and August 2009). Groundwater samples were collected from 53 monitoring wells located within OU-4 during the July 2009 sampling round. Forty-one wells were sampled during the August 2009 sampling round (37 of the 53 wells sampled in July 2009 and 4 newly installed wells, WCMW-22S, 22I and WCMW-23S, 23I). The groundwater samples were analyzed for an expanded list of VOCs (EPA Method 8260) and PAH (EPA Method 8270).

5.1.2 Groundwater Elevation Data

The depth to groundwater, groundwater elevation and surface water elevation data for OU-4 are provided on the following tables and figures.

- **Table 5-1 Water Level Measurements and Calculated Groundwater Elevations** – provides depth to water measurements and calculated groundwater and surface water elevation data for OU-4 wells measured in Q3 2009.

- **Table 5-2 Historic Calculated Groundwater Elevations** – provides historic groundwater elevations for OU-4 for existing groundwater wells.
- **Figure 4 Shallow Groundwater Contour Map** – provides the Q3 2009 shallow groundwater elevation contours for OU-1, OU-2, OU-3 and OU-4.
- **Figure 5 Deep Groundwater Contour Map** – provides the Q3 2009 deep groundwater elevation contours for OU-1, OU-2, OU-3 and OU-4.

The groundwater flow direction in OU-4 is towards the southeast. The shallow groundwater hydraulic gradient is approximately 0.0034 feet/foot. The deep groundwater hydraulic gradient is approximately 0.0032 feet/foot. The groundwater elevation in OU-4 monitoring wells during the Q3 2009 gauging event was an approximate average of 0.01 feet higher than the Q2 2009 groundwater elevations and an approximate average of 1.00 feet higher than the Q3 2008 groundwater elevations.

5.1.3 Groundwater Analytical Data

The OU-4 groundwater analytical data are presented on the following tables and figures.

- **Table 5-3 Summary of Historic Total BTEX Groundwater Analytical Results** – presents a summary of historical total BTEX results for existing OU-4 groundwater monitoring wells. (Table 5-3 includes the most recent results for the two rounds of sampling conducted during Q3 2009)
- **Table 5-4 Summary of Historic Total PAH Groundwater Analytical Results** – presents a summary of historical total PAH results for existing OU-4 groundwater monitoring wells. (Table 5-4 includes the most recent results for the two rounds of sampling conducted during Q3 2009).
- **Table 5-5 Summary of Expanded Groundwater Analytical Results** – provides the Q3 2009 groundwater analytical results for monitoring wells located in OU-4 for each compound detected.
- **Figure 15 Water Table Groundwater PAH Iso-Concentration Map – Q3 2009 Data** – depicts the horizontal extent of total PAH in the water table portion of the upper glacial aquifer for OU-4.
- **Figure 16 Intermediate Groundwater PAH Iso-Concentration Map (10-50 Feet bgs) – Q3 2009 Data** – depicts the horizontal extent of total PAH in the intermediate depth portion of the upper glacial aquifer for OU-4.
- **Appendix E - Time Series Trend Graphs for PAH** illustrates the total PAH concentration vs. time for each of the OU-4 well where sufficient data is available.
- **Appendix F** – identifies wells and depicts the distribution of pH values outside the 5.0 to 7.0 standard units (SU) range in groundwater. For OU-4, the pH in 8 wells was below 5.0 SU and in 1 well was above 7.0 SU. The data presented in **Appendix F** are field screening values obtained during groundwater sampling activities

5.1.4 Groundwater Analytical Data Trend Analysis

The evaluation of trend analysis for the two rounds of samples analyzed for OU-4 considered the most recent results of the two sets of samples. Impacts (concentrations greater than 100 ug/L) were only associated with total PAH and were present in the water table zone and intermediate depth zone of the upper glacial aquifer. In the water table zone, total PAH concentrations above 100 ug/L were found in four wells in the southern portion of the LIRR parking lot and the adjacent property to the west (ranging from 226 ug/L in WCMW-17S to 637 ug/L in WCMW-11S). In the intermediate depth zone, PAH concentrations above 100 ug/L occurred in four wells in the central and eastern portions of the LIRR parking lot (ranging from 101 ug/L in WCMW-04I to 994 ug/L in WCMW-03I).

Analysis of the trends of constituent concentrations for OU-4 groundwater wells was conducted on two levels: statistical and graphical. The periods of these trends cover the available historical data for past groundwater sampling events.

A statistical analysis typically used to assess trends in groundwater monitoring well concentration data is the Mann-Kendall method (Gilbert, 1987). This method is a non-parametric statistical that evaluates concentration trends over time, by comparing the relative difference in magnitude of data over time and assigning probability for the trends. One limitation of this statistical method exists for interpretation of remediation monitoring data sets of limited events. The graphical trend analysis of groundwater monitoring well concentrations considers all of the concentrations for the same period as for the statistical period.

Statistical Trend Analysis

Statistical trends for total PAH in wells located in OU-4 were identified as significantly decreasing in WCMW-03I and WCMW-03I2 based on the data set from Q4 2002 prior to the 2005 Cesspool Area excavation activities through Q3 2009. An increasing trend was identified at six wells located within OU-4, WCMW-01I, WCMW-05S, WCMW-05I2, WCMW-12I, WCMW-14S, and WCMW-16I2. However, PAH have not been detected in WCMW-05S, WCMW-12I and WCMW-14S at concentrations above 7 ug/L since Q2 2007. Statistical trends for total BTEX in wells located in OU-4 were identified as significantly increasing in WCMW-01S and WCMW-03S. A decreasing trend was identified in WCMW-11S; however, only seven data points were identified at this location. Many wells identified with no trend for total BTEX or total PAH had a limited number of sampling events (seven or less) or high number of non-detect results (up to six). Mann-Kendall results for downgradient wells indicating no trend in total BTEX or total PAH concentrations are influenced by several factors, such as a negative Mann-Kendall Statistic (S) (**Tables 5-6 and 5-7**). This negative statistic parameter value indicates a decreasing trend to exist, even though it was not significant at a 90% confidence interval and is reported as no trend.

Graphical Trend Analysis

For the water table zone, four wells had total PAH concentrations greater than 100 ug/L in Q3 2009 (WCMW-03S, WCMW-04S, WCMW-11S and WCMW-17S). The PAH concentration in these wells appears to be fluctuating within the historical range observed at these locations.

For the intermediate groundwater depth zone, four wells (WCMW-03I, WCMW-04I, WCMW-5I and WCMW-17I) had total PAH concentrations of 994 ug/L, 101 ug/L, 411 ug/L and 342 ug/L similar to the historic average concentrations detected in these wells. The total PAH concentration of 411 ug/L detected in WCMW-05I is the highest concentration detected at this location since the initiation of sampling in October 2002 and the total PAH concentration detected in WCMW-17I of 342 ug/L is the highest concentration detected of the 4 sampling rounds conducted at this location.

5.1.5 Future Plans

- Continue annual, quarterly and monthly groundwater monitoring at selected wells.
- Continue S-ISCO injection.

5.2 Institutional Controls/Engineering Controls (IC/EC)

- There has been no activity this quarter.

6. Soil Vapor and Ambient Air Sampling

National Grid has conducted quarterly and monthly soil vapor and ambient air sampling to evaluate the potential contribution of contaminants of concern (COCs) from the dissolved phase groundwater plumes to soil vapor and to evaluate the potential impacts of implementation of remedial activities on soil vapor concentrations. The soil vapor and ambient air sampling activities are described for each of the four operable units (OU-1 through OU-4) below.

The Q3 2009 soil vapor and ambient air data are provided in the following tables and appendix.

- **Table 6-1 Analytical Soil Vapor Results** – presents the historical soil vapor data from all permanent soil vapor points as well as the soil vapor data from the 84 samples collected during Q3 2009 and the 4 samples taken in October 2009.
- **Table 6-2 Analytical Ambient Air Results** – presents the historic and Q3 2009 ambient air data.
- **Appendix D Soil Vapor Analytical Results** – contains historical graphs of the soil vapor concentrations of all analytes detected at any soil vapor point, as well as BTEX only historical plots. The periods when an associated treatment system or S-ISCO was in operation are identified on each graph.

6.1 Soil Vapor Sampling - OU-1

6.1.1 Overview

Soil vapor is monitored at soil vapor points within and upgradient of OU-1, including upgradient and downgradient of the oxygen injection system. Points located within OU-1 will also serve as a baseline for the start-up of the ozone injection system. Soil vapor is monitored upgradient of OU-1 to determine soil vapor concentrations outside the area of influence of the site.

6.1.2 Sampling Scope and Location Summary

Four samples (including 1 duplicate sample) were collected from 3 soil vapor locations (OU1SG06, OU1SG07, and OU1SG09) in Q3 2009. The OU-1 soil vapor locations represent the distinct areas as described below.

Soil Vapor Sample Areas	Soil Vapor IDs
Upgradient of Operable Unit No. 1	OU1SG06, OU1SG07, OU1SG08, OU1SG09
Upgradient of OU-1 Oxygen Injection Line	OZSG04, OZSG05
Downgradient of OU-1 Oxygen Injection Line/ Upgradient of 33 N. Clinton/Cooper Lane Injection Line	OZSG01, OZSG02, OZSG03 ¹ , OU2SG14, OU2SG15

Note:

1. OZSG01-OZSG05 were destroyed during the installation of the barrier wall on OU-1 and subsequent activities. The points have been collected as temporary points and will be replaced at the completion of construction activities. They were not collected during Q3 2009 due to the installation of the ozone injection system.

6.1.3 Soil Vapor Sampling Data

Soil vapor concentrations in OU-1 have varied greatly between Q1 2008 and Q3 2009 at all locations monitored. The variations in concentrations have occurred both before the OU-1 system was installed and after the system was in operation. These fluctuations occurred in the areas downgradient and upgradient of the OU-1 oxygen injection line. During Q3 2009, the concentrations detected at each soil vapor point were generally consistent with previous sampling events.

6.2 Soil Vapor and Ambient Air Sampling - OU-2 and OU3

6.2.1 Overview

Various soil vapor points have been installed within OU-2 and OU-3 to monitor soil vapor concentrations downgradient of the oxygen injection systems. Currently there are six oxygen injection systems located within OU-2 and one system located in OU-3.

6.2.2 Sampling Scope and Location Summary

Sixty-four samples (including 1 duplicate sample) were collected from 33 soil vapor locations in OU-2 and 5 samples were collected from 5 ambient air locations in Q3 2009. One sample was collected from soil vapor location OU3SG-01 in Q3 2009. The OU-2 and OU-3 soil vapor locations represent the areas as described below.

Soil Vapor/Ambient Air Sample Areas	Soil Vapor/Ambient Sample IDs
Downgradient of OU-1 Oxygen Injection Line/ Upgradient of 33 N. Clinton/Cooper Lane Injection Line	OZSG01, OZSG02, OZSG031, OU2SG14, OU2SG15
Downgradient of 33 N. Clinton Avenue Injection Line/ Upgradient of 9 N. Clinton Avenue Injection Line	OU2SG32, OU2SG20, OU2SG31, OU2SG19, OU2SG28, OU2SG21
Upgradient of 34 N. Clinton Avenue Injection Line	OU2SG16, OU2SG17, OU2SG18,
Downgradient of 34 N. Clinton Avenue Injection Line/ Upgradient of 9 N. Clinton Avenue Injection Line	OU2SG12, OU2SG22, OU2SG23, OU2SG38, OU2SG39, Ambient Air OU2AA04
Downgradient of 9 N. Clinton Avenue Injection Line/ Upgradient of Montauk Highway Injection Line	OU2SG24, OU2SG25, OU2SG26, OU2SG27, OU2SG29, OU2SG30, OU2SG06, Ambient Air OU2AA05
Upgradient of the Montauk Highway Oxygen Injection Line	OU2SG24, OU2SG25, OU2SG26, OU2SG29, OU2SG30, OU2SG06, Ambient Air OU2AA05
Downgradient of the Montauk Highway Injection Line/ Upgradient of Manatuck Lane Injection Line	OU2SG03, OU2SG04, OU2SG05, OU2SG10, OU2SG01, OU2SG02, OU2SG07 Ambient Air OU2AA01 and OU2AA02
Downgradient of the Manatuck Lane Injection Line	OU2SG08, OU2SG09 Ambient Air OU2AA03
Sidegradient of the Manatuck Lane Injection Line along Garner Lane	OU2SG13(2)
Downgradient of the Brightwaters Yard Injection System and Upgradient of the Union Boulevard Oxygen Injection System	OU3SG01

Notes:

(2) OU2SG13 was damaged during Q2 2007 and was replaced prior to the Q3 2007 sampling event.

6.2.3 Soil Vapor and Ambient Air Sampling Data

Soil vapor concentrations have varied widely between 2005 and 2009 at all locations monitored in OU-2 and OU-3. The variations in concentrations have occurred both before the systems were installed and after the systems were in operation. These fluctuations occurred in the areas downgradient of the oxygen injection lines, upgradient of the injection lines, and west of Lawrence Lake outside of the influence of the groundwater plume. During Q3 2009, the concentrations detected at each soil vapor point were generally consistent with previous sampling events with these exceptions:

- The concentrations of trichlorofluoromethane significantly increased on 7/30/2009 at location OU2SG-12. The concentrations in the other samples collected from this point during Q3 2009 decreased, but still remained elevated. This location is downgradient of the 34 North Clinton Avenue oxygen injection system.
- Toluene increased at OU2SG-22 on 7/30/2009. The subsequent samples collected in Q3 from this point decreased to previous levels. This is downgradient of the 34 North Clinton Avenue oxygen injection system.
- Acetaldehyde increased at OU2SG-28 on 8/12/2009, but returned to non-detect during the next sampling period. This location is downgradient of 33 North Clinton Avenue oxygen injection system.
- Naphthalene returned to non-detect levels at OU2SG-30. This point is located upgradient of the Montauk Highway oxygen injection system.
- Carbon disulfide concentrations increased significantly on 7/13/2009 at OU2SG-32, and then decreased during the next sampling event (8/10/2009). This location is downgradient of the 33 N Clinton oxygen injection system.

Ambient air concentrations have not varied significantly from quarter to quarter. Frequent detections (compounds detected in more than 30% of samples collected) have been limited to low concentrations of 19 VOCs: benzene, toluene, ethylbenzene, m,p-xylene, o-xylene, acetaldehyde, acetone, butane, 2-butanone, carbon tetrachloride, chloromethane, dichlorodifluoromethane, ethanol, hexane, pentane, 2-propanol, 1,1,2-trichloro-1,2,2-trifluoroethane, trichlorofluoromethane, and 2,2,4-trimethylpentane. Benzene was not detected in any of the five ambient air samples in Q3 2009.

6.3 Soil Vapor Sampling - OU-4

6.3.1 Overview

Eight soil vapor points were installed in OU-4, in Q2 2009, to monitor soil vapor during the S-ISCO injection. Soil vapor sampling at the four primary points (OU4SV-1 through OU4SV-04) was initiated on a daily basis immediately following S-SICO startup in Q2 2009 and was phased to weekly and then monthly sampling. The four additional soil vapor points OU4SV-05 through

OU4SV-08 were sampled prior to S-ISCO injections and were not required to be monitored during the S-ISCO injection program.

6.3.2 Sampling Scope and Location Summary

Fifteen samples were collected from 4 soil vapor locations (OU4SV1, OU4SV2, OU4SV3, and OU4SV4) in Q3 2009. In addition, four samples were collected during October 2009. The OU-4 soil vapor locations represent the distinct areas as described below.

Soil Vapor Sample Areas	Soil Vapor/ Sample IDs
Northern portion of the S-ISCO treatment area, downgradient of the injections wells IW-13 and IW-14	OU4SV-1
Central portion of the S-ISCO treatment area, downgradient of injection wells IW-4 and IW-5	OU4SV-2
Southern portion of the S-ISCO treatment area, downgradient of injection wells IW-6, IW-7, and IW-12	OU4SV-3
Southeastern portion of the S-ISCO treatment area, downgradient of injection well IW-9	OU4SV-04

6.3.3 Soil Vapor Sampling Data

Soil vapor concentrations in OU-4 have varied greatly between Q1 2009 and Q3 2009 at all locations monitored. The sampling of the OU4 soil vapor points began in Q1 2009, shortly before the S-ISCO injection began on April 28, 2009. Fluctuations in concentrations have occurred at all soil vapor points which are downgradient of the injection. During Q3 2009, there were several concentrations of chemicals which were elevated when compared with Q2 2009 values. The majority of these concentrations then decreased during the October 2009 sampling event. The October 2009 data is referenced in this report to identify locations where increases were noted in Q3 2009 but subsequently decreased in Q4 2009. The increases in concentrations are described below.

- Several compounds, including hexane, pentane, tetrachloroethene, carbon disulfide, heptanes, toluene, and benzene, were detected at elevated concentrations at OU4SV-1 on 9/29/2009. However, these concentrations decreased to within the previously detected ranges during the October 30, 2009 soil vapor sampling event.
- Several compounds including butane, chloroethane, cyclohexane, chloromethane, n-heptane, n-hexane and pentane were detected at elevated concentrations at OU4SV-2 during the July and/or August 2009 sampling events. Concentration in subsequent sampling locations returned to non-detect levels by 9/29/2009.

- Several compounds, including butane, chloroethane, 1,1-dichloroethane, heptane, hexane, pentane, benzene and toluene were elevated during Q3 2009 at location OU4SV-3. The majority of these compounds returned to previous detected levels in the October 30, 2009 sampling event with the exception of benzene, butane, chloroethane, heptanes, hexane and pentane, which primarily decreased in concentration but continued to be present at elevated levels.
- OU4SV-4 also had elevated concentrations of several compounds including chloromethane, butane, pentane, carbon disulfide, cyclohexane, decane, hexane, vinyl chloride and benzene throughout a portion of, or throughout the entire Q3 2009 monitoring period. The concentration of these compounds decreased to below detection levels or to previously detected levels in the October 30, 2009 sampling event.

6.4 Soil Vapor Fate and Transport

The fate and transport of soil vapor in the subsurface is dependent on various chemical and environmental conditions that directly affect the concentrations detected (United States Environmental Protection Agency, 1997). These include the vapor pressure and the Henry's law constant of the individual COC present, the temperature and barometric pressure at the surface, and the moisture content and porosity of the vadose zone soils. A description of each of these chemical and environmental conditions and their effects on soil vapor fate and transport have been presented in previous OM&M reports and are summarized below.

- The higher the vapor pressure of a COC, the more readily it evaporates into the vapor phase.
- COC with a greater tendency to exist in the vapor phase have a Henry's law constant greater than 1, and compounds with a greater tendency to exist in the dissolved phase have a Henry's law constant less than 1.
- Generally, the higher the pressure, the more COC would tend to remain in the dissolved phase and the lower the pressure, the more COC would tend to release to the vapor phase.
- The soil moisture decreases permeability because moisture trapped in the pore space of the soil matrix inhibits or blocks vapor flow.

In addition, several other soil factors can influence the distribution of COC in the soil vapor. Preferential pathways such as sub-surface utilities, tree roots, and backfilled areas can allow vapor migration away from a source area. Conversely, impervious zones or layers such as clay/peat/organic soil layers, foundations, buried structures, or perched groundwater can trap or inhibit the flow of soil vapors.

During the 2007 hydrologic study completed in OU-2, the sharp increases in groundwater elevations noted during the two rainfall events provide an approximate guideline for the effects of other rainfall events. Based on the timeframe and the magnitude of the rainfall events observed, significant precipitation events within the one-week preceding a soil vapor-sampling

event were identified below. As discussed above, these are events that could significantly affect the concentrations of COC detected in soil vapor at the site.

Sample Date	Recent Precipitation Date	Magnitude of Precipitation (in./day)	Description of Significant Precipitation Events
5/5/2005	4/30/2005	1.12	April 2005 was a wetter than average month 4.87 in. recorded (normal 4.13 in.)
8/30/2005	--	--	A four-month drought occurred in the summer of 2005
6/14/2006	6/7/2006	1.27	June 2006 was a wetter than average month 5.34 in. recorded (normal 3.71 in.)
9/7/2006	8/25/2006	1.58	August 2006 was a wetter than average month 5.58 in. recorded (normal 4.48 in.)
2/22/2007	2/14/2007	1.05	Winter snow storm
5/24/2007	--	--	April 2007 was a wetter than average month 6.72 in. recorded (normal 4.13 in.)
7/25/2007	7/18/2007	3.34	Both events occurred during Week 2 of the Hydrologic Study
12/18-19/07	12/13/2007 12/16/2007	0.82 0.85	December 2007 was a wetter than average month 4.64 in. recorded (normal 4.13 in.)
2/6-7/08	2/6/2008 2/7/2008	0.07 0.14	February 2008 was a wetter than average month 6.21 in. recorded (normal 3.33 in.)
2/19/2008	2/18/2008	0.48	
3/17/2008 3/21/2008	3/15/2008 3/19/2008 3/20/2008	0.25 0.91 0.3	March 2008 was a wetter than average month 5.89 in. recorded (normal 4.76 in.)
3/26-27/08	--	--	
6/13/2008	--	--	June 2008 was a dryer than average month 3.17 in. recorded (normal 3.71 in.)
6/18-20/08	8/16/2008	0.16	
	8/18/2008	0.15	
	8/20/2008	0.12	
6/23-25/08	8/21/2008 8/23/2008	0.27 0.05	

Sample Date	Recent Precipitation Date	Magnitude of Precipitation (in./day)	Description of Significant Precipitation Events
8/13/2008	8/11/2008	0.42	August 2008 was a dryer than average month 3.2 in. recorded (normal 4.48 in.)
9/16-19/08	9/9/2008	0.5	September 2008 was a wetter than average month 7.46 in. recorded (normal 3.39 in.)
	9/12/2008	0.59	
9/22-24/08	--	--	
9/30/2008	9/26/2008	2.39	
	9/27/2008	0.5	
	9/28/2008	0.2	
	9/29/2008	0.11	
12/23/2008	12/21/2008	0.41	December 2008 was a wetter than average month 6.68 recorded (normal 4.13 in.)
12/29-31/08	12/31/2008	0.17	
1/20-26/09	1/18/2009	0.13	January 2009 as a dryer than average month 3.2 in. recorded (normal 4.27 in.)
	1/19/2009	0.03	
1/30/2009	1/30/2009	1.12	
2/5/2009	2/3/2009	0.31	February 2009 as a dryer than average month 1.79 in. recorded (normal 3.33 in.)
2/13/2009	2/12/2009	0.19	
2/16-21/09	2/18/2009	0.69	
	2/19/2009	0.05	
2/23/2009	2/22/2009	0.31	
2/27/2009	2/27/2009	0.24	
3/5/2009	--	--	March 2009 as a dryer than average month 2.44 in. recorded (normal 4.76 in.)
3/12-13/09	--	--	
3/16-19/09	--	--	
3/23-24/09	--	--	
3/26/2009	--	--	
3/31/2009	3/29/2009	0.67	
4/1-6/09	4/2/2009	0.15	April 2009 was a wetter than average month 4.86 in. recorded (normal 4.13 in.)
4/10/2009	4/3/2009	0.63	
4/13-14/09	4/6/2009	0.7	
4/17/2009	4/11/2009	0.92	
	4/14/2009	0.11	
	4/15/2009	0.08	
4/24/2009	4/20/2009	1.01	
4/27-30/09	4/21/2009	0.95	
	4/22/2009	0.21	

Sample Date	Recent Precipitation Date	Magnitude of Precipitation (in./day)	Description of Significant Precipitation Events
5/1/2009	5/1/2009	0.47	May 2009 was a wetter than average month 5.88 in. recorded (normal 3.90 in.)
	5/2/2009	0.15	
	5/3/2009	0.32	
5/4-5/09	5/4/2009	0.41	
	5/5/2009	0.16	
	5/6/2009	0.83	
5/8/2009	5/7/2009	0.33	
5/11-13/09	5/9/2009	0.87	
5/15/2009	5/14/2009	0.33	
5/21-22/09	5/16/2009	0.09	
	5/17/2009	0.44	
6/3/2009	6/2/2009	0.05	June 2009 was a wetter than average month 7.71 in. recorded (normal 3.71 in.)
	6/3/2009	0.19	
	6/4/2009	0.67	
6/8/2009	6/5/2009	0.83	
6/16-6/17/09	6/9/2009	0.84	
6/19/2009	6/12/2009	1.04	
	6/15/2009	0.12	
6/25/2009	6/18/2009	1.78	
	6/20/2009	0.62	
	6/21/2009	0.3	
7/9/2009	7/2/2009	0.18	July 2009 was a wetter than average month 6.42 in. recorded (normal 2.93 in.)
7/13/2009	7/3/2009	0.71	
	7/7/2009	0.84	
	7/8/2009	0.66	
	7/12/2009	0.17	
	7/21/2009	0.85	
7/23/2009	7/23/2009	2.23	
	7/26/2009	0.12	
	7/29/2009	0.05	
8/10/2009	8/10/2009	0.16	August 2009 was a dryer than average month 0.68 in. recorded (normal 4.48 in.)
8/12/2009	--	--	
8/18/2009	--	--	
8/25/2009	--	--	
8/26/2009	--	--	

Sample Date	Recent Precipitation Date	Magnitude of Precipitation (in./day)	Description of Significant Precipitation Events
	9/11/2009	0.69	September 2009 was a dryer than average month 2.65 in. recorded (normal 3.39 in.)
9/15/2009	9/12/2009	0.6	
9/21-9/23/09	9/24/2009	0.06	
9/25/2009	9/27/2009	1.15	
9/29/2009	9/28/2009	0.06	

6.5 Future Plans

- Continued quarterly soil vapor and ambient air sampling.
- Continued daily/weekly/monthly soil vapor sampling per OU-2 OM&M Plan.

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Tables (electronic only)

Tables also available at www.bayshoreworksmgp.com

Notes for Groundwater Analytical Results Bay Shore/Brightwaters Former MGP Site Operations, Maintenance and Monitoring Program

NOTES:

ug/L - micrograms per liter or parts per billion (ppb)

mg/L - milligrams per liter or parts per billion (ppb)

cfu/mL - colony forming units per milliliter

BTEX - benzene, toluene, ethylbenzene, and xylenes (a subset of VOCs)

VOCs - volatile organic compounds

PAHs - polycyclic aromatic hydrocarbons

Total BTEX and Total PAHs are calculated using detects only.

NYS AWQS - New York State Ambient Water Quality Standards and Guidance Values for GA groundwater

* indicates the value is a guidance value and not a standard

Historic Minimum, Maximum and Mean calculations do not include data from the current quarter.

During the First and Second Quarter 2003 sampling events, select wells were sampled via bladder pump and peristaltic pump.

In these cases, peristaltic pump results are shown on the table.

**Some wells were sampled more than once during the quarter. For Q3 2009, Total BTEX and Total PAHs concentrations reported in the historic tables represent the sample collected closest to the end of the quarter.

Hits only. Analytes are reported only if the compound was detected in the short or expanded analyte list during the Q3 2009 sampling timeframe

-- not analyzed or not applicable

NE - not established

NA - not analyzed

ND - not detected; total concentration is listed as ND because no compounds were detected in the group

Bolding indicates a detected concentration

Shading and bolding indicates that the detected concentration is above the NYS AWQS objective it was compared to

J - estimated value

U - indicates not detected to the reporting limit for organic analysis and the method detection limit for inorganic analysis

UJ - not detected at or above the reporting limit shown and the reporting limit is estimated

R - rejected

Table 2-1
 Summary of DNAPL Removal for Recovery Well BBRW-02
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 1 (OU-1)

Date	DNAPL Thickness (feet)		DNAPL Removed (Gallons)	Event Description
	Initial	Final		
9/14/2006	5.0	-	-	Initial Gauging Event
1/27/2006	-	-	-	Blackhawk Pump Installed
2/7/2006	8.3	4.4	5.73	Initial Pump Test Start
2/16/2006	6.5	-	-	Initial Pump Test Gauging Event
3/9/2006	8.1	3.3	7.05	Confirmation Test 1
3/31/2006	8.5	3.4	7.49	Confirmation Test 2
4/10/2006	8.5	-	-	Pump not achieving flow. Test Suspended
4/19/2006	8.5	-	-	Pump not achieving flow.. Test Suspended
5/18/2006	8.5	-	-	Manufacturer Maintenance Visit. Test Suspended
6/1/2006	8.5	-	-	Pump not achieving flow. Test Suspended
6/14/2006	8.5	3.3	7.64	Pump Motor Replaced - Confirmation Test 3
6/21/2006	8.6	2.0	9.69	Confirmation Test 4
7/12/2006	8.4	2.3	8.96	Demonstration for NYSDEC & SCDHS
7/27/2006	8.6	3.3	7.78	Scheduled Operation 1
8/8/2006	7.4	4.0	4.99	Scheduled Operation 2
8/24/2006	8.4	3.3	7.49	Scheduled Operation 3
9/6/2006	8.3	3.3	7.34	Scheduled Operation 4
10/2/2006	8.4	3.8	6.76	Scheduled Operation 5
10/16/2006	8.1	4.1	5.87	Scheduled Operation 6
10/27/2006	8.7	3.2	8.08	Scheduled Operation 7
11/3/2006	6.4	3.4	4.41	Scheduled Operation 8
11/17/2006	8.7	3.3	7.93	Scheduled Operation 9
12/1/2006	8.5	5.2	4.85	Scheduled Operation 10
12/14/2006	7.9	4.5	4.99	Scheduled Operation 11
12/29/2006	8.4	3.2	7.64	Scheduled Operation 12
1/11/2007	8.2	5.3	4.26	Scheduled Operation 13
1/25/2007	7.0	4.5	3.67	Scheduled Operation 14
2/12/2007	7.2	3.7	5.14	Scheduled Operation 15
2/26/2007	7.3	4.2	4.55	Scheduled Operation 16
3/12/2007	8.4	4.5	5.73	Scheduled Operation 17
3/30/2007	8.0	3.5	6.61	Scheduled Operation 18
4/13/2007	6.7	4.0	3.97	Scheduled Operation 19
4/26/2007	7.6	4.5	4.55	Scheduled Operation 20
5/9/2007	7.6	5.5	3.08	Scheduled Operation 21
5/25/2007	7.8	5.6	3.23	Scheduled Operation 22
6/5/2007	6.6	4.2	3.52	Scheduled Operation 23
6/22/2007	6.0	4.1	2.79	Scheduled Operation 24
7/9/2007	6.8	4.3	3.67	Scheduled Operation 25
7/24/2007	6.8	4.6	3.23	Scheduled Operation 26
8/10/2007	7.8	4.8	4.41	Scheduled Operation 27
8/24/2007	7.0	5.0	2.94	Scheduled Operation 28
9/13/2007	7.0	4.4	3.82	Scheduled Operation 29
9/27/2007	7.0	5.0	2.94	Scheduled Operation 30
10/11/2007	7.0	5.5	2.20	Scheduled Operation 31
10/26/2007	7.5	4.0	5.14	Scheduled Operation 32
11/8/2007	7.0	5.3	2.50	Scheduled Operation 33
11/27/2007	7.4	5.1	3.38	Scheduled Operation 34
12/14/2007	7.6	6.0	2.35	Scheduled Operation 35

Table 2-1
 Summary of DNAPL Removal for Recovery Well BBRW-02
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 1 (OU-1)

Date	DNAPL Thickness (feet)		DNAPL Removed (Gallons)	Event Description
	Initial	Final		
1/2/2008	7.0	5.0	2.94	Scheduled Operation 36
1/18/2008	7.5	5.0	3.67	Scheduled Operation 37
2/1/2008	7.3	5.7	2.35	Scheduled Operation 38
2/15/2008	7.6	4.6	4.41	Scheduled Operation 39
2/29/2008	7.2	5.6	2.35	Scheduled Operation 40
3/28/2008	6.8	4.5	3.38	Scheduled Operation 41
4/18/2008	6.8	5.4	2.06	Scheduled Operation 42
5/9/2008	7.1	4.4	3.97	Scheduled Operation 43
6/5/2008	6.0	4.0	2.94	Scheduled Operation 44
6/22/2008	6.9	4.7	3.23	Scheduled Operation 45
7/14/2008	5.1	3.1	2.94	Scheduled Operation 46
8/7/2008	8.1	5.1	4.41	Scheduled Operation 47
9/8/2008	8.0	3.8	6.24	Scheduled Operation 48
10/2/2008	8.6	5.8	4.11	Scheduled Operation 49
10/24/2008	5.5	5.0	0.73	Scheduled Operation 50
11/21/2008	6.6	5.9	1.03	Scheduled Operation 51
12/23/2008	8.1	4.5	5.29	Scheduled Operation 52
1/12/2009	8.5	6.9	2.35	Scheduled Operation 53
2/2/2009	7.3	5.1	3.23	Scheduled Operation 54
2/20/2009	6.3	4.1	3.23	Scheduled Operation 55
3/13/2009	7.5	4.9	3.82	Scheduled Operation 56
4/3/2009	7.6	5.4	3.23	Scheduled Operation 57
4/24/2009	7.2	5.1	3.08	Scheduled Operation 58
5/15/2009	7.3	5.6	2.50	Scheduled Operation 59
6/8/2009	7.2	4.7	3.67	Scheduled Operation 60
6/29/2009	7.2	4.9	3.38	Scheduled Operation 61
7/23/2009	7.3	5.4	2.79	Scheduled Operation 62
8/20/2009	7.1	6.3	1.17	Scheduled Operation 63
9/11/2009	6.6	4.9	2.50	Scheduled Operation 64
Total			303.36	

Notes:

1. DNAPL measurements were made using a dedicated tape. The smear of DNAPL on the tape is measured to determine DNAPL thickness.
2. Total volume calculated by multiplying the thickness by the cross-sectional area of the well. This is an estimate of the minimum volume removed.
3. DNAPL recovery operations were limited during Q3 2009 due to construction activity on the site.

Table 2-2
 Summary of Measured DNAPL Thickness
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 1 (OU-1)

Gauging Date	3/1/2007	3/9/2007	3/16/2007	3/23/2007	3/30/2007	4/6/2007	4/13/2007	4/20/2007	4/26/2007	5/4/2007	5/10/2007	5/18/2007	5/25/2007	5/31/2007	6/8/2007	6/15/2007	6/22/2007	
Well I.D.:	NAPL Thickness (ft)																	
RW - 01																		
DTW:	9.2'	Well Abandoned																
LNAPL:	NM	Well Abandoned																
DNAPL:	3'	Well Abandoned																
RW - 02																		
DTW:	NM	NM	NM	Cover	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	4.5'	NM	NM	
LNAPL:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	
DNAPL:	5.5'	5.5'	5.5'	5.7'	8'	6.2'	6.7'	5.2'	4.7'	6.7'	5.6'	6.1'	7.8'	6.1'	NM	5.5'	6.4'	
RW - 03																		
DTW:	8.4'	6.5'	NM	6.3'	6.6'	6.5'	6.0'	5.9'	6.3'	NO ACCESS	6.3'	6.3'	6.6'	6.7'	6.4'	6.7'	6.8'	
LNAPL:	NM	NM	NM	NM	NM	NM	NO*	NO*	NO*		NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	NO*	NO*	NO*	NM	NM	NM	NO*	NO*	NO*		NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
RW - 04																		
DTW:	9.8'	9.6'	9.6'	9.3'	9.6'	9.2'	9.1'	8.9'	9.5'	9.5'	9.6'	9.5'	9.8'	10.0'	9.6'	9.9'	10.1'	
LNAPL:	NO*	NO*	NO*	NM	NO*	NM	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	
DNAPL:	NO*	NM	NM	NM	NO*	NM	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	
RW - 05																		
DTW:	7.9'	7.7'	7.6'	7.6'	7.7'	7.3'	7.1'	6.9'	7.6'	7.5'	7.9'	7.8'	7.9'	8.3'	8.0'	8.30'	8.5'	
LNAPL:	NM	NO*	NO*	NM	NM	NM	NM	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	
DNAPL:	NO*	NM	NM	NM	NM	NM	NM	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	
BBMW - 05D																		
DTW:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	
LNAPL:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	
DNAPL:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	
BBMW - 20D																		
DTW:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	
LNAPL:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	
DNAPL:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	
BBMW - 22D																		
DTW:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	
LNAPL:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	
DNAPL:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	

Table 2-2
Summary of Measured DNAPL Thickness
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 1 (OU-1)

Gauging Date	6/29/2007	7/3/2007	7/13/2007	7/20/2007	8/3/2007	8/10/2007	8/17/2007	8/23/2007	8/31/2007	9/7/2007	9/14/2007	9/21/2007	9/28/2007	10/5/2007	10/11/2007	10/26/2007	10/31/2007	
Well I.D.:																		
NAPL Thickness (ft)																		
RW - 01																		
DTW:																		
LNAPL:	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	
DNAPL:																		
RW - 02																		
DTW:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NO*	NM	NM	NM	
LNAPL:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NO*	NM	NM	NM	
DNAPL:	4.7'	6.8'	5.0'	6.8'	6.5'	6.5'	6.5'	6.8'	6.5'	6.4'	7.0'	7.8'	7.0'	6.4'	7.2'	7.0'	6.6'	
RW - 03																		
DTW:	6.7'	7.0'	NO ACCESS	NO ACCESS	7.2'	NO ACCESS	NO ACCESS	NO ACCESS	NO ACCESS	NO ACCESS	NO ACCESS	NO ACCESS	7.3'	7.4'	7.1'	7.6'	7.4'	7.4'
LNAPL:	NO*	NO*			NO*								NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	NO*	NO*			NO*								NO*	NO*	NO*	NO*	NO*	NO*
RW - 04																		
DTW:	10.0'	10.3'	10.5'	10.0'	10.1'	9.9'	10.1'	9.9'	10.2'	10.5'	10.4'	10.6'	10.65'	10.8'	10.5'	10.7'	10.7'	
LNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	
DNAPL:	NO*	NO*	0.1'	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	
RW - 05																		
DTW:	8.4'	8.7'	8.9'	8.4'	8.5'	8.3'	8.6'	8.3'	8.5'	8.9'	11.6'	9.0'	6.1'	9.3'	9.3'	9.2'	9.15'	
LNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	
DNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	
BBMW - 05D																		
DTW:	NM	NM	NO ACCESS	11.2'	11.2'	11.1'	11.3'	11.1'	11.4'	11.6'	11.7'	11.8'	11.9'	11.8'	11.8'	11.9'	11.8'	
LNAPL:	NM	NM		<0.1'	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	NM	NM		NO*	<0.1'	<0.1'	<0.1'	<0.1'	<0.1'	<0.1'	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
BBMW - 20D																		
DTW:	NM	NM	NO ACCESS	NO ACCESS	NO ACCESS	NO ACCESS	NO ACCESS	NO ACCESS	NO ACCESS	NO ACCESS	NO ACCESS	NO ACCESS	NO ACCESS	NO ACCESS	NO ACCESS	NO ACCESS	NO ACCESS	
LNAPL:	NM	NM																10.1'
DNAPL:	NM	NM																NO*
BBMW - 22D																		
DTW:	NM	NM	10.2'	10.0'	10.0'	9.9'	10.1'	9.9'	10.2'	10.4'	NO*	NO*	NO*	NO*	NM	NM	NM	
LNAPL:	NM	NM	NO*	NO*	NO*	NO*	NO*	NO*	NM	NO*	NO*	NO*	NO*	NO*	NM	NM	NM	
DNAPL:	NM	NM	5.5'	5.3'	5'	3'	5.5'	5.5'	6'	3'	5.0'	5.2'	6.0'	5.0'	6.1'	6.0'	5.8'	

Table 2-2
Summary of Measured DNAPL Thickness
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 1 (OU-1)

Gauging Date	11/7/2007	11/8/2007	11/16/2007	12/7/2007	12/14/2007	12/21/2007	12/28/2007	1/7/2008	1/11/2008	1/17/2008	1/25/2008	2/1/2008	2/8/2008	2/15/2008	2/22/2008	2/29/2008	3/7/2008
Well I.D.:																	
NAPL Thickness (ft)																	
RW - 01																	
DTW:																	
LNAPL:	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
DNAPL:																	
RW - 02																	
DTW:	NM	NM	NM	NO*	NO*	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
LNAPL:	NM	NM	NM	NO*	NO*	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
DNAPL:	NM	7.0'	7.2'	6.5'	7.6'	6.5'	7.5'	5.6'	5.0'	6.8'	6.6'	7.3'	6.3'	6.1'	6.2'	7.2'	5.3'
RW - 03																	
DTW:	NO ACCESS	NM	7.5'	7.2'	7.0'	9.8'	7.5'	6.9'	6.9'	6.7'	6.7'	6.98'	6.5'	6.8'	NM	6.3'	6.3'
LNAPL:		NM	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NM	NO*	NO*
DNAPL:		NM	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NM	NO*
RW - 04																	
DTW:	10.6'	NM	10.8'	10.6'	NM	10.1'	10.8'	10.2'	9.9'	10.0	9.9'	10.1'	9.8'	9.1'	9.4'	9.6'	9.6'
LNAPL:	NM	NM	NO*	NO*	NM	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	NM	NM	NO*	NO*	NM	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
RW - 05																	
DTW:	9.1'	NM	9.1'	9.0'	8.9'	8.9'	9.0'	8.6'	8.4'	8.4'	8.4'	8.6'	8.2'	7.4'	7.9'	9.0'	8.0'
LNAPL:	NM	NM	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	NM	NM	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
BBMW - 05D																	
DTW:	11.9'	NM	12.0'	11.7'	11.4'	11.3'	12.0'	11.4'	11.2	11.2'	11.1'	11.3'	10.9'	10.2'	10.6'	10.7'	10.8'
LNAPL:	NM	NM	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	NM	NM	<0.1'	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	coating (<1/8')
BBMW - 20D																	
DTW:																	
LNAPL:	NO ACCESS	NO ACCESS	NO ACCESS	NO ACCESS	NO ACCESS	NO ACCESS	NO ACCESS	NO ACCESS	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged
DNAPL:																	
BBMW - 22D																	
DTW:	NM	NO*	NM	NO*	10.2	10.0'	NO*	NO*	9.9'	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
LNAPL:	NM	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	NM	5.9'	6.5'	4.2'	6.6'	6.7'	6.5'	5.1'	5.0'	5.8'	5.0'	5.8'	5.8'	5.3'	5.7'	5.4'	5.4'

Table 2-2
 Summary of Measured DNAPL Thickness
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 1 (OU-1)

Gauging Date	3/17/2008	3/21/2008	3/28/2008	4/3/2008	4/11/2008	4/18/2008	4/24/2008	5/2/2008	5/9/2008	5/16/2008	5/23/2008	5/30/2008	6/5/2008	6/13/2008	6/20/2008	6/27/2008	7/3/2008		
Well I.D.:																			
	NAPL Thickness (ft)																		
RW - 01																			
DTW:																			
LNAPL:	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned		
DNAPL:																			
RW - 02																			
DTW:	NM	NM	NM	NO*	8.6'	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NM		
LNAPL:	NM	NM	NM	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*		
DNAPL:	6.0'	7.5'	5.0'	5.0'	6.0'	6.8'	5.3'	6.6'	7.1'	5.5'	6.4'	6.6'	6.0'	5.5'	6.8'	5.3'	4.10'		
RW - 03																			
DTW:	6.0'	5.7	6.1'	6.3'	6.24'	6.3'	6.7'	NO ACCESS	6.4'	6.4'	6.3'	NO ACCESS	6.25'	6.6'	6.6'	6.6'	6.92'		
LNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*		NO*	NO*	NO*		NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*		NO*	NO*	0.1'		NO*	NO*	NO*	NO*	NO*	NO*	NO*
RW - 04																			
DTW:	9.3'	6.0'	9.4'	9.6'	9.5'	9.6'	10.0'	9.4'	9.7'	9.7'	9.9'	9.7'	9.58'	9.8'	9.9'	9.9'	10.28'		
LNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*		
DNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*		
RW - 05																			
DTW:	9.0'	7.5'	7.8'	8.0'	7.9'	8.1'	8.4'	8.0'	8.9'	8.1'	8.1'	8.1'	8.0'	5.2'	8.4'	8.2'	8.78'		
LNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*		
DNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*		
BBMW - 05D																			
DTW:	10.3'	10.2'	10.6'	10.8'	10.7'	11.87'	10.3'	10.8'	11.0'	10.9'	10.9'	10.8'	10.7'	11.0'	11.2'	10.9'	11.56'		
LNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*		
DNAPL:	0.1'	0.01'	0.1'	NO*	Trace	NO*	NO*	NO*	NO*	NO*	NO*	NO*	0.1'	0.1'	0.1'	NO*	NO*		
BBMW - 20D																			
DTW:																			
LNAPL:	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged		
DNAPL:																			
BBMW - 22D																			
DTW:	NO*	NO*	NO*	NO*	9.3'	NO*	NO*	9.3'	9.4'	9.7'	NO*	NO*	NO*	NO*	NO*	NO*	NM		
LNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NM		
DNAPL:	5.6'	4.9'	5.8'	7.3'	5.0'	4.7'	5.1'	4.8'	4.1'	4.1'	5.6'	5.1'	4.0'	4.7'	5.6'	4.2'	4.8'		

Table 2-2
 Summary of Measured DNAPL Thickness
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 1 (OU-1)

Gauging Date	7/14/2008	7/18/2008	7/25/2008	8/1/2008	8/8/2008	8/15/2008	8/22/2008	9/2/2008	9/8/2008	9/12/2008	9/19/2008	9/25/2008	10/6/2008	10/13/2008	10/20/2008	10/24/2008	10/29/2008
Well I.D.:																	
NAPL Thickness (ft)																	
RW - 01																	
DTW:																	
LNAPL:	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
DNAPL:																	
RW - 02																	
DTW:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
LNAPL:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
DNAPL:	5.10'	4.4'	4.2'	6.5'	5.7'	5.8'	6.3'	6.5'	8.0'	6.0'	6.50'	5.6'	5.8	5.11	5.7	5.5	5.3
RW - 03																	
DTW:	7.12'	7.24'	7.11'	7.04'	6.98'	7.15'	7.21'	7.47'	6.89'	6.92'	6.94'	7.21'	6.24	6.67	6.82	6.92	6.09
LNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	>0.01'	NO*	NO*	NO*	NO*	NO*
RW - 04																	
DTW:	10.38'	10.52'	10.37'	10.32'	10.26'	10.44'	10.49'	10.76'	10.17'	10.20'	10.36'	10.51'	9.97	9.94	10.11	10.2	9.3
LNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
RW - 05																	
DTW:	8.76'	8.98'	8.71'	8.80'	8.70'	8.89'	8.98'	9.26'	8.63'	8.69'	8.86'	9.01'	7.98	8.44	8.62	8.71	7.72
LNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
BBMW - 05D																	
DTW:	11.50'	11.73'	11.45'	11.55'	11.54'	11.75'	11.69'	11.96'	11.36'	11.39'	11.57'	11.69'	10.68	11.15	11.3	11.41	10.48
LNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	NO*	0.01'	0.01'	Trace	0.01'	NO*	Trace	Trace	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
BBMW - 20D																	
DTW:																	
LNAPL:	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged
DNAPL:																	
BBMW - 22D																	
DTW:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
LNAPL:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
DNAPL:	4.6'	4.9'	5.8'	4.5'	5.1'	4.9'	4.1'	6.0'	5.0'	5.10'	5.30'	5.9'	5.75	4.7	5.2	4.75	5.7

Table 2-2
 Summary of Measured DNAPL Thickness
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 1 (OU-1)

Gauging Date	11/10/2008	11/14/2008	11/21/2008	11/26/2008	12/4/2008	12/12/2008	12/19/2008	12/24/2008	1/9/2009	1/16/2009	1/23/2009	2/2/2009	2/6/2009	2/13/2009	2/20/2009	2/27/2009	3/6/2009
Well I.D.:	NAPL Thickness (ft)																
RW - 01																	
DTW:																	
LNAPL:	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
DNAPL:																	
RW - 02																	
DTW:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
LNAPL:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
DNAPL:	5.5	5.1	5.9	6.2	6.6	6.8	6.0	6.5	6.9	6.9	6.8	5.1	5.7	5.9	6.3	4.7	6.2
RW - 03																	
DTW:	6.41	6.48	6.35	6.2	6.25	4.87	7.65	5.65	5.70	6.04	6.22	6.12	6.31	6.34	6.18	6.40	6.34
LNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
RW - 04																	
DTW:	9.68	9.77	9.65	9.46	4.52	8.17	8.95	8.96	8.93	9.35	9.47	9.40	9.58	9.64	9.54	9.66	9.65
LNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
RW - 05																	
DTW:	8.16	8.25	8.12	7.91	7.86	6.3	7.39	7.43	7.37	7.81	7.96	7.83	8.04	8.07	8.01	8.15	8.11
LNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
BBMW - 05D																	
DTW:	10.87	10.96	10.83	10.61	10.73	9.2	10.12	10.14	10.00	10.57	10.68	10.58	10.77	10.82	10.72	10.86	10.82
LNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
BBMW - 20D																	
DTW:																	
LNAPL:	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged
DNAPL:																	
BBMW - 22D																	
DTW:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	5.0	NM	NM
LNAPL:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NO*	NM	NM
DNAPL:	5.9	5.2	6.0	5.4	5.7	6.2	5.6	5.3	8.0	6.4	5.9	6.3	6.1	5.7	NO*	4.6	4.8

Table 2-2
 Summary of Measured DNAPL Thickness
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 1 (OU-1)

Gauging Date	3/13/2009	3/19/2009	3/27/2009	4/3/2009	4/10/2009	4/17/2009	4/24/2009	5/1/2009	5/8/2009	5/26/2009	5/29/2009	6/8/2009	6/12/2009	6/19/2009	6/26/2009	7/2/2009	7/10/2009
Well I.D.:																	
NAPL Thickness (ft)																	
RW - 01																	
DTW:																	
LNAPL:	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
DNAPL:																	
RW - 02																	
DTW:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
LNAPL:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
DNAPL:	4.9	5.2	5.9	5.4	6.1	6.2	7.2	6.5	6.0	6.6	6.2	4.7	5.7	7.2	6.9	5.2	7.1
RW - 03																	
DTW:	6.30	6.36	6.48	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
LNAPL:	NO*	NO*	NO*	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
DNAPL:	NO*	NO*	NO*	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
RW - 04																	
DTW:	9.56	9.71	9.75	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
LNAPL:	NO*	NO*	NO*	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
DNAPL:	NO*	NO*	NO*	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
RW - 05																	
DTW:	8.05	8.18	8.21	7.95	7.92	7.92	7.65	7.98	7.29	8.10	7.72	7.69	6.98	7.09	7.19	7.55	7.75
LNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
BBMW - 05D																	
DTW:	10.75	10.87	10.96	10.39	10.64	10.61	10.96	10.66	9.98	10.82	10.49	10.42	9.77	9.82	9.89	10.24	10.45
LNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	NO*	0.1	0.05	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	NO*	0.10	0.10	0.10	0.10	0.10
BBMW - 20D																	
DTW:																	
LNAPL:	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged
DNAPL:																	
BBMW - 22D																	
DTW:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
LNAPL:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
DNAPL:	3.9	4.2	5.4	4.3	5.3	4.9	4.8	4.7	4.9	4.7	4.9	5.1	5.2	5.1	5.1	4.6	4.9

Table 2-2
Summary of Measured DNAPL Thickness
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 1 (OU-1)

Gauging Date	7/17/2009	7/24/2009	8/7/2009	8/14/2009	8/20/2009	8/28/2009	9/4/2009	9/11/2009	9/17/2009	9/28/2009
Well I.D.:	NAPL Thickness (ft)									
RW - 01										
DTW:	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
LNAPL:	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
DNAPL:	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
RW - 02										
DTW:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
LNAPL:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
DNAPL:	7.2	6.6	7.2	6.9	6.3	6.5	6.3	4.9	6.0	6.3
RW - 03										
DTW:	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
LNAPL:	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
DNAPL:	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
RW - 04										
DTW:	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
LNAPL:	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
DNAPL:	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
RW - 05										
DTW:	NM	7.07	8.28	8.31	8.41	9.03	8.76	8.93	8.82	8.62
LNAPL:	NM	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	NM	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
BBMW - 05D										
DTW:	10.70	9.84	10.77	9.92	11.12	11.39	12.46	11.62	10.15	10.18
LNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	0.10	0.10	NO*	NO*	NO*	NO*	0.10	Trace	NO*	Trace
BBMW - 20D										
DTW:	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged
LNAPL:	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged
DNAPL:	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged
BBMW - 22D										
DTW:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
LNAPL:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
DNAPL:	5.3	4.9	4.7	4.1	5.1	5.0	4.9	4.7	4.5	4.9

Notes:
NO* = Not Observed
NM = Not Measured

Table 2-3
 Summary of Groundwater Parameter Data
 OU-1 Oxygen Injection System
 Bay Shore /Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 1 (OU-1)

Monitoring Well	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08
Conductivity (mS/cm)										
OZMW-16D	--	1.890	--	--	--	2.220	--	2.010	--	--
OZMW-16I	--	--	--	--	--	0.725	--	0.938	--	--
OZMW-16I2	0.296	--	--	--	--	0.509	--	0.812	--	--
OZMW-16S	0.440	--	--	--	--	0.822	--	0.968	--	--
OZMW-17D	--	0.994	1.210	0.878	0.826	1.460	0.810	0.588	0.876	0.858
OZMW-17I	0.689	--	0.504	0.618	0.628	0.999	0.493	0.370	0.505	0.568
OZMW-17I2	0.237	--	0.147	0.180	0.174	0.345	0.184	0.192	0.319	0.357
OZMW-17S	0.587	--	0.742	0.720	0.693	0.999	0.532	0.560	0.871	1.000
OZMW-18D	--	1.760	--	--	--	1.580	--	1.790	--	--
OZMW-18I	0.496	--	--	--	--	0.595	--	0.531	--	--
OZMW-18I2	0.482	--	--	--	--	0.790	--	0.949	--	--
OZMW-18S	0.405	--	--	--	--	0.826	--	0.678	--	--
OZMW-22D	--	--	--	--	--	0.193	--	0.201	--	--
OZMW-22I	--	--	--	--	--	0.447	--	0.562	--	--
OZMW-22I2	--	--	--	--	--	0.494	--	0.670	--	--
OZMW-22S	--	--	--	--	--	1.050	--	1.530	--	--
OZMW-25D	--	--	--	--	--	--	--	--	--	--
OZMW-25I	--	--	--	--	--	--	--	--	--	--
OZMW-25I2	--	--	--	--	--	--	--	--	--	--
OZMW-25S	--	--	--	--	--	--	--	--	--	--
Dissolved Oxygen (mg/L)										
OZMW-16D	--	0.0	--	--	--	0.0	--	0.0	--	--
OZMW-16I	--	--	--	--	--	20.0	--	20.0	--	--
OZMW-16I2	0.0	--	--	--	--	1.4	--	0.0	--	--
OZMW-16S	0.0	--	--	--	--	20.0	--	20.0	--	--
OZMW-17D	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OZMW-17I	0.0	--	6.0	35.0	21.0	20.0	19.0	24.0	25.0	28.0
OZMW-17I2	0.0	--	0.0	5.0	5.0	7.4	7.0	5.0	3.0	3.0
OZMW-17S	0.0	--	14.0	22.0	21.0	20.0	19.0	8.0	3.0	6.0
OZMW-18D	--	0.0	--	--	--	0.0	--	0.0	--	--
OZMW-18I	0.0	--	--	--	--	0.0	--	4.6	--	--
OZMW-18I2	0.0	--	--	--	--	0.0	--	8.8	--	--
OZMW-18S	0.0	--	--	--	--	17.4	--	20.0	--	--
OZMW-22D	--	--	--	--	--	0.0	--	0.0	--	--
OZMW-22I	--	--	--	--	--	0.0	--	0.0	--	--
OZMW-22I2	--	--	--	--	--	0.0	--	0.0	--	--
OZMW-22S	--	--	--	--	--	0.0	--	0.0	--	--
OZMW-25D	--	--	--	--	--	--	--	--	--	--
OZMW-25I	--	--	--	--	--	--	--	--	--	--
OZMW-25I2	--	--	--	--	--	--	--	--	--	--
OZMW-25S	--	--	--	--	--	--	--	--	--	--
Oxidation Reduction Potential (mV)										
OZMW-16D	--	-48	--	--	--	73	--	43	--	--
OZMW-16I	--	--	--	--	--	224	--	113	--	--
OZMW-16I2	86	--	--	--	--	189	--	109	--	--
OZMW-16S	-108	--	--	--	--	138	--	76	--	--
OZMW-17D	--	13	36	17	-34	26	21	35	-38	-76
OZMW-17I	-144	--	35	89	77	58	62	16	104	47
OZMW-17I2	110	--	106	127	122	179	144	114	149	51
OZMW-17S	-137	--	144	58	76	42	49	-34	12	-28
OZMW-18D	--	-93	--	--	--	-109	--	-114	--	--
OZMW-18I	-168	--	--	--	--	-61	--	-46	--	--
OZMW-18I2	-54	--	--	--	--	-52	--	-25	--	--
OZMW-18S	-112	--	--	--	--	-40	--	0	--	--
OZMW-22D	--	--	--	--	--	110	--	67	--	--
OZMW-22I	--	--	--	--	--	185	--	70	--	--
OZMW-22I2	--	--	--	--	--	183	--	92	--	--
OZMW-22S	--	--	--	--	--	-137	--	-154	--	--
OZMW-25D	--	--	--	--	--	--	--	--	--	--
OZMW-25I	--	--	--	--	--	--	--	--	--	--
OZMW-25I2	--	--	--	--	--	--	--	--	--	--
OZMW-25S	--	--	--	--	--	--	--	--	--	--

Table 2-3
 Summary of Groundwater Parameter Data
 OU-1 Oxygen Injection System
 Bay Shore /Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 1 (OU-1)

Monitoring Well	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08
pH										
OZMW-16D	--	5.65	--	--	--	5.04	--	4.99	--	--
OZMW-16I	--	--	--	--	--	5.54	--	5.86	--	--
OZMW-16I2	5.25	--	--	--	--	5.08	--	5.37	--	--
OZMW-16S	6.23	--	--	--	--	6.35	--	6.14	--	--
OZMW-17D	--	5.31	5.73	5.44	5.36	5.28	5.35	5.28	6.07	6.00
OZMW-17I	6.69	--	6.97	6.71	6.67	6.75	6.73	6.68	6.78	6.10
OZMW-17I2	6.09	--	6.65	6.06	6.03	5.96	5.92	0.19	6.00	5.77
OZMW-17S	6.42	--	6.60	6.59	6.54	6.61	6.58	6.48	6.99	6.44
OZMW-18D	--	5.83	--	--	--	6.14	--	5.71	--	--
OZMW-18I	6.55	--	--	--	--	6.37	--	5.84	--	--
OZMW-18I2	6.35	--	--	--	--	6.46	--	7.76	--	--
OZMW-18S	6.34	--	--	--	--	6.25	--	5.78	--	--
OZMW-22D	--	--	--	--	--	5.22	--	4.92	--	--
OZMW-22I	--	--	--	--	--	6.05	--	5.55	--	--
OZMW-22I2	--	--	--	--	--	6.10	--	5.57	--	--
OZMW-22S	--	--	--	--	--	6.53	--	6.01	--	--
OZMW-25D	--	--	--	--	--	--	--	--	--	--
OZMW-25I	--	--	--	--	--	--	--	--	--	--
OZMW-25I2	--	--	--	--	--	--	--	--	--	--
OZMW-25S	--	--	--	--	--	--	--	--	--	--
Temperature (degrees Celcius)										
OZMW-16D	--	12.6	--	--	--	13.6	--	15.6	--	--
OZMW-16I	--	--	--	--	--	15.7	--	16.2	--	--
OZMW-16I2	12.7	--	--	--	--	15.5	--	16.1	--	--
OZMW-16S	11.0	--	--	--	--	18.4	--	18.9	--	--
OZMW-17D	--	11.9	14.1	15.7	17.0	15.6	16.9	15.7	14.2	13.3
OZMW-17I	13.0	--	13.7	15.7	16.3	17.5	17.2	16.4	15.9	14.7
OZMW-17I2	12.9	--	13.7	15.5	17.3	15.4	17.3	15.3	15.2	14.5
OZMW-17S	10.9	--	12.6	14.6	18.1	19.0	19.8	19.4	17.9	15.6
OZMW-18D	--	11.7	--	--	--	14.7	--	17.1	--	--
OZMW-18I	11.9	--	--	--	--	16.6	--	17.6	--	--
OZMW-18I2	12.5	--	--	--	--	15.7	--	23.5	--	--
OZMW-18S	9.4	--	--	--	--	18.0	--	20.6	--	--
OZMW-22D	--	--	--	--	--	14.2	--	16.9	--	--
OZMW-22I	--	--	--	--	--	14.6	--	17.4	--	--
OZMW-22I2	--	--	--	--	--	14.1	--	16.8	--	--
OZMW-22S	--	--	--	--	--	17.7	--	17.4	--	--
OZMW-25D	--	--	--	--	--	--	--	--	--	--
OZMW-25I	--	--	--	--	--	--	--	--	--	--
OZMW-25I2	--	--	--	--	--	--	--	--	--	--
OZMW-25S	--	--	--	--	--	--	--	--	--	--

Table 2-3
 Summary of Groundwater Parameter Data
 OU-1 Oxygen Injection System
 Bay Shore /Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 1 (OU-1)

Monitoring Well	Dec-08	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09
Conductivity (mS/cm)										
OZMW-16D	6.690	--	--	2.100	--	--	1.130	--	--	0.386
OZMW-16I	0.630	--	--	0.780	--	--	0.504	--	--	0.479
OZMW-16I2	0.999	--	--	0.750	--	--	0.603	--	--	0.579
OZMW-16S	0.551	--	--	0.710	--	--	0.450	--	--	0.569
OZMW-17D	1.270	0.720	0.805	0.849	0.959	0.940	1.160	0.744	0.784	1.57
OZMW-17I	0.785	0.672	0.717	0.607	0.690	0.688	0.489	0.481	0.487	0.656
OZMW-17I2	0.900	0.366	0.350	0.392	0.857	0.558	0.360	0.346	0.373	0.502
OZMW-17S	1.130	1.210	1.100	1.320	0.098	0.092	0.809	0.727	0.625	0.75
OZMW-18D	4.100	--	--	2.020	--	--	1.590	--	--	1.61
OZMW-18I	0.496	--	--	0.626	--	--	0.580	--	--	0.639
OZMW-18I2	0.879	--	--	0.686	--	--	0.571	--	--	0.518
OZMW-18S	0.675	--	--	1.300	--	--	0.567	--	--	0.403
OZMW-22D	0.142	--	--	0.220	--	--	0.227	--	--	0.168
OZMW-22I	0.481	--	--	0.396	--	--	0.420	--	--	0.351
OZMW-22I2	0.540	--	--	0.574	--	--	0.441	--	--	0.364
OZMW-22S	0.930	--	--	0.990	--	--	1.140	--	--	1.3
OZMW-25D	--	--	--	--	--	--	0.341	--	--	0.236
OZMW-25I	--	--	--	--	--	--	0.563	--	--	0.826
OZMW-25I2	--	--	--	--	--	--	0.334	--	--	0.472
OZMW-25S	--	--	--	--	--	--	0.487	--	--	0.634
Dissolved Oxygen (mg/L)										
OZMW-16D	0.0	--	--	0.0	--	--	0.0	--	--	0.0
OZMW-16I	20.0	--	--	44.0	--	--	19.6	--	--	20.0
OZMW-16I2	0.0	--	--	1.9	--	--	0.0	--	--	0.0
OZMW-16S	20.0	--	--	32.0	--	--	16.9	--	--	20.0
OZMW-17D	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
OZMW-17I	1.7	0.0	1.8	26.0	14.0	13.0	9.4	16.0	15.0	20.0
OZMW-17I2	2.0	0.0	0.0	2.2	0.0	0.0	2.0	2.0	6.0	4.0
OZMW-17S	3.0	1.0	18.0	20.0	17.0	15.0	3.0	12.0	13.0	15.0
OZMW-18D	0.0	--	--	0.0	--	--	0.0	--	--	0.0
OZMW-18I	0.8	--	--	1.5	--	--	0.0	--	--	7.3
OZMW-18I2	0.0	--	--	0.0	--	--	0.0	--	--	0.0
OZMW-18S	9.4	--	--	31.0	--	--	19.8	--	--	16.8
OZMW-22D	0.0	--	--	0.0	--	--	0.0	--	--	0.0
OZMW-22I	0.0	--	--	0.0	--	--	0.0	--	--	0.0
OZMW-22I2	0.0	--	--	0.0	--	--	0.0	--	--	0.0
OZMW-22S	0.0	--	--	0.0	--	--	0.0	--	--	0.0
OZMW-25D	--	--	--	--	--	--	8.2	--	--	0.0
OZMW-25I	--	--	--	--	--	--	8.3	--	--	0.0
OZMW-25I2	--	--	--	--	--	--	8.2	--	--	0.0
OZMW-25S	--	--	--	--	--	--	8.1	--	--	0.0
Oxidation Reduction Potential (mV)										
OZMW-16D	83	--	--	67	--	--	127	--	--	54
OZMW-16I	180	--	--	121	--	--	207	--	--	94
OZMW-16I2	84	--	--	31	--	--	86	--	--	20
OZMW-16S	139	--	--	109	--	--	123	--	--	74
OZMW-17D	69	7	24	79	55	61	80	103	-102	98
OZMW-17I	-23	-85	-17	87	57	52	30	213	60	111
OZMW-17I2	107	-10	53	94	157	104	120	189	-16	138
OZMW-17S	-61	-23	46	70	78	62	-11	73	51	60
OZMW-18D	-64	--	--	-46	--	--	-32	--	--	-49
OZMW-18I	-66	--	--	-75	--	--	-42	--	--	-27
OZMW-18I2	-92	--	--	-132	--	--	-77	--	--	-152
OZMW-18S	31	--	--	64	--	--	168	--	--	58
OZMW-22D	97	--	--	97	--	--	34	--	--	42
OZMW-22I	170	--	--	114	--	--	83	--	--	41
OZMW-22I2	176	--	--	92	--	--	70	--	--	36
OZMW-22S	-120	--	--	-161	--	--	-182	--	--	-158
OZMW-25D	--	--	--	--	--	--	139	--	--	94
OZMW-25I	--	--	--	--	--	--	134	--	--	-134
OZMW-25I2	--	--	--	--	--	--	106	--	--	113
OZMW-25S	--	--	--	--	--	--	-150	--	--	-182

Table 2-3
 Summary of Groundwater Parameter Data
 OU-1 Oxygen Injection System
 Bay Shore /Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 1 (OU-1)

Monitoring Well	Dec-08	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09
pH										
OZMW-16D	5.04	--	--	4.62	--	--	4.98	--	--	5.12
OZMW-16I	6.14	--	--	5.74	--	--	5.44	--	--	6.08
OZMW-16I2	5.46	--	--	5.06	--	--	5.86	--	--	5.68
OZMW-16S	6.39	--	--	5.86	--	--	6.41	--	--	6.57
OZMW-17D	5.77	5.40	5.33	5.12	5.44	5.19	5.78	5.33	5.50	5.03
OZMW-17I	6.98	6.82	6.57	6.19	6.31	6.33	6.70	6.36	6.48	6.14
OZMW-17I2	6.34	5.92	5.80	5.62	5.81	5.90	5.92	5.93	6.10	5.66
OZMW-17S	6.92	6.62	6.49	6.38	6.65	6.62	7.26	6.61	6.62	6.40
OZMW-18D	5.91	--	--	5.27	--	--	6.52	--	--	5.83
OZMW-18I	6.50	--	--	6.05	--	--	6.66	--	--	6.73
OZMW-18I2	6.43	--	--	6.07	--	--	6.64	--	--	6.89
OZMW-18S	6.38	--	--	5.86	--	--	5.80	--	--	6.23
OZMW-22D	5.48	--	--	5.10	--	--	5.37	--	--	5.47
OZMW-22I	5.84	--	--	5.60	--	--	5.86	--	--	5.96
OZMW-22I2	6.00	--	--	5.80	--	--	6.06	--	--	6.07
OZMW-22S	6.39	--	--	6.15	--	--	6.47	--	--	6.74
OZMW-25D	--	--	--	--	--	--	5.39	--	--	5.72
OZMW-25I	--	--	--	--	--	--	8.78	--	--	7.25
OZMW-25I2	--	--	--	--	--	--	6.35	--	--	6.39
OZMW-25S	--	--	--	--	--	--	8.38	--	--	9.22
Temperature (degrees Celcius)										
OZMW-16D	13.3	--	--	12.4	--	--	14.3	--	--	15.3
OZMW-16I	14.2	--	--	12.5	--	--	14.3	--	--	15.6
OZMW-16I2	13.3	--	--	12.8	--	--	14.8	--	--	16.6
OZMW-16S	14.3	--	--	10.6	--	--	15.0	--	--	18.4
OZMW-17D	12.1	12.3	13.1	12.5	13.4	13.8	15.0	18.5	16.8	15.4
OZMW-17I	13.9	12.5	13.7	13.0	13.0	13.6	15.1	16.7	17.0	16.4
OZMW-17I2	13.1	12.4	13.0	12.3	13.5	13.8	15.5	18.1	17.2	17.0
OZMW-17S	12.6	10.8	11.2	10.9	12.2	14.1	16.7	18.7	18.9	18.7
OZMW-18D	13.9	--	--	13.0	--	--	14.2	--	--	16.1
OZMW-18I	14.8	--	--	12.5	--	--	13.9	--	--	15.5
OZMW-18I2	14.1	--	--	12.9	--	--	14.5	--	--	16.1
OZMW-18S	13.9	--	--	10.6	--	--	14.5	--	--	18.4
OZMW-22D	13.2	--	--	12.6	--	--	14.6	--	--	16.0
OZMW-22I	14.5	--	--	12.9	--	--	14.5	--	--	16.0
OZMW-22I2	13.4	--	--	12.9	--	--	14.7	--	--	15.5
OZMW-22S	14.2	--	--	10.0	--	--	15.2	--	--	19.4
OZMW-25D	--	--	--	--	--	--	16.3	--	--	20.0
OZMW-25I	--	--	--	--	--	--	16.3	--	--	21.5
OZMW-25I2	--	--	--	--	--	--	15.4	--	--	20.8
OZMW-25S	--	--	--	--	--	--	15.3	--	--	24.9

Notes:
 -- Not Recorded
 mS/cm - milli-siemens per centimeter
 mg/L - milligrams per Liter
 mV - milli-volt

Table 2-4
 Water Level Measurements and Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 1 (OU-1)

Well ID	Date of Measurement	Time of Measurement	Well Casing Diameter (inches)	Well Elevation ¹ (feet above MSL)	Depth to Water (feet)	Water Elevation (feet above MSL)	Comments
BBMW-05D	7/13/2009	14:43	2.00	25.37	10.55	14.82	
BBMW-05D2	7/13/2009	14:45	2.00	24.27	8.66	15.61	
BBMW-13D	7/13/2009	13:16	2.00	23.90	8.89	15.01	
BBMW-20D	-	-	1.00	18.69	-	NC	Destroyed
BBMW-20I	-	-	1.00	18.63	-	NC	Destroyed
BBMW-20S	-	-	1.00	18.66	-	NC	Destroyed
BBMW-22D	7/13/2009	14:51	2.00	23.67	9.01	14.66	
BBMW-22I	7/13/2009	14:49	2.00	23.61	8.92	14.69	
BBMW-22S	7/13/2009	14:49	2.00	23.65	8.97	14.68	
BBMW-26I	7/14/2009	8:07	1.00	25.02	8.86	16.16	
BBMW-26S	7/14/2009	8:06	1.00	24.96	8.82	16.14	
BBMW-27I	7/14/2009	8:16	1.00	25.37	9.21	16.16	
BBMW-27S	7/14/2009	8:15	1.00	25.03	8.89	16.14	
MW-03D	7/13/2009	13:15	4.00	22.48	7.50	14.98	
MW-03S	7/13/2009	13:14	4.00	22.59	7.59	15.00	
MW-05D	7/13/2009	14:41	2.00	24.37	9.55	14.82	
MW-05S	7/13/2009	14:40	2.00	24.05	9.23	14.82	
MW-09I	7/14/2009	8:11	2.00	24.71	8.26	16.45	
MW-09S	7/14/2009	8:10	4.00	25.17	8.76	16.41	
OZMW-16S	7/13/2009	14:35	2.00	19.88	5.89	13.99	
OZMW-16I	7/13/2009	14:36	2.00	19.90	5.89	14.01	
OZMW-16I2	7/13/2009	14:37	2.00	19.72	5.70	14.02	
OZMW-16D	7/13/2009	14:38	2.00	20.10	6.08	14.02	
OZMW-17S	7/13/2009	14:50	2.00	19.83	5.80	14.03	
OZMW-17I	7/13/2009	14:51	2.00	19.91	5.89	14.02	
OZMW-17I2	7/13/2009	14:52	2.00	19.86	5.87	13.99	
OZMW-17D	7/13/2009	14:53	2.00	19.88	5.89	13.99	
OZMW-18S	7/13/2009	15:08	2.00	19.56	5.61	13.95	
OZMW-18I	7/13/2009	15:09	2.00	19.98	5.68	14.30	
OZMW-18I2	7/13/2009	15:10	2.00	19.97	5.59	14.38	
OZMW-18D	7/13/2009	15:11	2.00	19.53	5.61	13.92	
OZMW-22S	7/13/2009	14:15	2.00	19.43	5.05	14.38	
OZMW-22I	7/13/2009	14:16	2.00	19.67	5.28	14.39	
OZMW-22I2	7/13/2009	14:17	2.00	19.66	5.30	14.36	
OZMW-22D	7/13/2009	14:18	2.00	19.48	5.16	14.32	

Notes:

- 1 - Well Elevations obtained from 2007 Survey or latter and reference NVGD88 datum
- MSL - Mean Sea Level
- NC - Not Calculated

Table 2-5
 Historic Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 1 (OU-1)

Well Identification	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)								
		October-92	November-99	March-02	June-02	August-02	November-02	March-03	July-03	September-03
BBMW-05D	64.0 - 74.0	NM	13.67	13.42	13.51	12.15	14.25	14.72	14.55	13.70
BBMW-05D2	126.5 - 136.5	NM	NM	14.00	13.82	12.30	14.72	15.54	15.07	14.51
BBMW-13D	62.0 - 72.0	NM	14.05	13.75	14.55	12.48	14.64	15.12	15.15	14.09
BBMW-20S	4.0 - 14.0	NM	NM	NM	12.59	11.28	13.21	13.72	13.56	12.71
BBMW-20I	35.0 - 45.0	NM	NM	NM	12.52	11.22	13.14	13.64	13.48	12.64
BBMW-20D	62.0 - 72.0	NM	NM	NM	12.62	11.32	13.25	13.76	13.62	12.93
BBMW-22S	5.0 - 10.0	NM	NM	13.26	13.34	12.01	13.99	14.52	14.35	13.51
BBMW-22I	30.0 - 40.0	NM	NM	13.26	13.34	12.02	14.01	14.52	14.36	13.42
BBMW-22D	64.0 - 74.0	NM	NM	13.26	13.34	12.01	14.01	14.55	14.37	13.61
BBMW-26S	6.0 - 16.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-26I	30.0 - 40.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-27S	5.0 - 15.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-27I	30.0 - 40.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-03S	3.0 - 13.0	13.81	14.02	13.72	14.51	12.45	14.60	15.10	15.11	14.07
MW-03D	35.0 - 45.0	13.77	14.01	13.72	14.48	12.44	14.59	15.09	15.08	14.06
MW-05S	4.0 - 14.0	17.61	13.75	13.45	13.50	12.16	14.19	14.72	14.55	13.69
MW-05D	35.5 - 45.5	18.51	14.71	14.41	14.51	13.16	15.21	15.73	15.52	14.70
MW-09S	4.0 - 14.0	15.24	15.34	NM	15.08	13.55	15.67	16.50	16.55	15.54
MW-09I	30.0 - 40.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-16S	5.0 - 15.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-16I	20.0 - 30.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-16I2	35.0 - 45.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-16D	55.0 - 65.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-17S	5.0 - 15.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-17I	20.0 - 30.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-17I2	35.0 - 45.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-17D	53.0 - 63.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-18S	5.0 - 15.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-18I	20.0 - 30.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-18I2	35.0 - 45.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-18D	55.0 - 65.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-22S	5.0 - 15.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-22I	20.0 - 30.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-22I2	35.0 - 45.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-22D	55.0 - 65.0	NM	NM	NM	NM	NM	NM	NM	NM	NM

Table 2-5
 Historic Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 1 (OU-1)

Well Identification	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)								
		January-04	April-04	August-04	October-04	February-05	May-05	August-05	November-05	February-06
BBMW-05D	64.0 - 74.0	14.15	15.83	13.54	13.99	14.66	14.55	13.32	15.08	14.95
BBMW-05D2	126.5 - 136.5	15.10	16.23	14.38	15.10	15.66	15.62	13.64	16.27	16.22
BBMW-13D	62.0 - 72.0	14.52	16.29	13.91	14.37	15.04	14.86	13.71	15.45	15.33
BBMW-20S	4.0 - 14.0	13.13	14.59	12.56	13.00	13.66	13.54	12.35	14.08	13.93
BBMW-20I	35.0 - 45.0	13.04	14.51	12.50	12.92	12.68	13.46	12.63	14.34	14.20
BBMW-20D	62.0 - 72.0	13.33	14.80	12.76	13.20	13.83	NM	13.00	14.70	14.55
BBMW-22S	5.0 - 10.0	13.92	15.54	13.34	13.79	14.44	14.34	13.13	14.93	14.75
BBMW-22I	30.0 - 40.0	13.94	15.52	13.33	13.78	14.43	14.33	13.12	14.88	14.74
BBMW-22D	64.0 - 74.0	13.98	15.52	13.37	13.83	14.42	14.36	13.16	14.96	14.76
BBMW-26S	6.0 - 16.0	NM	NM	NM	NM	16.11	16.09	14.74	16.60	16.49
BBMW-26I	30.0 - 40.0	NM	NM	NM	NM	16.12	16.10	14.79	16.62	16.50
BBMW-27S	5.0 - 15.0	NM	NM	NM	NM	16.10	16.08	14.73	16.59	16.47
BBMW-27I	30.0 - 40.0	NM	NM	NM	NM	16.14	16.11	14.78	16.62	16.50
MW-03S	3.0 - 13.0	14.49	16.23	13.87	14.33	15.01	14.88	13.64	15.42	15.30
MW-03D	35.0 - 45.0	14.49	16.22	13.87	14.33	15.00	14.89	13.65	15.41	15.27
MW-05S	4.0 - 14.0	14.15	15.83	13.54	13.99	14.66	14.54	13.32	14.06	14.96
MW-05D	35.5 - 45.5	15.15	15.81	13.55	14.00	14.66	14.55	13.32	15.08	14.95
MW-09S	4.0 - 14.0	15.88	17.44	15.26	15.74	16.41	16.40	15.03	16.89	16.79
MW-09I	30.0 - 40.0	NM	NM	NM	NM	16.37	16.37	15.02	16.85	16.77
OZMW-16S	5.0 - 15.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-16I	20.0 - 30.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-16I2	35.0 - 45.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-16D	55.0 - 65.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-17S	5.0 - 15.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-17I	20.0 - 30.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-17I2	35.0 - 45.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-17D	53.0 - 63.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-18S	5.0 - 15.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-18I	20.0 - 30.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-18I2	35.0 - 45.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-18D	55.0 - 65.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-22S	5.0 - 15.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-22I	20.0 - 30.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-22I2	35.0 - 45.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-22D	55.0 - 65.0	NM	NM	NM	NM	NM	NM	NM	NM	NM

Table 2-5
 Historic Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 1 (OU-1)

Well Identification	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)						
		May-06	July/Aug-06	November-06	January-07	May-07	July/Aug-07	Oct/Nov-07
BBMW-05D	64.0 - 74.0	14.46	14.19	14.63	14.51	14.91	14.23	13.41
BBMW-05D2	126.5 - 136.5	15.38	14.51	15.61	15.81	16.19	14.44	14.18
BBMW-13D	62.0 - 72.0	14.83	14.54	14.99	14.93	15.32	14.55	13.66
BBMW-20S	4.0 - 14.0	13.45	13.17	13.64	13.55	NM	NM	NM
BBMW-20I	35.0 - 45.0	13.73	13.42	13.90	13.79	NM	NM	NM
BBMW-20D	62.0 - 72.0	14.10	13.78	14.28	14.20	NM	NM	NM
BBMW-22S	5.0 - 10.0	14.26	13.97	14.43	14.34	14.73	14.08	13.26
BBMW-22I	30.0 - 40.0	14.26	13.97	14.43	14.34	14.72	14.08	13.27
BBMW-22D	64.0 - 74.0	14.27	13.98	14.49	14.41	14.46	13.70	12.89
BBMW-26S	6.0 - 16.0	15.98	15.72	16.11	16.07	16.46	15.67	14.74
BBMW-26I	30.0 - 40.0	15.98	15.72	16.10	16.08	16.46	15.63	14.76
BBMW-27S	5.0 - 15.0	15.98	NM	16.04	16.02	16.42	15.67	14.76
BBMW-27I	30.0 - 40.0	16.00	NM	16.07	16.05	16.44	15.70	14.80
MW-03S	3.0 - 13.0	14.80	14.51	14.98	14.88	15.29	14.52	13.64
MW-03D	35.0 - 45.0	14.80	14.50	14.94	14.89	15.28	14.51	13.62
MW-05S	4.0 - 14.0	14.46	14.17	14.63	14.53	14.93	14.23	13.40
MW-05D	35.5 - 45.5	14.45	14.18	14.65	14.56	14.95	14.24	13.42
MW-09S	4.0 - 14.0	16.29	NM	16.34	16.33	16.75	15.96	14.99
MW-09I	30.0 - 40.0	16.28	NM	16.34	16.32	16.72	15.94	15.02
OZMW-16S	5.0 - 15.0	NM	NM	NM	NM	NM	NM	NM
OZMW-16I	20.0 - 30.0	NM	NM	NM	NM	NM	NM	NM
OZMW-16I2	35.0 - 45.0	NM	NM	NM	NM	NM	NM	NM
OZMW-16D	55.0 - 65.0	NM	NM	NM	NM	NM	NM	NM
OZMW-17S	5.0 - 15.0	NM	NM	NM	NM	NM	NM	NM
OZMW-17I	20.0 - 30.0	NM	NM	NM	NM	NM	NM	NM
OZMW-17I2	35.0 - 45.0	NM	NM	NM	NM	NM	NM	NM
OZMW-17D	53.0 - 63.0	NM	NM	NM	NM	NM	NM	NM
OZMW-18S	5.0 - 15.0	NM	NM	NM	NM	NM	NM	NM
OZMW-18I	20.0 - 30.0	NM	NM	NM	NM	NM	NM	NM
OZMW-18I2	35.0 - 45.0	NM	NM	NM	NM	NM	NM	NM
OZMW-18D	55.0 - 65.0	NM	NM	NM	NM	NM	NM	NM
OZMW-22S	5.0 - 15.0	NM	NM	NM	NM	NM	NM	NM
OZMW-22I	20.0 - 30.0	NM	NM	NM	NM	NM	NM	NM
OZMW-22I2	35.0 - 45.0	NM	NM	NM	NM	NM	NM	NM
OZMW-22D	55.0 - 65.0	NM	NM	NM	NM	NM	NM	NM

Table 2-5
 Historic Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 1 (OU-1)

Well Identification	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)						
		January-08	April-08	August-08	November-08	January-09	May-09	July-09
BBMW-05D	64.0 - 74.0	14.27	15.01	14.01	14.54	14.60	14.91	14.82
BBMW-05D2	126.5 - 136.5	15.07	15.81	14.01	15.33	15.66	14.75	15.61
BBMW-13D	62.0 - 72.0	14.63	15.25	14.09	14.76	14.86	15.12	15.01
BBMW-20S	4.0 - 14.0	NM	NM	NM	NM	NM	NM	NM
BBMW-20I	35.0 - 45.0	13.91	NM	NM	14.21	NM	NM	NM
BBMW-20D	62.0 - 72.0	NM	NM	NM	NM	NM	NM	NM
BBMW-22S	5.0 - 10.0	13.86	14.63	13.80	14.41	14.46	14.72	14.68
BBMW-22I	30.0 - 40.0	14.11	14.82	13.80	14.40	14.45	14.75	14.69
BBMW-22D	64.0 - 74.0	14.10	14.82	13.68	14.31	14.42	14.75	14.66
BBMW-26S	6.0 - 16.0	15.63	16.38	15.19	15.82	16.04	16.22	16.14
BBMW-26I	30.0 - 40.0	15.64	16.37	15.19	15.82	16.09	16.24	16.16
BBMW-27S	5.0 - 15.0	15.66	16.38	15.21	15.81	16.02	16.22	16.14
BBMW-27I	30.0 - 40.0	15.65	16.33	15.24	15.84	16.04	16.21	16.16
MW-03S	3.0 - 13.0	14.60	15.21	14.05	14.72	14.83	15.1	15.00
MW-03D	35.0 - 45.0	14.60	15.21	14.05	14.72	14.81	15.10	14.98
MW-05S	4.0 - 14.0	14.24	15.01	13.99	9.51	14.58	14.92	14.82
MW-05D	35.5 - 45.5	14.26	14.98	14.00	9.82	14.60	14.91	14.82
MW-09S	4.0 - 14.0	15.85	16.63	15.45	16.09	16.35	16.49	16.41
MW-09I	30.0 - 40.0	15.90	16.64	15.44	16.07	16.35	16.50	16.45
OZMW-16S	5.0 - 15.0	NM	NM	13.06	13.76	13.75	14.05	13.99
OZMW-16I	20.0 - 30.0	NM	NM	13.07	13.76	13.74	14.06	14.01
OZMW-16I2	35.0 - 45.0	NM	NM	13.11	13.77	13.75	14.05	14.02
OZMW-16D	55.0 - 65.0	NM	NM	13.05	13.81	13.77	14.05	14.02
OZMW-17S	5.0 - 15.0	NM	NM	13.1	13.84	13.67	14.1	14.03
OZMW-17I	20.0 - 30.0	NM	NM	13.07	13.83	13.75	14.11	14.02
OZMW-17I2	35.0 - 45.0	NM	NM	13.05	13.79	13.73	14.05	13.99
OZMW-17D	53.0 - 63.0	NM	NM	13.02	13.8	13.74	14.09	13.99
OZMW-18S	5.0 - 15.0	NM	NM	12.72	13.76	13.66	14.01	13.95
OZMW-18I	20.0 - 30.0	NM	NM	13.38	14.14	14.04	14.36	14.30
OZMW-18I2	35.0 - 45.0	NM	NM	13.49	14.23	14.14	14.44	14.38
OZMW-18D	55.0 - 65.0	NM	NM	12.98	13.76	13.65	13.98	13.92
OZMW-22S	5.0 - 15.0	NM	NM	13.44	14.15	14.13	14.39	14.38
OZMW-22I	20.0 - 30.0	NM	NM	13.48	14.16	14.14	14.42	14.39
OZMW-22I2	35.0 - 45.0	NM	NM	13.46	14.15	14.12	14.39	14.36
OZMW-22D	55.0 - 65.0	NM	NM	13.42	14.12	14.09	14.38	14.32

Table 2-5
 Historic Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 1 (OU-1)

Well Identification	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)		
		Minimum	Average	Maximum
BBMW-05D	64.0 - 74.0	12.15	14.28	15.83
BBMW-05D2	126.5 - 136.5	12.30	15.02	16.27
BBMW-13D	62.0 - 72.0	12.48	14.64	16.29
BBMW-20S	4.0 - 14.0	11.28	13.25	14.59
BBMW-20I	35.0 - 45.0	11.22	13.33	14.51
BBMW-20D	62.0 - 72.0	11.32	13.56	14.80
BBMW-22S	5.0 - 10.0	12.01	14.09	15.54
BBMW-22I	30.0 - 40.0	12.02	14.10	15.52
BBMW-22D	64.0 - 74.0	12.01	14.08	15.52
BBMW-26S	6.0 - 16.0	14.74	15.91	16.60
BBMW-26I	30.0 - 40.0	14.76	15.91	16.62
BBMW-27S	5.0 - 15.0	14.73	15.91	16.59
BBMW-27I	30.0 - 40.0	14.78	15.93	16.62
MW-03S	3.0 - 13.0	12.45	14.58	16.23
MW-03D	35.0 - 45.0	12.44	14.57	16.22
MW-05S	4.0 - 14.0	9.51	14.19	17.61
MW-05D	35.5 - 45.5	9.82	14.54	18.51
MW-09S	4.0 - 14.0	13.55	15.97	17.44
MW-09I	30.0 - 40.0	15.02	16.19	16.85
OZMW-16S	5.0 - 15.0	13.06	13.72	14.05
OZMW-16I	20.0 - 30.0	13.07	13.73	14.06
OZMW-16I2	35.0 - 45.0	13.11	13.74	14.05
OZMW-16D	55.0 - 65.0	13.05	13.74	14.05
OZMW-17S	5.0 - 15.0	13.10	13.75	14.10
OZMW-17I	20.0 - 30.0	13.07	13.76	14.11
OZMW-17I2	35.0 - 45.0	13.05	13.72	14.05
OZMW-17D	53.0 - 63.0	13.02	13.73	14.09
OZMW-18S	5.0 - 15.0	12.72	13.62	14.01
OZMW-18I	20.0 - 30.0	13.38	14.04	14.36
OZMW-18I2	35.0 - 45.0	13.49	14.14	14.44
OZMW-18D	55.0 - 65.0	12.98	13.66	13.98
OZMW-22S	5.0 - 15.0	13.44	14.10	14.39
OZMW-22I	20.0 - 30.0	13.48	14.12	14.42
OZMW-22I2	35.0 - 45.0	13.46	14.10	14.39
OZMW-22D	55.0 - 65.0	13.42	14.07	14.38

Table 2-5
Historic Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 1 (OU-1)

Notes:

NM - Not Measured

bgs - below ground surface

Well Elevations obtained from 2007 Survey or latter and reference NVGD88 datum

Table 2-6
 Summary of Historic Total BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 1 (OU-1)

Well ID	Screen Interval (feet)	Total BTEX Groundwater Concentrations (ug/L)								
		Sampling Date								
		1992	1999		2002			2003		
	Sept	Sept	Oct/Nov	Apr/May	June/July	Nov/Dec	Feb-Apr	Jul/Aug	Sept/Oct	
BBMW-05D	64.0 - 74.0	--	--	1,523	943	--	0	600	--	--
BBMW-05D2	126.5 - 136.5	--	--	--	16	0	--	--	--	--
BBMW-13D	62.0 - 72.0	--	--	0	0	--	--	--	--	--
BBMW-20S	4.0 - 14.0	--	--	--	15,140	--	6,190	11,700	--	--
BBMW-20I	35.0 - 45.0	--	--	--	40	--	193	170	--	--
BBMW-20D	62.0 - 72.0	--	--	--	3,505	--	9,639	--	--	--
BBMW-22S	5.0 - 10.0	--	--	--	13,610	--	25,800	6,030	20,000	25,200
BBMW-22I	30.0 - 40.0	--	--	--	36	--	25	22	--	28
BBMW-22D	64.0 - 74.0	--	--	--	8,600	--	5,028	6,297	--	--
BBMW-26S	6.0 - 16.0	--	--	--	--	--	--	--	--	--
BBMW-26I	30.0 - 40.0	--	--	--	--	--	--	--	--	--
BBMW-27S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
BBMW-27I	30.0 - 40.0	--	--	--	--	--	--	--	--	--
BBMW-34S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
BBMW-34I	25.0 - 30.0	--	--	--	--	--	--	--	--	--
BBMW-34I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--
BBMW-34D	65.0 - 70.0	--	--	--	--	--	--	--	--	--
BBMW-38S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
BBMW-38I	25.0 - 30.0	--	--	--	--	--	--	--	--	--
BBMW-38I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--
BBMW-38D	65.0 - 70.0	--	--	--	--	--	--	--	--	--
BBMW-39S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
BBMW-39I	25.0 - 30.0	--	--	--	--	--	--	--	--	--
BBMW-39I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--
BBMW-39D	65.0 - 70.0	--	--	--	--	--	--	--	--	--
BBMW-40S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
BBMW-40I	25.0 - 30.0	--	--	--	--	--	--	--	--	--
BBMW-40I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--
BBMW-40D	70.0 - 75.0	--	--	--	--	--	--	--	--	--
BBMW-41S	6.0 - 16.0	--	--	--	--	--	--	--	--	--
BBMW-41I	25.0 - 30.0	--	--	--	--	--	--	--	--	--
BBMW-41I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--
BBMW-41D	65.0 - 70.0	--	--	--	--	--	--	--	--	--
MW-03S	3.0 - 13.0	361	15	19	26	--	--	--	45	20
MW-03D	35.0 - 45.0	0	0	0	0	--	--	--	--	--
MW-05S	4.0 - 14.0	17,180	27,000	20,430	24,320	--	34,290	46,300	--	--
MW-05D	35.5 - 45.5	253	15	39	3	--	0	17	--	--
MW-09S	4.0 - 14.0	0	--	29	--	0	0	0	--	--
MW-09I	30.0 - 40.0	--	--	--	--	--	--	--	--	--
MW-09I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--
MW-09D	65.0 - 70.0	--	--	--	--	--	--	--	--	--
OU2MW-48S	3.0 - 13.0	--	--	--	--	--	--	--	--	--
OU2MW-48I	25.0 - 30.0	--	--	--	--	--	--	--	--	--
OU2MW-48I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--
OU2MW-48D	65.0 - 70.0	--	--	--	--	--	--	--	--	--
OU2MW-49S	3.0 - 13.0	--	--	--	--	--	--	--	--	--
OU2MW-49I	25.0 - 30.0	--	--	--	--	--	--	--	--	--
OU2MW-49I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--
OU2MW-49D	63.0 - 68.0	--	--	--	--	--	--	--	--	--
OZMW-16S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OZMW-16I	20.0 - 30.0	--	--	--	--	--	--	--	--	--
OZMW-16I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--
OZMW-16D	55.0 - 65.0	--	--	--	--	--	--	--	--	--
OZMW-17S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OZMW-17I	20.0 - 30.0	--	--	--	--	--	--	--	--	--
OZMW-17I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--
OZMW-17D	53.0 - 63.0	--	--	--	--	--	--	--	--	--
OZMW-18S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OZMW-18I	20.0 - 30.0	--	--	--	--	--	--	--	--	--
OZMW-18I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--
OZMW-18D	55.0 - 65.0	--	--	--	--	--	--	--	--	--
OZMW-22S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OZMW-22I	20.0 - 30.0	--	--	--	--	--	--	--	--	--
OZMW-22I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--
OZMW-22D	55.0 - 65.0	--	--	--	--	--	--	--	--	--
OZMW-25S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OZMW-25I	20.0 - 30.0	--	--	--	--	--	--	--	--	--
OZMW-25I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--
OZMW-25D	55.0 - 65.0	--	--	--	--	--	--	--	--	--

Table 2-6
 Summary of Historic Total BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 1 (OU-1)

Well ID	Screen Interval (feet)	Total BTEX Groundwater Concentrations (ug/L)									
		Sampling Date									
		2004				2005				2006	
		Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	June	August	Nov/Dec	March	June
BBMW-05D	64.0 - 74.0	1,890	--	--	--	680	--	--	--	890	1,267
BBMW-05D2	126.5 - 136.5	--	--	--	--	--	--	--	--	0	--
BBMW-13D	62.0 - 72.0	0	--	--	--	0	--	--	--	0	--
BBMW-20S	4.0 - 14.0	10,876	--	10,120	--	--	--	--	5,655	--	--
BBMW-20I	35.0 - 45.0	110	--	142	--	--	--	--	104	--	--
BBMW-20D	62.0 - 72.0	--	--	--	--	--	--	--	--	--	--
BBMW-22S	5.0 - 10.0	12,960	13,800	21,300	14,500	11,670	16,900	9,200	--	12,370	10,300
BBMW-22I	30.0 - 40.0	13	--	--	--	16	--	--	--	16	--
BBMW-22D	64.0 - 74.0	2,370	--	--	--	1,650	--	--	--	1,020	--
BBMW-26S	6.0 - 16.0	--	--	--	--	0	--	--	--	0	--
BBMW-26I	30.0 - 40.0	--	--	--	--	0	--	--	--	0	--
BBMW-27S	5.0 - 15.0	--	--	--	--	0	--	--	--	0	--
BBMW-27I	30.0 - 40.0	--	--	--	--	0	--	--	--	0	--
BBMW-34S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
BBMW-34I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
BBMW-34I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--
BBMW-34D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
BBMW-38S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
BBMW-38I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
BBMW-38I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--
BBMW-38D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
BBMW-39S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
BBMW-39I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
BBMW-39I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
BBMW-39D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
BBMW-40S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
BBMW-40I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
BBMW-40I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
BBMW-40D	70.0 - 75.0	--	--	--	--	--	--	--	--	--	--
BBMW-41S	6.0 - 16.0	--	--	--	--	--	--	--	--	--	--
BBMW-41I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
BBMW-41I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
BBMW-41D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
MW-03S	3.0 - 13.0	0	0	33	35	--	180	34	0	132	31
MW-03D	35.0 - 45.0	0	--	--	--	--	--	--	--	0	--
MW-05S	4.0 - 14.0	21,660	--	--	--	24,395	--	--	--	14,197	17,327
MW-05D	35.5 - 45.5	0	--	--	--	0	--	--	--	12	0
MW-09S	4.0 - 14.0	0	--	--	0	--	--	--	--	0	--
MW-09I	30.0 - 40.0	--	--	--	--	--	--	--	--	0	--
MW-09I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
MW-09D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
OU2MW-48S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--
OU2MW-48I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-48I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-48D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
OU2MW-49S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--
OU2MW-49I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-49I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-49D	63.0 - 68.0	--	--	--	--	--	--	--	--	--	--
OZMW-16S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OZMW-16I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OZMW-16I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OZMW-16D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--
OZMW-17S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OZMW-17I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OZMW-17I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OZMW-17D	53.0 - 63.0	--	--	--	--	--	--	--	--	--	--
OZMW-18S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OZMW-18I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OZMW-18I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OZMW-18D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--
OZMW-22S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OZMW-22I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OZMW-22I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OZMW-22D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--
OZMW-25S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OZMW-25I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OZMW-25I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OZMW-25D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--

Table 2-6
 Summary of Historic Total BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 1 (OU-1)

Well ID	Screen Interval (feet)	Total BTEX Groundwater Concentrations (ug/L)									
		Sampling Date									
		2006		2007				2008			
Jul/Aug	Nov/Dec	March	May-July	Aug-Oct	Oct-Dec	Jan-Mar	Apr-July	July-Sep	Oct-Dec		
BBMW-05D	64.0 - 74.0	3,150	553	1,597	613	21	399	717	727	790	1,414
BBMW-05D2	126.5 - 136.5	--	--	--	--	--	--	0	--	--	--
BBMW-13D	62.0 - 72.0	--	--	0	0	0	0	0	--	--	--
BBMW-20S	4.0 - 14.0	19,133	12,900	173	4,144	2,677	--	--	--	--	--
BBMW-20I	35.0 - 45.0	165	125	105	0	29	13	8	5	6	8
BBMW-20D	62.0 - 72.0	--	--	1,540	1,800	1,359	--	--	--	--	--
BBMW-22S	5.0 - 10.0	--	--	10,850	10,420	14,810	7,150	5,816	7,340	9,140	10,770
BBMW-22I	30.0 - 40.0	--	--	0	43	37	32	31	32	38	42
BBMW-22D	64.0 - 74.0	--	--	1,558	1,580	2,807	3,126	2,356	3,126	4,810	2,835
BBMW-26S	6.0 - 16.0	--	--	0	0	0	0	0	--	--	--
BBMW-26I	30.0 - 40.0	--	--	0	0	0	--	0	--	--	--
BBMW-27S	5.0 - 15.0	--	--	0	0	0	0	0	0	0	0
BBMW-27I	30.0 - 40.0	--	--	0	0	0	--	0	--	--	--
BBMW-34S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
BBMW-34I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
BBMW-34I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--
BBMW-34D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
BBMW-38S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
BBMW-38I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
BBMW-38I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--
BBMW-38D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
BBMW-39S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
BBMW-39I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
BBMW-39I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
BBMW-39D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
BBMW-40S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
BBMW-40I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
BBMW-40I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
BBMW-40D	70.0 - 75.0	--	--	--	--	--	--	--	--	--	--
BBMW-41S	6.0 - 16.0	--	--	--	--	--	--	--	--	--	--
BBMW-41I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
BBMW-41I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
BBMW-41D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
MW-03S	3.0 - 13.0	250	10	0	111	116	18	30	5	--	--
MW-03D	35.0 - 45.0	--	--	0	0	0	0	0	--	--	--
MW-05S	4.0 - 14.0	18,100	24,600	48,430	15,905	12,929	18,130	15,095	8,060	14,554	2,304
MW-05D	35.5 - 45.5	0	0	0	18	22	0	0	0	7	5
MW-09S	4.0 - 14.0	--	--	0	0	0	0	0	0	0	0
MW-09I	30.0 - 40.0	--	--	0	0	2	--	4	--	--	--
MW-09I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
MW-09D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
OU2MW-48S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--
OU2MW-48I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-48I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-48D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
OU2MW-49S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--
OU2MW-49I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-49I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-49D	63.0 - 68.0	--	--	--	--	--	--	--	--	--	--
OZMW-16S	5.0 - 15.0	--	--	--	--	--	--	4,685	0	0	0
OZMW-16I	20.0 - 30.0	--	--	--	--	--	--	512	105	136	189
OZMW-16I2	35.0 - 45.0	--	--	--	--	--	--	3	4	8	2
OZMW-16D	55.0 - 65.0	--	--	--	--	--	--	0	0	0	0
OZMW-17S	5.0 - 15.0	--	--	--	--	--	--	1,664	78	52	25
OZMW-17I	20.0 - 30.0	--	--	--	--	--	--	1,316	82	23	40
OZMW-17I2	35.0 - 45.0	--	--	--	--	--	--	0	0	0	0
OZMW-17D	53.0 - 63.0	--	--	--	--	--	--	0	0	0	0
OZMW-18S	5.0 - 15.0	--	--	--	--	--	--	3,160	54	212	24
OZMW-18I	20.0 - 30.0	--	--	--	--	--	--	3,600	169	25	84
OZMW-18I2	35.0 - 45.0	--	--	--	--	--	--	201	95	57	123
OZMW-18D	55.0 - 65.0	--	--	--	--	--	--	77	31	79	147
OZMW-22S	5.0 - 15.0	--	--	--	--	--	--	7,077	7,480	7,381	6,074
OZMW-22I	20.0 - 30.0	--	--	--	--	--	--	0	0	0	0
OZMW-22I2	35.0 - 45.0	--	--	--	--	--	--	0	0	0	0
OZMW-22D	55.0 - 65.0	--	--	--	--	--	--	0	0	0	0
OZMW-25S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OZMW-25I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OZMW-25I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OZMW-25D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--

Table 2-6
 Summary of Historic Total BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 1 (OU-1)

Well ID	Screen Interval (feet)	Total BTEX Groundwater Concentrations (ug/L)								
		Sampling Date			Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum	
		2009								
		Jan-Mar	Apr-Jun	July-Sep						
BBMW-05D	64.0 - 74.0	482	880	1,016	0	3,150	957	0	3,150	
BBMW-05D2	126.5 - 136.5	7	--	--	0	16	5	0	16	
BBMW-13D	62.0 - 72.0	0	--	--	0	0	0	0	0	
BBMW-20S	4.0 - 14.0	--	--	--	173	19,133	8,973	173	19,133	
BBMW-20I	35.0 - 45.0	8	3	5	0	193	69	0	193	
BBMW-20D	62.0 - 72.0	--	--	--	1,359	9,639	3,569	1,359	9,639	
BBMW-22S	5.0 - 10.0	10,730	7,820	9,600	5,816	25,800	12,854	5,816	25,800	
BBMW-22I	30.0 - 40.0	43	111	199	0	111	33	0	199	
BBMW-22D	64.0 - 74.0	2,314	4,329	4,010	1,020	8,600	3,363	1,020	8,600	
BBMW-26S	6.0 - 16.0	0	--	--	0	0	0	0	0	
BBMW-26I	30.0 - 40.0	8	--	--	0	8	1	0	8	
BBMW-27S	5.0 - 15.0	0	0	1	0	0	0	0	1	
BBMW-27I	30.0 - 40.0	0	0	--	0	0	0	0	0	
BBMW-34S	5.0 - 15.0	--	--	749	NA	NA	NA	749	749	
BBMW-34I	25.0 - 30.0	--	--	3,109	NA	NA	NA	3,109	3,109	
BBMW-34I2	40.0 - 45.0	--	--	196	NA	NA	NA	196	196	
BBMW-34D	65.0 - 70.0	--	--	8	NA	NA	NA	8	8	
BBMW-38S	5.0 - 15.0	--	--	49	NA	NA	NA	49	49	
BBMW-38I	25.0 - 30.0	--	--	9	NA	NA	NA	9	9	
BBMW-38I2	40.0 - 45.0	--	--	7	NA	NA	NA	7	7	
BBMW-38D	65.0 - 70.0	--	--	0	NA	NA	NA	0	0	
BBMW-39S	5.0 - 15.0	--	--	9,755	NA	NA	NA	9,755	9,755	
BBMW-39I	25.0 - 30.0	--	--	0	NA	NA	NA	0	0	
BBMW-39I2	45.0 - 50.0	--	--	0	NA	NA	NA	0	0	
BBMW-39D	65.0 - 70.0	--	--	1	NA	NA	NA	1	1	
BBMW-40S	5.0 - 15.0	--	--	5,069	NA	NA	NA	5,069	5,069	
BBMW-40I	25.0 - 30.0	--	--	5	NA	NA	NA	5	5	
BBMW-40I2	45.0 - 50.0	--	--	0	NA	NA	NA	0	0	
BBMW-40D	70.0 - 75.0	--	--	37	NA	NA	NA	37	37	
BBMW-41S	6.0 - 16.0	--	--	6,819	NA	NA	NA	6,819	6,819	
BBMW-41I	25.0 - 30.0	--	--	0	NA	NA	NA	0	0	
BBMW-41I2	45.0 - 50.0	--	--	2	NA	NA	NA	2	2	
BBMW-41D	65.0 - 70.0	--	--	0	NA	NA	NA	0	0	
MW-03S	3.0 - 13.0	34	28	0	0	361	61	0	361	
MW-03D	35.0 - 45.0	0	0	0	0	0	0	0	0	
MW-05S	4.0 - 14.0	9,600	2,655	7,891	2,304	48,430	19,885	2,304	48,430	
MW-05D	35.5 - 45.5	26	29	22	0	253	20	0	253	
MW-09S	4.0 - 14.0	0	0	0	0	29	2	0	29	
MW-09I	30.0 - 40.0	0	--	--	0	4	1	0	4	
MW-09I2	45.0 - 50.0	--	--	0	NA	NA	NA	0	0	
MW-09D	65.0 - 70.0	--	--	0	NA	NA	NA	0	0	
OU2MW-48S	3.0 - 13.0	--	8	6	8	8	8	6	8	
OU2MW-48I	25.0 - 30.0	--	0	0	0	0	0	0	0	
OU2MW-48I2	45.0 - 50.0	--	0	0	0	0	0	0	0	
OU2MW-48D	65.0 - 70.0	--	0	0	0	0	0	0	0	
OU2MW-49S	3.0 - 13.0	--	0	0	0	0	0	0	0	
OU2MW-49I	25.0 - 30.0	--	0	0	0	0	0	0	0	
OU2MW-49I2	45.0 - 50.0	--	0	0	0	0	0	0	0	
OU2MW-49D	63.0 - 68.0	--	0	0	0	0	0	0	0	
OZMW-16S	5.0 - 15.0	0	0	0	0	4,685	781	0	4,685	
OZMW-16I	20.0 - 30.0	441	775	585	105	775	360	105	775	
OZMW-16I2	35.0 - 45.0	12	92	686	2	92	20	2	686	
OZMW-16D	55.0 - 65.0	0	0	0	0	0	0	0	0	
OZMW-17S	5.0 - 15.0	141	17	337	17	1,664	330	17	1,664	
OZMW-17I	20.0 - 30.0	74	42	67	23	1,316	263	23	1,316	
OZMW-17I2	35.0 - 45.0	0	36	8	0	36	6	0	36	
OZMW-17D	53.0 - 63.0	0	0	0	0	0	0	0	0	
OZMW-18S	5.0 - 15.0	244	0	5	0	3,160	616	0	3,160	
OZMW-18I	20.0 - 30.0	178	149	449	25	3,600	701	25	3,600	
OZMW-18I2	35.0 - 45.0	129	50	104	50	201	109	50	201	
OZMW-18D	55.0 - 65.0	216	94	389	31	216	107	31	389	
OZMW-22S	5.0 - 15.0	11,947	5605	6,942	5,605	11,947	7,594	5,605	11,947	
OZMW-22I	20.0 - 30.0	607	43	17	0	607	108	0	607	
OZMW-22I2	35.0 - 45.0	2	0	0	0	2	0	0	2	
OZMW-22D	55.0 - 65.0	0	0	0	0	0	0	0	0	
OZMW-25S	5.0 - 15.0	--	1,691	1,724	1,691	1,691	1,691	1,691	1,724	
OZMW-25I	20.0 - 30.0	--	198	248	198	198	198	198	248	
OZMW-25I2	35.0 - 45.0	--	91	177	91	91	91	177	177	
OZMW-25D	55.0 - 65.0	--	0	0	0	0	0	0	0	

Table 2-7
 Summary of Historic Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 1 (OU-1)

Well ID	Screen Interval (feet)	Total PAH Groundwater Concentrations (ug/L)								
		Sampling Date								
		1992	1999		2002			2003		
	Sept	Sept	Oct/Nov	Apr/May	June/July	Nov/Dec	Feb-Apr	Jul/Aug	Sept/Oct	
BBMW-05D	64.0 - 74.0	--	--	3,249	4,181	--	2,247	1,800	--	--
BBMW-05D2	126.5 - 136.5	--	--	--	147	0	--	--	--	--
BBMW-13D	62.0 - 72.0	--	--	0	40	--	--	--	--	--
BBMW-20S	4.0 - 14.0	--	--	--	2,248	--	3,080	15,000	--	--
BBMW-20I	35.0 - 45.0	--	--	--	7,134	--	7,900	7,400	--	--
BBMW-20D	62.0 - 72.0	--	--	--	14,594	--	7,300	--	--	--
BBMW-22S	5.0 - 10.0	--	--	--	3,954	--	3,700	2,500	3,608	--
BBMW-22I	30.0 - 40.0	--	--	--	8,810	--	8,000	3,500	--	--
BBMW-22D	64.0 - 74.0	--	--	--	11,436	--	8,808	5,300	--	--
BBMW-26S	6.0 - 16.0	--	--	--	--	--	--	--	--	--
BBMW-26I	30.0 - 40.0	--	--	--	--	--	--	--	--	--
BBMW-27S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
BBMW-27I	30.0 - 40.0	--	--	--	--	--	--	--	--	--
BBMW-34S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
BBMW-34I	25.0 - 30.0	--	--	--	--	--	--	--	--	--
BBMW-34I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--
BBMW-34D	65.0 - 70.0	--	--	--	--	--	--	--	--	--
BBMW-38S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
BBMW-38I	25.0 - 30.0	--	--	--	--	--	--	--	--	--
BBMW-38I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--
BBMW-38D	65.0 - 70.0	--	--	--	--	--	--	--	--	--
BBMW-39S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
BBMW-39I	25.0 - 30.0	--	--	--	--	--	--	--	--	--
BBMW-39I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--
BBMW-39D	65.0 - 70.0	--	--	--	--	--	--	--	--	--
BBMW-40S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
BBMW-40I	25.0 - 30.0	--	--	--	--	--	--	--	--	--
BBMW-40I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--
BBMW-40D	70.0 - 75.0	--	--	--	--	--	--	--	--	--
BBMW-41S	6.0 - 16.0	--	--	--	--	--	--	--	--	--
BBMW-41I	25.0 - 30.0	--	--	--	--	--	--	--	--	--
BBMW-41I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--
BBMW-41D	65.0 - 70.0	--	--	--	--	--	--	--	--	--
MW-03S	3.0 - 13.0	620	17	1,425	104	--	--	--	120	20
MW-03D	35.0 - 45.0	0	0	0	0	--	--	--	0	--
MW-05S	4.0 - 14.0	5,514	2,360	2,964	2,682	--	2,100	1,600	--	--
MW-05D	35.5 - 45.5	4,292	3,959	4,944	2,501	--	4,560	2,600	--	--
MW-09S	4.0 - 14.0	0	--	0	--	0	74	0	--	--
MW-09I	30.0 - 40.0	--	--	--	--	--	--	--	--	--
MW-09I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--
MW-09D	65.0 - 70.0	--	--	--	--	--	--	--	--	--
OU2MW-48S	3.0 - 13.0	--	--	--	--	--	--	--	--	--
OU2MW-48I	25.0 - 30.0	--	--	--	--	--	--	--	--	--
OU2MW-48I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--
OU2MW-48D	65.0 - 70.0	--	--	--	--	--	--	--	--	--
OU2MW-49S	3.0 - 13.0	--	--	--	--	--	--	--	--	--
OU2MW-49I	25.0 - 30.0	--	--	--	--	--	--	--	--	--
OU2MW-49I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--
OU2MW-49D	63.0 - 68.0	--	--	--	--	--	--	--	--	--
OZMW-16S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OZMW-16I	20.0 - 30.0	--	--	--	--	--	--	--	--	--
OZMW-16I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--
OZMW-16D	55.0 - 65.0	--	--	--	--	--	--	--	--	--
OZMW-17S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OZMW-17I	20.0 - 30.0	--	--	--	--	--	--	--	--	--
OZMW-17I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--
OZMW-17D	53.0 - 63.0	--	--	--	--	--	--	--	--	--
OZMW-18S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OZMW-18I	20.0 - 30.0	--	--	--	--	--	--	--	--	--
OZMW-18I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--
OZMW-18D	55.0 - 65.0	--	--	--	--	--	--	--	--	--
OZMW-22S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OZMW-22I	20.0 - 30.0	--	--	--	--	--	--	--	--	--
OZMW-22I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--
OZMW-22D	55.0 - 65.0	--	--	--	--	--	--	--	--	--
OZMW-25S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OZMW-25I	20.0 - 30.0	--	--	--	--	--	--	--	--	--
OZMW-25I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--
OZMW-25D	55.0 - 65.0	--	--	--	--	--	--	--	--	--

Table 2-7
 Summary of Historic Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 1 (OU-1)

Well ID	Screen Interval (feet)	Total PAH Groundwater Concentrations (ug/L)									
		Sampling Date									
		2004				2005				2006	
		Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	June	August	Nov/Dec	March	June
BBMW-05D	64.0 - 74.0	3,187	--	--	--	3,109	--	--	--	2,924	352
BBMW-05D2	126.5 - 136.5	--	--	--	--	--	--	--	--	0	--
BBMW-13D	62.0 - 72.0	0	--	--	--	0	--	--	--	0	--
BBMW-20S	4.0 - 14.0	3,408	--	1,758	--	--	--	--	2,483	--	--
BBMW-20I	35.0 - 45.0	6,939	--	6,956	--	--	--	--	8,636	--	--
BBMW-20D	62.0 - 72.0	--	--	--	--	--	--	--	--	--	--
BBMW-22S	5.0 - 10.0	2,400	2,042	4,460	4,780	2,640	143	4,549	--	4,131	2,214
BBMW-22I	30.0 - 40.0	7,240	--	--	--	5,865	--	--	--	7,114	--
BBMW-22D	64.0 - 74.0	145,100	--	--	--	4,418	--	--	--	6,288	--
BBMW-26S	6.0 - 16.0	--	--	--	--	0	--	--	--	0	--
BBMW-26I	30.0 - 40.0	--	--	--	--	0	--	--	--	0	--
BBMW-27S	5.0 - 15.0	--	--	--	--	--	--	--	--	0	--
BBMW-27I	30.0 - 40.0	--	--	--	--	0	--	--	--	0	--
BBMW-34S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
BBMW-34I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
BBMW-34I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--
BBMW-34D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
BBMW-38S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
BBMW-38I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
BBMW-38I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--
BBMW-38D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
BBMW-39S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
BBMW-39I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
BBMW-39I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
BBMW-39D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
BBMW-40S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
BBMW-40I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
BBMW-40I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
BBMW-40D	70.0 - 75.0	--	--	--	--	--	--	--	--	--	--
BBMW-41S	6.0 - 16.0	--	--	--	--	--	--	--	--	--	--
BBMW-41I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
BBMW-41I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
BBMW-41D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
MW-03S	3.0 - 13.0	0	28	25	0	--	0	21	0	25	11
MW-03D	35.0 - 45.0	184	--	--	--	--	--	--	--	0	--
MW-05S	4.0 - 14.0	2,783	--	--	--	2,144	--	--	--	2,220	1,647
MW-05D	35.5 - 45.5	3,214	--	--	--	2,842	--	--	--	2,456	435
MW-09S	4.0 - 14.0	0	--	--	0	--	--	--	--	0	--
MW-09I	30.0 - 40.0	--	--	--	--	--	--	--	--	0	--
MW-09I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
MW-09D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
OU2MW-48S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--
OU2MW-48I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-48I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-48D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
OU2MW-49S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--
OU2MW-49I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-49I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-49D	63.0 - 68.0	--	--	--	--	--	--	--	--	--	--
OZMW-16S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OZMW-16I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OZMW-16I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OZMW-16D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--
OZMW-17S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OZMW-17I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OZMW-17I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OZMW-17D	53.0 - 63.0	--	--	--	--	--	--	--	--	--	--
OZMW-18S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OZMW-18I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OZMW-18I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OZMW-18D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--
OZMW-22S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OZMW-22I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OZMW-22I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OZMW-22D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--
OZMW-25S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OZMW-25I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OZMW-25I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OZMW-25D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--

Table 2-7
 Summary of Historic Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 1 (OU-1)

Well ID	Screen Interval (feet)	Total PAH Groundwater Concentrations (ug/L)									
		Sampling Date									
		2006		2007				2008			
		Jul/Aug	Nov/Dec	March	May-July	Aug-Oct	Oct-Dec	Jan-Mar	Apr-July	July-Sep	Oct-Dec
BBMW-05D	64.0 - 74.0	4,492	2,386	2,371	1,233	40	930	981	1,203	1,555	1,165
BBMW-05D2	126.5 - 136.5	--	--	--	--	--	--	0	--	--	--
BBMW-13D	62.0 - 72.0	--	--	0	0	0	0	0	--	--	--
BBMW-20S	4.0 - 14.0	1,365	2,179	1,819	1,343	860	--	--	--	--	--
BBMW-20I	35.0 - 45.0	7,722	5,749	7,160	2,189	2,033	452	75	48	348	165
BBMW-20D	62.0 - 72.0	--	--	2,289	4,688	5,460	--	--	--	--	--
BBMW-22S	5.0 - 10.0	--	--	1,634	2,931	3,629	3,189	24	25	1,961	1,972
BBMW-22I	30.0 - 40.0	--	--	4,696	4,283	4,879	5,212	5,536	4,290	4,686	4,680
BBMW-22D	64.0 - 74.0	--	--	2,725	3,310	5,374	8,516	4,257	4,894	6,442	5,681
BBMW-26S	6.0 - 16.0	--	--	0	0	0	24	0	--	--	--
BBMW-26I	30.0 - 40.0	--	--	0	0	1	--	0	--	--	--
BBMW-27S	5.0 - 15.0	--	--	0	0	0	0	0	0	2	0
BBMW-27I	30.0 - 40.0	--	--	0	0	0	--	0	--	--	--
BBMW-34S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
BBMW-34I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
BBMW-34I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--
BBMW-34D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
BBMW-38S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
BBMW-38I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
BBMW-38I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--
BBMW-38D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
BBMW-39S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
BBMW-39I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
BBMW-39I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
BBMW-39D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
BBMW-40S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
BBMW-40I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
BBMW-40I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
BBMW-40D	70.0 - 75.0	--	--	--	--	--	--	--	--	--	--
BBMW-41S	6.0 - 16.0	--	--	--	--	--	--	--	--	--	--
BBMW-41I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
BBMW-41I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
BBMW-41D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
MW-03S	3.0 - 13.0	0	0	0	0	9	0	0	0	--	--
MW-03D	35.0 - 45.0	--	--	0	0	0	2	0	--	--	--
MW-05S	4.0 - 14.0	2,493	1,652	1,647	1,294	1,630	1,431	1,699	144	1,306	7
MW-05D	35.5 - 45.5	1,984	3,122	1,113	142	55	741	2,644	390	1,988	107
MW-09S	4.0 - 14.0	--	--	0	0	0	0	0	0	0	0
MW-09I	30.0 - 40.0	--	--	0	0	2	--	4	--	--	--
MW-09I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
MW-09D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
OU2MW-48S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--
OU2MW-48I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-48I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-48D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
OU2MW-49S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--
OU2MW-49I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-49I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-49D	63.0 - 68.0	--	--	--	--	--	--	--	--	--	--
OZMW-16S	5.0 - 15.0	--	--	--	--	--	--	830	2	0	0
OZMW-16I	20.0 - 30.0	--	--	--	--	--	--	1,447	39	22	440
OZMW-16I2	35.0 - 45.0	--	--	--	--	--	--	0	219	0	159
OZMW-16D	55.0 - 65.0	--	--	--	--	--	--	1	0	0	0
OZMW-17S	5.0 - 15.0	--	--	--	--	--	--	1,963	1	0	0
OZMW-17I	20.0 - 30.0	--	--	--	--	--	--	5,197	5	0	0
OZMW-17I2	35.0 - 45.0	--	--	--	--	--	--	7	0	2	0
OZMW-17D	53.0 - 63.0	--	--	--	--	--	--	27	0	0	3
OZMW-18S	5.0 - 15.0	--	--	--	--	--	--	569	15	0	2
OZMW-18I	20.0 - 30.0	--	--	--	--	--	--	2,312	625	7	600
OZMW-18I2	35.0 - 45.0	--	--	--	--	--	--	8,178	7,353	11,417	10,065
OZMW-18D	55.0 - 65.0	--	--	--	--	--	--	1,684	461	0	1,279
OZMW-22S	5.0 - 15.0	--	--	--	--	--	--	2,191	2,555	1,449	1,684
OZMW-22I	20.0 - 30.0	--	--	--	--	--	--	0	0	1	0
OZMW-22I2	35.0 - 45.0	--	--	--	--	--	--	0	0	0	0
OZMW-22D	55.0 - 65.0	--	--	--	--	--	--	0	0	0	49
OZMW-25S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OZMW-25I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OZMW-25I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OZMW-25D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--

Table 2-7
 Summary of Historic Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 1 (OU-1)

Well ID	Screen Interval (feet)	Total PAH Groundwater Concentrations (ug/L)							
		Sampling Date			Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2009							
		Jan-Mar	Apr-Jun	July-Sep					
BBMW-05D	64.0 - 74.0	786	2,767	186	40	4,492	2,048	40	4,492
BBMW-05D2	126.5 - 136.5	0	--	--	0	147	29	0	147
BBMW-13D	62.0 - 72.0	0	--	--	0	40	4	0	40
BBMW-20S	4.0 - 14.0	--	--	--	860	15,000	3,231	860	15,000
BBMW-20I	35.0 - 45.0	1,150	137	657	48	8,636	4,011	48	8,636
BBMW-20D	62.0 - 72.0	--	--	--	2,289	14,594	6,866	2,289	14,594
BBMW-22S	5.0 - 10.0	1,664	986	2,329	24	4,780	2,571	24	4,780
BBMW-22I	30.0 - 40.0	4,949	6,539	4,155	3,500	8,810	5,642	3,500	8,810
BBMW-22D	64.0 - 74.0	5,140	8,539	5,411	2,725	145,100	14,764	2,725	145,100
BBMW-26S	6.0 - 16.0	0	--	--	0	24	3	0	24
BBMW-26I	30.0 - 40.0	0	--	--	0	1	0	0	1
BBMW-27S	5.0 - 15.0	0	0	0	0	2	0	0	2
BBMW-27I	30.0 - 40.0	0	0	--	0	0	0	0	0
BBMW-34S	5.0 - 15.0	--	--	969	NA	NA	NA	969	969
BBMW-34I	25.0 - 30.0	--	--	2,223	NA	NA	NA	2,223	2,223
BBMW-34I2	40.0 - 45.0	--	--	2,033	NA	NA	NA	2,033	2,033
BBMW-34D	65.0 - 70.0	--	--	478	NA	NA	NA	478	478
BBMW-38S	5.0 - 15.0	--	--	13	NA	NA	NA	13	13
BBMW-38I	25.0 - 30.0	--	--	131	NA	NA	NA	131	131
BBMW-38I2	40.0 - 45.0	--	--	706	NA	NA	NA	706	706
BBMW-38D	65.0 - 70.0	--	--	0	NA	NA	NA	0	0
BBMW-39S	5.0 - 15.0	--	--	914	NA	NA	NA	914	914
BBMW-39I	25.0 - 30.0	--	--	45	NA	NA	NA	45	45
BBMW-39I2	45.0 - 50.0	--	--	0	NA	NA	NA	0	0
BBMW-39D	65.0 - 70.0	--	--	0	NA	NA	NA	0	0
BBMW-40S	5.0 - 15.0	--	--	1,322	NA	NA	NA	1,322	1,322
BBMW-40I	25.0 - 30.0	--	--	51	NA	NA	NA	51	51
BBMW-40I2	45.0 - 50.0	--	--	0	NA	NA	NA	0	0
BBMW-40D	70.0 - 75.0	--	--	0	NA	NA	NA	0	0
BBMW-41S	6.0 - 16.0	--	--	3,264	NA	NA	NA	3,264	3,264
BBMW-41I	25.0 - 30.0	--	--	0	NA	NA	NA	0	0
BBMW-41I2	45.0 - 50.0	--	--	0	NA	NA	NA	0	0
BBMW-41D	65.0 - 70.0	--	--	0	NA	NA	NA	0	0
MW-03S	3.0 - 13.0	0	0	--	0	1,425	97	0	1,425
MW-03D	35.0 - 45.0	0	0	--	0	184	14	0	184
MW-05S	4.0 - 14.0	1052	1	226	1	5,514	1,872	1	5,514
MW-05D	35.5 - 45.5	232	9	138	9	4,944	2,015	9	4,944
MW-09S	4.0 - 14.0	0	0	0	0	74	4	0	74
MW-09I	30.0 - 40.0	0	--	--	0	4	1	0	4
MW-09I2	45.0 - 50.0	--	--	0	NA	NA	NA	0	0
MW-09D	65.0 - 70.0	--	--	0	NA	NA	NA	0	0
OU2MW-48S	3.0 - 13.0	--	3	4	3	3	3	3	4
OU2MW-48I	25.0 - 30.0	--	0	0	0	0	0	0	0
OU2MW-48I2	45.0 - 50.0	--	0	0	0	0	0	0	0
OU2MW-48D	65.0 - 70.0	--	0	0	0	0	0	0	0
OU2MW-49S	3.0 - 13.0	--	0	0	0	0	0	0	0
OU2MW-49I	25.0 - 30.0	--	0	0	0	0	0	0	0
OU2MW-49I2	45.0 - 50.0	--	0	0	0	0	0	0	0
OU2MW-49D	63.0 - 68.0	--	0	0	0	0	0	0	0
OZMW-16S	5.0 - 15.0	0	0	0	0	830	139	0	830
OZMW-16I	20.0 - 30.0	153	72	1,167	22	1,447	420	22	1,447
OZMW-16I2	35.0 - 45.0	6	178	2,002	0	219	77	0	2,002
OZMW-16D	55.0 - 65.0	0	0	1	0	1	0	0	1
OZMW-17S	5.0 - 15.0	0	0	0	0	1,963	327	0	1,963
OZMW-17I	20.0 - 30.0	0	12	0	0	5,197	1,040	0	5,197
OZMW-17I2	35.0 - 45.0	0	62	0	0	7	2	0	7
OZMW-17D	53.0 - 63.0	2	0	4	0	27	5	0	27
OZMW-18S	5.0 - 15.0	0	0	0	0	569	98	0	569
OZMW-18I	20.0 - 30.0	9	149	68	7	2,312	711	7	2,312
OZMW-18I2	35.0 - 45.0	7,728	8917	10,984	7,353	11,417	8,948	7,353	11,417
OZMW-18D	55.0 - 65.0	435	1166	1,586	0	1,684	772	0	1,684
OZMW-22S	5.0 - 15.0	1,850	971	2,406	1,449	2,555	1,946	1,449	2,555
OZMW-22I	20.0 - 30.0	95	0	3	0	95	16	0	95
OZMW-22I2	35.0 - 45.0	0	0	0	0	0	0	0	0
OZMW-22D	55.0 - 65.0	0	0	0	0	49	8	0	49
OZMW-25S	5.0 - 15.0	--	4,595	3,968	4,595	4,595	4,595	3,968	4,595
OZMW-25I	20.0 - 30.0	--	3,276	849	3,276	3,276	849	3,276	3,276
OZMW-25I2	35.0 - 45.0	--	29	51	29	29	29	29	51
OZMW-25D	55.0 - 65.0	--	0	0	0	0	0	0	0

Table 2-8
 Summary of BTEX, MTBE, and PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 1 (OU-1)

Operable Unit:		OU1	OU1	OU1	OU1	OU1	OU1	OU1
Sample Name:	NYS	BMW-05D	BMW-22S	BMW-22I	BMW-22D	BMW-27S	MW-05S	MW-05D
Screened Interval:	AWQS	64-74 ft	5-10 ft	30-40 ft	64-74 ft	5-15 ft	4-14 ft	35.5-45.5 ft
Sample Date:		9/3/2009	9/3/2009	9/3/2009	9/3/2009	9/11/2009	9/3/2009	9/3/2009
BTEX (ug/L)								
Benzene	1	21	2200	170	10	10 U	91	18
Toluene	5	320	1300	4 J	1300	10 U	200	10 U
Ethylbenzene	5	95	2600	9 J	300	10 U	3100	1 J
Xylene, total	5	580	3500	16	2400	1 J	4500	3 J
Total BTEX	NE	1016	9600	199	4010	1	7891	22
Other VOCs (ug/L)								
Methyl tert-butyl ether	10*	1 J	3 J	9 J	1 J	10 U	3 J	38
Non-carcinogenic PAHs (ug/L)								
Acenaphthene	20*	4 J	38	170 J	8	10 U	22	18
Acenaphthylene	NE	31	99 J	13	170 J	10 U	16	37
Anthracene	50*	7	6	8	6	10 U	2 J	8
Fluoranthene	50*	3 J	2 J	2 J	2 J	10 U	1 J	3 J
Fluorene	50*	13	32	41	18	10 U	12	43
Methylnaphthalene, 2-	NE	89	320	880	480 J	10 U	19	10 U
Naphthalene	10*	3 J	1800	3000	4700	10 U	150	10 U
Phenanthrene	50*	33	29	39	24	10 U	2 J	26
Pyrene	50*	3 J	3 J	2 J	3 J	10 U	2 J	3 J
Carcinogenic PAHs (ug/L)								
None detected								
Total PAHs (ug/L)								
Total PAHs	NE	186	2329	4155	5411	ND	226	138

Table 2-9
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 1 (OU-1)

Operable Unit:		OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1
Sample Name:	NYS	BBMW-20I	BBMW-34S	BBMW-34I	BBMW-34I2	BBMW-34D	BBMW-38S	BBMW-38I	BBMW-38I2	BBMW-38D	BBMW-39S	BBMW-39I	BBMW-39I2
Screened Interval:	AWQS	35-45 ft	5-15 ft	25-30 ft	40-45 ft	65-70 ft	5-15 ft	25-30 ft	40-45 ft	65-70 ft	5-15 ft	25-30 ft	45-50 ft
Sample Date:		9/11/2009	9/14/2009	9/14/2009	9/14/2009	9/14/2009	9/15/2009	9/15/2009	9/15/2009	9/15/2009	9/14/2009	9/14/2009	9/14/2009
BTEX (ug/L)													
Benzene	1	1 J	91	460	69	10 U	13	2 J	6	10 UJ	6900	10 U	10 U
Toluene	5	10 U	8	49	5	10 U	7	10 U	1 J	10 U	45	10 U	10 U
Ethylbenzene	5	10 U	400	1300	59	4 J	11	2 J	10 U	10 U	2200	10 U	10 U
Xylene, m,p-	5	3 J	110	910	42	3 J	9	3 J	10 U	10 U	140	10 U	10 U
Xylene, o-	5	1 J	140	390	21	1 J	9	2 J	10 U	10 U	470	10 U	10 U
Total BTEX	NE	5	749	3109	196	8	49	9	7	ND	9755	ND	ND
Other VOCs (ug/L)													
Acetaldehyde	8*	10 UJ	10 U	18	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	50*	10 U	10 UJ	17 UJ	10 UJ	10 UJ	10 U	10 U	4 J	10 U	10 U	10 UJ	10 UJ
Bromodichloromethane	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	5	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Butanone, 2-	50*	10 UJ	10 U	3 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon disulfide	60*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U
Chloroethane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	7	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	97	10 U	10 U	10 U
Chloromethane	5	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Cyclohexane	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	30	10 UJ	10 UJ
Dibromochloromethane	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene, 1,2-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene, 1,4-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	5	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Dichloroethane, 1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

Table 2-9
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 1 (OU-1)

Operable Unit:		OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1
Sample Name:	NYS	BMW-20I	BMW-34S	BMW-34I	BMW-34I2	BMW-34D	BMW-38S	BMW-38I	BMW-38I2	BMW-38D	BMW-39S	BMW-39I	BMW-39I2
Screened Interval:	AWQS	35-45 ft	5-15 ft	25-30 ft	40-45 ft	65-70 ft	5-15 ft	25-30 ft	40-45 ft	65-70 ft	5-15 ft	25-30 ft	45-50 ft
Sample Date:		9/11/2009	9/14/2009	9/14/2009	9/14/2009	9/14/2009	9/15/2009	9/15/2009	9/15/2009	9/15/2009	9/14/2009	9/14/2009	9/14/2009
Dichloroethane, 1,2-	0.6	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene, 1,1-	0.07	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene, cis-1,2-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloropropane, 1,2-	1	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dioxane, 1,4-	NE	R	R	R	R	R	R	R	R	R	R	R	R
Ethanol	NE	R	R	R	R	R	R	R	R	R	R	R	R
Hexane, n-	NE	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	7	10 UJ	10 UJ
Isopropyl benzene	5	10 U	36 J	29 J	7 J	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	61 J	10 UJ	10 UJ
Methyl tert-butyl ether	10*	6	8 J	4 J	3 J	10 UJ	10 UJ	10 UJ	17 J	1 J	10 UJ	10 UJ	10 UJ
Methylene chloride	5	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	1100 J	1100 J	1500 J	590 J	170 J	37 J	170 J	240 J	4 J	4000 J	9 J	10 UJ
Propanol, 2-	NE	R	R	R	R	R	R	R	R	R	R	R	500 UJ
Propylbenzene, n-	5	4 J	13 J	11 J	4 J	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	16 J	10 UJ	10 UJ
Styrene	5	10 U	10 U	10 U	11	10 U	2 J	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethane, 1,1,1,2-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethane, 1,1,2,2-	5	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ
Tetrachloroethene	5	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrahydrofuran	50*	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethane, 1,1,1-	5	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene 1,3,5-/P-ethyltoluene	NE	35	110 J	100 J	28 J	6 J	4 J	10 U	5	10 U	77	10 UJ	10 UJ
Trimethylbenzene, 1,2,4-	5	78	220 J	200 J	48 J	11 J	8 J	6 J	9 J	10 UJ	340 J	10 UJ	10 UJ
Trimethylpentane, 2,2,4-	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ

Table 2-9
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 1 (OU-1)

Operable Unit:		OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1
Sample Name:	NYS	BMW-20I	BMW-34S	BMW-34I	BMW-34I2	BMW-34D	BMW-38S	BMW-38I	BMW-38I2	BMW-38D	BMW-39S	BMW-39I	BMW-39I2
Screened Interval:	AWQS	35-45 ft	5-15 ft	25-30 ft	40-45 ft	65-70 ft	5-15 ft	25-30 ft	40-45 ft	65-70 ft	5-15 ft	25-30 ft	45-50 ft
Sample Date:		9/11/2009	9/14/2009	9/14/2009	9/14/2009	9/14/2009	9/15/2009	9/15/2009	9/15/2009	9/15/2009	9/14/2009	9/14/2009	9/14/2009
Non-carcinogenic PAHs (ug/L)													
Acenaphthene	20*	5 J	63	56	57	7	4 J	13	16	10 U	51	4 J	10 U
Acenaphthylene	NE	65	10	140	190	32	6	75	120	10 U	26	23	10 U
Anthracene	50*	3 J	5	9	18	8	10 U	6	19	10 U	6	1 J	10 U
Benzo[g,h,i]perylene	NE	10 U	10 U	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	3 J	3 J	9	4 J	1 J	4 J	7	10 U	2 J	10 U	10 U
Fluorene	50*	14	31	62	63	39	10 U	28	80	10 U	28	2 J	10 U
Methylnaphthalene, 2-	NE	120	31	890	1100	240	10 U	10 U	340	10 U	85	5	10 U
Naphthalene	10*	440	790	1000	500	78	10 U	10 U	12	10 U	680	5	10 U
Phenanthrene	50*	10	32	59	69	63	10 U	10 U	98	10 U	34	5	10 U
Pyrene	50*	10 U	4 J	4 J	13	7	2 J	5	10	10 U	2 J	10 U	10 U
Carcinogenic PAHs (ug/L)													
Benz[a]anthracene	0.002*	10 U	10 U	10 U	5	10 U	10 U	10 U	2 J	10 U	10 U	10 U	10 U
Benzo[a]pyrene	ND	10 U	10 U	10 U	3 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	1 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	1 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	4 J	10 U	10 U	10 U	2 J	10 U	10 U	10 U	10 U
Dibenz[a,h]anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAHs (ug/L)													
Total PAHs	NE	657	969	2223	2033	478	13	131	706	ND	914	45	ND
Other SVOCs (ug/L)													
Carbazole	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobenzene, 1,2-	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobenzene, 1,4-	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dimethylphenol, 2,4-	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 2-9
Summary of Expanded Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 1 (OU-1)

Operable Unit:		OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1
Sample Name:	NYS	BMW-39D	BMW-40S	BMW-40I	BMW-40I2	BMW-40D	BMW-41S	BMW-41I	BMW-41I2	BMW-41D	Duplicate of: BMW-41D	MW-09S	MW-09I2
Screened Interval:	AWQS	65-70 ft	5-15 ft	25-30 ft	45-50 ft	70-75 ft	6-16 ft	25-30 ft	45-50 ft	65-70 ft	65-70 ft	4-14 ft	45-50 ft
Sample Date:		9/14/2009	9/15/2009	9/15/2009	9/16/2009	9/16/2009	9/15/2009	9/15/2009	9/15/2009	9/15/2009	9/15/2009	9/11/2009	9/11/2009
BTEX (ug/L)													
Benzene	1	1 J	67	10 U	10 U	10 U	4 J	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	5	10 U	42	10 U	10 U	10 U	15	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	5	10 U	3000	4 J	10 U	27	2500	10 U	1 J	10 U	10 U	10 U	10 U
Xylene, m,p-	5	10 U	1400	1 J	10 U	5	3000	10 U	1 J	10 U	10 U	10 U	10 U
Xylene, o-	5	10 U	560	10 U	10 U	5	1300	10 U	10 U	10 U	10 U	10 U	10 U
Total BTEX	NE	1	5069	5	ND	37	6819	ND	2	ND	ND	ND	ND
Other VOCs (ug/L)													
Acetaldehyde	8*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ
Acetone	50*	10 UJ	10 U	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	5	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U
Butanone, 2-	50*	10 U	2 J	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ
Carbon disulfide	60*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	7	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloromethane	5	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ
Cyclohexane	NE	10 UJ	66	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ
Dibromochloromethane	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene, 1,2-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene, 1,4-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	5	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Dichloroethane, 1,1-	5	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U

Table 2-9
Summary of Expanded Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 1 (OU-1)

Operable Unit:		OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1
Sample Name:	NYS	BMW-39D	BMW-40S	BMW-40I	BMW-40I2	BMW-40D	BMW-41S	BMW-41I	BMW-41I2	BMW-41D	Duplicate of: BMW-41D	MW-09S	MW-09I2
Screened Interval:	AWQS	65-70 ft	5-15 ft	25-30 ft	45-50 ft	70-75 ft	6-16 ft	25-30 ft	45-50 ft	65-70 ft	65-70 ft	4-14 ft	45-50 ft
Sample Date:		9/14/2009	9/15/2009	9/15/2009	9/16/2009	9/16/2009	9/15/2009	9/15/2009	9/15/2009	9/15/2009	9/15/2009	9/11/2009	9/11/2009
Dichloroethane, 1,2-	0.6	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene, 1,1-	0.07	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U
Dichloroethene, cis-1,2-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U
Dichloropropane, 1,2-	1	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dioxane, 1,4-	NE	R	R	R	R	R	R	R	R	R	R	R	R
Ethanol	NE	R	R	R	R	R	R	R	R	R	R	R	R
Hexane, n-	NE	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isopropyl benzene	5	10 UJ	45 J	10 UJ	10 UJ	10 UJ	200 J	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U
Methyl tert-butyl ether	10*	10 UJ	10 UJ	10 UJ	3 J	10 UJ	10 U	1 J	5 J	10 UJ	10 UJ	10 U	5
Methylene chloride	5	10 U	10 U	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ
Naphthalene	10*	10 UJ	4100 J	4 J	10 U	21	6100 J	10 UJ	10 UJ	10 UJ	10 UJ	3 J	10 U
Propanol, 2-	NE	R	R	R	R	R	R	R	R	R	R	R	R
Propylbenzene, n-	5	10 UJ	16 J	10 UJ	10 UJ	10 UJ	81 J	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U
Styrene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethane, 1,1,1,2-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethane, 1,1,1,2,2-	5	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ
Tetrachloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ
Tetrahydrofuran	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ
Trichloroethane, 1,1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene 1,3,5-/P-ethyltoluene	NE	10 UJ	160	10 U	10 U	2 J	650	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene, 1,2,4-	5	10 UJ	190 J	10 UJ	10 UJ	10 UJ	920 J	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U
Trimethylpentane, 2,2,4-	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	8 J	10 UJ	10 UJ	10 UJ	10 UJ

Table 2-9
Summary of Expanded Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 1 (OU-1)

Operable Unit:		OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1
Sample Name:	NYS	BMW-39D	BMW-40S	BMW-40I	BMW-40I2	BMW-40D	BMW-41S	BMW-41I	BMW-41I2	BMW-41D	Duplicate of: BMW-41D	MW-09S	MW-09I2
Screened Interval:	AWQS	65-70 ft	5-15 ft	25-30 ft	45-50 ft	70-75 ft	6-16 ft	25-30 ft	45-50 ft	65-70 ft	65-70 ft	4-14 ft	45-50 ft
Sample Date:		9/14/2009	9/15/2009	9/15/2009	9/16/2009	9/16/2009	9/15/2009	9/15/2009	9/15/2009	9/15/2009	9/15/2009	9/11/2009	9/11/2009
Non-carcinogenic PAHs (ug/L)													
Acenaphthene	20*	10 U	25	3 J	10 U	10 U	2 J	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	49	3 J	10 U	10 U	4 J	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	4 J	7	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[g,h,i]perylene	NE	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U
Fluoranthene	50*	10 U	2 J	3 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	16	2 J	10 U	10 U	3 J	10 U	10 U	10 U	10 U	10 U	10 U
Methylnaphthalene, 2-	NE	10 U	110 J	10 U	10 U	10 U	150 J	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	1100	1 J	10 U	10 U	3100	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	13	28	10 U	10 U	5	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	3 J	4 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carcinogenic PAHs (ug/L)													
Benz[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz[a,h]anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAHs (ug/L)													
Total PAHs	NE	ND	1322	51	ND	ND	3264	ND	ND	ND	ND	ND	ND
Other SVOCs (ug/L)													
Carbazole	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10 U	10 U
Dibenzofuran	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10 U	10 U
Dichlorobenzene, 1,2-	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10 U	10 U
Dichlorobenzene, 1,4-	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10 U	10 U
Diethyl phthalate	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10 U	10 U
Dimethylphenol, 2,4-	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10 U	10 U
Hexachlorobutadiene	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10 U	10 U

Table 2-9
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 1 (OU-1)

Operable Unit:		OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1
Sample Name:	NYS	MW-09D	OU2MW-48S	Duplicate of: OU2MW-48S	OU2MW-48I	Duplicate of: OU2MW-48I	OU2MW-48I2	OU2MW-48D	OU2MW-49S	OU2MW-49I	OU2MW-49I2	OU2MW-49D
Screened Interval:	AWQS	65-70 ft	3-13 ft	3-13 ft	25-30 ft	25-30 ft	45-50 ft	65-70 ft	3-13 ft	25-30 ft	45-50 ft	63-68 ft
Sample Date:		9/11/2009	9/9/2009	9/9/2009	9/8/2009	9/8/2009	9/8/2009	9/8/2009	9/10/2009	9/10/2009	9/11/2009	9/11/2009
BTEX (ug/L)												
Benzene	1	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	5	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U
Ethylbenzene	5	10 U	2 J	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene, m,p-	5	10 U	4 J	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene, o-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total BTEX	NE	ND	6	7	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs (ug/L)												
Acetaldehyde	8*	10 UJ	10 UJ	10 U	R	R	R	R	10 UJ	10 UJ	10 UJ	10 UJ
Acetone	50*	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U
Bromodichloromethane	50*	3 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Butanone, 2-	50*	10 UJ	10 UJ	10 U	10 UJ	10 UJ	2 J	10 UJ	1 J	10 UJ	10 UJ	10 UJ
Carbon disulfide	60*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	7	290	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloromethane	5	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ
Cyclohexane	NE	10 UJ	7 J	7	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ
Dibromochloromethane	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene, 1,2-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene, 1,4-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	5	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ
Dichloroethane, 1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

Table 2-9
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 1 (OU-1)

Operable Unit:		OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1
Sample Name:	NYS	MW-09D	OU2MW-48S	Duplicate of: OU2MW-48S	OU2MW-48I	Duplicate of: OU2MW-48I	OU2MW-48I2	OU2MW-48D	OU2MW-49S	OU2MW-49I	OU2MW-49I2	OU2MW-49D
Screened Interval:	AWQS	65-70 ft	3-13 ft	3-13 ft	25-30 ft	25-30 ft	45-50 ft	65-70 ft	3-13 ft	25-30 ft	45-50 ft	63-68 ft
Sample Date:		9/11/2009	9/9/2009	9/9/2009	9/8/2009	9/8/2009	9/8/2009	9/8/2009	9/10/2009	9/10/2009	9/11/2009	9/11/2009
Dichloroethane, 1,2-	0.6	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene, 1,1-	0.07	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene, cis-1,2-	5	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 U
Dichloropropane, 1,2-	1	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dioxane, 1,4-	NE	R	R	R	R	R	R	R	R	R	R	R
Ethanol	NE	R	R	R	R	R	R	R	R	R	R	R
Hexane, n-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isopropyl benzene	5	10 U	5 J	6 J	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 U
Methyl tert-butyl ether	10*	7	10 U	10 U	10 U	10 U	1 J	10 U	10 U	10 U	15	10 U
Methylene chloride	5	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 UJ
Naphthalene	10*	10 U	12 J	7	10 U	10 U	10 U	10 U	10 U	10 J	10 UJ	10 U
Propanol, 2-	NE	R	R	R	R	R	R	R	R	R	R	R
Propylbenzene, n-	5	10 U	6 J	8 J	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 U
Styrene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethane, 1,1,1,2-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethane, 1,1,2,2-	5	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 UJ
Tetrachloroethene	5	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 UJ
Tetrahydrofuran	50*	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Trichloroethane, 1,1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene	5	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U
Trimethylbenzene 1,3,5-/P-ethyltoluene	NE	10 U	37 J	44 J	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 U
Trimethylbenzene, 1,2,4-	5	10 U	49 J	63 J	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 U
Trimethylpentane, 2,2,4-	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	4 J	10 UJ

Table 2-9
Summary of Expanded Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 1 (OU-1)

Operable Unit:		OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1
Sample Name:	NYS	MW-09D	OU2MW-48S	Duplicate of: OU2MW-48S	OU2MW-48I	Duplicate of: OU2MW-48I	OU2MW-48I2	OU2MW-48D	OU2MW-49S	OU2MW-49I	OU2MW-49I2	OU2MW-49D
Screened Interval:	AWQS	65-70 ft	3-13 ft	3-13 ft	25-30 ft	25-30 ft	45-50 ft	65-70 ft	3-13 ft	25-30 ft	45-50 ft	63-68 ft
Sample Date:		9/11/2009	9/9/2009	9/9/2009	9/8/2009	9/8/2009	9/8/2009	9/8/2009	9/10/2009	9/10/2009	9/11/2009	9/11/2009
Non-carcinogenic PAHs (ug/L)												
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[g,h,i]perylene	NE	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylnaphthalene, 2-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	4 J	4 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carcinogenic PAHs (ug/L)												
Benz[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz[a,h]anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAHs (ug/L)												
Total PAHs	NE	ND	4	4	ND	ND	ND	ND	ND	ND	ND	ND
Other SVOCs (ug/L)												
Carbazole	NE	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	NE	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobenzene, 1,2-	3	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobenzene, 1,4-	3	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	50*	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dimethylphenol, 2,4-	50*	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	0.5	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 2-9
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 1 (OU-1)

Operable Unit:		OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1
Sample Name:	NYS	OZMW-16S	OZMW-16I	OZMW-16I2	OZMW-16D	OZMW-17S	OZMW-17I	Duplicate of: OZMW-17I	OZMW-17I2	OZMW-17D	OZMW-18S	OZMW-18I
Screened Interval:	AWQS	5-15 ft	20-30 ft	35-45 ft	55-65 ft	5-15 ft	20-30 ft	20-30 ft	35-45 ft	53-63 ft	5-15 ft	20-30 ft
Sample Date:		9/1/2009	9/1/2009	9/2/2009	9/2/2009	7/29/2009	7/29/2009	7/29/2009	7/29/2009	7/29/2009	9/1/2009	9/1/2009
BTEX (ug/L)												
Benzene	1	10 U	160	230	10 U	13	11	11	8	10 U	10 U	110
Toluene	5	10 U	15	16	10 U	4 J	1 J	1 J	10 U	10 U	10 U	13
Ethylbenzene	5	10 U	120	190	10 U	90	25	26	10 U	10 U	2 J	180
Xylene, m,p-	5	10 U	160	140	10 U	120	14	15	10 U	10 U	1 J	71
Xylene, o-	5	10 U	130	110	10 U	110	16	17	10 U	10 U	2 J	75
Total BTEX	NE	ND	585	686	ND	337	67	70	8	ND	5	449
Other VOCs (ug/L)												
Acetaldehyde	8*	10 U	10 U	R	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	50*	10 U	10 U	5 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	5	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ
Butanone, 2-	50*	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ
Carbon disulfide	60*	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	5	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	7	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloromethane	5	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ
Cyclohexane	NE	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ
Dibromochloromethane	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene, 1,2-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene, 1,4-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	5	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ
Dichloroethane, 1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

Table 2-9
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 1 (OU-1)

Operable Unit:		OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1
Sample Name:	NYS	OZMW-16S	OZMW-16I	OZMW-16I2	OZMW-16D	OZMW-17S	OZMW-17I	Duplicate of: OZMW-17I	OZMW-17I2	OZMW-17D	OZMW-18S	OZMW-18I
Screened Interval:	AWQS	5-15 ft	20-30 ft	35-45 ft	55-65 ft	5-15 ft	20-30 ft	20-30 ft	35-45 ft	53-63 ft	5-15 ft	20-30 ft
Sample Date:		9/1/2009	9/1/2009	9/2/2009	9/2/2009	7/29/2009	7/29/2009	7/29/2009	7/29/2009	7/29/2009	9/1/2009	9/1/2009
Dichloroethane, 1,2-	0.6	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene, 1,1-	0.07	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene, cis-1,2-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloropropane, 1,2-	1	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dioxane, 1,4-	NE	R	R	R	R	R	R	R	R	R	R	R
Ethanol	NE	R	R	R	R	R	R	R	R	R	R	R
Hexane, n-	NE	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Isopropyl benzene	5	10 UJ	3 J	16	10 UJ	8 J	2 J	2 J	10 UJ	10 UJ	10 UJ	9 J
Methyl tert-butyl ether	10*	10 U	10 U	10 UJ	10 U	10 U	1 J	1 J	4 J	10 U	10 U	5 J
Methylene chloride	5	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	1300	1600	10 UJ	300	410	400	75	5	10 U	500
Propanol, 2-	NE	R	R	R	R	R	R	R	R	R	R	R
Propylbenzene, n-	5	10 UJ	10 UJ	7	10 UJ	4 J	2 J	3 J	10 U	10 U	10 UJ	6 J
Styrene	5	10 U	110	15	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethane, 1,1,1,2-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethane, 1,1,2,2-	5	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ
Tetrachloroethene	5	10 U	10 U	10 U	10 U	10 U	2 J	2 J	10 U	10 U	10 U	1 J
Tetrahydrofuran	50*	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ
Trichloroethane, 1,1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene 1,3,5-/P-ethyltoluene	NE	10 UJ	94 J	51	10 UJ	44	35	36	10 U	10 U	5 J	68 J
Trimethylbenzene, 1,2,4-	5	10 UJ	53 J	94	10 UJ	71 J	47 J	49 J	6 J	10 UJ	5 J	100 J
Trimethylpentane, 2,2,4-	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ

Table 2-9
Summary of Expanded Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 1 (OU-1)

Operable Unit:		OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1
Sample Name:	NYS	OZMW-16S	OZMW-16I	OZMW-16I2	OZMW-16D	OZMW-17S	OZMW-17I	Duplicate of: OZMW-17I	OZMW-17I2	OZMW-17D	OZMW-18S	OZMW-18I
Screened Interval:	AWQS	5-15 ft	20-30 ft	35-45 ft	55-65 ft	5-15 ft	20-30 ft	20-30 ft	35-45 ft	53-63 ft	5-15 ft	20-30 ft
Sample Date:		9/1/2009	9/1/2009	9/2/2009	9/2/2009	7/29/2009	7/29/2009	7/29/2009	7/29/2009	7/29/2009	9/1/2009	9/1/2009
Non-carcinogenic PAHs (ug/L)												
Acenaphthene	20*	10 U	14	21	10 U	10 U	10 U	10 U	10 U	10 U	10 U	45
Acenaphthylene	NE	10 U	140	120	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 J
Anthracene	50*	10 U	1 J	5 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J
Benzo[g,h,i]perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	22	32	10 U	10 U	10 U	10 U	10 U	10 U	10 U	14
Methylnaphthalene, 2-	NE	10 U	100	190	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	880	1600	1 J	10 U	10 U	10 U	10 U	4 J	10 U	10 U
Phenanthrene	50*	10 U	9	33	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 J
Pyrene	50*	10 U	1 J	1 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 J
Carcinogenic PAHs (ug/L)												
Benz[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz[a,h]anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAHs (ug/L)												
Total PAHs	NE	ND	1167	2002	1	ND	ND	ND	ND	4	ND	68
Other SVOCs (ug/L)												
Carbazole	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobenzene, 1,2-	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobenzene, 1,4-	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dimethylphenol, 2,4-	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 2-9
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 1 (OU-1)

Operable Unit:		OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1
Sample Name:	NYS	OZMW-18I2	OZMW-18D	OZMW-22S	OZMW-22I	OZMW-22I2	OZMW-22D	OZMW-25S	OZMW-25I	OZMW-25I2	OZMW-25D
Screened Interval:	AWQS	35-45 ft	55-65 ft	5-15 ft	20-30 ft	35-45 ft	55-65 ft	5-15 ft	20-30 ft	35-45 ft	55-65 ft
Sample Date:		9/1/2009	9/1/2009	9/2/2009	9/2/2009	9/2/2009	9/2/2009	9/4/2009	9/4/2009	9/4/2009	9/4/2009
BTEX (ug/L)											
Benzene	1	2 J	3 J	41	10 U	10 U	10 U	79	110	25	10 U
Toluene	5	10 U	76	91	10 U	10 U	10 U	25	12	2 J	10 U
Ethylbenzene	5	12	40	4700	3 J	10 U	10 U	730	59	48	10 U
Xylene, m,p-	5	69	140	1200	6 J	10 U	10 U	480 J	38	40	10 U
Xylene, o-	5	21	130	910	8	10 U	10 U	410 J	29	62	10 U
Total BTEX	NE	104	389	6942	17	ND	ND	1724	248	177	ND
Other VOCs (ug/L)											
Acetaldehyde	8*	10 U	10 U	R	10 U	10 U	10 U	R	R	R	10 U
Acetone	50*	10 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ	6 J	10 UJ	10 U
Bromodichloromethane	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	5	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Butanone, 2-	50*	2 J	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U
Carbon disulfide	60*	10 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	5	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 U
Chloroform	7	19	4 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloromethane	5	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U
Cyclohexane	NE	10 UJ	10 UJ	7 J	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U
Dibromochloromethane	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene, 1,2-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene, 1,4-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	5	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U
Dichloroethane, 1,1-	5	10 U	10 U	10 U	10 U	10 U	1 J	10 U	10 U	10 U	10 U

Table 2-9
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 1 (OU-1)

Operable Unit:		OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1
Sample Name:	NYS	OZMW-18I2	OZMW-18D	OZMW-22S	OZMW-22I	OZMW-22I2	OZMW-22D	OZMW-25S	OZMW-25I	OZMW-25I2	OZMW-25D
Screened Interval:	AWQS	35-45 ft	55-65 ft	5-15 ft	20-30 ft	35-45 ft	55-65 ft	5-15 ft	20-30 ft	35-45 ft	55-65 ft
Sample Date:		9/1/2009	9/1/2009	9/2/2009	9/2/2009	9/2/2009	9/2/2009	9/4/2009	9/4/2009	9/4/2009	9/4/2009
Dichloroethane, 1,2-	0.6	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene, 1,1-	0.07	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene, cis-1,2-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloropropane, 1,2-	1	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ
Dioxane, 1,4-	NE	R	R	R	R	R	R	R	R	R	R
Ethanol	NE	R	R	R	R	R	R	R	R	R	R
Hexane, n-	NE	10 UJ	10 UJ	10 UJ	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Isopropyl benzene	5	140 J	4 J	320 J	10 UJ	10 UJ	10 UJ	48	3 J	5 J	10 UJ
Methyl tert-butyl ether	10*	10	7	10 UJ	10 U	3 J	19	2 J	4 J	10 UJ	3 J
Methylene chloride	5	10 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 U
Naphthalene	10*	10000	1900	2200	16 J	10 UJ	10 UJ	3700	1900	580	17 J
Propanol, 2-	NE	R	R	R	R	R	R	R	R	500 U	R
Propylbenzene, n-	5	52 J	10 J	130	10 UJ	10 UJ	10 UJ	28	4 J	10 U	10 UJ
Styrene	5	18	160	10 U	10 U	10 U	10 U	10 U	3 J	10 U	10 U
Tetrachloroethane, 1,1,1,2-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethane, 1,1,2,2-	5	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	5	9	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrahydrofuran	50*	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U
Trichloroethane, 1,1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene 1,3,5-/P-ethyltoluene	NE	430 J	63 J	400 J	10 UJ	10 UJ	10 UJ	270	61	25	10 UJ
Trimethylbenzene, 1,2,4-	5	660 J	130 J	1200	3 J	10 UJ	10 UJ	230 J	120	54	10 UJ
Trimethylpentane, 2,2,4-	NE	10 UJ	10 UJ	10 UJ	10 UJ	7 J	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ

Table 2-9
Summary of Expanded Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 1 (OU-1)

Operable Unit:		OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1
Sample Name:	NYS	OZMW-18I2	OZMW-18D	OZMW-22S	OZMW-22I	OZMW-22I2	OZMW-22D	OZMW-25S	OZMW-25I	OZMW-25I2	OZMW-25D
Screened Interval:	AWQS	35-45 ft	55-65 ft	5-15 ft	20-30 ft	35-45 ft	55-65 ft	5-15 ft	20-30 ft	35-45 ft	55-65 ft
Sample Date:		9/1/2009	9/1/2009	9/2/2009	9/2/2009	9/2/2009	9/2/2009	9/4/2009	9/4/2009	9/4/2009	9/4/2009
Non-carcinogenic PAHs (ug/L)											
Acenaphthene	20*	110 E	8	44	10 U	10 U	10 U	31	18	2 J	10 U
Acenaphthylene	NE	130 E	75	5	10 U	10 U	10 U	100 J	220	10 U	10 U
Anthracene	50*	15	3 J	6	10 U	10 U	10 U	5	8	6	10 U
Benzo[g,h,i]perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	4 J	10 U	2 J	10 U	10 U	10 U	10 U	2 J	3 J	10 U
Fluorene	50*	63	7	32	10 U	10 U	10 U	39	44	20	10 U
Methylnaphthalene, 2-	NE	1300	170	280	10 U	10 U	10 U	660	410	10 U	10 U
Naphthalene	10*	9300	1300	2000	3 J	10 U	10 U	3100	110	10 U	10 U
Phenanthrene	50*	57	22	35	10 U	10 U	10 U	33	35	16	10 U
Pyrene	50*	5 J	1 J	2 J	10 U	10 U	10 U	10 U	2 J	4 J	10 U
Carcinogenic PAHs (ug/L)											
Benz[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz[a,h]anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAHs (ug/L)											
Total PAHs	NE	10984	1586	2406	3	ND	ND	3968	849	51	ND
Other SVOCs (ug/L)											
Carbazole	NE	NA	NA	NA	NA	NA	NA	11	7	2 J	10 U
Dibenzofuran	NE	NA	NA	NA	NA	NA	NA	10 U	6	10 U	10 U
Dichlorobenzene, 1,2-	3	NA	NA	NA	NA	NA	NA	10 U	10 U	10 U	10 U
Dichlorobenzene, 1,4-	3	NA	NA	NA	NA	NA	NA	10 U	10 U	10 U	10 U
Diethyl phthalate	50*	NA	NA	NA	NA	NA	NA	10 U	10 U	10 U	10 U
Dimethylphenol, 2,4-	50*	NA	NA	NA	NA	NA	NA	10 U	10 U	10 U	10 U
Hexachlorobutadiene	0.5	NA	NA	NA	NA	NA	NA	10 U	10 U	10 U	10 U

Table 2-10
 Summary of Total BTEX Statistical Trends
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 1 (OU-1)

Location	Well ID	Number of Data Points	Number of Non-Detects	Median Value	Mann - Kendall Statistic (S)	Probability	Trend (At 90% Significant Level)
Upgradient	BBMW-05D	8	0	758.5	16	0.0478	Increasing
	BBMW-20D	3	0	1359	-1	0.6015	No Trend
	BBMW-20I	8	0	7	-12	0.1234	No Trend
	BBMW-22D	8	0	3126	3	0.7084	No Trend
	BBMW-22I	8	0	40	25	0.0018	Increasing
	BBMW-22S	8	0	8480	14	0.0833	Increasing
	MW-05D	8	3	6	19	0.0155	Increasing
	MW-05S	8	0	8830	-16	0.0478	Decreasing
Downgradient	BBMW-01D	20	1	33.5	40	0.1928	No Trend
	BBMW-01I	20	0	36	-45	0.1431	No Trend
	BBMW-01S	20	0	517	-160	0.0000	Decreasing
	BBMW-23D	14	1	6	-17	0.3381	No Trend
	BBMW-23D2	17	16	0.1	-16	0.1025	No Trend
	BBMW-23I	17	16	0.1	-16	0.1025	No Trend
	BBMW-23S	17	0	10736	-34	0.1613	Decreasing
	OZMW-16I	7	0	441	11	0.0985	Increasing
	OZMW-16I2	7	0	8	15	0.0243	Increasing
	OZMW-16S	7	6	0.1	-6	0.1336	No Trend *
	OZMW-17I	7	0	67	-5	0.4527	No Trend *
	OZMW-17I2	7	5	0.1	9	0.0871	Decreasing
	OZMW-17S	7	0	78	-5	0.4527	No Trend *
	OZMW-18D	7	0	94	15	0.0243	Increasing
	OZMW-18I	7	0	169	1	0.8806	No Trend *
	OZMW-18I2	7	0	104	-5	0.4527	No Trend
	OZMW-18S	7	1	54	-11	0.0985	Decreasing

Shading = Indicates that the normal approximation used to compute the achieved significance level may be poor.

* Statistical trend doesn't use high concentration system near startup, but only the post-startup consistent low concentrations.

Notes:

1. A high positive value of the Mann-Kendall Statistic (S) indicates an increasing statistical trend, and a low negative value of S indicates a decreasing statistical trend.
2. A conservative confidence interval of 90% was used to assess statistical trends with an associated error probability of less than 0.10.

Table 2-11
 Summary of Total PAH Statistical Trends
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 1 (OU-1)

Location	Well ID	Number of Data Points	Number of Non-Detects	Median Value	Mann - Kendall Statistic (S)	Probability	Trend (At 90% Significant Level)
Upgradient	BBMW-05D	8	0	1073	0	1.0000	No Trend
	BBMW-20D	3	0	4688	3	0.1172	No Trend
	BBMW-20I	8	0	256.5	6	0.4579	No Trend
	BBMW-22D	8	0	5546	4	0.6207	No Trend
	BBMW-22I	8	0	4817.5	-4	0.6207	No Trend
	BBMW-22S	8	0	1812.5	4	0.6207	No Trend
	MW-05D	8	0	311	-16	0.0478	Decreasing
	MW-05S	8	0	639	-14	0.0833	Decreasing
Downgradient	BBMW-01D	20	5	31.5	50	0.1017	No Trend
	BBMW-01I	20	0	4530.0	-10	0.7456	No Trend
	BBMW-01S	20	3	185.0	-54	0.0771	Decreasing
	BBMW-23D	14	6	0.1	20	0.2397	No Trend
	BBMW-23D2	17	13	0.1	-16	0.1025	No Trend
	BBMW-23I	17	8	0.1	13	0.5454	No Trend
	BBMW-23S	17	1	1340.0	34	0.1613	No Trend
	OZMW-16D	7	5	0.1	0	1.0000	No Trend
	OZMW-16I	7	0	153.0	1	0.8806	No Trend
	OZMW-16I2	7	2	6.0	10	0.1287	No Trend *
	OZMW-16S	7	4	0.1	-11	0.0365	Decreasing
	OZMW-17D	7	3	2.0	0	1.0000	No Trend
	OZMW-17I	7	3	0.1	-7	0.2412	No Trend *
	OZMW-17I2	7	3	0.1	-3	0.6154	No Trend
	OZMW-17S	7	4	0.1	-11	0.0365	Decreasing
	OZMW-18D	7	1	461.0	1	0.8806	No Trend
	OZMW-18I	7	0	600.0	-9	0.1765	No Trend *
	OZMW-18I2	7	0	8178.0	5	0.4527	No Trend
OZMW-18S	7	3	2.00	-13	0.0295	Decreasing	

Shading = Indicates that the normal approximation used to compute the achieved significance level may be poor.

* Statistical trend doesn't use high concentration system near startup, but only the post-startup consistent low concentrations.

Notes:

1. A high positive value of the Mann-Kendall Statistic (S) indicates an increasing statistical trend, and a low negative value of S indicates a decreasing statistical trend.
2. A conservative confidence interval of 90% was used to assess statistical trends with an associated error probability of less than 0.10.

Table 3-1
 Summary of Groundwater Parameter Data
 Montauk Highway Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Monitoring Well	Apr-04	Aug-04	Dec-04	Mar-05	Jun-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Feb-06	Mar-06	Apr-06	May-06
Conductivity (mS/cm)														
BBMW-25D	0.048	0.047	0.058	0.076	--	0.058	--	--	--	--	--	0.053	--	--
BBMW-25I	0.482	0.577	0.483	0.544	--	0.279	--	--	--	1.010	0.647	0.458	0.386	0.387
BBMW-25S	--	0.465	0.288	0.638	--	0.650	--	--	--	0.467	0.354	0.348	0.300	0.236
OU2MW-01D	--	--	--	--	--	--	--	--	--	--	--	0.520	--	--
OU2MW-01I	--	--	--	--	--	0.456	--	--	0.470	--	0.701	0.506	0.450	0.494
OU2MW-01I2	--	--	--	--	--	--	--	--	0.187	--	0.287	0.186	0.174	0.196
OU2MW-01S	--	--	--	--	--	0.548	--	--	0.609	--	--	0.608	0.482	0.465
OU2MW-01WT	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-02D	--	--	--	--	--	0.037	--	--	--	--	0.049	--	--	--
OU2MW-02I	--	--	--	--	--	0.178	--	--	--	--	0.263	--	--	--
OU2MW-02I2	--	--	--	--	--	0.122	--	--	--	--	0.100	--	--	--
OU2MW-02S	--	--	--	--	--	0.405	--	--	--	--	0.565	0.885	--	--
OU2MW-03D	--	--	--	--	--	--	0.036	--	--	--	--	0.055	--	--
OU2MW-03I	--	--	--	--	--	--	--	--	--	--	--	0.345	--	--
OU2MW-03I2	--	--	--	--	--	--	0.073	--	--	--	--	0.094	--	--
OU2MW-03S	--	--	--	--	--	--	0.452	--	--	--	--	0.636	--	--
OU2MW-04D	--	--	--	--	--	--	0.066	--	--	--	--	0.062	--	--
OU2MW-04I	--	--	--	--	--	--	0.416	--	--	--	--	0.656	--	--
OU2MW-04I2	--	--	--	--	--	--	0.213	--	--	--	--	0.312	--	--
OU2MW-04S	--	--	--	--	--	--	0.554	--	--	--	--	0.733	--	--
OU2MW-04WT	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08D	--	--	--	--	--	--	--	0.036	--	--	0.049	--	--	--
OU2MW-08I	--	--	--	--	--	--	--	0.364	--	--	0.381	--	--	--
OU2MW-08I2	--	--	--	--	--	--	--	0.409	--	--	0.539	--	--	--
OU2MW-08S	--	--	--	--	--	--	--	0.549	--	--	0.646	--	--	--
OU2MW-08WT	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Oxygen (mg/L)														
BBMW-25D	0.0	0.0	0.0	0.4	--	0.3	--	--	--	--	--	0.0	--	--
BBMW-25I	0.0	0.0	0.0	0.3	--	0.8	--	--	20.0	0.0	7.3	13.0	12.0	25.0
BBMW-25S	--	0.0	1.1	1.8	--	3.0	--	--	--	9.9	20.0	26.5	39.0	33.0
OU2MW-01D	--	--	--	--	--	--	--	--	--	--	--	0.0	--	--
OU2MW-01I	--	--	--	--	--	2.4	--	--	0.4	--	20.0	29.0	35.0	37.0
OU2MW-01I2	--	--	--	--	--	--	--	--	0.4	--	0.0	0.0	0.0	0.3
OU2MW-01S	--	--	--	--	--	3.0	--	--	0.4	--	--	0.0	0.0	0.0
OU2MW-01WT	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-02D	--	--	--	--	--	0.9	--	--	--	--	0.0	--	--	--
OU2MW-02I	--	--	--	--	--	0.4	--	--	--	--	0.0	--	--	--
OU2MW-02I2	--	--	--	--	--	0.5	--	--	--	--	0.0	--	--	--
OU2MW-02S	--	--	--	--	--	1.8	--	--	--	--	0.0	0.0	--	--
OU2MW-03D	--	--	--	--	--	--	0.0	--	--	--	--	0.0	--	--
OU2MW-03I	--	--	--	--	--	--	--	--	--	--	--	0.0	--	--
OU2MW-03I2	--	--	--	--	--	--	0.0	--	--	--	--	0.0	--	--
OU2MW-03S	--	--	--	--	--	--	0.0	--	--	--	--	0.0	--	--
OU2MW-04D	--	--	--	--	--	--	0.3	--	--	--	--	0.0	--	--
OU2MW-04I	--	--	--	--	--	--	4.7	--	--	--	--	0.0	--	--
OU2MW-04I2	--	--	--	--	--	--	2.0	--	--	--	--	0.0	--	--
OU2MW-04S	--	--	--	--	--	--	5.3	--	--	--	--	0.0	--	--
OU2MW-04WT	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08D	--	--	--	--	--	--	--	0.0	--	--	0.0	--	--	--
OU2MW-08I	--	--	--	--	--	--	--	0.0	--	--	0.0	--	--	--
OU2MW-08I2	--	--	--	--	--	--	--	0.0	--	--	0.0	--	--	--
OU2MW-08S	--	--	--	--	--	--	--	0.0	--	--	0.0	--	--	--
OU2MW-08WT	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 3-1
 Summary of Groundwater Parameter Data
 Montauk Highway Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Monitoring Well	Apr-04	Aug-04	Dec-04	Mar-05	Jun-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Feb-06	Mar-06	Apr-06	May-06
Oxidation Reduction Potential (mV)														
BBMW-25D	92	67	72	76	--	7	--	--	--	--	--	59	--	--
BBMW-25I	-80	-94	-80	-95	--	217	--	--	--	-88	-52	-38.3	-32.4	17.6
BBMW-25S	--	93	118	115	--	-92	--	--	--	151	148	202	166.9	216
OU2MW-01D	--	--	--	--	--	--	--	--	--	--	--	66	--	--
OU2MW-01I	--	--	--	--	--	15	--	--	-477	--	123	193	148	207
OU2MW-01I2	--	--	--	--	--	--	--	--	-480	--	-54	-37.2	-38.6	-25.9
OU2MW-01S	--	--	--	--	--	-116	--	--	-462	--	--	-101.2	-99.9	-78
OU2MW-01WT	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-02D	--	--	--	--	--	69	--	--	--	--	26	--	--	--
OU2MW-02I	--	--	--	--	--	101	--	--	--	--	51	--	--	--
OU2MW-02I2	--	--	--	--	--	-6	--	--	--	--	-33	--	--	--
OU2MW-02S	--	--	--	--	--	-183	--	--	--	--	-155	-115	--	--
OU2MW-03D	--	--	--	--	--	--	-19	--	--	--	--	43	--	--
OU2MW-03I	--	--	--	--	--	--	--	--	--	--	--	105	--	--
OU2MW-03I2	--	--	--	--	--	--	-61	--	--	--	--	-23	--	--
OU2MW-03S	--	--	--	--	--	--	-158	--	--	--	--	-148	--	--
OU2MW-04D	--	--	--	--	--	--	-104	--	--	--	--	-52	--	--
OU2MW-04I	--	--	--	--	--	--	-120	--	--	--	--	-99	--	--
OU2MW-04I2	--	--	--	--	--	--	-23	--	--	--	--	-56	--	--
OU2MW-04S	--	--	--	--	--	--	-157	--	--	--	--	-157	--	--
OU2MW-04WT	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08D	--	--	--	--	--	--	--	60	--	--	-206	--	--	--
OU2MW-08I	--	--	--	--	--	--	--	-44	--	--	-44	--	--	--
OU2MW-08I2	--	--	--	--	--	--	--	-102	--	--	-125	--	--	--
OU2MW-08S	--	--	--	--	--	--	--	-142	--	--	-129	--	--	--
OU2MW-08WT	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH (std. units)														
BBMW-25D	5.89	5.35	5.71	5.52	--	5.92	--	--	--	--	--	5.75	--	--
BBMW-25I	6.77	6.56	6.55	6.32	--	6.18	--	--	--	6.44	6.49	6.56	6.58	6.51
BBMW-25S	--	6.27	6.23	5.99	--	6.51	--	--	--	6.09	6.28	6.34	6.40	6.50
OU2MW-01D	--	--	--	--	--	--	--	--	--	--	--	5.56	--	--
OU2MW-01I	--	--	--	--	--	6.14	--	--	7.12	--	6.22	6.25	6.28	6.26
OU2MW-01I2	--	--	--	--	--	--	--	--	7.05	--	6.46	6.50	6.53	6.52
OU2MW-01S	--	--	--	--	--	6.61	--	--	7.09	--	--	6.49	6.57	6.50
OU2MW-01WT	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-02D	--	--	--	--	--	5.74	--	--	--	--	5.69	--	--	--
OU2MW-02I	--	--	--	--	--	6.12	--	--	--	--	6.23	--	--	--
OU2MW-02I2	--	--	--	--	--	6.14	--	--	--	--	6.33	--	--	--
OU2MW-02S	--	--	--	--	--	6.88	--	--	--	--	6.97	6.62	--	--
OU2MW-03D	--	--	--	--	--	--	5.83	--	--	--	--	5.91	--	--
OU2MW-03I	--	--	--	--	--	--	--	--	--	--	--	5.84	--	--
OU2MW-03I2	--	--	--	--	--	--	6.43	--	--	--	--	6.32	--	--
OU2MW-03S	--	--	--	--	--	--	6.85	--	--	--	--	6.94	--	--
OU2MW-04D	--	--	--	--	--	--	7.06	--	--	--	--	6.28	--	--
OU2MW-04I	--	--	--	--	--	--	6.66	--	--	--	--	6.52	--	--
OU2MW-04I2	--	--	--	--	--	--	6.25	--	--	--	--	6.24	--	--
OU2MW-04S	--	--	--	--	--	--	6.83	--	--	--	--	6.88	--	--
OU2MW-04WT	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08D	--	--	--	--	--	--	--	5.75	--	--	5.87	--	--	--
OU2MW-08I	--	--	--	--	--	--	--	6.68	--	--	6.40	--	--	--
OU2MW-08I2	--	--	--	--	--	--	--	6.89	--	--	6.68	--	--	--
OU2MW-08S	--	--	--	--	--	--	--	7.18	--	--	6.90	--	--	--
OU2MW-08WT	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 3-1
 Summary of Groundwater Parameter Data
 Montauk Highway Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Monitoring Well	Apr-04	Aug-04	Dec-04	Mar-05	Jun-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Feb-06	Mar-06	Apr-06	May-06
Temperature (deg C)														
BBMW-25D	13.2	15.6	13.1	11.4	--	16.7	--	--	--	--	--	12.4	--	--
BBMW-25I	14.4	15.6	13.9	13.1	--	21.7	--	--	--	13.5	14.0	15.0	13.1	15.9
BBMW-25S	--	19.1	13.8	10.5	--	18.2	--	--	--	13.3	11.2	12.1	12.2	16.4
OU2MW-01D	--	--	--	--	--	--	--	--	--	--	--	11.9	--	--
OU2MW-01I	--	--	--	--	--	18.4	--	--	13.4	--	12.0	14.2	12.8	15.8
OU2MW-01I2	--	--	--	--	--	--	--	--	12.8	--	12.5	13.1	12.4	15.6
OU2MW-01S	--	--	--	--	--	18.4	--	--	15.0	--	--	14.2	12.6	15.9
OU2MW-01WT	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-02D	--	--	--	--	--	17.2	--	--	--	--	11.6	--	--	--
OU2MW-02I	--	--	--	--	--	18.0	--	--	--	--	12.4	--	--	--
OU2MW-02I2	--	--	--	--	--	16.0	--	--	--	--	11.7	--	--	--
OU2MW-02S	--	--	--	--	--	16.7	--	--	--	--	11.8	13.5	--	--
OU2MW-03D	--	--	--	--	--	--	15.0	--	--	--	--	10.8	--	--
OU2MW-03I	--	--	--	--	--	--	--	--	--	--	--	13.1	--	--
OU2MW-03I2	--	--	--	--	--	--	15.7	--	--	--	--	11.9	--	--
OU2MW-03S	--	--	--	--	--	--	16.5	--	--	--	--	12.6	--	--
OU2MW-04D	--	--	--	--	--	--	14.7	--	--	--	--	11.0	--	--
OU2MW-04I	--	--	--	--	--	--	16.0	--	--	--	--	12.2	--	--
OU2MW-04I2	--	--	--	--	--	--	15.2	--	--	--	--	11.3	--	--
OU2MW-04S	--	--	--	--	--	--	15.5	--	--	--	--	12.1	--	--
OU2MW-04WT	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08D	--	--	--	--	--	--	--	16.2	--	--	12.5	--	--	--
OU2MW-08I	--	--	--	--	--	--	--	16.8	--	--	13.3	--	--	--
OU2MW-08I2	--	--	--	--	--	--	--	17.0	--	--	13.1	--	--	--
OU2MW-08S	--	--	--	--	--	--	--	17.6	--	--	14.7	--	--	--
OU2MW-08WT	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 3-1
 Summary of Groundwater Parameter Data
 Montauk Highway Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Monitoring Well	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07
Conductivity (mS/cm)														
BBMW-25D	0.056	--	--	0.084	--	0.100	0.047	--	--	0.034	0.048	0.055	0.063	0.073
BBMW-25I	0.238	0.444	0.604	0.472	0.535	0.626	0.411	0.629	0.586	--	0.474	0.427	0.472	0.417
BBMW-25S	0.232	0.310	0.314	0.303	0.336	0.376	--	0.452	0.359	0.363	--	0.353	0.349	0.277
OU2MW-01D	0.000	--	--	0.035	--	0.041	--	--	--	0.032	0.040	0.034	0.069	0.042
OU2MW-01I	0.546	0.590	0.631	0.500	0.510	0.517	0.340	0.558	0.728	0.507	0.456	0.448	0.666	0.605
OU2MW-01I2	0.209	0.205	0.166	0.063	0.133	0.161	0.097	0.173	0.161	0.067	0.149	0.168	0.188	0.114
OU2MW-01S	0.506	0.539	0.579	0.483	0.643	0.768	0.529	0.819	0.737	--	0.720	0.658	0.787	0.594
OU2MW-01WT	--	--	--	--	--	--	--	--	--	--	--	--	0.710	0.648
OU2MW-02D	0.036	--	--	0.036	--	--	--	--	--	0.050	--	0.042	--	--
OU2MW-02I	0.199	--	--	0.201	--	0.230	--	--	--	0.271	--	0.301	--	--
OU2MW-02I2	0.067	--	--	0.064	--	0.068	--	--	--	0.087	--	0.093	--	--
OU2MW-02S	0.514	--	--	0.406	--	0.444	--	--	--	0.432	--	0.654	--	--
OU2MW-03D	0.036	--	--	0.034	--	0.047	--	--	--	0.051	--	0.065	--	--
OU2MW-03I	0.226	--	--	0.200	--	0.545	--	--	--	0.460	--	0.536	--	--
OU2MW-03I2	0.071	--	--	0.060	--	0.071	--	--	--	0.108	--	0.081	--	--
OU2MW-03S	0.475	--	--	0.557	--	0.047	--	--	--	0.609	--	0.440	--	--
OU2MW-04D	0.047	--	--	0.045	--	0.056	--	--	--	0.063	--	0.040	--	--
OU2MW-04I	0.429	--	--	0.497	--	0.614	--	--	--	0.437	--	0.462	--	--
OU2MW-04I2	0.230	--	--	0.195	--	0.198	--	--	--	0.183	--	0.100	--	--
OU2MW-04S	0.639	--	--	0.535	--	0.680	--	--	--	0.675	--	0.759	--	--
OU2MW-04WT	--	--	--	--	--	--	--	--	--	--	--	--	0.222	--
OU2MW-08D	--	--	0.035	--	--	0.061	--	--	--	0.054	--	--	0.038	0.037
OU2MW-08I	--	--	0.293	--	--	0.433	--	--	--	0.404	--	--	0.373	0.185
OU2MW-08I2	--	--	0.397	--	--	0.775	--	--	--	0.761	--	--	0.461	0.552
OU2MW-08S	--	--	0.564	--	--	0.904	--	--	--	0.778	--	--	0.516	0.999
OU2MW-08WT	--	--	--	--	--	--	--	--	--	--	--	--	0.681	1.380
Dissolved Oxygen (mg/L)														
BBMW-25D	6.5	--	--	20.0	--	27.0	17.0	--	--	16.0	19.0	32.0	29.0	20.0
BBMW-25I	27.0	19.0	20.0	25.0	26.0	14.0	7.0	10.0	20.0	--	26.0	25.0	28.0	20.0
BBMW-25S	24.0	17.0	27.0	32.0	33.0	37.0	--	36.0	35.0	28.0	--	26.0	28.0	20.0
OU2MW-01D	0.0	--	--	0.0	--	0.0	--	--	--	4.0	1.0	0.0	0.0	0.0
OU2MW-01I	35.0	37.0	37.0	31.0	32.0	39.0	28.0	44.0	47.0	41.0	38.0	35.0	26.0	20.0
OU2MW-01I2	3.0	8.0	6.0	15.0	22.0	28.0	33.0	23.0	8.0	3.0	1.0	0.0	7.0	1.3
OU2MW-01S	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	--	0.0	0.0	7.0	1.1
OU2MW-01WT	--	--	--	--	--	--	--	--	--	--	--	--	15.7	16.2
OU2MW-02D	1.6	--	--	0.0	--	--	--	--	--	0.0	--	0.0	--	--
OU2MW-02I	1.6	--	--	0.0	--	0.0	--	--	--	0.0	--	0.0	--	--
OU2MW-02I2	1.5	--	--	0.0	--	0.0	--	--	--	0.0	--	0.0	--	--
OU2MW-02S	1.1	--	--	0.0	--	0.0	--	--	--	20.0	--	0.0	--	--
OU2MW-03D	1.7	--	--	0.0	--	0.0	--	--	--	0.0	--	0.0	--	--
OU2MW-03I	1.7	--	--	0.0	--	0.0	--	--	--	4.1	--	17.8	--	--
OU2MW-03I2	1.9	--	--	0.0	--	0.0	--	--	--	0.0	--	0.0	--	--
OU2MW-03S	1.8	--	--	0.0	--	0.0	--	--	--	0.0	--	0.0	--	--
OU2MW-04D	2.0	--	--	0.0	--	0.0	--	--	--	0.0	--	0.0	--	--
OU2MW-04I	2.1	--	--	0.0	--	0.0	--	--	--	16.4	--	10.1	--	--
OU2MW-04I2	1.9	--	--	0.1	--	0.0	--	--	--	0.0	--	0.0	--	--
OU2MW-04S	1.8	--	--	0.0	--	0.0	--	--	--	0.0	--	0.0	--	--
OU2MW-04WT	--	--	--	--	--	--	--	--	--	--	--	--	7.3	--
OU2MW-08D	--	--	0.0	--	--	0.0	--	--	--	0.0	--	--	2.7	0.0
OU2MW-08I	--	--	0.0	--	--	0.0	--	--	--	0.0	--	--	2.6	0.0
OU2MW-08I2	--	--	0.0	--	--	0.0	--	--	--	0.0	--	--	2.7	1.3
OU2MW-08S	--	--	0.0	--	--	0.0	--	--	--	0.0	--	--	3.0	0.2
OU2MW-08WT	--	--	--	--	--	--	--	--	--	--	--	--	0.0	0.0

Table 3-1
 Summary of Groundwater Parameter Data
 Montauk Highway Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Monitoring Well	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07
Oxidation Reduction Potential (mV)														
BBMW-25D	90	--	--	99	--	172	197	--	--	198	295	278	441	201
BBMW-25I	163	41	10	52.8	49	20	-2	53	69	--	26	40	208	41
BBMW-25S	180	248	137	112.6	146	185	--	260	128	630	--	215	410	201
OU2MW-01D	104	--	--	62	--	69	--	--	--	402	120	-25	50	38
OU2MW-01I	139	298	163	157	149	188	191	223	197	476	237	101	187	207
OU2MW-01I2	-45	93	27	148	53	102	85	140	158	144	137	136	226	82
OU2MW-01S	-104	-52	-117	-71	-67	-61	-70	-54	-89	--	-96	-64	-44	-28
OU2MW-01W1T	--	--	--	--	--	--	--	--	--	--	--	--	226	97
OU2MW-02D	105	--	--	85	--	--	--	--	--	65	--	98	--	--
OU2MW-02I	69	--	--	118.2	--	40	--	--	--	52	--	59	--	--
OU2MW-02I2	-15	--	--	-25	--	-3	--	--	--	-25	--	1	--	--
OU2MW-02S	-176	--	--	-145	--	-131	--	--	--	57	--	-84	--	--
OU2MW-03D	29	--	--	43	--	9	--	--	--	60	--	90	--	--
OU2MW-03I	111	--	--	107	--	131	--	--	--	174	--	218	--	--
OU2MW-03I2	-56	--	--	-27	--	-44	--	--	--	-10	--	-124	--	--
OU2MW-03S	-168	--	--	-154	--	47	--	--	--	-129	--	-187	--	--
OU2MW-04D	-29	--	--	-15	--	-7	--	--	--	2	--	-102	--	--
OU2MW-04I	-120	--	--	-93	--	-88	--	--	--	110	--	69	--	--
OU2MW-04I2	-49	--	--	-31.5	--	-17	--	--	--	2	--	-80	--	--
OU2MW-04S	-165	--	--	-149	--	-138	--	--	--	-119	--	-144	--	--
OU2MW-04W1T	--	--	--	--	--	--	--	--	--	--	--	--	141	--
OU2MW-08D	--	--	-21	--	--	35	--	--	--	74	--	--	85	56
OU2MW-08I	--	--	-55	--	--	-32	--	--	--	3	--	--	-48	7
OU2MW-08I2	--	--	-132	--	--	-117	--	--	--	-69	--	--	-113	-114
OU2MW-08S	--	--	-143	--	--	-128	--	--	--	-94	--	--	-153	-137
OU2MW-08W1T	--	--	--	--	--	--	--	--	--	--	--	--	-3	144
pH (std. units)														
BBMW-25D	5.71	--	--	5.78	--	5.60	6.06	--	--	4.91	4.68	5.58	5.41	6.34
BBMW-25I	6.44	6.10	6.49	6.44	6.29	6.47	5.90	6.20	6.12	--	6.21	6.38	6.22	6.15
BBMW-25S	6.21	5.02	6.41	6.55	6.39	6.11	--	6.24	6.11	6.20	--	6.39	6.23	6.34
OU2MW-01D	4.95	--	--	5.53	--	5.56	--	--	--	6.05	4.81	5.33	6.15	5.43
OU2MW-01I	6.04	5.02	6.20	6.18	6.10	5.96	6.49	5.84	5.90	6.48	5.97	6.15	6.01	5.97
OU2MW-01I2	6.20	5.66	6.33	6.17	5.91	6.08	6.55	5.79	6.03	5.86	5.91	5.49	5.97	6.12
OU2MW-01S	6.34	6.81	6.57	6.48	6.36	6.65	7.01	6.34	6.25	--	6.34	6.18	6.25	6.33
OU2MW-01W1T	--	--	--	--	--	--	--	--	--	--	--	--	6.51	6.32
OU2MW-02D	4.97	--	--	5.27	--	--	--	--	--	5.40	--	5.64	--	--
OU2MW-02I	6.22	--	--	6.26	--	6.61	--	--	--	5.48	--	6.06	--	--
OU2MW-02I2	5.83	--	--	6.11	--	6.43	--	--	--	6.20	--	5.99	--	--
OU2MW-02S	6.81	--	--	6.72	--	7.15	--	--	--	6.26	--	6.49	--	--
OU2MW-03D	5.75	--	--	5.97	--	6.43	--	--	--	5.92	--	5.24	--	--
OU2MW-03I	5.62	--	--	5.81	--	5.99	--	--	--	6.02	--	5.84	--	--
OU2MW-03I2	6.35	--	--	6.33	--	6.67	--	--	--	6.23	--	6.29	--	--
OU2MW-03S	6.79	--	--	6.74	--	6.14	--	--	--	6.72	--	6.98	--	--
OU2MW-04D	6.41	--	--	6.06	--	6.73	--	--	--	6.20	--	6.26	--	--
OU2MW-04I	6.59	--	--	6.21	--	6.73	--	--	--	5.48	--	5.78	--	--
OU2MW-04I2	6.40	--	--	6.56	--	6.64	--	--	--	6.25	--	6.39	--	--
OU2MW-04S	6.91	--	--	6.48	--	7.10	--	--	--	6.78	--	6.93	--	--
OU2MW-04W1T	--	--	--	--	--	--	--	--	--	--	--	--	6.15	--
OU2MW-08D	--	--	5.98	--	--	6.21	--	--	--	5.63	--	--	5.44	5.70
OU2MW-08I	--	--	6.40	--	--	6.80	--	--	--	6.14	--	--	6.37	6.28
OU2MW-08I2	--	--	6.60	--	--	7.00	--	--	--	6.30	--	--	6.61	6.34
OU2MW-08S	--	--	6.78	--	--	7.23	--	--	--	6.64	--	--	6.75	6.81
OU2MW-08W1T	--	--	--	--	--	--	--	--	--	--	--	--	6.31	6.49

Table 3-1
 Summary of Groundwater Parameter Data
 Montauk Highway Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Monitoring Well	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07
Temperature (deg C)														
BBMW-25D	19.1	--	--	16.8	--	15.8	13.0	--	--	11.4	14.1	14.8	16.0	19.5
BBMW-25I	21.0	22.2	17.0	17.2	14.5	16.8	13.7	12.1	13.4	--	15.0	17.0	15.2	18.0
BBMW-25S	20.6	24.0	20.8	20.0	16.2	17.4	--	12.1	10.7	17.5	--	17.6	17.1	19.5
OU2MW-01D	16.3	--	--	18.3	--	16.0	--	--	--	14.9	15.6	14.9	17.9	16.8
OU2MW-01I	16.8	22.1	19.1	17.6	14.0	16.1	11.2	8.5	9.8	15.3	19.9	16.3	19.1	19.3
OU2MW-01I2	16.9	20.2	20.9	17.9	11.2	15.7	12.1	7.5	12.4	15.0	15.0	16.0	15.0	19.6
OU2MW-01S	18.1	23.7	21.0	18.2	16.6	17.0	12.0	8.5	11.4	--	17.8	15.4	15.5	17.6
OU2MW-01WT	--	--	--	--	--	--	--	--	--	--	--	--	17.1	21.3
OU2MW-02D	14.4	--	--	19.9	--	--	--	--	--	11.2	--	12.3	--	--
OU2MW-02I	16.1	--	--	16.6	--	14.0	--	--	--	11.1	--	13.6	--	--
OU2MW-02I2	15.2	--	--	17.9	--	15.1	--	--	--	13.0	--	12.4	--	--
OU2MW-02S	16.3	--	--	17.8	--	17.2	--	--	--	11.5	--	13.2	--	--
OU2MW-03D	14.0	--	--	14.0	--	13.6	--	--	--	11.6	--	12.3	--	--
OU2MW-03I	14.4	--	--	14.5	--	14.0	--	--	--	13.1	--	13.0	--	--
OU2MW-03I2	14.8	--	--	14.2	--	13.8	--	--	--	12.3	--	12.9	--	--
OU2MW-03S	15.0	--	--	15.2	--	13.5	--	--	--	13.4	--	13.0	--	--
OU2MW-04D	15.5	--	--	14.1	--	13.6	--	--	--	11.9	--	12.6	--	--
OU2MW-04I	16.0	--	--	14.6	--	13.9	--	--	--	12.9	--	12.5	--	--
OU2MW-04I2	15.1	--	--	15.9	--	13.9	--	--	--	10.7	--	13.0	--	--
OU2MW-04S	15.5	--	--	15.1	--	14.6	--	--	--	11.2	--	11.8	--	--
OU2MW-04WT	--	--	--	--	--	--	--	--	--	--	--	--	14.3	--
OU2MW-08D	--	--	17.1	--	--	14.5	--	--	--	11.0	--	--	16.9	16.3
OU2MW-08I	--	--	17.1	--	--	15.3	--	--	--	12.1	--	--	18.2	15.9
OU2MW-08I2	--	--	16.1	--	--	14.8	--	--	--	12.1	--	--	17.4	16.4
OU2MW-08S	--	--	18.1	--	--	16.9	--	--	--	12.5	--	--	17.4	17.4
OU2MW-08WT	--	--	--	--	--	--	--	--	--	--	--	--	20.3	20.3

Table 3-1
 Summary of Groundwater Parameter Data
 Montauk Highway Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Monitoring Well	Aug-07	Sep-07	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08
Conductivity (mS/cm)														
BBMW-25D	0.049	0.062	0.057	0.052	0.049	0.063	0.047	0.085	0.072	0.070	0.073	0.117	0.111	0.133
BBMW-25I	--	0.441	0.450	0.433	0.558	0.580	0.504	0.726	0.537	0.491	0.550	0.844	0.815	0.902
BBMW-25S	0.348	0.351	0.440	0.209	0.316	0.267	0.276	0.342	0.203	0.215	0.301	0.466	0.408	0.451
OU2MW-01D	0.038	0.041	0.036	0.034	0.044	0.816	0.036	0.055	0.042	0.060	0.056	0.073	0.078	0.082
OU2MW-01I	0.561	0.636	0.593	0.475	0.523	0.489	0.404	0.906	0.422	0.387	0.488	0.853	0.882	0.953
OU2MW-01I2	0.093	0.062	0.063	0.070	0.102	0.342	0.080	0.105	1.070	1.040	0.620	0.098	0.043	0.043
OU2MW-01S	--	0.510	0.492	0.460	0.582	0.919	0.531	0.900	0.071	0.057	0.072	0.795	0.319	0.830
OU2MW-01WT	--	--	0.513	0.393	0.459	0.598	0.653	--	0.491	0.541	0.544	0.859	0.999	0.900
OU2MW-02D	--	0.038	--	0.035	--	--	0.039	--	--	0.046	--	--	--	0.078
OU2MW-02I	--	0.186	--	0.237	--	--	0.230	--	--	0.201	--	--	--	0.460
OU2MW-02I2	--	0.072	--	0.071	--	--	0.080	--	--	0.064	--	--	--	0.152
OU2MW-02S	--	0.390	--	0.448	--	--	0.453	--	--	0.467	--	--	--	0.913
OU2MW-03D	--	0.039	--	0.036	--	--	0.040	--	--	0.040	--	--	--	0.085
OU2MW-03I	--	0.289	--	0.260	--	--	0.300	--	--	0.324	--	--	--	0.609
OU2MW-03I2	--	0.054	--	0.061	--	--	0.049	--	--	0.052	--	--	--	0.100
OU2MW-03S	--	0.434	--	0.455	--	--	0.618	--	--	0.625	--	--	--	0.900
OU2MW-04D	--	0.048	--	0.048	--	--	0.053	--	--	0.048	--	--	--	0.093
OU2MW-04I	--	0.359	--	0.324	--	--	0.441	--	--	0.196	--	--	--	0.472
OU2MW-04I2	--	0.063	--	0.044	--	--	0.048	--	--	0.063	--	--	--	0.096
OU2MW-04S	--	0.547	--	0.569	--	--	0.650	--	--	0.635	--	--	--	0.960
OU2MW-04WT	--	0.240	--	--	--	--	0.141	--	--	0.139	--	--	--	0.433
OU2MW-08D	0.047	--	--	0.035	--	--	0.037	--	--	--	0.044	--	0.039	--
OU2MW-08I	0.254	--	--	0.303	--	--	0.436	--	--	--	0.576	--	0.479	--
OU2MW-08I2	0.519	--	--	0.562	--	--	0.501	--	--	--	0.641	--	0.634	--
OU2MW-08S	0.617	--	--	0.470	--	--	0.446	--	--	--	0.490	--	0.459	--
OU2MW-08WT	--	0.542	--	--	--	--	0.423	--	--	--	--	--	0.466	--
Dissolved Oxygen (mg/L)														
BBMW-25D	22.0	30.0	41.0	43.0	43.0	48.0	23.0	18.0	25.0	19.0	25.0	29.0	27.0	27.0
BBMW-25I	--	17.7	8.0	19.0	26.0	6.0	12.0	9.0	0.0	4.0	3.0	20.0	15.0	20.0
BBMW-25S	34.0	34.0	15.0	31.0	31.0	28.0	22.0	32.0	31.0	23.0	24.0	31.0	27.0	26.0
OU2MW-01D	0.3	0.0	2.0	4.0	4.0	2.0	1.0	2.0	0.0	3.0	2.0	0.0	0.0	0.0
OU2MW-01I	32.0	45.0	46.0	31.0	48.0	42.0	31.0	11.0	42.0	28.0	18.0	34.0	33.0	32.0
OU2MW-01I2	17.0	17.0	7.4	5.0	5.0	5.0	9.0	5.0	7.0	24.0	21.0	26.0	24.0	14.0
OU2MW-01S	--	0.0	0.0	4.8	4.0	2.0	0.0	0.0	3.0	5.0	4.0	2.0	4.1	4.9
OU2MW-01WT	--	--	11.0	10.0	20.0	19.0	10.0	--	22.0	5.0	21.0	--	--	0.0
OU2MW-02D	--	0.0	--	0.0	--	--	0.0	--	--	0.0	--	--	--	0.0
OU2MW-02I	--	0.0	--	2.1	--	--	1.0	--	--	0.0	--	--	--	0.0
OU2MW-02I2	--	0.0	--	0.0	--	--	0.0	--	--	0.0	--	--	--	0.0
OU2MW-02S	--	0.1	--	10.5	--	--	3.7	--	--	0.0	--	--	--	4.5
OU2MW-03D	--	0.0	--	0.0	--	--	0.0	--	--	0.0	--	--	--	0.0
OU2MW-03I	--	20.0	--	13.6	--	--	20.0	--	--	20.0	--	--	--	4.1
OU2MW-03I2	--	0.0	--	0.0	--	--	0.0	--	--	0.0	--	--	--	17.3
OU2MW-03S	--	0.0	--	0.0	--	--	0.0	--	--	0.0	--	--	--	0.0
OU2MW-04D	--	0.0	--	0.0	--	--	0.0	--	--	0.0	--	--	--	0.0
OU2MW-04I	--	0.0	--	4.7	--	--	0.0	--	--	0.3	--	--	--	0.0
OU2MW-04I2	--	0.0	--	0.0	--	--	0.0	--	--	0.0	--	--	--	0.0
OU2MW-04S	--	0.0	--	0.0	--	--	0.0	--	--	0.1	--	--	--	0.0
OU2MW-04WT	--	0.0	--	--	--	--	4.6	--	--	6.7	--	--	--	2.6
OU2MW-08D	0.0	--	--	0.0	--	--	0.0	--	--	--	0.4	--	0.0	--
OU2MW-08I	0.0	--	--	0.0	--	--	0.0	--	--	--	0.3	--	0.0	--
OU2MW-08I2	0.0	--	--	0.0	--	--	0.0	--	--	--	0.4	--	0.0	--
OU2MW-08S	0.0	--	--	0.0	--	--	--	--	--	--	0.4	--	0.0	--
OU2MW-08WT	--	0.0	--	--	--	--	8.0	--	--	--	--	--	1.3	--

Table 3-1
 Summary of Groundwater Parameter Data
 Montauk Highway Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Monitoring Well	Aug-07	Sep-07	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08
Oxidation Reduction Potential (mV)														
BBMW-25D	265	242	239	288	231	253	218	220	235	238	158	231	115	177
BBMW-25I	--	59	86	107	64	55	11	-6	-30	-41	-60	6	-17	25
BBMW-25S	184	263	172	193	171	195	149	229	207	172	150	193	118	129
OU2MW-01D	-37	101	112	133	26	55	97	109	95	162	110	105	55	86
OU2MW-01I	203	165	209	184	156	190	172	222	177	177	171	225	157	139
OU2MW-01I2	120	200	124	174	87	144	155	175	115	176	157	197	203	116
OU2MW-01S	--	-45	-64	-15	-77	-51	-34	-23	7	-3	-35	-11	-15	-18
OU2MW-01WT	--	--	112	135	130	171	162	--	216	150	72	176	121	41
OU2MW-02D	--	102	--	112	--	--	78	--	--	99	--	--	--	74
OU2MW-02I	--	32	--	73	--	--	22	--	--	-17	--	--	--	-40
OU2MW-02I2	--	-15	--	18	--	--	-11	--	--	3	--	--	--	-17
OU2MW-02S	--	-40	--	65	--	--	75	--	--	-61	--	--	--	-38
OU2MW-03D	--	44	--	78	--	--	41	--	--	35	--	--	--	48
OU2MW-03I	--	199	--	177	--	--	203	--	--	193	--	--	--	170
OU2MW-03I2	--	-16	--	16	--	--	13	--	--	11	--	--	--	45
OU2MW-03S	--	-138	--	-130	--	--	0.134	--	--	-126	--	--	--	-153
OU2MW-04D	--	-23	--	22	--	--	-37	--	--	-43	--	--	--	-31
OU2MW-04I	--	55	--	48	--	--	22	--	--	-4	--	--	--	9
OU2MW-04I2	--	-35	--	10	--	--	130	--	--	-13	--	--	--	-44
OU2MW-04S	--	-132	--	-94	--	--	-133	--	--	-130	--	--	--	-153
OU2MW-04WT	--	83	--	--	--	--	177	--	--	163	--	--	--	117
OU2MW-08D	29	--	--	91	--	--	57	--	--	--	94	--	25	--
OU2MW-08I	-47	--	--	-28	--	--	-39	--	--	--	-26	--	-36	--
OU2MW-08I2	-125	--	--	-94	--	--	-114	--	--	--	-116	--	-106	--
OU2MW-08S	-140	--	--	-131	--	--	--	--	--	--	-136	--	-116	--
OU2MW-08WT	--	97	--	--	--	--	150	--	--	--	--	--	139	--
pH (std. units)														
BBMW-25D	5.01	5.56	5.15	5.27	4.98	4.85	5.13	5.31	5.16	4.74	4.99	5.37	5.37	5.45
BBMW-25I	--	6.69	6.05	6.22	6.29	6.40	5.87	5.98	6.51	6.34	6.09	6.25	6.08	6.12
BBMW-25S	6.06	6.82	6.21	6.19	6.36	5.58	5.89	5.79	6.10	6.16	5.83	6.17	6.15	6.14
OU2MW-01D	5.69	5.57	5.43	5.32	5.81	6.85	5.33	5.31	5.75	5.39	5.22	5.36	5.22	5.60
OU2MW-01I	5.73	6.17	5.35	6.00	6.01	5.64	5.73	5.41	6.11	5.94	5.63	5.93	5.79	5.97
OU2MW-01I2	6.02	6.25	5.73	5.83	6.06	6.59	5.80	5.65	6.20	5.96	5.37	5.85	5.77	6.01
OU2MW-01S	--	6.75	7.00	6.42	6.76	7.13	5.87	5.59	6.23	5.73	5.83	6.01	5.93	5.91
OU2MW-01WT	--	--	6.45	6.67	6.31	6.17	6.08	--	6.56	6.14	6.09	6.40	6.28	6.41
OU2MW-02D	--	5.64	--	5.34	--	--	5.50	--	--	5.07	--	--	--	5.33
OU2MW-02I	--	6.61	--	6.16	--	--	5.98	--	--	5.74	--	--	--	6.19
OU2MW-02I2	--	6.46	--	6.16	--	--	6.01	--	--	6.30	--	--	--	5.98
OU2MW-02S	--	6.63	--	6.29	--	--	6.40	--	--	6.32	--	--	--	6.12
OU2MW-03D	--	6.31	--	5.72	--	--	5.67	--	--	5.87	--	--	--	5.30
OU2MW-03I	--	5.98	--	5.52	--	--	5.38	--	--	5.41	--	--	--	5.40
OU2MW-03I2	--	6.68	--	6.01	--	--	5.83	--	--	5.89	--	--	--	5.45
OU2MW-03S	--	7.42	--	7.00	--	--	6.23	--	--	6.45	--	--	--	6.58
OU2MW-04D	--	6.72	--	6.16	--	--	6.31	--	--	6.37	--	--	--	5.98
OU2MW-04I	--	6.17	--	6.04	--	--	5.75	--	--	6.06	--	--	--	5.90
OU2MW-04I2	--	6.29	--	6.54	--	--	6.01	--	--	6.34	--	--	--	6.00
OU2MW-04S	--	6.59	--	6.96	--	--	6.36	--	--	6.44	--	--	--	6.45
OU2MW-04WT	--	6.70	--	--	--	--	5.84	--	--	5.84	--	--	--	5.93
OU2MW-08D	5.67	--	--	5.51	--	--	5.60	--	--	--	5.18	--	5.52	--
OU2MW-08I	6.30	--	--	6.72	--	--	5.99	--	--	--	5.96	--	6.05	--
OU2MW-08I2	6.56	--	--	7.30	--	--	6.23	--	--	--	6.33	--	6.38	--
OU2MW-08S	6.74	--	--	7.70	--	--	--	--	--	--	6.44	--	6.45	--
OU2MW-08WT	--	6.52	--	--	--	--	6.30	--	--	--	--	--	6.30	--

Table 3-1
 Summary of Groundwater Parameter Data
 Montauk Highway Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Monitoring Well	Aug-07	Sep-07	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08
Temperature (deg C)														
BBMW-25D	20.2	14.5	18.1	11.2	10.1	8.8	7.9	11.6	15.7	15.1	18.6	16.4	19.5	18.0
BBMW-25I	--	18.7	18.4	13.1	11.5	11.3	11.4	12.3	16.7	19.9	18.9	17.6	19.4	18.1
BBMW-25S	22.7	20.8	21.5	14.9	11.6	8.5	9.3	9.9	15.7	16.8	19.8	20.1	20.3	20.9
OU2MW-01D	18.5	19.4	14.3	13.7	11.8	7.9	11.9	12.2	16.9	17.1	20.7	20.8	20.0	19.8
OU2MW-01I	21.6	21.2	14.6	12.2	10.4	9.5	12.4	11.6	18.6	15.8	19.0	19.9	20.1	21.6
OU2MW-01I2	23.0	18.9	14.5	13.6	12.3	7.6	11.4	12.0	16.6	15.3	21.3	21.7	15.3	17.6
OU2MW-01S	--	24.9	15.3	12.3	10.3	9.8	12.3	13.0	15.4	15.9	20.2	20.9	16.3	21.6
OU2MW-01WT	--	--	16.7	14.3	10.6	8.0	7.3	--	12.0	17.2	19.9	21.8	21.0	22.2
OU2MW-02D	--	16.6	--	10.7	--	--	9.3	--	--	11.7	--	--	--	15.5
OU2MW-02I	--	19.8	--	11.4	--	--	8.5	--	--	13.6	--	--	--	19.6
OU2MW-02I2	--	18.8	--	11.6	--	--	9.7	--	--	12.2	--	--	--	15.9
OU2MW-02S	--	21.1	--	11.2	--	--	7.6	--	--	13.5	--	--	--	21.2
OU2MW-03D	--	16.5	--	13.0	--	--	11.1	--	--	12.7	--	--	--	15.7
OU2MW-03I	--	17.0	--	13.8	--	--	12.4	--	--	13.7	--	--	--	16.1
OU2MW-03I2	--	16.5	--	13.3	--	--	11.6	--	--	12.9	--	--	--	15.8
OU2MW-03S	--	17.5	--	15.0	--	--	12.7	--	--	13.0	--	--	--	17.3
OU2MW-04D	--	18.3	--	9.2	--	--	9.1	--	--	14.8	--	--	--	19.4
OU2MW-04I	--	17.9	--	11.5	--	--	11.7	--	--	15.2	--	--	--	18.9
OU2MW-04I2	--	16.2	--	11.7	--	--	9.1	--	--	14.2	--	--	--	20.1
OU2MW-04S	--	18.5	--	10.5	--	--	13.9	--	--	14.2	--	--	--	19.0
OU2MW-04WT	--	20.5	--	--	--	--	4.6	--	--	13.9	--	--	--	21.1
OU2MW-08D	15.9	--	--	13.8	--	--	11.8	--	--	--	14.3	--	16.1	--
OU2MW-08I	16.6	--	--	14.2	--	--	13.2	--	--	--	14.6	--	16.1	--
OU2MW-08I2	16.1	--	--	13.9	--	--	12.5	--	--	--	14.7	--	16.1	--
OU2MW-08S	17.1	--	--	16.0	--	--	--	--	--	--	15.0	--	16.6	--
OU2MW-08WT	--	20.9	--	--	--	--	10.5	--	--	--	--	--	20.9	--

Table 3-1
 Summary of Groundwater Parameter Data
 Montauk Highway Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Monitoring Well	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09
Conductivity (mS/cm)												
BBMW-25D	0.068	0.101	0.080	0.078	0.118	0.118	0.090	0.096	0.063	0.033	0.065	0.061
BBMW-25I	0.469	0.654	0.486	0.553	0.730	0.730	0.682	0.699	0.686	0.567	0.511	0.644
BBMW-25S	0.267	0.320	0.230	0.219	0.637	0.637	0.431	0.363	0.342	0.264	0.285	0.394
OU2MW-01D	0.046	0.056	0.051	0.046	0.063	0.046	0.045	0.063	0.083	0.064	0.054	0.272
OU2MW-01I	0.486	0.610	0.464	0.503	0.616	0.422	0.385	0.612	0.746	0.92	0.558	0.704
OU2MW-01I2	0.061	0.092	0.068	0.068	0.094	0.063	0.095	0.099	0.112	0.116	0.079	0.106
OU2MW-01S	0.447	0.561	0.593	0.621	0.731	0.504	0.654	0.655	0.629	0.648	0.482	0.572
OU2MW-01WT	0.689	0.800	0.596	0.746	0.727	157.000	1.610	2.110	1.420	1.68	0.758	0.691
OU2MW-02D	--	0.057	--	--	0.063	--	--	0.042	--	--	--	0.05
OU2MW-02I	--	0.271	--	--	0.279	--	--	0.279	--	--	--	0.297
OU2MW-02I2	--	0.930	--	--	0.104	--	--	0.070	--	--	--	0.078
OU2MW-02S	--	0.596	--	--	0.479	--	--	0.412	--	--	--	0.674
OU2MW-03D	--	0.057	--	--	0.061	--	--	0.043	--	--	--	0.061
OU2MW-03I	--	0.596	--	--	0.624	--	--	0.513	--	--	--	0.507
OU2MW-03I2	--	0.810	--	--	0.132	--	--	0.102	--	--	--	0.196
OU2MW-03S	--	0.930	--	--	0.600	--	--	0.457	--	--	--	0.812
OU2MW-04D	--	0.069	--	--	0.076	--	--	0.052	--	--	--	0.08
OU2MW-04I	--	0.581	--	--	0.710	--	--	0.507	--	--	--	0.398
OU2MW-04I2	--	0.067	--	--	0.075	--	--	0.250	--	--	--	0.082
OU2MW-04S	--	0.722	--	--	0.721	--	--	0.535	--	--	--	0.637
OU2MW-04WT	--	0.203	--	--	0.179	--	--	0.131	--	--	--	0.187
OU2MW-08D	--	--	0.062	--	0.057	--	--	--	0.061	--	0.066	--
OU2MW-08I	--	--	0.662	--	0.624	--	--	--	0.898	--	0.741	--
OU2MW-08I2	--	--	0.852	--	0.599	--	--	--	0.457	--	0.375	--
OU2MW-08S	--	--	--	--	0.657	--	--	--	0.690	--	0.664	--
OU2MW-08WT	--	--	--	--	0.668	--	--	--	0.646	--	0.562	--
Dissolved Oxygen (mg/L)												
BBMW-25D	33.0	33.0	30.0	22.0	14.6	18.0	16.0	16.0	9.0	13.0	12.0	18.0
BBMW-25I	15.0	12.0	12.0	16.0	2.0	2.0	0.0	0.0	0.0	0.6	4.0	4.0
BBMW-25S	29.0	37.0	36.0	36.0	23.0	23.0	15.0	10.0	8.0	9.0	18.0	23.0
OU2MW-01D	0.0	0.0	0.0	0.0	1.0	2.0	2.0	0.4	0.6	2.0	0.0	0.0
OU2MW-01I	43.0	25.0	32.0	36.0	39.0	32.0	23.0	0.0	0.0	3.0	7.0	23.0
OU2MW-01I2	19.0	21.0	24.0	18.0	34.0	19.0	22.0	17.7	13.0	11.0	6.6	5.0
OU2MW-01S	2.0	4.0	2.0	2.0	5.0	4.0	1.0	0.0	1.0	5.0	0.0	0.0
OU2MW-01WT	--	0.0	--	--	0.0	--	13.0	9.0	3.0	2.0	3.0	13.6
OU2MW-02D	--	0.0	--	--	0.0	--	--	5.2	--	--	--	0.0
OU2MW-02I	--	0.0	--	--	0.0	--	--	5.4	--	--	--	0.0
OU2MW-02I2	--	0.0	--	--	0.0	--	--	5.2	--	--	--	0.0
OU2MW-02S	--	3.5	--	--	12.1	--	--	5.8	--	--	--	0.0
OU2MW-03D	--	0.0	--	--	0.0	--	--	5.9	--	--	--	0.0
OU2MW-03I	--	0.0	--	--	3.8	--	--	9.5	--	--	--	3.9
OU2MW-03I2	--	20.0	--	--	20.0	--	--	18.4	--	--	--	24.0
OU2MW-03S	--	0.0	--	--	0.0	--	--	5.7	--	--	--	0.0
OU2MW-04D	--	0.0	--	--	0.0	--	--	5.2	--	--	--	0.0
OU2MW-04I	--	0.0	--	--	0.0	--	--	9.9	--	--	--	21.0
OU2MW-04I2	--	0.1	--	--	0.0	--	--	5.6	--	--	--	0.0
OU2MW-04S	--	0.3	--	--	0.0	--	--	5.7	--	--	--	0.0
OU2MW-04WT	--	1.9	--	--	5.7	--	--	8.0	--	--	--	1.6
OU2MW-08D	--	--	0.0	--	0.0	--	--	--	0.0	--	0.0	--
OU2MW-08I	--	--	0.0	--	0.0	--	--	--	0.0	--	0.0	--
OU2MW-08I2	--	--	0.0	--	0.0	--	--	--	0.0	--	2.7	--
OU2MW-08S	--	--	--	--	0.0	--	--	--	0.0	--	0.0	--
OU2MW-08WT	--	--	--	--	5.2	--	--	--	4.0	--	3.9	--

Table 3-1
 Summary of Groundwater Parameter Data
 Montauk Highway Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Monitoring Well	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09
Oxidation Reduction Potential (mV)												
BBMW-25D	191	187	178	105	179	227	201	185	182	288	122	212
BBMW-25I	59	2	10	27	-38	-38	-77	-98	-70	-43	-10	-21
BBMW-25S	155	184	135	94	144	183	149	118	181	211	97	167
OU2MW-01D	57	210	148	141	145	103	261	58	80	250	-35	114
OU2MW-01I	170	179	146	93	146	235	220	119	103	351	82	158
OU2MW-01I2	124	146	170	99	130	189	146	120	85	226	106	182
OU2MW-01S	-19	-2	-11	-23	-10	58	33	-23	15	14	-128	14
OU2MW-01WT	-2	-5	22	8	100	127	54	5	-76	-18	-122	119
OU2MW-02D	--	63	--	--	73	--	--	151	--	--	--	74
OU2MW-02I	--	-34	--	--	-35	--	--	-46	--	--	--	-59
OU2MW-02I2	--	8	--	--	-9	--	--	23	--	--	--	32
OU2MW-02S	--	2	--	--	47	--	--	0	--	--	--	-134
OU2MW-03D	--	50	--	--	48	--	--	73	--	--	--	62
OU2MW-03I	--	157	--	--	115	--	--	159	--	--	--	162
OU2MW-03I2	--	62	--	--	76	--	--	97	--	--	--	90
OU2MW-03S	--	-126	--	--	-141	--	--	-113	--	--	--	-118
OU2MW-04D	--	-29	--	--	-63	--	--	-2	--	--	--	-24
OU2MW-04I	--	9	--	--	34	--	--	38	--	--	--	113
OU2MW-04I2	--	-17	--	--	-25	--	--	-10	--	--	--	-25
OU2MW-04S	--	-104	--	--	-142	--	--	-116	--	--	--	-122
OU2MW-04WT	--	121	--	--	77	--	--	176	--	--	--	120
OU2MW-08D	--	--	81	--	64	--	--	--	66	--	45	--
OU2MW-08I	--	--	-21	--	-40	--	--	--	-23	--	-57	--
OU2MW-08I2	--	--	-115	--	-137	--	--	--	-94	--	-158	--
OU2MW-08S	--	--	--	--	-147	--	--	--	-103	--	-129	--
OU2MW-08WT	--	--	--	--	115	--	--	--	142	--	96	--
pH (std. units)												
BBMW-25D	5.19	5.57	4.80	5.35	5.14	5.63	5.70	5.59	4.02	5.07	5.32	5.23
BBMW-25I	6.39	6.27	6.90	6.22	5.88	6.36	6.45	6.78	6.01	6.29	6.24	6.29
BBMW-25S	6.00	6.20	5.54	6.08	5.69	6.07	6.12	6.01	5.10	6.03	6.16	6.09
OU2MW-01D	5.98	5.69	4.85	4.63	5.16	5.62	5.52	5.46	5.99	5.5	5.65	5.2
OU2MW-01I	6.15	5.90	5.88	5.88	5.55	5.92	5.97	5.98	5.84	5.82	5.86	5.71
OU2MW-01I2	6.23	6.25	5.48	5.72	5.66	5.97	5.93	6.06	6.25	6.27	5.99	5.3
OU2MW-01S	6.55	5.88	5.88	5.88	5.65	6.04	5.97	6.24	6.30	6.47	6.31	5.83
OU2MW-01WT	7.02	6.52	6.48	6.46	6.35	6.46	6.48	6.42	6.53	6.42	6.51	6.24
OU2MW-02D	--	5.80	--	--	5.36	--	--	5.52	--	--	--	5.49
OU2MW-02I	--	6.31	--	--	6.01	--	--	6.34	--	--	--	6.22
OU2MW-02I2	--	6.16	--	--	5.96	--	--	5.87	--	--	--	5.8
OU2MW-02S	--	6.27	--	--	5.92	--	--	6.35	--	--	--	6.55
OU2MW-03D	--	6.04	--	--	5.76	--	--	5.82	--	--	--	6.96
OU2MW-03I	--	5.86	--	--	5.68	--	--	5.94	--	--	--	5.44
OU2MW-03I2	--	6.18	--	--	5.76	--	--	5.84	--	--	--	6.6
OU2MW-03S	--	6.64	--	--	6.48	--	--	6.77	--	--	--	6.7
OU2MW-04D	--	6.44	--	--	5.94	--	--	6.08	--	--	--	7.85
OU2MW-04I	--	6.11	--	--	5.50	--	--	5.96	--	--	--	5.61
OU2MW-04I2	--	6.29	--	--	5.72	--	--	6.22	--	--	--	7.83
OU2MW-04S	--	6.61	--	--	6.17	--	--	6.65	--	--	--	6.59
OU2MW-04WT	--	6.21	--	--	5.80	--	--	5.81	--	--	--	5.83
OU2MW-08D	--	--	6.69	--	5.57	--	--	--	5.71	--	5.73	--
OU2MW-08I	--	--	6.16	--	5.94	--	--	--	6.10	--	6.27	--
OU2MW-08I2	--	--	6.53	--	6.37	--	--	--	6.73	--	6.49	--
OU2MW-08S	--	--	--	--	6.34	--	--	--	7.04	--	6.68	--
OU2MW-08WT	--	--	--	--	6.34	--	--	--	6.28	--	6.35	--

Table 3-1
 Summary of Groundwater Parameter Data
 Montauk Highway Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Monitoring Well	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09
Temperature (deg C)												
BBMW-25D	13.7	10.7	11.6	9.2	8.1	11.3	12.1	14.2	19.8	16.8	12.1	19.4
BBMW-25I	13.1	12.6	12.4	10.6	10.9	11.9	14.5	15.9	20.9	16.9	18.0	18.5
BBMW-25S	15.7	14.3	12.0	9.6	3.7	12.0	13.5	15.8	22.2	20.9	20.1	20.9
OU2MW-01D	11.1	10.0	8.7	1.7	13.6	14.4	13.5	13.1	19.8	16.4	19.6	18.3
OU2MW-01I	12.3	5.3	6.6	5.1	14.7	12.1	13.7	15.0	17.1	17.2	18.8	21.0
OU2MW-01I2	11.6	10.8	7.0	5.5	12.6	15.5	13.4	15.0	20.8	17.5	20.4	16.9
OU2MW-01S	13.3	12.4	7.7	6.1	12.3	13.9	13.5	14.1	13.6	16.6	18.9	18.2
OU2MW-01WT	14.9	13.6	8.7	5.3	9.1	10.5	13.0	14.4	22.4	20.3	21.0	24.2
OU2MW-02D	--	11.4	--	--	10.4	--	--	20.0	--	--	--	21.2
OU2MW-02I	--	11.7	--	--	11.0	--	--	17.9	--	--	--	20.4
OU2MW-02I2	--	12.2	--	--	10.2	--	--	20.4	--	--	--	17.2
OU2MW-02S	--	12.8	--	--	10.9	--	--	18.0	--	--	--	21.6
OU2MW-03D	--	13.0	--	--	11.8	--	--	12.7	--	--	--	14.7
OU2MW-03I	--	14.0	--	--	13.1	--	--	13.8	--	--	--	15.0
OU2MW-03I2	--	13.3	--	--	12.1	--	--	13.1	--	--	--	15.0
OU2MW-03S	--	15.2	--	--	13.1	--	--	13.0	--	--	--	16.0
OU2MW-04D	--	11.1	--	--	6.5	--	--	13.7	--	--	--	15.0
OU2MW-04I	--	10.2	--	--	7.5	--	--	14.0	--	--	--	14.7
OU2MW-04I2	--	10.8	--	--	5.5	--	--	13.0	--	--	--	15.5
OU2MW-04S	--	10.0	--	--	7.6	--	--	12.3	--	--	--	15.2
OU2MW-04WT	--	9.9	--	--	4.9	--	--	11.6	--	--	--	19.0
OU2MW-08D	--	--	13.0	--	12.8	--	--	--	14.6	--	16.3	--
OU2MW-08I	--	--	13.3	--	13.4	--	--	--	15.6	--	16.7	--
OU2MW-08I2	--	--	12.5	--	12.9	--	--	--	16.6	--	16.5	--
OU2MW-08S	--	--	--	--	14.1	--	--	--	16.1	--	17.0	--
OU2MW-08WT	--	--	--	--	10.0	--	--	--	17.8	--	20.0	--

Notes:
 - Not Measured
 mS/cm - milli-siemens per centimeter
 mg/L - milligrams/Liter
 mV - milli-volt

Table 3-2
 Summary of Groundwater Parameter Data
 Manatuck Lane Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Monitoring Well	Apr-04	Aug-04	Dec-04	Mar-05	Jun-05	Aug-05	Sep-05	Oct-05	Nov-05
Conductivity (mS/cm)									
GMP-01	--	0.472	0.369	0.413	0.663	0.458	--	--	--
GMP-02	0.479	0.391	0.440	0.493	0.612	0.441	--	--	--
GMP-04	0.442	0.676	0.409	0.325	0.529	0.342	--	--	--
OU2MW-06	--	--	--	--	--	--	--	--	0.214
OU2MW-06S	--	--	--	--	--	--	--	--	--
OU2MW-07	--	--	--	--	--	--	--	--	--
OU2MW-07S	--	--	--	--	--	--	--	--	--
OU2MW-52S	--	--	--	--	--	--	--	--	--
OU2MW-52I	--	--	--	--	--	--	--	--	--
OU2MW-52D	--	--	--	--	--	--	--	--	--
OU2MW-53S	--	--	--	--	--	--	--	--	--
OU2MW-53I	--	--	--	--	--	--	--	--	--
OU2MW-53D	--	--	--	--	--	--	--	--	--
Dissolved Oxygen (mg/L)									
GMP-01	--	0.0	0.0	0.3	0.0	0.0	--	--	--
GMP-02	0.0	0.0	0.0	0.3	0.0	0.0	--	--	--
GMP-04	0.0	0.0	0.0	0.3	0.0	0.0	--	--	--
OU2MW-06	--	--	--	--	--	--	--	--	0.0
OU2MW-06S	--	--	--	--	--	--	--	--	--
OU2MW-07	--	--	--	--	--	--	--	--	--
OU2MW-07S	--	--	--	--	--	--	--	--	--
OU2MW-52S	--	--	--	--	--	--	--	--	--
OU2MW-52I	--	--	--	--	--	--	--	--	--
OU2MW-52D	--	--	--	--	--	--	--	--	--
OU2MW-53S	--	--	--	--	--	--	--	--	--
OU2MW-53I	--	--	--	--	--	--	--	--	--
OU2MW-53D	--	--	--	--	--	--	--	--	--

Table 3-2
 Summary of Groundwater Parameter Data
 Manatuck Lane Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Monitoring Well	Apr-04	Aug-04	Dec-04	Mar-05	Jun-05	Aug-05	Sep-05	Oct-05	Nov-05
Oxidation Reduction Potential (ORP)									
GMP-01	--	-155	-138	-149	-159	-163	--	--	--
GMP-02	-127	-106	-93	-124	-108	-91	--	--	--
GMP-04	-119	-123	-118	-126	-141	-142	--	--	--
OU2MW-06	--	--	--	--	--	--	--	--	-344
OU2MW-06S	--	--	--	--	--	--	--	--	--
OU2MW-07	--	--	--	--	--	--	--	--	--
OU2MW-07S	--	--	--	--	--	--	--	--	--
OU2MW-52S	--	--	--	--	--	--	--	--	--
OU2MW-52I	--	--	--	--	--	--	--	--	--
OU2MW-52D	--	--	--	--	--	--	--	--	--
OU2MW-53S	--	--	--	--	--	--	--	--	--
OU2MW-53I	--	--	--	--	--	--	--	--	--
OU2MW-53D	--	--	--	--	--	--	--	--	--
pH (std. units)									
GMP-01	--	6.84	6.80	6.74	6.85	6.89	--	--	--
GMP-02	6.79	6.53	6.63	6.55	6.63	6.61	--	--	--
GMP-04	6.91	6.74	6.66	6.69	6.83	6.77	--	--	--
OU2MW-06	--	--	--	--	--	--	--	--	7.68
OU2MW-06S	--	--	--	--	--	--	--	--	--
OU2MW-07	--	--	--	--	--	--	--	--	--
OU2MW-07S	--	--	--	--	--	--	--	--	--
OU2MW-52S	--	--	--	--	--	--	--	--	--
OU2MW-52I	--	--	--	--	--	--	--	--	--
OU2MW-52D	--	--	--	--	--	--	--	--	--
OU2MW-53S	--	--	--	--	--	--	--	--	--
OU2MW-53I	--	--	--	--	--	--	--	--	--
OU2MW-53D	--	--	--	--	--	--	--	--	--

Table 3-2
 Summary of Groundwater Parameter Data
 Manatuck Lane Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Monitoring Well	Apr-04	Aug-04	Dec-04	Mar-05	Jun-05	Aug-05	Sep-05	Oct-05	Nov-05
Temperature (deg C)									
GMP-01	--	16.7	12.6	11.9	14.3	16.3	--	--	--
GMP-02	12.3	15.8	12.1	10.0	13.9	15.3	--	--	--
GMP-04	11.9	16.1	13.2	11.1	13.4	16.4	--	--	--
OU2MW-06	--	--	--	--	--	--	--	--	14.7
OU2MW-06S	--	--	--	--	--	--	--	--	--
OU2MW-07	--	--	--	--	--	--	--	--	--
OU2MW-07S	--	--	--	--	--	--	--	--	--
OU2MW-52S	--	--	--	--	--	--	--	--	--
OU2MW-52I	--	--	--	--	--	--	--	--	--
OU2MW-52D	--	--	--	--	--	--	--	--	--
OU2MW-53S	--	--	--	--	--	--	--	--	--
OU2MW-53I	--	--	--	--	--	--	--	--	--
OU2MW-53D	--	--	--	--	--	--	--	--	--

Table 3-2
 Summary of Groundwater Parameter Data
 Manatuck Lane Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Monitoring Well	Dec-05	Feb-06	Mar-06	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06
Conductivity (mS/cm)									
GMP-01	0.785	--	0.603	--	--	0.427	--	0.442	--
GMP-02	0.895	--	0.613	--	--	0.500	--	0.467	--
GMP-04	0.650	--	0.605	--	--	0.550	--	0.433	--
OU2MW-06	--	0.152	0.178	0.188	0.159	0.095	0.086	0.133	0.118
OU2MW-06S	--	--	--	--	--	--	--	--	--
OU2MW-07	--	0.413	--	--	--	0.249	0.356	0.274	0.279
OU2MW-07S	--	--	--	--	--	--	--	--	--
OU2MW-52S	--	--	--	--	--	--	--	--	--
OU2MW-52I	--	--	--	--	--	--	--	--	--
OU2MW-52D	--	--	--	--	--	--	--	--	--
OU2MW-53S	--	--	--	--	--	--	--	--	--
OU2MW-53I	--	--	--	--	--	--	--	--	--
OU2MW-53D	--	--	--	--	--	--	--	--	--
Dissolved Oxygen (mg/L)									
GMP-01	0.0	--	0.0	--	--	1.0	--	0.0	--
GMP-02	0.0	--	11.3	--	--	20.0	--	20.0	--
GMP-04	0.0	--	0.0	--	--	1.2	--	0.0	--
OU2MW-06	--	0.0	0.0	0.1	25.0	26.0	41.0	19.0	30.0
OU2MW-06S	--	--	--	--	--	--	--	--	--
OU2MW-07	--	7.0	--	--	--	40.0	6.0	31.0	36.0
OU2MW-07S	--	--	--	--	--	--	--	--	--
OU2MW-52S	--	--	--	--	--	--	--	--	--
OU2MW-52I	--	--	--	--	--	--	--	--	--
OU2MW-52D	--	--	--	--	--	--	--	--	--
OU2MW-53S	--	--	--	--	--	--	--	--	--
OU2MW-53I	--	--	--	--	--	--	--	--	--
OU2MW-53D	--	--	--	--	--	--	--	--	--

Table 3-2
 Summary of Groundwater Parameter Data
 Manatuck Lane Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Monitoring Well	Dec-05	Feb-06	Mar-06	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06
Oxidation Reduction Potential (ORP)									
GMP-01	-156	--	-164	--	--	-160	--	-174	--
GMP-02	-108	--	82	--	--	109	--	107	--
GMP-04	-139	--	-144	--	--	-132	--	-93	--
OU2MW-06	--	-104	-105	19	218	269	318	191	167
OU2MW-06S	--	--	--	--	--	--	--	--	--
OU2MW-07	--	7	--	--	--	203	204	140	138
OU2MW-07S	--	--	--	--	--	--	--	--	--
OU2MW-52S	--	--	--	--	--	--	--	--	--
OU2MW-52I	--	--	--	--	--	--	--	--	--
OU2MW-52D	--	--	--	--	--	--	--	--	--
OU2MW-53S	--	--	--	--	--	--	--	--	--
OU2MW-53I	--	--	--	--	--	--	--	--	--
OU2MW-53D	--	--	--	--	--	--	--	--	--
pH (std. units)									
GMP-01	6.75	--	6.81	--	--	7.10	--	6.93	--
GMP-02	6.55	--	6.08	--	--	6.20	--	6.28	--
GMP-04	6.75	--	6.75	--	--	6.75	--	6.45	--
OU2MW-06	--	6.87	6.73	6.28	5.36	5.04	4.69	5.61	5.98
OU2MW-06S	--	--	--	--	--	--	--	--	--
OU2MW-07	--	6.33	--	--	--	5.68	5.61	6.10	6.39
OU2MW-07S	--	--	--	--	--	--	--	--	--
OU2MW-52S	--	--	--	--	--	--	--	--	--
OU2MW-52I	--	--	--	--	--	--	--	--	--
OU2MW-52D	--	--	--	--	--	--	--	--	--
OU2MW-53S	--	--	--	--	--	--	--	--	--
OU2MW-53I	--	--	--	--	--	--	--	--	--
OU2MW-53D	--	--	--	--	--	--	--	--	--

Table 3-2
 Summary of Groundwater Parameter Data
 Manatuck Lane Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Monitoring Well	Dec-05	Feb-06	Mar-06	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06
Temperature (deg C)									
GMP-01	13.5	--	12.1	--	--	14.1	--	15.6	--
GMP-02	13.3	--	12.4	--	--	13.6	--	14.9	--
GMP-04	15.2	--	11.9	--	--	13.3	--	16.5	--
OU2MW-06	--	12.0	11.9	10.7	13.9	14.5	16.8	14.7	15.4
OU2MW-06S	--	--	--	--	--	--	--	--	--
OU2MW-07	--	12.3	--	--	--	14.8	17.0	15.7	16.7
OU2MW-07S	--	--	--	--	--	--	--	--	--
OU2MW-52S	--	--	--	--	--	--	--	--	--
OU2MW-52I	--	--	--	--	--	--	--	--	--
OU2MW-52D	--	--	--	--	--	--	--	--	--
OU2MW-53S	--	--	--	--	--	--	--	--	--
OU2MW-53I	--	--	--	--	--	--	--	--	--
OU2MW-53D	--	--	--	--	--	--	--	--	--

Table 3-2
 Summary of Groundwater Parameter Data
 Manatuck Lane Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Monitoring Well	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07
Conductivity (mS/cm)									
GMP-01	--	--	0.866	--	--	--	0.631	0.562	--
GMP-02	--	--	0.640	--	--	--	0.598	0.771	--
GMP-04	--	--	0.742	--	--	--	--	0.524	--
OU2MW-06	0.064	0.259	0.171	0.429	0.437	0.329	0.327	0.284	--
OU2MW-06S	--	--	--	--	--	--	--	--	0.294
OU2MW-07	0.307	0.549	0.289	0.511	0.491	0.319	0.437	0.531	--
OU2MW-07S	--	--	--	--	--	--	--	--	0.167
OU2MW-52S	--	--	--	--	--	--	--	--	--
OU2MW-52I	--	--	--	--	--	--	--	--	--
OU2MW-52D	--	--	--	--	--	--	--	--	--
OU2MW-53S	--	--	--	--	--	--	--	--	--
OU2MW-53I	--	--	--	--	--	--	--	--	--
OU2MW-53D	--	--	--	--	--	--	--	--	--
Dissolved Oxygen (mg/L)									
GMP-01	--	--	1.2	--	--	--	0.0	1.1	--
GMP-02	--	--	15.0	--	--	--	20.0	20.0	--
GMP-04	--	--	1.2	--	--	--	--	0.8	--
OU2MW-06	49.0	51.0	35.0	29.0	20.0	28.0	35.0	30.0	--
OU2MW-06S	--	--	--	--	--	--	--	--	15.7
OU2MW-07	43.0	40.0	35.0	31.0	34.0	40.0	36.0	37.0	--
OU2MW-07S	--	--	--	--	--	--	--	--	20.0
OU2MW-52S	--	--	--	--	--	--	--	--	--
OU2MW-52I	--	--	--	--	--	--	--	--	--
OU2MW-52D	--	--	--	--	--	--	--	--	--
OU2MW-53S	--	--	--	--	--	--	--	--	--
OU2MW-53I	--	--	--	--	--	--	--	--	--
OU2MW-53D	--	--	--	--	--	--	--	--	--

Table 3-2
 Summary of Groundwater Parameter Data
 Manatuck Lane Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Monitoring Well	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07
Oxidation Reduction Potential (ORP)									
GMP-01	--	--	-168	--	--	--	-249	-168	--
GMP-02	--	--	114	--	--	--	8	164	--
GMP-04	--	--	-59	--	--	--	--	-37	--
OU2MW-06	171	150	239	52	-171	180	232	229	--
OU2MW-06S	--	--	--	--	--	--	--	--	349
OU2MW-07	150	101	230	57	-154	228	185	198	--
OU2MW-07S	--	--	--	--	--	--	--	--	399
OU2MW-52S	--	--	--	--	--	--	--	--	--
OU2MW-52I	--	--	--	--	--	--	--	--	--
OU2MW-52D	--	--	--	--	--	--	--	--	--
OU2MW-53S	--	--	--	--	--	--	--	--	--
OU2MW-53I	--	--	--	--	--	--	--	--	--
OU2MW-53D	--	--	--	--	--	--	--	--	--
pH (std. units)									
GMP-01	--	--	7.28	--	--	--	6.71	6.94	--
GMP-02	--	--	6.63	--	--	--	6.05	6.30	--
GMP-04	--	--	6.82	--	--	--	--	6.44	--
OU2MW-06	6.05	6.11	6.47	5.56	5.68	6.29	5.95	6.03	--
OU2MW-06S	--	--	--	--	--	--	--	--	6.47
OU2MW-07	6.21	6.56	6.35	6.10	6.03	6.52	5.95	6.19	--
OU2MW-07S	--	--	--	--	--	--	--	--	5.88
OU2MW-52S	--	--	--	--	--	--	--	--	--
OU2MW-52I	--	--	--	--	--	--	--	--	--
OU2MW-52D	--	--	--	--	--	--	--	--	--
OU2MW-53S	--	--	--	--	--	--	--	--	--
OU2MW-53I	--	--	--	--	--	--	--	--	--
OU2MW-53D	--	--	--	--	--	--	--	--	--

Table 3-2
 Summary of Groundwater Parameter Data
 Manatuck Lane Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Monitoring Well	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07
Temperature (deg C)									
GMP-01	--	--	14.3	--	--	--	12.2	13.0	--
GMP-02	--	--	13.1	--	--	--	11.9	11.8	--
GMP-04	--	--	15.5	--	--	--	--	11.8	--
OU2MW-06	14.4	13.7	11.7	12.2	7.5	11.8	18.6	18.0	--
OU2MW-06S	--	--	--	--	--	--	--	--	18.8
OU2MW-07	15.7	15.4	13.4	12.8	10.3	11.9	14.0	12.2	--
OU2MW-07S	--	--	--	--	--	--	--	--	16.6
OU2MW-52S	--	--	--	--	--	--	--	--	--
OU2MW-52I	--	--	--	--	--	--	--	--	--
OU2MW-52D	--	--	--	--	--	--	--	--	--
OU2MW-53S	--	--	--	--	--	--	--	--	--
OU2MW-53I	--	--	--	--	--	--	--	--	--
OU2MW-53D	--	--	--	--	--	--	--	--	--

Table 3-2
 Summary of Groundwater Parameter Data
 Manatuck Lane Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Monitoring Well	Aug-07	Sep-07	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08
Conductivity (mS/cm)									
GMP-01	--	0.263	--	--	0.607	--	0.660	--	--
GMP-02	--	0.586	--	--	0.756	--	0.511	--	--
GMP-04	--	0.450	--	--	0.500	--	0.489	--	--
OU2MW-06	0.225	0.314	0.098	0.315	0.308	0.274	0.313	0.440	0.302
OU2MW-06S	--	0.169	0.138	0.216	0.166	0.222	0.196	--	0.420
OU2MW-07	0.334	0.365	0.339	0.339	0.467	0.421	0.358	0.420	0.274
OU2MW-07S	--	0.126	0.116	0.112	0.166	0.253	0.139	--	0.407
OU2MW-52S	--	--	--	--	--	--	--	--	--
OU2MW-52I	--	--	--	--	--	--	--	--	--
OU2MW-52D	--	--	--	--	--	--	--	--	--
OU2MW-53S	--	--	--	--	--	--	--	--	--
OU2MW-53I	--	--	--	--	--	--	--	--	--
OU2MW-53D	--	--	--	--	--	--	--	--	--
Dissolved Oxygen (mg/L)									
GMP-01	--	0.0	--	--	0.0	--	2.8	--	--
GMP-02	--	20.0	--	--	20.0	--	20.0	--	--
GMP-04	--	0.0	--	--	0.0	--	5.4	--	--
OU2MW-06	23.0	23.0	23.0	30.0	32.0	40.0	25.0	16.0	14.0
OU2MW-06S	--	4.0	8.0	15.0	16.0	16.0	8.0	--	27.0
OU2MW-07	12.0	36.0	29.0	34.0	32.0	28.0	25.0	22.0	13.0
OU2MW-07S	--	10.9	17.0	14.0	13.0	8.0	8.0	--	38.0
OU2MW-52S	--	--	--	--	--	--	--	--	--
OU2MW-52I	--	--	--	--	--	--	--	--	--
OU2MW-52D	--	--	--	--	--	--	--	--	--
OU2MW-53S	--	--	--	--	--	--	--	--	--
OU2MW-53I	--	--	--	--	--	--	--	--	--
OU2MW-53D	--	--	--	--	--	--	--	--	--

Table 3-2
 Summary of Groundwater Parameter Data
 Manatuck Lane Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Monitoring Well	Aug-07	Sep-07	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08
Oxidation Reduction Potential (ORP)									
GMP-01	--	-165	--	--	-129	--	-159	--	--
GMP-02	--	130	--	--	346	--	138	--	--
GMP-04	--	-31	--	--	-59	--	-1	--	--
OU2MW-06	198	53	216	350	166	230	220	215	206
OU2MW-06S	--	186	196	358	133	208	159	--	221
OU2MW-07	180	62	201	222	212	204	210	229	219
OU2MW-07S	--	169	175	206	210	192	190	--	225
OU2MW-52S	--	--	--	--	--	--	--	--	--
OU2MW-52I	--	--	--	--	--	--	--	--	--
OU2MW-52D	--	--	--	--	--	--	--	--	--
OU2MW-53S	--	--	--	--	--	--	--	--	--
OU2MW-53I	--	--	--	--	--	--	--	--	--
OU2MW-53D	--	--	--	--	--	--	--	--	--
pH (std. units)									
GMP-01	--	7.81	--	--	6.96	--	7.27	--	--
GMP-02	--	6.08	--	--	5.73	--	6.41	--	--
GMP-04	--	7.05	--	--	6.55	--	5.96	--	--
OU2MW-06	5.74	6.25	5.57	5.08	5.47	6.16	5.59	5.79	6.48
OU2MW-06S	--	6.83	5.92	5.32	5.62	6.47	6.03	--	6.16
OU2MW-07	5.83	6.62	5.56	5.87	6.01	6.43	5.74	5.84	6.10
OU2MW-07S	--	5.84	5.46	5.77	5.76	6.47	5.65	--	6.27
OU2MW-52S	--	--	--	--	--	--	--	--	--
OU2MW-52I	--	--	--	--	--	--	--	--	--
OU2MW-52D	--	--	--	--	--	--	--	--	--
OU2MW-53S	--	--	--	--	--	--	--	--	--
OU2MW-53I	--	--	--	--	--	--	--	--	--
OU2MW-53D	--	--	--	--	--	--	--	--	--

Table 3-2
 Summary of Groundwater Parameter Data
 Manatuck Lane Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Monitoring Well	Aug-07	Sep-07	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08
Temperature (deg C)									
GMP-01	--	18.6	--	--	10.1	--	11.5	--	--
GMP-02	--	17.4	--	--	12.7	--	10.3	--	--
GMP-04	--	19.5	--	--	14.8	--	11.6	--	--
OU2MW-06	18.3	16.5	17.3	11.8	9.2	8.1	9.3	13.5	10.3
OU2MW-06S	--	20.9	18.9	11.5	7.0	4.8	6.1	--	11.9
OU2MW-07	16.7	18.2	17.2	14.7	11.5	11.3	10.4	11.5	11.1
OU2MW-07S	--	22.0	19.3	15.0	9.7	7.9	6.7	--	13.0
OU2MW-52S	--	--	--	--	--	--	--	--	--
OU2MW-52I	--	--	--	--	--	--	--	--	--
OU2MW-52D	--	--	--	--	--	--	--	--	--
OU2MW-53S	--	--	--	--	--	--	--	--	--
OU2MW-53I	--	--	--	--	--	--	--	--	--
OU2MW-53D	--	--	--	--	--	--	--	--	--

Table 3-2
 Summary of Groundwater Parameter Data
 Manatuck Lane Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Monitoring Well	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09
Conductivity (mS/cm)									
GMP-01	--	--	--	0.900	--	--	0.728	--	--
GMP-02	--	--	--	0.412	--	--	--	0.444	--
GMP-04	--	--	--	0.733	--	--	--	0.356	--
OU2MW-06	0.419	0.340	0.544	0.502	0.120	0.450	0.436	0.481	0.461
OU2MW-06S	0.628	0.604	0.391	0.450	0.157	0.255	0.292	0.234	0.216
OU2MW-07	0.294	0.287	0.597	0.614	0.293	0.370	0.367	0.327	0.304
OU2MW-07S	0.442	0.424	0.329	0.306	0.128	0.153	0.208	--	0.226
OU2MW-52S	--	--	--	--	--	--	--	--	--
OU2MW-52I	--	--	--	--	--	--	--	--	--
OU2MW-52D	--	--	--	--	--	--	--	--	--
OU2MW-53S	--	--	--	--	--	--	--	--	--
OU2MW-53I	--	--	--	--	--	--	--	--	--
OU2MW-53D	--	--	--	--	--	--	--	--	--
Dissolved Oxygen (mg/L)									
GMP-01	--	--	--	0.0	--	--	0.0	--	--
GMP-02	--	--	--	20.0	--	--	--	20.0	--
GMP-04	--	--	--	19.0	--	--	--	16.7	--
OU2MW-06	7.0	7.0	22.0	30.0	23.0	31.0	30.0	21.0	21.0
OU2MW-06S	27.0	19.0	5.9	9.0	10.0	8.0	5.0	6.8	15.0
OU2MW-07	8.0	13.0	32.0	29.0	34.0	33.0	34.0	36.0	30.0
OU2MW-07S	35.0	29.0	18.0	14.0	15.0	4.0	10.0	--	17.0
OU2MW-52S	--	--	--	--	--	--	--	--	--
OU2MW-52I	--	--	--	--	--	--	--	--	--
OU2MW-52D	--	--	--	--	--	--	--	--	--
OU2MW-53S	--	--	--	--	--	--	--	--	--
OU2MW-53I	--	--	--	--	--	--	--	--	--
OU2MW-53D	--	--	--	--	--	--	--	--	--

Table 3-2
 Summary of Groundwater Parameter Data
 Manatuck Lane Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Monitoring Well	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09
Oxidation Reduction Potential (ORP)									
GMP-01	--	--	--	-231	--	--	-130	--	--
GMP-02	--	--	--	176	--	--	--	123	--
GMP-04	--	--	--	141	--	--	--	153	--
OU2MW-06	150	120	210	147	146	193	191	139	92
OU2MW-06S	180	144	177	110	120	163	167	85	85
OU2MW-07	211	169	232	179	150	191	201	152	89
OU2MW-07S	189	164	231	170	158	174	132	--	98
OU2MW-52S	--	--	--	--	--	--	--	--	--
OU2MW-52I	--	--	--	--	--	--	--	--	--
OU2MW-52D	--	--	--	--	--	--	--	--	--
OU2MW-53S	--	--	--	--	--	--	--	--	--
OU2MW-53I	--	--	--	--	--	--	--	--	--
OU2MW-53D	--	--	--	--	--	--	--	--	--
pH (std. units)									
GMP-01	--	--	--	6.60	--	--	7.49	--	--
GMP-02	--	--	--	5.72	--	--	--	5.73	--
GMP-04	--	--	--	5.93	--	--	--	4.86	--
OU2MW-06	6.50	6.04	5.95	5.88	5.85	5.79	5.64	5.20	6.08
OU2MW-06S	5.85	5.88	6.21	6.28	6.01	6.18	5.89	5.71	6.30
OU2MW-07	5.88	5.54	5.80	5.67	5.87	6.02	5.51	5.36	5.78
OU2MW-07S	5.85	5.75	5.75	5.40	5.74	5.57	6.54	--	5.73
OU2MW-52S	--	--	--	--	--	--	--	--	--
OU2MW-52I	--	--	--	--	--	--	--	--	--
OU2MW-52D	--	--	--	--	--	--	--	--	--
OU2MW-53S	--	--	--	--	--	--	--	--	--
OU2MW-53I	--	--	--	--	--	--	--	--	--
OU2MW-53D	--	--	--	--	--	--	--	--	--

Table 3-2
 Summary of Groundwater Parameter Data
 Manatuck Lane Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Monitoring Well	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09
Temperature (deg C)									
GMP-01	--	--	--	18.8	--	--	14.2	--	--
GMP-02	--	--	--	17.1	--	--	--	13.2	--
GMP-04	--	--	--	18.5	--	--	--	15.4	--
OU2MW-06	13.3	21.9	16.5	19.8	18.8	13.0	9.2	6.1	3.6
OU2MW-06S	12.3	18.9	21.6	24.4	19.2	14.2	8.8	4.8	1.8
OU2MW-07	13.2	21.0	14.7	19.5	17.4	15.1	14.1	13.8	12.9
OU2MW-07S	14.0	19.1	18.5	22.7	20.2	15.7	14.4	--	8.5
OU2MW-52S	--	--	--	--	--	--	--	--	--
OU2MW-52I	--	--	--	--	--	--	--	--	--
OU2MW-52D	--	--	--	--	--	--	--	--	--
OU2MW-53S	--	--	--	--	--	--	--	--	--
OU2MW-53I	--	--	--	--	--	--	--	--	--
OU2MW-53D	--	--	--	--	--	--	--	--	--

Table 3-2
 Summary of Groundwater Parameter Data
 Manatuck Lane Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Monitoring Well	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09
Conductivity (mS/cm)								
GMP-01	0.934	--	--	0.821	--	--	0.798	--
GMP-02	0.702	--	--	0.564	--	--	0.738	--
GMP-04	0.347	--	--	0.313	--	--	0.238	--
OU2MW-06	0.511	0.401	0.232	0.251	0.320	0.308	0.292	0.182
OU2MW-06S	0.270	0.233	0.721	0.458	0.424	0.466	0.313	0.243
OU2MW-07	0.407	0.328	0.401	0.430	0.380	0.36	0.387	0.496
OU2MW-07S	0.421	0.583	0.457	0.567	0.452	0.279	0.207	0.186
OU2MW-52S	--	--	--	--	--	--	0.069	--
OU2MW-52I	--	--	--	--	--	--	0.501	--
OU2MW-52D	--	--	--	--	--	--	0.303	--
OU2MW-53S	--	--	--	--	--	--	0.119	--
OU2MW-53I	--	--	--	--	--	--	0.079	--
OU2MW-53D	--	--	--	--	--	--	0.337	--
Dissolved Oxygen (mg/L)								
GMP-01	0.0	--	--	0.0	--	--	0	--
GMP-02	20.0	--	--	24.0	--	--	18.81	--
GMP-04	18.1	--	--	0.0	--	--	5.46	--
OU2MW-06	20.0	39.0	23.0	21.0	8.0	10	15.5	17
OU2MW-06S	13.2	20.0	18.0	16.4	1.0	0.8	4.19	6
OU2MW-07	20.0	36.0	4.0	14.9	7.0	11.57	22	30
OU2MW-07S	20.0	24.0	11.0	7.0	6.0	2.98	3	12
OU2MW-52S	--	--	--	--	--	--	0	--
OU2MW-52I	--	--	--	--	--	--	7.5	--
OU2MW-52D	--	--	--	--	--	--	19.4	--
OU2MW-53S	--	--	--	--	--	--	0	--
OU2MW-53I	--	--	--	--	--	--	2.1	--
OU2MW-53D	--	--	--	--	--	--	0	--

Table 3-2
 Summary of Groundwater Parameter Data
 Manatuck Lane Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Monitoring Well	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09
Oxidation Reduction Potential (ORP)								
GMP-01	-197	--	--	-128	--	--	-158	--
GMP-02	142	--	--	304	--	--	273	--
GMP-04	162	--	--	300	--	--	120	--
OU2MW-06	193	219	179	139	231	245	104	201
OU2MW-06S	180	177	163	259	152	198	68	161
OU2MW-07	194	253	167	320	115	146	104	193
OU2MW-07S	201	252	213	371	207	185	41	172
OU2MW-52S	--	--	--	--	--	--	-35	--
OU2MW-52I	--	--	--	--	--	--	85	--
OU2MW-52D	--	--	--	--	--	--	140	--
OU2MW-53S	--	--	--	--	--	--	57	--
OU2MW-53I	--	--	--	--	--	--	56	--
OU2MW-53D	--	--	--	--	--	--	-98	--
pH (std. units)								
GMP-01	6.51	--	--	6.64	--	--	6.81	--
GMP-02	5.88	--	--	6.08	--	--	5	--
GMP-04	6.36	--	--	5.79	--	--	6.12	--
OU2MW-06	6.39	6.06	6.17	6.04	5.54	5.87	5.87	5.78
OU2MW-06S	6.87	6.54	6.49	6.41	5.73	6.18	6.25	6.14
OU2MW-07	6.12	6.00	6.06	6.04	5.94	5.89	6.04	5.83
OU2MW-07S	6.14	5.77	5.71	5.87	5.47	6.05	5.89	5.72
OU2MW-52S	--	--	--	--	--	--	5.34	--
OU2MW-52I	--	--	--	--	--	--	5.94	--
OU2MW-52D	--	--	--	--	--	--	5.48	--
OU2MW-53S	--	--	--	--	--	--	5.83	--
OU2MW-53I	--	--	--	--	--	--	6.56	--
OU2MW-53D	--	--	--	--	--	--	6.71	--

Table 3-2
 Summary of Groundwater Parameter Data
 Manatuck Lane Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Monitoring Well	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09
Temperature (deg C)								
GMP-01	13.5	--	--	13.6	--	--	16.8	--
GMP-02	12.5	--	--	12.7	--	--	14.1	--
GMP-04	13.2	--	--	13.4	--	--	16.09	--
OU2MW-06	11.5	14.4	19.0	18.8	23.7	20.7	21.5	20
OU2MW-06S	17.8	11.9	16.3	19.6	22.3	20.6	24.3	21.2
OU2MW-07	12.3	11.3	12.3	12.9	14.2	16.2	19.4	17.92
OU2MW-07S	7.9	7.7	9.5	12.6	16.7	18.5	22.5	19.99
OU2MW-52S	--	--	--	--	--	--	20	--
OU2MW-52I	--	--	--	--	--	--	16.3	--
OU2MW-52D	--	--	--	--	--	--	16.1	--
OU2MW-53S	--	--	--	--	--	--	19.5	--
OU2MW-53I	--	--	--	--	--	--	14.9	--
OU2MW-53D	--	--	--	--	--	--	15.3	--

Notes:

- Not Measured
- mS/cm - milli-siemens per centimeter
- mg/L - milligrams/Liter
- mV - milli-volt

Table 3-3
 Summary of Groundwater Parameter Data
 Targeted Monitoring Wells for Supplemental Oxygen Injection Systems
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance, and Monitoring Program
 Operable Unit No. 2 (OU-2)

Monitoring Well	Oxygen Injection System	Aug-08	Dec-08	Jan-09	Feb-09	Mar-09
Conductivity (mS/cm)						
OU2MW-281	9 North Clinton	--	--	--	--	1.180
OU2MW-2812	9 North Clinton	--	--	--	--	0.698
OU2MW-28S	9 North Clinton	--	--	--	--	0.631
OU2MW-29D	9 North Clinton	--	--	--	--	0.265
OU2MW-29I	9 North Clinton	--	--	--	--	0.643
OU2MW-29I2	9 North Clinton	--	--	--	--	0.402
OU2MW-30D	9 North Clinton	--	--	--	--	0.661
OU2MW-30D2	9 North Clinton	--	--	--	--	0.607
OU2MW-30I	9 North Clinton	--	--	--	--	0.535
OU2MW-30I2	9 North Clinton	--	--	--	--	0.457
OU2MW-30I3	9 North Clinton	--	--	--	--	0.730
OU2MW-30S	9 North Clinton	--	--	--	--	0.420
OU2MW-311	9 North Clinton	--	0.598	--	--	0.530
OU2MW-3112	9 North Clinton	--	0.324	--	--	0.390
OU2MW-32D	9 North Clinton	--	0.428	--	--	0.308
OU2MW-32I	9 North Clinton	--	0.580	--	--	0.607
OU2MW-32I2	9 North Clinton	--	0.623	--	--	0.534
OU2MW-32S	9 North Clinton	--	0.323	--	--	1.370
OU2MW-35D	33 North Clinton	--	--	--	--	0.313
OU2MW-35I	33 North Clinton	--	--	--	--	0.593
OU2MW-35I2	33 North Clinton	--	--	--	--	0.263
OU2MW-35S	33 North Clinton	--	--	--	--	0.231
OU2MW-36D	33 North Clinton	--	--	--	--	0.228
OU2MW-36I	33 North Clinton	--	--	--	--	0.363
OU2MW-36I2	33 North Clinton	--	--	--	--	0.173
OU2MW-36S	33 North Clinton	--	--	--	--	1.070
OU2MW-37D	33 North Clinton	--	--	--	--	0.872
OU2MW-37I	33 North Clinton	--	--	--	--	0.419
OU2MW-37I2	33 North Clinton	--	--	--	--	0.386
OU2MW-37S	33 North Clinton	--	--	--	--	0.262
OU2MW-39D	33 North Clinton	--	--	--	--	0.133
OU2MW-39I	33 North Clinton	--	--	--	--	0.408
OU2MW-39I2	33 North Clinton	--	--	--	--	0.233
OU2MW-39S	33 North Clinton	--	--	--	--	0.211
OU2MW-42D	33 North Clinton	--	--	--	--	--
OU2MW-42I	33 North Clinton	--	--	--	--	--
OU2MW-42I2	33 North Clinton	--	--	--	--	--
OU2MW-42S	33 North Clinton	--	--	--	--	--
OU2MW-45D	34 North Clinton	--	--	0.417	0.360	0.466
OU2MW-45I	34 North Clinton	--	--	0.493	0.423	0.509
OU2MW-45I2	34 North Clinton	--	--	0.550	0.345	0.451
OU2MW-45S	34 North Clinton	--	--	0.224	0.176	0.245
OU2MW-46I	34 North Clinton	--	--	0.627	0.565	0.745
OU2MW-46I2	34 North Clinton	--	--	0.322	0.233	0.503
OU2MW-46S	34 North Clinton	--	--	0.593	0.525	0.693
OU2MW-47D	34 North Clinton	--	--	0.503	0.386	0.434
OU2MW-47I	34 North Clinton	--	--	0.960	0.662	1.020
OU2MW-47I2	34 North Clinton	--	--	0.719	0.446	0.530
OU2MW-47S	34 North Clinton	--	--	0.350	0.265	0.320

Table 3-3
 Summary of Groundwater Parameter Data
 Targeted Monitoring Wells for Supplemental Oxygen Injection Systems
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance, and Monitoring Program
 Operable Unit No. 2 (OU-2)

Monitoring Well	Oxygen Injection System	Aug-08	Dec-08	Jan-09	Feb-09	Mar-09
Dissolved Oxygen (mg/L)						
OU2MW-281	9 North Clinton	--	--	--	--	0.0
OU2MW-2812	9 North Clinton	--	--	--	--	0.0
OU2MW-28S	9 North Clinton	--	--	--	--	13.2
OU2MW-29D	9 North Clinton	--	--	--	--	0.0
OU2MW-29I	9 North Clinton	--	--	--	--	0.0
OU2MW-29I2	9 North Clinton	--	--	--	--	41.0
OU2MW-30D	9 North Clinton	--	--	--	--	2.1
OU2MW-30D2	9 North Clinton	--	--	--	--	0.0
OU2MW-30I	9 North Clinton	--	--	--	--	1.0
OU2MW-30I2	9 North Clinton	--	--	--	--	2.1
OU2MW-30I3	9 North Clinton	--	--	--	--	15.8
OU2MW-30S	9 North Clinton	--	--	--	--	0.0
OU2MW-311	9 North Clinton	--	0.0	--	--	7.0
OU2MW-3112	9 North Clinton	--	0.0	--	--	24.0
OU2MW-32D	9 North Clinton	--	0.0	--	--	0.0
OU2MW-32I	9 North Clinton	--	0.0	--	--	0.0
OU2MW-32I2	9 North Clinton	--	0.0	--	--	0.0
OU2MW-32S	9 North Clinton	--	0.0	--	--	4.2
OU2MW-35D	33 North Clinton	--	--	--	--	0.0
OU2MW-35I	33 North Clinton	--	--	--	--	0.0
OU2MW-35I2	33 North Clinton	--	--	--	--	0.0
OU2MW-35S	33 North Clinton	--	--	--	--	5.5
OU2MW-36D	33 North Clinton	--	--	--	--	0.0
OU2MW-36I	33 North Clinton	--	--	--	--	0.0
OU2MW-36I2	33 North Clinton	--	--	--	--	0.0
OU2MW-36S	33 North Clinton	--	--	--	--	5.0
OU2MW-37D	33 North Clinton	--	--	--	--	0.0
OU2MW-37I	33 North Clinton	--	--	--	--	0.0
OU2MW-37I2	33 North Clinton	--	--	--	--	0.0
OU2MW-37S	33 North Clinton	--	--	--	--	0.0
OU2MW-39D	33 North Clinton	--	--	--	--	0.0
OU2MW-39I	33 North Clinton	--	--	--	--	7.2
OU2MW-39I2	33 North Clinton	--	--	--	--	0.0
OU2MW-39S	33 North Clinton	--	--	--	--	1.8
OU2MW-42D	33 North Clinton	--	--	--	--	--
OU2MW-42I	33 North Clinton	--	--	--	--	--
OU2MW-42I2	33 North Clinton	--	--	--	--	--
OU2MW-42S	33 North Clinton	--	--	--	--	--
OU2MW-45D	34 North Clinton	--	--	0.0	0.0	4.6
OU2MW-45I	34 North Clinton	--	--	6.6	21.0	20.0
OU2MW-45I2	34 North Clinton	--	--	9.4	28.0	20.0
OU2MW-45S	34 North Clinton	--	--	1.5	9.1	10.7
OU2MW-46I	34 North Clinton	--	--	41.0	41.0	20.0
OU2MW-46I2	34 North Clinton	--	--	13.3	37.0	20.0
OU2MW-46S	34 North Clinton	--	--	27.0	31.0	20.0
OU2MW-47D	34 North Clinton	--	--	11.2	30.0	20.0
OU2MW-47I	34 North Clinton	--	--	0.0	24.0	20.0
OU2MW-47I2	34 North Clinton	--	--	6.8	36.0	20.0
OU2MW-47S	34 North Clinton	--	--	0.0	9.9	20.0

Table 3-3
 Summary of Groundwater Parameter Data
 Targeted Monitoring Wells for Supplemental Oxygen Injection Systems
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance, and Monitoring Program
 Operable Unit No. 2 (OU-2)

Monitoring Well	Oxygen Injection System	Aug-08	Dec-08	Jan-09	Feb-09	Mar-09
Oxidation Reduction Potential (mV)						
OU2MW-28I	9 North Clinton	--	--	--	--	-155
OU2MW-28I2	9 North Clinton	--	--	--	--	102
OU2MW-28S	9 North Clinton	--	--	--	--	119
OU2MW-29D	9 North Clinton	--	--	--	--	-83
OU2MW-29I	9 North Clinton	--	--	--	--	-108
OU2MW-29I2	9 North Clinton	--	--	--	--	86
OU2MW-30D	9 North Clinton	--	--	--	--	85
OU2MW-30D2	9 North Clinton	--	--	--	--	-35
OU2MW-30I	9 North Clinton	--	--	--	--	-74
OU2MW-30I2	9 North Clinton	--	--	--	--	-21
OU2MW-30I3	9 North Clinton	--	--	--	--	77
OU2MW-30S	9 North Clinton	--	--	--	--	38
OU2MW-31I	9 North Clinton	--	-134	--	--	-39
OU2MW-31I2	9 North Clinton	--	-13	--	--	85
OU2MW-32D	9 North Clinton	--	-3	--	--	7
OU2MW-32I	9 North Clinton	--	-130	--	--	-102
OU2MW-32I2	9 North Clinton	--	-118	--	--	-109
OU2MW-32S	9 North Clinton	--	124	--	--	209
OU2MW-35D	33 North Clinton	--	--	--	--	40
OU2MW-35I	33 North Clinton	--	--	--	--	-103
OU2MW-35I2	33 North Clinton	--	--	--	--	162
OU2MW-35S	33 North Clinton	--	--	--	--	-3
OU2MW-36D	33 North Clinton	--	--	--	--	-2
OU2MW-36I	33 North Clinton	--	--	--	--	-8
OU2MW-36I2	33 North Clinton	--	--	--	--	199
OU2MW-36S	33 North Clinton	--	--	--	--	148
OU2MW-37D	33 North Clinton	--	--	--	--	93
OU2MW-37I	33 North Clinton	--	--	--	--	68
OU2MW-37I2	33 North Clinton	--	--	--	--	222
OU2MW-37S	33 North Clinton	--	--	--	--	96
OU2MW-39D	33 North Clinton	--	--	--	--	38
OU2MW-39I	33 North Clinton	--	--	--	--	17
OU2MW-39I2	33 North Clinton	--	--	--	--	128
OU2MW-39S	33 North Clinton	--	--	--	--	147
OU2MW-42D	33 North Clinton	--	--	--	--	--
OU2MW-42I	33 North Clinton	--	--	--	--	--
OU2MW-42I2	33 North Clinton	--	--	--	--	--
OU2MW-42S	33 North Clinton	--	--	--	--	--
OU2MW-45D	34 North Clinton	--	--	122	80	123
OU2MW-45I	34 North Clinton	--	--	-36	27	20
OU2MW-45I2	34 North Clinton	--	--	162	98	160
OU2MW-45S	34 North Clinton	--	--	-59	46	44
OU2MW-46I	34 North Clinton	--	--	68	127	151
OU2MW-46I2	34 North Clinton	--	--	175	164	174
OU2MW-46S	34 North Clinton	--	--	96	126	159
OU2MW-47D	34 North Clinton	--	--	151	161	120
OU2MW-47I	34 North Clinton	--	--	-104	15	44
OU2MW-47I2	34 North Clinton	--	--	144	134	116
OU2MW-47S	34 North Clinton	--	--	-62	21	84

Table 3-3
 Summary of Groundwater Parameter Data
 Targeted Monitoring Wells for Supplemental Oxygen Injection Systems
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance, and Monitoring Program
 Operable Unit No. 2 (OU-2)

Monitoring Well	Oxygen Injection System	Aug-08	Dec-08	Jan-09	Feb-09	Mar-09
pH						
OU2MW-281	9 North Clinton	--	--	--	--	6.36
OU2MW-2812	9 North Clinton	--	--	--	--	5.67
OU2MW-28S	9 North Clinton	--	--	--	--	5.70
OU2MW-29D	9 North Clinton	--	--	--	--	6.31
OU2MW-29I	9 North Clinton	--	--	--	--	6.49
OU2MW-29I2	9 North Clinton	--	--	--	--	6.10
OU2MW-30D	9 North Clinton	--	--	--	--	5.59
OU2MW-30D2	9 North Clinton	--	--	--	--	5.67
OU2MW-30I	9 North Clinton	--	--	--	--	6.16
OU2MW-30I2	9 North Clinton	--	--	--	--	6.04
OU2MW-30I3	9 North Clinton	--	--	--	--	5.72
OU2MW-30S	9 North Clinton	--	--	--	--	5.90
OU2MW-311	9 North Clinton	--	9.22	--	--	6.16
OU2MW-3112	9 North Clinton	--	7.90	--	--	5.69
OU2MW-32D	9 North Clinton	--	7.52	--	--	6.13
OU2MW-32I	9 North Clinton	--	9.14	--	--	6.38
OU2MW-32I2	9 North Clinton	--	9.14	--	--	6.69
OU2MW-32S	9 North Clinton	--	5.75	--	--	5.83
OU2MW-35D	33 North Clinton	--	--	--	--	5.69
OU2MW-35I	33 North Clinton	--	--	--	--	6.71
OU2MW-35I2	33 North Clinton	--	--	--	--	5.34
OU2MW-35S	33 North Clinton	--	--	--	--	6.56
OU2MW-36D	33 North Clinton	--	--	--	--	5.92
OU2MW-36I	33 North Clinton	--	--	--	--	6.42
OU2MW-36I2	33 North Clinton	--	--	--	--	5.28
OU2MW-36S	33 North Clinton	--	--	--	--	6.44
OU2MW-37D	33 North Clinton	--	--	--	--	5.08
OU2MW-37I	33 North Clinton	--	--	--	--	6.31
OU2MW-37I2	33 North Clinton	--	--	--	--	5.56
OU2MW-37S	33 North Clinton	--	--	--	--	6.58
OU2MW-39D	33 North Clinton	--	--	--	--	6.97
OU2MW-39I	33 North Clinton	--	--	--	--	7.49
OU2MW-39I2	33 North Clinton	--	--	--	--	5.60
OU2MW-39S	33 North Clinton	--	--	--	--	5.67
OU2MW-42D	33 North Clinton	--	--	--	--	--
OU2MW-42I	33 North Clinton	--	--	--	--	--
OU2MW-42I2	33 North Clinton	--	--	--	--	--
OU2MW-42S	33 North Clinton	--	--	--	--	--
OU2MW-45D	34 North Clinton	--	--	6.03	6.06	5.54
OU2MW-45I	34 North Clinton	--	--	6.56	6.06	5.73
OU2MW-45I2	34 North Clinton	--	--	6.37	6.17	5.79
OU2MW-45S	34 North Clinton	--	--	6.22	5.91	5.54
OU2MW-46I	34 North Clinton	--	--	6.26	6.34	6.00
OU2MW-46I2	34 North Clinton	--	--	6.00	5.77	5.50
OU2MW-46S	34 North Clinton	--	--	6.42	6.11	5.61
OU2MW-47D	34 North Clinton	--	--	5.55	5.35	5.19
OU2MW-47I	34 North Clinton	--	--	6.55	6.18	5.84
OU2MW-47I2	34 North Clinton	--	--	6.28	6.16	5.91
OU2MW-47S	34 North Clinton	--	--	6.33	5.78	5.44

Table 3-3
 Summary of Groundwater Parameter Data
 Targeted Monitoring Wells for Supplemental Oxygen Injection Systems
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance, and Monitoring Program
 Operable Unit No. 2 (OU-2)

Monitoring Well	Oxygen Injection System	Aug-08	Dec-08	Jan-09	Feb-09	Mar-09
Temperature (degrees Celcius)						
OU2MW-28I	9 North Clinton	--	--	--	--	11.8
OU2MW-28I2	9 North Clinton	--	--	--	--	11.7
OU2MW-28S	9 North Clinton	--	--	--	--	9.3
OU2MW-29D	9 North Clinton	--	--	--	--	11.4
OU2MW-29I	9 North Clinton	--	--	--	--	11.6
OU2MW-29I2	9 North Clinton	--	--	--	--	11.8
OU2MW-30D	9 North Clinton	--	--	--	--	11.9
OU2MW-30D2	9 North Clinton	--	--	--	--	11.9
OU2MW-30I	9 North Clinton	--	--	--	--	12.1
OU2MW-30I2	9 North Clinton	--	--	--	--	11.7
OU2MW-30I3	9 North Clinton	--	--	--	--	12.1
OU2MW-30S	9 North Clinton	--	--	--	--	10.3
OU2MW-31I	9 North Clinton	--	14.4	--	--	11.7
OU2MW-31I2	9 North Clinton	--	14.4	--	--	13.3
OU2MW-32D	9 North Clinton	--	12.1	--	--	8.7
OU2MW-32I	9 North Clinton	--	12.7	--	--	7.4
OU2MW-32I2	9 North Clinton	--	11.8	--	--	10.0
OU2MW-32S	9 North Clinton	--	10.7	--	--	7.8
OU2MW-35D	33 North Clinton	--	--	--	--	12.1
OU2MW-35I	33 North Clinton	--	--	--	--	12.4
OU2MW-35I2	33 North Clinton	--	--	--	--	12.2
OU2MW-35S	33 North Clinton	--	--	--	--	12.7
OU2MW-36D	33 North Clinton	--	--	--	--	11.2
OU2MW-36I	33 North Clinton	--	--	--	--	10.5
OU2MW-36I2	33 North Clinton	--	--	--	--	10.9
OU2MW-36S	33 North Clinton	--	--	--	--	7.3
OU2MW-37D	33 North Clinton	--	--	--	--	12.4
OU2MW-37I	33 North Clinton	--	--	--	--	13.0
OU2MW-37I2	33 North Clinton	--	--	--	--	13.2
OU2MW-37S	33 North Clinton	--	--	--	--	11.1
OU2MW-39D	33 North Clinton	--	--	--	--	11.9
OU2MW-39I	33 North Clinton	--	--	--	--	12.9
OU2MW-39I2	33 North Clinton	--	--	--	--	12.0
OU2MW-39S	33 North Clinton	--	--	--	--	9.2
OU2MW-42D	33 North Clinton	--	--	--	--	--
OU2MW-42I	33 North Clinton	--	--	--	--	--
OU2MW-42I2	33 North Clinton	--	--	--	--	--
OU2MW-42S	33 North Clinton	--	--	--	--	--
OU2MW-45D	34 North Clinton	--	--	13.2	12.0	12.3
OU2MW-45I	34 North Clinton	--	--	13.1	11.8	11.8
OU2MW-45I2	34 North Clinton	--	--	13.3	12.0	12.1
OU2MW-45S	34 North Clinton	--	--	12.4	9.3	9.3
OU2MW-46I	34 North Clinton	--	--	13.4	11.9	12.2
OU2MW-46I2	34 North Clinton	--	--	12.7	9.1	12.6
OU2MW-46S	34 North Clinton	--	--	11.3	9.0	9.6
OU2MW-47D	34 North Clinton	--	--	13.4	12.0	12.3
OU2MW-47I	34 North Clinton	--	--	13.8	12.5	12.3
OU2MW-47I2	34 North Clinton	--	--	13.1	12.6	12.9
OU2MW-47S	34 North Clinton	--	--	12.6	10.5	10.9

Table 3-3
 Summary of Groundwater Parameter Data
 Targeted Monitoring Wells for Supplemental Oxygen Injection Systems
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance, and Monitoring Program
 Operable Unit No. 2 (OU-2)

Monitoring Well	Oxygen Injection System	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09
Conductivity (mS/cm)							
OU2MW-28I	9 North Clinton	0.630	0.573	0.543	0.489	0.429	0.483
OU2MW-28I2	9 North Clinton	0.374	0.346	0.289	0.258	0.282	0.356
OU2MW-28S	9 North Clinton	0.370	0.412	0.367	0.327	0.317	0.317
OU2MW-29D	9 North Clinton	0.285	0.348	0.432	0.427	0.365	0.42
OU2MW-29I	9 North Clinton	0.665	0.702	0.730	0.635	0.58	0.645
OU2MW-29I2	9 North Clinton	0.446	0.511	0.463	0.569	0.606	0.723
OU2MW-30D	9 North Clinton	0.590	0.477	0.748	0.536	0.609	0.681
OU2MW-30D2	9 North Clinton	0.451	0.388	0.525	0.433	0.444	0.432
OU2MW-30I	9 North Clinton	0.596	0.718	0.530	0.633	0.702	0.709
OU2MW-30I2	9 North Clinton	0.429	0.538	0.565	0.595	0.71	0.661
OU2MW-30I3	9 North Clinton	0.595	0.474	0.616	0.507	0.587	0.609
OU2MW-30S	9 North Clinton	0.391	0.412	0.278	0.297	0.322	0.359
OU2MW-31I	9 North Clinton	0.594	0.441	0.615	0.73	0.596	0.496
OU2MW-31I2	9 North Clinton	0.630	0.702	0.461	0.483	0.599	0.574
OU2MW-32D	9 North Clinton	0.358	0.261	0.254	0.377	0.384	0.443
OU2MW-32I	9 North Clinton	0.718	0.670	0.717	0.679	0.569	0.649
OU2MW-32I2	9 North Clinton	0.558	0.459	0.593	0.583	0.592	0.491
OU2MW-32S	9 North Clinton	0.455	0.605	0.519	0.809	0.555	0.808
OU2MW-35D	33 North Clinton	0.414	0.417	0.320	0.403	0.522	0.554
OU2MW-35I	33 North Clinton	0.755	0.691	0.793	0.608	0.442	0.753
OU2MW-35I2	33 North Clinton	0.318	0.252	0.295	0.307	0.291	0.225
OU2MW-35S	33 North Clinton	0.361	0.449	0.465	0.265	0.25	0.397
OU2MW-36D	33 North Clinton	0.344	0.402	0.417	0.42	4.54	0.585
OU2MW-36I	33 North Clinton	0.474	0.485	0.538	0.521	0.689	0.716
OU2MW-36I2	33 North Clinton	0.262	0.262	0.239	0.185	0.191	0.195
OU2MW-36S	33 North Clinton	0.992	0.731	0.968	0.801	0.593	0.4
OU2MW-37D	33 North Clinton	0.990	0.880	0.921	0.807	0.92	0.94
OU2MW-37I	33 North Clinton	0.507	0.464	0.423	0.429	0.55	0.693
OU2MW-37I2	33 North Clinton	0.457	0.592	0.631	0.483	0.455	0.532
OU2MW-37S	33 North Clinton	0.289	0.260	0.237	0.309	0.328	0.407
OU2MW-39D	33 North Clinton	0.138	0.018	0.429	0.6	0.615	0.827
OU2MW-39I	33 North Clinton	0.649	0.491	0.691	0.612	0.692	1.11
OU2MW-39I2	33 North Clinton	0.342	0.351	0.327	0.383	0.573	0.487
OU2MW-39S	33 North Clinton	0.242	0.235	0.382	0.387	0.342	0.315
OU2MW-42D	33 North Clinton	0.761	1.010	1.310	1.43	1.66	1.71
OU2MW-42I	33 North Clinton	0.717	0.747	0.601	0.541	1.05	1.17
OU2MW-42I2	33 North Clinton	0.358	0.382	0.390	0.314	0.331	0.327
OU2MW-42S	33 North Clinton	0.489	0.571	0.525	0.448	0.409	0.823
OU2MW-45D	34 North Clinton	0.413	0.331	0.386	0.318	0.202	0.193
OU2MW-45I	34 North Clinton	0.436	0.378	0.442	0.39	0.31	0.403
OU2MW-45I2	34 North Clinton	0.398	0.323	0.272	0.435	0.376	0.43
OU2MW-45S	34 North Clinton	0.207	0.182	0.160	0.198	0.166	0.326
OU2MW-46I	34 North Clinton	0.750	0.574	0.788	0.852	0.665	0.789
OU2MW-46I2	34 North Clinton	0.586	0.407	0.321	0.477	0.377	0.366
OU2MW-46S	34 North Clinton	0.596	0.557	0.628	1.4	1.21	0.754
OU2MW-47D	34 North Clinton	0.376	0.276	0.279	0.46	0.434	0.621
OU2MW-47I	34 North Clinton	0.722	0.502	0.674	0.565	0.359	0.39
OU2MW-47I2	34 North Clinton	0.513	0.462	0.399	0.575	0.547	0.622
OU2MW-47S	34 North Clinton	0.256	0.177	0.263	0.268	0.222	0.303

Table 3-3
 Summary of Groundwater Parameter Data
 Targeted Monitoring Wells for Supplemental Oxygen Injection Systems
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance, and Monitoring Program
 Operable Unit No. 2 (OU-2)

Monitoring Well	Oxygen Injection System	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09
Dissolved Oxygen (mg/L)							
OU2MW-28I	9 North Clinton	13.9	15.3	27.0	20.0	30.0	37.0
OU2MW-28I2	9 North Clinton	0.0	0.0	0.0	0.0	0.0	0.3
OU2MW-28S	9 North Clinton	22.0	20.0	24.0	20.0	26.0	32.0
OU2MW-29D	9 North Clinton	0.0	0.0	0.0	0.0	0.0	0.0
OU2MW-29I	9 North Clinton	0.0	0.0	0.0	0.0	0.0	10.7
OU2MW-29I2	9 North Clinton	20.0	24.0	32.0	20.0	39.0	46.0
OU2MW-30D	9 North Clinton	32.0	20.0	27.0	19.5	29.0	40.0
OU2MW-30D2	9 North Clinton	29.0	17.6	9.1	3.0	0.0	2.5
OU2MW-30I	9 North Clinton	25.0	18.1	10.6	16.2	27.0	34.0
OU2MW-30I2	9 North Clinton	42.0	45.0	23.0	19.8	25.0	29.0
OU2MW-30I3	9 North Clinton	37.0	29.0	20.0	20.0	25.0	35.0
OU2MW-30S	9 North Clinton	22.0	21.0	13.7	11.6	23.0	28.0
OU2MW-31I	9 North Clinton	9.1	10.2	17.6	26.0	36.0	22.0
OU2MW-31I2	9 North Clinton	24.0	22.0	27.0	23.0	35.0	28.0
OU2MW-32D	9 North Clinton	0.0	6.9	0.0	0.0	0.0	0.4
OU2MW-32I	9 North Clinton	0.0	0.0	0.0	0.0	0.0	0.0
OU2MW-32I2	9 North Clinton	0.0	5.4	0.0	0.0	0.1	0.0
OU2MW-32S	9 North Clinton	0.0	0.0	1.6	0.4	3.2	6.4
OU2MW-35D	33 North Clinton	0.0	0.0	9.2	20.0	30.0	33.0
OU2MW-35I	33 North Clinton	0.0	20.0	27.0	42.0	33.0	36.0
OU2MW-35I2	33 North Clinton	33.0	54.0	37.0	20.0	42.0	39.0
OU2MW-35S	33 North Clinton	5.1	32.0	20.0	34.0	20.0	37.0
OU2MW-36D	33 North Clinton	0.0	0.0	0.0	0.0	3.2	0.0
OU2MW-36I	33 North Clinton	0.0	0.0	0.0	15.4	25.0	25.0
OU2MW-36I2	33 North Clinton	0.0	0.0	0.0	0.0	0.0	0.0
OU2MW-36S	33 North Clinton	6.0	0.0	0.0	5.7	6.3	9.8
OU2MW-37D	33 North Clinton	0.0	0.0	0.0	0.0	3.0	0.0
OU2MW-37I	33 North Clinton	29.0	29.0	20.0	39.0	19.1	40.0
OU2MW-37I2	33 North Clinton	0.2	0.0	0.0	0.0	2.9	0.0
OU2MW-37S	33 North Clinton	12.7	19.8	17.1	29.0	15.6	31.0
OU2MW-39D	33 North Clinton	0.0	0.0	7.6	0.0	3.0	0.0
OU2MW-39I	33 North Clinton	2.7	17.0	20.0	38.0	32.0	19.0
OU2MW-39I2	33 North Clinton	0.0	0.0	7.6	0.0	2.8	0.0
OU2MW-39S	33 North Clinton	1.9	14.7	22.0	19.6	24.0	21.0
OU2MW-42D	33 North Clinton	34.0	23.0	25.0	30.0	20.0	19.1
OU2MW-42I	33 North Clinton	9.4	10.0	17.6	25.0	3.4	22.0
OU2MW-42I2	33 North Clinton	14.5	26.0	32.0	37.0	23.0	35.0
OU2MW-42S	33 North Clinton	0.0	0.0	0.0	4.0	7.0	1.8
OU2MW-45D	34 North Clinton	8.8	14.9	19.3	19.3	19.2	20.0
OU2MW-45I	34 North Clinton	16.2	16.2	16.9	20.0	23.0	25.0
OU2MW-45I2	34 North Clinton	26.0	19.1	26.0	25.0	26.0	22.0
OU2MW-45S	34 North Clinton	9.1	9.6	5.2	5.9	6.6	3.8
OU2MW-46I	34 North Clinton	21.0	36.0	35.0	38.0	44.0	39.0
OU2MW-46I2	34 North Clinton	24.0	38.0	42.0	38.0	40.0	41.0
OU2MW-46S	34 North Clinton	22.0	31.0	20.0	28.0	28.0	34.0
OU2MW-47D	34 North Clinton	23.0	16.6	32.0	27.0	18.6	26.0
OU2MW-47I	34 North Clinton	26.0	26.0	31.0	36.0	38.0	43.0
OU2MW-47I2	34 North Clinton	22.0	31.0	32.0	40.0	40.0	46.0
OU2MW-47S	34 North Clinton	22.0	18.4	36.0	28.0	32.0	33.0

Table 3-3
 Summary of Groundwater Parameter Data
 Targeted Monitoring Wells for Supplemental Oxygen Injection Systems
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance, and Monitoring Program
 Operable Unit No. 2 (OU-2)

Monitoring Well	Oxygen Injection System	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09
Oxidation Reduction Potential (mV)							
OU2MW-28I	9 North Clinton	41	100	204	292	334	160
OU2MW-28I2	9 North Clinton	164	157	272	151	245	123
OU2MW-28S	9 North Clinton	174	134	212	311	340	152
OU2MW-29D	9 North Clinton	-120	-132	-12	-105	-122	-138
OU2MW-29I	9 North Clinton	-88	-94	-55	-69	-18	-14
OU2MW-29I2	9 North Clinton	140	102	185	371	269	202
OU2MW-30D	9 North Clinton	191	170	348	202	352	210
OU2MW-30D2	9 North Clinton	109	147	204	65	82	61
OU2MW-30I	9 North Clinton	41	251	102	105	214	107
OU2MW-30I2	9 North Clinton	160	320	202	197	276	123
OU2MW-30I3	9 North Clinton	188	131	243	161	297	132
OU2MW-30S	9 North Clinton	169	324	224	177	355	196
OU2MW-31I	9 North Clinton	11	88	236	213	354	141
OU2MW-31I2	9 North Clinton	229	339	215	240	363	185
OU2MW-32D	9 North Clinton	-11	2	12	46	41	144
OU2MW-32I	9 North Clinton	-135	-116	-132	-143	-156	-124
OU2MW-32I2	9 North Clinton	-118	-112	-118	-116	-124	-138
OU2MW-32S	9 North Clinton	130	151	125	90	72	129
OU2MW-35D	33 North Clinton	53	101	94	285	285	244
OU2MW-35I	33 North Clinton	-60	197	306	328	124	203
OU2MW-35I2	33 North Clinton	251	306	245	332	368	275
OU2MW-35S	33 North Clinton	14	335	360	331	137	221
OU2MW-36D	33 North Clinton	13	46	39	18	-25	31
OU2MW-36I	33 North Clinton	-7	23	77	123	280	218
OU2MW-36I2	33 North Clinton	226	204	170	154	216	265
OU2MW-36S	33 North Clinton	147	309	206	185	260	150
OU2MW-37D	33 North Clinton	122	140	122	112	-57	120
OU2MW-37I	33 North Clinton	171	215	191	256	290	207
OU2MW-37I2	33 North Clinton	246	202	260	296	64	233
OU2MW-37S	33 North Clinton	146	199	145	312	272	198
OU2MW-39D	33 North Clinton	60	129	78	87	-58	120
OU2MW-39I	33 North Clinton	-20	87	325	306	245	198
OU2MW-39I2	33 North Clinton	135	211	170	168	106	208
OU2MW-39S	33 North Clinton	184	226	331	282	258	198
OU2MW-42D	33 North Clinton	154	357	386	327	311	372
OU2MW-42I	33 North Clinton	2	64	101	122	-21	86
OU2MW-42I2	33 North Clinton	154	255	299	287	302	219
OU2MW-42S	33 North Clinton	-109	-78	-72	-61	-42	-39
OU2MW-45D	34 North Clinton	167	202	268	252	152	165
OU2MW-45I	34 North Clinton	18	38	76	71	63	43
OU2MW-45I2	34 North Clinton	171	133	99	180	200	95
OU2MW-45S	34 North Clinton	66	51	99	120	36	-19
OU2MW-46I	34 North Clinton	167	172	345	286	286	159
OU2MW-46I2	34 North Clinton	217	218	284	305	310	219
OU2MW-46S	34 North Clinton	189	215	253	300	275	197
OU2MW-47D	34 North Clinton	157	128	156	240	167	100
OU2MW-47I	34 North Clinton	91	138	330	288	210	171
OU2MW-47I2	34 North Clinton	178	199	225	324	306	184
OU2MW-47S	34 North Clinton	189	206	340	343	314	206

Table 3-3
 Summary of Groundwater Parameter Data
 Targeted Monitoring Wells for Supplemental Oxygen Injection Systems
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance, and Monitoring Program
 Operable Unit No. 2 (OU-2)

Monitoring Well	Oxygen Injection System	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09
pH							
OU2MW-28I	9 North Clinton	6.08	6.07	5.90	5.79	5.81	5.69
OU2MW-28I2	9 North Clinton	6.05	5.89	5.04	6.12	5.64	6.11
OU2MW-28S	9 North Clinton	6.09	6.14	5.81	6.28	6.00	5.79
OU2MW-29D	9 North Clinton	6.60	6.49	6.95	7.87	6.62	6.38
OU2MW-29I	9 North Clinton	6.49	6.32	6.41	7.16	6.04	7.45
OU2MW-29I2	9 North Clinton	6.38	6.25	5.85	5.25	6.06	5.80
OU2MW-30D	9 North Clinton	6.10	6.04	4.72	5.93	5.63	5.57
OU2MW-30D2	9 North Clinton	5.82	5.66	4.85	5.86	5.88	5.52
OU2MW-30I	9 North Clinton	6.30	6.05	5.95	6.12	5.97	6.28
OU2MW-30I2	9 North Clinton	6.37	5.80	5.78	6.21	5.90	6.00
OU2MW-30I3	9 North Clinton	6.14	6.10	5.01	6.00	5.70	5.56
OU2MW-30S	9 North Clinton	6.39	5.97	5.68	6.34	5.99	5.77
OU2MW-31I	9 North Clinton	6.06	6.17	5.01	6.10	6.08	6.30
OU2MW-31I2	9 North Clinton	5.73	5.39	5.30	5.98	5.84	6.05
OU2MW-32D	9 North Clinton	6.26	6.29	5.93	5.96	6.00	5.69
OU2MW-32I	9 North Clinton	6.79	7.17	7.36	5.80	6.86	6.47
OU2MW-32I2	9 North Clinton	6.82	6.84	7.17	7.17	6.63	6.47
OU2MW-32S	9 North Clinton	6.28	6.05	6.01	4.57	6.20	6.05
OU2MW-35D	33 North Clinton	5.57	6.01	5.67	4.99	4.71	4.60
OU2MW-35I	33 North Clinton	6.55	6.54	6.02	6.18	6.30	6.10
OU2MW-35I2	33 North Clinton	5.46	5.02	4.88	5.44	5.16	5.04
OU2MW-35S	33 North Clinton	6.29	5.81	5.51	5.95	5.87	5.71
OU2MW-36D	33 North Clinton	5.78	5.82	6.10	5.77	5.63	5.58
OU2MW-36I	33 North Clinton	6.37	6.37	6.43	6.14	5.90	5.57
OU2MW-36I2	33 North Clinton	5.14	5.19	5.61	5.19	5.04	4.48
OU2MW-36S	33 North Clinton	6.40	6.15	6.20	6.18	6.13	6.00
OU2MW-37D	33 North Clinton	5.07	5.29	4.56	5.18	5.01	4.80
OU2MW-37I	33 North Clinton	6.23	6.25	5.50	6.11	5.96	6.03
OU2MW-37I2	33 North Clinton	5.52	5.91	4.99	5.45	5.51	5.31
OU2MW-37S	33 North Clinton	6.42	6.42	6.24	6.10	6.07	5.91
OU2MW-39D	33 North Clinton	5.38	4.95	5.11	5.30	5.14	4.97
OU2MW-39I	33 North Clinton	6.39	5.71	5.74	5.94	5.83	5.89
OU2MW-39I2	33 North Clinton	4.95	5.81	4.76	4.92	4.78	4.57
OU2MW-39S	33 North Clinton	6.03	5.57	5.68	6.09	5.85	5.79
OU2MW-42D	33 North Clinton	5.14	4.24	4.09	3.95	3.97	3.33
OU2MW-42I	33 North Clinton	6.46	6.70	6.49	6.39	6.39	6.23
OU2MW-42I2	33 North Clinton	6.02	5.93	5.48	5.63	5.21	5.37
OU2MW-42S	33 North Clinton	6.53	6.57	6.79	6.40	6.15	6.08
OU2MW-45D	34 North Clinton	6.14	5.84	4.13	4.66	6.05	6.01
OU2MW-45I	34 North Clinton	6.33	6.37	4.54	5.81	6.10	5.90
OU2MW-45I2	34 North Clinton	5.28	6.23	6.17	5.05	6.06	5.80
OU2MW-45S	34 North Clinton	6.00	6.17	5.74	5.58	6.26	5.97
OU2MW-46I	34 North Clinton	6.52	6.30	5.95	4.98	6.31	6.52
OU2MW-46I2	34 North Clinton	5.90	6.24	5.81	4.51	5.68	5.74
OU2MW-46S	34 North Clinton	6.13	5.71	6.12	4.55	5.91	5.99
OU2MW-47D	34 North Clinton	5.63	5.80	5.67	4.65	5.52	5.45
OU2MW-47I	34 North Clinton	6.38	6.41	5.98	4.70	6.02	6.32
OU2MW-47I2	34 North Clinton	6.26	6.09	6.13	4.86	5.97	6.13
OU2MW-47S	34 North Clinton	5.90	5.55	5.40	4.34	5.28	5.89

Table 3-3
 Summary of Groundwater Parameter Data
 Targeted Monitoring Wells for Supplemental Oxygen Injection Systems
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance, and Monitoring Program
 Operable Unit No. 2 (OU-2)

Monitoring Well	Oxygen Injection System	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09
Temperature (degrees Celcius)							
OU2MW-28I	9 North Clinton	12.4	14.9	14.9	16.7	18.3	17.4
OU2MW-28I2	9 North Clinton	12.6	12.8	15.9	17.2	17.2	15.6
OU2MW-28S	9 North Clinton	12.2	15.6	20.2	19.6	22.2	20.5
OU2MW-29D	9 North Clinton	12.0	14.9	15.6	15.9	18.5	16.7
OU2MW-29I	9 North Clinton	11.8	14.0	16.7	16.5	18.7	17.8
OU2MW-29I2	9 North Clinton	11.4	15.9	15.2	16.2	18.3	16.5
OU2MW-30D	9 North Clinton	12.5	15.2	16.0	16.0	17.5	15.6
OU2MW-30D2	9 North Clinton	12.8	15.1	14.5	15.5	18.7	15.2
OU2MW-30I	9 North Clinton	13.4	15.3	15.5	16.5	18.3	15.6
OU2MW-30I2	9 North Clinton	12.6	16.4	15.4	15.9	18.3	16.1
OU2MW-30I3	9 North Clinton	12.2	15.8	14.4	16.9	17.3	18.1
OU2MW-30S	9 North Clinton	11.6	14.9	16.2	18.2	19.9	19.6
OU2MW-31I	9 North Clinton	13.1	15.3	15.4	15.9	18.1	18.3
OU2MW-31I2	9 North Clinton	12.9	16.2	15.7	15.7	17.1	18.0
OU2MW-32D	9 North Clinton	12.1	16.2	15.7	18.9	19.8	16.3
OU2MW-32I	9 North Clinton	12.6	14.3	17.1	18.9	22.1	17.2
OU2MW-32I2	9 North Clinton	12.2	14.8	15.7	19.1	20.5	16.6
OU2MW-32S	9 North Clinton	12.0	15.5	18.2	20.3	23.7	19.4
OU2MW-35D	33 North Clinton	15.6	13.2	13.3	13.9	15.2	14.6
OU2MW-35I	33 North Clinton	12.7	13.5	13.6	13.9	15.7	14.6
OU2MW-35I2	33 North Clinton	14.2	13.3	13.9	14.2	15.1	14.7
OU2MW-35S	33 North Clinton	10.6	12.3	14.0	15.0	17.1	17.3
OU2MW-36D	33 North Clinton	11.2	13.6	14.1	15.7	22.4	18.0
OU2MW-36I	33 North Clinton	12.2	13.0	14.6	16.6	22.8	16.3
OU2MW-36I2	33 North Clinton	11.9	13.5	14.4	15.8	22.9	17.5
OU2MW-36S	33 North Clinton	10.9	12.1	15.8	17.2	22.3	19.5
OU2MW-37D	33 North Clinton	11.9	13.6	14.1	14.7	15.6	15.3
OU2MW-37I	33 North Clinton	11.1	14.0	14.6	15.0	16.3	14.8
OU2MW-37I2	33 North Clinton	12.4	13.7	14.5	14.5	15.8	14.6
OU2MW-37S	33 North Clinton	12.0	12.6	14.9	15.3	17.4	16.9
OU2MW-39D	33 North Clinton	11.2	13.5	13.2	14.8	16.2	14.6
OU2MW-39I	33 North Clinton	11.6	12.7	13.1	14.3	16.1	15.2
OU2MW-39I2	33 North Clinton	12.0	13.5	13.9	14.9	15.5	14.8
OU2MW-39S	33 North Clinton	8.9	12.9	13.7	15.8	18.5	17.3
OU2MW-42D	33 North Clinton	11.3	13.1	13.4	14.6	15.0	14.8
OU2MW-42I	33 North Clinton	12.2	12.9	13.7	14.4	15.7	14.9
OU2MW-42I2	33 North Clinton	11.9	13.1	13.5	14.3	15.1	14.7
OU2MW-42S	33 North Clinton	9.4	11.2	13.5	14.5	16.8	17.2
OU2MW-45D	34 North Clinton	14.0	13.6	15.0	15.7	15.4	14.6
OU2MW-45I	34 North Clinton	13.4	12.6	16.1	15.9	15.3	14.4
OU2MW-45I2	34 North Clinton	14.0	13.4	14.4	15.5	15.7	14.7
OU2MW-45S	34 North Clinton	11.9	12.1	13.9	16.8	16.9	16.1
OU2MW-46I	34 North Clinton	12.9	13.4	14.3	16.6	17.7	15.8
OU2MW-46I2	34 North Clinton	13.1	13.8	14.5	16.5	17.0	16.2
OU2MW-46S	34 North Clinton	12.1	13.8	16.0	18.7	19.9	17.4
OU2MW-47D	34 North Clinton	14.4	14.0	14.7	16.1	16.7	15.5
OU2MW-47I	34 North Clinton	12.9	13.0	13.6	16.2	17.0	16.0
OU2MW-47I2	34 North Clinton	14.0	14.1	15.8	16.5	16.8	15.4
OU2MW-47S	34 North Clinton	12.2	14.4	14.1	17.1	19.0	17.6

Notes:
 -- Not Recorded
 mS/cm - milli-siemens per centimeter
 mg/L - milligrams per Liter
 mV - milli-volt

Table 3-4
 Summary of Heterotrophic Plate Count Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Total Heterotrophic Plate Count (cfu/ml)						
	Jun-07	Jul-07	May-08	Sep-08	Dec-08	Jan-09	Feb-09
BBMW-25D	600	790	--	--	--	--	--
BBMW-25I	188,100	1,900	--	--	--	--	--
BBMW-25S	65	740	--	--	--	--	--
OU2IW-01S	--	740	--	--	--	--	--
OU2MW-01D	35	230	--	--	--	--	--
OU2MW-01I	9,400	18,000	--	--	--	--	--
OU2MW-01I2	280	620	--	--	--	--	--
OU2MW-01S	91	3,000	--	--	--	--	--
OU2MW-01WT	1,100	640	--	--	--	--	--
OU2MW-08D	14	13	--	--	--	--	--
OU2MW-08I	4	150	--	--	--	--	--
OU2MW-08I2	21	610	--	--	--	--	--
OU2MW-08S	91	520	--	--	--	--	--
OU2MW-08WT	120	520	--	--	--	--	--
OU2MW-11D	1,200	199,500	--	--	--	--	--
OU2MW-11I	380	570,000	--	--	--	--	--
OU2MW-11I2	270	102,600	--	--	--	--	--
OU2MW-11S	220	18,000	--	--	--	--	--
OU2MW-12D	1,200	1,800	--	--	--	--	--
OU2MW-12I	3,200	94,050	--	--	--	--	--
OU2MW-12I2	980	20,000	--	--	--	--	--
OU2MW-12S	9,500	9,900	--	--	--	--	--
OU2MW-17D	--	--	100	--	--	--	--
OU2MW-17I	--	--	280	--	--	--	--
OU2MW-17I2	--	--	1,300	--	--	--	--
OU2MW-17S	--	--	1,600	--	--	--	--
OU2MW-18D	--	--	440	--	--	--	--
OU2MW-18I	--	--	380	--	--	--	--
OU2MW-18I2	--	--	630	--	--	--	--
OU2MW-19I	--	--	880	--	--	--	--
OU2MW-19I2	--	--	1,900	--	--	--	--
OU2MW-20I	--	--	110	--	--	--	--
OU2MW-20I2	--	--	1,400	--	--	--	--
OU2MW-20S	--	--	180	--	--	--	--
OU2MW-21I	--	--	120	--	--	--	--
OU2MW-21I2	--	--	1,300	--	--	--	--
OU2MW-22D	--	--	--	--	--	950	--
OU2MW-22I	--	--	--	--	--	720	--
OU2MW-22I2	--	--	--	--	--	290	--
OU2MW-22S	--	--	--	--	--	160	--
OU2MW-23D	--	--	--	--	690	--	--
OU2MW-23I	--	--	--	--	360	--	--
OU2MW-23I2	--	--	--	--	110	--	--
OU2MW-23S	--	--	--	--	200	--	--
OU2MW-24D	--	--	--	--	340	--	--
OU2MW-24I	--	--	--	--	62	--	--
OU2MW-24I2	--	--	--	--	320	--	--
OU2MW-24S	--	--	--	--	48	--	--
OU2MW-25D	--	--	--	--	1,600	--	--
OU2MW-25I	--	--	--	--	5,000	--	--
OU2MW-25I2	--	--	--	--	140	--	--
OU2MW-25S	--	--	--	--	120	--	--
OU2MW-26D	--	--	1,700	--	--	--	--
OU2MW-26I	--	--	160	--	--	--	--
OU2MW-26I2	--	--	970	--	--	--	--
OU2MW-26S	--	--	1,800	--	--	--	--
OU2MW-28I	--	--	--	29	--	--	--
OU2MW-28I2	--	--	--	860	--	--	--
OU2MW-28S	--	--	--	4,600	--	--	--
OU2MW-29D	--	--	--	3,300	--	--	--
OU2MW-29I	--	--	--	480	--	--	--
OU2MW-29I2	--	--	--	890	--	--	--
OU2MW-30D	--	--	--	14,000	--	--	--
OU2MW-30D2	--	--	--	101,200	--	--	--
OU2MW-30I	--	--	--	10,000	--	--	--

Table 3-4
 Summary of Heterotrophic Plate Count Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Total Heterotrophic Plate Count (cfu/ml)						
	Jun-07	Jul-07	May-08	Sep-08	Dec-08	Jan-09	Feb-09
OU2MW-30I2	--	--	--	540	--	--	--
OU2MW-30I3	--	--	--	2,100	--	--	--
OU2MW-30S	--	--	--	3,200	--	--	--
OU2MW-31I	--	--	--	100	--	--	--
OU2MW-31I2	--	--	--	1,300	--	--	--
OU2MW-32D	--	--	--	1,100	--	--	--
OU2MW-32I	--	--	--	77	--	--	--
OU2MW-32I2	--	--	--	26	--	--	--
OU2MW-32S	--	--	--	170	--	--	--
OU2MW-35D	--	--	--	--	--	1,100	--
OU2MW-35I	--	--	--	--	--	220	--
OU2MW-35I2	--	--	--	--	--	1,100	--
OU2MW-35S	--	--	--	--	140	--	--
OU2MW-36D	--	--	--	--	4,000	--	--
OU2MW-36I	--	--	--	--	120	--	--
OU2MW-36I2	--	--	--	--	100	--	--
OU2MW-36S	--	--	--	--	62	--	--
OU2MW-37D	--	--	--	--	--	2,700	--
OU2MW-37I	--	--	--	--	--	230	--
OU2MW-37I2	--	--	--	--	--	1,700	--
OU2MW-37S	--	--	--	--	--	130	--
OU2MW-38D	--	--	--	--	--	230	--
OU2MW-38I	--	--	--	--	--	280	--
OU2MW-38I2	--	--	--	--	--	240	--
OU2MW-38S	--	--	--	--	--	120	--
OU2MW-39D	--	--	--	--	--	20,000	--
OU2MW-39I	--	--	--	--	--	4,200	--
OU2MW-39I2	--	--	--	--	--	1,200	--
OU2MW-39S	--	--	--	--	--	23,000	--
OU2MW-40I	--	--	--	190	--	--	--
OU2MW-40S	--	--	--	820	--	--	--
OU2MW-41I	--	--	--	42	--	--	--
OU2MW-41S	--	--	--	6,000	--	--	--
OU2MW-42D	--	--	--	--	--	--	--
OU2MW-42I	--	--	--	--	--	--	--
OU2MW-42I2	--	--	--	--	--	--	--
OU2MW-42S	--	--	--	--	--	--	--
OU2MW-45D	--	--	--	--	--	220	360
OU2MW-45I	--	--	--	--	--	20	700
OU2MW-45I2	--	--	--	--	--	240	620
OU2MW-45S	--	--	--	--	--	86	1,200
OU2MW-46I	--	--	--	--	--	110	120,000
OU2MW-46I2	--	--	--	--	--	32	860
OU2MW-46S	--	--	--	--	--	18	4,800
OU2MW-47D	--	--	--	--	--	640	98,000
OU2MW-47I	--	--	--	--	--	4	68,000
OU2MW-47I2	--	--	--	--	--	24	73,000
OU2MW-47S	--	--	--	--	--	75	8,700
OU2MW-48D	--	--	--	--	--	--	--
OU2MW-48I	--	--	--	--	--	--	--
OU2MW-48I2	--	--	--	--	--	--	--
OU2MW-48S	--	--	--	--	--	--	--
OU2MW-49D	--	--	--	--	--	--	--
OU2MW-49I	--	--	--	--	--	--	--
OU2MW-49I2	--	--	--	--	--	--	--
OU2MW-49S	--	--	--	--	--	--	--
OU2MW-52D	--	--	--	--	--	--	--
OU2MW-52I	--	--	--	--	--	--	--
OU2MW-52S	--	--	--	--	--	--	--
OU2MW-53D	--	--	--	--	--	--	--
OU2MW-53I	--	--	--	--	--	--	--
OU2MW-53S	--	--	--	--	--	--	--

Table 3-4
 Summary of Heterotrophic Plate Count Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Total Heterotrophic Plate Count (cfu/ml)					
	Mar-09	Apr-09	May-09	Jun-09	Aug-09	Sep-09
BBMW-25D	--	--	--	--	--	--
BBMW-25I	--	--	--	--	--	--
BBMW-25S	--	--	--	--	--	--
OU2IW-01S	--	--	--	--	--	--
OU2MW-01D	--	--	--	--	--	--
OU2MW-01I	--	--	--	--	--	--
OU2MW-01I2	--	--	--	--	--	--
OU2MW-01S	--	--	--	--	--	--
OU2MW-01WT	--	--	--	--	--	--
OU2MW-08D	--	--	--	--	--	--
OU2MW-08I	--	--	--	--	--	--
OU2MW-08I2	--	--	--	--	--	--
OU2MW-08S	--	--	--	--	--	--
OU2MW-08WT	--	--	--	--	--	--
OU2MW-11D	--	--	--	--	--	--
OU2MW-11I	--	--	--	--	--	--
OU2MW-11I2	--	--	--	--	--	--
OU2MW-11S	--	--	--	--	--	--
OU2MW-12D	--	--	--	--	--	--
OU2MW-12I	--	--	--	--	--	--
OU2MW-12I2	--	--	--	--	--	--
OU2MW-12S	--	--	--	--	--	--
OU2MW-17D	--	--	--	--	--	--
OU2MW-17I	--	--	--	--	--	--
OU2MW-17I2	--	--	--	--	--	--
OU2MW-17S	--	--	--	--	--	--
OU2MW-18D	--	--	--	--	--	--
OU2MW-18I	--	--	--	--	--	--
OU2MW-18I2	--	--	--	--	--	--
OU2MW-19I	--	--	--	--	--	--
OU2MW-19I2	--	--	--	--	--	--
OU2MW-20I	--	--	--	--	--	--
OU2MW-20I2	--	--	--	--	--	--
OU2MW-20S	--	--	--	--	--	--
OU2MW-21I	--	--	--	--	--	--
OU2MW-21I2	--	--	--	--	--	--
OU2MW-22D	--	--	--	--	--	--
OU2MW-22I	--	--	--	--	--	--
OU2MW-22I2	--	--	--	--	--	--
OU2MW-22S	--	--	--	--	--	--
OU2MW-23D	--	--	--	--	--	--
OU2MW-23I	--	--	--	--	--	--
OU2MW-23I2	--	--	--	--	--	--
OU2MW-23S	--	--	--	--	--	--
OU2MW-24D	--	--	--	--	--	--
OU2MW-24I	--	--	--	--	--	--
OU2MW-24I2	--	--	--	--	--	--
OU2MW-24S	--	--	--	--	--	--
OU2MW-25D	--	--	--	--	--	--
OU2MW-25I	--	--	--	--	--	--
OU2MW-25I2	--	--	--	--	--	--
OU2MW-25S	--	--	--	--	--	--
OU2MW-26D	--	--	--	--	--	--
OU2MW-26I	--	--	--	--	--	--
OU2MW-26I2	--	--	--	--	--	--
OU2MW-26S	--	--	--	--	--	--
OU2MW-28I	4,600	4,400	11,000	1,300	200	--
OU2MW-28I2	2,300	1,200	960	540	140	--
OU2MW-28S	420	320	280	1,400	91	--
OU2MW-29D	1,800	180	180	180	1,100	--
OU2MW-29I	5,000	2,100	13,000	14,000	240	--
OU2MW-29I2	3,600	7,100	13,000	16,000	5,000	--
OU2MW-30D	13,000	13,000	16,000	107,600	15,000	--
OU2MW-30D2	3,000	100,500	105,000	135,350	18,000	--
OU2MW-30I	240	13,000	26,000	63,450	81,250	--

Table 3-4
 Summary of Heterotrophic Plate Count Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Total Heterotrophic Plate Count (cfu/ml)					
	Mar-09	Apr-09	May-09	Jun-09	Aug-09	Sep-09
OU2MW-30I2	960	16,000	145,000	66,950	23,000	--
OU2MW-30I3	18,000	3,800	18,000	67,700	62,700	--
OU2MW-30S	720	1,200	10,000	2,500	6,200	--
OU2MW-31I	13,000	13,000	102,000	64,150	260	--
OU2MW-31I2	1,600	520	1,600	1,800	340	--
OU2MW-32D	300	42	58	20	10	--
OU2MW-32I	70	160	35	280	240	--
OU2MW-32I2	2,300	230	180	26	26	--
OU2MW-32S	69	99	24	4,800	160	--
OU2MW-35D	--	1,500	1,100	250	--	87
OU2MW-35I	--	12,000	12,000	340	--	32
OU2MW-35I2	--	170	100	29	--	74
OU2MW-35S	--	230	100	300	--	45
OU2MW-36D	--	240	83	140	--	65
OU2MW-36I	--	1,000	710	1,500	--	320
OU2MW-36I2	--	45	53	57	--	1,100
OU2MW-36S	--	33	63	130	--	500
OU2MW-37D	--	1,055	240	200	--	50
OU2MW-37I	--	1,800	2,100	750	--	2,500
OU2MW-37I2	--	170	180	400	--	430
OU2MW-37S	--	560	130	1,100	--	2,100
OU2MW-38D	--	--	--	--	--	--
OU2MW-38I	--	--	--	--	--	--
OU2MW-38I2	--	--	--	--	--	--
OU2MW-38S	--	--	--	--	--	--
OU2MW-39D	--	730	960	250	--	54
OU2MW-39I	--	3,600	11,000	4,100	--	200
OU2MW-39I2	--	54	33	1	--	6
OU2MW-39S	--	7	41	19	--	40
OU2MW-40I	--	--	--	--	--	--
OU2MW-40S	--	--	--	--	--	--
OU2MW-41I	--	--	--	--	--	--
OU2MW-41S	--	--	--	--	--	--
OU2MW-42D	13,000	620	910	240	--	2,900
OU2MW-42I	74	94,000	12,000	2,200	--	3,400
OU2MW-42I2	130	2,500	620	140	--	200
OU2MW-42S	1,040	300	210	5,700	--	150
OU2MW-45D	310	--	210	4,200	--	270
OU2MW-45I	86	--	240	220	--	960
OU2MW-45I2	250	--	460	3,800	--	13,000
OU2MW-45S	270	--	1,000	95	--	520
OU2MW-46I	11,000	--	7,600	13,000	--	2,900
OU2MW-46I2	300	--	3,300	14,000	--	180
OU2MW-46S	15,000	--	920	760	--	290
OU2MW-47D	14,000	--	84,000	89,100	--	360
OU2MW-47I	2,600	--	2,500	2,800	--	420
OU2MW-47I2	9,800	--	6,500	950	--	960
OU2MW-47S	64,000	--	560	17,000	--	480
OU2MW-48D	--	--	--	3,900	--	--
OU2MW-48I	--	--	--	270	--	--
OU2MW-48I2	--	--	--	430	--	--
OU2MW-48S	--	--	--	560	--	--
OU2MW-49D	--	--	--	880	--	--
OU2MW-49I	--	--	--	400	--	--
OU2MW-49I2	--	--	--	2,600	--	--
OU2MW-49S	--	--	--	280	--	--
OU2MW-52D	--	--	--	340	--	--
OU2MW-52I	--	--	--	480	--	--
OU2MW-52S	--	--	--	100	--	--
OU2MW-53D	--	--	--	65	--	--
OU2MW-53I	--	--	--	120	--	--
OU2MW-53S	--	--	--	240	--	--

Notes:
 cfu/ml - colony forming units per milliliter
 -- Not Sampled

Table 3-5
Water Level Measurements and Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	Date of Measurement	Time of Measurement	Well Casing Diameter (inches)	Well Elevation ¹ (feet above MSL)	Depth to Water (feet)	Water Elevation (feet above MSL)	Comments
BBMW-01S	7/14/2009	7:56	2.00	19.65	6.54	13.11	
BBMW-01I	7/14/2009	7:55	2.00	19.23	6.12	13.11	
BBMW-01D	7/14/2009	7:51	2.00	19.20	6.05	13.15	
BBMW-02S	7/14/2009	8:10	2.00	16.83	4.74	12.09	
BBMW-02I	7/14/2009	8:09	2.00	16.96	4.86	12.10	
BBMW-02D	7/14/2009	8:07	2.00	17.13	5.06	12.07	
BBMW-03S	7/13/2009	18:31	2.00	11.33	3.23	8.10	
BBMW-03I	7/13/2009	18:32	2.00	11.19	3.09	8.10	
BBMW-03D	7/13/2009	18:33	2.00	11.24	3.13	8.11	
BBMW-04D	7/13/2009	8:27	2.00	19.75	5.18	14.57	
BBMW-07S	7/14/2009	9:01	2.00	12.80	6.82	5.98	
BBMW-07I	7/14/2009	9:05	2.00	12.60	6.64	5.96	
BBMW-07D	7/14/2009	9:09	2.00	12.58	6.62	5.96	
BBMW-15S	7/14/2009	10:07	2.00	15.92	5.16	10.76	
BBMW-15I	7/14/2009	10:04	2.00	15.82	5.07	10.75	
BBMW-15I2	7/14/2009	10:02	2.00	15.79	5.09	10.70	
BBMW-15D	7/14/2009	9:59	2.00	15.63	4.90	10.73	
BBMW-16S	7/14/2009	9:28	2.00	19.04	8.90	10.14	
BBMW-16I	7/14/2009	9:25	2.00	19.43	4.29	15.14	
BBMW-16D	7/14/2009	9:23	2.00	18.97	8.78	10.19	
BBMW-23S	7/14/2009	8:39	1.00	19.13	5.64	13.49	
BBMW-23I	7/14/2009	8:35	1.00	19.20	5.71	13.49	
BBMW-23D	7/14/2009	8:37	1.00	19.17	5.66	13.51	
BBMW-23D2	7/14/2009	8:32	2.00	18.61	5.13	13.48	
BBMW-24S	7/14/2009	9:42	1.00	18.14	6.71	11.43	
BBMW-24I	7/14/2009	9:40	1.00	18.01	6.77	11.24	
BBMW-24D	7/14/2009	9:38	1.00	17.76	6.61	11.15	
BBMW-25S	-	-	1.00	12.80	NM	NC	No Access
BBMW-25I	-	-	1.00	12.79	NM	NC	No Access
BBMW-25D	-	-	1.00	12.70	NM	NC	No Access
GM-03S	-	-	1.25	15.70	-	NC	Abandoned
GM-03I	-	-	1.25	15.61	-	NC	Abandoned
GM-03D	-	-	1.25	15.78	-	NC	Abandoned
GM-05S	7/13/2009	11:29	1.25	5.73	2.61	3.12	
GM-05I	7/13/2009	11:30	1.25	5.92	2.59	3.33	
GM-05D	7/13/2009	11:32	1.25	7.87	0.00	7.87	Artesian Conditions
GM-06S	7/14/2009	10:29	1.25	9.52	5.75	3.77	
GM-06I	7/14/2009	10:28	1.25	9.56	5.81	3.75	
GM-06D	7/14/2009	10:29	1.25	9.66	5.91	3.75	
GM-07S	7/14/2009	10:51	1.25	10.61	7.75	2.86	
GM-07I	7/14/2009	10:51	1.25	10.53	7.70	2.83	
GM-07D	7/14/2009	10:52	1.25	10.75	7.92	2.83	
GM-08S	7/13/2009	12:25	1.25	3.90	2.42	1.48	
GM-08I	7/13/2009	12:25	1.25	4.05	2.89	1.16	
GM-08D	7/13/2009	12:25	1.25	3.91	2.71	1.20	
GM-09S	7/14/2009	11:42	1.25	3.22	2.32	0.90	
GM-09I	7/14/2009	11:43	1.25	3.41	2.51	0.90	
GM-09D	7/14/2009	11:44	1.25	3.09	2.18	0.91	
GM-10AD	7/14/2009	10:42	2.00	8.07	6.13	1.94	
GMP-01	7/13/2009	12:50	0.75	6.58	3.01	3.57	
GMP-02	7/13/2009	12:55	0.75	6.28	3.45	2.83	

Table 3-5
 Water Level Measurements and Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Date of Measurement	Time of Measurement	Well Casing Diameter (inches)	Well Elevation ¹ (feet above MSL)	Depth to Water (feet)	Water Elevation (feet above MSL)	Comments
GMP-04	7/13/2009	10:32	0.75	3.74	2.45	1.29	
MW-16AS	7/14/2009	13:09	2.00	16.16	5.11	11.05	
OU2-IW01S	7/14/2009	11:38	2.00	5.95	2.96	2.99	
OU2MW-01WT	-	-	1.00	12.86	NM	NC	No Access
OU2MW-01S	-	-	2.00	12.41	NM	NC	No Access
OU2MW-01I	-	-	2.00	12.47	NM	NC	No Access
OU2MW-01I2	-	-	2.00	12.28	NM	NC	No Access
OU2MW-01D	-	-	2.00	12.35	NM	NC	No Access
OU2MW-02S	-	-	2.00	11.58	NM	NC	No Access
OU2MW-02I	-	-	2.00	11.59	NM	NC	No Access
OU2MW-02I2	-	-	2.00	11.74	NM	NC	No Access
OU2MW-02D	-	-	2.00	11.53	NM	NC	No Access
OU2MW-03S	-	-	2.00	11.23	NM	NC	No Access
OU2MW-03I	-	-	2.00	11.15	NM	NC	No Access
OU2MW-03I2	-	-	2.00	11.15	NM	NC	No Access
OU2MW-03D	-	-	2.00	11.14	NM	NC	No Access
OU2MW-04WT	7/13/2009	18:10	1.00	10.34	3.71	6.63	
OU2MW-04S	7/13/2009	18:11	2.00	10.18	3.58	6.60	
OU2MW-04I	7/13/2009	18:12	2.00	10.10	3.47	6.63	
OU2MW-04I2	7/13/2009	18:13	2.00	10.05	3.43	6.62	
OU2MW-04D	7/13/2009	18:14	2.00	10.08	3.45	6.63	
OU2MW-05	7/13/2009	11:16	2.00	6.32	2.10	4.22	
OU2MW-06	7/13/2009	10:19	2.00	4.44	2.18	2.26	
OU2MW-06S	7/13/2009	10:20	2.00	4.83	2.61	2.22	
OU2MW-07	7/13/2009	9:34	2.00	5.34	3.87	1.47	
OU2MW-07S	7/13/2009	9:29	2.00	5.47	3.45	2.02	
OU2MW-08WT	7/14/2009	13:16	2.00	14.93	6.21	8.72	
OU2MW-08S	7/14/2009	13:19	2.00	14.77	6.03	8.74	
OU2MW-08I	7/14/2009	13:21	2.00	14.70	5.96	8.74	
OU2MW-08I2	7/14/2009	13:23	2.00	14.78	6.04	8.74	
OU2MW-08D	7/14/2009	13:25	2.00	14.87	5.29	9.58	
OU2MW-09	7/14/2009	18:30	2.00	11.26	3.15	8.11	
OU2MW-10S	7/13/2009	11:48	2.00	5.31	2.79	2.52	
OU2MW-10I	7/13/2009	11:49	2.00	5.42	2.88	2.54	
OU2MW-10D	7/13/2009	11:50	2.00	5.43	2.91	2.52	
OU2MW-11S	7/13/2009	11:05	2.00	6.69	2.86	3.83	
OU2MW-11I	7/13/2009	11:03	2.00	6.72	2.91	3.81	
OU2MW-11I2	7/13/2009	11:01	2.00	6.53	2.77	3.76	
OU2MW-11D	7/13/2009	10:59	2.00	6.65	2.88	3.77	
OU2MW-12S	7/13/2009	10:52	2.00	5.70	2.58	3.12	
OU2MW-12I	7/13/2009	10:50	2.00	5.73	2.44	3.29	
OU2MW-12I2	7/13/2009	10:48	2.00	5.81	2.65	3.16	
OU2MW-12D	7/13/2009	10:46	2.00	5.59	2.44	3.15	
OU2MW-13S	7/13/2009	10:07	2.00	4.78	2.65	2.13	
OU2MW-13I	7/13/2009	10:09	2.00	4.81	2.72	2.09	
OU2MW-13D	7/13/2009	10:11	2.00	4.94	2.86	2.08	
OU2MW-14S	7/14/2009	6:31	1.00	14.58	6.04	8.54	
OU2MW-14I	7/14/2009	6:32	1.00	14.75	5.98	8.77	
OU2MW-14I2	7/14/2009	6:33	1.00	14.77	5.97	8.80	
OU2MW-15S	7/13/2009	12:12	2.00	4.80	2.24	2.56	
OU2MW-15I	7/13/2009	12:13	2.00	5.09	2.50	2.59	

Table 3-5
 Water Level Measurements and Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Date of Measurement	Time of Measurement	Well Casing Diameter (inches)	Well Elevation ¹ (feet above MSL)	Depth to Water (feet)	Water Elevation (feet above MSL)	Comments
OU2MW-15I2	7/13/2009	12:14	2.00	5.13	2.54	2.59	
OU2MW-15D	7/13/2009	12:15	2.00	5.21	2.61	2.60	
OU2MW-16S	7/13/2009	11:57	2.00	5.44	2.75	2.69	
OU2MW-16I	7/13/2009	11:58	2.00	5.31	2.64	2.67	
OU2MW-16I2	7/13/2009	11:59	2.00	5.31	2.66	2.65	
OU2MW-16D	7/13/2009	12:00	2.00	5.61	2.95	2.66	
OU2MW-39S	7/14/2009	14:41	1.00	21.22	8.44	12.78	
OU2MW-39I	7/14/2009	14:39	1.00	21.32	9.06	12.26	
OU2MW-39I2	7/14/2009	14:43	1.00	21.14	5.88	15.26	
OU2MW-39D	7/14/2009	14:37	1.00	21.18	8.91	12.27	
OU2SW-01*	7/13/2009	9:19	NA	2.65	3.77	-1.12	Boat Basin
BBSW-06*	7/13/2009	9:20	NA	2.08	2.14	-0.06	Boat Basin
BBSW-07*	7/13/2009	12:57	NA	6.83	1.83	5.00	Weir

Notes:

1 - Well Elevations obtained from 2007 Survey or latter and reference NVGD88 datum

NM - Not Measured

NC - Not Calculated

NS - 2007 Survey Data Not Available

MSL - Mean Sea Level

* - Surface Water Gauging Stations

Table 3-6
Historic Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well Identification	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)														
		Dec-78	Oct-92	Nov-99	Mar-02	Jun-02	Aug-02	Nov-02	Mar-03	Jul-03	Sep-03	Jan-04	Apr-04	Aug-04	Oct-04	Feb-05
BBMW-01S	5.0 - 15.0	NM	NM	12.33	NM	12.49	NM	12.70	13.34	13.09	12.38	12.67	14.11	12.10	12.51	13.16
BBMW-01I	32.0 - 42.0	NM	NM	12.29	NM	12.47	NM	12.69	13.32	13.07	12.35	12.65	14.09	12.08	12.49	13.14
BBMW-01D	68.5 - 78.5	NM	NM	12.33	NM	12.47	NM	12.75	14.40	13.12	12.37	12.68	14.14	12.11	12.51	13.16
BBMW-02S	5.0 - 15.0	NM	NM	11.45	11.29	11.34	NM	11.85	12.35	12.08	11.42	NM	13.10	11.16	11.52	NM
BBMW-02I	30.0 - 40.0	NM	NM	11.42	11.26	11.32	NM	11.83	12.33	12.07	11.41	NM	13.08	11.15	11.50	NM
BBMW-02D	73.0 - 83.0	NM	NM	11.40	11.24	11.30	NM	11.81	NM	12.05	11.38	NM	13.08	11.12	11.48	NM
BBMW-03S	3.0 - 13.0	NM	NM	7.61	7.51	7.54	NM	8.05	8.23	8.25	7.46	7.74	9.01	7.42	7.72	8.25
BBMW-03I	30.0 - 40.0	NM	NM	7.60	7.52	7.53	NM	8.03	8.24	8.24	7.48	7.73	8.97	7.41	7.72	8.24
BBMW-03D	52.0 - 62.0	NM	NM	7.62	7.52	7.58	NM	8.08	8.27	8.26	7.45	7.77	8.99	7.44	7.75	8.26
BBMW-04D	63.0 - 73.0	NM	NM	13.55	13.28	13.98	12.03	14.10	14.57	14.40	13.54	13.96	15.48	13.38	13.84	14.51
BBMW-07S	5.0 - 15.0	NM	NM	5.29	5.16	5.58	NM	5.90	6.05	5.92	5.45	NM	6.83	5.27	5.71	5.98
BBMW-07I	30.0 - 40.0	NM	NM	5.28	5.13	5.60	NM	5.92	6.06	5.91	5.44	NM	6.83	5.26	5.72	5.98
BBMW-07D	55.0 - 65.0	NM	NM	5.29	5.14	5.59	NM	5.92	NM	5.91	5.47	NM	6.82	5.27	5.73	5.98
BBMW-15S	5.0 - 15.0	NM	NM	10.21	10.06	10.10	NM	10.57	10.93	10.71	10.15	10.46	11.72	9.86	10.18	10.84
BBMW-15I	35.0 - 45.0	NM	NM	10.06	10.02	10.07	NM	10.49	10.91	10.69	10.09	10.45	11.71	9.84	10.16	10.81
BBMW-15I2	23.0 - 28.0	NM	NM	10.14	9.89	9.93	NM	10.37	10.84	10.63	10.10	10.39	11.66	9.81	10.16	10.80
BBMW-15D	70.0 - 80.0	NM	NM	10.16	10.01	10.06	NM	10.49	10.87	10.67	10.10	10.40	11.76	9.82	10.15	10.80
BBMW-16S	5.0 - 15.0	NM	NM	9.40	NM	NM	NM	12.82	NM	10.07	9.53	9.67	10.79	9.28	9.73	10.15
BBMW-16I	35.0 - 45.0	NM	NM	9.43	NM	NM	NM	9.85	10.28	10.10	9.56	9.70	10.82	9.32	9.76	10.15
BBMW-16D	68.0 - 78.0	NM	NM	9.42	NM	NM	NM	9.88	10.32	10.12	9.58	9.73	10.86	9.31	9.75	10.18
BBMW-23S	5.0 - 15.0	NM	NM	NM	NM	12.58	NM	13.16	13.78	13.51	12.80	13.09	14.55	12.51	12.93	NM
BBMW-23I	33.0 - 43.0	NM	NM	NM	NM	12.62	NM	13.15	13.78	13.50	12.79	13.08	14.55	12.50	12.93	NM
BBMW-23D	49.5 - 59.5	NM	NM	NM	NM	12.54	NM	13.16	13.78	13.52	12.80	13.10	14.55	12.53	12.94	NM
BBMW-23D2	63.0 - 73.0	NM	NM	NM	NM	12.80	NM	13.19	13.81	13.46	12.82	13.10	14.57	12.52	12.96	NM
BBMW-24S	4.0 - 14.0	NM	NM	NM	NM	10.36	NM	10.83	11.36	11.17	10.49	10.74	12.15	10.23	10.61	11.20
BBMW-24I	32.0 - 42.0	NM	NM	NM	NM	10.35	NM	10.83	11.36	11.15	10.48	10.74	12.15	10.22	10.60	11.20
BBMW-24D	59.5 - 69.5	NM	NM	NM	NM	10.36	NM	10.82	11.36	11.15	10.49	10.75	12.16	10.24	10.61	11.19
BBMW-25S	4.0 - 14.0	NM	NM	NM	NM	7.33	NM	7.85	8.22	8.03	7.32	7.60	8.98	7.23	7.62	8.13
BBMW-25I	25.0 - 35.0	NM	NM	NM	NM	7.36	NM	7.87	8.25	8.04	7.35	7.63	8.99	7.25	7.64	8.16
BBMW-25D	62.0 - 72.0	NM	NM	NM	NM	7.35	NM	NM	8.22	7.98	7.28	7.56	8.92	7.18	7.55	8.08
GM-03S	6.78 - 21.78	8.95	9.13	9.34	NM	9.53	NM	9.68	10.00	10.02	9.39	9.59	10.83	9.14	9.53	NM
GM-03I	30.03 - 45.03	8.88	8.95	9.18	NM	9.35	NM	9.51	9.84	9.83	9.22	9.42	10.67	8.97	9.36	NM
GM-03D	53.18 - 68.18	9.07	9.16	9.27	NM	9.45	NM	9.63	9.93	9.94	9.32	9.53	10.77	9.07	9.46	NM
GM-05S	5.1 - 20.1	2.12	2.48	2.49	2.52	3.21	NM	3.35	2.80	3.21	2.62	2.49	3.74	2.68	3.36	3.31
GM-05D	60.95 - 75.95	7.35	9.04	7.87	NM	7.03	NM	7.42	7.51	7.50	6.83	7.18	NM	8.97	7.58	7.72
GM-10AD	unknown	NM	NM	NM	1.12	1.86	NM	1.92	1.62	1.82	1.76	1.08	2.43	1.51	2.20	1.92
GMP-01	25.0 - 30.0	NM	NM	NM	2.97	3.65	NM	3.78	3.26	3.66	3.07	3.04	4.18	3.15	3.78	3.73
GMP-02	18.0 - 23.0	NM	NM	NM	2.25	2.95	NM	3.05	2.44	2.91	2.36	2.24	3.37	2.40	3.15	3.04
GMP-04	15.5 - 20.5	NM	NM	NM	0.96	1.46	NM	1.18	0.47	1.40	1.01	1.11	1.17	0.93	2.11	1.72
MW-16AS	3.0 - 13.0	NM	NM	10.45	10.30	10.36	NM	10.82	11.21	10.99	10.44	NM	12.00	10.10	10.44	11.10

Table 3-6
 Historic Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well Identification	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)												
		May-05	Aug-05	Nov-05	Feb-06	May-06	July/Aug-06	Nov-06	Jan-07	May-07	July/Aug-07	Oct/Nov-07	Jan-08	Apr/May-08
BBMW-01S	5.0 - 15.0	13.03	11.91	13.41	13.36	12.95	12.64	14.10	13.03	13.36	12.63	11.91	12.78	13.27
BBMW-01I	32.0 - 42.0	13.01	11.89	13.49	13.34	12.94	12.63	13.09	13.01	13.34	12.62	11.90	12.77	13.25
BBMW-01D	68.5 - 78.5	13.07	11.92	13.50	13.36	12.96	12.64	13.10	13.02	13.38	12.64	11.91	12.79	13.29
BBMW-02S	5.0 - 15.0	12.06	10.99	12.45	12.36	12.00	11.62	12.12	12.07	12.35	11.56	11.00	11.85	12.23
BBMW-02I	30.0 - 40.0	12.03	10.96	12.43	12.32	11.95	11.59	12.08	12.02	12.35	11.55	11.00	11.85	12.24
BBMW-02D	73.0 - 83.0	12.01	10.93	12.41	12.31	11.95	11.58	12.06	12.02	12.33	11.54	10.98	11.84	12.22
BBMW-03S	3.0 - 13.0	8.09	7.36	8.43	8.29	8.00	7.65	8.19	8.02	8.27	7.71	7.36	7.92	8.21
BBMW-03I	30.0 - 40.0	8.09	7.75	8.82	8.29	8.00	7.64	7.99	8.01	8.28	7.71	7.37	7.89	8.22
BBMW-03D	52.0 - 62.0	8.12	7.35	8.44	8.31	8.03	NM	8.14	8.05	8.32	7.74	7.38	7.92	8.23
BBMW-04D	63.0 - 73.0	14.39	13.18	14.96	14.67	14.31	14.01	14.48	14.39	NM	NM	13.28	14.20	14.78
BBMW-07S	5.0 - 15.0	5.80	5.12	6.29	NM	5.75	5.52	5.89	5.63	NM	NM	4.18	5.63	5.97
BBMW-07I	30.0 - 40.0	5.83	5.13	6.29	NM	5.76	5.53	5.91	5.63	NM	NM	5.16	5.57	5.96
BBMW-07D	55.0 - 65.0	5.82	5.11	6.29	NM	5.77	5.51	5.94	5.64	NM	NM	5.15	5.62	5.98
BBMW-15S	5.0 - 15.0	10.69	9.71	11.09	10.98	10.66	10.23	10.75	10.71	11.01	10.26	9.81	10.57	10.91
BBMW-15I	35.0 - 45.0	10.67	9.66	11.03	10.91	10.61	10.18	10.73	10.66	10.98	10.27	9.78	10.54	10.85
BBMW-15I2	23.0 - 28.0	10.60	9.66	11.05	10.93	10.62	10.21	10.73	10.67	10.98	10.19	9.77	10.60	10.87
BBMW-15D	70.0 - 80.0	10.63	9.66	11.04	10.92	10.62	10.19	10.71	10.67	10.96	10.22	9.77	10.54	10.86
BBMW-16S	5.0 - 15.0	10.05	9.04	10.45	10.30	10.00	14.62	10.10	10.02	10.28	9.56	9.14	9.80	10.14
BBMW-16I	35.0 - 45.0	10.08	9.05	10.47	10.33	10.02	9.63	10.14	10.06	10.32	9.58	9.16	9.77	10.18
BBMW-16D	68.0 - 78.0	10.06	9.03	10.46	10.32	10.01	9.62	10.12	10.06	10.32	9.56	9.15	9.82	10.23
BBMW-23S	5.0 - 15.0	13.46	12.32	14.00	13.78	13.37	13.06	13.52	13.48	13.76	10.35	12.31	13.19	13.67
BBMW-23I	33.0 - 43.0	13.46	12.31	13.92	13.79	13.38	13.07	13.51	13.47	13.76	10.48	12.31	13.19	13.68
BBMW-23D	49.5 - 59.5	13.47	12.32	13.95	13.79	13.39	13.08	13.53	13.49	13.81	10.29	12.28	13.19	13.71
BBMW-23D2	63.0 - 73.0	13.47	12.32	13.93	13.78	13.38	13.07	13.52	13.48	13.76	10.31	12.31	13.16	13.68
BBMW-24S	4.0 - 14.0	11.09	10.04	11.53	11.39	11.02	10.67	11.09	11.06	11.41	9.41	10.12	10.86	11.32
BBMW-24I	32.0 - 42.0	11.09	10.02	11.51	11.37	10.99	10.66	11.07	11.04	11.43	9.44	10.11	10.82	11.30
BBMW-24D	59.5 - 69.5	11.09	10.03	11.52	11.38	11.03	10.67	11.10	11.07	11.43	9.44	10.13	10.88	11.31
BBMW-25S	4.0 - 14.0	8.01	7.64	8.99	8.84	8.49	NM	8.55	8.53	8.84	NM	7.78	8.37	8.77
BBMW-25I	25.0 - 35.0	8.02	7.66	8.99	8.84	8.49	NM	8.55	8.55	8.86	NM	NC	NC	NC
BBMW-25D	62.0 - 72.0	7.97	NM	8.99	NM	8.49	NM	8.55	8.52	8.83	NM	7.76	8.46	8.75
GM-03S	6.78 - 21.78	9.96	8.94	10.42	10.26	9.90	9.53	9.97	9.92	10.18	9.44	8.97	9.64	10.08
GM-03I	30.03 - 45.03	9.80	8.76	10.24	10.09	9.73	9.36	9.80	9.75	10.17	9.43	8.98	9.64	10.06
GM-03D	53.18 - 68.18	9.95	8.86	10.34	10.19	9.83	9.47	9.90	9.86	10.19	9.46	8.97	9.67	10.08
GM-05S	5.1 - 20.1	2.91	2.65	3.34	3.01	3.00	2.85	3.06	2.82	3.08	2.94	2.59	2.98	3.20
GM-05D	60.95 - 75.95	7.50	6.56	7.87	7.81	8.23	8.72	7.61	7.59	7.76	6.96	6.83	7.54	NC
GM-10AD	unknown	1.41	1.57	2.08	1.67	1.72	1.74	NM	1.43	1.76	1.80	1.50	1.70	1.83
GMP-01	25.0 - 30.0	3.35	3.08	3.77	3.47	3.44	3.28	3.47	3.33	3.50	3.33	3.00	3.43	3.66
GMP-02	18.0 - 23.0	2.58	2.41	3.03	2.69	2.70	2.57	2.73	2.59	2.74	2.55	2.30	2.72	2.89
GMP-04	15.5 - 20.5	1.02	1.37	1.73	1.19	1.23	1.42	1.09	1.51	1.06	1.63	1.41	1.28	1.00
MW-16AS	3.0 - 13.0	10.96	9.93	11.34	11.23	10.92	10.48	11.02	10.98	11.27	10.47	10.11	10.92	11.16

Table 3-6
 Historic Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well Identification	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)							
		Aug-08	Nov-08	Jan-09	May-09	Jul-09	Minimum	Average	Maximum
BBMW-01S	5.0 - 15.0	12.22	12.92	12.88	13.10	13.11	11.91	12.88	14.11
BBMW-01I	32.0 - 42.0	12.21	12.91	12.88	13.07	13.11	11.89	12.83	14.09
BBMW-01D	68.5 - 78.5	12.24	12.94	12.91	13.08	13.15	11.91	12.89	14.40
BBMW-02S	5.0 - 15.0	11.23	11.92	11.57	12.08	12.09	10.99	11.83	13.10
BBMW-02I	30.0 - 40.0	11.24	11.92	11.88	12.08	12.10	10.96	11.82	13.08
BBMW-02D	73.0 - 83.0	11.21	11.90	11.87	12.07	12.07	10.93	11.78	13.08
BBMW-03S	3.0 - 13.0	7.43	8.00	7.89	8.09	8.10	7.36	7.93	9.01
BBMW-03I	30.0 - 40.0	7.43	8.02	7.86	8.09	8.10	7.37	7.94	8.97
BBMW-03D	52.0 - 62.0	7.43	8.03	7.90	8.09	8.11	7.35	7.95	8.99
BBMW-04D	63.0 - 73.0	10.72	14.37	14.39	14.59	14.57	10.72	14.00	15.48
BBMW-07S	5.0 - 15.0	5.43	5.76	5.46	5.76	5.98	4.18	5.67	6.83
BBMW-07I	30.0 - 40.0	5.43	5.77	5.46	5.86	5.96	5.13	5.71	6.83
BBMW-07D	55.0 - 65.0	5.45	5.76	5.46	5.75	5.96	5.11	5.69	6.82
BBMW-15S	5.0 - 15.0	9.93	10.63	10.57	10.75	10.76	9.71	10.53	11.72
BBMW-15I	35.0 - 45.0	9.90	10.55	10.55	10.72	10.75	9.66	10.49	11.71
BBMW-15I2	23.0 - 28.0	9.90	10.60	10.49	10.68	10.70	9.66	10.47	11.66
BBMW-15D	70.0-80.0	9.89	10.57	10.51	10.67	10.73	9.66	10.48	11.76
BBMW-16S	5.0 - 15.0	9.29	9.87	9.85	10.09	10.14	9.04	10.15	14.62
BBMW-16I	35.0 - 45.0	9.31	9.89	9.89	10.09	15.14	9.05	10.07	15.14
BBMW-16D	68.0 - 78.0	9.36	9.94	9.92	10.53	10.19	9.03	9.92	10.86
BBMW-23S	5.0 - 15.0	12.62	13.34	13.25	13.37	13.49	10.35	13.16	14.55
BBMW-23I	33.0 - 43.0	12.62	13.33	13.24	13.46	13.49	10.48	13.16	14.55
BBMW-23D	49.5 - 59.5	12.65	13.36	13.26	13.86	13.51	10.29	13.18	14.55
BBMW-23D2	63.0 - 73.0	12.62	13.36	13.27	13.16	13.48	10.31	13.16	14.57
BBMW-24S	4.0 - 14.0	10.37	11.27	11.16	11.10	11.43	9.41	10.91	12.15
BBMW-24I	32.0 - 42.0	10.36	11.09	10.97	11.21	11.24	9.44	10.89	12.15
BBMW-24D	59.5 - 69.5	10.35	11.04	10.90	11.26	11.15	9.44	10.89	12.16
BBMW-25S	4.0 - 14.0	NC	8.43	8.30	8.60	NC	7.23	8.19	8.99
BBMW-25I	25.0 - 35.0	NC	8.40	8.32	8.57	NC	7.25	8.18	8.99
BBMW-25D	62.0 - 72.0	NC	8.45	8.36	8.56	NC	7.18	8.18	8.99
GM-03S	6.78 - 21.78	9.15	NC	NC	NC	NC	8.94	9.67	10.83
GM-03I	30.03 - 45.03	9.13	NC	NC	NC	NC	8.76	9.54	10.67
GM-03D	53.18 - 68.18	9.16	NC	NC	NC	NC	8.86	9.64	10.77
GM-05S	5.1 - 20.1	2.88	2.89	2.64	3.04	3.12	2.12	2.92	3.74
GM-05D	60.95 - 75.95	NC	7.66	7.66	7.66	7.87	6.56	7.64	9.04
GM-10AD	unknown	1.75	1.66	1.22	1.79	1.94	1.08	1.71	2.43
GMP-01	25.0 - 30.0	3.27	3.30	3.06	NC	3.57	2.97	3.41	4.18
GMP-02	18.0 - 23.0	2.58	2.55	2.31	2.74	2.83	2.24	2.68	3.37
GMP-04	15.5 - 20.5	1.65	1.09	0.7	1.39	1.29	0.47	1.26	2.11
MW-16AS	3.0 - 13.0	10.22	10.92	10.88	11.22	11.05	9.93	10.80	12.00

Table 3-6
Historic Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well Identification	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)												
		Nov-05	Feb-06	May-06	July/Aug-06	Nov-06	Jan-07	May-07	July/Aug-07	Oct/Nov-07	Jan-08	Apr/May-08	Aug-08	Nov-08
OU2-IW01S	3.0 - 8.0	NM	NM	NM	NM	NM	NM	NM	NM	2.50	2.91	2.97	2.77	2.74
OU2MW-01WT	3.0 - 8.0	NM	NM	NM	NM	NM	NM	NM	NM	7.74	8.29	8.70	NC	8.42
OU2MW-01S	20.0 - 25.0	8.79	8.62	8.30	NM	8.37	8.30	8.58	NM	7.56	8.12	8.51	NC	8.28
OU2MW-01I	35.0 - 40.0	8.82	8.65	8.28	NM	9.96	8.32	8.61	NM	7.56	8.17	8.52	NC	8.28
OU2MW-01I2	50.0 - 55.0	8.78	8.62	8.30	NM	8.36	8.40	8.59	NM	7.55	8.14	8.47	NC	8.27
OU2MW-01D	65.0 - 70.0	10.24	10.16	9.79	NM	8.23	9.89	10.06	NM	8.95	9.58	9.98	NC	9.70
OU2MW-02S	20.0 - 25.0	8.68	8.66	8.21	NM	8.31	8.31	8.51	NM	7.50	8.07	8.43	NC	8.21
OU2MW-02I	35.0 - 40.0	8.68	8.52	8.22	NM	8.26	8.23	8.51	NM	7.52	8.10	8.42	NC	8.21
OU2MW-02I2	50.0 - 55.0	8.67	8.51	8.21	NM	8.25	8.22	8.51	NM	7.10	8.08	8.41	NC	8.21
OU2MW-02D	65.0 - 70.0	8.87	8.74	8.41	NM	8.47	8.42	8.68	NM	7.71	8.28	8.62	NC	8.42
OU2MW-03S	20.0 - 25.0	7.23	7.01	6.73	NM	6.80	6.69	7.01	NM	6.12	6.62	7.01	NC	6.67
OU2MW-03I	35.0 - 40.0	7.25	7.03	6.75	NM	6.84	6.71	7.03	NM	6.14	6.64	7.02	NC	6.72
OU2MW-03I2	50.0 - 55.0	7.23	7.01	6.74	NM	6.79	6.69	7.02	NM	6.12	6.62	7.01	NC	6.68
OU2MW-03D	65.0 - 70.0	8.99	8.95	8.63	NM	6.75	8.85	8.95	NM	7.91	8.28	8.84	NC	8.50
OU2MW-04WT	3.0 - 8.0	NM	NM	NM	NM	NM	NM	NM	NM	5.91	6.41	6.53	6.12	6.50
OU2MW-04S	20.0 - 25.0	6.97	6.73	6.49	6.19	6.60	6.41	6.75	6.25	5.93	6.40	6.71	6.12	6.50
OU2MW-04I	35.0 - 40.0	6.97	6.73	6.49	6.19	6.61	6.45	6.76	6.28	5.94	6.42	6.73	6.19	6.52
OU2MW-04I2	50.0 - 55.0	6.96	6.72	6.49	NM	6.57	6.43	6.74	6.26	5.90	6.39	6.73	6.13	6.52
OU2MW-04D	65.0 - 70.0	6.99	6.75	6.51	NM	6.60	6.47	6.77	6.28	6.06	6.41	6.74	6.14	6.52
OU2MW-05	25.0 - 35.0	4.44	4.16	4.09	3.93	4.16	3.97	4.21	3.97	3.54	4.01	4.29	3.92	4.05
OU2MW-06	25.0 - 35.0	2.57	2.17	2.21	2.17	2.17	2.21	2.17	2.22	2.03	2.16	2.16	2.32	2.07
OU2MW-06S	3.0 - 8.0	NM	NM	NM	NM	NM	NM	NM	NM	2.05	2.16	2.22	2.35	2.09
OU2MW-07	15.0 - 25.0	2.37	1.98	2.00	2.03	1.90	2.08	1.89	2.02	1.93	2.02	1.89	2.17	1.80
OU2MW-07S	3.0 - 8.0	NM	NM	NM	NM	NM	NM	NM	NM	1.96	2.04	1.94	2.22	1.85
OU2MW-08WT	3.0 - 8.0	NM	NM	NM	NM	NM	NM	NM	NM	7.87	8.51	8.87	8.04	8.63
OU2MW-08S	20.0 - 25.0	9.07	8.92	8.61	8.26	8.66	8.66	8.96	8.28	7.85	8.52	8.86	8.04	8.62
OU2MW-08I	35.0 - 40.0	9.08	8.92	8.62	8.27	8.67	8.66	8.97	8.29	7.87	8.56	8.86	8.02	8.61
OU2MW-08I2	50.0 - 55.0	9.12	8.95	8.66	8.30	8.71	8.70	8.99	8.32	7.89	8.52	9.58	8.06	8.64
OU2MW-08D	65.0 - 70.0	9.89	9.79	9.45	9.01	9.55	9.52	9.83	9.06	8.69	9.34	9.72	8.75	9.45
OU2MW-09	20.0 - 30.0	8.42	8.28	7.99	NM	8.04	8.02	8.27	7.71	7.37	7.93	8.20	7.47	8.00
OU2MW-10S	3.0 - 7.0	NM	NM	NM	NM	NM	NM	NM	NM	2.00	2.42	2.60	2.38	2.37
OU2MW-10I	20.0 - 25.0	NM	NM	NM	NM	NM	NM	NM	NM	2.01	2.42	2.61	2.35	2.36
OU2MW-10D	35.0 - 40.0	NM	NM	NM	NM	NM	NM	NM	NM	1.99	2.38	2.60	2.33	2.34
OU2MW-11S	3.0 - 8.0	NM	NM	NM	NM	NM	NM	NM	NM	3.29	3.65	3.92	3.58	3.68
OU2MW-11I2	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM	NM	3.24	3.68	3.86	3.55	3.62
OU2MW-15D	40.0 - 45.0	NM	NM	NM	NM	NM	NM	NM	NM	2.06	2.46	2.66	2.37	2.39
OU2MW-16S	3.0 - 8.0	NM	NM	NM	NM	NM	NM	NM	NM	2.14	2.59	2.83	2.55	2.55
OU2MW-16I	15.0 - 20.0	NM	NM	NM	NM	NM	NM	NM	NM	2.12	2.56	2.75	2.48	2.47
OU2MW-16I2	25.0 - 30.0	NM	NM	NM	NM	NM	NM	NM	NM	2.13	2.51	2.77	2.49	2.48
OU2MW-16D	35.0 - 40.0	NM	NM	NM	NM	NM	NM	NM	NM	2.14	2.56	2.75	2.48	2.48
OU2MW-39S	5.0 - 15.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
OU2MW-39I	25.0 - 30.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
OU2MW-39I2	45.0 - 50.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
OU2MW-39D	70.0 - 75.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM

Table 3-6
 Historic Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well Identification	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)					
		Jan-09	May-09	Jul-09	Minimum	Average	Maximum
OU2-IW01S	3.0 - 8.0	2.57	2.97	2.99	2.50	2.80	2.99
OU2MW-01WT	3.0 - 8.0	8.30	8.53	NC	7.74	8.33	8.70
OU2MW-01S	20.0 - 25.0	8.15	8.36	NC	7.56	8.33	8.79
OU2MW-01I	35.0 - 40.0	8.19	8.43	NC	7.56	8.48	9.96
OU2MW-01I2	50.0 - 55.0	8.13	8.33	NC	7.55	8.33	8.78
OU2MW-01D	65.0 - 70.0	9.61	9.84	NC	8.23	9.67	10.24
OU2MW-02S	20.0 - 25.0	8.08	8.28	NC	7.50	8.27	8.68
OU2MW-02I	35.0 - 40.0	8.12	8.29	NC	7.52	8.26	8.68
OU2MW-02I2	50.0 - 55.0	8.08	8.26	NC	7.10	8.21	8.67
OU2MW-02D	65.0 - 70.0	8.30	8.47	NC	7.71	8.45	8.87
OU2MW-03S	20.0 - 25.0	6.62	6.84	NC	6.12	6.78	7.23
OU2MW-03I	35.0 - 40.0	6.59	6.80	NC	6.14	6.79	7.25
OU2MW-03I2	50.0 - 55.0	6.52	6.78	NC	6.12	6.77	7.23
OU2MW-03D	65.0 - 70.0	7.17	8.67	NC	6.75	8.37	8.99
OU2MW-04WT	3.0 - 8.0	6.32	6.57	6.63	5.91	6.37	6.63
OU2MW-04S	20.0 - 25.0	6.27	5.60	6.60	5.60	6.41	6.97
OU2MW-04I	35.0 - 40.0	6.33	6.57	6.63	5.94	6.49	6.97
OU2MW-04I2	50.0 - 55.0	6.30	6.56	6.62	5.90	6.49	6.96
OU2MW-04D	65.0 - 70.0	6.25	6.56	6.63	6.06	6.51	6.99
OU2MW-05	25.0 - 35.0	3.80	-1.05	4.22	-1.05	3.73	4.44
OU2MW-06	25.0 - 35.0	1.66	2.27	2.26	1.66	2.18	2.57
OU2MW-06S	3.0 - 8.0	1.70	2.25	2.22	1.70	2.13	2.35
OU2MW-07	15.0 - 25.0	1.45	2.06	1.47	1.45	1.94	2.37
OU2MW-07S	3.0 - 8.0	1.50	2.11	2.02	1.50	1.96	2.22
OU2MW-08WT	3.0 - 8.0	8.52	8.74	8.72	7.87	8.49	8.87
OU2MW-08S	20.0 - 25.0	8.52	8.71	8.74	7.85	8.58	9.07
OU2MW-08I	35.0 - 40.0	8.49	8.71	8.74	7.87	8.58	9.08
OU2MW-08I2	50.0 - 55.0	8.52	8.72	8.74	7.89	8.65	9.58
OU2MW-08D	65.0 - 70.0	9.42	9.54	9.58	8.69	9.41	9.89
OU2MW-09	20.0 - 30.0	7.89	8.08	8.11	7.37	7.99	8.42
OU2MW-10S	3.0 - 7.0	1.99	2.41	2.52	1.99	2.34	2.60
OU2MW-10I	20.0 - 25.0	1.76	2.47	2.54	1.76	2.32	2.61
OU2MW-10D	35.0 - 40.0	1.97	2.41	2.52	1.97	2.32	2.60
OU2MW-11S	3.0 - 8.0	3.42	3.75	3.83	3.29	3.64	3.92
OU2MW-11I2	30.0 - 35.0	3.25	3.71	3.76	3.24	3.58	3.86
OU2MW-15D	40.0 - 45.0	2.02	2.45	2.60	2.02	2.38	2.66
OU2MW-16S	3.0 - 8.0	2.11	2.66	2.69	2.11	2.52	2.83
OU2MW-16I	15.0 - 20.0	2.16	2.58	2.67	2.12	2.47	2.75
OU2MW-16I2	25.0 - 30.0	2.04	2.56	2.65	2.04	2.45	2.77
OU2MW-16D	35.0 - 40.0	2.15	2.58	2.66	2.14	2.48	2.75
OU2MW-39S	5.0 - 15.0	NM	NM	12.78	12.78	12.78	12.78
OU2MW-39I	25.0 - 30.0	NM	NM	12.26	12.26	12.26	12.26
OU2MW-39I2	45.0 - 50.0	NM	NM	15.26	15.26	15.26	15.26
OU2MW-39D	70.0 - 75.0	NM	NM	12.27	12.27	12.27	12.27

Table 3-6
Historic Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Notes:

NM - Not Measured

bgs- below ground surface

Well Elevations obtained from 2007 Survey and reference NVGD88 datum

NC - Not Calculated

Table 3-7
 Summary of Historic Total BTEX Groundwater Analytical Results - Upgradient of Montauk Highway Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Total BTEX Groundwater Concentrations (ug/L)								
		Sampling Date								
		1992	1999	2002				2003		
		Sept	Oct/Nov	Jan/Feb	Apr/May	June/Jul	Nov/Dec	Feb-Apr	Jul/Aug	Sept/Oct
BBMW-01S**	5.0 - 15.0	--	270	--	219	--	3,440	2,000	2,500	2,661
BBMW-01I**	32.0 - 42.0	--	3	--	222	--	230	710	460	350
BBMW-01D**	68.5 - 78.5	--	214	--	542	--	--	--	1,294	1,193
BBMW-02S	5.0 - 15.0	--	0	--	0	--	--	--	--	--
BBMW-02I	30.0 - 40.0	--	7	--	0	--	--	--	--	--
BBMW-02D	73.0 - 83.0	--	21	--	0	--	--	--	--	--
BBMW-15S	5.0 - 15.0	--	0	--	0	--	0	0	--	--
BBMW-15I	23.0 - 28.0	--	473	--	2	--	0	0	--	--
BBMW-15I2	35.0 - 45.0	--	47	--	0	--	--	0	--	--
BBMW-15D	70.0 - 80.0	--	0	--	0	--	--	--	--	--
BBMW-16S	5.0 - 15.0	--	0	--	--	--	--	--	--	--
BBMW-16I	35.0 - 45.0	--	0	--	--	--	--	--	--	--
BBMW-16D	68.0 - 78.0	--	0	--	--	--	--	--	--	--
BBMW-23S**	5.0 - 15.0	--	--	--	--	32,850	43,650	22,100	34,485	20,162
BBMW-23I**	33.0 - 43.0	--	--	--	--	0	--	0	0	0
BBMW-23D**	49.5 - 59.5	--	--	--	--	10	17	15	53	45
BBMW-23D2**	63.0 - 73.0	--	--	--	--	28	--	0	97	80
BBMW-24S	4.0 - 14.0	--	--	--	14	--	0	0	0	0
BBMW-24I	32.0 - 42.0	--	--	--	264	--	533	612	774	833
BBMW-24D	59.5 - 69.5	--	--	--	1,102	--	--	1,005	837	1,389
GM-03S	6.78 - 21.78	41	70	4	36	--	--	32	--	--
GM-03I	30.03 - 45.03	7	26	7	135	--	--	0	--	--
GM-03D	53.18 - 68.18	175	0	0	0	--	--	0	--	--
MW-16AS	3.0 - 13.0	--	0	--	0	--	--	--	--	--
OU2MW-08WT	3.0 - 8.0	--	--	--	--	--	--	--	--	--
OU2MW-08S	20.0 - 25.0	--	--	--	--	--	--	--	--	--
OU2MW-08I	35.0 - 40.0	--	--	--	--	--	--	--	--	--
OU2MW-08I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--
OU2MW-08D	65.0 - 70.0	--	--	--	--	--	--	--	--	--
OU2MW-17S	5.0 - 10.0	--	--	--	--	--	--	--	--	--
OU2MW-17I	13.0 - 23.0	--	--	--	--	--	--	--	--	--
OU2MW-17I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--
OU2MW-17D	60.0 - 75.0	--	--	--	--	--	--	--	--	--
OU2MW-18I	13.0 - 23.0	--	--	--	--	--	--	--	--	--
OU2MW-18I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--
OU2MW-18D	60.0 - 70.0	--	--	--	--	--	--	--	--	--
OU2MW-19I	13.0 - 23.0	--	--	--	--	--	--	--	--	--
OU2MW-19I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--
OU2MW-19D	65.0 - 70.0	--	--	--	--	--	--	--	--	--
OU2MW-20S	4.0 - 9.0	--	--	--	--	--	--	--	--	--
OU2MW-20I	13.0 - 23.0	--	--	--	--	--	--	--	--	--
OU2MW-20I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--
OU2MW-20D	65.0 - 70.0	--	--	--	--	--	--	--	--	--
OU2MW-21S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OU2MW-21I	13.0 - 23.0	--	--	--	--	--	--	--	--	--
OU2MW-21I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--

Table 3-7
 Summary of Historic Total BTEX Groundwater Analytical Results - Upgradient of Montauk Highway Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Total BTEX Groundwater Concentrations (ug/L)								
		Sampling Date								
		1992	1999	2002				2003		
		Sept	Oct/Nov	Jan/Feb	Apr/May	June/Jul	Nov/Dec	Feb-Apr	Jul/Aug	Sept/Oct
OU2MW-22S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OU2MW-22I	25.0 - 30.0	--	--	--	--	--	--	--	--	--
OU2MW-22I2	46.0 - 51.0	--	--	--	--	--	--	--	--	--
OU2MW-22D	67.0 - 72.0	--	--	--	--	--	--	--	--	--
OU2MW-23S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OU2MW-23I	25.0 - 30.0	--	--	--	--	--	--	--	--	--
OU2MW-23I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--
OU2MW-23D	65.0 - 70.0	--	--	--	--	--	--	--	--	--
OU2MW-24S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OU2MW-24I	25.0 - 30.0	--	--	--	--	--	--	--	--	--
OU2MW-24I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--
OU2MW-24D	62.0 - 67.0	--	--	--	--	--	--	--	--	--
OU2MW-25S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OU2MW-25I	25.0 - 30.0	--	--	--	--	--	--	--	--	--
OU2MW-25I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--
OU2MW-25D	70.0 - 75.0	--	--	--	--	--	--	--	--	--
OU2MW-26S	6.0 - 11.0	--	--	--	--	--	--	--	--	--
OU2MW-26I	13.0 - 23.0	--	--	--	--	--	--	--	--	--
OU2MW-26I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--
OU2MW-26D	60.0 - 70.0	--	--	--	--	--	--	--	--	--
OU2MW-28S**	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OU2MW-28I**	28.0 - 33.0	--	--	--	--	--	--	--	--	--
OU2MW-28I2**	40.0 - 45.0	--	--	--	--	--	--	--	--	--
OU2MW-29I**	18.0 - 23.0	--	--	--	--	--	--	--	--	--
OU2MW-29I2**	30.0 - 35.0	--	--	--	--	--	--	--	--	--
OU2MW-29D**	45.0 - 50.0	--	--	--	--	--	--	--	--	--
OU2MW-30S**	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OU2MW-30I**	25.0 - 30.0	--	--	--	--	--	--	--	--	--
OU2MW-30I2**	30.0 - 35.0	--	--	--	--	--	--	--	--	--
OU2MW-30I3**	45.0 - 50.0	--	--	--	--	--	--	--	--	--
OU2MW-30D**	50.0 - 55.0	--	--	--	--	--	--	--	--	--
OU2MW-30D2**	60.0 - 65.0	--	--	--	--	--	--	--	--	--
OU2MW-31I**	18.0 - 23.0	--	--	--	--	--	--	--	--	--
OU2MW-31I2**	30.0 - 35.0	--	--	--	--	--	--	--	--	--
OU2MW-32S**	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OU2MW-32I**	20.0 - 25.0	--	--	--	--	--	--	--	--	--
OU2MW-32I2**	30.0 - 35.0	--	--	--	--	--	--	--	--	--
OU2MW-32D**	40.0 - 45.0	--	--	--	--	--	--	--	--	--
OU2MW-33S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OU2MW-33I	25.0 - 30.0	--	--	--	--	--	--	--	--	--
OU2MW-33I2	35.0 - 40.0	--	--	--	--	--	--	--	--	--
OU2MW-33D	50.0 - 55.0	--	--	--	--	--	--	--	--	--
OU2MW-34S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OU2MW-34I	25.0 - 30.0	--	--	--	--	--	--	--	--	--

Table 3-7
 Summary of Historic Total BTEX Groundwater Analytical Results - Upgradient of Montauk Highway Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Total BTEX Groundwater Concentrations (ug/L)								
		Sampling Date								
		1992	1999	2002				2003		
		Sept	Oct/Nov	Jan/Feb	Apr/May	June/Jul	Nov/Dec	Feb-Apr	Jul/Aug	Sept/Oct
OU2MW-34I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--
OU2MW-35S**	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OU2MW-35I**	25.0 - 30.0	--	--	--	--	--	--	--	--	--
OU2MW-35I2**	45.0 - 50.0	--	--	--	--	--	--	--	--	--
OU2MW-35D**	57.0 - 62.0	--	--	--	--	--	--	--	--	--
OU2MW-36S**	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OU2MW-36I**	25.0 - 30.0	--	--	--	--	--	--	--	--	--
OU2MW-36I2**	45.0 - 50.0	--	--	--	--	--	--	--	--	--
OU2MW-36D**	61.0 - 66.0	--	--	--	--	--	--	--	--	--
OU2MW-37S**	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OU2MW-37I**	25.0 - 30.0	--	--	--	--	--	--	--	--	--
OU2MW-37I2**	45.0 - 50.0	--	--	--	--	--	--	--	--	--
OU2MW-37D**	67.0 - 72.0	--	--	--	--	--	--	--	--	--
OU2MW-38S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OU2MW-38I	25.0 - 30.0	--	--	--	--	--	--	--	--	--
OU2MW-38I2	46.0 - 51.0	--	--	--	--	--	--	--	--	--
OU2MW-38D	56.0 - 61.0	--	--	--	--	--	--	--	--	--
OU2MW-39S**	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OU2MW-39I**	25.0 - 30.0	--	--	--	--	--	--	--	--	--
OU2MW-39I2**	45.0 - 50.0	--	--	--	--	--	--	--	--	--
OU2MW-39D**	70.0 - 75.0	--	--	--	--	--	--	--	--	--
OU2MW-40S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OU2MW-40I	18.0 - 23.0	--	--	--	--	--	--	--	--	--
OU2MW-41S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OU2MW-41I	18.0 - 23.0	--	--	--	--	--	--	--	--	--
OU2MW-42S**	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OU2MW-42I**	25.0 - 30.0	--	--	--	--	--	--	--	--	--
OU2MW-42I2**	45.0 - 50.0	--	--	--	--	--	--	--	--	--
OU2MW-42D**	60.0 - 65.0	--	--	--	--	--	--	--	--	--
OU2MW-45S**	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OU2MW-45I**	20.0 - 25.0	--	--	--	--	--	--	--	--	--
OU2MW-45I2**	40.0 - 45.0	--	--	--	--	--	--	--	--	--
OU2MW-45D**	55.0 - 60.0	--	--	--	--	--	--	--	--	--
OU2MW-46S**	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OU2MW-46I**	20.0 - 25.0	--	--	--	--	--	--	--	--	--
OU2MW-46I2**	40.0 - 45.0	--	--	--	--	--	--	--	--	--
OU2MW-47S**	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OU2MW-47I**	20.0 - 25.0	--	--	--	--	--	--	--	--	--
OU2MW-47I2**	40.0 - 45.0	--	--	--	--	--	--	--	--	--
OU2MW-47D**	60.0 - 65.0	--	--	--	--	--	--	--	--	--

Table 3-7
 Summary of Historic Total BTEX Groundwater Analytical Results - Upgradient of Montauk Highway Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Total BTEX Groundwater Concentrations (ug/L)									
		Sampling Date									
		2004				2005				2006	
		Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	June	August	Nov/Dec	March	June
BBMW-01S**	5.0 - 15.0	3,510	1,988	1,576	2,520	1,930	1,085	1,080	1,090	273	59
BBMW-01I**	32.0 - 42.0	190	170	170	93	220	230	120	120	43	94
BBMW-01D**	68.5 - 78.5	293	265	304	94	191	585	112	32	24	216
BBMW-02S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
BBMW-02I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--
BBMW-02D	73.0 - 83.0	--	--	--	--	--	--	--	--	--	--
BBMW-15S	5.0 - 15.0	0	--	--	--	0	0	--	--	0	0
BBMW-15I	23.0 - 28.0	0	--	--	--	0	--	--	--	--	--
BBMW-15I2	35.0 - 45.0	0	--	--	--	0	--	--	--	--	--
BBMW-15D	70.0 - 80.0	--	--	--	--	--	--	--	--	--	--
BBMW-16S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
BBMW-16I	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
BBMW-16D	68.0 - 78.0	--	--	--	--	--	--	--	--	--	--
BBMW-23S**	5.0 - 15.0	20,573	21,133	20,954	6,284	6,047	29,430	3,300	1,725	7,450	4,070
BBMW-23I**	33.0 - 43.0	0	0	0	0	--	0	0	--	0	0
BBMW-23D**	49.5 - 59.5	0	12	136	71	234	446	210	--	729	467
BBMW-23D2**	63.0 - 73.0	0	--	0	--	0	--	--	--	0	--
BBMW-24S	4.0 - 14.0	0	0	0	0	0	0	0	--	0	0
BBMW-24I	32.0 - 42.0	96	82	2,408	2,068	477	1,290	175	--	--	519
BBMW-24D	59.5 - 69.5	1,420	590	194	183	666	799	658	--	--	367
GM-03S	6.78 - 21.78	229	--	--	128	40	--	103	133	19	126
GM-03I	30.03 - 45.03	879	--	--	--	0	--	137	--	196	0
GM-03D	53.18 - 68.18	0	--	0	--	0	--	0	--	--	--
MW-16AS	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--
OU2MW-08WT	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--
OU2MW-08S	20.0 - 25.0	--	--	--	--	--	--	2,210	--	617	1,456
OU2MW-08I	35.0 - 40.0	--	--	--	--	--	--	181	--	527	196
OU2MW-08I2	50.0 - 55.0	--	--	--	--	--	--	112	--	172	272
OU2MW-08D	65.0 - 70.0	--	--	--	--	--	--	0	--	0	0
OU2MW-17S	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--
OU2MW-17I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--
OU2MW-17I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OU2MW-17D	60.0 - 75.0	--	--	--	--	--	--	--	--	--	--
OU2MW-18I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--
OU2MW-18I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OU2MW-18D	60.0 - 70.0	--	--	--	--	--	--	--	--	--	--
OU2MW-19I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--
OU2MW-19I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OU2MW-19D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
OU2MW-20S	4.0 - 9.0	--	--	--	--	--	--	--	--	--	--
OU2MW-20I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--
OU2MW-20I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OU2MW-20D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
OU2MW-21S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-21I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--
OU2MW-21I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--

Table 3-7
 Summary of Historic Total BTEX Groundwater Analytical Results - Upgradient of Montauk Highway Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Total BTEX Groundwater Concentrations (ug/L)									
		Sampling Date									
		2004				2005				2006	
		Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	June	August	Nov/Dec	March	June
OU2MW-22S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-22I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-22I2	46.0 - 51.0	--	--	--	--	--	--	--	--	--	--
OU2MW-22D	67.0 - 72.0	--	--	--	--	--	--	--	--	--	--
OU2MW-23S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-23I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-23I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-23D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
OU2MW-24S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-24I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-24I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-24D	62.0 - 67.0	--	--	--	--	--	--	--	--	--	--
OU2MW-25S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-25I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-25I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-25D	70.0 - 75.0	--	--	--	--	--	--	--	--	--	--
OU2MW-26S	6.0 - 11.0	--	--	--	--	--	--	--	--	--	--
OU2MW-26I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--
OU2MW-26I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OU2MW-26D	60.0 - 70.0	--	--	--	--	--	--	--	--	--	--
OU2MW-28S**	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-28I**	28.0 - 33.0	--	--	--	--	--	--	--	--	--	--
OU2MW-28I2**	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OU2MW-29I**	18.0 - 23.0	--	--	--	--	--	--	--	--	--	--
OU2MW-29I2**	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--
OU2MW-29D**	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-30S**	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-30I**	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-30I2**	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--
OU2MW-30I3**	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-30D**	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--
OU2MW-30D2**	60.0 - 65.0	--	--	--	--	--	--	--	--	--	--
OU2MW-31I**	18.0 - 23.0	--	--	--	--	--	--	--	--	--	--
OU2MW-31I2**	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--
OU2MW-32S**	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-32I**	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--
OU2MW-32I2**	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--
OU2MW-32D**	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OU2MW-33S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-33I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-33I2	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--
OU2MW-33D	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--
OU2MW-34S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-34I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--

Table 3-7
 Summary of Historic Total BTEX Groundwater Analytical Results - Upgradient of Montauk Highway Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Total BTEX Groundwater Concentrations (ug/L)									
		Sampling Date									
		2004				2005				2006	
		Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	June	August	Nov/Dec	March	June
OU2MW-34I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-35S**	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-35I**	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-35I2**	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-35D**	57.0 - 62.0	--	--	--	--	--	--	--	--	--	--
OU2MW-36S**	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-36I**	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-36I2**	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-36D**	61.0 - 66.0	--	--	--	--	--	--	--	--	--	--
OU2MW-37S**	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-37I**	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-37I2**	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-37D**	67.0 - 72.0	--	--	--	--	--	--	--	--	--	--
OU2MW-38S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-38I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-38I2	46.0 - 51.0	--	--	--	--	--	--	--	--	--	--
OU2MW-38D	56.0 - 61.0	--	--	--	--	--	--	--	--	--	--
OU2MW-39S**	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-39I**	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-39I2**	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-39D**	70.0 - 75.0	--	--	--	--	--	--	--	--	--	--
OU2MW-40S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-40I	18.0 - 23.0	--	--	--	--	--	--	--	--	--	--
OU2MW-41S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-41I	18.0 - 23.0	--	--	--	--	--	--	--	--	--	--
OU2MW-42S**	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-42I**	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-42I2**	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-42D**	60.0 - 65.0	--	--	--	--	--	--	--	--	--	--
OU2MW-45S**	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-45I**	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--
OU2MW-45I2**	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OU2MW-45D**	55.0 - 60.0	--	--	--	--	--	--	--	--	--	--
OU2MW-46S**	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-46I**	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--
OU2MW-46I2**	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OU2MW-47S**	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-47I**	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--
OU2MW-47I2**	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OU2MW-47D**	60.0 - 65.0	--	--	--	--	--	--	--	--	--	--

Table 3-7
 Summary of Historic Total BTEX Groundwater Analytical Results - Upgradient of Montauk Highway Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Total BTEX Groundwater Concentrations (ug/L)									
		Sampling Date									
		2006		2007				2008			
		Jul/Aug	Nov/Dec	March	May-Jul	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	July-Sep	Oct-Dec
BBMW-01S**	5.0 - 15.0	1,361	2,329	949	3,640	7,420	5,590	4,210	3,022	1,251	797
BBMW-01I**	32.0 - 42.0	110	110	77	156	375	274	262	64	57	36
BBMW-01D**	68.5 - 78.5	462	109	32	555	386	9	43	81	75	21
BBMW-02S	5.0 - 15.0	--	--	0	0	0	0	0	4	0	0
BBMW-02I	30.0 - 40.0	--	--	0	0	0	0	0	0	0	0
BBMW-02D	73.0 - 83.0	--	--	0	0	0	0	0	0	0	0
BBMW-15S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0
BBMW-15I	23.0 - 28.0	0	--	0	0	0	0	0	0	0	0
BBMW-15I2	35.0 - 45.0	0	--	0	0	0	0	0	0	0	149
BBMW-15D	70.0 - 80.0	--	--	0	0	0	0	0	0	0	0
BBMW-16S	5.0 - 15.0	--	--	0	0	0	0	0	0	0	0
BBMW-16I	35.0 - 45.0	--	--	0	0	0	0	0	0	0	0
BBMW-16D	68.0 - 78.0	--	--	0	0	0	0	0	0	0	0
BBMW-23S**	5.0 - 15.0	6,558	120	12,332	18,185	19,818	14,940	26,389	22,830	18,758	9,986
BBMW-23I**	33.0 - 43.0	0	0	0	0	19	10	0	3	0	0
BBMW-23D**	49.5 - 59.5	509	579	519	96	1,324	660	493	23	12	14
BBMW-23D2**	63.0 - 73.0	--	--	0	0	0	0	0	3	0	0
BBMW-24S	4.0 - 14.0	0	0	0	0	0	0	0	0	117	0
BBMW-24I	32.0 - 42.0	--	183	116	115	277	9	0	0	0	0
BBMW-24D	59.5 - 69.5	--	647	662	0	7	4	176	215	7	15
GM-03S	6.78 - 21.78	177	69	116	0	0	0	0	0	23	--
GM-03I	30.03 - 45.03	0	0	0	78	190	129	245	161	257	--
GM-03D	53.18 - 68.18	--	--	0	0	0	0	0	0	0	--
MW-16AS	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--
OU2MW-08WT	3.0 - 8.0	--	--	--	0	0	0	0	--	0	0
OU2MW-08S	20.0 - 25.0	1,641	829	378	279	305	332	1,088	858	692	1,010
OU2MW-08I	35.0 - 40.0	355	201	167	521	481	196	88	245	62	69
OU2MW-08I2	50.0 - 55.0	590	582	249	105	120	545	369	317	248	293
OU2MW-08D	65.0 - 70.0	0	0	0	0	0	0	0	0	16	0
OU2MW-17S	5.0 - 10.0	--	--	--	--	--	--	--	0	0	0
OU2MW-17I	13.0 - 23.0	--	--	--	--	--	--	--	90	0	0
OU2MW-17I2	35.0 - 45.0	--	--	--	--	--	--	--	0	0	0
OU2MW-17D	60.0 - 75.0	--	--	--	--	--	--	--	0	0	0
OU2MW-18I	13.0 - 23.0	--	--	--	--	--	--	--	5,500	5,447	27,560
OU2MW-18I2	35.0 - 45.0	--	--	--	--	--	--	--	0	0	0
OU2MW-18D	60.0 - 70.0	--	--	--	--	--	--	--	0	0	0
OU2MW-19I	13.0 - 23.0	--	--	--	--	--	--	--	1,616	4,617	2,299
OU2MW-19I2	35.0 - 45.0	--	--	--	--	--	--	--	130	133	112
OU2MW-19D	65.0 - 70.0	--	--	--	--	--	--	--	--	543	1,818
OU2MW-20S	4.0 - 9.0	--	--	--	--	--	--	--	0	1	0
OU2MW-20I	13.0 - 23.0	--	--	--	--	--	--	--	616	354	715
OU2MW-20I2	35.0 - 45.0	--	--	--	--	--	--	--	1	0	0
OU2MW-20D	65.0 - 70.0	--	--	--	--	--	--	--	--	0	0
OU2MW-21S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	82
OU2MW-21I	13.0 - 23.0	--	--	--	--	--	--	--	780	1,041	1,877
OU2MW-21I2	35.0 - 45.0	--	--	--	--	--	--	--	46	83	367

Table 3-7
 Summary of Historic Total BTEX Groundwater Analytical Results - Upgradient of Montauk Highway Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Total BTEX Groundwater Concentrations (ug/L)									
		Sampling Date									
		2006		2007				2008			
		Jul/Aug	Nov/Dec	March	May-Jul	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	July-Sep	Oct-Dec
OU2MW-22S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	0
OU2MW-22I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	298
OU2MW-22I2	46.0 - 51.0	--	--	--	--	--	--	--	--	--	0
OU2MW-22D	67.0 - 72.0	--	--	--	--	--	--	--	--	--	0
OU2MW-23S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	0
OU2MW-23I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	2,029
OU2MW-23I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	0
OU2MW-23D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	0
OU2MW-24S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	0
OU2MW-24I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	2,862
OU2MW-24I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	0
OU2MW-24D	62.0 - 67.0	--	--	--	--	--	--	--	--	--	0
OU2MW-25S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	0
OU2MW-25I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	125
OU2MW-25I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	0
OU2MW-25D	70.0 - 75.0	--	--	--	--	--	--	--	--	--	0
OU2MW-26S	6.0 - 11.0	--	--	--	--	--	--	--	0	0	0
OU2MW-26I	13.0 - 23.0	--	--	--	--	--	--	--	40	253	245
OU2MW-26I2	35.0 - 45.0	--	--	--	--	--	--	--	0	5	347
OU2MW-26D	60.0 - 70.0	--	--	--	--	--	--	--	76	167	187
OU2MW-28S**	5.0 - 15.0	--	--	--	--	--	--	--	--	0	0
OU2MW-28I**	28.0 - 33.0	--	--	--	--	--	--	--	--	400	169
OU2MW-28I2**	40.0 - 45.0	--	--	--	--	--	--	--	--	0	2
OU2MW-29I**	18.0 - 23.0	--	--	--	--	--	--	--	--	1,290	1,715
OU2MW-29I2**	30.0 - 35.0	--	--	--	--	--	--	--	--	1,316	246
OU2MW-29D**	45.0 - 50.0	--	--	--	--	--	--	--	--	211	405
OU2MW-30S**	5.0 - 15.0	--	--	--	--	--	--	--	--	52	251
OU2MW-30I**	25.0 - 30.0	--	--	--	--	--	--	--	--	312	281
OU2MW-30I2**	30.0 - 35.0	--	--	--	--	--	--	--	--	533	41
OU2MW-30I3**	45.0 - 50.0	--	--	--	--	--	--	--	--	91	247
OU2MW-30D**	50.0 - 55.0	--	--	--	--	--	--	--	--	301	206
OU2MW-30D2**	60.0 - 65.0	--	--	--	--	--	--	--	--	282	406
OU2MW-31I**	18.0 - 23.0	--	--	--	--	--	--	--	--	512	343
OU2MW-31I2**	30.0 - 35.0	--	--	--	--	--	--	--	--	0	0
OU2MW-32S**	5.0 - 15.0	--	--	--	--	--	--	--	--	0	0
OU2MW-32I**	20.0 - 25.0	--	--	--	--	--	--	--	--	2,073	1,355
OU2MW-32I2**	30.0 - 35.0	--	--	--	--	--	--	--	--	1,493	375
OU2MW-32D**	40.0 - 45.0	--	--	--	--	--	--	--	--	57	177
OU2MW-33S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-33I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-33I2	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--
OU2MW-33D	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--
OU2MW-34S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-34I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--

Table 3-7
 Summary of Historic Total BTEX Groundwater Analytical Results - Upgradient of Montauk Highway Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Total BTEX Groundwater Concentrations (ug/L)									
		Sampling Date									
		2006		2007				2008			
		Jul/Aug	Nov/Dec	March	May-Jul	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	July-Sep	Oct-Dec
OU2MW-34I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-35S**	5.0 - 15.0	--	--	--	--	--	--	--	--	--	17
OU2MW-35I**	25.0 - 30.0	--	--	--	--	--	--	--	--	--	678
OU2MW-35I2**	45.0 - 50.0	--	--	--	--	--	--	--	--	--	0
OU2MW-35D**	57.0 - 62.0	--	--	--	--	--	--	--	--	--	0
OU2MW-36S**	5.0 - 15.0	--	--	--	--	--	--	--	--	--	0
OU2MW-36I**	25.0 - 30.0	--	--	--	--	--	--	--	--	--	288
OU2MW-36I2**	45.0 - 50.0	--	--	--	--	--	--	--	--	--	0
OU2MW-36D**	61.0 - 66.0	--	--	--	--	--	--	--	--	--	0
OU2MW-37S**	5.0 - 15.0	--	--	--	--	--	--	--	--	--	0
OU2MW-37I**	25.0 - 30.0	--	--	--	--	--	--	--	--	--	87
OU2MW-37I2**	45.0 - 50.0	--	--	--	--	--	--	--	--	--	0
OU2MW-37D**	67.0 - 72.0	--	--	--	--	--	--	--	--	--	0
OU2MW-38S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	0
OU2MW-38I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	4,001
OU2MW-38I2	46.0 - 51.0	--	--	--	--	--	--	--	--	--	0
OU2MW-38D	56.0 - 61.0	--	--	--	--	--	--	--	--	--	0
OU2MW-39S**	5.0 - 15.0	--	--	--	--	--	--	--	--	--	0
OU2MW-39I**	25.0 - 30.0	--	--	--	--	--	--	--	--	--	0
OU2MW-39I2**	45.0 - 50.0	--	--	--	--	--	--	--	--	--	1
OU2MW-39D**	70.0 - 75.0	--	--	--	--	--	--	--	--	--	0
OU2MW-40S	5.0 - 15.0	--	--	--	--	--	--	--	--	0	0
OU2MW-40I	18.0 - 23.0	--	--	--	--	--	--	--	--	192	61
OU2MW-41S	5.0 - 15.0	--	--	--	--	--	--	--	--	0	92
OU2MW-41I	18.0 - 23.0	--	--	--	--	--	--	--	--	1,500	1,625
OU2MW-42S**	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-42I**	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-42I2**	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-42D**	60.0 - 65.0	--	--	--	--	--	--	--	--	--	--
OU2MW-45S**	5.0 - 15.0	--	--	--	--	--	--	--	--	--	108
OU2MW-45I**	20.0 - 25.0	--	--	--	--	--	--	--	--	--	3
OU2MW-45I2**	40.0 - 45.0	--	--	--	--	--	--	--	--	--	0
OU2MW-45D**	55.0 - 60.0	--	--	--	--	--	--	--	--	--	0
OU2MW-46S**	5.0 - 15.0	--	--	--	--	--	--	--	--	--	421
OU2MW-46I**	20.0 - 25.0	--	--	--	--	--	--	--	--	--	1,898
OU2MW-46I2**	40.0 - 45.0	--	--	--	--	--	--	--	--	--	2
OU2MW-47S**	5.0 - 15.0	--	--	--	--	--	--	--	--	--	148
OU2MW-47I**	20.0 - 25.0	--	--	--	--	--	--	--	--	--	1,039
OU2MW-47I2**	40.0 - 45.0	--	--	--	--	--	--	--	--	--	297
OU2MW-47D**	60.0 - 65.0	--	--	--	--	--	--	--	--	--	472

Table 3-7
 Summary of Historic Total BTEX Groundwater Analytical Results - Upgradient of Montauk Highway Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Total BTEX Groundwater Concentrations (ug/L)							
		Sampling Date			Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2009							
		Jan-Mar	Apr-Jun	July-Sep					
BBMW-01S**	5.0 - 15.0	284	43	29	43	7,420	2,039	29	7,420
BBMW-01I**	32.0 - 42.0	47	66	29	3	710	181	3	710
BBMW-01D**	68.5 - 78.5	33	47	115	9	1,294	277	9	1,294
BBMW-02S	5.0 - 15.0	0	0	0	0	4	0	0	4
BBMW-02I	30.0 - 40.0	0	0	0	0	7	1	0	7
BBMW-02D	73.0 - 83.0	0	0	0	0	21	2	0	21
BBMW-15S	5.0 - 15.0	0	0	0	0	0	0	0	0
BBMW-15I	23.0 - 28.0	146	0	0	0	473	37	0	473
BBMW-15I2	35.0 - 45.0	0	0	0	0	149	12	0	149
BBMW-15D	70.0 - 80.0	0	0	0	0	0	0	0	0
BBMW-16S	5.0 - 15.0	0	0	0	0	0	0	0	0
BBMW-16I	35.0 - 45.0	0	0	0	0	0	0	0	0
BBMW-16D	68.0 - 78.0	0	0	0	0	0	0	0	0
BBMW-23S**	5.0 - 15.0	11,860	6,483	11,108	120	43,650	16,388	120	43,650
BBMW-23I**	33.0 - 43.0	0	0	0	0	19	1	0	19
BBMW-23D**	49.5 - 59.5	7	10	6	0	1,324	257	0	1,324
BBMW-23D2**	63.0 - 73.0	0	0	0	0	97	12	0	97
BBMW-24S	4.0 - 14.0	0	0	0	0	117	5	0	117
BBMW-24I	32.0 - 42.0	10	394	14	0	2,408	468	0	2,408
BBMW-24D	59.5 - 69.5	22	107	29	0	1,420	481	0	1,420
GM-03S	6.78 - 21.78	--	--	--	0	229	64	0	229
GM-03I	30.03 - 45.03	--	--	--	0	879	129	0	879
GM-03D	53.18 - 68.18	--	--	--	0	175	11	0	175
MW-16AS	3.0 - 13.0	--	--	--	0	0	0	0	0
OU2MW-08WT	3.0 - 8.0	0	0	0	0	0	0	0	0
OU2MW-08S	20.0 - 25.0	1,078	898	314	279	2,210	911	279	2,210
OU2MW-08I	35.0 - 40.0	46	333	209	46	527	245	46	527
OU2MW-08I2	50.0 - 55.0	152	39	86	39	590	278	39	590
OU2MW-08D	65.0 - 70.0	0	0	0	0	16	1	0	16
OU2MW-17S	5.0 - 10.0	0	0	0	0	0	0	0	0
OU2MW-17I	13.0 - 23.0	80	164	17	0	164	67	0	164
OU2MW-17I2	35.0 - 45.0	0	0	0	0	0	0	0	0
OU2MW-17D	60.0 - 75.0	0	0	0	0	0	0	0	0
OU2MW-18I	13.0 - 23.0	28,040	3,791	1,500	3,791	28,040	14,068	1,500	28,040
OU2MW-18I2	35.0 - 45.0	0	0	0	0	0	0	0	0
OU2MW-18D	60.0 - 70.0	0	0	0	0	0	0	0	0
OU2MW-19I	13.0 - 23.0	82	110	121	82	4,617	1,745	82	4,617
OU2MW-19I2	35.0 - 45.0	103	75	61	75	133	111	61	133
OU2MW-19D	65.0 - 70.0	542	341	127	341	1,818	811	127	1,818
OU2MW-20S	4.0 - 9.0	0	0	0	0	1	0	0	1
OU2MW-20I	13.0 - 23.0	819	158	28	158	819	532	28	819
OU2MW-20I2	35.0 - 45.0	0	0	0	0	1	0	0	1
OU2MW-20D	65.0 - 70.0	0	0	0	0	0	0	0	0
OU2MW-21S	5.0 - 15.0	870	0	0	0	870	317	0	870
OU2MW-21I	13.0 - 23.0	4,930	195	26	195	4,930	1,765	26	4,930
OU2MW-21I2	35.0 - 45.0	479	99	176	46	479	215	46	479

Table 3-7
 Summary of Historic Total BTEX Groundwater Analytical Results - Upgradient of Montauk Highway Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Total BTEX Groundwater Concentrations (ug/L)							
		Sampling Date			Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2009							
		Jan-Mar	Apr-Jun	July-Sep					
OU2MW-22S	5.0 - 15.0	2	0	0	0	2	1	0	2
OU2MW-22I	25.0 - 30.0	125	6	158	6	298	143	6	298
OU2MW-22I2	46.0 - 51.0	0	0	0	0	0	0	0	0
OU2MW-22D	67.0 - 72.0	0	0	0	0	0	0	0	0
OU2MW-23S	5.0 - 15.0	0	0	0	0	0	0	0	0
OU2MW-23I	25.0 - 30.0	157	117	2,393	117	2,029	768	117	2,393
OU2MW-23I2	45.0 - 50.0	0	0	0	0	0	0	0	0
OU2MW-23D	65.0 - 70.0	0	0	0	0	0	0	0	0
OU2MW-24S	5.0 - 15.0	23	0	0	0	23	8	0	23
OU2MW-24I	25.0 - 30.0	2,153	197	56	197	2,862	1,737	56	2,862
OU2MW-24I2	45.0 - 50.0	0	0	0	0	0	0	0	0
OU2MW-24D	62.0 - 67.0	0	0	0	0	0	0	0	0
OU2MW-25S	5.0 - 15.0	0	0	0	0	0	0	0	0
OU2MW-25I	25.0 - 30.0	276	138	49	125	276	180	49	276
OU2MW-25I2	45.0 - 50.0	0	0	0	0	0	0	0	0
OU2MW-25D	70.0 - 75.0	0	0	0	0	0	0	0	0
OU2MW-26S	6.0 - 11.0	0	0	0	0	0	0	0	0
OU2MW-26I	13.0 - 23.0	287	4	5	4	287	166	4	287
OU2MW-26I2	35.0 - 45.0	1,559	26	3	0	1,559	387	0	1,559
OU2MW-26D	60.0 - 70.0	474	335	491	76	474	248	76	491
OU2MW-28S**	5.0 - 15.0	0	0	0	0	0	0	0	0
OU2MW-28I**	28.0 - 33.0	93	3	4	3	400	166	3	400
OU2MW-28I2**	40.0 - 45.0	1	2	72	0	2	1	0	72
OU2MW-29I**	18.0 - 23.0	1,122	480	31	480	1,715	1,152	31	1,715
OU2MW-29I2**	30.0 - 35.0	87	96	99	87	1,316	436	87	1,316
OU2MW-29D**	45.0 - 50.0	359	388	173	211	405	341	173	405
OU2MW-30S**	5.0 - 15.0	3	0	0	0	251	77	0	251
OU2MW-30I**	25.0 - 30.0	208	729	218	208	729	383	208	729
OU2MW-30I2**	30.0 - 35.0	43	471	195	41	520	272	41	533
OU2MW-30I3**	45.0 - 50.0	254	130	31	91	254	181	31	254
OU2MW-30D**	50.0 - 55.0	134	197	30	134	301	210	30	301
OU2MW-30D2**	60.0 - 65.0	375	347	220	282	406	353	220	406
OU2MW-31I**	18.0 - 23.0	779	856	3	343	856	623	3	856
OU2MW-31I2**	30.0 - 35.0	1	413	59	0	413	104	0	413
OU2MW-32S**	5.0 - 15.0	0	0	0	0	0	0	0	0
OU2MW-32I**	20.0 - 25.0	3,698	5,013	701	1,355	5,013	3,035	701	5,013
OU2MW-32I2**	30.0 - 35.0	71	57	7	57	1,493	499	7	1,493
OU2MW-32D**	40.0 - 45.0	25	8	0	8	177	67	0	177
OU2MW-33S	5.0 - 15.0	0	0	0	0	0	0	0	0
OU2MW-33I	25.0 - 30.0	3,159	63	5	63	3,159	1,611	5	3,159
OU2MW-33I2	35.0 - 40.0	77	2	0	2	77	40	0	77
OU2MW-33D	50.0 - 55.0	2	0	0	0	2	1	0	2
OU2MW-34S	5.0 - 15.0	0	0	0	0	0	0	0	0
OU2MW-34I	25.0 - 30.0	2,348	2,227	1,041	2,227	2,348	2,288	1,041	2,348

Table 3-7
 Summary of Historic Total BTEX Groundwater Analytical Results - Upgradient of Montauk Highway Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Total BTEX Groundwater Concentrations (ug/L)							
		Sampling Date			Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2009							
		Jan-Mar	Apr-Jun	July-Sep					
OU2MW-34I2	45.0 - 50.0	0	0	0	0	0	0	0	0
OU2MW-35S**	5.0 - 15.0	9	16	0	9	17	14	0	17
OU2MW-35I**	25.0 - 30.0	9	12	0	9	678	233	0	678
OU2MW-35I2**	45.0 - 50.0	0	0	0	0	0	0	0	0
OU2MW-35D**	57.0 - 62.0	0	0	0	0	0	0	0	0
OU2MW-36S**	5.0 - 15.0	0	0	0	0	0	0	0	0
OU2MW-36I**	25.0 - 30.0	55	42	0	42	288	128	0	288
OU2MW-36I2**	45.0 - 50.0	0	0	0	0	0	0	0	0
OU2MW-36D**	61.0 - 66.0	0	0	0	0	0	0	0	0
OU2MW-37S**	5.0 - 15.0	0	9	18	0	9	3	0	18
OU2MW-37I**	25.0 - 30.0	373	411	2,623	87	411	290	87	2,623
OU2MW-37I2**	45.0 - 50.0	0	4	0	0	4	1	0	4
OU2MW-37D**	67.0 - 72.0	0	0	0	0	0	0	0	0
OU2MW-38S	5.0 - 15.0	23	0	0	0	23	8	0	23
OU2MW-38I	25.0 - 30.0	122	204	240	122	4,001	1,442	122	4,001
OU2MW-38I2	46.0 - 51.0	0	0	0	0	0	0	0	0
OU2MW-38D	56.0 - 61.0	0	0	0	0	0	0	0	0
OU2MW-39S**	5.0 - 15.0	0	2	0	0	2	1	0	2
OU2MW-39I**	25.0 - 30.0	0	5	0	0	5	2	0	5
OU2MW-39I2**	45.0 - 50.0	0	1	3	0	1	1	0	3
OU2MW-39D**	70.0 - 75.0	0	0	0	0	0	0	0	0
OU2MW-40S	5.0 - 15.0	0	0	0	0	0	0	0	0
OU2MW-40I	18.0 - 23.0	270	168	24	61	270	173	24	270
OU2MW-41S	5.0 - 15.0	8	0	0	0	92	25	0	92
OU2MW-41I	18.0 - 23.0	1,433	585	526	585	1,625	1,286	526	1,625
OU2MW-42S**	5.0 - 15.0	--	22	11	22	22	22	11	22
OU2MW-42I**	25.0 - 30.0	--	4	86	4	4	4	4	86
OU2MW-42I2**	45.0 - 50.0	--	0	0	0	0	0	0	0
OU2MW-42D**	60.0 - 65.0	--	0	100	0	0	0	0	100
OU2MW-45S**	5.0 - 15.0	60	15	27	15	108	61	15	108
OU2MW-45I**	20.0 - 25.0	10	20	1	3	20	11	1	20
OU2MW-45I2**	40.0 - 45.0	0	0	0	0	0	0	0	0
OU2MW-45D**	55.0 - 60.0	0	0	0	0	0	0	0	0
OU2MW-46S**	5.0 - 15.0	422	21	0	21	422	288	0	422
OU2MW-46I**	20.0 - 25.0	1,991	37	0	37	1,991	1,309	0	1,991
OU2MW-46I2**	40.0 - 45.0	375	185	0	2	375	187	0	375
OU2MW-47S**	5.0 - 15.0	146	0	0	0	148	98	0	148
OU2MW-47I**	20.0 - 25.0	2,714	40	0	40	2,714	1,264	0	2,714
OU2MW-47I2**	40.0 - 45.0	159	7	173	7	297	154	7	297
OU2MW-47D**	60.0 - 65.0	569	695	258	472	695	579	258	695

Table 3-8
 Summary of Historic Total PAH Groundwater Analytical Results - Upgradient of Montauk Highway Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Total PAH Groundwater Concentrations (ug/L)									
		Sampling Date									
		1992	1999		2002				2003		
		Sept	Sept	Oct/Nov	Jan/Feb	Apr/May	June/July	Nov/Dec	Feb-Apr	Jul/Aug	Sept/Oct
BBMW-01S**	5.0 - 15.0	--	--	2,055	--	3,420	--	2,823	600	1,102	1,730
BBMW-01I**	32.0 - 42.0	--	--	66	--	9,720	--	10,616	5,600	6,398	8,514
BBMW-01D**	68.5 - 78.5	--	--	1,605	--	4,566	--	--	--	4,871	4,543
BBMW-02S	5.0 - 15.0	--	--	2	--	0	--	--	--	--	--
BBMW-02I	30.0 - 40.0	--	--	0	--	0	--	--	--	--	--
BBMW-02D	73.0 - 83.0	--	--	2	--	0	--	--	--	--	--
BBMW-15S	5.0 - 15.0	--	--	0	--	0	--	0	0	--	--
BBMW-15I	23.0 - 28.0	--	--	30	--	0	--	0	0	--	--
BBMW-15I2	35.0 - 45.0	--	--	3	--	0	--	0	0	--	--
BBMW-15D	70.0 - 80.0	--	--	0	--	0	--	--	--	--	--
BBMW-16S	5.0 - 15.0	--	--	0	--	--	--	--	--	--	--
BBMW-16I	35.0 - 45.0	--	--	0	--	--	--	--	--	--	--
BBMW-16D	68.0 - 78.0	--	--	0	--	--	--	--	--	--	--
BBMW-23S**	5.0 - 15.0	--	--	--	--	--	2,397	2,681	1,400	2,319	2,383
BBMW-23I**	33.0 - 43.0	--	--	--	--	--	0	--	178	0	61
BBMW-23D**	49.5 - 59.5	--	--	--	--	--	741	802	910	1,203	1,562
BBMW-23D2**	63.0 - 73.0	--	--	--	--	--	36	--	0	120	0
BBMW-24S	4.0 - 14.0	--	--	--	--	11	--	0	0	0	908
BBMW-24I	32.0 - 42.0	--	--	--	--	6,632	--	11,246	6,000	6,400	4,815
BBMW-24D	59.5 - 69.5	--	--	--	--	7,412	--	--	6,000	5,800	8,110
GM-03S	6.78 - 21.78	196	6	6	4	37	--	--	510	--	--
GM-03I	30.03 - 45.03	350	0	21	12	273	--	--	149	--	--
GM-03D	53.18 - 68.18	661	1,238	0	1	1	--	--	31	--	--
MW-16AS	3.0 - 13.0	--	--	0	--	0	--	--	--	--	--
OU2MW-08WT	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--
OU2MW-08S	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--
OU2MW-08I	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--
OU2MW-08I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--
OU2MW-08D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
OU2MW-17S	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--
OU2MW-17I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--

Table 3-8
 Summary of Historic Total PAH Groundwater Analytical Results - Upgradient of Montauk Highway Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Total PAH Groundwater Concentrations (ug/L)									
		Sampling Date									
		1992	1999		2002				2003		
		Sept	Sept	Oct/Nov	Jan/Feb	Apr/May	June/July	Nov/Dec	Feb-Apr	Jul/Aug	Sept/Oct
OU2MW-17I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OU2MW-17D	60.0 - 75.0	--	--	--	--	--	--	--	--	--	--
OU2MW-18I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--
OU2MW-18I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OU2MW-18D	60.0 - 70.0	--	--	--	--	--	--	--	--	--	--
OU2MW-19I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--
OU2MW-19I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OU2MW-19D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
OU2MW-20S	4.0 - 9.0	--	--	--	--	--	--	--	--	--	--
OU2MW-20I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--
OU2MW-20I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OU2MW-20D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
OU2MW-21S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-21I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--
OU2MW-21I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OU2MW-22S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-22I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-22I2	46.0 - 51.0	--	--	--	--	--	--	--	--	--	--
OU2MW-22D	67.0 - 72.0	--	--	--	--	--	--	--	--	--	--
OU2MW-23S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-23I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-23I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-23D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
OU2MW-24S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-24I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-24I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-24D	62.0 - 67.0	--	--	--	--	--	--	--	--	--	--
OU2MW-25S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-25I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-25I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--

Table 3-8
 Summary of Historic Total PAH Groundwater Analytical Results - Upgradient of Montauk Highway Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Total PAH Groundwater Concentrations (ug/L)									
		Sampling Date									
		1992	1999		2002				2003		
		Sept	Sept	Oct/Nov	Jan/Feb	Apr/May	June/July	Nov/Dec	Feb-Apr	Jul/Aug	Sept/Oct
OU2MW-25D	70.0 - 75.0	--	--	--	--	--	--	--	--	--	--
OU2MW-26S	6.0 - 11.0	--	--	--	--	--	--	--	--	--	--
OU2MW-26I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--
OU2MW-26I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OU2MW-26D	60.0 - 70.0	--	--	--	--	--	--	--	--	--	--
OU2MW-28S**	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-28I**	28.0 - 33.0	--	--	--	--	--	--	--	--	--	--
OU2MW-28I2**	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OU2MW-29I**	18.0 - 23.0	--	--	--	--	--	--	--	--	--	--
OU2MW-29I2**	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--
OU2MW-29D**	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-30S**	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-30I**	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-30I2**	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--
OU2MW-30I3**	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-30D**	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--
OU2MW-30D2**	60.0 - 65.0	--	--	--	--	--	--	--	--	--	--
OU2MW-31I**	18.0 - 23.0	--	--	--	--	--	--	--	--	--	--
OU2MW-31I2**	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--
OU2MW-32S**	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-32I**	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--
OU2MW-32I2**	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--
OU2MW-32D**	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OU2MW-33S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-33I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-33I2	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--
OU2MW-33D	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--
OU2MW-34S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-34I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-34I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-35S**	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--

Table 3-8
 Summary of Historic Total PAH Groundwater Analytical Results - Upgradient of Montauk Highway Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Total PAH Groundwater Concentrations (ug/L)									
		Sampling Date									
		1992	1999		2002				2003		
		Sept	Sept	Oct/Nov	Jan/Feb	Apr/May	June/July	Nov/Dec	Feb-Apr	Jul/Aug	Sept/Oct
OU2MW-351**	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-3512**	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-35D**	57.0 - 62.0	--	--	--	--	--	--	--	--	--	--
OU2MW-36S**	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-361**	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-3612**	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-36D**	61.0 - 66.0	--	--	--	--	--	--	--	--	--	--
OU2MW-37S**	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-371**	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-3712**	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-37D**	67.0 - 72.0	--	--	--	--	--	--	--	--	--	--
OU2MW-38S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-38I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-38I2	46.0 - 51.0	--	--	--	--	--	--	--	--	--	--
OU2MW-38D	56.0 - 61.0	--	--	--	--	--	--	--	--	--	--
OU2MW-39S**	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-39I**	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-39I2**	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-39D**	70.0 - 75.0	--	--	--	--	--	--	--	--	--	--
OU2MW-40S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--

Table 3-8
 Summary of Historic Total PAH Groundwater Analytical Results - Upgradient of Montauk Highway Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Total PAH Groundwater Concentrations (ug/L)									
		Sampling Date									
		1992	1999		2002				2003		
		Sept	Sept	Oct/Nov	Jan/Feb	Apr/May	June/July	Nov/Dec	Feb-Apr	Jul/Aug	Sept/Oct
OU2MW-40I	18.0 - 23.0	--	--	--	--	--	--	--	--	--	--
OU2MW-41S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-41I	18.0 - 23.0	--	--	--	--	--	--	--	--	--	--
OU2MW-42S**	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-42I**	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-42I2**	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-42D**	60.0 - 65.0	--	--	--	--	--	--	--	--	--	--
OU2MW-45S**	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-45I**	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--
OU2MW-45I2**	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OU2MW-45D**	55.0 - 60.0	--	--	--	--	--	--	--	--	--	--
OU2MW-46S**	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-46I**	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--
OU2MW-46I2**	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OU2MW-47S**	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-47I**	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--
OU2MW-47I2**	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OU2MW-47D**	60.0 - 65.0	--	--	--	--	--	--	--	--	--	--

Table 3-8
 Summary of Historic Total PAH Groundwater Analytical Results - Upgradient of Montauk Highway Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Total PAH Groundwater Concentrations (ug/L)									
		Sampling Date									
		2004				2005				2006	
		Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	June	August	Nov/Dec	March	June
BBMW-01S**	5.0 - 15.0	2,077	1,394	869	1,565	2,067	1,333	1,034	2,425	1,043	0
BBMW-01I**	32.0 - 42.0	7,772	7,709	4,679	9,754	9,659	7,734	10,674	8,276	3,679	6,746
BBMW-01D**	68.5 - 78.5	1,460	1,800	1,359	429	821	2,832	50	251	349	863
BBMW-02S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
BBMW-02I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--
BBMW-02D	73.0 - 83.0	--	--	--	--	--	--	--	--	--	--
BBMW-15S	5.0 - 15.0	0	--	--	--	0	0	--	--	0	0
BBMW-15I	23.0 - 28.0	0	--	--	--	0	--	--	--	--	--
BBMW-15I2	35.0 - 45.0	0	--	--	--	0	--	--	--	--	--
BBMW-15D	70.0 - 80.0	--	--	--	--	--	--	--	--	--	--
BBMW-16S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
BBMW-16I	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
BBMW-16D	68.0 - 78.0	--	--	--	--	--	--	--	--	--	--
BBMW-23S**	5.0 - 15.0	1,288	1,733	2,220	599	921	1,830	994	890	1,410	959
BBMW-23I**	33.0 - 43.0	0	0	0	0	--	13	33	--	146	88
BBMW-23D**	49.5 - 59.5	468	400	1,081	931	1,493	1,665	2,161	--	2,459	2,391
BBMW-23D2**	63.0 - 73.0	0	--	0	--	0	--	--	--	0	--
BBMW-24S	4.0 - 14.0	0	120	0	0	0	10	0	--	0	0
BBMW-24I	32.0 - 42.0	4,782	5,284	7,679	8,053	6,062	4,694	5,392	--	--	5,772
BBMW-24D	59.5 - 69.5	3,194	1,070	360	392	3,232	5,652	5,372	--	--	3,037
GM-03S	6.78 - 21.78	100	--	--	182	12	--	183	110	0	250
GM-03I	30.03 - 45.03	898	--	--	--	67	--	429	--	1,330	0
GM-03D	53.18 - 68.18	0	--	0	--	0	--	0	--	--	--
MW-16AS	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--
OU2MW-08WT	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--
OU2MW-08S	20.0 - 25.0	--	--	--	--	--	--	2,204	--	9,968	7,000
OU2MW-08I	35.0 - 40.0	--	--	--	--	--	--	3,453	--	4,983	4,020
OU2MW-08I2	50.0 - 55.0	--	--	--	--	--	--	1,364	--	1,666	2,664
OU2MW-08D	65.0 - 70.0	--	--	--	--	--	--	0	--	0	0
OU2MW-17S	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--
OU2MW-17I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--

Table 3-8
 Summary of Historic Total PAH Groundwater Analytical Results - Upgradient of Montauk Highway Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Total PAH Groundwater Concentrations (ug/L)									
		Sampling Date									
		2004				2005				2006	
		Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	June	August	Nov/Dec	March	June
OU2MW-17I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OU2MW-17D	60.0 - 75.0	--	--	--	--	--	--	--	--	--	--
OU2MW-18I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--
OU2MW-18I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OU2MW-18D	60.0 - 70.0	--	--	--	--	--	--	--	--	--	--
OU2MW-19I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--
OU2MW-19I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OU2MW-19D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
OU2MW-20S	4.0 - 9.0	--	--	--	--	--	--	--	--	--	--
OU2MW-20I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--
OU2MW-20I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OU2MW-20D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
OU2MW-21S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-21I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--
OU2MW-21I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OU2MW-22S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-22I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-22I2	46.0 - 51.0	--	--	--	--	--	--	--	--	--	--
OU2MW-22D	67.0 - 72.0	--	--	--	--	--	--	--	--	--	--
OU2MW-23S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-23I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-23I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-23D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
OU2MW-24S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-24I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-24I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-24D	62.0 - 67.0	--	--	--	--	--	--	--	--	--	--
OU2MW-25S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-25I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-25I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--

Table 3-8
 Summary of Historic Total PAH Groundwater Analytical Results - Upgradient of Montauk Highway Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Total PAH Groundwater Concentrations (ug/L)									
		Sampling Date									
		2004				2005				2006	
		Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	June	August	Nov/Dec	March	June
OU2MW-25D	70.0 - 75.0	--	--	--	--	--	--	--	--	--	--
OU2MW-26S	6.0 - 11.0	--	--	--	--	--	--	--	--	--	--
OU2MW-26I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--
OU2MW-26I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OU2MW-26D	60.0 - 70.0	--	--	--	--	--	--	--	--	--	--
OU2MW-28S**	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-28I**	28.0 - 33.0	--	--	--	--	--	--	--	--	--	--
OU2MW-28I2**	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OU2MW-29I**	18.0 - 23.0	--	--	--	--	--	--	--	--	--	--
OU2MW-29I2**	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--
OU2MW-29D**	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-30S**	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-30I**	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-30I2**	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--
OU2MW-30I3**	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-30D**	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--
OU2MW-30D2**	60.0 - 65.0	--	--	--	--	--	--	--	--	--	--
OU2MW-31I**	18.0 - 23.0	--	--	--	--	--	--	--	--	--	--
OU2MW-31I2**	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--
OU2MW-32S**	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-32I**	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--
OU2MW-32I2**	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--
OU2MW-32D**	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OU2MW-33S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-33I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-33I2	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--
OU2MW-33D	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--
OU2MW-34S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-34I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-34I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-35S**	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--

Table 3-8
 Summary of Historic Total PAH Groundwater Analytical Results - Upgradient of Montauk Highway Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Total PAH Groundwater Concentrations (ug/L)									
		Sampling Date									
		2004				2005				2006	
		Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	June	August	Nov/Dec	March	June
OU2MW-351**	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-3512**	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-35D**	57.0 - 62.0	--	--	--	--	--	--	--	--	--	--
OU2MW-36S**	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-361**	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-3612**	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-36D**	61.0 - 66.0	--	--	--	--	--	--	--	--	--	--
OU2MW-37S**	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-371**	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-3712**	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-37D**	67.0 - 72.0	--	--	--	--	--	--	--	--	--	--
OU2MW-38S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-38I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-38I2	46.0 - 51.0	--	--	--	--	--	--	--	--	--	--
OU2MW-38D	56.0 - 61.0	--	--	--	--	--	--	--	--	--	--
OU2MW-39S**	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-39I**	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-39I2**	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-39D**	70.0 - 75.0	--	--	--	--	--	--	--	--	--	--
OU2MW-40S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--

Table 3-8
 Summary of Historic Total PAH Groundwater Analytical Results - Upgradient of Montauk Highway Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Total PAH Groundwater Concentrations (ug/L)									
		Sampling Date									
		2004				2005				2006	
		Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	June	August	Nov/Dec	March	June
OU2MW-40I	18.0 - 23.0	--	--	--	--	--	--	--	--	--	--
OU2MW-41S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-41I	18.0 - 23.0	--	--	--	--	--	--	--	--	--	--
OU2MW-42S**	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-42I**	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-42I2**	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-42D**	60.0 - 65.0	--	--	--	--	--	--	--	--	--	--
OU2MW-45S**	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-45I**	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--
OU2MW-45I2**	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OU2MW-45D**	55.0 - 60.0	--	--	--	--	--	--	--	--	--	--
OU2MW-46S**	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-46I**	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--
OU2MW-46I2**	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OU2MW-47S**	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-47I**	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--
OU2MW-47I2**	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OU2MW-47D**	60.0 - 65.0	--	--	--	--	--	--	--	--	--	--

Table 3-8
 Summary of Historic Total PAH Groundwater Analytical Results - Upgradient of Montauk Highway Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Total PAH Groundwater Concentrations (ug/L)									
		Sampling Date									
		2006		2007				2008			
		Jul/Aug	Nov/Dec	March	May-July	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	July-Sep	Oct-Dec
BBMW-01S**	5.0 - 15.0	956	2,158	659	4,347	3,927	3,929	1,432	1,640	1,991	142
BBMW-01I**	32.0 - 42.0	7,141	10,165	5,812	7,721	8,946	8,071	10,403	6,532	8,764	5,806
BBMW-01D**	68.5 - 78.5	2,250	425	195	2,090	1,248	50	55	183	274	13
BBMW-02S	5.0 - 15.0	--	--	0	0	0	1	0	0	0	0
BBMW-02I	30.0 - 40.0	--	--	0	0	0	0	0	0	0	0
BBMW-02D	73.0 - 83.0	--	--	0	0	0	0	0	0	0	0
BBMW-15S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0
BBMW-15I	23.0 - 28.0	0	--	0	0	0	0	0	0	0	0
BBMW-15I2	35.0 - 45.0	0	--	0	0	0	0	0	0	0	77
BBMW-15D	70.0 - 80.0	--	--	0	0	0	2	0	0	0	0
BBMW-16S	5.0 - 15.0	--	--	0	0	0	2	0	0	0	0
BBMW-16I	35.0 - 45.0	--	--	0	0	0	0	2	0	0	0
BBMW-16D	68.0 - 78.0	--	--	0	0	0	0	0	23	0	0
BBMW-23S**	5.0 - 15.0	759	2,521	1,741	2,519	1,785	2,703	2,569	2,169	1,838	1,340
BBMW-23I**	33.0 - 43.0	65	59	199	2,207	2,559	31	16	14	23	0
BBMW-23D**	49.5 - 59.5	2,994	2,353	2,591	6,619	5,835	5,620	3,118	188	95	0
BBMW-23D2**	63.0 - 73.0	--	--	0	0	1	0	2	50	0	0
BBMW-24S	4.0 - 14.0	0	0	0	0	0	0	0	0	120	0
BBMW-24I	32.0 - 42.0	--	2,115	184	434	1,863	103	85	87	0	0
BBMW-24D	59.5 - 69.5	--	4,055	3,852	0	1	0	0	160	2	113
GM-03S	6.78 - 21.78	245	72	235	21	8	8	0	0	47	--
GM-03I	30.03 - 45.03	0	0	0	275	611	44	2	106	13	--
GM-03D	53.18 - 68.18	--	--	0	0	4	0	48	0	0	--
MW-16AS	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--
OU2MW-08WT	3.0 - 8.0	--	--	--	0	7	0	20	--	0	62
OU2MW-08S	20.0 - 25.0	4,974	8,445	5,763	9,121	8,025	13,563	6,542	6,504	7,369	6,698
OU2MW-08I	35.0 - 40.0	2,328	3,013	507	2,354	799	2,954	2,264	4,805	12,258	8,486
OU2MW-08I2	50.0 - 55.0	1,347	1,961	1,454	1,429	262	3,501	1,646	2,120	3,037	2,954
OU2MW-08D	65.0 - 70.0	0	0	0	111	0	3,892	0	0	9	0
OU2MW-17S	5.0 - 10.0	--	--	--	--	--	--	--	0	2	0
OU2MW-17I	13.0 - 23.0	--	--	--	--	--	--	--	25	2	0

Table 3-8
 Summary of Historic Total PAH Groundwater Analytical Results - Upgradient of Montauk Highway Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Total PAH Groundwater Concentrations (ug/L)									
		Sampling Date									
		2006		2007				2008			
		Jul/Aug	Nov/Dec	March	May-July	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	July-Sep	Oct-Dec
OU2MW-17I2	35.0 - 45.0	--	--	--	--	--	--	--	0	1	0
OU2MW-17D	60.0 - 75.0	--	--	--	--	--	--	--	0	0	0
OU2MW-18I	13.0 - 23.0	--	--	--	--	--	--	--	2,957	3,489	5,188
OU2MW-18I2	35.0 - 45.0	--	--	--	--	--	--	--	0	0	0
OU2MW-18D	60.0 - 70.0	--	--	--	--	--	--	--	0	0	0
OU2MW-19I	13.0 - 23.0	--	--	--	--	--	--	--	1,043	1,459	357
OU2MW-19I2	35.0 - 45.0	--	--	--	--	--	--	--	6,212	7,648	6,239
OU2MW-19D	65.0 - 70.0	--	--	--	--	--	--	--	--	801	3,718
OU2MW-20S	4.0 - 9.0	--	--	--	--	--	--	--	0	0	0
OU2MW-20I	13.0 - 23.0	--	--	--	--	--	--	--	101	91	0
OU2MW-20I2	35.0 - 45.0	--	--	--	--	--	--	--	4	0	0
OU2MW-20D	65.0 - 70.0	--	--	--	--	--	--	--	--	2	0
OU2MW-21S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	424
OU2MW-21I	13.0 - 23.0	--	--	--	--	--	--	--	5,417	4,165	297
OU2MW-21I2	35.0 - 45.0	--	--	--	--	--	--	--	3,922	3,985	3,134
OU2MW-22S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	0
OU2MW-22I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	181
OU2MW-22I2	46.0 - 51.0	--	--	--	--	--	--	--	--	--	0
OU2MW-22D	67.0 - 72.0	--	--	--	--	--	--	--	--	--	0
OU2MW-23S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	0
OU2MW-23I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	429
OU2MW-23I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	0
OU2MW-23D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	0
OU2MW-24S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	0
OU2MW-24I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	6,015
OU2MW-24I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	4
OU2MW-24D	62.0 - 67.0	--	--	--	--	--	--	--	--	--	0
OU2MW-25S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	0
OU2MW-25I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	149
OU2MW-25I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	0

Table 3-8
 Summary of Historic Total PAH Groundwater Analytical Results - Upgradient of Montauk Highway Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Total PAH Groundwater Concentrations (ug/L)									
		Sampling Date									
		2006		2007				2008			
		Jul/Aug	Nov/Dec	March	May-July	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	July-Sep	Oct-Dec
OU2MW-25D	70.0 - 75.0	--	--	--	--	--	--	--	--	--	0
OU2MW-26S	6.0 - 11.0	--	--	--	--	--	--	--	0	5	0
OU2MW-26I	13.0 - 23.0	--	--	--	--	--	--	--	102	154	235
OU2MW-26I2	35.0 - 45.0	--	--	--	--	--	--	--	54	965	3,990
OU2MW-26D	60.0 - 70.0	--	--	--	--	--	--	--	623	149	1,369
OU2MW-28S**	5.0 - 15.0	--	--	--	--	--	--	--	--	0	0
OU2MW-28I**	28.0 - 33.0	--	--	--	--	--	--	--	--	283	132
OU2MW-28I2**	40.0 - 45.0	--	--	--	--	--	--	--	--	12	16
OU2MW-29I**	18.0 - 23.0	--	--	--	--	--	--	--	--	863	1,083
OU2MW-29I2**	30.0 - 35.0	--	--	--	--	--	--	--	--	3,642	6,159
OU2MW-29D**	45.0 - 50.0	--	--	--	--	--	--	--	--	2,656	2,474
OU2MW-30S**	5.0 - 15.0	--	--	--	--	--	--	--	--	2	1,990
OU2MW-30I**	25.0 - 30.0	--	--	--	--	--	--	--	--	5,560	7,304
OU2MW-30I2**	30.0 - 35.0	--	--	--	--	--	--	--	--	6,605	5,671
OU2MW-30I3**	45.0 - 50.0	--	--	--	--	--	--	--	--	93	5,101
OU2MW-30D**	50.0 - 55.0	--	--	--	--	--	--	--	--	1,087	5,989
OU2MW-30D2**	60.0 - 65.0	--	--	--	--	--	--	--	--	2,638	4,689
OU2MW-31I**	18.0 - 23.0	--	--	--	--	--	--	--	--	212	488
OU2MW-31I2**	30.0 - 35.0	--	--	--	--	--	--	--	--	1	6
OU2MW-32S**	5.0 - 15.0	--	--	--	--	--	--	--	--	0	0
OU2MW-32I**	20.0 - 25.0	--	--	--	--	--	--	--	--	4,029	3,970
OU2MW-32I2**	30.0 - 35.0	--	--	--	--	--	--	--	--	5,230	3,459
OU2MW-32D**	40.0 - 45.0	--	--	--	--	--	--	--	--	29	1,336
OU2MW-33S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-33I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-33I2	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--
OU2MW-33D	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--
OU2MW-34S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-34I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-34I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-35S**	5.0 - 15.0	--	--	--	--	--	--	--	--	--	3

Table 3-8
 Summary of Historic Total PAH Groundwater Analytical Results - Upgradient of Montauk Highway Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Total PAH Groundwater Concentrations (ug/L)									
		Sampling Date									
		2006		2007				2008			
		Jul/Aug	Nov/Dec	March	May-July	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	July-Sep	Oct-Dec
OU2MW-351**	25.0 - 30.0	--	--	--	--	--	--	--	--	--	2,270
OU2MW-3512**	45.0 - 50.0	--	--	--	--	--	--	--	--	--	0
OU2MW-35D**	57.0 - 62.0	--	--	--	--	--	--	--	--	--	4
OU2MW-36S**	5.0 - 15.0	--	--	--	--	--	--	--	--	--	0
OU2MW-361**	25.0 - 30.0	--	--	--	--	--	--	--	--	--	1,302
OU2MW-3612**	45.0 - 50.0	--	--	--	--	--	--	--	--	--	0
OU2MW-36D**	61.0 - 66.0	--	--	--	--	--	--	--	--	--	0
OU2MW-37S**	5.0 - 15.0	--	--	--	--	--	--	--	--	--	0
OU2MW-371**	25.0 - 30.0	--	--	--	--	--	--	--	--	--	43
OU2MW-3712**	45.0 - 50.0	--	--	--	--	--	--	--	--	--	0
OU2MW-37D**	67.0 - 72.0	--	--	--	--	--	--	--	--	--	0
OU2MW-38S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	0
OU2MW-38I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	2,992
OU2MW-38I2	46.0 - 51.0	--	--	--	--	--	--	--	--	--	0
OU2MW-38D	56.0 - 61.0	--	--	--	--	--	--	--	--	--	0
OU2MW-39S**	5.0 - 15.0	--	--	--	--	--	--	--	--	--	0
OU2MW-39I**	25.0 - 30.0	--	--	--	--	--	--	--	--	--	32
OU2MW-39I2**	45.0 - 50.0	--	--	--	--	--	--	--	--	--	1
OU2MW-39D**	70.0 - 75.0	--	--	--	--	--	--	--	--	--	0
OU2MW-40S	5.0 - 15.0	--	--	--	--	--	--	--	--	0	0

Table 3-8
 Summary of Historic Total PAH Groundwater Analytical Results - Upgradient of Montauk Highway Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Total PAH Groundwater Concentrations (ug/L)									
		Sampling Date									
		2006		2007				2008			
		Jul/Aug	Nov/Dec	March	May-July	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	July-Sep	Oct-Dec
OU2MW-40I	18.0 - 23.0	--	--	--	--	--	--	--	--	165	122
OU2MW-41S	5.0 - 15.0	--	--	--	--	--	--	--	--	0	143
OU2MW-41I	18.0 - 23.0	--	--	--	--	--	--	--	--	2,370	3,785
OU2MW-42S**	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-42I**	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-42I2**	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-42D**	60.0 - 65.0	--	--	--	--	--	--	--	--	--	--
OU2MW-45S**	5.0 - 15.0	--	--	--	--	--	--	--	--	--	3
OU2MW-45I**	20.0 - 25.0	--	--	--	--	--	--	--	--	--	30
OU2MW-45I2**	40.0 - 45.0	--	--	--	--	--	--	--	--	--	39
OU2MW-45D**	55.0 - 60.0	--	--	--	--	--	--	--	--	--	0
OU2MW-46S**	5.0 - 15.0	--	--	--	--	--	--	--	--	--	0
OU2MW-46I**	20.0 - 25.0	--	--	--	--	--	--	--	--	--	2,503
OU2MW-46I2**	40.0 - 45.0	--	--	--	--	--	--	--	--	--	0
OU2MW-47S**	5.0 - 15.0	--	--	--	--	--	--	--	--	--	56
OU2MW-47I**	20.0 - 25.0	--	--	--	--	--	--	--	--	--	785
OU2MW-47I2**	40.0 - 45.0	--	--	--	--	--	--	--	--	--	6,146
OU2MW-47D**	60.0 - 65.0	--	--	--	--	--	--	--	--	--	7,437

Table 3-8
 Summary of Historic Total PAH Groundwater Analytical Results - Upgradient of Montauk Highway Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Total PAH Groundwater Concentrations (ug/L)							
		Sampling Date			Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2009							
		Jan-Mar	Apr-Jun	July-Sep					
BBMW-01S**	5.0 - 15.0	359	119	0	0	4,347	1,686	0	4,347
BBMW-01I**	32.0 - 42.0	3,303	10,202	5,703	66	10,674	7,517	66	10,674
BBMW-01D**	68.5 - 78.5	68	92	141	13	4,871	1,259	13	4,871
BBMW-02S	5.0 - 15.0	0	0	0	0	2	0	0	2
BBMW-02I	30.0 - 40.0	0	0	0	0	0	0	0	0
BBMW-02D	73.0 - 83.0	0	0	0	0	2	0	0	2
BBMW-15S	5.0 - 15.0	0	0	0	0	0	0	0	0
BBMW-15I	23.0 - 28.0	48	0	0	0	48	5	0	48
BBMW-15I2	35.0 - 45.0	0	0	0	0	77	5	0	77
BBMW-15D	70.0 - 80.0	0	0	0	0	2	0	0	2
BBMW-16S	5.0 - 15.0	0	0	0	0	2	0	0	2
BBMW-16I	35.0 - 45.0	0	0	0	0	2	0	0	2
BBMW-16D	68.0 - 78.0	0	0	0	0	23	2	0	23
BBMW-23S**	5.0 - 15.0	1,673	2,456	3,162	599	2,703	1,781	599	3,162
BBMW-23I**	33.0 - 43.0	12	2	0	0	2,559	238	0	2,559
BBMW-23D**	49.5 - 59.5	0	31	1	0	6,619	1,835	0	6,619
BBMW-23D2**	63.0 - 73.0	0	0	0	0	120	12	0	120
BBMW-24S	4.0 - 14.0	0	0	0	0	908	45	0	908
BBMW-24I	32.0 - 42.0	0	1,027	0	0	11,246	3,696	0	11,246
BBMW-24D	59.5 - 69.5	233	13	53	0	8,110	2,524	0	8,110
GM-03S	6.78 - 21.78	--	--	--	0	510	101	0	510
GM-03I	30.03 - 45.03	--	--	--	0	1,330	229	0	1,330
GM-03D	53.18 - 68.18	--	--	--	0	1,238	117	0	1,238
MW-16AS	3.0 - 13.0	--	--	--	0	0	0	0	0
OU2MW-08WT	3.0 - 8.0	0	0	0	0	62	11	0	62
OU2MW-08S	20.0 - 25.0	4,426	4,661	4,301	2,204	13,563	7,018	2,204	13,563
OU2MW-08I	35.0 - 40.0	4,781	7,615	2,887	507	12,258	4,308	507	12,258
OU2MW-08I2	50.0 - 55.0	906	0	70	0	3,501	1,754	0	3,501
OU2MW-08D	65.0 - 70.0	0	0	0	0	3,892	267	0	3,892
OU2MW-17S	5.0 - 10.0	0	0	0	0	2	0	0	2
OU2MW-17I	13.0 - 23.0	0	24	6	0	25	10	0	25

Table 3-8
 Summary of Historic Total PAH Groundwater Analytical Results - Upgradient of Montauk Highway Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Total PAH Groundwater Concentrations (ug/L)							
		Sampling Date			Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2009							
		Jan-Mar	Apr-Jun	July-Sep					
OU2MW-17I2	35.0 - 45.0	0	0	0	0	1	0	0	1
OU2MW-17D	60.0 - 75.0	0	0	0	0	0	0	0	0
OU2MW-18I	13.0 - 23.0	4,932	5,201	4,006	2,957	5,201	4,353	2,957	5,201
OU2MW-18I2	35.0 - 45.0	0	0	0	0	0	0	0	0
OU2MW-18D	60.0 - 70.0	0	0	0	0	0	0	0	0
OU2MW-19I	13.0 - 23.0	175	92	146	92	1,459	625	92	1,459
OU2MW-19I2	35.0 - 45.0	7,147	6,811	3,337	6,212	7,648	6,811	3,337	7,648
OU2MW-19D	65.0 - 70.0	1,862	2,841	3,601	801	3,718	2,306	801	3,718
OU2MW-20S	4.0 - 9.0	0	0	0	0	0	0	0	0
OU2MW-20I	13.0 - 23.0	74	0	0	0	101	53	0	101
OU2MW-20I2	35.0 - 45.0	0	0	0	0	4	1	0	4
OU2MW-20D	65.0 - 70.0	0	0	0	0	2	1	0	2
OU2MW-21S	5.0 - 15.0	341	9	4	9	424	258	4	424
OU2MW-21I	13.0 - 23.0	1,948	24	86	24	5,417	2,370	24	5,417
OU2MW-21I2	35.0 - 45.0	3,902	1,244	110	1,244	3,985	3,237	110	3,985
OU2MW-22S	5.0 - 15.0	0	0	0	0	0	0	0	0
OU2MW-22I	25.0 - 30.0	32	0	23	0	181	71	0	181
OU2MW-22I2	46.0 - 51.0	0	0	0	0	0	0	0	0
OU2MW-22D	67.0 - 72.0	0	0	0	0	0	0	0	0
OU2MW-23S	5.0 - 15.0	0	0	0	0	0	0	0	0
OU2MW-23I	25.0 - 30.0	178	63	323	63	429	223	63	429
OU2MW-23I2	45.0 - 50.0	0	0	0	0	0	0	0	0
OU2MW-23D	65.0 - 70.0	0	0	0	0	0	0	0	0
OU2MW-24S	5.0 - 15.0	0	0	3	0	0	0	0	3
OU2MW-24I	25.0 - 30.0	5,796	1,068	493	1,068	6,015	4,293	493	6,015
OU2MW-24I2	45.0 - 50.0	0	0	0	0	4	1	0	4
OU2MW-24D	62.0 - 67.0	0	0	0	0	0	0	0	0
OU2MW-25S	5.0 - 15.0	0	0	0	0	0	0	0	0
OU2MW-25I	25.0 - 30.0	121	133	72	121	149	134	72	149
OU2MW-25I2	45.0 - 50.0	0	0	0	0	0	0	0	0

Table 3-8
 Summary of Historic Total PAH Groundwater Analytical Results - Upgradient of Montauk Highway Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Total PAH Groundwater Concentrations (ug/L)							
		Sampling Date			Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2009							
		Jan-Mar	Apr-Jun	July-Sep					
OU2MW-25D	70.0 - 75.0	0	0	0	0	0	0	0	0
OU2MW-26S	6.0 - 11.0	0	0	0	0	5	1	0	5
OU2MW-26I	13.0 - 23.0	277	0	3	0	277	154	0	277
OU2MW-26I2	35.0 - 45.0	2,576	26	14	26	3,990	1,522	14	3,990
OU2MW-26D	60.0 - 70.0	1,742	3,482	4,328	149	3,482	1,473	149	4,328
OU2MW-28S**	5.0 - 15.0	0	1	0	0	1	0	0	1
OU2MW-28I**	28.0 - 33.0	121	0	11	0	283	134	0	283
OU2MW-28I2**	40.0 - 45.0	15	0	1,712	0	16	11	0	1,712
OU2MW-29I**	18.0 - 23.0	700	513	38	513	1,083	790	38	1,083
OU2MW-29I2**	30.0 - 35.0	2,778	6,117	274	2,778	6,159	4,674	274	6,159
OU2MW-29D**	45.0 - 50.0	314	2,842	2,937	314	2,842	2,072	314	2,937
OU2MW-30S**	5.0 - 15.0	10	0	0	0	1,990	501	0	1,990
OU2MW-30I**	25.0 - 30.0	5,175	2,186	33	2,186	7,304	5,056	33	7,304
OU2MW-30I2**	30.0 - 35.0	6,025	4,696	195	4,696	6,605	5,749	195	6,605
OU2MW-30I3**	45.0 - 50.0	5,562	5,586	94	93	5,586	4,086	93	5,586
OU2MW-30D**	50.0 - 55.0	1,652	4,681	84	1,087	5,989	3,352	84	5,989
OU2MW-30D2**	60.0 - 65.0	4,735	2,274	15	2,274	4,735	3,584	15	4,735
OU2MW-31I**	18.0 - 23.0	79	137	4	79	488	229	4	488
OU2MW-31I2**	30.0 - 35.0	0	841	21	0	841	212	0	841
OU2MW-32S**	5.0 - 15.0	63	0	0	0	63	16	0	63
OU2MW-32I**	20.0 - 25.0	2,818	7,796	4,621	2,818	7,796	4,653	2,818	7,796
OU2MW-32I2**	30.0 - 35.0	1,164	408	94	408	5,230	2,565	94	5,230
OU2MW-32D**	40.0 - 45.0	189	32	10	29	1,336	397	10	1,336
OU2MW-33S	5.0 - 15.0	0	0	0	0	0	0	0	0
OU2MW-33I	25.0 - 30.0	565	158	39	158	565	362	39	565
OU2MW-33I2	35.0 - 40.0	104	14	4	14	104	59	4	104
OU2MW-33D	50.0 - 55.0	0	0	0	0	0	0	0	0
OU2MW-34S	5.0 - 15.0	0	0	0	0	0	0	0	0
OU2MW-34I	25.0 - 30.0	257	333	153	257	333	295	153	333
OU2MW-34I2	45.0 - 50.0	3	0	0	0	3	2	0	3
OU2MW-35S**	5.0 - 15.0	0	0	0	0	3	1	0	3

Table 3-8
 Summary of Historic Total PAH Groundwater Analytical Results - Upgradient of Montauk Highway Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Total PAH Groundwater Concentrations (ug/L)							
		Sampling Date			Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2009							
		Jan-Mar	Apr-Jun	July-Sep					
OU2MW-35I**	25.0 - 30.0	250	8	0	8	2,270	843	0	2,270
OU2MW-35I2**	45.0 - 50.0	0	0	0	0	0	0	0	0
OU2MW-35D**	57.0 - 62.0	0	0	0	0	4	1	0	4
OU2MW-36S**	5.0 - 15.0	0	0	0	0	0	0	0	0
OU2MW-36I**	25.0 - 30.0	573	325	0	325	1,302	733	0	1,302
OU2MW-36I2**	45.0 - 50.0	0	0	0	0	0	0	0	0
OU2MW-36D**	61.0 - 66.0	1	0	0	0	1	0	0	1
OU2MW-37S**	5.0 - 15.0	0	3	0	0	3	1	0	3
OU2MW-37I**	25.0 - 30.0	38	216	23	38	216	99	23	216
OU2MW-37I2**	45.0 - 50.0	0	3	0	0	3	1	0	3
OU2MW-37D**	67.0 - 72.0	0	0	0	0	0	0	0	0
OU2MW-38S	5.0 - 15.0	0	0	0	0	0	0	0	0
OU2MW-38I	25.0 - 30.0	2,202	206	61	206	2,992	1,800	61	2,992
OU2MW-38I2	46.0 - 51.0	0	0	0	0	0	0	0	0
OU2MW-38D	56.0 - 61.0	0	0	0	0	0	0	0	0
OU2MW-39S**	5.0 - 15.0	0	0	0	0	0	0	0	0
OU2MW-39I**	25.0 - 30.0	4	3	0	3	32	13	0	32
OU2MW-39I2**	45.0 - 50.0	0	55	130	0	55	19	0	130
OU2MW-39D**	70.0 - 75.0	0	0	0	0	0	0	0	0
OU2MW-40S	5.0 - 15.0	0	0	0	0	0	0	0	0

Table 3-8
 Summary of Historic Total PAH Groundwater Analytical Results - Upgradient of Montauk Highway Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Total PAH Groundwater Concentrations (ug/L)							
		Sampling Date			Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2009							
		Jan-Mar	Apr-Jun	July-Sep					
OU2MW-40I	18.0 - 23.0	167	71	25	71	167	131	25	167
OU2MW-41S	5.0 - 15.0	0	0	0	0	143	36	0	143
OU2MW-41I	18.0 - 23.0	4,276	1,981	540	1,981	4,276	3,103	540	4,276
OU2MW-42S**	5.0 - 15.0	--	107	0	107	107	107	0	107
OU2MW-42I**	25.0 - 30.0	--	2	0	2	2	2	0	2
OU2MW-42I2**	45.0 - 50.0	--	0	0	0	0	0	0	0
OU2MW-42D**	60.0 - 65.0	--	4	185	4	4	4	4	185
OU2MW-45S**	5.0 - 15.0	9	0	5	0	9	4	0	9
OU2MW-45I**	20.0 - 25.0	8	5	1	5	30	14	1	30
OU2MW-45I2**	40.0 - 45.0	7	0	0	0	39	15	0	39
OU2MW-45D**	55.0 - 60.0	0	0	2	0	0	0	0	2
OU2MW-46S**	5.0 - 15.0	31	0	0	0	31	10	0	31
OU2MW-46I**	20.0 - 25.0	2,169	12	0	12	2,503	1,561	0	2,503
OU2MW-46I2**	40.0 - 45.0	4	56	0	0	56	20	0	56
OU2MW-47S**	5.0 - 15.0	0	0	0	0	56	19	0	56
OU2MW-47I**	20.0 - 25.0	1,043	4	0	4	1,043	611	0	1,043
OU2MW-47I2**	40.0 - 45.0	3,627	8	31	8	6,146	3,260	8	6,146
OU2MW-47D**	60.0 - 65.0	7,007	6,751	3,906	6,751	7,437	7,065	3,906	7,437

Table 3-9
 Summary of Historic Total BTEX Groundwater Analytical Results - Downgradient of Montauk Highway Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Total BTEX Groundwater Concentrations (ug/L)								
		Sampling Date								
		1992	1999	2000	2002			2003		
		Sept	Oct/Nov	Nov/Dec	Jan/Feb	Apr/May	Nov/Dec	Feb-Apr	Jul/Aug	Sept/Oct
BBMW-03S	3.0 - 13.0	--	0	--	2	0	--	--	--	--
BBMW-03I	30.0 - 40.0	--	2	--	1	0	--	--	--	--
BBMW-03D	52.0 - 62.0	--	3	--	3	0	--	--	--	--
BBMW-07S	5.0 - 15.0	--	2	--	--	5	0	0	116	241
BBMW-07I	30.0 - 40.0	--	0	--	--	0	0	--	--	--
BBMW-07D	55.0 - 65.0	--	0	--	--	0	--	--	--	--
BBMW-25S	4.0 - 14.0	--	--	--	--	58	0	0	0	0
BBMW-25I	25.0 - 35.0	--	--	--	--	1,034	533	1,330	980	1,707
BBMW-25D	62.0 - 72.0	--	--	--	--	45	--	59	75	44
GM-05S	5.1 - 20.1	0	283	124	27	106	307	87	367	0
GM-05I	35.05 - 48.05	0	2	0	0	0	0	0	--	0
GM-05D	60.95 - 75.95	0	0	0	0	0	--	--	--	--
GMP-01	25.0 - 30.0	--	--	1,090	1,056	433	348	250	824	454
OU2MW-01WT	3.0 - 8.0	--	--	--	--	--	--	--	--	--
OU2MW-01S	20.0 - 25.0	--	--	--	--	--	--	--	--	--
OU2MW-01I	35.0 - 40.0	--	--	--	--	--	--	--	--	--
OU2MW-01I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--
OU2MW-01D	65.0 - 70.0	--	--	--	--	--	--	--	--	--
OU2MW-02S	20.0 - 25.0	--	--	--	--	--	--	--	--	--
OU2MW-02I	35.0 - 40.0	--	--	--	--	--	--	--	--	--
OU2MW-02I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--
OU2MW-02D	65.0 - 70.0	--	--	--	--	--	--	--	--	--
OU2MW-03S	20.0 - 25.0	--	--	--	--	--	--	--	--	--
OU2MW-03I	35.0 - 40.0	--	--	--	--	--	--	--	--	--
OU2MW-03I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--
OU2MW-03D	65.0 - 70.0	--	--	--	--	--	--	--	--	--
OU2MW-04WT	3.0 - 8.0	--	--	--	--	--	--	--	--	--
OU2MW-04S	20.0 - 25.0	--	--	--	--	--	--	--	--	--
OU2MW-04I	35.0 - 40.0	--	--	--	--	--	--	--	--	--
OU2MW-04I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--
OU2MW-04D	65.0 - 70.0	--	--	--	--	--	--	--	--	--
OU2MW-05	25.0 - 35.0	--	--	--	--	--	--	--	--	--
OU2MW-09	30.0 - 40.0	--	--	--	--	--	--	--	--	--
OU2MW-11S	3.0 - 8.0	--	--	--	--	--	--	--	--	--
OU2MW-11I	20.0 - 25.0	--	--	--	--	--	--	--	--	--
OU2MW-11I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--
OU2MW-11D	40.0 - 45.0	--	--	--	--	--	--	--	--	--

Table 3-9
 Summary of Historic Total BTEX Groundwater Analytical Results - Downgradient of Montauk Highway Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Total BTEX Groundwater Concentrations (ug/L)								
		Sampling Date								
		1992	1999	2000	2002			2003		
		Sept	Oct/Nov	Nov/Dec	Jan/Feb	Apr/May	Nov/Dec	Feb-Apr	Jul/Aug	Sept/Oct
OU2MW-14S	3.0 - 8.0	--	--	--	--	--	--	--	--	--
OU2MW-14I*	20.0 - 25.0	--	--	--	--	--	--	--	--	--
OU2MW-14I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--
OU2MW-15S	3.0 - 8.0	--	--	--	--	--	--	--	--	--
OU2MW-15I	20.0 - 25.0	--	--	--	--	--	--	--	--	--
OU2MW-15I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--
OU2MW-15D	40.0 - 45.0	--	--	--	--	--	--	--	--	--
OU2MW-16S	3.0 - 8.0	--	--	--	--	--	--	--	--	--
OU2MW-16I	15.0 - 20.0	--	--	--	--	--	--	--	--	--
OU2MW-16I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--
OU2MW-16D	35.0 - 40.0	--	--	--	--	--	--	--	--	--

Table 3-9
 Summary of Historic Total BTEX Groundwater Analytical Results - Downgradient of Montauk Highway Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Total BTEX Groundwater Concentrations (ug/L)									
		Sampling Date									
		2004				2005				2006	
		Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	June	August	Nov/Dec	March	June
BBMW-03S	3.0 - 13.0	--	--	0	0	--	--	0	--	0	0
BBMW-03I	30.0 - 40.0	--	--	0	0	--	--	0	--	0	0
BBMW-03D	52.0 - 62.0	--	--	--	0	--	--	0	--	0	0
BBMW-07S	5.0 - 15.0	160	11	39	20	0	--	--	0	0	0
BBMW-07I	30.0 - 40.0	--	--	--	0	--	--	--	--	--	--
BBMW-07D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--
BBMW-25S	4.0 - 14.0	0	--	0	0	0	--	0	0	0	0
BBMW-25I	25.0 - 35.0	1,304	936	865	1,007	1,995	--	1,082	1,360	264	0
BBMW-25D	62.0 - 72.0	29	20	0	110	78	--	47	--	11	21
GM-05S	5.1 - 20.1	0	0	157	0	134	0	40	57	140	21
GM-05I	35.05 - 48.05	--	--	0	0	--	--	--	--	0	--
GM-05D	60.95 - 75.95	--	--	0	--	--	--	--	--	0	--
GMP-01	25.0 - 30.0	692	455	587	200	2,130	3,200	1,280	250	562	577
OU2MW-01WT	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--
OU2MW-01S	20.0 - 25.0	--	--	--	--	--	--	1,243	--	348	176
OU2MW-01I	35.0 - 40.0	--	--	--	--	--	--	77	--	767	170
OU2MW-01I2	50.0 - 55.0	--	--	--	--	--	--	25	--	195	126
OU2MW-01D	65.0 - 70.0	--	--	--	--	--	--	0	--	0	0
OU2MW-02S	20.0 - 25.0	--	--	--	--	--	--	100	--	181	111
OU2MW-02I	35.0 - 40.0	--	--	--	--	--	--	477	--	370	415
OU2MW-02I2	50.0 - 55.0	--	--	--	--	--	--	10	--	0	0
OU2MW-02D	65.0 - 70.0	--	--	--	--	--	--	0	--	0	0
OU2MW-03S	20.0 - 25.0	--	--	--	--	--	--	151	--	530	234
OU2MW-03I	35.0 - 40.0	--	--	--	--	--	--	0	--	0	0
OU2MW-03I2	50.0 - 55.0	--	--	--	--	--	--	0	--	0	0
OU2MW-03D	65.0 - 70.0	--	--	--	--	--	--	0	--	0	0
OU2MW-04WT	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--
OU2MW-04S	20.0 - 25.0	--	--	--	--	--	--	3,130	--	844	740
OU2MW-04I	35.0 - 40.0	--	--	--	--	--	--	267	--	885	296
OU2MW-04I2	50.0 - 55.0	--	--	--	--	--	--	41	--	32	0
OU2MW-04D	65.0 - 70.0	--	--	--	--	--	--	0	--	0	0
OU2MW-05	25.0 - 35.0	--	--	--	--	--	--	1,120	--	224	254
OU2MW-09	30.0 - 40.0	--	--	--	--	--	--	0	--	0	0
OU2MW-11S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--
OU2MW-11I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--
OU2MW-11I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--
OU2MW-11D	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--

Table 3-9
 Summary of Historic Total BTEX Groundwater Analytical Results - Downgradient of Montauk Highway Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Total BTEX Groundwater Concentrations (ug/L)									
		Sampling Date									
		2004				2005				2006	
		Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	June	August	Nov/Dec	March	June
OU2MW-14S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--
OU2MW-14I*	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--
OU2MW-14I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-15S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--
OU2MW-15I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--
OU2MW-15I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--
OU2MW-15D	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OU2MW-16S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--
OU2MW-16I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--
OU2MW-16I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-16D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--

Table 3-9
 Summary of Historic Total BTEX Groundwater Analytical Results - Downgradient of Montauk Highway Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Total BTEX Groundwater Concentrations (ug/L)									
		Sampling Date									
		2006		2007				2008			
		Jul/Aug	Nov/Dec	March	May-July	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	July-Sep	Oct-Dec
BBMW-03S	3.0 - 13.0	0	0	393	0	0	0	0	0	0	0
BBMW-03I	30.0 - 40.0	0	0	0	0	0	0	0	0	0	0
BBMW-03D	52.0 - 62.0	0	0	0	0	0	0	0	0	0	0
BBMW-07S	5.0 - 15.0	37	0	0	0	0	0	0	0	0	0
BBMW-07I	30.0 - 40.0	--	--	--	0	--	0	0	0	0	0
BBMW-07D	55.0 - 65.0	--	--	25	0	--	0	0	0	0	0
BBMW-25S	4.0 - 14.0	0	0	0	0	0	0	2	0	0	0
BBMW-25I	25.0 - 35.0	79	344	0	150	252	41	158	169	101	523
BBMW-25D	62.0 - 72.0	78	76	0	0	16	6	2	6	8	8
GM-05S	5.1 - 20.1	0	12	0	2	0	14	185	55	16	113
GM-05I	35.05 - 48.05	--	--	0	0	13	0	0	0	0	0
GM-05D	60.95 - 75.95	--	--	0	0	0	0	4	0	0	0
GMP-01	25.0 - 30.0	1,156	4,726	185	169	49	135	182	94	170	655
OU2MW-01WT	3.0 - 8.0	--	--	--	0	0	0	0	0	0	0
OU2MW-01S	20.0 - 25.0	988	288	876	46	182	102	42	6	15	82
OU2MW-01I	35.0 - 40.0	170	424	885	443	408	85	8	1	13	10
OU2MW-01I2	50.0 - 55.0	52	51	51	31	0	0	0	0	0	0
OU2MW-01D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0
OU2MW-02S	20.0 - 25.0	282	573	27	270	137	1	29	52	20	6
OU2MW-02I	35.0 - 40.0	493	459	645	260	410	229	377	412	281	359
OU2MW-02I2	50.0 - 55.0	0	0	0	0	0	1	11	0	2	1
OU2MW-02D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0
OU2MW-03S	20.0 - 25.0	225	206	0	1,108	223	9	45	94	42	53
OU2MW-03I	35.0 - 40.0	0	182	0	0	0	0	0	0	85	1,262
OU2MW-03I2	50.0 - 55.0	0	0	11	29	0	0	0	0	0	0
OU2MW-03D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0
OU2MW-04WT	3.0 - 8.0	--	--	--	0	0	0	0	0	0	10
OU2MW-04S	20.0 - 25.0	1,176	386	421	873	253	600	791	200	200	730
OU2MW-04I	35.0 - 40.0	23	0	134	244	252	158	174	25	67	120
OU2MW-04I2	50.0 - 55.0	0	0	0	5	0	0	0	0	0	0
OU2MW-04D	65.0 - 70.0	0	0	0	0	0	3	2	1	0	1
OU2MW-05	25.0 - 35.0	1,039	3,159	280	188	110	202	221	158	181	514
OU2MW-09	30.0 - 40.0	0	0	0	0	0	0	0	0	0	0
OU2MW-11S	3.0 - 8.0	--	--	--	0	0	0	0	0	0	0
OU2MW-11I	20.0 - 25.0	--	--	--	168	13	356	245	263	249	227
OU2MW-11I2	30.0 - 35.0	--	--	--	293	329	43	67	33	41	81
OU2MW-11D	40.0 - 45.0	--	--	--	3	0	0	0	0	0	0

Table 3-9
 Summary of Historic Total BTEX Groundwater Analytical Results - Downgradient of Montauk Highway Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Total BTEX Groundwater Concentrations (ug/L)									
		Sampling Date									
		2006		2007				2008			
		Jul/Aug	Nov/Dec	March	May-July	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	July-Sep	Oct-Dec
OU2MW-14S	3.0 - 8.0	--	--	--	0	0	0	0	0	0	0
OU2MW-14I*	20.0 - 25.0	--	--	--	--	--	--	0	0	0	0
OU2MW-14I2	45.0 - 50.0	--	--	--	--	--	--	0	0	0	0
OU2MW-15S	3.0 - 8.0	--	--	--	0	0	0	0	0	0	0
OU2MW-15I	20.0 - 25.0	--	--	--	795	32	1	40	8	6	14
OU2MW-15I2	30.0 - 35.0	--	--	--	0	599	367	0	0	0	0
OU2MW-15D	40.0 - 45.0	--	--	--	0	0	0	0	0	0	0
OU2MW-16S	3.0 - 8.0	--	--	--	0	0	0	0	0	0	0
OU2MW-16I	15.0 - 20.0	--	--	--	79	1	11	0	0	0	0
OU2MW-16I2	25.0 - 30.0	--	--	--	0	9	53	6	2	0	0
OU2MW-16D	35.0 - 40.0	--	--	--	0	0	0	149	0	0	1

Table 3-9
 Summary of Historic Total BTEX Groundwater Analytical Results - Downgradient of Montauk Highway Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Total BTEX Groundwater Concentrations (ug/L)							
		Sampling Date			Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2009							
		Jan-Mar	Apr-Jun	July-Sep					
BBMW-03S	3.0 - 13.0	0	0	0	0	393	20	0	393
BBMW-03I	30.0 - 40.0	0	0	0	0	2	0	0	2
BBMW-03D	52.0 - 62.0	0	0	0	0	3	0	0	3
BBMW-07S	5.0 - 15.0	0	0	0	0	241	24	0	241
BBMW-07I	30.0 - 40.0	0	0	0	0	0	0	0	0
BBMW-07D	55.0 - 65.0	0	0	0	0	25	2	0	25
BBMW-25S	4.0 - 14.0	0	0	0	0	58	2	0	58
BBMW-25I	25.0 - 35.0	469	301	46	0	1,995	653	0	1,995
BBMW-25D	62.0 - 72.0	35	32	2	0	110	34	0	110
GM-05S	5.1 - 20.1	8	36	11	0	367	74	0	367
GM-05I	35.05 - 48.05	0	0	0	0	13	1	0	13
GM-05D	60.95 - 75.95	2	0	0	0	4	0	0	4
GMP-01	25.0 - 30.0	762	869	432	49	4,726	812	49	4,726
OU2MW-01WT	3.0 - 8.0	0	0	0	0	0	0	0	0
OU2MW-01S	20.0 - 25.0	69	334	107	6	1,243	320	6	1,243
OU2MW-01I	35.0 - 40.0	2	195	186	1	885	244	1	885
OU2MW-01I2	50.0 - 55.0	0	0	3	0	195	35	0	195
OU2MW-01D	65.0 - 70.0	0	0	0	0	0	0	0	0
OU2MW-02S	20.0 - 25.0	5	184	46	1	573	132	1	573
OU2MW-02I	35.0 - 40.0	370	335	350	229	645	393	229	645
OU2MW-02I2	50.0 - 55.0	3	2	0	0	11	2	0	11
OU2MW-02D	65.0 - 70.0	0	0	0	0	0	0	0	0
OU2MW-03S	20.0 - 25.0	30	99	48	0	1,108	203	0	1,108
OU2MW-03I	35.0 - 40.0	366	15	0	0	1,262	127	0	1,262
OU2MW-03I2	50.0 - 55.0	5	38	10	0	38	6	0	38
OU2MW-03D	65.0 - 70.0	0	0	0	0	0	0	0	0
OU2MW-04WT	3.0 - 8.0	0	0	0	0	10	1	0	10
OU2MW-04S	20.0 - 25.0	841	891	654	200	3,130	805	200	3,130
OU2MW-04I	35.0 - 40.0	97	198	28	0	885	196	0	885
OU2MW-04I2	50.0 - 55.0	0	189	1	0	189	18	0	189
OU2MW-04D	65.0 - 70.0	2	0	0	0	3	1	0	3
OU2MW-05	25.0 - 35.0	466	290	369	110	3,159	560	110	3,159
OU2MW-09	30.0 - 40.0	0	0	0	0	0	0	0	0
OU2MW-11S	3.0 - 8.0	0	0	0	0	0	0	0	0
OU2MW-11I	20.0 - 25.0	170	132	69	13	356	203	13	356
OU2MW-11I2	30.0 - 35.0	98	25	1	25	329	112	1	329
OU2MW-11D	40.0 - 45.0	8	5	20	0	8	2	0	20

Table 3-9
 Summary of Historic Total BTEX Groundwater Analytical Results - Downgradient of Montauk Highway Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Total BTEX Groundwater Concentrations (ug/L)							
		Sampling Date			Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2009							
		Jan-Mar	Apr-Jun	July-Sep					
OU2MW-14S	3.0 - 8.0	0	0	0	0	0	0	0	0
OU2MW-14I*	20.0 - 25.0	0	0	0	0	0	0	0	0
OU2MW-14I2	45.0 - 50.0	0	0	0	0	0	0	0	0
OU2MW-15S	3.0 - 8.0	0	0	0	0	0	0	0	0
OU2MW-15I	20.0 - 25.0	0	63	175	0	795	107	0	795
OU2MW-15I2	30.0 - 35.0	0	0	0	0	599	107	0	599
OU2MW-15D	40.0 - 45.0	0	0	0	0	0	0	0	0
OU2MW-16S	3.0 - 8.0	0	0	0	0	0	0	0	0
OU2MW-16I	15.0 - 20.0	0	0	0	0	79	10	0	79
OU2MW-16I2	25.0 - 30.0	0	0	84	0	53	8	0	84
OU2MW-16D	35.0 - 40.0	0	2	0	0	149	17	0	149

Table 3-10
 Summary of Historic Total PAH Groundwater Analytical Results - Downgradient of Montauk Highway Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Total PAH Groundwater Concentrations (ug/L)									
		Sampling Date									
		1992	1999		2000	2002			2003		
Sept	Sept	Oct/Nov	Nov/Dec	Jan/Feb	Apr/May	Nov/Dec	Feb-Apr	Jul/Aug	Sept/Oct		
BBMW-03S	3.0 - 13.0	--	--	0	--	0	0	--	--	--	--
BBMW-03I	30.0 - 40.0	--	--	0	--	2	0	--	--	--	--
BBMW-03D	52.0 - 62.0	--	--	0	--	0	0	--	--	--	--
BBMW-07S	5.0 - 15.0	--	--	2	--	--	6	0	710	170	62
BBMW-07I	30.0 - 40.0	--	--	0	--	--	0	0	--	--	--
BBMW-07D	55.0 - 65.0	--	--	0	--	--	0	--	--	--	--
BBMW-25S	4.0 - 14.0	--	--	--	--	--	22	0	0	0	--
BBMW-25I	25.0 - 35.0	--	--	--	--	--	7,436	10,185	4,900	4,700	--
BBMW-25D	62.0 - 72.0	--	--	--	--	--	1,553	--	280	1,550	298
GM-05S	5.1 - 20.1	649	2,453	1,181	505	88	1,286	237	858	230	--
GM-05I	35.05 - 48.05	0	4	14	0	0	0	0	0	--	--
GM-05D	60.95 - 75.95	0	0	0	0	0	0	--	--	--	--
GMP-01	25.0 - 30.0	--	--	--	1,590	2,270	1,336	230	880	270	1,001
OU2MW-01WT	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--
OU2MW-01S	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--
OU2MW-01I	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--
OU2MW-01I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--
OU2MW-01D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
OU2MW-02S	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--
OU2MW-02I	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--
OU2MW-02I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--
OU2MW-02D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
OU2MW-03S	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--
OU2MW-03I	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--
OU2MW-03I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--
OU2MW-03D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
OU2MW-04WT	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--
OU2MW-04S	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--
OU2MW-04I	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--
OU2MW-04I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--
OU2MW-04D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
OU2MW-05	25.0 - 35.0	--	--	--	--	--	--	--	--	--	--
OU2MW-09	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--
OU2MW-11S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--
OU2MW-11I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--
OU2MW-11I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--
OU2MW-11D	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OU2MW-14S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--
OU2MW-14I*	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--
OU2MW-14I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-15S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--
OU2MW-15I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--
OU2MW-15I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--
OU2MW-15D	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OU2MW-16S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--
OU2MW-16I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--
OU2MW-16I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-16D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--

Table 3-10
 Summary of Historic Total PAH Groundwater Analytical Results - Downgradient of Montauk Highway Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Total PAH Groundwater Concentrations (ug/L)									
		Sampling Date									
		2004				2005				2006	
		Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	June	August	Nov/Dec	March	June
BBMW-03S	3.0 - 13.0	--	--	0	0	--	--	0	--	0	0
BBMW-03I	30.0 - 40.0	--	--	0	0	--	--	0	--	0	0
BBMW-03D	52.0 - 62.0	--	--	--	186	--	--	0	--	0	0
BBMW-07S	5.0 - 15.0	24	0	0	0	0	--	--	0	0	0
BBMW-07I	30.0 - 40.0	--	--	--	0	--	--	--	--	--	--
BBMW-07D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--
BBMW-25S	4.0 - 14.0	0	--	0	14	0	--	0	0	0	0
BBMW-25I	25.0 - 35.0	4,860	7,761	7,840	3,902	4,937	--	3,621	5,472	1,560	0
BBMW-25D	62.0 - 72.0	135	144	101	588	223	--	390	--	308	179
GM-05S	5.1 - 20.1	0	0	635	0	312	0	366	0	34	0
GM-05I	35.05 - 48.05	--	--	51	0	--	--	--	--	0	--
GM-05D	60.95 - 75.95	--	--	28	--	--	--	--	--	0	--
GMP-01	25.0 - 30.0	421	1,281	266	6,514	2,595	1,241	6,419	10,183	9,385	9,261
OU2MW-01WT	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--
OU2MW-01S	20.0 - 25.0	--	--	--	--	--	--	6,927	--	464	457
OU2MW-01I	35.0 - 40.0	--	--	--	--	--	--	5,507	--	8,222	3,717
OU2MW-01I2	50.0 - 55.0	--	--	--	--	--	--	58	--	1,249	0
OU2MW-01D	65.0 - 70.0	--	--	--	--	--	--	0	--	0	0
OU2MW-02S	20.0 - 25.0	--	--	--	--	--	--	162	--	311	209
OU2MW-02I	35.0 - 40.0	--	--	--	--	--	--	2,541	--	3,413	3,609
OU2MW-02I2	50.0 - 55.0	--	--	--	--	--	--	22	--	11	0
OU2MW-02D	65.0 - 70.0	--	--	--	--	--	--	15	--	0	0
OU2MW-03S	20.0 - 25.0	--	--	--	--	--	--	401	--	339	353
OU2MW-03I	35.0 - 40.0	--	--	--	--	--	--	67	--	0	0
OU2MW-03I2	50.0 - 55.0	--	--	--	--	--	--	0	--	36	16
OU2MW-03D	65.0 - 70.0	--	--	--	--	--	--	0	--	0	0
OU2MW-04WT	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--
OU2MW-04S	20.0 - 25.0	--	--	--	--	--	--	4,034	--	12,611	7,351
OU2MW-04I	35.0 - 40.0	--	--	--	--	--	--	5,444	--	6,438	3,795
OU2MW-04I2	50.0 - 55.0	--	--	--	--	--	--	375	--	115	101
OU2MW-04D	65.0 - 70.0	--	--	--	--	--	--	0	--	0	0
OU2MW-05	25.0 - 35.0	--	--	--	--	--	--	4,711	--	8,049	5,125
OU2MW-09	30.0 - 40.0	--	--	--	--	--	--	0	--	0	0
OU2MW-11S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--
OU2MW-11I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--
OU2MW-11I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--
OU2MW-11D	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OU2MW-14S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--
OU2MW-14I*	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--
OU2MW-14I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-15S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--
OU2MW-15I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--
OU2MW-15I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--
OU2MW-15D	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OU2MW-16S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--
OU2MW-16I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--
OU2MW-16I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-16D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--

Table 3-10
 Summary of Historic Total PAH Groundwater Analytical Results - Downgradient of Montauk Highway Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Total PAH Groundwater Concentrations (ug/L)									
		Sampling Date									
		2006		2007				2008			
		Jul/Aug	Nov/Dec	March	May-July	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	July-Sep	Oct-Dec
BBMW-03S	3.0 - 13.0	0	0	283	0	0	0	0	0	1	0
BBMW-03I	30.0 - 40.0	0	0	0	0	0	0	0	0	0	0
BBMW-03D	52.0 - 62.0	0	0	0	0	0	0	7	0	0	0
BBMW-07S	5.0 - 15.0	0	0	0	0	3	0	0	0	0	0
BBMW-07I	30.0 - 40.0	--	--	--	0	--	0	0	0	0	0
BBMW-07D	55.0 - 65.0	--	--	873	0	--	0	2	0	0	0
BBMW-25S	4.0 - 14.0	0	0	0	0	10	0	0	0	0	0
BBMW-25I	25.0 - 35.0	37	488	11	102	457	2	181	48	86	478
BBMW-25D	62.0 - 72.0	160	384	0	0	3	1	0	0	59	0
GM-05S	5.1 - 20.1	0	0	0	--	0	13	25	30	7	35
GM-05I	35.05 - 48.05	--	--	0	0	7	0	0	0	0	0
GM-05D	60.95 - 75.95	--	--	0	0	0	0	0	0	0	0
GMP-01	25.0 - 30.0	5,555	3,936	4,019	--	159	4,428	3,967	2,020	778	275
OU2MW-01WT	3.0 - 8.0	--	--	--	70	0	0	0	0	0	0
OU2MW-01S	20.0 - 25.0	1,230	104	321	67	2,023	2,000	48	0	0	0
OU2MW-01I	35.0 - 40.0	879	495	120	442	90	2,222	15	0	25	4
OU2MW-01I2	50.0 - 55.0	0	100	0	488	7	4	0	0	0	0
OU2MW-01D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0
OU2MW-02S	20.0 - 25.0	164	424	0	154	155	27	57	96	46	8
OU2MW-02I	35.0 - 40.0	5,251	3,012	1,943	3,567	1,835	2,947	3,129	43	2,981	151
OU2MW-02I2	50.0 - 55.0	0	0	0	16	0	11	30	1	12	0
OU2MW-02D	65.0 - 70.0	0	0	0	0	17	0	0	0	0	0
OU2MW-03S	20.0 - 25.0	181	379	0	317	201	49	87	61	79	85
OU2MW-03I	35.0 - 40.0	0	49	0	0	0	0	0	7	0	95
OU2MW-03I2	50.0 - 55.0	0	0	0	144	4	1	0	0	0	0
OU2MW-03D	65.0 - 70.0	0	0	0	0	0	6	3	0	0	0
OU2MW-04WT	3.0 - 8.0	--	--	--	0	0	0	0	0	0	0
OU2MW-04S	20.0 - 25.0	10,538	2,774	6,802	8,445	3,794	4,145	2,666	2,936	3,901	334
OU2MW-04I	35.0 - 40.0	1,107	0	0	332	3,260	547	4,051	0	36	0
OU2MW-04I2	50.0 - 55.0	57	78	0	19	16	2	0	23	0	0
OU2MW-04D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0
OU2MW-05	25.0 - 35.0	4,314	4,149	1,980	2,164	247	3,412	491	516	50	456
OU2MW-09	30.0 - 40.0	0	0	0	0	0	0	0	0	0	0
OU2MW-11S	3.0 - 8.0	--	--	--	0	0	0	2	0	0	4
OU2MW-11I	20.0 - 25.0	--	--	--	1,077	112	3,627	865	1,977	1,030	663
OU2MW-11I2	30.0 - 35.0	--	--	--	426	2,412	52	0	0	275	264
OU2MW-11D	40.0 - 45.0	--	--	--	8	7	5	0	0	0	0
OU2MW-14S	3.0 - 8.0	--	--	--	0	0	0	0	0	0	0
OU2MW-14I*	20.0 - 25.0	--	--	--	--	--	--	2	0	0	0
OU2MW-14I2	45.0 - 50.0	--	--	--	--	--	--	0	0	0	0
OU2MW-15S	3.0 - 8.0	--	--	--	0	0	0	0	0	0	0
OU2MW-15I	20.0 - 25.0	--	--	--	261	86	8	34	0	0	0
OU2MW-15I2	30.0 - 35.0	--	--	--	0	320	76	0	0	0	0
OU2MW-15D	40.0 - 45.0	--	--	--	0	0	0	0	0	0	2
OU2MW-16S	3.0 - 8.0	--	--	--	0	0	0	0	0	0	0
OU2MW-16I	15.0 - 20.0	--	--	--	22	5	0	0	0	0	0
OU2MW-16I2	25.0 - 30.0	--	--	--	4	12	16	1	0	0	0
OU2MW-16D	35.0 - 40.0	--	--	--	0	0	0	102	0	0	0

Table 3-10
 Summary of Historic Total PAH Groundwater Analytical Results - Downgradient of Montauk Highway Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Total PAH Groundwater Concentrations (ug/L)							
		Sampling Date			Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2009							
		Jan-Mar	Apr-Jun	July-Sep					
BBMW-03S	3.0 - 13.0	0	0	0	0	283	14	0	283
BBMW-03I	30.0 - 40.0	0	0	0	0	2	0	0	2
BBMW-03D	52.0 - 62.0	0	0	0	0	186	10	0	186
BBMW-07S	5.0 - 15.0	0	0	0	0	710	38	0	710
BBMW-07I	30.0 - 40.0	0	0	0	0	0	0	0	0
BBMW-07D	55.0 - 65.0	0	0	0	0	873	80	0	873
BBMW-25S	4.0 - 14.0	0	0	0	0	22	2	0	22
BBMW-25I	25.0 - 35.0	741	1,219	105	0	10,185	2,841	0	10,185
BBMW-25D	62.0 - 72.0	0	0	0	0	1,553	265	0	1,553
GM-05S	5.1 - 20.1	5	19	9	0	2,453	299	0	2,453
GM-05I	35.05 - 48.05	0	0	0	0	51	4	0	51
GM-05D	60.95 - 75.95	0	0	0	0	28	2	0	28
GMP-01	25.0 - 30.0	719	1,049	651	159	10,183	2,930	159	10,183
OU2MW-01WT	3.0 - 8.0	0	0	0	0	70	8	0	70
OU2MW-01S	20.0 - 25.0	0	1,487	1,953	0	6,927	1,009	0	6,927
OU2MW-01I	35.0 - 40.0	0	702	109	0	8,222	1,496	0	8,222
OU2MW-01I2	50.0 - 55.0	0	0	0	0	1,249	127	0	1,249
OU2MW-01D	65.0 - 70.0	0	0	0	0	0	0	0	0
OU2MW-02S	20.0 - 25.0	33	146	44	0	424	133	0	424
OU2MW-02I	35.0 - 40.0	2,129	1,993	2,385	43	5,251	2,570	43	5,251
OU2MW-02I2	50.0 - 55.0	6	0	0	0	30	7	0	30
OU2MW-02D	65.0 - 70.0	0	0	4	0	17	2	0	17
OU2MW-03S	20.0 - 25.0	80	157	118	0	401	185	0	401
OU2MW-03I	35.0 - 40.0	146	0	0	0	146	24	0	146
OU2MW-03I2	50.0 - 55.0	0	0	0	0	144	13	0	144
OU2MW-03D	65.0 - 70.0	0	0	0	0	6	1	0	6
OU2MW-04WT	3.0 - 8.0	0	0	0	0	0	0	0	0
OU2MW-04S	20.0 - 25.0	641	3,565	3,770	334	12,611	4,969	334	12,611
OU2MW-04I	35.0 - 40.0	98	2	0	0	6,438	1,674	0	6,438
OU2MW-04I2	50.0 - 55.0	0	1,340	0	0	1,340	142	0	1,340
OU2MW-04D	65.0 - 70.0	0	0	0	0	0	0	0	0
OU2MW-05	25.0 - 35.0	353	376	735	50	8,049	2,426	50	8,049
OU2MW-09	30.0 - 40.0	11	0	0	0	11	1	0	11
OU2MW-11S	3.0 - 8.0	0	0	0	0	4	1	0	4
OU2MW-11I	20.0 - 25.0	1,323	428	46	112	3,627	1,234	46	3,627
OU2MW-11I2	30.0 - 35.0	1,011	131	9	0	2,412	508	0	2,412
OU2MW-11D	40.0 - 45.0	9	0	54	0	9	3	0	54
OU2MW-14S	3.0 - 8.0	0	0	0	0	0	0	0	0
OU2MW-14I*	20.0 - 25.0	0	0	0	0	2	0	0	2
OU2MW-14I2	45.0 - 50.0	0	0	0	0	0	0	0	0
OU2MW-15S	3.0 - 8.0	0	0	0	0	0	0	0	0
OU2MW-15I	20.0 - 25.0	0	1	219	0	261	43	0	261
OU2MW-15I2	30.0 - 35.0	0	0	0	0	320	44	0	320
OU2MW-15D	40.0 - 45.0	0	0	0	0	2	0	0	2
OU2MW-16S	3.0 - 8.0	0	0	0	0	0	0	0	0
OU2MW-16I	15.0 - 20.0	0	0	0	0	22	3	0	22
OU2MW-16I2	25.0 - 30.0	0	0	0	0	16	4	0	16
OU2MW-16D	35.0 - 40.0	0	0	0	0	102	11	0	102

Table 3-11
 Summary of Historic Total BTEX Groundwater Analytical Results - Downgradient of Manatuck Lane Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Total BTEX Groundwater Concentrations (ug/L)								
		Sampling Date								
		2000	2002			2003			2004	
		Nov/Dec	Jan/Feb	Apr/May	Nov/Dec	Feb-Apr	Jul/Aug	Sept/Oct	Feb/Mar	Apr/May
GMP-02	18.0 - 23.0	1,387	321	197	2,268	710	2,275	1,194	1,735	913
GMP-04	15.5 - 20.5	60	67	44	82	0	11	12	331	385
OU2IW-01S	3.0 - 8.0	--	--	--	--	--	--	--	--	--
OU2MW-06S	3.0 - 8.0	--	--	--	--	--	--	--	--	--
OU2MW-06	15.0 - 25.0	--	--	--	--	--	--	--	--	--
OU2MW-07S	3.0 - 8.0	--	--	--	--	--	--	--	--	--
OU2MW-07	15.0 - 25.0	--	--	--	--	--	--	--	--	--
OU2MW-10S	3.0 - 7.0	--	--	--	--	--	--	--	--	--
OU2MW-10I	20.0 - 25.0	--	--	--	--	--	--	--	--	--
OU2MW-10D	35.0 - 40.0	--	--	--	--	--	--	--	--	--
OU2MW-12S	3.0 - 7.0	--	--	--	--	--	--	--	--	--
OU2MW-12I	20.0 - 25.0	--	--	--	--	--	--	--	--	--
OU2MW-12I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--
OU2MW-12D	40.0 - 45.0	--	--	--	--	--	--	--	--	--
OU2MW-13S	3.0 - 8.0	--	--	--	--	--	--	--	--	--
OU2MW-13I	20.0 - 25.0	--	--	--	--	--	--	--	--	--
OU2MW-13D	35.0 - 40.0	--	--	--	--	--	--	--	--	--
OU2MW-52S	3.0 - 8.0	--	--	--	--	--	--	--	--	--
OU2MW-52I	20.0 - 25.0	--	--	--	--	--	--	--	--	--
OU2MW-52D	35.0 - 40.0	--	--	--	--	--	--	--	--	--
OU2MW-53S	3.0 - 8.0	--	--	--	--	--	--	--	--	--
OU2MW-53I	20.0 - 25.0	--	--	--	--	--	--	--	--	--
OU2MW-53D	35.0 - 40.0	--	--	--	--	--	--	--	--	--

Table 3-11
 Summary of Historic Total BTEX Groundwater Analytical Results - Downgradient of Manatuck Lane Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Total BTEX Groundwater Concentrations (ug/L)								
		Sampling Date								
		2004		2005				2006		
		Jul/Aug	Nov/Dec	Feb/Mar	June	August	Nov/Dec	March	June	Jul/Aug
GMP-02	18.0 - 23.0	660	24	1,318	1,090	550	311	151	11	12
GMP-04	15.5 - 20.5	345	1,483	263	214	366	1,132	242	83	242
OU2IW-01S	3.0 - 8.0	--	--	--	--	--	--	--	--	--
OU2MW-06S	3.0 - 8.0	--	--	--	--	--	--	--	--	--
OU2MW-06	15.0 - 25.0	--	--	--	--	1,085	--	11	0	0
OU2MW-07S	3.0 - 8.0	--	--	--	--	--	--	--	--	--
OU2MW-07	15.0 - 25.0	--	--	--	--	35	--	59	39	0
OU2MW-10S	3.0 - 7.0	--	--	--	--	--	--	--	--	--
OU2MW-10I	20.0 - 25.0	--	--	--	--	--	--	--	--	--
OU2MW-10D	35.0 - 40.0	--	--	--	--	--	--	--	--	--
OU2MW-12S	3.0 - 7.0	--	--	--	--	--	--	--	--	--
OU2MW-12I	20.0 - 25.0	--	--	--	--	--	--	--	--	--
OU2MW-12I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--
OU2MW-12D	40.0 - 45.0	--	--	--	--	--	--	--	--	--
OU2MW-13S	3.0 - 8.0	--	--	--	--	--	--	--	--	--
OU2MW-13I	20.0 - 25.0	--	--	--	--	--	--	--	--	--
OU2MW-13D	35.0 - 40.0	--	--	--	--	--	--	--	--	--
OU2MW-52S	3.0 - 8.0	--	--	--	--	--	--	--	--	--
OU2MW-52I	20.0 - 25.0	--	--	--	--	--	--	--	--	--
OU2MW-52D	35.0 - 40.0	--	--	--	--	--	--	--	--	--
OU2MW-53S	3.0 - 8.0	--	--	--	--	--	--	--	--	--
OU2MW-53I	20.0 - 25.0	--	--	--	--	--	--	--	--	--
OU2MW-53D	35.0 - 40.0	--	--	--	--	--	--	--	--	--

Table 3-11
 Summary of Historic Total BTEX Groundwater Analytical Results - Downgradient of Manatuck Lane Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Total BTEX Groundwater Concentrations (ug/L)								
		Sampling Date								
		2006	2007				2008			
		Nov/Dec	March	May-July	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	July-Sep	Oct-Dec
GMP-02	18.0 - 23.0	0	0	0	0	0	3	4	0	0
GMP-04	15.5 - 20.5	280	652	36	295	264	15	0	0	0
OU2IW-01S	3.0 - 8.0	--	--	--	0	0	0	0	0	0
OU2MW-06S	3.0 - 8.0	--	--	0	0	0	0	0	0	0
OU2MW-06	15.0 - 25.0	0	53	0	0	0	11	3	0	2
OU2MW-07S	3.0 - 8.0	--	--	0	0	0	1	0	0	0
OU2MW-07	15.0 - 25.0	35	0	3	0	1	15	3	3	0
OU2MW-10S	3.0 - 7.0	--	--	0	0	0	0	0	0	0
OU2MW-10I	20.0 - 25.0	--	--	3	0	278	906	14	10	143
OU2MW-10D	35.0 - 40.0	--	--	0	0	0	0	198	39	351
OU2MW-12S	3.0 - 7.0	--	--	0	0	0	0	0	0	0
OU2MW-12I	20.0 - 25.0	--	--	466	143	70	70	81	78	62
OU2MW-12I2	30.0 - 35.0	--	--	30	2	7	23	2	0	0
OU2MW-12D	40.0 - 45.0	--	--	23	13	21	17	11	0	0
OU2MW-13S	3.0 - 8.0	--	--	0	0	0	0	0	0	0
OU2MW-13I	20.0 - 25.0	--	--	29	9	0	7	4	1	7
OU2MW-13D	35.0 - 40.0	--	--	4	27	5	0	10	10	0
OU2MW-52S	3.0 - 8.0	--	--	--	--	--	--	--	--	--
OU2MW-52I	20.0 - 25.0	--	--	--	--	--	--	--	--	--
OU2MW-52D	35.0 - 40.0	--	--	--	--	--	--	--	--	--
OU2MW-53S	3.0 - 8.0	--	--	--	--	--	--	--	--	--
OU2MW-53I	20.0 - 25.0	--	--	--	--	--	--	--	--	--
OU2MW-53D	35.0 - 40.0	--	--	--	--	--	--	--	--	--

Table 3-11
 Summary of Historic Total BTEX Groundwater Analytical Results - Downgradient of Manatuck Lane Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Total BTEX Groundwater Concentrations (ug/L)							
		Sampling Date			Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2009							
		Jan-Mar	Apr-Jun	July-Aug					
GMP-02	18.0 - 23.0	0	0	0	0	2,275	522	0	2,275
GMP-04	15.5 - 20.5	0	0	0	0	1,483	238	0	1,483
OU2IW-01S	3.0 - 8.0	0	0	0	0	0	0	0	0
OU2MW-06S	3.0 - 8.0	0	0	0	0	0	0	0	0
OU2MW-06	15.0 - 25.0	0	0	0	0	1,085	78	0	1,085
OU2MW-07S	3.0 - 8.0	0	0	0	0	1	0	0	1
OU2MW-07	15.0 - 25.0	0	2	0	0	59	13	0	59
OU2MW-10S	3.0 - 7.0	0	0	0	0	0	0	0	0
OU2MW-10I	20.0 - 25.0	76	33	32	0	906	163	0	906
OU2MW-10D	35.0 - 40.0	78	0	28	0	351	74	0	351
OU2MW-12S	3.0 - 7.0	0	0	0	0	0	0	0	0
OU2MW-12I	20.0 - 25.0	107	48	139	48	466	125	48	466
OU2MW-12I2	30.0 - 35.0	53	19	7	0	53	15	0	53
OU2MW-12D	40.0 - 45.0	0	0	0	0	23	9	0	23
OU2MW-13S	3.0 - 8.0	0	0	0	0	0	0	0	0
OU2MW-13I	20.0 - 25.0	13	3	22	0	29	8	0	29
OU2MW-13D	35.0 - 40.0	34	13	29	0	34	11	0	34
OU2MW-52S	3.0 - 8.0	--	0	0	NA	NA	NA	0	0
OU2MW-52I	20.0 - 25.0	--	128	0	NA	NA	NA	128	128
OU2MW-52D	35.0 - 40.0	--	0	0	NA	NA	NA	0	0
OU2MW-53S	3.0 - 8.0	--	0	0	NA	NA	NA	0	0
OU2MW-53I	20.0 - 25.0	--	0	0	NA	NA	NA	0	0
OU2MW-53D	35.0 - 40.0	--	0	0	NA	NA	NA	0	0

Table 3-12
 Summary of Historic Total PAH Groundwater Analytical Results - Downgradient of Manatuck Lane Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Total PAH Groundwater Concentrations (ug/L)								
		Sampling Date								
		2000	2002			2003			2004	
Nov/Dec	Jan/Feb	Apr/May	Nov/Dec	Feb-Apr	Jul/Aug	Sept/Oct	Feb/Mar	Apr/May		
GMP-02	18.0 - 23.0	2,764	4,216	3,447	6,788	3,300	4,000	7,010	3,772	6,967
GMP-04	15.5 - 20.5	290	1,135	287	113	0	430	44	459	206
OU2IW-01S	3.0 - 8.0	--	--	--	--	--	--	--	--	--
OU2MW-06S	3.0 - 8.0	--	--	--	--	--	--	--	--	--
OU2MW-06	15.0 - 25.0	--	--	--	--	--	--	--	--	--
OU2MW-07S	3.0 - 8.0	--	--	--	--	--	--	--	--	--
OU2MW-07	15.0 - 25.0	--	--	--	--	--	--	--	--	--
OU2MW-10S	3.0 - 7.0	--	--	--	--	--	--	--	--	--
OU2MW-10I	20.0 - 25.0	--	--	--	--	--	--	--	--	--
OU2MW-10D	35.0 - 40.0	--	--	--	--	--	--	--	--	--
OU2MW-12S	3.0 - 7.0	--	--	--	--	--	--	--	--	--
OU2MW-12I	20.0 - 25.0	--	--	--	--	--	--	--	--	--
OU2MW-12I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--
OU2MW-12D	40.0 - 45.0	--	--	--	--	--	--	--	--	--
OU2MW-13S	3.0 - 8.0	--	--	--	--	--	--	--	--	--
OU2MW-13I	20.0 - 25.0	--	--	--	--	--	--	--	--	--
OU2MW-13D	35.0 - 40.0	--	--	--	--	--	--	--	--	--
OU2MW-52S	3.0 - 8.0	--	--	--	--	--	--	--	--	--
OU2MW-52I	20.0 - 25.0	--	--	--	--	--	--	--	--	--
OU2MW-52D	35.0 - 40.0	--	--	--	--	--	--	--	--	--
OU2MW-53S	3.0 - 8.0	--	--	--	--	--	--	--	--	--
OU2MW-53I	20.0 - 25.0	--	--	--	--	--	--	--	--	--
OU2MW-53D	35.0 - 40.0	--	--	--	--	--	--	--	--	--

Table 3-12
 Summary of Historic Total PAH Groundwater Analytical Results - Downgradient of Manatuck Lane Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Total PAH Groundwater Concentrations (ug/L)								
		Sampling Date								
		2004		2005				2006		
		Jul/Aug	Nov/Dec	Feb/Mar	June	August	Nov/Dec	March	June	Jul/Aug
GMP-02	18.0 - 23.0	5,213	5,460	3,008	3,459	8,837	151	0	0	10
GMP-04	15.5 - 20.5	235	1,372	601	77	369	1,720	41	22	573
OU2IW-01S	3.0 - 8.0	--	--	--	--	--	--	--	--	--
OU2MW-06S	3.0 - 8.0	--	--	--	--	--	--	--	--	--
OU2MW-06	15.0 - 25.0	--	--	--	--	9,241	--	19	0	0
OU2MW-07S	3.0 - 8.0	--	--	--	--	--	--	--	--	--
OU2MW-07	15.0 - 25.0	--	--	--	--	66	--	69	0	0
OU2MW-10S	3.0 - 7.0	--	--	--	--	--	--	--	--	--
OU2MW-10I	20.0 - 25.0	--	--	--	--	--	--	--	--	--
OU2MW-10D	35.0 - 40.0	--	--	--	--	--	--	--	--	--
OU2MW-12S	3.0 - 7.0	--	--	--	--	--	--	--	--	--
OU2MW-12I	20.0 - 25.0	--	--	--	--	--	--	--	--	--
OU2MW-12I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--
OU2MW-12D	40.0 - 45.0	--	--	--	--	--	--	--	--	--
OU2MW-13S	3.0 - 8.0	--	--	--	--	--	--	--	--	--
OU2MW-13I	20.0 - 25.0	--	--	--	--	--	--	--	--	--
OU2MW-13D	35.0 - 40.0	--	--	--	--	--	--	--	--	--
OU2MW-52S	3.0 - 8.0	--	--	--	--	--	--	--	--	--
OU2MW-52I	20.0 - 25.0	--	--	--	--	--	--	--	--	--
OU2MW-52D	35.0 - 40.0	--	--	--	--	--	--	--	--	--
OU2MW-53S	3.0 - 8.0	--	--	--	--	--	--	--	--	--
OU2MW-53I	20.0 - 25.0	--	--	--	--	--	--	--	--	--
OU2MW-53D	35.0 - 40.0	--	--	--	--	--	--	--	--	--

Table 3-12
 Summary of Historic Total PAH Groundwater Analytical Results - Downgradient of Manatuck Lane Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Total PAH Groundwater Concentrations (ug/L)								
		Sampling Date								
		2006	2007				2008			
Nov/Dec	March	May-July	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	July-Sep	Oct-Dec		
GMP-02	18.0 - 23.0	11	0	0	0	0	0	0	0	0
GMP-04	15.5 - 20.5	232	1,380	52	1,523	1,467	1	0	0	0
OU2IW-01S	3.0 - 8.0	--	--	--	0	0	48	0	0	0
OU2MW-06S	3.0 - 8.0	--	--	0	10	0	0	0	6	0
OU2MW-06	15.0 - 25.0	0	0	0	0	3	6	0	0	0
OU2MW-07S	3.0 - 8.0	--	--	0	0	7	0	0	0	0
OU2MW-07	15.0 - 25.0	0	0	0	0	37	0	0	0	0
OU2MW-10S	3.0 - 7.0	--	--	0	0	0	0	5	0	0
OU2MW-10I	20.0 - 25.0	--	--	4	0	297	201	1	0	2
OU2MW-10D	35.0 - 40.0	--	--	0	0	0	0	413	32	727
OU2MW-12S	3.0 - 7.0	--	--	1	0	0	0	0	0	0
OU2MW-12I	20.0 - 25.0	--	--	1,646	888	147	268	137	122	79
OU2MW-12I2	30.0 - 35.0	--	--	224	3	7	30	5	0	0
OU2MW-12D	40.0 - 45.0	--	--	108	79	39	44	35	0	0
OU2MW-13S	3.0 - 8.0	--	--	0	0	0	0	0	0	0
OU2MW-13I	20.0 - 25.0	--	--	33	12	10	1	7	1	15
OU2MW-13D	35.0 - 40.0	--	--	13	15	2	1	4	2	0
OU2MW-52S	3.0 - 8.0	--	--	--	--	--	--	--	--	--
OU2MW-52I	20.0 - 25.0	--	--	--	--	--	--	--	--	--
OU2MW-52D	35.0 - 40.0	--	--	--	--	--	--	--	--	--
OU2MW-53S	3.0 - 8.0	--	--	--	--	--	--	--	--	--
OU2MW-53I	20.0 - 25.0	--	--	--	--	--	--	--	--	--
OU2MW-53D	35.0 - 40.0	--	--	--	--	--	--	--	--	--

Table 3-12
 Summary of Historic Total PAH Groundwater Analytical Results - Downgradient of Manatuck Lane Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Total PAH Groundwater Concentrations (ug/L)							
		Sampling Date			Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2009							
		Jan-Mar	Apr-Jun	July-Aug					
GMP-02	18.0 - 23.0	0	0	0	0	8,837	2,359	0	8,837
GMP-04	15.5 - 20.5	0	0	0	0	1,720	435	0	1,720
OU2IW-01S	3.0 - 8.0	0	0	0	0	48	6	0	48
OU2MW-06S	3.0 - 8.0	0	0	0	0	10	2	0	10
OU2MW-06	15.0 - 25.0	0	0	0	0	9,241	618	0	9,241
OU2MW-07S	3.0 - 8.0	0	0	0	0	7	1	0	7
OU2MW-07	15.0 - 25.0	0	0	0	0	69	11	0	69
OU2MW-10S	3.0 - 7.0	0	0	0	0	5	1	0	5
OU2MW-10I	20.0 - 25.0	29	22	3	0	297	62	0	297
OU2MW-10D	35.0 - 40.0	0	1	49	0	727	130	0	727
OU2MW-12S	3.0 - 7.0	0	0	0	0	1	0	0	1
OU2MW-12I	20.0 - 25.0	513	53	123	53	1,646	428	53	1,646
OU2MW-12I2	30.0 - 35.0	720	39	15	0	720	114	0	720
OU2MW-12D	40.0 - 45.0	2	0	0	0	108	34	0	108
OU2MW-13S	3.0 - 8.0	0	0	0	0	0	0	0	0
OU2MW-13I	20.0 - 25.0	8	6	7	1	33	10	1	33
OU2MW-13D	35.0 - 40.0	21	18	31	0	21	8	0	31
OU2MW-52S	3.0 - 8.0	--	0	0	NA	NA	NA	0	0
OU2MW-52I	20.0 - 25.0	--	101	0	NA	NA	NA	101	101
OU2MW-52D	35.0 - 40.0	--	0	0	NA	NA	NA	0	0
OU2MW-53S	3.0 - 8.0	--	0	0	NA	NA	NA	0	0
OU2MW-53I	20.0 - 25.0	--	0	0	NA	NA	NA	0	0
OU2MW-53D	35.0 - 40.0	--	0	0	NA	NA	NA	0	0

Table 3-13
 Summary of Monthly Total BTEX Groundwater Analytical Results
 Targeted Monitoring Wells for Supplemental Oxygen Injection Systems
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Oxygen Injection System	Total BTEX Groundwater Concentrations (ug/L)					
			Sampling Date					
			2008		2009			
			July-Sep	Oct-Dec	Jan	Feb	Mar	April
OU2MW-28S	5.0 - 15.0	9 North Clinton	0	0	--	--	0	0
OU2MW-28I	28.0 - 33.0	9 North Clinton	400	169	--	--	93	3
OU2MW-28I2	40.0 - 45.0	9 North Clinton	0	2	--	--	1	0
OU2MW-29I	18.0 - 23.0	9 North Clinton	1,290	1,715	--	--	1122	286
OU2MW-29I2	30.0 - 35.0	9 North Clinton	1,316	246	--	--	87	96
OU2MW-29D	40.0 - 45.0	9 North Clinton	211	405	--	--	359	388
OU2MW-30S	5.0 - 15.0	9 North Clinton	52	251	--	--	3	0
OU2MW-30I	25.0 - 30.0	9 North Clinton	312	281	--	--	208	647
OU2MW-30I2	30.0 - 35.0	9 North Clinton	533	41	--	--	43	81
OU2MW-30I3	45.0 - 50.0	9 North Clinton	91	247	--	--	254	187
OU2MW-30D	50.0 - 55.0	9 North Clinton	301	206	--	--	134	197
OU2MW-30D2	60.0 - 65.0	9 North Clinton	282	406	--	--	375	243
OU2MW-31I	18 - 23.0	9 North Clinton	512	343	--	--	779	733
OU2MW-31I2	30 - 35.0	9 North Clinton	0	0	--	--	1	204
OU2MW-32S	5.0 - 15.0	9 North Clinton	0	0	--	--	0	0
OU2MW-32I	20.0 - 25.0	9 North Clinton	2,073	1,355	--	--	3698	4436
OU2MW-32I2	30.0 - 35.0	9 North Clinton	1,493	375	--	--	71	46
OU2MW-32D	40.0 - 45.0	9 North Clinton	57	177	--	--	25	8
OU2MW-35S	5.0 - 15.0	33 North Clinton	--	17	--	--	9	16
OU2MW-35I	25.0 - 30.0	33 North Clinton	--	678	--	--	9	12
OU2MW-35I2	45.0 - 50.0	33 North Clinton	--	0	--	--	0	0
OU2MW-35D	57.0 - 62.0	33 North Clinton	--	0	--	--	0	0
OU2MW-36S	5.0 - 15.0	33 North Clinton	--	0	--	--	0	0
OU2MW-36I	25.0 - 30.0	33 North Clinton	--	288	--	--	55	42
OU2MW-36I2	45.0 - 50.0	33 North Clinton	--	0	--	--	0	0
OU2MW-36D	61.0 - 66.0	33 North Clinton	--	0	--	--	0	0
OU2MW-37S	5.0 - 15.0	33 North Clinton	--	0	--	--	0	9
OU2MW-37I	25.0 - 30.0	33 North Clinton	--	87	--	--	373	411
OU2MW-37I2	45.0 - 50.0	33 North Clinton	--	0	--	--	0	4
OU2MW-37D	67.0 - 72.0	33 North Clinton	--	0	--	--	0	0
OU2MW-39S	5.0 - 15.0	33 North Clinton	--	0	--	--	0	0
OU2MW-39I	25.0 - 30.0	33 North Clinton	--	0	--	--	0	2
OU2MW-39I2	45.0 - 50.0	33 North Clinton	--	1	--	--	0	0
OU2MW-39D	70.0 - 75.0	33 North Clinton	--	0	--	--	0	0
OU2MW-42S	5.0 - 15.0	33 North Clinton	--	--	--	--	57	22

Table 3-13
 Summary of Monthly Total BTEX Groundwater Analytical Results
 Targeted Monitoring Wells for Supplemental Oxygen Injection Systems
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Oxygen Injection System	Total BTEX Groundwater Concentrations (ug/L)					
			Sampling Date					
			2008		2009			
			July-Sep	Oct-Dec	Jan	Feb	Mar	April
OU2MW-42I	25.0 - 30.0	33 North Clinton	--	--	--	--	24	4
OU2MW-42I2	45.0 - 50.0	33 North Clinton	--	--	--	--	0	0
OU2MW-42D	60.0 - 65.0	33 North Clinton	--	--	--	--	0	0
OU2MW-45S	5.0 - 15.0	34 North Clinton	--	108	60	9	20	15
OU2MW-45I	20.0 - 25.0	34 North Clinton	--	3	10	0	0	11
OU2MW-45I2	40.0 - 45.0	34 North Clinton	--	0	0	0	0	0
OU2MW-45D	55.0 - 60.0	34 North Clinton	--	0	0	0	0	0
OU2MW-46S	5.0 - 15.0	34 North Clinton	--	421	422	12	0	0
OU2MW-46I	20.0 - 25.0	34 North Clinton	--	1,898	1991	100	53	13
OU2MW-46I2	40.0 - 45.0	34 North Clinton	--	2	11	59	375	108
OU2MW-47S	5.0 - 15.0	34 North Clinton	--	148	146	1	0	0
OU2MW-47I	20.0 - 25.0	34 North Clinton	--	1,039	2714	42	15	16
OU2MW-47I2	40.0 - 45.0	34 North Clinton	--	297	159	75	40	7
OU2MW-47D	60.0 - 65.0	34 North Clinton	--	472	442	569	546	695

Table 3-13
 Summary of Monthly Total BTEX Groundwater Analytical Results
 Targeted Monitoring Wells for Supplemental Oxygen Injection Systems
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Oxygen Injection System	Total BTEX Groundwater Concentrations (ug/L)					Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
			Sampling Date									
			2009									
			May	June	July	Aug	Sep					
OU2MW-28S	5.0 - 15.0	9 North Clinton	0	0	0	0	0	0	0	0	0	
OU2MW-28I	28.0 - 33.0	9 North Clinton	0	0	0	0	4	400	111	0	400	
OU2MW-28I2	40.0 - 45.0	9 North Clinton	0	2	4	33	72	2	1	0	72	
OU2MW-29I	18.0 - 23.0	9 North Clinton	440	480	150	78	31	286	1715	889	31	1715
OU2MW-29I2	30.0 - 35.0	9 North Clinton	75	53	36	88	99	53	1316	312	36	1316
OU2MW-29D	40.0 - 45.0	9 North Clinton	329	287	181	152	173	211	405	330	152	405
OU2MW-30S	5.0 - 15.0	9 North Clinton	0	0	0	0	0	0	251	51	0	251
OU2MW-30I	25.0 - 30.0	9 North Clinton	729	351	240	135	218	208	729	421	135	729
OU2MW-30I2	30.0 - 35.0	9 North Clinton	471	387	549	397	195	41	533	259	41	549
OU2MW-30I3	45.0 - 50.0	9 North Clinton	248	130	105	72	31	91	254	193	31	254
OU2MW-30D	50.0 - 55.0	9 North Clinton	126	68	24	27	30	68	301	172	24	301
OU2MW-30D2	60.0 - 65.0	9 North Clinton	347	263	260	283	220	243	406	319	220	406
OU2MW-31I	18 - 23.0	9 North Clinton	856	50	2	5	3	50	856	546	2	856
OU2MW-31I2	30 - 35.0	9 North Clinton	413	317	225	116	59	0	413	156	0	413
OU2MW-32S	5.0 - 15.0	9 North Clinton	0	0	0	0	0	0	0	0	0	0
OU2MW-32I	20.0 - 25.0	9 North Clinton	5013	3016	2094	1470	701	1355	5013	3265	701	5013
OU2MW-32I2	30.0 - 35.0	9 North Clinton	57	30	30	32	7	30	1493	345	7	1493
OU2MW-32D	40.0 - 45.0	9 North Clinton	3	1	0	0	0	1	177	45	0	177
OU2MW-35S	5.0 - 15.0	33 North Clinton	0	0	0	0	0	0	17	8	0	17
OU2MW-35I	25.0 - 30.0	33 North Clinton	0	0	0	0	0	0	678	140	0	678
OU2MW-35I2	45.0 - 50.0	33 North Clinton	0	0	0	0	0	0	0	0	0	0
OU2MW-35D	57.0 - 62.0	33 North Clinton	0	0	0	0	0	0	0	0	0	0
OU2MW-36S	5.0 - 15.0	33 North Clinton	0	0	0	0	0	0	0	0	0	0
OU2MW-36I	25.0 - 30.0	33 North Clinton	9	0	0	0	0	0	288	79	0	288
OU2MW-36I2	45.0 - 50.0	33 North Clinton	0	0	0	0	0	0	0	0	0	0
OU2MW-36D	61.0 - 66.0	33 North Clinton	0	0	0	0	0	0	0	0	0	0
OU2MW-37S	5.0 - 15.0	33 North Clinton	0	0	0	0	18	0	9	2	0	18
OU2MW-37I	25.0 - 30.0	33 North Clinton	365	10	2	347	2,623	10	411	249	2	2623
OU2MW-37I2	45.0 - 50.0	33 North Clinton	0	0	0	0	0	0	4	1	0	4
OU2MW-37D	67.0 - 72.0	33 North Clinton	0	0	0	0	0	0	0	0	0	0
OU2MW-39S	5.0 - 15.0	33 North Clinton	2	0	0	0	0	0	2	0	0	2
OU2MW-39I	25.0 - 30.0	33 North Clinton	5	0	0	0	0	0	5	1	0	5
OU2MW-39I2	45.0 - 50.0	33 North Clinton	0	1	2	3	3	0	1	0	0	3
OU2MW-39D	70.0 - 75.0	33 North Clinton	0	0	0	0	0	0	0	0	0	0
OU2MW-42S	5.0 - 15.0	33 North Clinton	11	3	0	0	11	3	57	23	0	57

Table 3-13
 Summary of Monthly Total BTEX Groundwater Analytical Results
 Targeted Monitoring Wells for Supplemental Oxygen Injection Systems
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Oxygen Injection System	Total BTEX Groundwater Concentrations (ug/L)					Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
			Sampling Date									
			2009									
			May	June	July	Aug	Sep					
OU2MW-42I	25.0 - 30.0	33 North Clinton	0	1	0	94	86	0	24	7	0	94
OU2MW-42I2	45.0 - 50.0	33 North Clinton	0	0	0	0	0	0	0	0	0	0
OU2MW-42D	60.0 - 65.0	33 North Clinton	0	0	2	63	100	0	0	0	0	100
OU2MW-45S	5.0 - 15.0	34 North Clinton	9	5	0	0	27	5	108	32	0	108
OU2MW-45I	20.0 - 25.0	34 North Clinton	8	20	65	7	1	0	20	7	0	65
OU2MW-45I2	40.0 - 45.0	34 North Clinton	0	0	0	0	0	0	0	0	0	0
OU2MW-45D	55.0 - 60.0	34 North Clinton	0	0	0	0	0	0	0	0	0	0
OU2MW-46S	5.0 - 15.0	34 North Clinton	0	21	0	0	0	0	422	125	0	422
OU2MW-46I	20.0 - 25.0	34 North Clinton	2	37	0	0	0	2	1991	585	0	1991
OU2MW-46I2	40.0 - 45.0	34 North Clinton	185	0	2	0	0	0	375	106	0	375
OU2MW-47S	5.0 - 15.0	34 North Clinton	0	0	0	0	0	0	148	42	0	148
OU2MW-47I	20.0 - 25.0	34 North Clinton	40	0	11	1	0	0	2714	552	0	2714
OU2MW-47I2	40.0 - 45.0	34 North Clinton	1	1	9	22	173	1	297	83	1	297
OU2MW-47D	60.0 - 65.0	34 North Clinton	587	627	423	271	258	442	695	563	258	695

Table 3-14
 Summary of Monthly Total PAH Groundwater Analytical Results
 Targeted Monitoring Wells for Supplemental Oxygen Injection Systems
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Oxygen Injection System	Total PAH Groundwater Concentrations (ug/L)						
			Sampling Date						
			2008		2009				
			July-Sep	Oct-Dec	Jan	Feb	Mar	April	May
OU2MW-28S	5.0 - 15.0	9 North Clinton	0	0	--	--	0	0	1
OU2MW-28I	28.0 - 33.0	9 North Clinton	283	132	--	--	121	0	0
OU2MW-28I2	40.0 - 45.0	9 North Clinton	12	16	--	--	15	0	0
OU2MW-29I	18.0 - 23.0	9 North Clinton	863	1,083	--	--	700	228	206
OU2MW-29I2	30.0 - 35.0	9 North Clinton	3,642	6159	--	--	2778	6117	4259
OU2MW-29D	40.0 - 45.0	9 North Clinton	2656	2474	--	--	314	2842	27
OU2MW-30S	5.0 - 15.0	9 North Clinton	2	1990	--	--	10	0	0
OU2MW-30I	25.0 - 30.0	9 North Clinton	5560	7304	--	--	5175	2186	13
OU2MW-30I2	30.0 - 35.0	9 North Clinton	6605	5671	--	--	6025	4696	1712
OU2MW-30I3	45.0 - 50.0	9 North Clinton	93	5101	--	--	5562	5586	1043
OU2MW-30D	50.0 - 55.0	9 North Clinton	1087	5989	--	--	1652	4681	1851
OU2MW-30D2	60.0 - 65.0	9 North Clinton	2638	4689	--	--	4735	2274	87
OU2MW-31I	18 - 23.0	9 North Clinton	212	488	--	--	79	137	35
OU2MW-31I2	30 - 35.0	9 North Clinton	1	6	--	--	0	431	841
OU2MW-32S	5.0 - 15.0	9 North Clinton	0	0	--	--	63	0	0
OU2MW-32I	20.0 - 25.0	9 North Clinton	4,029	3,970	--	--	2818	4029	6696
OU2MW-32I2	30.0 - 35.0	9 North Clinton	5,230	3459	--	--	1164	286	357
OU2MW-32D	40.0 - 45.0	9 North Clinton	29	1336	--	--	189	10	0
OU2MW-35S	5.0 - 15.0	33 North Clinton	--	3	--	--	0	0	0
OU2MW-35I	25.0 - 30.0	33 North Clinton	--	2270	--	--	250	3	8
OU2MW-35I2	45.0 - 50.0	33 North Clinton	--	0	--	--	0	0	0
OU2MW-35D	57.0 - 62.0	33 North Clinton	--	4	--	--	0	0	0
OU2MW-36S	5.0 - 15.0	33 North Clinton	--	0	--	--	0	0	0
OU2MW-36I	25.0 - 30.0	33 North Clinton	--	1302	--	--	573	325	307
OU2MW-36I2	45.0 - 50.0	33 North Clinton	--	0	--	--	0	0	0
OU2MW-36D	61.0 - 66.0	33 North Clinton	--	0	--	--	1	0	0
OU2MW-37S	5.0 - 15.0	33 North Clinton	--	0	--	--	0	3	0
OU2MW-37I	25.0 - 30.0	33 North Clinton	--	43	--	--	38	130	216
OU2MW-37I2	45.0 - 50.0	33 North Clinton	--	0	--	--	0	3	0
OU2MW-37D	67.0 - 72.0	33 North Clinton	--	0	--	--	0	0	0
OU2MW-39S	5.0 - 15.0	33 North Clinton	--	0	--	--	0	0	0
OU2MW-39I	25.0 - 30.0	33 North Clinton	--	32	--	--	4	3	0
OU2MW-39I2	45.0 - 50.0	33 North Clinton	--	1	--	--	0	14	30
OU2MW-39D	70.0 - 75.0	33 North Clinton	--	0	--	--	0	0	0
OU2MW-42S	5.0 - 15.0	33 North Clinton	--	--	--	--	145	107	107
OU2MW-42I	25.0 - 30.0	33 North Clinton	--	--	--	--	9	0	2
OU2MW-42I2	45.0 - 50.0	33 North Clinton	--	--	--	--	0	0	0

Table 3-14
 Summary of Monthly Total PAH Groundwater Analytical Results
 Targeted Monitoring Wells for Supplemental Oxygen Injection Systems
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Oxygen Injection System	Total PAH Groundwater Concentrations (ug/L)						
			Sampling Date						
			2008		2009				
			July-Sep	Oct-Dec	Jan	Feb	Mar	April	May
OU2MW-42D	60.0 - 65.0	33 North Clinton	--	--	--	--	0	4	1
OU2MW-45S	5.0 - 15.0	34 North Clinton	--	3	9	0	0	0	0
OU2MW-45I	20.0 - 25.0	34 North Clinton	--	30	8	1	0	2	2
OU2MW-45I2	40.0 - 45.0	34 North Clinton	--	39	7	0	0	0	0
OU2MW-45D	55.0 - 60.0	34 North Clinton	--	0	0	0	0	0	0
OU2MW-46S	5.0 - 15.0	34 North Clinton	--	0	31	4	0	0	0
OU2MW-46I	20.0 - 25.0	34 North Clinton	--	2,503	2169	12	5	12	3
OU2MW-46I2	40.0 - 45.0	34 North Clinton	--	0	0	0	4	26	56
OU2MW-47S	5.0 - 15.0	34 North Clinton	--	56	0	0	0	0	0
OU2MW-47I	20.0 - 25.0	34 North Clinton	--	785	1043	1	3	0	4
OU2MW-47I2	40.0 - 45.0	34 North Clinton	--	6146	3627	2389	49	8	2
OU2MW-47D	60.0 - 65.0	34 North Clinton	--	7437	7007	5890	5237	4846	6563

Table 3-14
 Summary of Monthly Total PAH Groundwater Analytical Results
 Targeted Monitoring Wells for Supplemental Oxygen Injection Systems
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Oxygen Injection System	Total PAH Groundwater Concentrations (ug/L)				Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
			Sampling Date								
			2009								
			June	July	Aug	Sep					
OU2MW-28S	5.0 - 15.0	9 North Clinton	0	0	0	0	1	0	0	1	
OU2MW-28I	28.0 - 33.0	9 North Clinton	0	0	1	11	283	89	0	283	
OU2MW-28I2	40.0 - 45.0	9 North Clinton	0	0	716	1712	16	7	0	1712	
OU2MW-29I	18.0 - 23.0	9 North Clinton	513	229	54	38	206	1083	599	38	1083
OU2MW-29I2	30.0 - 35.0	9 North Clinton	1015	262	988	274	1015	6159	3995	262	6159
OU2MW-29D	40.0 - 45.0	9 North Clinton	1679	213	3341	2937	27	2842	1665	27	3341
OU2MW-30S	5.0 - 15.0	9 North Clinton	0	0	0	0	1990	334	0	1990	
OU2MW-30I	25.0 - 30.0	9 North Clinton	21	0	37	33	13	7304	3377	0	7304
OU2MW-30I2	30.0 - 35.0	9 North Clinton	356	513	388	195	356	6605	4178	195	6605
OU2MW-30I3	45.0 - 50.0	9 North Clinton	24	23	101	94	24	5586	2902	23	5586
OU2MW-30D	50.0 - 55.0	9 North Clinton	2151	45	93	84	1087	5989	2902	45	5989
OU2MW-30D2	60.0 - 65.0	9 North Clinton	12	0	182	15	12	4735	2406	0	4735
OU2MW-31I	18 - 23.0	9 North Clinton	4	0	7	4	4	488	159	0	488
OU2MW-31I2	30 - 35.0	9 North Clinton	645	207	100	21	0	841	321	0	841
OU2MW-32S	5.0 - 15.0	9 North Clinton	0	0	0	0	0	63	11	0	63
OU2MW-32I	20.0 - 25.0	9 North Clinton	7796	3865	3954	4621	2818	7796	4890	2818	7796
OU2MW-32I2	30.0 - 35.0	9 North Clinton	408	107	289	94	286	5230	1817	94	5230
OU2MW-32D	40.0 - 45.0	9 North Clinton	32	22	22	10	0	1336	266	0	1336
OU2MW-35S	5.0 - 15.0	33 North Clinton	0	0	0	0	0	3	1	0	3
OU2MW-35I	25.0 - 30.0	33 North Clinton	6	0	0	0	3	2270	507	0	2270
OU2MW-35I2	45.0 - 50.0	33 North Clinton	0	1	0	0	0	0	0	0	1
OU2MW-35D	57.0 - 62.0	33 North Clinton	0	0	0	0	0	4	1	0	4
OU2MW-36S	5.0 - 15.0	33 North Clinton	0	0	0	0	0	0	0	0	0
OU2MW-36I	25.0 - 30.0	33 North Clinton	0	0	0	0	0	1302	501	0	1302
OU2MW-36I2	45.0 - 50.0	33 North Clinton	0	0	0	0	0	0	0	0	0
OU2MW-36D	61.0 - 66.0	33 North Clinton	0	0	0	0	0	1	0	0	1
OU2MW-37S	5.0 - 15.0	33 North Clinton	0	0	0	0	0	3	1	0	3
OU2MW-37I	25.0 - 30.0	33 North Clinton	67	22	14	23	38	216	99	14	216
OU2MW-37I2	45.0 - 50.0	33 North Clinton	0	0	1	0	0	3	1	0	3
OU2MW-37D	67.0 - 72.0	33 North Clinton	0	0	0	0	0	0	0	0	0
OU2MW-39S	5.0 - 15.0	33 North Clinton	0	0	0	0	0	0	0	0	0
OU2MW-39I	25.0 - 30.0	33 North Clinton	0	0	0	0	0	32	8	0	32
OU2MW-39I2	45.0 - 50.0	33 North Clinton	55	73	134	130	0	55	20	0	134
OU2MW-39D	70.0 - 75.0	33 North Clinton	0	0	0	0	0	0	0	0	0
OU2MW-42S	5.0 - 15.0	33 North Clinton	0	0	8	0	0	145	90	0	145
OU2MW-42I	25.0 - 30.0	33 North Clinton	0	0	1	0	0	9	3	0	9
OU2MW-42I2	45.0 - 50.0	33 North Clinton	0	0	0	0	0	0	0	0	0

Table 3-14
 Summary of Monthly Total PAH Groundwater Analytical Results
 Targeted Monitoring Wells for Supplemental Oxygen Injection Systems
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Oxygen Injection System	Total PAH Groundwater Concentrations (ug/L)				Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
			Sampling Date								
			2009								
			June	July	Aug	Sep					
OU2MW-42D	60.0 - 65.0	33 North Clinton	1	3	67	185	0	4	2	0	185
OU2MW-45S	5.0 - 15.0	34 North Clinton	0	0	0	5	0	9	2	0	9
OU2MW-45I	20.0 - 25.0	34 North Clinton	5	23	5	1	0	30	7	0	30
OU2MW-45I2	40.0 - 45.0	34 North Clinton	0	0	0	0	0	39	7	0	39
OU2MW-45D	55.0 - 60.0	34 North Clinton	0	0	0	2	0	0	0	0	2
OU2MW-46S	5.0 - 15.0	34 North Clinton	0	0	0	0	0	31	5	0	31
OU2MW-46I	20.0 - 25.0	34 North Clinton	1	0	0	0	1	2503	672	0	2503
OU2MW-46I2	40.0 - 45.0	34 North Clinton	9	0	0	0	0	56	14	0	56
OU2MW-47S	5.0 - 15.0	34 North Clinton	0	0	0	0	0	56	8	0	56
OU2MW-47I	20.0 - 25.0	34 North Clinton	2	0	0	0	0	1043	263	0	1043
OU2MW-47I2	40.0 - 45.0	34 North Clinton	0	3	8	31	0	6146	1746	0	6146
OU2MW-47D	60.0 - 65.0	34 North Clinton	6751	4577	5147	3906	4846	7437	6247	3906	7437

Table 3-15
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Operable Unit:		OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2
Sample Name:	NYS	BBMW-01S	BBMW-01S	BBMW-01S	BBMW-011	BBMW-011	BBMW-011	Duplicate of: BBMW-011	BBMW-01D	Duplicate of: BBMW-01D	BBMW-01D	BBMW-01D	BBMW-02S	BBMW-02I	BBMW-02D	Duplicate of: BBMW-02D	BBMW-03S	BBMW-03I	BBMW-03D	BBMW-07S	BBMW-07I	BBMW-07D	BBMW-15S	BBMW-15I
Screened Interval:	AWQS	5-15 ft	5-15 ft	5-15 ft	32-42 ft	32-42 ft	32-42 ft	32-42 ft	68.5-78.5 ft	68.5-78.5 ft	68.5-78.5 ft	68.5-78.5 ft	5-15 ft	30-40 ft	73-83 ft	73-83 ft	3-13 ft	30-40 ft	52-62 ft	5-15 ft	30-40 ft	55-65 ft	5-15 ft	23-28 ft
Sample Date:		7/24/2009	8/31/2009	9/25/2009	7/23/2009	8/31/2009	9/25/2009	9/25/2009	7/23/2009	7/23/2009	8/31/2009	9/25/2009	8/25/2009	8/25/2009	8/21/2009	8/21/2009	9/9/2009	9/9/2009	9/9/2009	9/11/2009	9/11/2009	9/11/2009	8/21/2009	8/13/2009
Carcinogenic PAHs (ug/L)																								
Benzo[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz[a,h]anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAHs (ug/L)																								
Total PAHs	NE ND	143	ND	5082	7190	5703	5693	2	ND	96	141	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Metals (ug/L)																								
Aluminum	NE NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3 NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25 NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000 NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3* NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5 NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50 NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200 NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300 NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25 NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000* NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300 NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100 NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10 NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000 NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000* NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 3-15
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Operable Unit:		OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	
Sample Name:	NYS	BBMW-15I2	BBMW-15D	BBMW-16S	BBMW-16I	BBMW-16D	BBMW-23S	BBMW-23S	BBMW-23S	BBMW-23I	BBMW-23I	BBMW-23I	BBMW-23D	BBMW-23D	BBMW-23D	BBMW-23D2	BBMW-23D2	BBMW-23D2	BBMW-24S	BBMW-24I	BBMW-24D	BBMW-25S	BBMW-25I	BBMW-25D
Screened Interval:	AWQS	35-45 ft	70-80 ft	5-15 ft	35-45 ft	68-78 ft	5-15 ft	5-15 ft	5-15 ft	33-43 ft	33-43 ft	33-43 ft	49.5-59.5 ft	49.5-59.5 ft	49.5-59.5 ft	63-73 ft	63-73 ft	63-73 ft	4-14 ft	32-42 ft	59.5-69.5 ft	4-14 ft	25-35 ft	62-72 ft
Sample Date:		8/13/2009	8/13/2009	9/3/2009	9/3/2009	9/3/2009	7/24/2009	8/31/2009	9/28/2009	7/24/2009	8/31/2009	9/28/2009	7/24/2009	8/31/2009	9/28/2009	7/24/2009	8/31/2009	9/28/2009	9/3/2009	9/3/2009	9/3/2009	7/28/2009	7/17/2009	7/17/2009
Carcinogenic PAHs (ug/L)																								
Benz[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz[a,h]anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAHs (ug/L)																								
Total PAHs	NE	ND	ND	ND	ND	ND	2350	2303	3162	ND	3	ND	ND	26	1	ND	ND	ND	ND	ND	53	ND	105	ND
Total Metals (ug/L)																								
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 3-15
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Operable Unit:		OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2
Sample Name:	NYS	GM-05S	GM-05I	GM-05D	GMP-01	GMP-02	GMP-04	Duplicate of: GMP-04	OU2IW-01S	OU2MW-01WT	OU2MW-01S	OU2MW-01I	OU2MW-01I2	OU2MW-01D	OU2MW-02S	OU2MW-02I	OU2MW-02I2	OU2MW-02D	OU2MW-03S	OU2MW-03I	OU2MW-03I2
Screened Interval:	AWQS	5.1-20.1 ft	35.05-48.05 ft	60.95-75.95 ft	25-30 ft	18-23 ft	15.5-20.5 ft	15.5-20.5 ft	3-8 ft	3-8 ft	20-25 ft	35-40 ft	50-55 ft	65-70 ft	20-25 ft	35-40 ft	50-55 ft	65-70 ft	20-25 ft	35-40 ft	50-55 ft
Sample Date:		8/13/2009	8/13/2009	8/13/2009	8/14/2009	8/7/2009	8/7/2009	8/7/2009	8/5/2009	7/28/2009	7/17/2009	7/17/2009	7/17/2009	7/17/2009	9/9/2009	9/9/2009	9/9/2009	9/9/2009	9/10/2009	9/10/2009	9/10/2009
Carcinogenic PAHs (ug/L)																					
Benz[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz[a,h]anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAHs (ug/L)																					
Total PAHs	NE	9	ND	ND	651	ND	ND	ND	ND	ND	1953	109	ND	ND	44	2385	ND	4	118	ND	ND
Total Metals (ug/L)																					
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 3-15
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Operable Unit:		OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	
Sample Name:	NYS	OU2MW-03D	OU2MW-04WT	OU2MW-04S	OU2MW-04I	OU2MW-04I2	Duplicate of: OU2MW-04I2	OU2MW-04D	OU2MW-05	OU2MW-06S	OU2MW-06	OU2MW-07S	OU2MW-07	OU2MW-08WT	OU2MW-08S	OU2MW-08I	Duplicate of: OU2MW-08I	OU2MW-08I2	OU2MW-08D	OU2MW-09	OU2MW-10S	OU2MW-10I	
Screened Interval:	AWQS	65-70 ft	3-8 ft	20-25 ft	35-40 ft	50-55 ft	50-55 ft	65-70 ft	25-35 ft	3-8 ft	15-25 ft	3-8 ft	15-25 ft	3-8 ft	20-25 ft	35-40 ft	35-40 ft	50-55 ft	65-70 ft	30-40 ft	3-7 ft	20-25 ft	
Sample Date:		9/10/2009	9/10/2009	9/10/2009	9/10/2009	9/10/2009	9/10/2009	9/10/2009	8/5/2009	8/17/2009	8/17/2009	7/23/2009	7/23/2009	8/13/2009	8/13/2009	8/13/2009	8/13/2009	8/13/2009	8/13/2009	9/9/2009	8/6/2009	8/6/2009	
Carcinogenic PAHs (ug/L)																							
Benz[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo[a]pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Dibenz[a,h]anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Total PAHs (ug/L)																							
Total PAHs	NE ND	ND	ND	3770	ND	ND	ND	ND	735	ND	ND	ND	ND	ND	ND	4301	2887	3709	70	ND	ND	ND	3
Total Metals (ug/L)																							
Aluminum	NE NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3 NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25 NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000 NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3* NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5 NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50 NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200 NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300 NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25 NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300 NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100 NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10 NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000 NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 3-15
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Operable Unit:		OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2
Sample Name:	NYS	OU2MW-10D	OU2MW-11S	OU2MW-11I	OU2MW-11I2	OU2MW-11D	OU2MW-12S	OU2MW-12I	OU2MW-12I2	OU2MW-12D	OU2MW-13S	OU2MW-13I	OU2MW-13D	OU2MW-14S	OU2MW-14I	OU2MW-14I2	OU2MW-15S	OU2MW-15I	OU2MW-15I2	OU2MW-15D	OU2MW-16S	OU2MW-16I
Screened Interval:	AWQS	35-40 ft	3-8 ft	20-25 ft	30-35 ft	40-45 ft	3-7 ft	20-25 ft	30-35 ft	40-45 ft	3-8 ft	20-25 ft	35-40 ft	3-8 ft	20-25 ft	45-50 ft	3-8 ft	20-25 ft	30-35 ft	40-45 ft	3-8 ft	15-20 ft
Sample Date:		8/6/2009	8/6/2009	8/6/2009	8/6/2009	8/6/2009	8/5/2009	8/5/2009	8/5/2009	8/5/2009	7/16/2009	7/16/2009	7/16/2009	8/28/2009	8/26/2009	8/24/2009	8/6/2009	8/6/2009	8/6/2009	8/6/2009	8/7/2009	8/7/2009
Carcinogenic PAHs (ug/L)																						
Benz[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz[a,h]anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAHs (ug/L)																						
Total PAHs	NE	49	ND	46	9	54	ND	123	15	ND	ND	7	31	ND	ND	ND	ND	219	ND	ND	ND	ND
Total Metals (ug/L)																						
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 3-15
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Operable Unit:		OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2
Sample Name:	NYS	OU2MW-16I2	OU2MW-16D	OU2MW-17S	OU2MW-17I	OU2MW-17I2	OU2MW-17D	OU2MW-18I	OU2MW-18I2	OU2MW-18D	OU2MW-19I	OU2MW-19I2	OU2MW-19D	OU2MW-20S	OU2MW-20I	OU2MW-20I2	OU2MW-20D	OU2MW-21S	OU2MW-21I	OU2MW-21I2	OU2MW-22S	OU2MW-22I
Screened Interval:	AWQS	25-30 ft	35-40 ft	5-10 ft	13-23 ft	35-45 ft	60-75 ft	13-23 ft	35-45 ft	60-70 ft	13-23 ft	35-45 ft	65-70 ft	4-9 ft	13-23 ft	35-45 ft	65-70 ft	5-15 ft	13-23 ft	35-45 ft	5-15 ft	25-30 ft
Sample Date:		8/7/2009	8/7/2009	8/25/2009	8/25/2009	8/25/2009	8/25/2009	8/25/2009	8/25/2009	8/25/2009	8/28/2009	8/28/2009	8/28/2009	8/28/2009	8/28/2009	8/28/2009	8/28/2009	9/1/2009	9/1/2009	9/1/2009	9/1/2009	9/1/2009
Carcinogenic PAHs (ug/L)																						
Benz[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz[a,h]anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAHs (ug/L)																						
Total PAHs	NE	ND	ND	ND	6	ND	ND	4006	ND	ND	146	3337	3601	ND	ND	ND	ND	4	86	110	ND	23
Total Metals (ug/L)																						
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 3-15
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Operable Unit:		OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	
Sample Name:	NYS	OU2MW-22I2	OU2MW-22D	OU2MW-23S	OU2MW-23I	OU2MW-23I2	OU2MW-23D	OU2MW-24S	OU2MW-24I	OU2MW-24I2	OU2MW-24D	OU2MW-25S	OU2MW-25I	OU2MW-25I2	OU2MW-25D	OU2MW-26S	OU2MW-26I	OU2MW-26I2	OU2MW-26D	OU2MW-28S	OU2MW-28S	OU2MW-28S	
Screened Interval:	AWQS	46-51 ft	67-72 ft	5-15 ft	25-30 ft	45-50 ft	65-70 ft	5-15 ft	25-30 ft	45-50 ft	62-67 ft	5-15 ft	25-30 ft	45-50 ft	70-75 ft	6-11 ft	13-23 ft	35-45 ft	60-70 ft	5-15 ft	5-15 ft	5-15 ft	
Sample Date:		9/1/2009	9/1/2009	9/1/2009	9/1/2009	9/1/2009	9/1/2009	9/1/2009	9/1/2009	9/1/2009	9/1/2009	8/31/2009	8/31/2009	8/31/2009	8/31/2009	9/2/2009	9/2/2009	9/2/2009	9/2/2009	7/22/2009	8/18/2009	9/24/2009	
Carcinogenic PAHs (ug/L)																							
Benz[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo[a]pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Dibenz[a,h]anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Total PAHs (ug/L)																							
Total PAHs	NE ND	ND	ND	ND	323	ND	ND	3	493	ND	ND	ND	72	ND	ND	ND	3	14	4328	ND	ND	ND	
Total Metals (ug/L)																							
Aluminum	NE NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	97.3 UJ	NA	
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.0 U	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	14.7 UJ	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.13 U	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.26 U	NA
Calcium	NE NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32900	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.70 J	NA
Cobalt	NE NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.76 U	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.4 J	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	42.1 J	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5100	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.1 UJ	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.2 UJ	NA
Potassium	NE NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2350 J	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.6 U	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10600	NA
Vanadium	NE NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.77 U	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	18.3 J	NA

Table 3-15
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Operable Unit:		OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2
Sample Name:	NYS	OU2MW-28I	OU2MW-28I	OU2MW-28I	OU2MW-28I2	OU2MW-28I2	OU2MW-28I2	OU2MW-29I	OU2MW-29I	OU2MW-29I	Duplicate of: OU2MW-29I	OU2MW-29I2	OU2MW-29I2	OU2MW-29I2	OU2MW-29D	OU2MW-29D	OU2MW-29D	OU2MW-30S	OU2MW-30S	OU2MW-30S	OU2MW-30I	OU2MW-30I
Screened Interval:	AWQS	28-33 ft	28-33 ft	28-33 ft	40-45 ft	40-45 ft	40-45 ft	18-23 ft	18-23 ft	18-23 ft	18-23 ft	30-35 ft	30-35 ft	30-35 ft	45-50 ft	45-50 ft	45-50 ft	5-15 ft	5-15 ft	5-15 ft	25-30 ft	25-30 ft
Sample Date:		7/22/2009	8/18/2009	9/24/2009	7/22/2009	8/18/2009	9/24/2009	7/22/2009	8/18/2009	9/22/2009	9/22/2009	7/22/2009	8/18/2009	9/22/2009	7/22/2009	8/21/2009	9/24/2009	7/23/2009	8/17/2009	9/22/2009	7/23/2009	8/17/2009
Carcinogenic PAHs (ug/L)																						
Benz[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	4 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	1 J	10 U	10 U	10 U	6	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	2 J	10 U	10 U	10 U	9	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	1 J	10 U	1 J	10 U	7	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz[a,h]anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	4 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAHs (ug/L)																						
Total PAHs	NE	ND	1	11	ND	716	1712	229	54	38	28	262	988	274	213	3341	2937	ND	ND	ND	ND	37
Total Metals (ug/L)																						
Aluminum	NE	NA	107 UJ	NA	NA	174 UJ	NA	NA	118 UJ	NA	NA	NA	142 UJ	NA	NA	150 UJ	NA	NA	91.0 UJ	NA	NA	125 UJ
Antimony	3	NA	2.5 U	NA	NA	2.5 U	NA	NA	2.9 UJ	NA	NA	NA	2.5 U	NA	NA	2.6 UJ	NA	NA	2.5 U	NA	NA	2.5 U
Arsenic	25	NA	3.0 U	NA	NA	3.0 U	NA	NA	3.0 U	NA	NA	NA	3.0 U	NA	NA	3.0 U	NA	NA	3.0 U	NA	NA	3.0 U
Barium	1000	NA	33.9 J	NA	NA	13.3 UJ	NA	NA	36.1 J	NA	NA	NA	83.1 J	NA	NA	30.9 J	NA	NA	7.7 UJ	NA	NA	38.2 J
Beryllium	3*	NA	0.13 U	NA	NA	0.13 U	NA	NA	0.13 U	NA	NA	NA	0.13 U	NA	NA	0.13 U	NA	NA	0.13 U	NA	NA	0.13 U
Cadmium	5	NA	0.26 U	NA	NA	0.26 U	NA	NA	0.40 J	NA	NA	NA	0.26 U	NA	NA	0.80 J	NA	NA	0.26 U	NA	NA	0.26 U
Calcium	NE	NA	19000	NA	NA	13300	NA	NA	42200	NA	NA	NA	26400	NA	NA	15300	NA	NA	34700	NA	NA	53200
Chromium	50	NA	0.90 J	NA	NA	1.3 J	NA	NA	0.80 J	NA	NA	NA	0.80 J	NA	NA	0.60 J	NA	NA	1.0 J	NA	NA	0.70 J
Cobalt	NE	NA	0.76 U	NA	NA	0.76 U	NA	NA	5.6 J	NA	NA	NA	1.2 J	NA	NA	4.3 J	NA	NA	0.76 U	NA	NA	2.7 J
Copper	200	NA	0.90 J	NA	NA	1.6 J	NA	NA	0.80 J	NA	NA	NA	1.6 J	NA	NA	0.62 UJ	NA	NA	3.3 J	NA	NA	22.3 J
Iron	300	NA	67.3 J	NA	NA	210	NA	NA	12300	NA	NA	NA	67.7 J	NA	NA	24300	NA	NA	176	NA	NA	930
Lead	25	NA	2.1 U	NA	NA	2.3 J	NA	NA	2.1 U	NA	NA	NA	2.1 U	NA	NA	2.8 J	NA	NA	2.1 U	NA	NA	2.1 U
Magnesium	35000*	NA	3100 J	NA	NA	3720 J	NA	NA	5400	NA	NA	NA	4130 J	NA	NA	5000 J	NA	NA	4510 J	NA	NA	6830
Manganese	300	NA	3040	NA	NA	2630	NA	NA	291	NA	NA	NA	6410	NA	NA	12100	NA	NA	4.6 J	NA	NA	821
Nickel	100	NA	1.1 UJ	NA	NA	1.0 UJ	NA	NA	3.0 UJ	NA	NA	NA	14.0 J	NA	NA	0.82 U	NA	NA	2.8 UJ	NA	NA	20.0 J
Potassium	NE	NA	3010 J	NA	NA	2240 J	NA	NA	2820 J	NA	NA	NA	3680 J	NA	NA	1650 J	NA	NA	2540 J	NA	NA	4070 J
Selenium	10	NA	4.6 U	NA	NA	4.6 U	NA	NA	4.6 U	NA	NA	NA	5.7	NA	NA	4.6 U	NA	NA	17.0	NA	NA	4.6 U
Sodium	20000	NA	44000	NA	NA	17600	NA	NA	37000	NA	NA	NA	65400	NA	NA	27700	NA	NA	7670	NA	NA	57400
Vanadium	NE	NA	0.77 U	NA	NA	0.77 U	NA	NA	0.77 U	NA	NA	NA	0.77 U	NA	NA	0.77 U	NA	NA	22.4 J	NA	NA	0.77 U
Zinc	2000*	NA	8.7 UJ	NA	NA	13.5 UJ	NA	NA	9.9 UJ	NA	NA	NA	9.7 UJ	NA	NA	12.2 UJ	NA	NA	30.2	NA	NA	13.2 UJ

Table 3-15
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Operable Unit:		OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2
Sample Name:	NYS	OU2MW-30I	OU2MW-30I2	OU2MW-30I2	OU2MW-30I2	OU2MW-30I3	OU2MW-30I3	OU2MW-30I3	OU2MW-30D	Duplicate of: OU2MW-30D	OU2MW-30D	OU2MW-30D	OU2MW-30D2	OU2MW-30D2	OU2MW-30D2	OU2MW-31I	OU2MW-31I	OU2MW-31I	OU2MW-31I2	OU2MW-31I2	OU2MW-31I2	OU2MW-32S
Screened Interval:	AWQS	25-30 ft	30-35 ft	30-35 ft	30-35 ft	45-50 ft	45-50 ft	45-50 ft	50-55 ft	50-55 ft	50-55 ft	50-55 ft	60-65 ft	60-65 ft	60-65 ft	18-23 ft	18-23 ft	18-23 ft	30-35 ft	30-35 ft	30-35 ft	5-15 ft
Sample Date:		9/21/2009	7/21/2009	8/17/2009	9/21/2009	7/23/2009	8/17/2009	9/22/2009	7/21/2009	7/21/2009	8/19/2009	9/21/2009	7/21/2009	8/17/2009	9/21/2009	7/21/2009	8/19/2009	9/24/2009	7/21/2009	8/19/2009	9/24/2009	7/23/2009
Carcinogenic PAHs (ug/L)																						
Benz[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz[a,h]anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAHs (ug/L)																						
Total PAHs	NE	33	513	388	195	23	101	94	38	45	93	84	ND	182	15	ND	7	4	207	100	21	ND
Total Metals (ug/L)																						
Aluminum	NE	NA	NA	106 UJ	NA	NA	101 UJ	NA	NA	NA	133 UJ	NA	NA	159 UJ	NA	NA	117 UJ	NA	NA	124 UJ	NA	NA
Antimony	3	NA	NA	3.1 UJ	NA	NA	2.5 U	NA	NA	NA	2.5 U	NA	NA	4.0 UJ	NA	NA	3.1 UJ	NA	NA	2.5 U	NA	NA
Arsenic	25	NA	NA	3.0 U	NA	NA	3.0 U	NA	NA	NA	3.0 U	NA	NA	3.0 U	NA	NA	3.0 U	NA	NA	3.0 U	NA	NA
Barium	1000	NA	NA	42.3 J	NA	NA	35.2 J	NA	NA	NA	35.4 J	NA	NA	27.2 J	NA	NA	31.5 J	NA	NA	58.2 J	NA	NA
Beryllium	3*	NA	NA	0.13 U	NA	NA	0.13 U	NA	NA	NA	0.13 U	NA	NA	0.13 U	NA	NA	0.13 U	NA	NA	0.13 U	NA	NA
Cadmium	5	NA	NA	0.26 U	NA	NA	0.70 J	NA	NA	NA	0.26 U	NA	NA	0.50 J	NA	NA	0.26 U	NA	NA	0.50 J	NA	NA
Calcium	NE	NA	NA	44500	NA	NA	22100	NA	NA	NA	15600	NA	NA	11600	NA	NA	36400	NA	NA	26800	NA	NA
Chromium	50	NA	NA	0.80 J	NA	NA	0.80 J	NA	NA	NA	0.70 J	NA	NA	0.49 U	NA	NA	0.70 J	NA	NA	1.7 J	NA	NA
Cobalt	NE	NA	NA	1.0 J	NA	NA	1.9 J	NA	NA	NA	2.6 J	NA	NA	10.8 J	NA	NA	2.0 J	NA	NA	2.7 J	NA	NA
Copper	200	NA	NA	6.6 J	NA	NA	0.62 UJ	NA	NA	NA	1.0 J	NA	NA	2.0 J	NA	NA	4.2 J	NA	NA	2.6 J	NA	NA
Iron	300	NA	NA	32.0 UJ	NA	NA	286	NA	NA	NA	66.3 J	NA	NA	351	NA	NA	954	NA	NA	123	NA	NA
Lead	25	NA	NA	2.1 U	NA	NA	2.1 U	NA	NA	NA	2.1 U	NA	NA	3.3	NA	NA	2.1 U	NA	NA	2.1 U	NA	NA
Magnesium	35000*	NA	NA	6880	NA	NA	3580 J	NA	NA	NA	3350 J	NA	NA	3530 J	NA	NA	4350 J	NA	NA	6090	NA	NA
Manganese	300	NA	NA	987	NA	NA	5110	NA	NA	NA	2810	NA	NA	17100	NA	NA	390	NA	NA	3130	NA	NA
Nickel	100	NA	NA	17.9 J	NA	NA	2.8 UJ	NA	NA	NA	5.1 UJ	NA	NA	8.3 J	NA	NA	3.8 UJ	NA	NA	1.8 UJ	NA	NA
Potassium	NE	NA	NA	3150 J	NA	NA	3390 J	NA	NA	NA	3910 J	NA	NA	2090 J	NA	NA	4440 J	NA	NA	3800 J	NA	NA
Selenium	10	NA	NA	4.6 U	NA	NA	4.6 U	NA	NA	NA	4.6 U	NA	NA	5.6	NA	NA	4.6 U	NA	NA	4.6 U	NA	NA
Sodium	20000	NA	NA	61800	NA	NA	63300	NA	NA	NA	73000	NA	NA	45300	NA	NA	56300	NA	NA	63600	NA	NA
Vanadium	NE	NA	NA	0.77 U	NA	NA	0.77 U	NA	NA	NA	0.77 U	NA	NA	0.77 U	NA	NA	0.77 U	NA	NA	0.77 U	NA	NA
Zinc	2000*	NA	NA	10.2 UJ	NA	NA	12.3 UJ	NA	NA	NA	8.9 UJ	NA	NA	11.6 UJ	NA	NA	9.1 UJ	NA	NA	8.3 UJ	NA	NA

Table 3-15
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Operable Unit:		OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2
Sample Name:	NYS	OU2MW-32S	OU2MW-32S	OU2MW-32I	OU2MW-32I	OU2MW-32I	OU2MW-32I2	OU2MW-32I2	Duplicate of: OU2MW-32I2	OU2MW-32I2	OU2MW-32D	OU2MW-32D	OU2MW-32D	OU2MW-33S	OU2MW-33I	OU2MW-33I2	OU2MW-33D	OU2MW-34S	OU2MW-34I	OU2MW-34I2	OU2MW-35S	OU2MW-35S
Screened Interval:	AWQS	5-15 ft	5-15 ft	20-25 ft	20-25 ft	20-25 ft	30-35 ft	30-35 ft	30-35 ft	30-35 ft	40-45 ft	40-45 ft	40-45 ft	5-15 ft	25-30 ft	35-40 ft	50-55 ft	5-15 ft	25-30 ft	45-50 ft	5-15 ft	5-15 ft
Sample Date:		8/21/2009	9/23/2009	7/23/2009	8/21/2009	9/23/2009	7/23/2009	8/19/2009	8/19/2009	9/23/2009	7/23/2009	8/19/2009	9/23/2009	8/13/2009	8/13/2009	8/13/2009	8/13/2009	9/4/2009	9/4/2009	9/4/2009	7/9/2009	8/12/2009
Carcinogenic PAHs (ug/L)																						
Benz[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz[a,h]anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAHs (ug/L)																						
Total PAHs	NE	ND	ND	3865	3954	4621	107	289	289	94	22	22	10	ND	39	4	ND	ND	153	ND	ND	ND
Total Metals (ug/L)																						
Aluminum	NE	130 UJ	NA	NA	99.9 UJ	NA	NA	96.1 UJ	NA	NA	NA	104 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	2.7 UJ	NA	NA	3.5 UJ	NA	NA	3.0 UJ	NA	NA	NA	2.5 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	3.0 U	NA	NA	3.0 U	NA	NA	3.0 U	NA	NA	NA	3.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	27.2 J	NA	NA	24.9 J	NA	NA	38.6 J	NA	NA	NA	36.7 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	0.13 U	NA	NA	0.13 U	NA	NA	0.13 U	NA	NA	NA	0.13 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	0.26 U	NA	NA	1.3 J	NA	NA	0.80 J	NA	NA	NA	0.40 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	37400	NA	NA	47300	NA	NA	30500	NA	NA	NA	19800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	0.90 J	NA	NA	0.49 U	NA	NA	0.50 J	NA	NA	NA	0.90 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	0.76 U	NA	NA	0.76 U	NA	NA	11.2 J	NA	NA	NA	12.3 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	1.2 J	NA	NA	0.62 UJ	NA	NA	0.62 UJ	NA	NA	NA	0.62 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	70.8 J	NA	NA	38800	NA	NA	17800	NA	NA	NA	1610	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	2.1 U	NA	NA	2.1 U	NA	NA	2.1 U	NA	NA	NA	2.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	5830	NA	NA	5800	NA	NA	3020 J	NA	NA	NA	2340 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	37.0	NA	NA	545	NA	NA	824	NA	NA	NA	2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	1.3 UJ	NA	NA	0.82 U	NA	NA	0.82 U	NA	NA	NA	3.6 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	3050 J	NA	NA	4000 J	NA	NA	3170 J	NA	NA	NA	2920 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	4.6 U	NA	NA	4.6 U	NA	NA	4.6 U	NA	NA	NA	4.6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	61200	NA	NA	43900	NA	NA	48600	NA	NA	NA	35000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	0.77 U	NA	NA	0.77 U	NA	NA	0.77 U	NA	NA	NA	0.77 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	11.7 UJ	NA	NA	27.8	NA	NA	10.0 UJ	NA	NA	NA	15.9 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 3-15
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Operable Unit:		OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	
Sample Name:	NYS	OU2MW-35S	OU2MW-35I	OU2MW-35I	OU2MW-35I	OU2MW-35I2	OU2MW-35I2	OU2MW-35I2	OU2MW-35D	OU2MW-35D	OU2MW-35D	OU2MW-36S	Duplicate of: OU2MW-36S	OU2MW-36S	OU2MW-36S	OU2MW-36I	OU2MW-36I	OU2MW-36I	OU2MW-36I2	OU2MW-36I2	OU2MW-36I2
Screened Interval:	AWQS	5-15 ft	25-30 ft	25-30 ft	25-30 ft	45-50 ft	45-50 ft	45-50 ft	57-62 ft	57-62 ft	57-62 ft	5-15 ft	5-15 ft	5-15 ft	5-15 ft	25-30 ft	25-30 ft	25-30 ft	45-50 ft	45-50 ft	45-50 ft
Sample Date:		9/16/2009	7/9/2009	8/12/2009	9/16/2009	7/9/2009	8/12/2009	9/16/2009	7/9/2009	8/12/2009	9/16/2009	7/6/2009	7/6/2009	8/12/2009	9/17/2009	7/8/2009	8/12/2009	9/16/2009	7/7/2009	8/12/2009	9/15/2009
Carcinogenic PAHs (ug/L)																					
Benz[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzof[a]pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzof[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzof[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz[a,h]anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAHs (ug/L)																					
Total PAHs	NE ND	ND	ND	ND	ND	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Metals (ug/L)																					
Aluminum	NE	17.7 U	NA	NA	17.7 U	NA	NA	17.7 U	NA	NA	38.2 UJ	NA	NA	NA	17.7 U	NA	NA	17.7 U	NA	NA	17.7 U
Antimony	3	2.1 U	NA	NA	2.1 U	NA	NA	2.1 U	NA	NA	2.1 U	NA	NA	NA	2.1 U	NA	NA	2.1 U	NA	NA	2.1 U
Arsenic	25	2.3 U	NA	NA	2.3 U	NA	NA	2.3 U	NA	NA	2.3 U	NA	NA	NA	2.3 U	NA	NA	2.3 U	NA	NA	2.3 U
Barium	1000	13.6 J	NA	NA	26.4 J	NA	NA	19.2 J	NA	NA	85.1 J	NA	NA	NA	16.6 J	NA	NA	52.2 J	NA	NA	17.3 J
Beryllium	3*	0.26 U	NA	NA	0.26 U	NA	NA	0.26 U	NA	NA	0.26 U	NA	NA	NA	0.26 U	NA	NA	0.26 U	NA	NA	0.26 U
Cadmium	5	0.34 U	NA	NA	0.34 U	NA	NA	0.34 U	NA	NA	0.34 U	NA	NA	NA	0.34 U	NA	NA	0.35 J	NA	NA	1.0 J
Calcium	NE	38300	NA	NA	46400	NA	NA	9930	NA	NA	18000	NA	NA	NA	35600	NA	NA	23000	NA	NA	9090
Chromium	50	0.50 J	NA	NA	0.44 U	NA	NA	0.59 J	NA	NA	0.92 J	NA	NA	NA	0.47 J	NA	NA	0.44 U	NA	NA	0.44 U
Cobalt	NE	1.2 U	NA	NA	1.5 J	NA	NA	11.6 J	NA	NA	3.0 J	NA	NA	NA	1.2 U	NA	NA	1.3 J	NA	NA	39.3 J
Copper	200	2.1 J	NA	NA	12.2 J	NA	NA	0.83 U	NA	NA	2.7 J	NA	NA	NA	1.8 J	NA	NA	2.1 J	NA	NA	0.83 U
Iron	300	67.4 J	NA	NA	146	NA	NA	21.7 UJ	NA	NA	1370	NA	NA	NA	19.3 UJ	NA	NA	161	NA	NA	243
Lead	25	1.8 U	NA	NA	1.8 U	NA	NA	1.8 U	NA	NA	1.8 U	NA	NA	NA	1.8 U	NA	NA	1.8 U	NA	NA	1.8 U
Magnesium	35000*	5020	NA	NA	6780	NA	NA	4070 J	NA	NA	7740	NA	NA	NA	2630 J	NA	NA	3670 J	NA	NA	3290 J
Manganese	300	15.2	NA	NA	223	NA	NA	455	NA	NA	724	NA	NA	NA	1.0 J	NA	NA	4470	NA	NA	980
Nickel	100	1.4 U	NA	NA	2.3 J	NA	NA	4.7 J	NA	NA	4.5 J	NA	NA	NA	1.4 U	NA	NA	1.4 U	NA	NA	6.3 J
Potassium	NE	2840 J	NA	NA	5530	NA	NA	1680 J	NA	NA	2490 J	NA	NA	NA	2840 J	NA	NA	5180	NA	NA	1250 J
Selenium	10	2.5 U	NA	NA	2.5 U	NA	NA	2.5 U	NA	NA	2.5 U	NA	NA	NA	2.5 U	NA	NA	3.8 J	NA	NA	2.5 U
Sodium	20000	48100	NA	NA	59700	NA	NA	51000	NA	NA	50100	NA	NA	NA	31600	NA	NA	76800	NA	NA	48200
Vanadium	NE	1.8 J	NA	NA	1.4 U	NA	NA	1.4 U	NA	NA	1.4 U	NA	NA	NA	1.4 U	NA	NA	1.4 U	NA	NA	1.4 U
Zinc	2000*	19.5 J	NA	NA	23.5	NA	NA	18.5 J	NA	NA	24.5	NA	NA	NA	9.0 J	NA	NA	2.4 J	NA	NA	16.4 J

Table 3-15
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Operable Unit:		OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2
Sample Name:	NYS	OU2MW-36D	OU2MW-36D	OU2MW-36D	OU2MW-37S	OU2MW-37S	OU2MW-37S	OU2MW-37I	OU2MW-37I	OU2MW-37I	OU2MW-37I2	OU2MW-37I2	OU2MW-37I2	OU2MW-37D	OU2MW-37D	OU2MW-37D	OU2MW-38S	OU2MW-38I	OU2MW-38I2	OU2MW-38D	OU2MW-39S	OU2MW-39S
Screened Interval:	AWQS	61-66 ft	61-66 ft	61-66 ft	5-15 ft	5-15 ft	5-15 ft	25-30 ft	25-30 ft	25-30 ft	45-50 ft	45-50 ft	45-50 ft	67-72 ft	67-72 ft	67-72 ft	5-15 ft	25-30 ft	46-51 ft	56-61 ft	5-15 ft	5-15 ft
Sample Date:		7/7/2009	8/12/2009	9/14/2009	7/8/2009	8/11/2009	9/17/2009	7/8/2009	8/11/2009	9/17/2009	7/8/2009	8/11/2009	9/17/2009	7/8/2009	8/11/2009	9/17/2009	9/1/2009	9/1/2009	9/1/2009	9/1/2009	7/7/2009	8/11/2009
Carcinogenic PAHs (ug/L)																						
Benz[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz[a,h]anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAHs (ug/L)																						
Total PAHs	NE ND	ND	ND	ND	ND	ND	ND	22	14	23	ND	1	ND	ND	ND	ND	ND	ND	61	ND	ND	ND
Total Metals (ug/L)																						
Aluminum	NE NA	NA	17.7 U	NA	NA	17.7 U	NA	NA	137 UJ	NA	NA	17.7 U	NA	NA	78.8 UJ	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	2.1 U	NA	NA	4.5 UJ	NA	NA	2.1 U	NA	NA	2.1 U	NA	NA	3.8 UJ	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	6.9 J	NA	NA	2.3 U	NA	NA	2.3 U	NA	NA	2.3 U	NA	NA	2.3 U	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	62.3 J	NA	NA	9.3 J	NA	NA	41.2 J	NA	NA	104 J	NA	NA	31.9 J	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	0.26 U	NA	NA	0.28 UJ	NA	NA	0.26 U	NA	NA	0.26 U	NA	NA	0.54 UJ	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	0.34 U	NA	NA	0.34 U	NA	NA	0.34 U	NA	NA	0.34 U	NA	NA	0.34 U	NA	NA	NA	NA	NA	NA	NA
Calcium	NE NA	NA	20700	NA	NA	39700	NA	NA	36100	NA	NA	14000	NA	NA	32300	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	0.44 U	NA	NA	0.77 J	NA	NA	0.44 U	NA	NA	0.44 U	NA	NA	0.58 J	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE NA	NA	3.1 J	NA	NA	1.2 U	NA	NA	1.2 U	NA	NA	3.4 J	NA	NA	2.2 J	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	0.83 U	NA	NA	2.8 J	NA	NA	1.7 J	NA	NA	0.83 U	NA	NA	0.83 U	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	29800	NA	NA	34.4 J	NA	NA	251	NA	NA	20.6 UJ	NA	NA	24400	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	1.8 U	NA	NA	1.8 U	NA	NA	1.8 U	NA	NA	1.8 U	NA	NA	1.8 U	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	8130	NA	NA	4370 J	NA	NA	5520	NA	NA	3410 J	NA	NA	10500	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	604	NA	NA	2.9 J	NA	NA	1090	NA	NA	1950	NA	NA	749	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	2.0 J	NA	NA	1.4 J	NA	NA	1.4 U	NA	NA	3.0 J	NA	NA	1.4 U	NA	NA	NA	NA	NA	NA	NA
Potassium	NE NA	NA	2180 J	NA	NA	3810 J	NA	NA	3370 J	NA	NA	5780	NA	NA	2710 J	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	2.5 U	NA	NA	2.5 U	NA	NA	2.5 U	NA	NA	2.5 U	NA	NA	2.5 U	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	36500	NA	NA	32300	NA	NA	65800	NA	NA	51700	NA	NA	80100	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE NA	NA	1.5 J	NA	NA	1.4 U	NA	NA	1.4 U	NA	NA	1.4 U	NA	NA	1.4 U	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	11.6 J	NA	NA	16.6 J	NA	NA	8.4 J	NA	NA	9.9 J	NA	NA	15.3 J	NA	NA	NA	NA	NA	NA	NA

Table 3-15
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Operable Unit:		OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2		
Sample Name:	NYS	OU2MW-39S	OU2MW-39I	OU2MW-39I	OU2MW-39I	OU2MW-39I2	OU2MW-39I2	OU2MW-39I2	OU2MW-39D	OU2MW-39D	OU2MW-39D	Duplicate of: OU2MW-39D	OU2MW-40S	OU2MW-40I	OU2MW-41S	Duplicate of: OU2MW-41S	OU2MW-41I	OU2MW-42S	OU2MW-42S	Duplicate of: OU2MW-42S	OU2MW-42S	OU2MW-42I	OU2MW-42I		
Screened Interval:	AWQS	5-15 ft	25-30 ft	25-30 ft	25-30 ft	45-50 ft	45-50 ft	45-50 ft	70-75 ft	70-75 ft	70-75 ft	70-75 ft	5-15 ft	18-23 ft	5-15 ft	5-15 ft	18-23 ft	5-15 ft	5-15 ft	5-15 ft	5-15 ft	25-30 ft	25-30 ft	25-30 ft	
Sample Date:		9/14/2009	7/7/2009	8/11/2009	9/14/2009	7/7/2009	8/11/2009	9/14/2009	7/7/2009	8/11/2009	9/14/2009	9/14/2009	8/20/2009	8/20/2009	8/20/2009	8/20/2009	8/20/2009	7/6/2009	8/11/2009	8/11/2009	9/15/2009	7/6/2009	8/12/2009	9/15/2009	
Carcinogenic PAHs (ug/L)																									
Benz[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo[a]pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Dibenz[a,h]anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Total PAHs (ug/L)																									
Total PAHs	NE	ND	ND	ND	ND	73	134	130	ND	ND	ND	ND	ND	ND	25	ND	ND	774	ND	5	8	ND	ND	1	ND
Total Metals (ug/L)																									
Aluminum	NE	17.7 U	NA	NA	26.2 UJ	NA	NA	26.4 UJ	NA	NA	21.8 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA	17.7 U	NA	NA	17.7 U	
Antimony	3	2.1 U	NA	NA	2.2 UJ	NA	NA	2.1 U	NA	NA	2.6 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	NA	NA	2.1 U	
Arsenic	25	2.3 U	NA	NA	2.3 U	NA	NA	2.3 U	NA	NA	2.3 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.7 J	NA	NA	2.3 U	
Barium	1000	8.2 J	NA	NA	85.6 J	NA	NA	57.0 J	NA	NA	110 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.1 J	NA	NA	34.6 J	
Beryllium	3*	0.26 U	NA	NA	0.26 U	NA	NA	0.26 U	NA	NA	0.64 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.26 U	NA	NA	0.26 U	
Cadmium	5	0.34 U	NA	NA	0.34 U	NA	NA	0.34 U	NA	NA	0.34 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.34 U	NA	NA	0.34 U	
Calcium	NE	25100	NA	NA	57900	NA	NA	10600	NA	NA	34500 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	62700	NA	NA	73700	
Chromium	50	0.46 J	NA	NA	0.44 U	NA	NA	0.44 U	NA	NA	0.81 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.44 U	NA	NA	0.44 U	
Cobalt	NE	1.2 U	NA	NA	1.2 U	NA	NA	3.3 J	NA	NA	1.2 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.0 J	NA	NA	1.2 J	
Copper	200	2.7 J	NA	NA	3.3 J	NA	NA	1.7 J	NA	NA	0.83 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.9 J	NA	NA	11.4 J	
Iron	300	25.0 J	NA	NA	101	NA	NA	5070	NA	NA	22900	NA	NA	NA	NA	NA	NA	NA	NA	NA	12800	NA	NA	321	
Lead	25	1.8 U	NA	NA	1.8 U	NA	NA	1.8 U	NA	NA	1.8 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.8 U	NA	NA	1.8 U	
Magnesium	35000*	3740 J	NA	NA	10700	NA	NA	3680 J	NA	NA	13100	NA	NA	NA	NA	NA	NA	NA	NA	NA	7280	NA	NA	9220	
Manganese	300	7.8 J	NA	NA	656	NA	NA	343	NA	NA	551	NA	NA	NA	NA	NA	NA	NA	NA	NA	136	NA	NA	720	
Nickel	100	1.4 U	NA	NA	1.7 J	NA	NA	2.1 J	NA	NA	2.0 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.0 J	NA	NA	3.4 J	
Potassium	NE	2870 J	NA	NA	6790	NA	NA	1930 J	NA	NA	2410 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	5590	NA	NA	4650 J	
Selenium	10	2.5 U	NA	NA	2.5 U	NA	NA	2.5 U	NA	NA	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	NA	NA	2.5 U	
Sodium	20000	59000	NA	NA	92600	NA	NA	48400	NA	NA	65000	NA	NA	NA	NA	NA	NA	NA	NA	NA	45800	NA	NA	90500	
Vanadium	NE	1.4 U	NA	NA	1.4 U	NA	NA	1.4 U	NA	NA	1.5 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.6 J	NA	NA	1.4 U	
Zinc	2000*	17.7 J	NA	NA	14.8 J	NA	NA	29.5	NA	NA	11.3 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	19.3 J	NA	NA	10.7 J	

Table 3-15
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Operable Unit:		OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	
Sample Name:	NYS	OU2MW-42I2	OU2MW-42I2	OU2MW-42I2	OU2MW-42D	OU2MW-42D	OU2MW-42D	OU2MW-45S	OU2MW-45S	OU2MW-45S	OU2MW-45I	OU2MW-45I	OU2MW-45I	OU2MW-45I2	OU2MW-45I2	Duplicate of: OU2MW-45I2	OU2MW-45I2	OU2MW-45D	OU2MW-45D	OU2MW-45D	OU2MW-45D	Duplicate of: OU2MW-45D	OU2MW-46S
Screened Interval:	AWQS	45-50 ft	45-50 ft	45-50 ft	60-65 ft	60-65 ft	60-65 ft	5-15 ft	5-15 ft	5-15 ft	20-25 ft	20-25 ft	20-25 ft	40-45 ft	40-45 ft	40-45 ft	40-45 ft	55-60 ft	55-60 ft	55-60 ft	55-60 ft	55-60 ft	5-15 ft
Sample Date:		7/6/2009	8/12/2009	9/15/2009	7/6/2009	8/11/2009	9/15/2009	7/27/2009	8/24/2009	9/29/2009	7/27/2009	8/24/2009	9/29/2009	7/28/2009	8/24/2009	8/24/2009	9/29/2009	7/28/2009	8/24/2009	9/29/2009	9/29/2009	9/29/2009	7/27/2009
Carcinogenic PAHs (ug/L)																							
Benzo[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz[a,h]anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAHs (ug/L)																							
Total PAHs	NE ND	ND	ND	3	67	185	ND	ND	5	23	5	1	ND	ND	ND	ND	ND	ND	ND	2	2	ND	ND
Total Metals (ug/L)																							
Aluminum	NE NA	NA	17.7 U	NA	NA	2850	NA	NA	129 J	NA	NA	20.1 UJ	NA	NA	NA	41.7 UJ	NA	NA	NA	38.1 UJ	NA	NA	NA
Antimony	3	NA	2.1 U	NA	NA	2.1 U	NA	NA	2.1 U	NA	NA	2.1 U	NA	NA	NA	2.1 U	NA	NA	NA	2.1 U	NA	NA	NA
Arsenic	25	NA	2.3 U	NA	NA	2.3 U	NA	NA	2.3 U	NA	NA	2.3 U	NA	NA	NA	2.3 U	NA	NA	NA	2.3 U	NA	NA	NA
Barium	1000	NA	20.1 J	NA	NA	27.2 J	NA	NA	4.2 J	NA	NA	24.3 J	NA	NA	NA	38.3 J	NA	NA	NA	12.1 J	NA	NA	NA
Beryllium	3*	NA	0.26 U	NA	NA	1.4 UJ	NA	NA	0.26 U	NA	NA	0.26 U	NA	NA	NA	0.26 U	NA	NA	NA	0.39 J	NA	NA	NA
Cadmium	5	NA	0.34 U	NA	NA	0.34 U	NA	NA	0.34 UJ	NA	NA	0.34 UJ	NA	NA	NA	0.34 UJ	NA	NA	NA	0.34 UJ	NA	NA	NA
Calcium	NE NA	NA	10100	NA	NA	65000	NA	NA	24200	NA	NA	21200	NA	NA	NA	22000	NA	NA	NA	8110	NA	NA	NA
Chromium	50	NA	0.65 J	NA	NA	2.0 J	NA	NA	0.64 J	NA	NA	0.44 U	NA	NA	NA	1.2 J	NA	NA	NA	1.3 J	NA	NA	NA
Cobalt	NE NA	NA	7.8 J	NA	NA	14.0 J	NA	NA	1.2 U	NA	NA	1.2 U	NA	NA	NA	1.2 U	NA	NA	NA	1.6 J	NA	NA	NA
Copper	200	NA	1.3 J	NA	NA	31.7	NA	NA	1.6 J	NA	NA	0.83 U	NA	NA	NA	0.99 J	NA	NA	NA	0.83 U	NA	NA	NA
Iron	300	NA	45.3 J	NA	NA	11200	NA	NA	7360	NA	NA	4340	NA	NA	NA	140	NA	NA	NA	43.4 J	NA	NA	NA
Lead	25	NA	1.8 U	NA	NA	1.8 U	NA	NA	1.8 U	NA	NA	1.8 U	NA	NA	NA	8.8	NA	NA	NA	1.8 J	NA	NA	NA
Magnesium	35000*	NA	2980 J	NA	NA	22700	NA	NA	3720 J	NA	NA	3020 J	NA	NA	NA	4190 J	NA	NA	NA	1760 J	NA	NA	NA
Manganese	300	NA	1970	NA	NA	2790	NA	NA	151	NA	NA	642	NA	NA	NA	11100	NA	NA	NA	5720	NA	NA	NA
Nickel	100	NA	3.8 J	NA	NA	36.0 J	NA	NA	1.4 U	NA	NA	1.4 U	NA	NA	NA	1.4 U	NA	NA	NA	1.4 U	NA	NA	NA
Potassium	NE NA	NA	2710 J	NA	NA	4660 J	NA	NA	2070 J	NA	NA	4960 J	NA	NA	NA	3460 J	NA	NA	NA	1840 J	NA	NA	NA
Selenium	10	NA	2.5 U	NA	NA	2.5 U	NA	NA	2.5 U	NA	NA	2.5 U	NA	NA	NA	2.5 U	NA	NA	NA	2.5 U	NA	NA	NA
Sodium	20000	NA	30400	NA	NA	148000	NA	NA	14300 J	NA	NA	36900 J	NA	NA	NA	39000 J	NA	NA	NA	15400 J	NA	NA	NA
Vanadium	NE NA	NA	1.4 U	NA	NA	1.4 U	NA	NA	1.4 U	NA	NA	1.4 U	NA	NA	NA	1.4 U	NA	NA	NA	1.4 U	NA	NA	NA
Zinc	2000*	NA	7.3 J	NA	NA	77.4	NA	NA	18.7 J	NA	NA	74.5 J	NA	NA	NA	205 J	NA	NA	NA	24.7 J	NA	NA	NA

Table 3-15
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Operable Unit:		OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2
Sample Name:	NYS	OU2MW-46S	OU2MW-46S	OU2MW-46I	OU2MW-46I	OU2MW-46I	OU2MW-46I2	OU2MW-46I2	OU2MW-46I2	OU2MW-47S	Duplicate of: OU2MW-47S	OU2MW-47S	OU2MW-47S	OU2MW-47I	OU2MW-47I	OU2MW-47I	OU2MW-47I2	OU2MW-47I2	OU2MW-47I2	OU2MW-47D	OU2MW-47D	OU2MW-47D
Screened Interval:	AWQS	5-15 ft	5-15 ft	20-25 ft	20-25 ft	20-25 ft	40-45 ft	40-45 ft	40-45 ft	5-15 ft	5-15 ft	5-15 ft	5-15 ft	20-25 ft	20-25 ft	20-25 ft	40-45 ft	40-45 ft	40-45 ft	60-65 ft	60-65 ft	60-65 ft
Sample Date:		8/26/2009	9/30/2009	7/27/2009	8/26/2009	9/30/2009	7/27/2009	8/26/2009	9/30/2009	7/28/2009	7/28/2009	8/26/2009	9/30/2009	7/28/2009	8/24/2009	9/30/2009	7/28/2009	8/26/2009	9/30/2009	7/28/2009	8/24/2009	9/29/2009
Carcinogenic PAHs (ug/L)																						
Benz[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz[a,h]anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAHs (ug/L)																						
Total PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3	8	31	4577	5147	3906
Total Metals (ug/L)																						
Aluminum	NE	NA	41.2 UJ	NA	NA	31.4 UJ	NA	NA	27.1 UJ	NA	NA	NA	32.2 UJ	NA	NA	21.7 UJ	NA	NA	31.5 UJ	NA	NA	31.6 UJ
Antimony	3	NA	2.1 U	NA	NA	2.1 U	NA	NA	2.1 U	NA	NA	NA	2.1 U	NA	NA	2.1 U	NA	NA	2.1 U	NA	NA	2.1 U
Arsenic	25	NA	2.3 U	NA	NA	2.3 U	NA	NA	2.3 U	NA	NA	NA	2.3 U	NA	NA	2.3 U	NA	NA	2.3 U	NA	NA	2.3 U
Barium	1000	NA	36.0 J	NA	NA	34.4 J	NA	NA	30.8 J	NA	NA	NA	24.3 J	NA	NA	19.2 J	NA	NA	85.1 J	NA	NA	48.8 J
Beryllium	3*	NA	0.26 U	NA	NA	0.26 U	NA	NA	0.26 U	NA	NA	NA	0.26 U	NA	NA	0.26 U	NA	NA	0.26 U	NA	NA	0.26 U
Cadmium	5	NA	0.34 UJ	NA	NA	0.34 UJ	NA	NA	0.34 UJ	NA	NA	NA	0.34 UJ	NA	NA	0.34 UJ	NA	NA	0.34 UJ	NA	NA	0.34 UJ
Calcium	NE	NA	58100	NA	NA	91700	NA	NA	16100	NA	NA	NA	22600	NA	NA	28600	NA	NA	24000	NA	NA	23400
Chromium	50	NA	0.44 U	NA	NA	0.44 J	NA	NA	0.60 J	NA	NA	NA	0.48 J	NA	NA	0.44 U	NA	NA	1.4 J	NA	NA	0.50 J
Cobalt	NE	NA	1.2 U	NA	NA	1.2 U	NA	NA	3.2 J	NA	NA	NA	1.2 U	NA	NA	1.2 U	NA	NA	9.0 J	NA	NA	23.4 J
Copper	200	NA	3.6 J	NA	NA	9.1 J	NA	NA	0.83 U	NA	NA	NA	2.6 J	NA	NA	1.2 J	NA	NA	5.6 J	NA	NA	1.8 J
Iron	300	NA	86.7 J	NA	NA	48.5 J	NA	NA	26.7 J	NA	NA	NA	24.7 J	NA	NA	20.0 J	NA	NA	21.4 J	NA	NA	992
Lead	25	NA	2.1 J	NA	NA	1.8 U	NA	NA	1.8 U	NA	NA	NA	1.8 U	NA	NA	1.8 U	NA	NA	2.6 J	NA	NA	1.8 U
Magnesium	35000*	NA	7590	NA	NA	11100	NA	NA	3220 J	NA	NA	NA	3780 J	NA	NA	4140 J	NA	NA	4470 J	NA	NA	9610
Manganese	300	NA	107	NA	NA	293	NA	NA	6220	NA	NA	NA	29.3	NA	NA	289	NA	NA	18900	NA	NA	4000
Nickel	100	NA	1.4 U	NA	NA	4.9 J	NA	NA	3.4 J	NA	NA	NA	1.4 U	NA	NA	1.4 U	NA	NA	3.6 J	NA	NA	51.0
Potassium	NE	NA	6380	NA	NA	8440	NA	NA	2750 J	NA	NA	NA	1540 J	NA	NA	2170 J	NA	NA	4900 J	NA	NA	2750 J
Selenium	10	NA	4.3 J	NA	NA	2.5 U	NA	NA	2.5 U	NA	NA	NA	2.5 U	NA	NA	2.5 U	NA	NA	3.0 J	NA	NA	2.5 U
Sodium	20000	NA	71800 J	NA	NA	48300 J	NA	NA	39500 J	NA	NA	NA	27400 J	NA	NA	40400 J	NA	NA	69100 J	NA	NA	66000 J
Vanadium	NE	NA	1.4 U	NA	NA	1.4 U	NA	NA	1.4 U	NA	NA	NA	4.3 J	NA	NA	1.4 U	NA	NA	1.4 U	NA	NA	1.4 U
Zinc	2000*	NA	3.2 J	NA	NA	1.8 J	NA	NA	1.1 UJ	NA	NA	NA	33.6 J	NA	NA	16.8 J	NA	NA	1.1 UJ	NA	NA	2.0 J

Table 3-15
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Operable Unit:		OU2	OU2	OU2	OU2	OU2	OU2	OU2
Sample Name:	NYS	OU2MW-52S	Duplicate of: OU2MW-52S	OU2MW-52I	OU2MW-52D	OU2MW-53S	OU2MW-53I	OU2MW-53D
Screened Interval:	AWQS	3-8 ft	3-8 ft	20-25 ft	35-40 ft	3-8 ft	20-25 ft	35-40 ft
Sample Date:		8/24/2009	8/24/2009	8/24/2009	8/24/2009	8/20/2009	8/20/2009	8/20/2009
BTEX (ug/L)								
Benzene	1	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U
Toluene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene, m,p-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene, o-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total BTEX	NE	ND	ND	ND	ND	ND	ND	ND
Other VOCs (ug/L)								
Acetaldehyde	8*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	50*	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U
Bromodichloromethane	50*	10 U	10 U	10 U	10 U	10 U	6	10 U
Bromomethane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Butanone, 2-	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon disulfide	60*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	7	10 U	10 U	10 U	10 U	10 U	16	10 U
Chloromethane	5	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Cyclohexane	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	50*	10 UJ	10 U	10 U	10 UJ	10 UJ	3 J	10 UJ
Dichlorobenzene, 1,2-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene, 1,4-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	5	10 UJ	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ
Dichloroethane, 1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethane, 1,2-	0.6	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene, 1,1-	0.07	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene, cis-1,2-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloropropane, 1,2-	1	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Dioxane, 1,4-	NE	R	R	R	R	R	R	R
Ethanol	NE	R	R	R	R	R	R	R
Hexachlorobutadiene	0.5	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ
Hexane, n-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isopropyl benzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl tert-butyl ether	10*	10 U	10 UJ	10 UJ	24	10 U	10 U	6
Methylene chloride	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Propanol, 2-	NE	R	R	R	R	R	R	R
Propylbenzene, n-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	5	10 U	10 U	10 U	1 J	10 U	10 U	10 U
Tetrahydrofuran	50*	10 UJ	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ
Trichloroethane, 1,1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene 1,3,5-/P-ethyltoluene	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Trimethylbenzene, 1,2,4-	5	10 UJ	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ
Trimethylpentane, 2,2,4-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Non-carcinogenic PAHs (ug/L)								
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[g,h,i]perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylnaphthalene, 2-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U

Table 3-15
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Operable Unit:		OU2	OU2	OU2	OU2	OU2	OU2	OU2
Sample Name:	NYS	OU2MW-52S	Duplicate of: OU2MW-52S	OU2MW-52I	OU2MW-52D	OU2MW-53S	OU2MW-53I	OU2MW-53D
Screened Interval:	AWQS	3-8 ft	3-8 ft	20-25 ft	35-40 ft	3-8 ft	20-25 ft	35-40 ft
Sample Date:		8/24/2009	8/24/2009	8/24/2009	8/24/2009	8/20/2009	8/20/2009	8/20/2009
Carcinogenic PAHs (ug/L)								
Benz[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz[a,h]anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAHs (ug/L)								
Total PAHs	NE	ND	ND	ND	ND	ND	ND	ND
Total Metals (ug/L)								
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA

Table 3-16
 Summary of Total BTEX Statistical Trends
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Location	Well ID	Number of Data Points	Number of Non-Detects	Median Value	Mann - Kendall Statistic (S)	Probability	Trend (At 90% Significant Level)	
33 North Clinton Avenue	Upgradient	OU2MW-17I	7	2	80	4	0.5434	No Trend
		OU2MW-18I	6	0	5473.5	-5	0.3476	No Trend
	Downgradient	OU2MW-22I	4	0	141.5	-2	0.4969	No Trend
		OU2MW-22S	4	3	0.1	-1	0.6547	No Trend
		OU2MW-23I	4	0	1095	0	1.0000	No Trend
		OU2MW-24I	4	0	1175	-6	0.0415	Decreasing
		OU2MW-24S	4	3	0.1	-1	0.6547	No Trend
		OU2MW-25I	4	0	131.5	-2	0.4969	No Trend
		OU2MW-35I	8	5	0.1	-16	0.0218	Decreasing
		OU2MW-35S	8	5	0.1	-16	0.0218	Decreasing
		OU2MW-36I	8	4	4.55	-22	0.0035	Decreasing
		OU2MW-37I	8	0	356	0	1.0000	No Trend
		OU2MW-37I2	8	7	0.1	-3	0.5127	No Trend
		OU2MW-37S	8	6	0.1	5	0.4111	No Trend
		OU2MW-38I	4	0	222	0	1.0000	No Trend
		OU2MW-38S	4	3	0.1	-1	0.6547	No Trend
		OU2MW-39I	8	6	0.1	-3	0.6219	No Trend
		OU2MW-39I2	8	3	1	17	0.0277	Decreasing
OU2MW-39S	8	7	0.1	-1	0.8273	No Trend		
34 North Clinton Avenue	Upgradient	OU2MW-19D	5	0	341	-6	0.1416	No Trend
		OU2MW-19I	6	0	868.5	-5	0.3476	No Trend
		OU2MW-19I2	6	0	107.5	-13	0.0146	Decreasing
		OU2MW-20I	6	0	485	-5	0.3476	No Trend
		OU2MW-20I2	6	5	0.1	-5	0.1432	No Trend
		OU2MW-20S	6	5	0.1	-3	0.3798	No Trend

Table 3-16
 Summary of Total BTEX Statistical Trends
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Location	Well ID	Number of Data Points	Number of Non-Detects	Median Value	Mann - Kendall Statistic (S)	Probability	Trend (At 90% Significant Level)	
34 North Clinton Avenue	Downgradient	BBMW-24D	5	0	22	8	0.0500	Increasing
		BBMW-24I	5	2	10	7	0.0770	Increasing
		BBMW-24S	5	4	0.1	-4	0.1573	No Trend
		OU2MW-21I	6	0	910.5	-3	0.5730	No Trend
		OU2MW-21I2	6	0	137.5	7	0.1885	No Trend
		OU2MW-21S	4	2	41.05	-3	0.2786	No Trend
		OU2MW-26D	5	0	335	8	0.0500	Increasing
		OU2MW-26I	6	0	142.5	-3	0.5730	No Trend
		OU2MW-26I2	6	1	15.5	3	0.5730	No Trend
		OU2MW-45I	10	2	7.5	8	0.4725	No Trend *
		OU2MW-45S	10	2	12	-25	0.0242	Decreasing
		OU2MW-46I	10	3	25	-36	0.0011	Decreasing
		OU2MW-46I2	10	3	6.5	-7	0.5234	No Trend
		OU2MW-46S	9	5	0.1	-18	0.0381	Decreasing
		OU2MW-47D	10	0	509	-11	0.3252	No Trend
		OUSMW-47I	10	2	15.5	-32	0.0041	Decreasing
OU2MW-47I2	10	0	31	-14	0.2087	No Trend		
OU2MW-47S	10	7	0.1	-24	0.0075	Decreasing		

Table 3-16
 Summary of Total BTEX Statistical Trends
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Location	Well ID	Number of Data Points	Number of Non-Detects	Median Value	Mann - Kendall Statistic (S)	Probability	Trend (At 90% Significant Level)	
9 North Clinton Avenue	Downgradient	OU2MW-08D	17	14	0.1	8	0.4142	No Trend
		OU2MW-08I	17	0	209	-39	0.1079	Decreasing
		OU2MW-08I2	17	0	248	-26	0.2842	No Trend
		OU2MW-08S	17	0	858	-24	0.3228	No Trend
		OU2MW-28I	9	4	3	-20	0.0285	Decreasing
		OU2MW-28I2	9	3	2	22	0.0186	Increasing
		OU2MW-29D	9	0	287	-22	0.0218	Decreasing
		OU2MW-29I	9	0	440	-28	0.0035	Decreasing
		OU2MW-29I2	9	0	88	-14	0.1444	Decreasing
		OU2MW-30D	9	0	126	-28	0.0035	Decreasing
		OU2MW-30D2	9	0	282	-16	0.0953	No Trend
		OU2MW-30I	9	0	281	-10	0.2971	No Trend
		OU2MW-30I2	9	0	387	8	0.4042	No Trend
		OU2MW-30I3	9	0	130	-18	0.0606	Decreasing
		OU2MW-30S	9	6	0.1	-19	0.0173	Decreasing
		OU2MW-31I	9	0	343	-16	0.0953	Decreasing
		OU2MW-31I2	9	2	116	11	0.2489	No Trend
		OU2MW-32D	9	3	3	-31	0.0010	Decreasing
		OU2MW-32I	9	0	2094	-8	0.4042	No Trend
		OU2MW-32I2	9	0	46	-31	0.0010	Decreasing
		OU2MW-33D	3	2	0.1	-2	0.2207	No Trend
		OU2MW-33I	3	0	63	-3	0.1172	No Trend
		OU2MW-33I2	3	1	2	-3	0.1172	No Trend
OU2MW-40I	5	0	168	-4	0.3272	No Trend		
OU2MW-41I	6	0	1453	-11	0.0388	Decreasing		
OU2MW-41S	6	3	2.55	-2	0.6872	No Trend		

Table 3-16
 Summary of Total BTEX Statistical Trends
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Location	Well ID	Number of Data Points	Number of Non-Detects	Median Value	Mann - Kendall Statistic (S)	Probability	Trend (At 90% Significant Level)	
Montauk Highway	Downgradient	BBMW-25D	16	3	8	-4	0.8561	No Trend
		BBMW-25I	16	2	163.5	13	0.5580	No Trend
		OU2MW-01I	17	0	170	-43	0.0763	Decreasing
		OU2MW-01I2	17	7	1	-76	0.0009	Decreasing
		OU2MW-01S	18	1	104.5	-49	0.0635	Decreasing
		OU2MW-02I	16	0	373.5	-43	0.0526	Decreasing
		OU2MW-02I2	16	9	0.1	26	0.1932	No Trend
		OU2MW-02S	16	0	76	-38	0.0871	Decreasing
		OU2MW-03I	16	11	0.1	31	0.0871	Increasing
		OU2MW-03I2	16	11	0.1	31	0.0871	Increasing
		OU2MW-03S	16	1	96.5	-42	0.0586	Decreasing
		OU2MW-04D	16	9	0.1	30	0.0737	Increasing
		OU2MW-04I	16	1	146	-34	0.1258	No Trend
		OU2MW-04I2	16	11	0.1	-7	0.6993	No Trend
OU2MW-04S	16	0	735	-25	0.2599	No Trend		
Manatuck Lane Line	Upgradient	GM-05D	13	10	0.1	0	1.0000	No Trend
		GM-05I	13	12	0.1	-4	0.5930	No Trend
		GM-05S	16	3	15	1	0.9640	No Trend
		GMP-01	17	0	432	-14	0.5641	No Trend
		OU2MW-05	16	0	267	-12	0.5890	No Trend
		OU2MW-11D	11	7	0.1	18	0.1013	No Trend
		OU2MW-11I	11	0	170	-5	0.6971	No Trend
		OU2MW-11I2	11	1	43	-13	0.3115	No Trend

Table 3-16
 Summary of Total BTEX Statistical Trends
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Location	Well ID	Number of Data Points	Number of Non-Detects	Median Value	Mann - Kendall Statistic (S)	Probability	Trend (At 90% Significant Level)	
Manatuck Lane Line	Downgradient	GMP-02	16	10	0.1	-51	0.0079	Decreasing
		GMP-04	16	6	59.5	-70	0.0012	Decreasing
		OU2MW-06	16	10	0.1	-28	0.1440	No Trend
		OU2MW-07	15	4	3	-34	0.0843	Decreasing
		OU2MW-07S	9	8	0.1	-2	0.6985	No Trend
		OU2MW-10D	10	5	14.1	13	0.2117	No Trend
		OU2MW-10I	10	1	32.5	5	0.6547	No Trend
		OU2MW-12D	11	5	11	-39	0.0014	Decreasing
		OU2MW-12I	11	0	81	-20	0.1183	No Trend
		OU2MW-12I2	11	2	7	-10	0.4321	No Trend
		OU2MW-13D	10	2	10	15	0.1762	No Trend
		OU2MW-13I	10	1	7	0	1.0000	No Trend

Shading = Indicates that the normal approximation used to compute the achieved significance level may be poor.

* Statistical trend doesn't use high concentration system near startup, but only the post-startup consistent low concentrations.

Notes:

1. A high positive value of the Mann-Kendall Statistic (S) indicates an increasing statistical trend, and a low negative value of S indicates a decreasing statistical trend.
2. A conservative confidence interval of 95% was used to assess statistical trends with an associated error probability of less than 0.05.

Table 3-17
 Summary of Total PAH Statistical Trends
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Location	Well ID	Number of Data Points	Number of Non-Detects	Median Value	Mann - Kendall Statistic (S)	Probability	Trend (At 90% Significant Level)	
33 North Clinton Avenue	Upgradient	OU2MW-17I	7	2	6	0	1.0000	No Trend
		OU2MW-17I2	7	5	0.1	-4	0.3173	No Trend
		OU2MW-17S	7	5	0.1	-4	0.3173	No Trend
		OU2MW-18I	6	0	4469	7	0.1885	No Trend
	Downgradient	OU2MW-22I	4	1	27.5	-4	0.1742	No Trend
		OU2MW-23I	4	0	250.5	-2	0.4969	No Trend
		OU2MW-24I	4	0	3391.5	-6	0.0415	Decreasing
		OU2MW-24I2	4	3	0.1	-3	0.1797	No Trend
		OU2MW-24S	4	3	0.1	3	0.1797	No Trend
		OU2MW-25I	4	0	127	-4	0.1742	No Trend
		OU2MW-35D	8	7	0.1	-7	0.1266	No Trend
		OU2MW-35I	8	3	4.5	-21	0.0075	Decreasing
		OU2MW-35I2	8	7	0.1	3	0.5127	No Trend
		OU2MW-35S	8	7	0.1	-7	0.1266	No Trend
		OU2MW-36D	8	7	0.1	-5	0.2752	No Trend
		OU2MW-36I	8	4	153.55	-22	0.0035	Decreasing
		OU2MW-37I	8	0	40.5	-10	0.2160	No Trend
		OU2MW-37I2	8	6	0.1	1	0.8694	No Trend
		OU2MW-37S	8	7	0.1	-3	0.5127	No Trend
		OU2MW-38I	4	0	1204	-6	0.0415	Decreasing
OU2MW-39I	8	5	0.1	-18	0.0099	Decreasing		
OU2MW-39I2	8	1	42.5	24	0.0030	Increasing		
34 North Clinton Avenue	Upgradient	OU2MW-19D	5	0	2841	4	0.3272	No Trend
		OU2MW-19I	6	0	266	-11	0.0388	Decreasing
		OU2MW-19I2	6	0	6525	-3	0.5730	No Trend
		OU2MW-20D	5	4	0.1	-4	0.1573	No Trend
		OU2MW-20I	6	3	37.05	-10	0.0441	Decreasing
		OU2MW-20I2	6	5	0.1	-5	0.1432	No Trend

Table 3-17
 Summary of Total PAH Statistical Trends
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Location	Well ID	Number of Data Points	Number of Non-Detects	Median Value	Mann - Kendall Statistic (S)	Probability	Trend (At 90% Significant Level)	
34 North Clinton Avenue	Downgradient	BBMW-24D	5	0	53	2	0.6242	No Trend
		BBMW-24I	5	4	0.1	2	0.4795	No Trend
		BBMW-24S	5	4	0.1	-4	0.1573	No Trend
		OU2MW-21I	6	0	1123	-11	0.0388	Decreasing
		OU2MW-21I2	6	0	3518	-11	0.0388	Decreasing
		OU2MW-21S	4	0	175	-6	0.0415	Decreasing
		OU2MW-26D	5	0	1742.0	10	0.0143	Increasing
		OU2MW-26I	6	1	128	-1	0.8510	No Trend
		OU2MW-26I2	6	0	510	-5	0.3476	No Trend
		OU2MW-26S	6	4	0.1	-3	0.3798	No Trend
		OU2MW-45D	10	9	0.1	9	0.1172	No Trend
		OU2MW-45I	10	1	4	-4	0.7172	No Trend
		OU2MW-45I2	10	8	0.1	-17	0.0277	Decreasing
		OU2MW-45S	10	7	0.1	-6	0.5041	No Trend
		OU2MW-46I	10	3	4	-39	0.0004	Decreasing
		OU2MW-46I2	10	6	0.1	-4	0.6841	No Trend
		OU2MW-46S	9	7	0.1	-11	0.1111	No Trend
		OU2MW-47D	10	0	5564	-27	0.0157	Decreasing
		OUSMW-47I	10	4	2	-25	0.0205	Decreasing
OU2MW-47I2	10	1	20	-24	0.0311	Decreasing		
OU2MW-47S	10	9	0.1	-9	0.1172	No Trend *		
9 North Clinton Avenue	Downgradient	OU2MW-08D	17	14	0.1	5	0.7545	No Trend
		OU2MW-08I	17	0	3133.0	20	0.4100	No Trend
		OU2MW-08I2	17	1	1454.0	-20	0.4100	No Trend
		OU2MW-08S	16	0	6698.0	-30	0.2165	No Trend
		OU2MW-08WT	10	7	0.1	0	1.0000	No Trend
		OU2MW-28I	9	4	1	-12	0.1887	No Trend
		OU2MW-28I2	9	4	12	4	0.6613	No Trend
		OU2MW-29D	9	0	2474	4	0.6767	No Trend
		OU2MW-29I	9	0	229	-26	0.0067	No Trend
		OU2MW-29I2	9	0	2778	-22	0.0218	Decreasing
		OU2MW-30D	9	0	1652	-14	0.1444	No Trend
		OU2MW-30D2	9	1	182	-20	0.0371	Decreasing
		OU2MW-30I	9	1	37	-20	0.0371	Decreasing

Table 3-17
 Summary of Total PAH Statistical Trends
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Location	Well ID	Number of Data Points	Number of Non-Detects	Median Value	Mann - Kendall Statistic (S)	Probability	Trend (At 90% Significant Level)	
9 North Clinton Avenue	Downgradient	OU2MW-30I2	9	0	1712	-30	0.0018	Decreasing
		OU2MW-30I3	9	0	101	-10	0.2971	No Trend
		OU2MW-30S	9	6	0.1	-17	0.0331	Decreasing
		OU2MW-31I	9	1	35	-25	0.0088	Decreasing
		OU2MW-31I2	9	1	100	6	0.5316	No Trend
		OU2MW-32D	9	1	22	-14	0.1400	No Trend
		OU2MW-32I	9	0	4029	5	0.6002	No Trend
		OU2MW-32I2	9	0	357	-26	0.0067	Decreasing
		OU2MW-32S	9	8	0.1	-4	0.4386	No Trend
		OU2MW-33I	3	0	158	-3	0.1172	No Trend
		OU2MW-33I2	3	0	14	-3	0.1172	No Trend
		OU2MW-40I	5	0	122	-6	0.1416	No Trend
		OU2MW-41I	6	0	2175.5	-7	0.1885	No Trend
		OU2MW-41S	6	5	0.1	-1	0.7697	No Trend

Table 3-17
 Summary of Total PAH Statistical Trends
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Location	Well ID	Number of Data Points	Number of Non-Detects	Median Value	Mann - Kendall Statistic (S)	Probability	Trend (At 90% Significant Level)	
Montauk Highway	Downgradient	BBMW-25D	16	8	1	-66	0.0014	Decreasing
		BBMW-25I	16	1	143	18	0.4177	No Trend
		OU2MW-01I	17	0	120	-75	0.0020	Decreasing
		OU2MW-01I2	17	9	0.1	-55	0.0107	Decreasing
		OU2MW-01S	18	1	212.5	-49	0.0618	Decreasing
		OU2MW-01WT	10	9	0.1	-8	0.1213	No Trend
		OU2MW-02D	16	13	0.1	-2	0.8939	No Trend
		OU2MW-02I	16	0	2744	-42	0.0586	Decreasing
		OU2MW-02I2	16	10	0.55	-13	0.5293	No Trend
		OU2MW-02S	16	0	121	-54	0.0150	Decreasing
		OU2MW-03D	16	14	0.1	3	0.8123	No Trend
		OU2MW-03I	16	11	0.1	7	0.6993	No Trend
		OU2MW-03I2	16	11	0.1	-33	0.0686	Decreasing
		OU2MW-03S	16	1	137.5	-44	0.0476	Decreasing
		OU2MW-04I	16	5	215	-52	0.0172	Decreasing
OU2MW-04I2	16	7	17.5	-59	0.0062	Decreasing		
OU2MW-04S	16	0	3847.5	-56	0.0117	Decreasing		
Manatuck Lane Line	Upgradient	GM-05D	13	12	0.1	-8	0.2850	No Trend
		GM-05I	13	12	0.1	-4	0.5930	No Trend
		GM-05S	16	6	6	45	0.0369	Increasing
		GMP-01	17	0	3951.5	-80	0.0003	Decreasing
		OU2MW-05	16	0	1357.5	-74	0.0009	Decreasing
		OU2MW-11D	11	5	0.1	0	1.0000	No Trend
		OU2MW-11I	11	0	865.0	-9	0.4835	No Trend
		OU2MW-11I2	11	3	131.0	-2	0.8749	No Trend
		OU2MW-11S	11	9	0.1	3	0.7255	No Trend

Table 3-17
 Summary of Total PAH Statistical Trends
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Location		Well ID	Number of Data Points	Number of Non-Detects	Median Value	Mann - Kendall Statistic (S)	Probability	Trend (At 90% Significant Level)
Manatuck Lane Line	Downgradient	GMP-02	16	13	0.1	-32	0.0328	Decreasing
		GMP-04	16	6	31.5	-61	0.0047	Decreasing
		OU2MW-06	16	13	0.1	-28	0.0947	Decreasing
		OU2MW-06S	10	8	0.1	-7	0.3648	No Trend
		OU2MW-07	15	12	0.1	-25	0.0739	Decreasing
		OU2MW-07S	9	8	0.1	-4	0.4386	No Trend
		OU2MW-10D	10	5	0.55	17	0.1024	No Trend
		OU2MW-10I	10	2	3.5	0	1.0000	No Trend
		OU2MW-10S	10	9	0.1	0	1.0000	No Trend
		OU2MW-12D	11	4	35	-43	0.0006	Decreasing
		OU2MW-12I	11	0	147	-31	0.0158	Decreasing
		OU2MW-12I2	11	2	15	-6	0.6394	No Trend
		OU2MW-12S	11	10	0.1	-10	0.1138	No Trend
		OU2MW-13D	10	1	8.5	10	0.3692	No Trend
OU2MW-13I	10	0	7.5	-15	0.1762	No Trend		

Shading = Indicates that the normal approximation used to compute the achieved significance level may be poor.

* Statistical trend doesn't use high concentration system near startup, but only the post-startup consistent low concentrations.

Notes:

1. A high positive value of the Mann-Kendall Statistic (S) indicates an increasing statistical trend, and a low negative value of S indicates a decreasing statistical trend.
2. A conservative confidence interval of 95% was used to assess statistical trends with an associated error probability of less than 0.05.

Table 4-1
 Summary of Groundwater Parameter Data
 Union Boulevard Oxygen Injection System
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 3 (OU-3)

Monitoring Well	Jul-02	Aug-02	Sep-02	Oct-02	Dec-02	Jan-03	Feb-03	Mar-03	Apr-03	May-03	Jun-03	Aug-03	Sep-03	Jan-04	Feb-04	Mar-04	May-04	Jun-04	Jul-04	Aug-04
Conductivity (mS/cm)																				
IO-10	0.562	0.689	0.612	0.452	0.345	0.348	0.334	0.401	0.277	0.393	0.278	0.267	0.278	0.437	0.716	0.473	--	0.435	0.413	0.271
MW-34D	0.214	0.277	0.252	0.261	0.318	0.250	0.222	0.301	0.198	0.246	0.284	0.309	0.277	0.231	0.255	0.191	--	0.211	0.213	0.212
MW-34I	0.553	0.640	0.724	0.341	0.483	0.293	0.316	0.508	0.349	0.391	0.305	0.268	0.294	0.558	0.684	0.627	--	0.404	0.300	0.323
MW-34S	0.490	0.624	0.540	0.577	0.586	0.429	0.451	0.538	0.361	0.535	0.492	0.554	0.494	0.500	0.555	0.530	--	0.632	0.446	0.428
MW-46WR	--	--	--	--	0.476	0.372	0.391	0.455	0.616	0.991	0.821	--	0.609	0.721	1.140	1.330	--	1.220	0.709	0.629
MW-70/70S	0.388	0.578	0.556	0.477	0.422	0.310	0.339	0.606	1.250	0.328	0.356	0.443	0.355	0.394	0.481	0.340	--	0.645	0.644	0.630
MW-71/71S	0.520	0.666	0.575	0.524	0.558	0.336	0.325	0.414	0.476	0.535	0.428	0.587	0.641	0.477	0.510	0.463	0.452	0.580	0.519	0.475
MW-11W	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.272	--	--	0.292
MW-30WR	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-32WR	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.890
MWBS-02D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MWBS-02I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.199	--	--	0.240
MWBS-02S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.266	--	--	0.193
Dissolved Oxygen (mg/L)																				
IO-10	12.0	0.8	10.0	5.5	16.0	8.0	0.0	2.5	25.0	22.0	19.0	11.0	12.0	7.0	5.0	4.0	--	0.0	0.0	2.0
MW-34D	1.0	1.0	1.6	0.9	1.6	0.4	2.0	0.0	1.2	1.0	1.0	0.8	0.4	0.4	0.0	0.0	--	0.0	0.0	0.0
MW-34I	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	--	0.0	0.0	0.0
MW-34S	0.4	0.0	1.0	0.2	0.0	0.0	2.0	0.0	1.8	0.0	0.8	0.8	0.2	0.0	0.0	0.0	--	0.0	0.0	0.0
MW-46WR	--	--	--	--	14.0	0.0	0.0	0.5	3.0	2.0	1.2	--	0.0	1.2	1.0	1.4	--	0.0	0.0	0.5
MW-70/70S	20.0	3.0	6.0	7.0	18.0	9.0	0.0	1.0	11.0	9.0	19.0	19.0	22.0	26.0	25.0	40.0	--	0.0	0.0	0.0
MW-71/71S	2.8	0.8	1.8	0.0	0.6	0.0	2.0	0.0	0.3	0.0	1.4	0.0	0.2	2.6	5.0	1.8	9.4	7.0	0.0	0.0
MW-11W	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0	--	--	0.0
MW-30WR	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-32WR	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0
MWBS-02D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MWBS-02I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0	--	--	0.0
MWBS-02S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0	--	--	0.0
Oxidation Reduction Potential (mV)																				
IO-10	11	-125	3	-73.5	1	117	-159	-104	-23	-4	3	11	-12	-16	27	21	--	-97	-101	-7
MW-34D	55	85	58	28.5	25	-16	45	118	85	22	62	77	114	132	-95	-20	--	16	5	63
MW-34I	-147	-178	-142	-156	-100	-303	-222	-139	-164	-109	-137	-136	-117	-132	-150	-129	--	-150	-130	-144
MW-34S	-150	-171	-24	-118.5	-67	35	85	-75	-71	-61	-115	-106	-42	-95	-140	-112	--	-165	-109	-124
MW-46WR	--	--	--	--	-23	-10	-172	-83	-50	-35	-79	--	-80	-71	-105	-69	--	-181	-119	-110
MW-70/70S	94	8	2	-8	62	169	-37	-50	46	42	10	19	34	43	12	6	--	-154	-117	-118
MW-71/71S	-89	-95	-75	-84	-89	-42	-59	-88	-125	-85	-101	-81	-49	-56	-68	-68	-26	-48	-112	-97
MW-11W	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-51	--	--	-67
MW-30WR	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-32WR	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-136
MWBS-02D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MWBS-02I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2	--	--	25
MWBS-02S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-53	--	--	-37

Table 4-1
 Summary of Groundwater Parameter Data
 Union Boulevard Oxygen Injection System
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 3 (OU-3)

Monitoring Well	Jul-02	Aug-02	Sep-02	Oct-02	Dec-02	Jan-03	Feb-03	Mar-03	Apr-03	May-03	Jun-03	Aug-03	Sep-03	Jan-04	Feb-04	Mar-04	May-04	Jun-04	Jul-04	Aug-04
pH (st. units)																				
IO-10	6.17	6.52	6.04	6.46	6.38	6.31	6.43	6.52	7.39	6.29	6.41	6.33	6.45	6.20	6.56	6.49	--	6.20	6.02	6.17
MW-34D	6.17	5.90	6.06	6.07	6.31	6.20	6.39	6.14	6.38	6.01	5.80	6.14	6.29	6.10	6.74	6.72	--	5.70	5.78	6.03
MW-34I	6.30	6.07	6.17	6.62	7.09	6.99	6.31	6.32	6.44	6.57	6.47	6.71	6.80	6.39	6.89	6.86	--	6.50	6.27	6.46
MW-34S	6.03	5.96	6.04	6.12	6.97	6.29	6.23	6.59	8.43	6.29	5.99	6.06	6.03	5.91	6.49	6.66	--	6.44	5.77	5.97
MW-46WR	--	--	--	--	6.47	6.23	6.17	6.30	6.11	5.99	5.80	--	6.02	5.99	6.43	6.50	--	6.08	5.87	6.20
MW-70/70S	5.92	5.91	5.99	5.93	5.72	5.96	6.11	6.44	6.02	5.96	5.71	5.92	6.00	5.88	6.38	6.63	--	6.31	5.82	6.11
MW-71/71S	5.94	6.27	5.92	6.12	7.09	6.13	6.26	6.35	6.17	6.16	5.88	5.99	6.03	5.91	6.44	6.75	6.07	6.16	5.74	5.85
MW-11W	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6.27	--	--	5.97
MW-30WR	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-32WR	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6.15
MWBS-02D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MWBS-02I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6.11	--	--	5.52
MWBS-02S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.72	--	--	5.26
Temperature (deg C)																				
IO-10	17.3	18.9	19.8	18.7	15.5	14.1	9.5	10.9	11.4	13.6	15.9	18.0	17.5	10.7	9.8	10.1	--	18.4	19.0	17.7
MW-34D	15.7	15.9	16.3	16.7	14.8	14.9	11.0	13.0	12.8	13.0	14.3	15.2	14.7	13.0	13.4	12.2	--	15.9	16.0	15.8
MW-34I	16.4	16.1	17.5	18.3	16.3	14.4	11.9	11.7	10.7	12.7	14.2	16.2	16.6	12.6	11.9	11.0	--	15.4	16.5	16.9
MW-34S	21.2	21.5	22.0	19.5	12.4	8.9	5.0	5.9	8.3	13.1	16.6	21.5	18.8	7.6	6.8	7.7	--	18.7	20.6	20.0
MW-46WR	--	--	--	--	13.0	10.6	7.3	8.3	10.8	15.8	18.8	--	19.7	7.2	6.5	8.6	--	21.9	24.0	22.8
MW-70/70S	19.0	20.4	21.7	19.2	13.8	11.1	7.1	7.4	8.6	13.2	15.6	20.2	18.2	8.9	7.8	8.1	--	19.4	20.3	20.9
MW-71/71S	17.9	20.6	21.4	19.3	13.0	10.2	4.1	6.5	8.0	12.4	15.9	20.4	18.3	7.8	7.1	7.8	10.4	18.7	19.9	19.8
MW-11W	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	13.1	--	--	20.1
MW-30WR	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-32WR	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	20.2
MWBS-02D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MWBS-02I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	10.6	--	--	15.7
MWBS-02S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	11.5	--	--	15.3

Table 4-1
 Summary of Groundwater Parameter Data
 Union Boulevard Oxygen Injection System
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 3 (OU-3)

Monitoring Well	Sep-04	Nov-04	Jan-05	Feb-05	Mar-05	Apr-05	May-05	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Jan-06	Feb-06	Mar-06	May-06	Jun-06	Jul-06
Conductivity (mS/cm)																				
IO-10	0.279	--	0.390	0.461	0.507	0.369	0.397	0.502	0.338	0.374	0.533	0.528	0.870	0.836	0.444	0.403	0.326	0.390	0.328	0.477
MW-34D	0.194	--	0.195	0.203	0.210	0.173	0.262	0.336	0.271	0.236	0.211	0.306	0.486	0.320	0.274	0.279	0.261	--	0.171	0.265
MW-34I	0.296	--	0.336	0.351	0.489	0.376	0.425	0.451	0.341	0.416	0.442	0.556	0.882	0.517	0.479	0.441	0.277	--	0.249	0.448
MW-34S	0.423	--	0.370	0.403	0.430	0.419	0.751	0.730	0.418	0.394	0.593	0.691	0.919	0.668	1.190	0.731	0.400	0.469	0.454	0.651
MW-46WR	0.432	--	0.535	1.000	1.565	2.370	2.230	1.420	1.350	0.549	0.940	0.551	1.100	1.000	0.830	0.604	1.200	0.950	1.180	0.638
MW-70/70S	0.435	--	0.311	0.296	0.516	0.449	0.574	0.600	0.392	0.355	0.415	0.469	0.718	0.501	0.654	0.541	0.353	0.387	0.327	0.504
MW-71/71S	0.556	0.408	0.308	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-11W	--	0.313	--	--	0.402	--	--	0.400	--	0.257	--	--	--	0.679	--	--	0.406	--	0.156	--
MW-30WR	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.476	--	--	0.457	--
MW-32WR	--	0.536	--	1.360	--	--	--	1.160	--	1.010	--	--	1.330	--	--	1.190	--	0.802	--	--
MWBS-02D	--	--	--	--	0.612	--	--	--	--	--	--	--	--	--	--	--	0.705	--	--	--
MWBS-02I	--	0.247	--	--	0.198	--	--	0.269	--	18.000	--	--	0.471	--	--	--	0.243	0.137	--	--
MWBS-02S	--	0.383	--	--	0.536	--	--	0.309	--	0.500	--	--	--	0.376	--	--	0.470	0.258	--	--
Dissolved Oxygen (mg/L)																				
IO-10	0.0	--	0.0	0.1	0.0	0.0	0.0	0.0	16.0	0.0	12.0	38.0	0.0	20.0	5.0	8.0	42.0	20.0	33.0	32.0
MW-34D	0.0	--	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	--	0.0	0.0
MW-34I	0.0	--	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	--	0.0	0.0
MW-34S	0.0	--	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-46WR	0.0	--	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	1.2
MW-70/70S	0.0	--	27.0	27.0	14.0	7.0	0.0	0.4	3.0	0.0	0.0	0.0	5.9	0.0	0.0	0.0	25.0	20.0	35.0	25.0
MW-71/71S	0.0	0.0	15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-11W	--	0.0	--	--	1.9	--	--	0.0	--	0.0	--	--	--	0.3	--	--	0.0	--	0.2	--
MW-30WR	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0	--	--	0.0	--
MW-32WR	--	0.0	--	0.3	--	--	--	0.0	--	0.0	--	--	0.0	--	--	0.0	--	0.0	--	--
MWBS-02D	--	--	--	--	0.3	--	--	--	--	--	--	--	--	--	--	--	0.0	--	--	--
MWBS-02I	--	0.0	--	--	0.6	--	--	0.0	--	2.4	--	--	0.3	--	--	--	0.0	0.0	--	--
MWBS-02S	--	0.0	--	--	0.3	--	--	0.0	--	2.4	--	--	--	0.0	--	--	0.0	0.0	--	--
Oxidation Reduction Potential (mV)																				
IO-10	-72	--	-110	-96	-118	-117	-84	-92.5	11	-123	24	42	-53	16.3	44	5	51	42	42	129
MW-34D	107	--	125	130	82	90	115	178	24	-15	191	-121	137	140	159	180	175	--	202	135
MW-34I	-117	--	-87	-93	-106	-113	-141	-106	-156	-167	-137	-188	-130	-101	-109	-92	-109	--	-177	-81
MW-34S	-123	--	-61	3	-33	-54	-183	-44	-141	-135	-88	-180	-39	-57	-127	-107	-150	-162	-177	-125
MW-46WR	-110	--	-83	-67	-82.5	-103	-203	-94	-189	-148	-119	-291	-157	-108	-143	-100	-74	-219	-136	-93
MW-70/70S	-148	--	68	105	73.5	40	-66	-62	-130	-132	-119	-279	-16	-45	-88	-90	14	-12	42	89
MW-71/71S	-151	-51	23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-11W	--	-29	--	--	0	--	--	-95	--	-106	--	--	--	-64	--	--	-6	--	-44	--
MW-30WR	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-22	--	--	-95	--
MW-32WR	--	-50	--	-60	--	--	--	-110	--	-125	--	--	-94	--	--	-123	--	-141	--	--
MWBS-02D	--	--	--	--	32	--	--	--	--	--	--	--	--	--	--	--	-27	--	--	--
MWBS-02I	--	22	--	--	7	--	--	-6	--	-22	--	--	-33	--	--	--	31	6	--	--
MWBS-02S	--	-17	--	--	-42	--	--	-73	--	-55	--	--	--	-60	--	--	-33	-96	--	--

Table 4-1
 Summary of Groundwater Parameter Data
 Union Boulevard Oxygen Injection System
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 3 (OU-3)

Monitoring Well	Sep-04	Nov-04	Jan-05	Feb-05	Mar-05	Apr-05	May-05	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Jan-06	Feb-06	Mar-06	May-06	Jun-06	Jul-06
pH (st. units)																				
IO-10	6.41	--	6.73	6.49	6.36	6.46	6.30	6.34	6.34	6.37	6.39	6.20	6.14	6.14	6.60	6.49	6.29	6.13	5.69	7.26
MW-34D	5.69	--	6.32	5.99	5.95	6.24	6.03	6.03	6.07	6.15	6.07	5.74	5.98	5.99	6.40	6.07	5.93	--	5.48	5.84
MW-34I	6.48	--	6.71	6.46	6.39	6.37	6.35	6.42	6.56	6.40	6.74	6.02	6.24	6.28	6.74	6.46	6.34	--	6.15	6.53
MW-34S	5.62	--	6.21	6.04	6.06	6.19	5.96	5.84	5.88	5.84	6.05	5.85	6.12	6.03	6.39	6.09	6.00	6.07	5.94	6.37
MW-46WR	6.09	--	6.26	6.06	6.15	6.32	6.12	6.03	6.01	6.07	6.36	5.77	5.94	6.07	6.36	6.06	5.95	6.11	5.79	7.53
MW-70/70S	5.96	--	5.95	5.80	5.73	6.21	5.85	5.95	6.17	6.09	6.21	5.68	5.83	5.95	6.19	6.02	5.99	6.18	5.68	7.40
MW-71/71S	6.07	6.26	6.15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-11W	--	6.30	--	--	5.82	--	--	6.00	--	6.03	--	--	--	5.92	--	--	6.06	--	5.81	--
MW-30WR	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6.10	--	--	5.70	--
MW-32WR	--	6.23	--	6.33	--	--	--	6.27	--	6.33	--	--	6.15	--	--	6.31	--	6.31	--	--
MWBS-02D	--	--	--	--	5.70	--	--	--	--	--	--	--	--	--	--	--	6.02	--	--	--
MWBS-02I	--	6.17	--	--	5.70	--	--	5.84	--	5.71	--	--	5.78	--	--	--	5.85	5.89	--	--
MWBS-02S	--	6.15	--	--	5.56	--	--	6.03	--	5.88	--	--	--	5.94	--	--	6.12	6.05	--	--
Temperature (deg C)																				
IO-10	19.5	--	11.3	11.0	10.2	11.8	13.1	15.3	17.0	18.1	19.6	17.4	16.6	16.3	12.9	10.9	11.8	13.3	16.5	18.4
MW-34D	16.4	--	11.8	12.8	12.4	12.9	12.5	14.6	14.8	15.9	16.5	15.4	15.4	15.0	13.8	13.2	13.1	--	15.0	16.0
MW-34I	17.9	--	11.6	11.6	10.7	11.7	11.5	14.4	14.6	16.1	18.1	16.9	16.7	15.3	13.4	12.1	11.7	--	15.1	16.9
MW-34S	21.2	--	8.0	6.6	6.8	11.4	12.8	16.8	18.7	21.2	22.1	17.6	15.8	10.4	9.2	8.6	9.5	13.5	18.1	21.1
MW-46WR	22.7	--	8.6	7.4	7.6	13.7	16.0	20.1	22.6	23.5	24.0	18.9	15.1	11.8	9.8	9.1	10.5	18.4	22.0	24.2
MW-70/70S	20.7	--	7.8	8.1	7.6	10.4	12.3	17.0	18.5	20.5	21.1	18.4	15.0	11.4	9.5	8.6	9.4	14.1	17.6	20.4
MW-71/71S	20.6	15.7	8.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-11W	--	15.0	--	--	6.9	--	--	18.1	--	22.5	--	--	--	13.2	--	--	8.2	--	19.8	--
MW-30WR	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	8.6	--	--	18.7	--
MW-32WR	--	16.4	--	8.1	--	--	--	15.0	--	21.2	--	--	14.8	--	--	8.9	--	15.1	--	--
MWBS-02D	--	--	--	--	11.4	--	--	--	--	--	--	--	--	--	--	--	12.4	--	--	--
MWBS-02I	--	14.6	--	--	8.4	--	--	10.8	--	16.2	--	--	14.7	--	--	--	10.1	11.7	--	--
MWBS-02S	--	14.4	--	--	9.3	--	--	10.4	--	15.2	--	--	--	14.0	--	--	10.6	12.7	--	--

Table 4-1
 Summary of Groundwater Parameter Data
 Union Boulevard Oxygen Injection System
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 3 (OU-3)

Monitoring Well	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08
Conductivity (mS/cm)																				
IO-10	0.469	0.447	0.478	0.674	0.611	0.578	0.604	0.588	0.390	0.252	0.285	0.335	0.389	0.436	0.330	0.514	0.389	0.515	0.473	0.434
MW-34D	0.250	0.247	0.247	0.427	0.336	0.358	0.331	0.365	0.288	0.237	0.251	0.216	0.269	0.295	0.222	0.337	0.259	0.276	0.284	0.292
MW-34I	0.427	0.459	0.457	0.814	0.545	0.580	0.461	0.579	0.364	0.301	0.275	0.248	0.317	0.401	0.343	0.445	0.344	0.360	0.393	0.422
MW-34S	0.472	0.549	0.564	0.653	0.542	0.614	0.460	0.520	0.381	0.373	0.512	0.484	0.608	0.673	0.367	0.495	0.409	0.588	0.387	0.398
MW-46WR	0.583	0.441	0.629	0.726	5.810	0.592	0.635	0.695	0.443	0.345	0.474	0.511	0.562	0.561	0.301	0.574	0.484	0.420	0.351	0.324
MW-70/70S	0.373	0.433	0.493	0.674	0.597	0.570	0.543	0.445	0.424	0.327	0.358	0.395	0.422	0.456	0.320	0.439	0.371	0.392	0.369	0.354
MW-71/71S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-11W	0.104	--	--	0.511	--	--	--	--	--	--	--	--	--	0.331	--	--	--	--	0.379	--
MW-30WR	0.439	--	--	0.342	--	0.228	--	--	--	0.125	--	--	0.230	--	--	--	--	11.700	--	--
MW-32WR	0.791	--	--	1.030	--	0.985	--	--	--	0.960	--	--	0.757	--	--	--	--	9.200	--	--
MWBS-02D	--	--	--	--	--	--	--	--	--	--	0.321	--	--	0.340	--	--	--	--	0.451	--
MWBS-02I	0.244	--	--	0.435	--	--	0.626	--	--	0.127	--	--	--	0.450	--	--	--	--	0.287	--
MWBS-02S	0.225	--	--	0.642	--	--	--	--	--	0.490	--	--	--	--	--	--	--	0.503	--	--
Dissolved Oxygen (mg/L)																				
IO-10	28.0	34.0	0.0	35.0	30.0	34.0	36.0	34.0	35.0	36.0	3.0	26.0	28.0	31.0	29.0	25.0	31.0	36.0	33.0	32.0
MW-34D	0.0	0.6	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.6	0.4	0.4	0.0
MW-34I	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-34S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
MW-46WR	2.0	5.0	0.0	4.0	6.0	12.0	10.0	9.0	13.0	8.0	0.0	1.2	5.0	8.0	8.0	21.0	18.0	24.0	24.0	24.0
MW-70/70S	33.0	34.0	22.0	25.0	40.0	40.0	33.0	33.0	41.0	42.0	44.0	12.0	28.0	39.0	31.0	33.0	34.0	31.0	29.0	34.0
MW-71/71S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-11W	0.0	--	--	0.4	--	--	--	--	--	--	--	--	--	0.0	--	--	--	--	0.0	--
MW-30WR	0.0	--	--	0.0	--	0.0	--	--	--	0.0	--	--	0.0	--	--	--	--	2.1	--	--
MW-32WR	0.0	--	--	0.0	--	0.0	--	--	--	0.0	--	--	0.0	--	--	--	--	2.1	--	--
MWBS-02D	--	--	--	--	--	--	--	--	--	--	0.0	--	--	0.0	--	--	--	--	1.6	--
MWBS-02I	0.0	--	--	0.0	--	--	0.0	--	--	0.0	--	--	--	0.0	--	--	--	--	1.5	--
MWBS-02S	0.0	--	--	0.0	--	--	--	--	--	0.0	--	--	--	--	--	--	--	0.0	--	--
Oxidation Reduction Potential (mV)																				
IO-10	30	40	-12	74	64	73	95	-88	-5	22	-35	89	75	80	169	434	95	32	18	126
MW-34D	162	171	210	173	94	-42	-301	-278	-172	38	47	82	94	70	93	218	131	-4	1	220
MW-34I	-120	-121	-37	-93	-126	-79	-336	-267	-334	-130	-130	-50	-126	-108	-65	-15	-171	-71	-41	-31
MW-34S	-121	-144	-77	-173	-207	-97	-165	-219	-361	-289	-297	-247	-234	-198	-101	-10	-177	-85	-71	-86
MW-46WR	-130	-115	-84	-82	-76	6	-23	-136	-102	-94	-207	-136	-98	-79	43	71	-71	5	5	17
MW-70/70S	-7	-19	13	15	69	55	40	-110	-14	14	-34	18	29	-42	-18	385	-32	2	-10	28
MW-71/71S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-11W	9	--	--	-29	--	--	--	--	--	--	--	--	--	-126	--	--	--	--	-16	--
MW-30WR	-143	--	--	-89	--	-169	--	--	--	-313	--	--	-145	--	--	--	--	-76	--	--
MW-32WR	-148	--	--	-117	--	-132	--	--	--	-190	--	--	-125	--	--	--	--	-141	--	--
MWBS-02D	--	--	--	--	--	--	--	--	--	--	-62	--	--	-99	--	--	--	--	-116	--
MWBS-02I	-21	--	--	-52	--	--	-142	--	--	-167	--	--	--	4	--	--	--	--	-77	--
MWBS-02S	-115	--	--	-101	--	--	--	--	--	-158	--	--	--	--	--	--	--	-82	--	--

Table 4-1
 Summary of Groundwater Parameter Data
 Union Boulevard Oxygen Injection System
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 3 (OU-3)

Monitoring Well	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08
pH (st. units)																				
IO-10	6.00	6.44	6.16	6.79	6.51	6.10	6.26	6.22	5.97	6.09	5.43	5.75	5.83	6.12	5.96	5.59	6.30	6.69	6.37	6.32
MW-34D	5.98	6.36	6.09	6.26	5.90	5.74	5.84	5.67	5.95	5.96	5.97	5.98	5.90	5.86	5.98	5.21	5.98	6.02	5.83	5.76
MW-34I	6.21	6.37	6.12	6.40	6.03	5.94	6.12	5.87	6.03	6.02	6.18	6.16	6.06	5.87	6.81	5.41	8.19	5.99	6.10	6.11
MW-34S	6.04	6.19	6.16	6.48	6.26	6.01	6.01	6.04	6.21	6.16	6.04	5.92	5.94	5.88	6.90	5.45	8.15	5.96	5.91	5.85
MW-46WR	5.96	6.29	6.25	6.18	5.81	5.57	5.72	5.79	5.82	5.93	5.97	6.09	5.85	5.72	6.34	5.27	7.26	5.29	5.79	5.68
MW-70/70S	5.92	6.12	6.00	6.18	5.71	5.68	5.92	6.22	5.99	6.20	6.05	6.06	5.89	5.95	6.62	5.43	7.18	6.10	6.03	5.97
MW-71/71S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-11W	6.08	--	--	6.41	--	--	--	--	--	--	--	--	--	5.87	--	--	--	--	5.92	--
MW-30WR	5.91	--	--	6.59	--	6.03	--	--	--	6.15	--	--	6.01	--	--	--	--	7.52	--	--
MW-32WR	6.34	--	--	6.76	--	6.12	--	--	--	6.45	--	--	6.35	--	--	--	--	8.05	--	--
MWBS-02D	--	--	--	--	--	--	--	--	--	--	6.12	--	--	6.31	--	--	--	--	5.97	--
MWBS-02I	5.77	--	--	6.28	--	--	5.88	--	--	5.48	--	--	--	5.61	--	--	--	--	5.79	--
MWBS-02S	6.25	--	--	6.51	--	--	--	--	--	6.17	--	--	--	--	--	--	--	5.63	--	--
Temperature (deg C)																				
IO-10	18.1	18.7	17.7	16.4	15.2	13.6	11.6	10.4	12.9	13.3	16.3	17.5	18.9	18.3	16.9	17.1	13.7	11.1	10.7	10.8
MW-34D	15.0	15.7	15.3	15.5	14.9	14.1	12.7	12.9	13.3	12.7	14.2	14.7	15.8	16.1	15.7	15.6	13.8	12.6	12.7	13.4
MW-34I	16.4	17.5	16.8	16.5	15.4	13.6	11.5	11.8	12.2	11.5	14.8	14.8	16.6	17.5	17.2	16.2	14.1	12.0	10.9	12.1
MW-34S	21.3	21.0	18.3	15.0	13.2	10.5	6.5	6.5	10.2	13.0	17.2	19.2	20.2	20.7	19.0	14.6	10.9	8.7	6.8	7.9
MW-46WR	24.3	22.4	19.0	15.7	13.3	11.9	7.9	8.1	13.9	16.0	20.4	22.9	23.8	23.0	15.3	15.2	10.5	8.4	8.1	10.1
MW-70/70S	20.2	19.9	17.7	15.6	13.5	11.5	8.3	6.8	9.7	11.9	16.4	19.2	20.0	19.8	17.9	16.0	11.7	8.5	8.0	8.1
MW-71/71S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-11W	20.8	--	--	15.4	--	--	--	--	--	--	--	--	--	19.7	--	--	--	--	8.2	--
MW-30WR	20.2	--	--	14.6	--	8.7	--	--	--	12.9	--	--	18.5	--	--	--	--	8.4	--	--
MW-32WR	21.2	--	--	16.1	--	8.8	--	--	--	13.2	--	--	19.7	--	--	--	--	8.8	--	--
MWBS-02D	--	--	--	--	--	--	--	--	--	--	13.6	--	--	15.2	--	--	--	--	13.3	--
MWBS-02I	16.3	--	--	16.2	--	--	12.6	--	--	10.5	--	--	--	16.9	--	--	--	--	11.0	--
MWBS-02S	15.3	--	--	15.9	--	--	--	--	--	10.0	--	--	--	--	--	--	--	10.7	--	--

Table 4-1
 Summary of Groundwater Parameter Data
 Union Boulevard Oxygen Injection System
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 3 (OU-3)

Monitoring Well	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	
Conductivity (mS/cm)																			
IO-10	0.412	0.393	0.291	0.600	0.326	0.314	0.329	0.392	0.448	0.341	0.310	0.297	0.313	0.346	0.312	0.353	0.326	0.288	
MW-34D	0.293	0.305	0.277	0.509	0.219	--	0.283	0.281	0.271	0.290	0.305	0.331	0.405	0.466	0.520	0.411	0.398	0.419	
MW-34I	0.391	0.332	0.265	0.440	0.249	--	0.360	0.417	0.458	0.346	0.340	0.326	0.401	0.835	0.644	0.327	0.296	0.325	
MW-34S	0.387	0.484	0.374	0.754	0.301	--	0.549	0.441	0.397	3.720	2.060	1.100	1.360	0.802	0.892	0.698	0.861	0.696	
MW-46WR	0.335	0.367	0.337	0.732	0.260	0.309	0.400	0.426	0.407	0.557	0.597	0.769	1.130	2.770	0.797	0.422	0.383	0.55	
MW-70/70S	0.366	0.373	0.337	--	0.583	0.239	0.448	0.456	0.393	0.417	0.461	0.519	0.502	0.634	0.704	1.86	1.36	0.435	
MW-71/71S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-11W	--	0.279	--	--	--	0.193	--	--	--	--	--	0.272	--	--	0.295	--	--	--	
MW-30WR	--	0.173	--	--	0.366	--	--	0.250	--	--	0.376	--	--	1.650	--	--	1.27	--	
MW-32WR	--	0.708	--	--	0.920	--	--	0.592	--	--	--	1.920	--	1.000	--	--	0.999	--	
MWBS-02D	--	0.616	--	--	--	--	--	0.461	--	--	0.586	--	--	--	0.399	--	--	0.32	
MWBS-02I	--	0.233	--	--	0.244	--	--	0.471	--	--	0.521	--	--	--	0.400	--	--	0.337	
MWBS-02S	--	0.421	--	--	--	0.378	--	0.500	--	--	1.600	--	--	--	0.417	--	--	0.356	
Dissolved Oxygen (mg/L)																			
IO-10	33.0	31.0	33.0	34.0	33.0	13.0	33.0	27.0	32.0	33.0	28.0	35.0	22.0	32.0	33.0	36.0	27.0	29.0	
MW-34D	0.8	1.0	0.0	0.0	0.0	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MW-34I	0.6	1.0	0.0	0.0	0.0	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	18.0	3.0	0.0	3.0	
MW-34S	0.0	1.9	0.0	0.0	0.0	--	0.0	0.0	0.0	1.6	0.0	0.0	0.4	0.0	0.0	0.0	0.0	2.0	
MW-46WR	17.0	20.0	17.0	20.0	18.0	4.0	20.0	21.0	24.0	26.0	23.0	24.0	24.0	20.0	13.0	17.0	12.0	20.0	
MW-70/70S	35.0	24.0	34.0	--	31.0	23.0	22.0	28.0	29.0	32.0	35.0	32.0	36.0	39.0	29.0	19.0	13.8	28.0	
MW-71/71S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-11W	--	1.0	--	--	--	1.4	--	--	--	--	--	0.2	--	--	0.2	--	--	--	
MW-30WR	--	1.3	--	--	5.0	--	--	0.0	--	--	0.0	--	--	0.0	--	--	0.0	--	
MW-32WR	--	1.7	--	--	4.8	--	--	0.0	--	--	--	0.0	--	0.0	--	--	0.0	--	
MWBS-02D	--	1.6	--	--	--	--	--	0.0	--	--	0.0	--	--	--	0.0	--	--	0.0	
MWBS-02I	--	1.6	--	--	0.0	--	--	0.3	--	--	0.0	--	--	--	0.0	--	--	0.0	
MWBS-02S	--	1.5	--	--	--	0.0	--	0.0	--	--	0.0	--	--	--	0.0	--	--	0.0	
Oxidation Reduction Potential (mV)																			
IO-10	213	125	140	163	170	126	136	130	96	43	104	73	159	90	107	205	85	157	
MW-34D	233	209	-25	109	197	--	141	193	167	-23	113	70	140	185	135	261	-234	197	
MW-34I	-3	-66	-142	-74	-38	--	-37	-39	-61	-49	60	50	26	167	175	225	-213	183	
MW-34S	-91	-157	-198	-134	-123	--	-55	-124	-122	-108	-72	-84	-105	-150	-105	-102	-238	-75	
MW-46WR	27	-6	-55	-25	-20	-23	-39	-38	-18	11	59	58	38	-11	-27	8	-71	-7	
MW-70/70S	11	-32	-20	--	-69	-33	-47	-42	-42	-6	51	-28	-39	-29	-32	45	-78	-8	
MW-71/71S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-11W	--	-48	--	--	--	-39	--	--	--	--	--	12	--	--	-31	--	--	--	
MW-30WR	--	-72	--	--	-136	--	--	-124	--	--	-6	--	--	-41	--	--	-163	--	
MW-32WR	--	-131	--	--	-152	--	--	-152	--	--	--	-67	--	-97	--	--	-163	--	
MWBS-02D	--	-98	--	--	--	--	--	-99	--	--	-104	--	--	--	-124	--	--	-133	
MWBS-02I	--	-60	--	--	-21	--	--	-33	--	--	-40	--	--	--	-72	--	--	-141	
MWBS-02S	--	-101	--	--	--	-90	--	-96	--	--	-75	--	--	--	-83	--	--	-163	

Table 4-1
 Summary of Groundwater Parameter Data
 Union Boulevard Oxygen Injection System
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 3 (OU-3)

Monitoring Well	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09
pH (st. units)																		
IO-10	6.69	6.16	6.51	6.31	5.78	5.89	6.32	6.83	6.02	6.56	6.22	6.07	6.35	6.17	6.61	6.15	6.58	6.15
MW-34D	6.23	5.82	5.90	5.79	5.79	--	5.82	6.06	5.47	5.90	5.78	5.62	5.95	5.96	6.00	5.87	6.26	5.82
MW-34I	6.60	7.67	6.16	6.14	5.97	--	7.79	6.84	8.02	5.97	5.84	5.61	5.92	5.83	5.70	6.05	6.46	6.09
MW-34S	6.60	8.15	5.96	5.85	5.85	--	7.49	6.85	8.76	6.09	6.16	5.86	6.33	6.10	6.25	6.05	6.35	5.79
MW-46WR	6.48	6.58	5.90	5.87	5.71	5.66	6.76	7.33	6.91	5.78	5.88	5.48	5.66	5.79	5.81	5.64	5.87	5.63
MW-70/70S	6.59	7.03	6.28	--	6.24	6.11	6.81	6.53	7.34	5.90	5.82	5.74	--	5.96	5.92	6.26	6.1	5.74
MW-71/71S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-11W	--	5.75	--	--	--	5.59	--	--	--	--	--	5.74	--	--	5.90	--	--	--
MW-30WR	--	7.17	--	--	5.76	--	--	6.86	--	--	5.90	--	--	5.82	--	--	6.15	--
MW-32WR	--	7.96	--	--	6.32	--	--	7.22	--	--	--	5.99	--	6.13	--	--	6.09	--
MWBS-02D	--	7.53	--	--	--	--	--	6.61	--	--	6.39	--	--	--	6.22	--	--	6.17
MWBS-02I	--	7.27	--	--	5.77	--	--	6.29	--	--	5.78	--	--	--	5.95	--	--	5.77
MWBS-02S	--	7.46	--	--	--	5.91	--	6.57	--	--	5.68	--	--	--	5.65	--	--	5.85
Temperature (deg C)																		
IO-10	12.4	15.5	17.0	18.7	20.1	20.3	18.8	16.8	13.6	11.9	11.9	12.9	11.6	13.6	16.4	19.5	19.3	19.4
MW-34D	12.9	13.6	15.1	16.0	16.6	--	16.7	16.5	13.9	13.8	13.3	13.1	12.6	13.1	14.7	15.3	16.2	16.39
MW-34I	12.1	12.8	15.3	17.2	17.0	--	18.1	17.8	13.8	12.7	12.0	12.0	11.2	12.0	15.0	16.8	16.9	17.33
MW-34S	11.6	14.0	17.9	20.7	21.3	--	21.2	17.0	10.0	7.0	7.6	8.3	10.2	13.8	17.0	19.2	21.3	20.16
MW-46WR	13.6	16.7	21.8	24.9	24.3	22.8	19.8	16.9	10.9	8.5	8.8	11.0	12.3	16.1	20.3	23.3	24.7	24.2
MW-70/70S	11.1	14.1	16.8	--	20.9	20.8	18.9	16.7	11.5	6.7	8.8	10.1	9.9	12.8	16.2	21.7	21.6	21.5
MW-71/71S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-11W	--	13.4	--	--	--	22.0	--	--	--	--	--	8.3	--	--	17.2	--	--	--
MW-30WR	--	13.3	--	--	20.7	--	--	16.2	--	--	7.9	--	--	13.6	--	--	20	--
MW-32WR	--	14.2	--	--	21.0	--	--	16.5	--	--	--	9.2	--	14.1	--	--	19.9	--
MWBS-02D	--	11.8	--	--	--	--	--	14.1	--	--	13.8	--	--	--	12.8	--	--	16.3
MWBS-02I	--	10.7	--	--	16.3	--	--	15.6	--	--	9.7	--	--	--	12.8	--	--	17.1
MWBS-02S	--	10.9	--	--	--	16.9	--	16.1	--	--	10.5	--	--	--	12.2	--	--	16.7

Notes:
 mS/cm - milli-siemens per centimeter
 mg/L - milligrams/Liter
 mV - milli-volt
 Not Measured
 Not Measured

Table 4-2
 Summary of Groundwater Parameter Data
 Former Brightwaters Yard Oxygen Injection System
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 3 (OU-3)

Monitoring Well	Apr-04	May-04	Aug-04	Sep-04	Nov-04	Dec-04	Feb-05	Mar-05	May-05	Jun-05	Aug-05	Nov-05	Dec-05	Feb-06	Mar-06
Conductivity (mS/cm)															
MW-64	--	0.330	0.268	--	--	0.379	--	0.269	--	0.409	0.370	--	0.590	0.401	--
MW-65	--	--	0.279	--	--	--	0.268	--	--	0.310	0.326	--	0.492	0.520	0.452
MW-73	0.351	--	0.405	--	0.500	--	0.609	--	0.732	--	0.526	0.851	--	0.827	--
MW-75	--	--	0.289	--	--	--	--	1.100	--	0.314	0.237	--	0.183	--	2.790
MW-76	--	0.408	0.448	--	0.287	--	0.229	--	--	0.279	0.313	--	0.376	0.355	--
MW-78	--	0.408	0.298	--	0.615	--	0.480	--	--	0.739	0.469	0.928	--	0.717	--
MW-79	--	0.253	0.361	--	0.207	--	0.347	--	--	0.630	0.607	1.080	--	0.592	--
MW-80	--	0.396	0.418	--	--	--	--	0.385	--	0.429	0.318	0.899	--	0.368	--
MW-81	--	0.386	0.423	--	0.245	--	--	0.425	--	0.654	0.491	--	0.941	0.680	--
MW-82	--	0.325	0.287	--	0.375	--	--	0.492	--	0.528	0.492	--	0.598	--	0.580
MW-83	--	0.460	0.522	--	0.297	--	0.343	--	--	0.319	0.239	--	0.476	0.518	--
PDMW-01	--	--	0.544	--	--	--	--	0.177	--	0.268	0.265	0.360	--	--	0.266
SV-02	--	0.502	0.107	0.107	--	0.114	--	0.363	--	0.491	0.520	--	0.606	--	0.669
SV-03	--	0.418	0.248	--	--	0.328	0.218	--	--	0.318	0.208	--	0.574	0.346	--
Dissolved Oxygen (mg/L)															
MW-64	--	0.0	0.0	--	--	0.0	--	0.3	--	0.0	2.2	--	0.0	0.0	--
MW-65	--	--	0.0	--	--	--	0.7	--	--	5.9	19.2	--	1.7	20.0	28.0
MW-73	0.0	--	0.0	--	0.0	--	0.4	--	0.0	--	0.0	0.0	--	0.0	--
MW-75	--	--	0.0	--	--	--	--	0.8	--	0.0	0.7	--	0.0	--	0.0
MW-76	--	0.0	0.0	--	0.0	--	0.8	--	--	0.0	0.0	--	0.0	0.0	--
MW-78	--	0.0	0.0	--	0.0	--	0.3	--	--	0.0	0.0	0.0	--	0.0	--
MW-79	--	0.0	0.0	--	0.0	--	0.3	--	--	0.0	0.0	0.0	--	0.0	--
MW-80	--	0.0	0.0	--	--	--	--	0.4	--	0.0	0.0	0.0	--	0.0	--
MW-81	--	0.0	0.0	--	0.0	--	--	0.3	--	0.0	1.0	--	2.9	0.0	--
MW-82	--	0.0	0.0	--	0.0	--	--	0.3	--	0.0	2.9	--	0.0	--	0.0
MW-83	--	0.0	0.0	--	0.0	--	0.3	--	--	0.0	5.9	--	0.0	14.1	--
PDMW-01	--	--	0.0	--	--	--	--	0.0	--	20.0	11.9	20.0	--	--	26.0
SV-02	--	1.3	2.4	0.0	--	5.1	--	6.3	--	0.8	2.2	--	0.0	--	0.0
SV-03	--	0.0	0.0	--	--	0.0	0.5	--	--	0.0	0.0	--	0.0	0.0	--
Oxidation Reduction Potential (mV)															
MW-64	--	-43	-43	--	--	-113	--	-73	--	-54	-3	--	-4	10	--
MW-65	--	--	-34	--	--	--	5	--	--	-65	-4	--	19	70	133
MW-73	-72	--	-126	--	-27	--	-23	--	-176	--	-156	-115	--	-154	--
MW-75	--	--	-37	--	--	--	--	38	--	-132	-152	--	-75	--	2
MW-76	--	-37	-36	--	-7	--	10	--	--	-137	-97	--	-115	-59	--
MW-78	--	-150	-129	--	-121	--	-106	--	--	-160	-226	-118	--	-158	--
MW-79	--	-101	-99	--	-56	--	-72	--	--	-175	-174	-84	--	-167	--
MW-80	--	-103	-98	--	--	--	--	-130	--	-154	-186	-205	--	-268	--
MW-81	--	-130	-129	--	-93	--	--	-96	--	-181	-142	--	-37	-156	--
MW-82	--	-95	-109	--	-51	--	--	-85	--	-175	-190	--	-113	--	-102
MW-83	--	-100	-6	--	-23	--	-159	--	--	-113	-80	--	-95	102	--
PDMW-01	--	--	-39	--	--	--	--	177	--	192	192	181	--	--	191
SV-02	--	150	98	98	--	173	--	185	--	122	84	--	-47	--	69
SV-03	--	-82	-55	--	--	-13	-3	--	--	-173	-138	--	-167	-112	--

Table 4-2
 Summary of Groundwater Parameter Data
 Former Brightwaters Yard Oxygen Injection System
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 3 (OU-3)

Monitoring Well	Apr-04	May-04	Aug-04	Sep-04	Nov-04	Dec-04	Feb-05	Mar-05	May-05	Jun-05	Aug-05	Nov-05	Dec-05	Feb-06	Mar-06
pH (st. units)															
MW-64	--	6.42	6.02	--	--	6.62	--	6.17	--	6.17	6.10	--	5.97	6.02	--
MW-65	--	--	5.79	--	--	--	6.04	--	--	5.75	5.75	--	5.68	5.62	5.57
MW-73	5.96	--	5.88	--	5.99	--	5.70	--	6.00	--	6.14	5.80	--	6.17	--
MW-75	--	--	5.77	--	--	--	--	5.65	--	5.55	5.66	--	5.84	--	5.64
MW-76	--	6.09	6.32	--	6.34	--	6.29	--	--	5.95	6.15	--	6.21	6.22	--
MW-78	--	6.23	6.26	--	6.68	--	6.39	--	--	6.31	6.42	6.17	--	6.15	--
MW-79	--	6.16	5.97	--	6.15	--	6.25	--	--	6.15	6.04	5.89	--	5.98	--
MW-80	--	5.86	5.58	--	--	--	--	5.85	--	5.74	5.96	5.68	--	6.06	--
MW-81	--	6.23	5.96	--	6.24	--	--	5.98	--	6.16	6.22	--	5.89	5.96	--
MW-82	--	6.27	6.08	--	6.34	--	--	6.10	--	6.07	6.12	--	5.66	--	5.83
MW-83	--	6.41	6.29	--	6.56	--	6.66	--	--	5.97	6.08	--	6.24	6.05	--
PDMW-01	--	--	5.94	--	--	--	--	5.86	--	5.86	5.96	6.09	--	--	6.19
SV-02	--	6.10	6.27	6.27	--	5.86	--	5.47	--	5.77	5.54	--	5.95	--	6.12
SV-03	--	6.09	6.02	--	--	5.94	6.16	--	--	5.97	5.98	--	6.01	6.18	--
Temperature (deg C)															
MW-64	--	13.3	15.0	--	--	13.8	--	13.6	--	14.1	14.4	--	14.1	14.3	--
MW-65	--	--	19.3	--	--	--	10.5	--	--	14.1	19.3	--	13.6	11.8	13.4
MW-73	10.2	--	18.2	--	14.5	--	7.8	--	12.7	--	17.8	14.8	--	9.1	--
MW-75	--	--	21.2	--	--	--	--	5.7	--	15.4	20.6	--	11.4	--	9.9
MW-76	--	12.8	21.6	--	13.9	--	5.9	--	--	15.7	22.9	--	11.8	7.6	--
MW-78	--	12.6	15.2	--	13.2	--	10.0	--	--	12.7	15.4	14.3	--	12.0	--
MW-79	--	12.4	14.3	--	13.4	--	11.6	--	--	12.7	15.5	13.4	--	11.4	--
MW-80	--	12.2	16.2	--	--	--	--	10.7	--	13.6	15.3	14.4	--	12.3	--
MW-81	--	12.4	15.5	--	14.3	--	--	11.0	--	12.8	16.2	--	14.3	11.8	--
MW-82	--	13.1	17.7	--	14.4	--	--	11.4	--	13.2	18.0	--	12.5	--	11.0
MW-83	--	14.2	20.3	--	14.2	--	10.6	--	--	14.2	19.4	--	12.9	11.8	--
PDMW-01	--	--	17.5	--	--	--	--	10.5	--	11.9	18.0	17.7	--	--	11.6
SV-02	--	14.3	17.0	22.9	--	9.1	--	3.8	--	19.7	22.1	--	10.6	--	5.4
SV-03	--	12.3	20.2	--	--	9.8	6.8	--	--	15.5	20.8	--	12.5	8.4	--

Table 4-2
 Summary of Groundwater Parameter Data
 Former Brightwaters Yard Oxygen Injection System
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 3 (OU-3)

Monitoring Well	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07
Conductivity (mS/cm)															
MW-64	--	0.273	--	0.266	--	--	0.393	--	--	--	0.368	--	--	--	--
MW-65	0.319	0.218	0.372	0.321	0.326	0.258	0.355	0.265	0.322	0.433	0.328	0.293	0.207	0.187	0.207
MW-73	0.469	--	--	0.414	--	--	0.515	--	0.507	--	--	--	--	--	--
MW-75	0.240	0.116	0.231	0.154	0.132	0.124	0.455	0.134	0.110	0.878	0.316	0.211	0.180	0.200	--
MW-76	0.208	--	--	0.388	--	--	0.364	0.376	--	--	--	0.594	--	--	--
MW-78	0.431	--	--	0.371	--	--	0.301	--	--	0.439	--	--	--	--	--
MW-79	0.406	--	--	0.639	--	--	0.500	--	--	0.635	--	--	--	--	--
MW-80	0.394	--	--	0.463	--	--	0.505	--	--	0.390	--	--	--	--	--
MW-81	--	0.345	--	0.380	--	--	0.446	--	--	--	0.373	--	--	--	--
MW-82	--	0.528	--	0.315	--	--	0.370	--	--	--	--	--	--	--	--
MW-83	0.327	--	--	0.332	--	--	0.486	--	--	--	2.340	--	--	--	--
PDMW-01	0.242	0.225	0.352	0.273	0.820	0.321	0.456	0.369	0.403	0.425	0.382	0.269	0.221	0.304	0.307
SV-02	--	0.366	--	0.165	--	--	--	0.590	--	--	--	0.512	--	--	--
SV-03	0.348	--	--	0.491	0.500	--	--	--	--	--	--	0.785	--	--	--
Dissolved Oxygen (mg/L)															
MW-64	--	0.0	--	0.0	--	--	0.0	--	--	--	0.0	--	--	--	--
MW-65	10.0	13.6	17.0	23.0	30.0	27.0	21.0	32.0	23.0	16.0	20.0	15.0	15.0	31.0	27.0
MW-73	0.0	--	--	0.0	--	--	0.0	--	0.0	--	--	--	--	--	--
MW-75	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.6	0.6	0.0	0.0	0.0	--
MW-76	0.0	--	--	0.0	--	--	0.0	0.0	--	--	--	0.0	--	--	--
MW-78	0.0	--	--	0.0	--	--	0.0	--	--	0.0	--	--	--	--	--
MW-79	0.0	--	--	0.0	--	--	0.5	--	--	0.0	--	--	--	--	--
MW-80	0.0	--	--	0.0	--	--	0.0	--	--	0.0	--	--	--	--	--
MW-81	--	4.5	--	1.1	--	--	1.0	--	--	--	0.0	--	--	--	--
MW-82	--	3.9	--	0.0	--	--	11.9	--	--	--	--	--	--	--	--
MW-83	16.0	--	--	8.9	--	--	9.2	--	--	--	11.8	--	--	--	--
PDMW-01	20.0	26.0	25.0	21.0	24.0	27.0	20.0	22.0	20.0	32.0	28.0	24.0	31.0	30.0	26.0
SV-02	--	3.2	--	1.6	--	--	--	2.5	--	--	--	4.0	--	--	--
SV-03	0.0	--	--	1.3	0.0	--	--	--	--	--	--	0.0	--	--	--
Oxidation Reduction Potential (mV)															
MW-64	--	3	--	38	--	--	43	--	--	--	148	--	--	--	--
MW-65	77	129	194	34	41	71	145	146	205	-31	-118	-40	13	95	82
MW-73	-148	--	--	-272	--	--	-167	--	-194	--	--	--	--	--	--
MW-75	-118	-85	-50	-60	-185	-10	-53	-103	-22	-219	-233	-321	-182	-224	--
MW-76	-103	--	--	-110	--	--	-62	-115	--	--	--	-175	--	--	--
MW-78	-158	--	--	-242	--	--	-120	--	--	-289	--	--	--	--	--
MW-79	-103	--	--	-135	--	--	-121	--	--	-196	--	--	--	--	--
MW-80	-303	--	--	-215	--	--	-194	--	--	-233	--	--	--	--	--
MW-81	--	-155	--	-161	--	--	-163	--	--	--	-193	--	--	--	--
MW-82	--	-12.9	--	-225	--	--	-73	--	--	--	--	--	--	--	--
MW-83	37	--	--	-1	--	--	53	--	--	--	-88	--	--	--	--
PDMW-01	166	180	290	133	154	185	151	202	302	3	-75	87	96	49	139
SV-02	--	125	--	-60	--	--	--	63	--	--	--	-33	--	--	--
SV-03	-110	--	--	-146	-132	--	--	--	--	--	--	-184	--	--	--

Table 4-2
 Summary of Groundwater Parameter Data
 Former Brightwaters Yard Oxygen Injection System
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 3 (OU-3)

Monitoring Well	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07
pH (st. units)															
MW-64	--	6.06	--	6.08	--	--	6.46	--	--	--	5.74	--	--	--	--
MW-65	5.77	5.42	5.31	5.67	5.86	5.80	6.12	5.57	5.46	5.54	5.57	5.71	5.86	5.78	5.50
MW-73	5.96	--	--	6.16	--	--	6.48	--	5.90	--	--	--	--	--	--
MW-75	6.03	5.70	5.95	5.72	6.06	5.74	6.23	5.37	5.63	5.30	5.58	5.82	5.90	5.60	--
MW-76	6.21	--	--	6.20	--	--	6.69	6.21	--	--	--	6.09	--	--	--
MW-78	6.20	--	--	6.46	--	--	7.11	--	--	6.20	--	--	--	--	--
MW-79	5.79	--	--	5.59	--	--	6.35	--	--	5.92	--	--	--	--	--
MW-80	6.21	--	--	6.27	--	--	6.46	--	--	6.07	--	--	--	--	--
MW-81	--	6.01	--	6.04	--	--	6.38	--	--	--	6.00	--	--	--	--
MW-82	--	6.07	--	5.96	--	--	6.38	--	--	--	--	--	--	--	--
MW-83	6.28	--	--	5.92	--	--	6.58	--	--	--	6.20	--	--	--	--
PDMW-01	6.15	5.68	7.38	6.25	6.29	6.15	6.69	6.11	6.14	6.26	6.22	6.25	6.40	6.31	6.31
SV-02	--	6.19	--	5.96	--	--	--	6.02	--	--	--	6.09	--	--	--
SV-03	6.14	--	--	5.90	6.40	--	--	--	--	--	--	5.67	--	--	--
Temperature (deg C)															
MW-64	--	14.6	--	14.1	--	--	14.9	--	--	--	13.6	--	--	--	--
MW-65	15.1	17.9	20.6	17.6	17.6	14.9	16.1	14.8	12.4	10.7	10.7	13.1	11.8	18.4	18.9
MW-73	13.3	--	--	17.9	--	--	14.9	--	9.4	--	--	--	--	--	--
MW-75	14.7	19.4	21.7	21.1	19.2	15.7	13.1	12.2	9.1	5.5	7.1	12.2	13.9	17.6	--
MW-76	15.4	--	--	20.6	--	--	14.9	11.8	--	--	--	8.8	--	--	--
MW-78	13.8	--	--	16.2	--	--	14.1	--	--	11.4	--	--	--	--	--
MW-79	13.5	--	--	15.0	--	--	15.0	--	--	10.3	--	--	--	--	--
MW-80	13.9	--	--	15.2	--	--	15.6	--	--	11.4	--	--	--	--	--
MW-81	--	13.7	--	15.1	--	--	15.6	--	--	--	11.2	--	--	--	--
MW-82	--	14.1	--	16.0	--	--	15.3	--	--	--	--	--	--	--	--
MW-83	14.7	--	--	17.7	--	--	16.1	--	--	--	11.9	--	--	--	--
PDMW-01	13.2	16.3	18.0	18.0	19.1	18.1	17.7	15.6	14.3	11.7	11.5	11.5	11.3	15.1	16.5
SV-02	--	21.5	--	22.5	--	--	--	13.1	--	--	--	8.2	--	--	--
SV-03	15.3	--	--	19.8	14.6	--	--	--	--	--	--	8.7	--	--	--

Table 4-2
 Summary of Groundwater Parameter Data
 Former Brightwaters Yard Oxygen Injection System
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 3 (OU-3)

Monitoring Well	Aug-07	Sep-07	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08
Conductivity (mS/cm)															
MW-64	0.292	--	--	0.226	--	--	--	--	--	--	0.250	--	--	--	--
MW-65	0.207	0.304	0.211	0.314	0.216	26.000	0.283	0.281	0.263	0.295	0.400	0.800	0.589	0.243	0.328
MW-73	0.936	--	--	0.227	--	--	--	--	--	0.337	--	--	0.613	--	--
MW-75	0.188	0.190	0.143	0.335	0.269	0.294	0.269	0.211	--	0.164	0.200	0.334	0.311	--	0.257
MW-76	--	0.546	--	0.405	--	--	--	--	--	--	0.489	--	0.999	--	--
MW-78	0.274	--	--	0.278	--	--	--	--	--	0.294	--	--	0.713	--	--
MW-79	0.353	--	--	0.335	--	--	--	--	--	0.300	--	--	--	--	--
MW-80	0.344	--	--	0.246	--	--	--	--	--	--	0.478	--	0.592	--	--
MW-81	--	--	--	0.196	--	--	--	--	--	--	0.359	--	0.605	--	--
MW-82	--	0.261	0.221	0.211	0.247	0.271	0.282	0.300	0.298	0.258	0.279	0.504	0.491	0.179	0.232
MW-83	--	0.269	--	0.214	--	--	--	--	--	0.381	--	--	0.672	--	--
PDMW-01	--	0.367	0.273	0.381	0.276	0.283	0.330	0.286	0.240	0.262	0.316	--	0.490	0.185	0.238
SV-02	--	--	0.158	--	0.301	--	--	--	--	--	0.295	--	0.108	--	--
SV-03	--	0.466	--	--	0.371	--	--	--	--	--	0.373	--	--	--	--
Dissolved Oxygen (mg/L)															
MW-64	0.0	--	--	0.0	--	--	--	--	--	--	0.8	--	--	--	--
MW-65	33.0	19.0	31.0	31.0	26.0	26.0	18.0	21.0	21.0	13.0	14.0	21.0	35.0	26.0	17.0
MW-73	0.0	--	--	0.0	--	--	--	--	--	1.4	--	--	0.0	--	--
MW-75	0.0	0.0	0.0	0.6	4.0	0.6	0.6	0.0	--	0.6	0.0	0.0	0.0	--	0.0
MW-76	--	0.0	--	0.0	--	--	--	--	--	--	0.5	--	0.0	--	--
MW-78	0.0	--	--	0.0	--	--	--	--	--	6.0	--	--	0.0	--	--
MW-79	13.5	--	--	4.3	--	--	--	--	--	23.0	--	--	--	--	--
MW-80	0.0	--	--	0.0	--	--	--	--	--	--	0.6	--	0.0	--	--
MW-81	--	--	--	0.0	--	--	--	--	--	--	8.5	--	11.2	--	--
MW-82	--	31.0	22.0	16.4	4.0	10.0	5.0	16.0	27.0	15.0	33.0	23.0	25.0	27.0	18.0
MW-83	--	4.0	--	11.2	--	--	--	--	--	4.9	--	--	15.8	--	--
PDMW-01	--	25.0	13.0	24.0	21.0	27.0	20.0	20.0	31.0	20.0	34.0	--	24.0	0.4	24.0
SV-02	--	--	0.1	--	3.8	--	--	--	--	--	0.9	--	1.7	--	--
SV-03	--	0.0	--	--	0.4	--	--	--	--	--	0.5	--	--	--	--
Oxidation Reduction Potential (mV)															
MW-64	111	--	--	132	--	--	--	--	--	--	87	--	--	--	--
MW-65	105	22	96	298	43	6	14	135	188	148	151	188	186	155	165
MW-73	-169	--	--	-115	--	--	--	--	--	-205	--	--	-187	--	--
MW-75	-217	-134	-24	118	-19	-25	-18	-24	--	-158	-190	-33	-152	--	0
MW-76	--	-199	--	-74	--	--	--	--	--	--	-163	--	-65	--	--
MW-78	-232	--	--	-117	--	--	--	--	--	60	--	--	-166	--	--
MW-79	-96	--	--	-42	--	--	--	--	--	54	--	--	--	--	--
MW-80	-229	--	--	-247	--	--	--	--	--	--	-258	--	-314	--	--
MW-81	--	--	--	-47	--	--	--	--	--	--	-69	--	-87	--	--
MW-82	--	-83	110	31	-136	-43	-65	70	109	16	-24	-23	-53	7	-65
MW-83	--	62	--	70	--	--	--	--	--	138	--	--	4	--	--
PDMW-01	--	104	133	474	134	41	26	125	173	122	139	--	121	71	121
SV-02	--	--	99	--	343	--	--	--	--	--	93	--	154	--	--
SV-03	--	-201	--	--	132	--	--	--	--	--	-183	--	--	--	--

Table 4-2
 Summary of Groundwater Parameter Data
 Former Brightwaters Yard Oxygen Injection System
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 3 (OU-3)

Monitoring Well	Aug-07	Sep-07	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08
pH (st. units)															
MW-64	5.95	--	--	5.89	--	--	--	--	--	--	5.89	--	--	--	--
MW-65	5.77	5.69	5.62	5.73	6.56	5.73	5.67	5.57	5.98	5.79	5.60	5.24	5.58	5.51	5.20
MW-73	5.69	--	--	7.10	--	--	--	--	--	8.03	--	--	6.01	--	--
MW-75	5.64	5.43	6.33	4.83	6.93	4.87	5.57	5.65	--	5.93	7.55	5.51	5.16	--	6.33
MW-76	--	6.24	--	6.70	--	--	--	--	--	--	7.10	--	6.20	--	--
MW-78	6.49	--	--	7.70	--	--	--	--	--	6.38	--	--	6.07	--	--
MW-79	6.00	--	--	6.56	--	--	--	--	--	6.22	--	--	--	--	--
MW-80	6.00	--	--	7.20	--	--	--	--	--	--	7.49	--	5.84	--	--
MW-81	--	--	--	6.33	--	--	--	--	--	--	6.96	--	5.78	--	--
MW-82	--	5.91	6.16	6.21	7.85	5.78	6.05	5.81	6.25	6.06	7.11	5.96	5.92	5.99	6.84
MW-83	--	5.82	--	5.78	--	--	--	--	--	6.09	--	--	5.74	--	--
PDMW-01	--	6.24	5.85	5.23	5.92	6.18	6.16	6.09	6.41	6.23	6.32	--	6.20	5.99	6.11
SV-02	--	--	5.58	--	5.03	--	--	--	--	--	6.10	--	5.65	--	--
SV-03	--	6.06	--	--	5.35	--	--	--	--	--	6.73	--	--	--	--
Temperature (deg C)															
MW-64	14.2	--	--	13.8	--	--	--	--	--	--	14.5	--	--	--	--
MW-65	18.4	17.7	17.7	15.5	12.6	10.1	10.9	11.5	13.4	14.4	16.5	20.9	20.1	18.1	16.3
MW-73	18.0	--	--	16.5	--	--	--	--	--	11.3	--	--	18.7	--	--
MW-75	20.4	19.1	18.4	12.4	8.9	7.6	6.8	8.7	--	14.6	18.3	20.7	21.4	--	19.7
MW-76	--	19.7	--	13.2	--	--	--	--	--	--	17.4	--	24.7	--	--
MW-78	14.3	--	--	13.6	--	--	--	--	--	12.5	--	--	15.3	--	--
MW-79	14.8	--	--	14.1	--	--	--	--	--	12.6	--	--	--	--	--
MW-80	15.3	--	--	15.5	--	--	--	--	--	--	13.6	--	17.4	--	--
MW-81	--	--	--	13.7	--	--	--	--	--	--	13.9	--	16.9	--	--
MW-82	--	15.1	14.2	14.0	11.5	10.4	10.2	11.4	12.4	13.7	14.4	15.4	16.4	15.0	15.3
MW-83	--	16.3	--	15.5	--	--	--	--	--	14.3	--	--	20.4	--	--
PDMW-01	--	18.9	18.1	17.2	14.8	12.0	10.8	11.0	12.1	13.9	16.0	--	18.8	18.9	18.5
SV-02	--	--	20.3	--	10.0	--	--	--	--	--	19.5	--	22.5	--	--
SV-03	--	18.7	--	--	11.7	--	--	--	--	--	15.2	--	--	--	--

Table 4-2
 Summary of Groundwater Parameter Data
 Former Brightwaters Yard Oxygen Injection System
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 3 (OU-3)

Monitoring Well	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09
Conductivity (mS/cm)											
MW-64	0.289	--	--	0.240	--	--	--	0.323	--	0.296	--
MW-65	0.286	0.327	0.298	0.292	0.273	0.325	0.329	--	--	0.242	--
MW-73	0.298	--	--	0.881	--	--	0.509	--	--	0.446	--
MW-75	0.136	0.391	1.280	3.410	1.750	0.865	0.860	--	--	--	0.181
MW-76	0.492	--	--	1.230	--	--	--	0.521	--	0.805	--
MW-78	--	--	--	0.458	--	--	0.432	--	--	0.501	--
MW-79	0.472	--	--	0.481	--	--	0.459	--	--	0.391	--
MW-80	0.249	--	--	0.331	--	--	0.437	--	--	--	0.488
MW-81	0.250	--	--	0.307	--	--	--	0.336	--	--	0.368
MW-82	0.207	0.281	0.248	0.262	0.267	--	0.387	--	--	--	0.329
MW-83	0.321	--	--	0.319	--	--	--	0.376	--	0.368	--
PDMW-01	0.238	0.271	0.246	0.265	0.251	0.321	0.345	--	--	--	--
SV-02	--	0.210	--	--	1.040	--	--	0.817	--	--	0.795
SV-03	0.371	--	--	--	1.120	--	--	1.160	--	0.541	--
Dissolved Oxygen (mg/L)											
MW-64	0.0	--	--	0.0	--	--	--	0.0	--	13.1	--
MW-65	0.0	8.0	17.7	14.0	19.1	14.0	6.0	--	--	0.0	--
MW-73	0.0	--	--	0.0	--	--	0.0	--	--	6.2	--
MW-75	6.0	0.0	4.0	0.0	0.0	0.0	0.0	--	--	--	0.0
MW-76	0.0	--	--	0.0	--	--	--	0.0	--	0.0	--
MW-78	--	--	--	0.0	--	--	0.0	--	--	7.2	--
MW-79	8.0	--	--	7.9	--	--	27.0	--	--	20.0	--
MW-80	0.0	--	--	0.0	--	--	0.0	--	--	--	0.0
MW-81	0.0	--	--	14.0	--	--	--	24.0	--	--	23.0
MW-82	5.0	20.0	25.0	13.0	12.0	--	20.0	--	--	--	16.7
MW-83	1.5	--	--	12.4	--	--	--	16.4	--	5.0	--
PDMW-01	23.0	22.0	31.0	30.0	29.0	19.0	15.5	--	--	--	--
SV-02	--	3.9	--	--	6.1	--	--	1.1	--	--	0.0
SV-03	0.0	--	--	--	0.0	--	--	0.0	--	0.0	--
Oxidation Reduction Potential (mV)											
MW-64	113	--	--	91	--	--	--	3	--	48	--
MW-65	151	84	22	86	107	107	78	--	--	132	--
MW-73	-170	--	--	-93	--	--	-124	--	--	-119	--
MW-75	95	-127	-16	13	-3	-10	-144	--	--	--	-187
MW-76	-47	--	--	-12	--	--	--	-139	--	-46	--
MW-78	--	--	--	-107	--	--	-159	--	--	-172	--
MW-79	-34	--	--	-89	--	--	39	--	--	40	--
MW-80	-239	--	--	-164	--	--	-252	--	--	--	-254
MW-81	-90	--	--	46	--	--	--	-10	--	--	0
MW-82	-141	16	29	10	82	--	57	--	--	--	19
MW-83	13	--	--	-7	--	--	--	56	--	86	--
PDMW-01	95	141	34	107	70	112	101	--	--	--	--
SV-02	--	108	--	--	87	--	--	142	--	--	-34
SV-03	-93	--	--	--	-52	--	--	-120	--	-19	--

Table 4-2
 Summary of Groundwater Parameter Data
 Former Brightwaters Yard Oxygen Injection System
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 3 (OU-3)

Monitoring Well	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09
pH (st. units)											
MW-64	5.82	--	--	5.68	--	--	--	5.84	--	5.85	--
MW-65	5.57	5.99	5.49	5.46	5.41	5.94	5.74	--	--	6.04	--
MW-73	6.96	--	--	5.82	--	--	6.05	--	--	6.40	--
MW-75	6.47	7.90	5.65	5.21	5.84	6.29	5.98	--	--	--	5.59
MW-76	6.75	--	--	6.13	--	--	--	6.54	--	7.12	--
MW-78	--	--	--	5.95	--	--	6.49	--	--	6.54	--
MW-79	6.31	--	--	6.02	--	--	6.10	--	--	5.95	--
MW-80	7.20	--	--	5.91	--	--	6.37	--	--	--	6.15
MW-81	6.66	--	--	5.79	--	--	--	5.93	--	--	6.10
MW-82	6.59	6.67	5.91	5.57	5.40	--	6.01	--	--	--	7.07
MW-83	6.34	--	--	6.20	--	--	--	5.96	--	6.31	--
PDMW-01	6.87	5.41	6.28	6.23	6.17	6.62	6.29	--	--	--	--
SV-02	--	5.62	--	--	5.67	--	--	5.80	--	--	5.79
SV-03	6.33	--	--	--	5.90	--	--	5.96	--	7.14	--
Temperature (deg C)											
MW-64	14.4	--	--	13.2	--	--	--	13.9	--	15.6	--
MW-65	15.0	14.7	5.8	12.6	11.6	11.7	15.5	--	--	18.7	--
MW-73	15.7	--	--	7.5	--	--	11.8	--	--	18.5	--
MW-75	11.9	9.1	6.4	8.3	10.3	10.8	14.9	--	--	--	19.8
MW-76	14.3	--	--	6.8	--	--	--	17.7	--	23.3	--
MW-78	--	--	--	11.0	--	--	13.1	--	--	15.2	--
MW-79	15.0	--	--	12.9	--	--	13.1	--	--	15.9	--
MW-80	15.6	--	--	11.9	--	--	13.3	--	--	--	15.5
MW-81	12.8	--	--	9.9	--	--	--	13.9	--	--	15.0
MW-82	13.9	12.0	11.1	12.6	12.4	--	13.2	--	--	--	15.2
MW-83	15.1	--	--	12.8	--	--	--	14.1	--	18.3	--
PDMW-01	17.7	14.2	12.1	12.4	10.9	10.0	12.4	--	--	--	--
SV-02	--	10.6	--	--	5.2	--	--	17.2	--	--	20.9
SV-03	14.1	--	--	--	7.9	--	--	15.2	--	19.9	--

Notes:
 mS/cm - milli-siemens per centimeter
 mg/L - milligrams per Liter
 mV - milli-volt

Table 4-3
 Summary of Heterotrophic Plate Count Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 3 (OU-3)

Well ID	Total Heterotrophic Plate Count (cfu/ml)									
	Q1 2001	Q2 2001	Q3 2001	Q4 2001	Q1 2002	Q2 2002	Q3 2002	Q4 2002	Q2 2004	Q3 2004
MW-02S	--	--	--	--	--	--	--	--	10,000	--
MW-02SR	--	--	--	--	--	--	--	--	--	TNTC
MW-16S	--	--	--	--	--	--	--	--	2,700	--
MW-16SR	--	--	--	--	--	--	--	--	--	TNTC
MW-30W	1,400	240	200	60,000	290	5,600	5,100	7,200	--	--
MW-34S	330	>300	2,200	220,000	>3,000	--	14,000	570	1,800	320
MW-46W	>3,000	>300	--	--	--	--	--	--	--	--
MW-46WR	--	--	--	--	--	--	--	46,000	24,000	13,000
MW-64	150	--	--	34,000	--	360,000	110,000	760	--	--
MW-70/70S	3,000	>300	6,000	4,100	140	1,900	3,700	57	660	TNTC
MW-71/71S	650	190	7,900	17,000	400	88	600	3,800	270	980
MWBS-02S	--	--	--	--	--	--	--	--	160	1,400
PDMW-01	--	--	--	--	--	--	--	--	150	83
PDMW-02	--	--	--	--	--	--	--	--	13	TNTC
OU3MW-01S	--	--	--	--	--	--	--	--	--	--
OU3MW-02S	--	--	--	--	--	--	--	--	--	--
OU3MW-02I	--	--	--	--	--	--	--	--	--	--

Table 4-3
 Summary of Heterotrophic Plate Count Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 3 (OU-3)

Well ID	Total Heterotrophic Plate Count (cfu/ml)									
	Q4 2004	Q1 2005	Q2 2005	Q3 2005	Q4 2005	Q1 2006	Q2 2006	Q3 2006	Q4 2006	Q1 2007
MW-02S	--	--	--	--	--	--	--	--	--	--
MW-02SR	2,200	1,600	1,400	2,500	1,100	1,200	95	350	1,000	560
MW-16S	--	--	--	--	--	--	--	--	--	--
MW-16SR	6,400	160	2,000	1,100	23,000	6,000	1,700	4100	30,000	12,000
MW-30W	--	--	--	--	--	--	--	--	--	--
MW-34S	750	420	1,300	420	5,800	640	730	1900	1,000	2,200
MW-46W	--	--	--	--	--	--	--	--	--	--
MW-46WR	6,600	4,400	2,000	1,800	1,800	1,000	22,000	2800	4,600	2,100
MW-64	--	--	--	--	--	--	--	--	--	--
MW-70/70S	7,800	340	8,200	2,600	900	800	470	350	170	180
MW-71/71S	4,200	--	--	--	--	--	--	--	--	--
MWBS-02S	1,200	250	100	220	340	260	55	45	26	74
PDMW-01	78	110	220	71	810	140	45	240	50	33
PDMW-02	200	29,000	2,200	2,300	6,000	4,300	3,000	720	2,400	1,700
OU3MW-01S	--	--	--	--	--	--	--	--	--	--
OU3MW-02S	--	--	--	--	--	--	--	--	--	--
OU3MW-02I	--	--	--	--	--	--	--	--	--	--

Table 4-3
 Summary of Heterotrophic Plate Count Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 3 (OU-3)

Well ID	Total Heterotrophic Plate Count (cfu/ml)									
	Q2 2007	Q3 2007	Q4 2007	Q1 2008	Q2 2008	Q3 2008	Q4 2008	Q1 2009	Q2 2009	Q3 2009
MW-02S	--	--	--	--	--	--	--	--	--	--
MW-02SR	70	190	300	76	44	380	290	130	110	--
MW-16S	--	--	--	--	--	--	--	--	--	--
MW-16SR	3,200	2,000	416,400	137,500	84,000	7,765	25,000	4,300	16,000	--
MW-30W	--	--	--	--	--	--	--	--	--	--
MW-34S	130	9,000	370	1,000	390	580	360	100	2,400	210
MW-46W	--	--	--	--	--	--	--	--	--	--
MW-46WR	560	8,600	3,200	15,000	120	1,400	800	170	12,000	4,200
MW-64	--	--	--	--	--	--	--	--	--	--
MW-70/70S	44	1,700	170	2,000	80	580	680	120	920	390
MW-71/71S	--	--	--	--	--	--	--	--	--	--
MWBS-02S	16	100	160	280	340	860	650	550	55	220
PDMW-01	22	420	130	38	120	1,000	200	280	140	--
PDMW-02	390	2,000	110	2,100	95	5,200	3,300	3,700	600	--
OU3MW-01S	--	--	--	--	--	--	--	--	--	960
OU3MW-02S	--	--	--	--	--	--	--	--	--	1,200
OU3MW-02I	--	--	--	--	--	--	--	--	--	300

Notes:
 cfu/ml - colony forming units per milliliter
 TNTC - too numerous to count
 bgs - below ground surface
 -- Not Sampled

Table 4-4
 Water Level Measurements and Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 3 (OU-3)

Well ID	Date of Measurement	Time of Measurement	Well Casing Diameter (inches)	Well Elevation ¹ (feet above MSL)	Depth to Water (feet)	Water Elevation (feet above MSL)	Comments
BBMW-09S	7/13/2009	13:25	2.00	21.93	6.87	15.06	
BBMW-09I	7/13/2009	13:27	2.00	22.01	6.92	15.09	
BBMW-09D	7/13/2009	13:31	2.00	22.43	7.37	15.06	
BBMW-28S	7/14/2009	8:31	2.00	16.43	2.37	14.06	
BBMW-28I	7/14/2009	8:32	2.00	16.43	2.38	14.05	
BBMW-29	7/14/2009	13:15	0.50	15.82	3.55	12.27	
BBMW-30S	7/14/2009	11:34	2.00	16.02	2.03	13.99	
BBMW-30I	7/14/2009	11:35	2.00	15.69	1.72	13.97	
BBMW-30D	7/14/2009	11:36	2.00	16.53	2.61	13.92	
BBMW-31S	7/14/2009	13:42	2.00	13.49	2.28	11.21	
BBMW-31I	7/14/2009	13:43	2.00	13.33	2.13	11.20	
BBMW-31D	7/14/2009	13:43	2.00	13.37	2.16	11.21	
BBMW-32S	7/14/2009	13:21	2.00	14.44	1.95	12.49	
BBMW-32I	7/14/2009	13:22	2.00	15.50	2.00	13.50	
BBMW-32D	7/14/2009	13:22	2.00	14.54	2.07	12.47	
BBMW-33	7/14/2009	13:59	2.00	16.58	2.93	13.65	
GM-02AS	7/14/2009	11:23	1.25	20.79	9.93	10.86	
GM-02AI	7/14/2009	11:24	1.25	20.75	9.87	10.88	
GM-02AD	7/14/2009	11:25	1.25	20.74	9.70	11.04	
MW-01S	7/13/2009	14:29	4.00	19.34	2.92	16.42	
MW-01D	7/13/2009	14:29	4.00	19.48	3.04	16.44	
MW-02S/SR	-	-	2.00	21.67	-	NC	Abandoned
MW-02I/R	-	-	2.00	21.37	-	NC	Abandoned
MW-03	7/13/2009	14:16	4.00	19.30	3.49	15.81	
MW-04	7/13/2009	14:13	4.00	19.16	3.66	15.50	
MW-16S/SR	-	-	2.00	21.80	-	NC	Abandoned
MW-16I	-	-	2.00	21.77	-	NC	Abandoned
MW-29S	7/13/2009	14:23	2.00	18.34	2.34	16.00	
MW-29D	7/13/2009	14:23	2.00	18.44	2.44	16.00	
MW-30WR	7/14/2009	14:47	2.00	14.83	2.00	12.83	
MW-32W/WR	7/14/2009	11:43	0.50	14.65	1.29	13.36	
MW-34S	7/14/2009	13:52	0.75	15.69	1.87	13.82	
MW-34I	7/14/2009	13:52	0.75	15.73	1.93	13.80	
MW-34D	7/14/2009	13:53	1.00	15.58	1.78	13.80	
MW-45W	7/14/2009	13:33	0.75	15.20	0.99	14.21	
MW-64	7/14/2009	8:41	2.00	16.10	1.45	14.65	
MW-65	7/14/2009	8:36	2.00	15.62	1.02	14.60	
MWBS-02S	7/14/2009	11:07	1.00	13.58	1.88	11.70	
MWBS-02I	7/14/2009	11:09	0.75	13.46	2.11	11.35	
MWBS-02D	7/14/2009	11:08	0.75	13.54	2.10	11.44	
BBSW-13*	7/14/2009	11:17	NA	13.07	2.58	10.49	Cooper Lane near unnamed pond

Notes:

- 1 - Well Elevations obtained from 2007 Survey and reference NVGD88 datum
- MSL - Mean Sea Level
- NC - Not Calculated
- * - Surface Water Gauging Station

Table 4-5
 Historic Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 3 (OU-3)

Well Identification	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)									
		December-78	October-92	June-97	August-97	March-98	June-98	November-99	June-01	July-01	October-01
BBMW-09S	5.0 - 15.0	NM	NM	NM	NM	NM	NM	14.17	NM	NM	NM
BBMW-09I	30.0 - 40.0	NM	NM	NM	NM	NM	NM	14.17	NM	NM	NM
BBMW-09D	62.0 - 72.0	NM	NM	NM	NM	NM	NM	14.08	NM	NM	NM
BBMW-28S	2.0 - 12.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-28I	10.0 - 20.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-29	2.0 - 9.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-30S	2.0 - 10.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-30I	14.0 -19.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-30D	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-31S	2.0 - 10.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-31I	14.0 -19.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-31D	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-32S	2.0 - 10.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-32I	14.0 -19.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-32D	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-33	7.0 - 12.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
GM-02AS	8.91 - 23.91	10.17	10.19	NM	NM	NM	NM	10.43	NM	NM	NM
GM-02AI	35.24 - 50.24	10.12	10.21	NM	NM	NM	NM	10.46	NM	NM	NM
GM-02AD	59.8 - 74.8	10.38	10.42	NM	NM	NM	NM	10.63	NM	NM	NM
MW-01S	4.0 - 14.0	NM	NM	14.88	NM	NM	NM	NM	15.39	NM	NM
MW-01D	35.0 - 45.0	NM	NM	14.74	NM	NM	NM	NM	15.57	NM	NM
MW-02S/SR	2.0 -12.0	NM	14.67	NM	14.35	16.41	15.77	15.15	15.47	14.42	13.7
MW-02I/R	22.5 - 23.5	NM	NM	NM	15.1	16.74	NM	15.46	NM	NM	NM
MW-03	4.94 - 14.94	NM	NM	15.19	14.34	16.2	15.65	14.8	NM	NM	NM
MW-04	5.1 - 15.1	NM	NM	NM	14.09	NM	15.38	14.59	NM	NM	NM
MW-16S/SR	2.0 - 10.0	NM	NM	NM	NM	15.32	14.8	13.88	14.34	13.66	13.25
MW-16I	14.0 - 19.0	NM	NM	NM	NM	15.66	15.11	14.22	NM	NM	NM
MW-29S	5.0 - 10.0	NM	NM	NM	NM	NM	NM	15.12	NM	NM	NM
MW-29D	14.0 - 19.0	NM	NM	NM	NM	16.52	NM	15.11	NM	NM	NM
MW-30W	2.0 - 10.0	NM	NM	15.2	14.57	15.89	15.37	NM	NM	NM	NM
MW-30WR	2.0 - 10.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-32W/WR	2.0 - 10.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-34S	2.0 - 10.0	NM	NM	13.42	12.76	14.2	13.64	NM	NM	NM	NM
MW-34I	18.5 - 19.5	NM	NM	NM	12.77	14.17	13.66	13.12	NM	NM	NM
MW-34D	27.5 - 28.5	NM	NM	NM	12.78	14.64	13.68	13.12	NM	NM	NM
MW-45W	2.0 - 10.0	NM	NM	13.55	12.85	14.34	13.82	NM	NM	NM	NM
MW-64	19.0 - 24.0	NM	NM	NM	NM	15.4	14.85	13.94	NM	NM	NM
MW-65	11.0 - 16.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWBS-02S	5 - 15	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWBS-02I	14.5 - 15.5	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWBS-02D	24.5 - 25.5	NM	NM	NM	10.39	11.57	11.32	11	NM	NM	NM

Table 4-5
 Historic Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 3 (OU-3)

Well Identification	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)									
		June-02	August-02	November-02	March-03	July-03	September-03	October-03	January-04	April-04	August-04
BBMW-09S	5.0 - 15.0	14.84	12.61	14.85	15.27	15.28	14.22	NM	14.65	15.41	14.05
BBMW-09I	30.0 - 40.0	14.82	12.6	14.84	15.27	15.25	14.22	NM	14.64	15.39	14.04
BBMW-09D	62.0 - 72.0	14.78	12.61	14.81	15.25	15.28	14.22	NM	14.63	16.37	14.04
BBMW-28S	2.0 - 12.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-28I	10.0 - 20.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-29	2.0 - 9.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-30S	2.0 - 10.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-30I	14.0 - 19.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-30D	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-31S	2.0 - 10.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-31I	14.0 - 19.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-31D	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-32S	2.0 - 10.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-32I	14.0 - 19.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-32D	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-33	7.0 - 12.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
GM-02AS	8.91 - 23.91	10.33	NM	NM	11.03	11.03	10.23	NM	10.69	11.86	10.08
GM-02AI	35.24 - 50.24	10.35	NM	NM	NM	NM	10.24	NM	10.74	11.87	10.1
GM-02AD	59.8 - 74.8	10.44	NM	NM	11.32	11.22	10.42	NM	10.97	12.03	10.25
MW-01S	4.0 - 14.0	NM	NM	13.64	15.89	16.59	16.54	15.93	NM	15.93	17.36
MW-01D	35.0 - 45.0	NM	NM	13.66	15.88	16.61	16.58	15.64	NM	15.95	17.38
MW-02S/SR	2.0 - 12.0	15.47	13.02	NM	NM	NM	NM	14.79	14.93	16.47	NM
MW-02I/R	22.5 - 23.5	20.02	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-03	4.94 - 14.94	13.53	13.18	15.32	15.98	16	15.02	NM	15.31	16.77	14.67
MW-04	5.1 - 15.1	14.85	12.98	16.28	19.16	15.84	14.89	NM	NM	16.61	14.57
MW-16S/SR	2.0 - 10.0	14.98	12.35	15.04	15.5	15.4	14.35	NM	14.79	16.47	NM
MW-16I	14.0 - 19.0	14.92	12.7	14.89	15.32	15.29	14.28	NM	14.71	16.08	NM
MW-29S	5.0 - 10.0	NM	13.55	15.69	16.3	16.24	15.35	NM	15.64	17.84	15.09
MW-29D	14.0 - 19.0	NM	13.53	15.68	16.34	NM	15.34	NM	15.65	17.03	15.08
MW-30W	2.0 - 10.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-30WR	2.0 - 10.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-32W/WR	2.0 - 10.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-34S	2.0 - 10.0	NM	NM	NM	14.13	14.07	13.01	NM	13.52	14.8	12.97
MW-34I	18.5 - 19.5	13.05	NM	NM	14.08	14.02	12.98	NM	13.48	14.76	12.92
MW-34D	27.5 - 28.5	13.07	NM	NM	14.07	14.03	12.98	NM	13.47	14.8	12.93
MW-45W	2.0 - 10.0	NM	NM	NM	NM	NM	13.32	NM	13.71	14.87	13.2
MW-64	19.0 - 24.0	NM	NM	NM	NM	NM	13.95	NM	14.87	15.77	13.85
MW-65	11.0 - 16.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWBS-02S	5 - 15	NM	NM	NM	NM	NM	NM	NM	NM	NM	10.77
MWBS-02I	14.5 - 15.5	NM	NM	NM	NM	NM	NM	NM	NM	NM	10.69
MWBS-02D	24.5 - 25.5	11.3	NM	NM	NM	NM	NM	NM	NM	NM	10.69

Table 4-5
 Historic Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 3 (OU-3)

Well Identification	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)									
		October-04	February-05	May-05	August-05	November-05	February-06	May-06	July/Aug-06	November-06	January-07
BBMW-09S	5.0 - 15.0	14.48	15.17	14.99	13.79	15.55	15.43	14.93	14.63	15.09	15.02
BBMW-09I	30.0 - 40.0	14.47	15.16	14.97	13.8	15.54	15.42	14.92	14.63	15.10	15.02
BBMW-09D	62.0 - 72.0	14.48	15.16	14.99	13.8	15.52	15.42	14.93	14.63	15.11	15.01
BBMW-28S	2.0 - 12.0	NM	14.31	14.05	12.96	14.45	14.35	13.97	13.65	14.11	14.07
BBMW-28I	10.0 - 20.0	NM	14.28	14.04	12.94	14.45	14.34	13.96	13.63	14.09	14.06
BBMW-29	2.0 - 9.0	NM	12.41	12.22	11.28	12.53	12.46	12.17	11.8	12.28	12.25
BBMW-30S	2.0 - 10.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-30I	14.0 -19.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-30D	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-31S	2.0 - 10.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-31I	14.0 -19.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-31D	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-32S	2.0 - 10.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-32I	14.0 -19.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-32D	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-33	7.0 - 12.0	NM	NM	NM	NM	NM	NM	NM	13.22	13.72	13.59
GM-02AS	8.91 - 23.91	10.35	10.94	10.9	9.94	11.24	11.09	10.83	10.38	10.93	10.94
GM-02AI	35.24 - 50.24	10.37	10.96	10.92	9.96	11.26	11.11	10.85	10.4	10.96	10.94
GM-02AD	59.8 - 74.8	10.59	11.17	11.11	10.06	11.47	11.36	11.05	10.52	11.16	11.20
MW-01S	4.0 - 14.0	15.33	15.77	16.47	16.38	15.08	16.95	16.77	16.28	16.01	16.39
MW-01D	35.0 - 45.0	15.37	15.8	16.46	16.4	15.21	16.87	16.79	16.3	16.07	16.4
MW-02S/SR	2.0 -12.0	14.58	15.29	15.09	NM	NM	NM	NM	14.77	15.23	15.13
MW-02I/R	22.5 - 23.5	14.11	NM	NM	NM	NM	NM	NM	NM	NC	NC
MW-03	4.94 - 14.94	15.18	15.85	15.73	14.49	16.28	16.15	15.65	15.38	15.79	15.74
MW-04	5.1 - 15.1	15.19	15.55	15.55	14.34	16.13	15.9	15.45	15.19	15.56	15.52
MW-16S/SR	2.0 - 10.0	14.14	14.96	15.15	13.52	15.7	15.6	15.01	14.75	15.29	15.11
MW-16I	14.0 - 19.0	14.64	15.25	15.13	NM	15.56	15.46	14.98	14.7	15.15	15.07
MW-29S	5.0 - 10.0	15.48	16.17	16.02	14.84	16.53	16.39	15.91	15.69	16.07	16.00
MW-29D	14.0 - 19.0	15.48	16.15	16.01	14.83	16.52	16.38	15.91	15.68	16.06	16.00
MW-30W	2.0 - 10.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-30WR	2.0 - 10.0	NM	15.3	15.09	14.17	15.4	15.34	15.03	14.69	15.13	15.1
MW-32W/WR	2.0 - 10.0	NM	13.57	13.36	12.36	13.72	13.6	13.26	12.96	13.41	13.32
MW-34S	2.0 - 10.0	13.28	14	13.73	12.73	14.12	14.03	13.59	13.35	13.81	13.75
MW-34I	18.5 - 19.5	13.25	13.97	13.72	12.74	14.12	14.01	13.65	13.35	13.80	13.75
MW-34D	27.5 - 28.5	13.26	13.97	13.72	12.75	14.13	14.01	13.66	13.35	14.30	13.76
MW-45W	2.0 - 10.0	13.4	14.13	13.97	12.85	14.26	14.15	13.78	13.49	13.97	13.88
MW-64	19.0 - 24.0	14.21	NM	14.73	13.58	15.09	15.07	14.61	14.24	14.75	14.72
MW-65	11.0 - 16.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWBS-02S	5 - 15	10.97	11.58	11.44	10.59	11.7	11.6	11.38	10.93	11.46	11.47
MWBS-02I	14.5 - 15.5	10.91	11.57	11.42	10.55	11.66	11.6	11.39	10.94	11.45	11.45
MWBS-02D	24.5 - 25.5	10.95	11.45	11.44	10.61	11.73	11.6	11.39	10.88	11.47	11.47

Table 4-5
 Historic Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 3 (OU-3)

Well Identification	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)								
		May-07	July/Aug-07	Oct/Nov-07	January-08	April-08	August-08	November-08	January-09	May-09
BBMW-09S	5.0 - 15.0	15.44	14.67	13.75	14.72	15.29	14.12	14.82	14.86	15.22
BBMW-09I	30.0 - 40.0	15.44	14.69	13.76	14.72	15.30	14.11	14.81	14.90	15.23
BBMW-09D	62.0 - 72.0	15.45	14.65	13.74	14.72	15.30	14.12	14.83	14.88	15.24
BBMW-28S	2.0 - 12.0	14.36	13.72	12.89	13.74	14.28	13.23	13.94	13.92	14.30
BBMW-28I	10.0 - 20.0	14.34	13.71	12.88	13.73	14.29	13.22	13.94	13.90	14.29
BBMW-29	2.0 - 9.0	12.53	11.87	11.30	12.03	12.45	11.54	12.21	12.16	12.48
BBMW-30S	2.0 - 10.0	NM	13.68	12.93	13.71	14.22	13.21	13.90	13.87	14.27
BBMW-30I	14.0 - 19.0	NM	13.70	12.92	13.67	14.24	13.21	13.91	13.86	14.25
BBMW-30D	30.0 - 35.0	NM	13.67	12.91	13.64	14.20	13.16	13.88	13.83	14.22
BBMW-31S	2.0 - 10.0	NM	10.76	10.51	11.13	11.40	10.46	11.23	11.20	11.48
BBMW-31I	14.0 - 19.0	NM	10.77	10.52	11.12	11.40	10.45	11.22	11.18	11.38
BBMW-31D	30.0 - 35.0	NM	10.77	10.52	11.12	11.42	10.46	11.23	11.19	11.38
BBMW-32S	2.0 - 10.0	NM	12.15	11.58	12.29	12.72	11.75	12.45	12.43	12.74
BBMW-32I	14.0 - 19.0	NM	13.16	12.59	13.30	13.72	12.74	13.45	13.42	13.74
BBMW-32D	30.0 - 35.0	NM	13.09	11.56	12.26	12.69	11.71	12.42	12.39	12.71
BBMW-33	7.0 - 12.0	13.93	13.24	12.56	13.39	13.85	12.78	13.53	13.48	13.89
GM-02AS	8.91 - 23.91	11.31	10.46	10.10	10.73	11.03	10.06	10.85	10.84	10.93
GM-02AI	35.24 - 50.24	11.33	10.48	10.12	10.76	11.04	10.07	10.88	10.85	10.95
GM-02AD	59.8 - 74.8	11.51	10.61	10.26	11.74	11.27	10.18	11.04	11.05	11.36
MW-01S	4.0 - 14.0	16.37	16.79	16.01	15.93	16.59	15.38	16.08	NC	16.53
MW-01D	35.0 - 45.0	16.38	16.8	16	15.95	16.61	15.41	16.11	16.27	16.55
MW-02S/SR	2.0 - 12.0	15.58	14.86	13.87	14.87	15.49	14.23	14.97	14.98	15.32
MW-02I/R	22.5 - 23.5	NC	NC	13.83	14.56	15.29	14.18	14.84	14.89	15.24
MW-03	4.94 - 14.94	16.16	15.38	14.43	15.39	16.02	14.81	15.49	15.62	15.97
MW-04	5.1 - 15.1	15.73	15.14	14.20	15.07	NC	14.58	15.27	15.28	NC
MW-16S/SR	2.0 - 10.0	15.92	15.03	13.89	14.81	16.14	14.22	14.94	15.00	15.97
MW-16I	14.0 - 19.0	15.66	14.77	13.84	14.93	15.35	14.22	14.86	14.94	15.28
MW-29S	5.0 - 10.0	16.41	15.67	NM	15.66	16.23	15.10	15.76	15.88	16.18
MW-29D	14.0 - 19.0	16.40	15.66	NM	15.63	16.22	15.08	15.75	15.88	16.16
MW-30W	2.0 - 10.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-30WR	2.0 - 10.0	15.4	14.74	11.83	12.58	13.04	12.07	12.8	12.75	13.14
MW-32W/WR	2.0 - 10.0	13.64	12.99	12.3	13.09	13.56	12.64	13.28	13.21	NM
MW-34S	2.0 - 10.0	14.07	13.38	NM	13.48	14.00	12.94	13.68	13.64	14.05
MW-34I	18.5 - 19.5	14.07	13.38	NM	13.48	13.98	12.94	13.66	13.63	14.02
MW-34D	27.5 - 28.5	14.08	13.38	NM	13.38	13.98	12.94	13.67	13.67	14.02
MW-45W	2.0 - 10.0	14.22	13.51	12.79	13.56	NC	NC	13.79	NC	14.16
MW-64	19.0 - 24.0	14.99	14.35	13.49	14.33	14.95	13.84	14.52	14.58	14.90
MW-65	11.0 - 16.0	NM	NM	NM	NM	14.88	13.75	14.46	14.51	14.87
MWBS-02S	5 - 15	11.65	11.06	10.67	NC	NC	10.61	11.43	11.38	NM
MWBS-02I	14.5 - 15.5	11.58	10.99	10.63	NC	NC	10.63	11.41	11.34	NM
MWBS-02D	24.5 - 25.5	11.28	11.05	10.67	NC	NC	10.65	11.42	11.22	NM

Table 4-5
 Historic Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 3 (OU-3)

Well Identification	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)			
		July-09	Minimum	Average	Maximum
BBMW-09S	5.0 - 15.0	15.06	12.61	14.75	15.55
BBMW-09I	30.0 - 40.0	15.09	12.6	14.74	15.54
BBMW-09D	62.0 - 72.0	15.06	12.61	14.77	16.37
BBMW-28S	2.0 - 12.0	14.06	12.89	13.91	14.45
BBMW-28I	10.0 - 20.0	14.05	12.88	13.90	14.45
BBMW-29	2.0 - 9.0	12.27	11.28	12.12	12.53
BBMW-30S	2.0 - 10.0	13.99	12.93	13.75	14.27
BBMW-30I	14.0 - 19.0	13.97	12.92	13.75	14.25
BBMW-30D	30.0 - 35.0	13.92	12.91	13.71	14.22
BBMW-31S	2.0 - 10.0	11.21	10.46	11.04	11.48
BBMW-31I	14.0 - 19.0	11.20	10.45	11.03	11.4
BBMW-31D	30.0 - 35.0	11.21	10.46	11.03	11.42
BBMW-32S	2.0 - 10.0	12.49	11.58	12.29	12.74
BBMW-32I	14.0 - 19.0	13.50	12.59	13.29	13.74
BBMW-32D	30.0 - 35.0	12.47	11.56	12.37	13.09
BBMW-33	7.0 - 12.0	13.65	12.56	13.45	13.93
GM-02AS	8.91 - 23.91	10.86	9.94	10.69	11.86
GM-02AI	35.24 - 50.24	10.88	9.96	10.69	11.87
GM-02AD	59.8 - 74.8	11.04	10.06	10.93	12.03
MW-01S	4.0 - 14.0	16.42	13.64	16.06	17.36
MW-01D	35.0 - 45.0	16.44	13.66	16.08	17.38
MW-02S/SR	2.0 - 12.0	NC	13.02	14.96	16.47
MW-02I/R	22.5 - 23.5	NC	13.83	15.36	20.02
MW-03	4.94 - 14.94	15.81	13.18	15.39	16.77
MW-04	5.1 - 15.1	15.50	12.98	15.32	19.16
MW-16S/SR	2.0 - 10.0	NC	12.35	14.83	16.47
MW-16I	14.0 - 19.0	NC	12.7	14.93	16.08
MW-29S	5.0 - 10.0	16.00	13.55	15.81	17.84
MW-29D	14.0 - 19.0	16.00	13.53	15.79	17.03
MW-30W	2.0 - 10.0	NM	14.57	15.26	15.89
MW-30WR	2.0 - 10.0	12.83	11.83	14.02	15.4
MW-32W/WR	2.0 - 10.0	13.36	12.3	13.20	13.72
MW-34S	2.0 - 10.0	13.82	12.73	13.65	14.8
MW-34I	18.5 - 19.5	13.80	12.74	13.61	14.76
MW-34D	27.5 - 28.5	13.80	12.75	13.65	14.8
MW-45W	2.0 - 10.0	14.21	12.79	13.75	14.87
MW-64	19.0 - 24.0	14.65	13.49	14.55	15.77
MW-65	11.0 - 16.0	14.60	13.75	14.51	14.88
MWBS-02S	5 - 15	11.70	10.59	11.24	11.7
MWBS-02I	14.5 - 15.5	11.35	10.55	11.20	11.66
MWBS-02D	24.5 - 25.5	11.44	10.39	11.17	11.73

Note:
 NM - not measured
 NC - not calculated
 bgs - below ground surface
 Well Elevations obtained from 2007 Survey and reference
 NVGD88 datum

Table 4-6
 Summary of Historic Total BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Total BTEX Groundwater Concentrations (ug/L)											
		Sampling Date											
		1992	1997		1998			1999			2000		
Sept	June	Aug	Mar	June	Dec	Mar	June	Sept	Oct/Nov	Feb	May		
BBMW-09S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	85	--	--
BBMW-09I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	0	--	--
BBMW-09D	62.0 - 72.0	--	--	--	--	--	--	--	--	--	15	--	--
BBMW-28S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-28I	10.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-29	2.0 - 9.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-30S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-30I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-30D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-33	7.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
BW-UST-10	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BW-UST-11	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BW-UST-28	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BW-UST-29	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AS	8.91 - 23.91	0	--	--	--	--	--	--	--	0	0	--	--
GM-02AI	35.24 - 50.24	0	--	--	--	--	--	--	--	0	0	--	--
GM-02AD	59.8 - 74.8	0	--	--	--	--	--	--	--	0	0	--	--
IO-10	6.0 - 16.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-01S	4.0 - 14.0	0	0	--	0	--	--	--	--	--	0	--	--
MW-01D	35.0 - 45.0	0	--	--	0	--	--	--	--	--	0	--	--
MW-02S/S-R	2.0 - 12.0	161,000	98,200	90,100	143,200	103,200	103,400	132,000	125,100	295,000	72,100	73,000	73,200
MW-02I/I-R	22.5 - 23.5	--	--	238,900	1,435	4,201	650	965	144	0	65	199	33
MW-03	4.94 - 14.94	--	35	--	1	--	--	--	--	--	178	--	--
MW-04	5.1 - 15.1	--	1	--	0	--	--	--	--	--	0	--	--
MW-11W	2.0 - 10.0	--	--	--	--	2,130	635	1,355	4,070	6,910	2,547	1,401	2,360
MW-12W	2.0 - 10.0	--	0	--	--	0	--	--	--	--	--	--	--
MW-16W	2.0 - 10.0	--	55	--	--	--	--	--	--	--	--	--	--
MW-16SR	2.0 - 10.0	--	--	--	79,600	46,190	20,640	1,830	28,980	64,900	3,627	71,900	34,900
MW-16I	14.0 - 19.0	--	--	--	24	10	55	1	45	0	0	6	12
MW-17W	2.0 - 10.0	--	0	--	--	--	--	--	--	--	--	--	--
MW-26D	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-29S	5.0 - 10.0	--	--	--	--	--	0	0	--	0	0	0	0

Table 4-6
 Summary of Historic Total BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Total BTEX Groundwater Concentrations (ug/L)											
		Sampling Date											
		1992	1997		1998			1999			2000		
Sept	June	Aug	Mar	June	Dec	Mar	June	Sept	Oct/Nov	Feb	May		
MW-29D	14.0 - 19.0	--	--	--	0	--	0	0	0	0	0	0	0
MW-30W/W-R	2.0 - 10.0	--	11,740	--	--	--	--	--	--	--	--	--	--
MW-32W/W-R	2.0 - 10.0	--	22,000	--	--	4,020	45,800	18,460	3,620	--	--	--	--
MW-34S	2.0 - 10.0	--	39,100	17,000	--	17,600	49,500	3,910	19,750	34,700	28,400	22,700	9,600
MW-34I	18.5 - 19.5	--	--	25,600	--	0	3	0	0	0	6	10	3
MW-34D	27.5 - 28.5	--	--	16,200	--	35	3	0	1	0	0	15	0
MW-45W	2.0 - 10.0	--	5,500	--	195	--	--	--	--	--	--	--	--
MW-46W/W-R	2.0 - 10.0	--	30,000	--	29,900	--	--	--	--	--	--	--	--
MW-64	19.0 - 24.0	--	--	--	0	0	0	0	0	0	0	25	--
MW-65	11.0 - 16.0	--	--	--	0	--	--	--	--	18	--	31	0
MW-66S	1.5 - 11.5	--	--	--	0	--	--	--	--	--	--	--	--
MW-66D	24.0 - 29.0	--	--	--	0	--	--	--	--	--	--	--	--
MW-68D	25.0 - 30.0	--	--	--	0	0	1	172	2	0	0	--	--
MW-70/70S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-73	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-75	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-76	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-78	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-79	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-80	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-81	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-82	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-83	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
MWBS-01S	5.0 - 15.0	--	2	--	--	--	--	--	--	--	151	--	--
MWBS-02S	5.0 - 15.0	--	997	60	0	--	221	264	40	0	5,510	50	0
MWBS-02I	14.5 - 15.5	--	--	13	330	347	341	9,998	608	0	7	12	0
MWBS-02D	24.5 - 25.5	--	--	62	0	--	2,450	23	25	0	17,530	0	0
MW-UST1	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-UST2	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-UST3	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-01S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03S	1.0 - 11.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04S	1.0 - 11.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04I	16.0 - 21.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D	26.0 - 31.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-06	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--
PDMW-01	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
PDMW-02	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
PDMW-03	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
SV-02	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
SV-03	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-6
 Summary of Historic Total BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Total BTEX Groundwater Concentrations (ug/L)											
		Sampling Date											
		2000		2001				2002					
		Sept	Nov/Dec	Mar	June	Sept	Dec	Jan/Feb	Mar	Apr/May	June/July	Aug/Sept	Nov/Dec
BBMW-09S	5.0 - 15.0	--	--	--	--	--	--	--	--	2	--	3	5
BBMW-09I	30.0 - 40.0	--	--	--	--	--	--	--	--	0	--	--	--
BBMW-09D	62.0 - 72.0	--	--	--	--	--	--	--	--	2	--	--	--
BBMW-28S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-28I	10.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-29	2.0 - 9.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-30S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-30I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-30D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-33	7.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
BW-UST-10	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BW-UST-11	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BW-UST-28	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BW-UST-29	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AS	8.91 - 23.91	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AI	35.24 - 50.24	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AD	59.8 - 74.8	--	--	--	--	--	--	--	--	--	--	--	--
IO-10	6.0 - 16.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-01S	4.0 - 14.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-01D	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-02S/S-R	2.0 - 12.0	137,000	123,100	--	--	--	--	159,200	149,000	166,500	180,000	134,000	149,600
MW-02I/I-R	22.5 - 23.5	--	--	--	--	--	--	--	--	--	--	--	--
MW-03	4.94 - 14.94	--	--	--	--	--	--	--	24	24	--	3	28
MW-04	5.1 - 15.1	--	--	--	--	--	--	--	--	2	--	28	9
MW-11W	2.0 - 10.0	--	1,390	242	4,900	170	489	--	2,410	--	175	101	17
MW-12W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-16W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-16SR	2.0 - 10.0	55,990	15,370	--	--	3,350	122,600	75,500	59,800	24,550	22,700	45,500	4,424
MW-16I	14.0 - 19.0	0	--	--	--	--	--	--	--	--	2	--	--
MW-17W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-26D	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-29S	5.0 - 10.0	10	0	0	2	0	0	--	--	--	0	0	0

Table 4-6
 Summary of Historic Total BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Total BTEX Groundwater Concentrations (ug/L)											
		Sampling Date											
		2000		2001				2002					
		Sept	Nov/Dec	Mar	June	Sept	Dec	Jan/Feb	Mar	Apr/May	June/July	Aug/Sept	Nov/Dec
MW-29D	14.0 - 19.0	8	--	--	--	--	--	--	--	--	0	--	--
MW-30W/W-R	2.0 - 10.0	--	27,200	16	0	40	6,240	--	77	--	0	104	170
MW-32W/W-R	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-34S	2.0 - 10.0	--	8,621	5	3,530	1,500	8	--	71	--	7,440	179	2,142
MW-34I	18.5 - 19.5	0	--	--	--	--	--	--	--	--	3,690	--	--
MW-34D	27.5 - 28.5	55	--	--	--	--	--	--	--	--	0	--	--
MW-45W	2.0 - 10.0	13,230	134	53,700	1,240	24	219	--	--	2,550	7	1	0
MW-46W/W-R	2.0 - 10.0	57,900	25,300	23,800	17,300	--	--	--	--	--	--	--	21,100
MW-64	19.0 - 24.0	0	0	0	0	--	84	--	--	9	0	0	14
MW-65	11.0 - 16.0	0	0	1	0	51	0	--	--	9	0	0	31
MW-66S	1.5 - 11.5	--	--	--	--	--	--	--	--	--	--	--	--
MW-66D	24.0 - 29.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-68D	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-70/70S	2.0 - 12.0	41,100	8,160	7,920	31	7	0	--	403	--	100	3	5
MW-73	2.0 - 12.0	--	--	--	--	--	--	29,500	8,990	7,140	9,400	26,600	5,220
MW-75	2.0 - 12.0	--	--	--	--	--	6,580	4,010	78	45	65,700	82,800	158
MW-76	2.0 - 12.0	--	--	--	--	--	--	2,702	230	37	252	4,560	21
MW-78	5.0 - 20.0	--	--	--	--	--	--	17,400	3,790	2,156	2,840	17,700	1,320
MW-79	5.0 - 20.0	--	--	--	--	--	--	--	2,090	627	74,200	87,100	12,700
MW-80	5.0 - 20.0	--	--	--	--	--	--	48,000	635	457	6,220	87,600	387
MW-81	5.0 - 20.0	--	--	--	--	--	--	--	1,449	1,318	28,200	31,600	1,530
MW-82	5.0 - 20.0	--	--	--	--	--	--	5,840	1,269	110	26,900	48,300	1,444
MW-83	5.0 - 20.0	--	--	--	--	--	--	189	120	3	458	1,297	8
MWBS-01S	5.0 - 15.0	--	--	--	--	--	--	--	--	0	--	--	--
MWBS-02S	5.0 - 15.0	0	6	4	0	0	0	--	1	--	0	0	0
MWBS-02I	14.5 - 15.5	0	4,740	0	59	20	0	--	84	--	0	0	--
MWBS-02D	24.5 - 25.5	0	--	--	--	--	--	--	--	--	3	--	--
MW-UST1	2.0 - 12.0	--	--	--	--	--	--	--	694	885	--	307	1,727
MW-UST2	2.0 - 12.0	--	--	--	--	--	--	--	661	1,340	--	335	599
MW-UST3	2.0 - 12.0	--	--	--	--	--	--	--	75	141	--	21	46
OU3MW-01S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03S	1.0 - 11.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04S	1.0 - 11.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04I	16.0 - 21.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D	26.0 - 31.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-06	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--
PDMW-01	5.0 - 20.0	--	--	--	--	--	--	30,700	19,700	23,100	--	--	14,500
PDMW-02	5.0 - 20.0	--	--	--	--	--	--	86,100	72,600	67,700	93,600	53,300	--
PDMW-03	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
SV-02	2.0 - 12.0	--	--	--	--	--	--	52	40	2	137	820	2
SV-03	2.0 - 12.0	--	--	--	--	--	--	14,780	203	90	2,110	6,410	4

Table 4-6
 Summary of Historic Total BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Total BTEX Groundwater Concentrations (ug/L)											
		Sampling Date											
		2003			2004				2005				2006
Feb-Apr	Jul/Aug	Sept/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	June	August	Nov/Dec	March		
BBMW-09S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0
BBMW-09I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-09D	62.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-28S	2.0 - 12.0	--	--	--	--	--	--	0	0	0	0	--	--
BBMW-28I	10.0 - 20.0	--	--	--	--	--	--	0	0	0	0	--	--
BBMW-29	2.0 - 9.0	--	--	--	--	--	--	0	0	0	4,368	974	--
BBMW-30S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-30I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-30D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-33	7.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	0
BW-UST-10	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BW-UST-11	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BW-UST-28	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BW-UST-29	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AS	8.91 - 23.91	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AI	35.24 - 50.24	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AD	59.8 - 74.8	--	--	--	--	--	--	--	--	--	--	--	--
IO-10	6.0 - 16.0	--	--	--	7,580	5,380	83	10	21,100	290	3,627	45	0
MW-01S	4.0 - 14.0	--	--	--	--	--	--	0	--	--	--	460	--
MW-01D	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-02S/S-R	2.0 - 12.0	99,400	124,800	263,000	149,000	172,400	22,000	427	2,050	13	94	194	945
MW-02I/I-R	22.5 - 23.5	--	--	63	14	--	--	--	62	--	--	--	0
MW-03	4.94 - 14.94	23	85	--	35	51	52	0	22	28	24	27	0
MW-04	5.1 - 15.1	0	69	--	0	0	0	0	0	0	0	0	12
MW-11W	2.0 - 10.0	172	382	16	0	0	0	1,449	30	6,580	1,400	2,071	190
MW-12W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-16W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-16SR	2.0 - 10.0	10,400	27,260	42,700	354	1,320	41,800	317	66,800	65,500	34,600	45,820	42,100
MW-16I	14.0 - 19.0	--	--	0	0	--	--	--	0	--	--	--	0
MW-17W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-26D	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-29S	5.0 - 10.0	0	0	0	0	0	0	0	0	0	0	0	0

Table 4-6
 Summary of Historic Total BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Total BTEX Groundwater Concentrations (ug/L)											
		Sampling Date											
		2003			2004				2005				2006
Feb-Apr	Jul/Aug	Sept/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	June	August	Nov/Dec	March		
MW-29D	14.0 - 19.0	--	--	--	0	--	--	0	--	--	--	0	--
MW-30W/W-R	2.0 - 10.0	--	--	--	--	--	--	--	0	0	10	0	0
MW-32W/W-R	2.0 - 10.0	--	2,290	4,832	1,189	2,048	74,400	33,300	8,413	5,171	4,400	9,200	4,565
MW-34S	2.0 - 10.0	2,141	34,600	2,827	13,000	13,900	3,364	12,370	5,068	11,700	29,200	3,820	14,600
MW-34I	18.5 - 19.5	--	--	--	4,090	--	--	--	1,348	--	--	--	0
MW-34D	27.5 - 28.5	--	0	0	0	--	--	--	0	--	--	--	0
MW-45W	2.0 - 10.0	--	8,500	720	1,950	25,000	2,780	11,300	39,300	14,000	19,300	16,100	14,600
MW-46W/W-R	2.0 - 10.0	35,800	18,800	8,800	43,400	20,800	23,100	22,500	37,100	40,200	42,400	15,760	17,110
MW-64	19.0 - 24.0	85,000	0	0	0	0	24	7,650	0	5,651	0	750	19
MW-65	11.0 - 16.0	0	0	0	0	0	0	3,852	0	0	0	0	0
MW-66S	1.5 - 11.5	--	--	--	--	--	--	--	--	--	--	--	--
MW-66D	24.0 - 29.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-68D	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-70/70S	2.0 - 12.0	23,800	12	1,170	1,114	6,150	39,400	70	267	45,500	57,000	4,630	4,360
MW-73	2.0 - 12.0	--	64,000	89,000	34,000	33,000	71,500	27,700	26,700	26,500	52,000	557	8,460
MW-75	2.0 - 12.0	1,260	161,100	110,500	4,060	1,302	34,500	212	1,815	129,200	157,100	17,000	5,389
MW-76	2.0 - 12.0	0	109	136	0	--	0	33	0	170	23	0	27
MW-78	5.0 - 20.0	11,960	30,800	42,000	11,800	18,200	13,400	8,400	15,700	21,800	8,700	3,090	5,900
MW-79	5.0 - 20.0	69,800	101,600	93,700	116,000	82,600	34,820	24,100	32,300	9,800	7,300	588	3,740
MW-80	5.0 - 20.0	33,300	88,000	126,000	118,000	96,000	81,400	66,900	132,000	197,000	301,000	38,300	44,000
MW-81	5.0 - 20.0	12,930	53,600	33,000	63,000	25,000	20,400	35,200	37,800	22,870	29,100	15,660	5,000
MW-82	5.0 - 20.0	17,910	245,000	46,000	20,280	9,160	30,300	10,400	5,340	25,300	140	58,900	44,200
MW-83	5.0 - 20.0	62	40	950	0	54	0	1,543	788	980	1,280	142	101
MWBS-01S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
MWBS-02S	5.0 - 15.0	0	0	0	2,853	323	0	0	22	82	0	0	0
MWBS-02I	14.5 - 15.5	0	--	--	0	0	0	0	0	0	0	0	0
MWBS-02D	24.5 - 25.5	0	--	--	0	--	--	--	87	--	--	--	191
MW-UST1	2.0 - 12.0	1,033	1,110	1,911	51	2,343	2,700	240	122	660	830	1,083	117
MW-UST2	2.0 - 12.0	1,160	2,400	1,854	440	1,812	3,800	1,430	3,117	1,880	2,700	1,410	1,652
MW-UST3	2.0 - 12.0	33	79	74	145	320	0	22	247	41	12	0	0
OU3MW-01S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03S	1.0 - 11.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04S	1.0 - 11.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04I	16.0 - 21.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D	26.0 - 31.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-06	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--
PDMW-01	5.0 - 20.0	1,400	0	0	0	0	0	0	0	0	0	0	0
PDMW-02	5.0 - 20.0	--	68,000	74,000	115,900	117,600	82,000	83,000	90,000	60,300	37,300	100,000	19,500
PDMW-03	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
SV-02	2.0 - 12.0	127	73,800	92,300	0	0	0	0	0	26,900	24,900	25,500	1,600
SV-03	2.0 - 12.0	5,870	9,810	23,100	33,200	11,600	615	4,400	936	5,509	249	2,702	570

Table 4-6
 Summary of Historic Total BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Total BTEX Groundwater Concentrations (ug/L)										
		Sampling Date										
		2006			2007				2008			
		June	Jul/Aug	Nov/Dec	March	May-July	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	July-Sep	Oct-Dec
BBMW-09S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0
BBMW-09I	30.0 - 40.0	--	--	--	0	--	0	--	0	--	--	--
BBMW-09D	62.0 - 72.0	--	--	--	0	--	0	--	0	--	--	--
BBMW-28S	2.0 - 12.0	--	--	--	0	0	0	0	0	0	0	0
BBMW-28I	10.0 - 20.0	--	--	--	0	0	0	0	0	0	0	0
BBMW-29	2.0 - 9.0	134	0	0	0	0	0	0	0	0	0	0
BBMW-30S	2.0 - 10.0	--	--	--	--	0	0	0	0	--	--	--
BBMW-30I	14.0 - 19.0	--	--	--	--	0	0	0	0	--	--	--
BBMW-30D	30.0 - 35.0	--	--	--	--	0	0	0	0	--	--	--
BBMW-31S	2.0 - 10.0	--	--	--	--	0	0	0	0	--	--	--
BBMW-31I	14.0 - 19.0	--	--	--	--	0	0	0	0	--	--	--
BBMW-31D	30.0 - 35.0	--	--	--	--	0	0	0	0	--	--	--
BBMW-32S	2.0 - 10.0	--	--	--	--	0	0	0	0	--	--	--
BBMW-32I	14.0 - 19.0	--	--	--	--	0	0	0	0	--	--	--
BBMW-32D	30.0 - 35.0	--	--	--	--	0	0	0	0	--	--	--
BBMW-33	7.0 - 12.0	0	0	0	0	0	0	0	0	0	0	0
BW-UST-10	5.0 - 10.0	--	--	0	0	0	0	0	0	0	0	0
BW-UST-11	5.0 - 10.0	--	--	0	0	0	0	0	1	0	0	-
BW-UST-28	5.0 - 10.0	--	--	--	--	0	0	0	0	0	0	0
BW-UST-29	5.0 - 10.0	--	--	--	--	0	0	0	0	0	0	0
GM-02AS	8.91 - 23.91	--	--	--	--	--	--	--	--	--	--	--
GM-02AI	35.24 - 50.24	--	--	--	--	--	--	--	--	--	--	--
GM-02AD	59.8 - 74.8	--	--	--	--	--	--	--	--	--	--	--
IO-10	6.0 - 16.0	0	0	101	2,300	0	0	83	0	73	0	0
MW-01S	4.0 -14.0	0	0	0	0	0	0	0	0	0	0	0
MW-01D	35.0 - 45.0	0	0	0	0	0	0	0	0	--	--	--
MW-02S/S-R	2.0 - 12.0	51	0	68	346	625	1,695	248	27	1	16	47
MW-02I/I-R	22.5 - 23.5	--	--	--	0	0	0	0	0	0	3	0
MW-03	4.94 - 14.94	24	28	14	0	0	20	18	5	5	9	11
MW-04	5.1 - 15.1	0	0	0	0	0	0	0	0	0	0	0
MW-11W	2.0 - 10.0	61	0	933	42	110	62	97	95	77	35	8
MW-12W	2.0 - 10.0	--	--	--	0	0	0	0	0	0	0	0
MW-16W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--
MW-16SR	2.0 - 10.0	15,000	17,900	18,600	12,250	6,050	15,870	20,770	36,270	11,710	5,840	14,280
MW-16I	14.0 - 19.0	--	--	--	0	103	0	59	84	17	0	4
MW-17W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--
MW-26D	14.0 - 19.0	--	--	--	--	--	--	--	0	0	0	0
MW-29S	5.0 - 10.0	0	0	0	0	0	0	0	0	--	--	--

Table 4-6
Summary of Historic Total BTEX Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Total BTEX Groundwater Concentrations (ug/L)										
		Sampling Date										
		2006			2007				2008			
		June	Jul/Aug	Nov/Dec	March	May-July	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	July-Sep	Oct-Dec
MW-29D	14.0 - 19.0	--	--	--	0	0	0	0	0	--	--	--
MW-30W/W-R	2.0 - 10.0	106	130	0	0	0	0	0	0	0	1	0
MW-32W/W-R	2.0 - 10.0	5,950	5,100	1,502	1,060	567	1,080	9,760	2,040	57	0	29
MW-34S	2.0 - 10.0	25,500	9,240	5,760	85	9,750	35,100	19,800	7,750	25,870	5,638	9,100
MW-34I	18.5 - 19.5	--	--	--	0	0	5	934	35	0	0	0
MW-34D	27.5 - 28.5	--	--	--	0	0	0	0	0	0	0	0
MW-45W	2.0 - 10.0	2,214	1,720	5,770	3,200	43,400	1,236	1,717	3,600	5,690	242	142
MW-46W/W-R	2.0 - 10.0	7,270	2,750	2,330	1,256	3,810	915	1,400	8,130	1,664	3,471	1,231
MW-64	19.0 - 24.0	0	0	0	0	0	0	0	0	0	0	0
MW-65	11.0 - 16.0	0	0	0	0	0	0	0	4	0	0	7
MW-66S	1.5 - 11.5	--	--	--	0	0	0	0	0	0	0	0
MW-66D	24.0 - 29.0	--	--	--	0	0	0	0	0	0	0	0
MW-68D	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
MW-70/70S	2.0 - 12.0	175	277	363	31	268	351	1,577	11,590	7,750	10,910	675
MW-73	2.0 - 12.0	14,520	36,200	15,070	18,700	22,500	15,300	14,000	12,800	5,970	9,800	5,380
MW-75	2.0 - 12.0	1,540	3,600	491	580	355	9,420	2,254	268	1,802	77,440	1,181
MW-76	2.0 - 12.0	0	0	0	0	0	4	7	2	0	1	0
MW-78	5.0 - 20.0	4,710	18,100	4,080	2,320	3,050	2,480	2,270	54	167	449	312
MW-79	5.0 - 20.0	3,320	1,220	7,690	13,900	2,840	2,030	542	3,160	32	3,110	2,060
MW-80	5.0 - 20.0	38,700	6,170	41,100	148,000	26,100	41,000	106,000	3,220	18,700	52,300	90,400
MW-81	5.0 - 20.0	9,510	3,499	16,900	65,800	16,100	36,300	61,800	8,690	1,080	18,840	5,020
MW-82	5.0 - 20.0	30,000	43,400	21,800	7,144	14,460	4,338	17,989	1,164	2,254	6,942	19,071
MW-83	5.0 - 20.0	0	5,042	161	41	2,320	6,761	39	36	0	687	2,145
MWBS-01S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
MWBS-02S	5.0 - 15.0	0	0	0	0	0	0	8	0	0	0	0
MWBS-02I	14.5 - 15.5	0	0	0	0	0	0	0	0	0	17	0
MWBS-02D	24.5 - 25.5	--	--	--	0	0	0	0	17	0	0	0
MW-UST1	2.0 - 12.0	1,270	2,400	944	950	1,250	796	470	--	--	--	--
MW-UST2	2.0 - 12.0	1,925	3,011	1,250	960	1,260	1,173	1,686	--	--	--	--
MW-UST3	2.0 - 12.0	19	0	0	14	0	6	4	--	--	--	--
OU3MW-01S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03S	1.0 - 11.0	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04S	1.0 - 11.0	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04I	16.0 - 21.0	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D	26.0 - 31.0	--	--	--	--	--	--	--	--	--	--	--
OU3MW-06	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--
PDMW-01	5.0 - 20.0	0	0	0	0	0	0	70,920	0	0	0	0
PDMW-02	5.0 - 20.0	85,100	67,500	98,000	62,700	79,700	68,020	84,400	70,570	65,260	51,400	73,810
PDMW-03	5.0 - 15.0	--	--	--	--	--	--	--	--	--	45,561	27,913
SV-02	2.0 - 12.0	32	27,400	42	0	0	26,000	0	0	0	0	0
SV-03	2.0 - 12.0	257	831	116	65	207	185	341	105	477	60	56

Table 4-6
 Summary of Historic Total BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Total BTEX Groundwater Concentrations (ug/L)							
		Sampling Date			Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2009							
		Jan-Mar	Apr-Jun	Aug-Sep					
BBMW-09S	5.0 - 15.0	0	0	0	0	85	3	0	85
BBMW-09I	30.0 - 40.0	0	--	--	0	0	0	0	0
BBMW-09D	62.0 - 72.0	0	--	--	0	15	3	0	15
BBMW-28S	2.0 - 12.0	0	0	0	0	0	0	0	0
BBMW-28I	10.0 - 20.0	0	0	0	0	0	0	0	0
BBMW-29	2.0 - 9.0	0	0	0	0	4,368	304	0	4,368
BBMW-30S	2.0 - 10.0	0	--	--	0	0	0	0	0
BBMW-30I	14.0 - 19.0	0	--	--	0	0	0	0	0
BBMW-30D	30.0 - 35.0	0	--	--	0	0	0	0	0
BBMW-31S	2.0 - 10.0	2	--	--	0	2	0	0	2
BBMW-31I	14.0 - 19.0	3	--	--	0	3	1	0	3
BBMW-31D	30.0 - 35.0	3	--	--	0	3	1	0	3
BBMW-32S	2.0 - 10.0	0	--	--	0	0	0	0	0
BBMW-32I	14.0 - 19.0	0	--	--	0	0	0	0	0
BBMW-32D	30.0 - 35.0	0	--	--	0	0	0	0	0
BBMW-33	7.0 - 12.0	0	0	0	0	0	0	0	0
BW-UST-10	5.0 - 10.0	0	0	0	0	0	0	0	0
BW-UST-11	5.0 - 10.0	0	0	0	0	1	0	0	1
BW-UST-28	5.0 - 10.0	0	0	0	0	0	0	0	0
BW-UST-29	5.0 - 10.0	0	0	0	0	0	0	0	0
GM-02AS	8.91 - 23.91	--	--	--	0	0	0	0	0
GM-02AI	35.24 - 50.24	--	--	--	0	0	0	0	0
GM-02AD	59.8 - 74.8	--	--	--	0	0	0	0	0
IO-10	6.0 - 16.0	0	0	0	0	21,100	1,849	0	21,100
MW-01S	4.0 - 14.0	0	0	0	0	460	24	0	460
MW-01D	35.0 - 45.0	0	0	0	0	0	0	0	0
MW-02S/S-R	2.0 - 12.0	812	64	--	0	295,000	77,916	0	295,000
MW-02I/I-R	22.5 - 23.5	0	0	--	0	238,900	10,281	0	238,900
MW-03	4.94 - 14.94	6	14	16	0	178	26	0	178
MW-04	5.1 - 15.1	0	0	0	0	69	4	0	69
MW-11W	2.0 - 10.0	0	0	27	0	6,910	1,074	0	6,910
MW-12W	2.0 - 10.0	2	0	0	0	2	0	0	2
MW-16W	2.0 - 10.0	--	--	--	55	55	55	55	55
MW-16SR	2.0 - 10.0	3,275	4,192	--	317	122,600	30,530	317	122,600
MW-16I	14.0 - 19.0	0	0	--	0	103	17	0	103
MW-17W	2.0 - 10.0	--	--	--	0	0	0	0	0
MW-26D	14.0 - 19.0	0	--	--	0	0	0	0	0
MW-29S	5.0 - 10.0	0	0	0	0	10	0	0	10

Table 4-6
 Summary of Historic Total BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet)	Total BTEX Groundwater Concentrations (ug/L)							
		Sampling Date			Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2009							
Jan-Mar	Apr-Jun	Aug-Sep							
MW-29D	14.0 - 19.0	0	0	0	0	8	0	0	8
MW-30W/W-R	2.0 - 10.0	0	0	0	0	27,200	1,637	0	27,200
MW-32W/W-R	2.0 - 10.0	232	91	277	0	74,400	9,351	0	74,400
MW-34S	2.0 - 10.0	3,636	2,310	57	5	49,500	12,997	5	49,500
MW-34I	18.5 - 19.5	0	0	0	0	25,600	1,489	0	25,600
MW-34D	27.5 - 28.5	0	0	0	0	16,200	627	0	16,200
MW-45W	2.0 - 10.0	4,210	15,700	1,737	0	53,700	8,866	0	53,700
MW-46W/W-R	2.0 - 10.0	525	1,510	811	525	57,900	17,729	525	57,900
MW-64	19.0 - 24.0	0	0	0	0	85,000	2,363	0	85,000
MW-65	11.0 - 16.0	0	0	0	0	3,852	103	0	3,852
MW-66S	1.5 - 11.5	0	0	0	0	0	0	0	0
MW-66D	24.0 - 29.0	0	0	0	0	0	0	0	0
MW-68D	25.0 - 30.0	--	--	--	0	172	25	0	172
MW-70/70S	2.0 - 12.0	1,124	621	410	0	57,000	7,912	0	57,000
MW-73	2.0 - 12.0	7,100	62,600	45,100	557	89,000	25,340	557	89,000
MW-75	2.0 - 12.0	569	7,290	68,310	45	161,100	27,800	45	161,100
MW-76	2.0 - 12.0	0	0	0	0	4,560	277	0	4,560
MW-78	5.0 - 20.0	2,590	2,140	3,370	54	42,000	9,022	54	42,000
MW-79	5.0 - 20.0	10,100	189	893	32	116,000	26,775	32	116,000
MW-80	5.0 - 20.0	55,200	34,500	8,750	387	301,000	68,600	387	301,000
MW-81	5.0 - 20.0	257	152	607	152	65,800	22,054	152	65,800
MW-82	5.0 - 20.0	6,151	403	1,822	110	245,000	24,900	110	245,000
MW-83	5.0 - 20.0	0	0	66	0	6,761	814	0	6,761
MWBS-01S	5.0 - 15.0	--	--	--	0	151	51	0	151
MWBS-02S	5.0 - 15.0	98	0	268	0	5,510	234	0	5,510
MWBS-02I	14.5 - 15.5	0	3	30	0	9,998	395	0	9,998
MWBS-02D	24.5 - 25.5	0	0	0	0	17,530	816	0	17,530
MW-UST1	2.0 - 12.0	--	--	--	51	2,700	1,039	51	2,700
MW-UST2	2.0 - 12.0	--	--	--	335	3,800	1,646	335	3,800
MW-UST3	2.0 - 12.0	--	--	--	0	320	56	0	320
OU3MW-01S	3.0 - 13.0	--	--	0	NA	NA	NA	0	0
OU3MW-02S	3.0 - 13.0	--	--	0	NA	NA	NA	0	0
OU3MW-02I	15.0 - 20.0	--	--	0	NA	NA	NA	0	0
OU3MW-03S	1.0 - 11.0	--	--	58	NA	NA	NA	58	58
OU3MW-03I	20.0 - 25.0	--	--	0	NA	NA	NA	0	0
OU3MW-04S	1.0 - 11.0	--	--	37	NA	NA	NA	37	37
OU3MW-04I	16.0 - 21.0	--	--	187	NA	NA	NA	187	187
OU3MW-04D	26.0 - 31.0	--	--	0	NA	NA	NA	0	0
OU3MW-06	3.0 - 13.0	--	--	0	NA	NA	NA	0	0
PDMW-01	5.0 - 20.0	0	0	--	0	70,920	5,528	0	70,920
PDMW-02	5.0 - 20.0	59,210	46,350	--	19,500	117,600	73,549	19,500	117,600
PDMW-03	5.0 - 15.0	14,511	27,515	--	14,511	45,561	28,875	14,511	45,561
SV-02	2.0 - 12.0	26	1	34,300	0	92,300	9,667	0	92,300
SV-03	2.0 - 12.0	29	10	5	4	33,200	4,029	4	33,200

Table 4-7
 Summary of Historic Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit 3 (OU-3)

Well ID	Screen Interval (feet)	Total PAH Groundwater Concentrations (ug/L)									
		Sampling Date									
		1992	1997			1998			1999		
	Sept	June	Aug	Mar	June	Dec	Mar	June	Sept	Oct/Nov	
BBMW-09S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	0
BBMW-09I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	0
BBMW-09D	62.0 - 72.0	--	--	--	--	--	--	--	--	--	0
BBMW-28S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--
BBMW-28I	10.0 - 20.0	--	--	--	--	--	--	--	--	--	--
BBMW-29	2.0 - 9.0	--	--	--	--	--	--	--	--	--	--
BBMW-30S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--
BBMW-30I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--
BBMW-30D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--
BBMW-31S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--
BBMW-31I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--
BBMW-31D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--
BBMW-32S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--
BBMW-32I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--
BBMW-32D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--
BBMW-33	7.0 - 12.0	--	--	--	--	--	--	--	--	--	--
BW-UST-10	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--
BW-UST-11	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--
BW-UST-28	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--
BW-UST-29	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--
GM-02AS	8.91 - 23.91	0	--	--	--	--	--	--	--	0	0
GM-02AI	35.24 - 50.24	0	--	--	--	--	--	--	--	0	0
GM-02AD	59.8 - 74.8	0	--	--	--	--	--	--	--	0	0
IO-10	6.0 - 16.0	--	--	--	--	--	--	--	--	--	--
MW-01S	4.0 - 14.0	0	0	--	0	--	--	--	--	--	0
MW-01D	35.0 - 45.0	0	--	--	1	--	--	--	--	--	0
MW-02S/S-R	2.0 - 12.0	4,300	1,941	6,181	9,700	21,640	21,257	1,694	2,238	1,919	1,618
MW-02I/I-R	22.5 - 23.5	--	--	6,478	99	12	11	10	1	0	0
MW-03	4.94 - 14.94	--	40	--	0	--	--	--	--	--	77
MW-04	5.1 - 15.1	--	4	--	99	--	--	--	--	--	0
MW-11W	2.0 - 10.0	--	--	--	--	861	222	142	298	469	62
MW-12W	2.0 - 10.0	--	0	--	--	0	--	--	--	--	--
MW-16W	2.0 - 10.0	--	3	--	--	--	--	--	--	--	--
MW-16SR	2.0 - 10.0	--	--	--	15,910	10,500	2,468	696	2,447	2,307	450
MW-16I	14.0 - 19.0	--	--	--	18	0	0	3	0	0	7
MW-17W	2.0 - 10.0	--	11	--	--	--	--	--	--	--	--
MW-26D	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--
MW-29S	5.0 - 10.0	--	--	--	--	--	0	0	--	0	516
MW-29D	14.0 - 19.0	--	--	--	0	--	0	0	0	0	0
MW-30W/W-R	2.0 - 10.0	--	753	--	--	--	--	--	--	--	--
MW-32W/W-R	2.0 - 10.0	--	322	--	--	730	1,435	810	368	--	--
MW-34S	2.0 - 10.0	--	333	1,002	--	1,035	1,604	341	1,355	1,157	502
MW-34I	18.5 - 19.5	--	--	103	--	0	0	2	8	0	0
MW-34D	27.5 - 28.5	--	--	10	--	0	0	0	2	0	0
MW-45W	2.0 - 10.0	--	170	--	330	--	--	--	--	--	--

Table 4-7
 Summary of Historic Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit 3 (OU-3)

Well ID	Screen Interval (feet)	Total PAH Groundwater Concentrations (ug/L)									
		Sampling Date									
		1992	1997		1998			1999			
	Sept	June	Aug	Mar	June	Dec	Mar	June	Sept	Oct/Nov	
MW-46W/W-R	2.0 - 10.0	--	1,482	--	4,156	--	--	--	--	--	--
MW-64	19.0 - 24.0	--	--	--	1	0	0	12	3	0	14
MW-65	11.0 - 16.0	--	--	--	17	--	--	--	--	3	--
MW-66S	1.5 - 11.5	--	--	--	0	--	--	--	--	--	--
MW-66D	24.0 - 29.0	--	--	--	2	--	--	--	--	--	--
MW-68D	25.0 - 30.0	--	--	--	1	0	0	3	0	0	0
MW-70/70S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--
MW-73	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--
MW-75	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--
MW-76	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--
MW-78	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--
MW-79	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--
MW-80	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--
MW-81	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--
MW-82	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--
MW-83	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--
MWBS-01S	5.0 - 15.0	--	2	--	--	--	--	--	--	--	64
MWBS-02S	5.0 - 15.0	--	167	24	0	--	262	36	5	79	245
MWBS-02I	14.5 - 15.5	--	--	27	485	696	0	640	8	0	0
MWBS-02D	24.5 - 25.5	--	--	1	47	--	254	0	0	0	237
MW-UST1	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--
MW-UST2	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--
MW-UST3	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--
OU3MW-01S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--
OU3MW-02S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--
OU3MW-02I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--
OU3MW-03S	1.0 - 11.0	--	--	--	--	--	--	--	--	--	--
OU3MW-03I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--
OU3MW-04S	1.0 - 11.0	--	--	--	--	--	--	--	--	--	--
OU3MW-04I	16.0 - 21.0	--	--	--	--	--	--	--	--	--	--
OU3MW-04D	26.0 - 31.0	--	--	--	--	--	--	--	--	--	--
OU3MW-06	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--
PDMW-01	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--
PDMW-02	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--
PDMW-03	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
SV-02	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--
SV-03	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--

Table 4-7
 Summary of Historic Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit 3 (OU-3)

Well ID	Screen Interval (feet)	Total PAH Groundwater Concentrations (ug/L)													
		Sampling Date													
		2000				2001				2002					
Feb	May	Sept	Nov/Dec	Mar	June	Sept	Dec	Jan/Feb	Mar	Apr/May	June/July	Aug/Sept	Nov/Dec		
BBMW-09S	5.0 - 15.0	--	--	--	--	--	--	--	--	99	--	99	53		
BBMW-09I	30.0 - 40.0	--	--	--	--	--	--	--	--	0	--	--	--		
BBMW-09D	62.0 - 72.0	--	--	--	--	--	--	--	--	0	--	--	--		
BBMW-28S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--		
BBMW-28I	10.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--		
BBMW-29	2.0 - 9.0	--	--	--	--	--	--	--	--	--	--	--	--		
BBMW-30S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--		
BBMW-30I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--		
BBMW-30D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--		
BBMW-31S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--		
BBMW-31I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--		
BBMW-31D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--		
BBMW-32S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--		
BBMW-32I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--		
BBMW-32D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--		
BBMW-33	7.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--		
BW-UST-10	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--		
BW-UST-11	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--		
BW-UST-28	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--		
BW-UST-29	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--		
GM-02AS	8.91 - 23.91	--	--	--	--	--	--	--	--	--	--	--	--		
GM-02AI	35.24 - 50.24	--	--	--	--	--	--	--	--	--	--	--	--		
GM-02AD	59.8 - 74.8	--	--	--	--	--	--	--	--	--	--	--	--		
IO-10	6.0 - 16.0	--	--	--	--	--	--	--	--	--	--	--	--		
MW-01S	4.0 - 14.0	--	--	--	--	--	--	--	--	--	--	--	--		
MW-01D	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--		
MW-02S/G-R	2.0 - 12.0	1,530	1,787	1,681	1,620	--	--	--	1,595	1,583	1,367	10,830	6,440	2,542	
MW-02I/I-R	22.5 - 23.5	0	53	--	--	--	--	--	--	--	--	--	--	--	
MW-03	4.94 - 14.94	--	--	--	--	--	--	--	--	103	85	--	89	50	
MW-04	5.1 - 15.1	--	--	--	--	--	--	--	--	90	--	--	99	--	
MW-11W	2.0 - 10.0	290	389	--	178	265	363	159	156	--	246	--	225	145	22
MW-12W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16SR	2.0 - 10.0	1,910	1,173	3,096	1,036	--	--	77	38,045	6,557	3,414	1,558	2,430	6,140	214
MW-16I	14.0 - 19.0	0	0	0	--	--	--	--	--	--	--	0	--	--	--
MW-17W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-26D	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-29S	5.0 - 10.0	0	0	2	0	0	0	0	0	--	--	0	0	0	0
MW-29D	14.0 - 19.0	0	0	2	--	--	--	--	--	--	--	0	--	--	--
MW-30W/W-R	2.0 - 10.0	--	--	--	1,300	228	229	4	125	--	55	--	0	8	2
MW-32W/W-R	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-34S	2.0 - 10.0	611	381	--	518	130	0	30	1	--	0	--	85	0	22
MW-34I	18.5 - 19.5	0	203	0	--	--	--	--	--	--	--	22	--	--	--
MW-34D	27.5 - 28.5	0	0	2	--	--	--	--	--	--	--	0	--	--	--
MW-45W	2.0 - 10.0	--	--	781	10	1,676	11	0	6	--	--	52	2	64	0

Table 4-7
 Summary of Historic Total PAH Groundwater Analytical Results
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 Operable Unit 3 (OU-3)

Well ID	Screen Interval (feet)	Total PAH Groundwater Concentrations (ug/L)													
		Sampling Date													
		2000				2001				2002					
Feb	May	Sept	Nov/Dec	Mar	June	Sept	Dec	Jan/Feb	Mar	Apr/May	June/July	Aug/Sept	Nov/Dec		
MW-46W/W-R	2.0 - 10.0	--	--	2,141	228	0	21	--	--	--	--	--	--	380	
MW-64	19.0 - 24.0	0	13	97	0	14	2	--	50	--	--	0	1	9	0
MW-65	11.0 - 16.0	9	34	8	13	34	4	--	228	--	--	0	0	0	38
MW-66S	1.5 - 11.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-66D	24.0 - 29.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-68D	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-70/70S	2.0 - 12.0	--	--	1,720	84	2	1	0	4	--	7	4	3	0	
MW-73	2.0 - 12.0	--	--	--	--	--	--	--	--	1,471	223	213	738	1,336	280
MW-75	2.0 - 12.0	--	--	--	--	--	--	--	73	153	93	100	2,553	2,863	58
MW-76	2.0 - 12.0	--	--	--	--	--	--	--	--	142	105	101	116	115	58
MW-78	5.0 - 20.0	--	--	--	--	--	--	--	--	1,439	371	278	161	735	66
MW-79	5.0 - 20.0	--	--	--	--	--	--	--	--	--	120	106	6,015	2,911	234
MW-80	5.0 - 20.0	--	--	--	--	--	--	--	--	1,511	88	2,316	152	1,426	53
MW-81	5.0 - 20.0	--	--	--	--	--	--	--	--	--	118	129	2,345	1,382	101
MW-82	5.0 - 20.0	--	--	--	--	--	--	--	--	245	138	83	2,784	3,090	49
MW-83	5.0 - 20.0	--	--	--	--	--	--	--	--	116	98	108	108	180	180
MWBS-01S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	0	--	--	--
MWBS-02S	5.0 - 15.0	274	81	115	105	242	39	2	84	--	164	--	0	0	0
MWBS-02I	14.5 - 15.5	11	258	3	261	576	513	122	3	--	4	--	2	8	0
MWBS-02D	24.5 - 25.5	0	0	0	--	--	--	--	--	--	--	--	0	--	--
MW-UST1	2.0 - 12.0	--	--	--	--	--	--	--	--	--	247	216	--	112	979
MW-UST2	2.0 - 12.0	--	--	--	--	--	--	--	--	--	263	330	--	101	53
MW-UST3	2.0 - 12.0	--	--	--	--	--	--	--	--	--	92	134	--	105	--
OU3MW-01S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03S	1.0 - 11.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04S	1.0 - 11.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04I	16.0 - 21.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D	26.0 - 31.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-06	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PDMW-01	5.0 - 20.0	--	--	--	--	--	--	--	--	1,538	1,432	1,431	--	--	2,188
PDMW-02	5.0 - 20.0	--	--	--	--	--	--	--	--	1,929	2,181	1,933	5,848	3,250	--
PDMW-03	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SV-02	2.0 - 12.0	--	--	--	--	--	--	--	--	95	112	99	99	186	103
SV-03	2.0 - 12.0	--	--	--	--	--	--	--	--	332	95	108	297	279	49

Table 4-7
 Summary of Historic Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit 3 (OU-3)

Well ID	Screen Interval (feet)	Total PAH Groundwater Concentrations (ug/L)										
		Sampling Date										
		2003			2004				2005			
		Feb-Apr	Jul/Aug	Sept/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	June	August	Nov/Dec
BBMW-09S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0
BBMW-09I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-09D	62.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-28S	2.0 - 12.0	--	--	--	--	--	--	--	0	0	68	0
BBMW-28I	10.0 - 20.0	--	--	--	--	--	--	--	0	0	0	0
BBMW-29	2.0 - 9.0	--	--	--	--	--	--	--	0	0	0	170
BBMW-30S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-30I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-30D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-31S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-31I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-31D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-32S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-32I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-32D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-33	7.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
BW-UST-10	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--
BW-UST-11	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--
BW-UST-28	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--
BW-UST-29	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--
GM-02AS	8.91 - 23.91	--	--	--	--	--	--	--	--	--	--	--
GM-02AI	35.24 - 50.24	--	--	--	--	--	--	--	--	--	--	--
GM-02AD	59.8 - 74.8	--	--	--	--	--	--	--	--	--	--	--
IO-10	6.0 - 16.0	--	--	--	786	625	0	0	937	91	350	0
MW-01S	4.0 - 14.0	--	--	--	--	--	--	0	--	--	--	0
MW-01D	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
MW-02S/S-R	2.0 - 12.0	1,800	1,300	1,500	2,400	2,060	254	0	14	0	0	0
MW-02I/I-R	22.5 - 23.5	--	--	0	0	--	--	--	0	--	--	--
MW-03	4.94 - 14.94	0	45	--	26	19	43	19	21	34	40	57
MW-04	5.1 - 15.1	0	53	--	0	0	0	0	0	0	0	0
MW-11W	2.0 - 10.0	21	35	11	0	1729	0	110	0	10	0	27
MW-12W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--
MW-16W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--
MW-16SR	2.0 - 10.0	72	590	649	0	0	1,022	2,068	3,500	3,900	3,611	1,280
MW-16I	14.0 - 19.0	--	--	0	0	--	--	--	57	--	--	--
MW-17W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--
MW-26D	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--
MW-29S	5.0 - 10.0	0	0	0	0	0	0	0	0	0	0	0
MW-29D	14.0 - 19.0	--	--	--	0	--	--	0	--	--	--	0
MW-30W/W-R	2.0 - 10.0	--	--	--	--	--	--	--	0	0	0	0
MW-32W/W-R	2.0 - 10.0	--	11	130	0	0	370	877	55	59	0	180
MW-34S	2.0 - 10.0	27	130	30	160	130	49	210	212	52	67	110
MW-34I	18.5 - 19.5	--	--	--	496	--	--	--	290	--	--	--
MW-34D	27.5 - 28.5	--	0	96	0	--	--	--	0	--	--	--
MW-45W	2.0 - 10.0	--	49	38	170	699	65	341	723	180	424	561

Table 4-7
 Summary of Historic Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit 3 (OU-3)

Well ID	Screen Interval (feet)	Total PAH Groundwater Concentrations (ug/L)										
		Sampling Date										
		2003			2004				2005			
		Feb-Apr	Jul/Aug	Sept/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	June	August	Nov/Dec
MW-46W/W-R	2.0 - 10.0	690	264	160	647	150	589	443	1,048	972	1,200	1,045
MW-64	19.0 - 24.0	1,600	0	0	0	0	0	120	0	318	0	0
MW-65	11.0 - 16.0	0	65	0	37	0	0	502	0	0	0	0
MW-66S	1.5 - 11.5	--	--	--	--	--	--	--	--	--	--	--
MW-66D	24.0 - 29.0	--	--	--	--	--	--	--	--	--	--	--
MW-68D	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
MW-70/70S	2.0 - 12.0	200	18	32	18	46	260	0	0	170	556	57
MW-73	2.0 - 12.0	--	940	1,557	843	1,470	1,500	1,030	956	829	1,290	1,800
MW-75	2.0 - 12.0	0	1,700	1,490	60	0	387	0	22	1,350	2,890	384
MW-76	2.0 - 12.0	--	15	120	0	0	0	0	47	0	0	0
MW-78	5.0 - 20.0	550	692	958	585	707	85	22	463	1,160	493	0
MW-79	5.0 - 20.0	2,000	1,100	1,380	2,000	0	1,200	661	1,400	790	522	104
MW-80	5.0 - 20.0	1,100	1,178	1,700	2,500	1,600	1,390	1,370	2,400	2,200	2,300	1,080
MW-81	5.0 - 20.0	780	2,100	1,611	1,714	696	1,112	1,100	1,700	100	1,210	434
MW-82	5.0 - 20.0	390	570	810	733	276	19	995	233	358	488	1,571
MW-83	5.0 - 20.0	0	14	29	0	0	0	76	140	0	150	25
MWBS-01S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
MWBS-02S	5.0 - 15.0	0	18	24	160	75	25	0	150	41	0	0
MWBS-02I	14.5 - 15.5	0	--	--	0	0	0	0	0	0	0	0
MWBS-02D	24.5 - 25.5	0	--	--	64	--	--	--	0	--	--	--
MW-UST1	2.0 - 12.0	230	96	344	0	221	520	52	55	260	392	373
MW-UST2	2.0 - 12.0	140	357	227	0	297	500	353	621	373	361	208
MW-UST3	2.0 - 12.0	0	14	25	33	0	0	16	26	0	0	0
OU3MW-01S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03S	1.0 - 11.0	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04S	1.0 - 11.0	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04I	16.0 - 21.0	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D	26.0 - 31.0	--	--	--	--	--	--	--	--	--	--	--
OU3MW-06	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--
PDMW-01	5.0 - 20.0	13,000	0	0	0	0	0	71	0	0	0	0
PDMW-02	5.0 - 20.0	--	1,130	1,714	2,300	2,463	1,918	2,316	2,616	2,312	2,716	2,416
PDMW-03	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
SV-02	2.0 - 12.0	0	430	515	0	0	0	0	0	39	190	324
SV-03	2.0 - 12.0	190	280	548	536	272	150	130	80	33	0	0

Table 4-7
 Summary of Historic Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit 3 (OU-3)

Well ID	Screen Interval (feet)	Total PAH Groundwater Concentrations (ug/L)											
		Sampling Date											
		2006				2007				2008			
		March	June	Jul/Aug	Nov/Dec	March	May-July	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	July-Sep	Oct-Dec
BBMW-09S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0
BBMW-09I	30.0 - 40.0	--	--	--	--	150	--	0	--	0	--	--	--
BBMW-09D	62.0 - 72.0	--	--	--	--	0	--	0	--	0	--	--	--
BBMW-28S	2.0 - 12.0	--	--	--	--	0	0	0	0	0	0	3	0
BBMW-28I	10.0 - 20.0	--	--	--	--	0	0	0	0	0	0	0	0
BBMW-29	2.0 - 9.0	120	37	0	0	0	252	0	0	0	0	5	0
BBMW-30S	2.0 - 10.0	--	--	--	--	--	0	0	0	0	--	--	--
BBMW-30I	14.0 - 19.0	--	--	--	--	--	0	4	0	0	--	--	--
BBMW-30D	30.0 - 35.0	--	--	--	--	--	0	0	0	0	--	--	--
BBMW-31S	2.0 - 10.0	--	--	--	--	--	0	0	0	0	--	--	--
BBMW-31I	14.0 - 19.0	--	--	--	--	--	0	4	0	0	--	--	--
BBMW-31D	30.0 - 35.0	--	--	--	--	--	0	0	0	0	--	--	--
BBMW-32S	2.0 - 10.0	--	--	--	--	--	0	1	1	0	--	--	--
BBMW-32I	14.0 - 19.0	--	--	--	--	--	0	0	0	0	--	--	--
BBMW-32D	30.0 - 35.0	--	--	--	--	--	0	0	0	0	--	--	--
BBMW-33	7.0 - 12.0	0	0	0	0	0	0	0	0	0	0	0	0
BW-UST-10	5.0 - 10.0	--	--	--	0	0	0	69	0	0	0	0	0
BW-UST-11	5.0 - 10.0	--	--	--	0	0	0	68	0	2	1	0	0
BW-UST-28	5.0 - 10.0	--	--	--	--	--	0	0	0	0	0	0	0
BW-UST-29	5.0 - 10.0	--	--	--	--	--	0	0	0	0	0	3	0
GM-02AS	8.91 - 23.91	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AI	35.24 - 50.24	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AD	59.8 - 74.8	--	--	--	--	--	--	--	--	--	--	--	--
IO-10	6.0 - 16.0	0	0	0	0	100	0	0	18	0	4	0	0
MW-01S	4.0 - 14.0	--	0	0	0	0	0	0	0	0	0	0	0
MW-01D	35.0 - 45.0	--	0	263	0	0	0	0	0	0	--	--	--
MW-02S/S-R	2.0 - 12.0	0	0	0	0	0	0	0	0	0	0	0	0
MW-02I/I-R	22.5 - 23.5	0	--	--	--	0	0	0	0	0	0	0	0
MW-03	4.94 - 14.94	0	28	35	34	35	11	56	0	12	0	0	28
MW-04	5.1 - 15.1	0	0	0	0	0	0	1	0	0	0	0	0
MW-11W	2.0 - 10.0	15	18	0	19	0	0	5	1	2	0	0	0
MW-12W	2.0 - 10.0	--	--	--	--	0	0	0	0	0	0	3	0
MW-16W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-16SR	2.0 - 10.0	2,183	1,870	1,056	676	842	232	280	579	922	355	552	104
MW-16I	14.0 - 19.0	0	--	--	--	0	44	0	0	0	0	0	0
MW-17W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-26D	14.0 - 19.0	--	--	--	--	--	--	--	--	3	0	0	0
MW-29S	5.0 - 10.0	0	0	0	0	0	0	0	0	0	--	--	--
MW-29D	14.0 - 19.0	--	--	--	--	0	0	0	0	0	--	--	--
MW-30W/W-R	2.0 - 10.0	0	0	0	0	0	0	0	0	0	0	0	0
MW-32W/W-R	2.0 - 10.0	110	89	98	100	97	45	47	105	123	38	12	0
MW-34S	2.0 - 10.0	461	397	210	140	150	68	110	402	81	186	51	42
MW-34I	18.5 - 19.5	0	--	--	--	0	0	0	124	12	0	0	0
MW-34D	27.5 - 28.5	0	--	--	--	0	0	0	6	0	0	0	0
MW-45W	2.0 - 10.0	895	74	40	233	0	0	10	9	0	0	0	0

Table 4-7
 Summary of Historic Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit 3 (OU-3)

Well ID	Screen Interval (feet)	Total PAH Groundwater Concentrations (ug/L)											
		Sampling Date											
		2006				2007				2008			
		March	June	Jul/Aug	Nov/Dec	March	May-July	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	July-Sep	Oct-Dec
MW-46W/W-R	2.0 - 10.0	544	50	233	192	37	71	47	74	102	24	0	39
MW-64	19.0 - 24.0	0	0	0	0	0	0	0	0	0	0	0	0
MW-65	11.0 - 16.0	0	0	0	0	0	0	0	0	0	0	0	0
MW-66S	1.5 - 11.5	--	--	--	--	0	0	0	1	0	0	0	0
MW-66D	24.0 - 29.0	--	--	--	--	0	0	0	0	0	0	0	0
MW-68D	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-70/70S	2.0 - 12.0	91	0	11	13	0	0	10	13	39	25	96	22
MW-73	2.0 - 12.0	575	669	1,100	545	497	345	495	1,189	444	105	1	0
MW-75	2.0 - 12.0	100	56	55	0	0	0	180	47	0	0	1,024	0
MW-76	2.0 - 12.0	14	0	0	0	0	0	0	0	0	0	0	0
MW-78	5.0 - 20.0	445	493	616	0	0	46	40	31	0	0	0	0
MW-79	5.0 - 20.0	281	103	41	0	140	0	0	0	90	1	6	0
MW-80	5.0 - 20.0	1,200	694	258	1,480	831	601	884	1,173	277	509	790	701
MW-81	5.0 - 20.0	487	274	2,700	807	1,068	448	1,130	1,508	480	0	50	4
MW-82	5.0 - 20.0	1,140	837	1,137	150	234	286	127	306	0	1	0	448
MW-83	5.0 - 20.0	0	0	230	0	0	0	0	2	0	0	1	0
MWBS-01S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
MWBS-02S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	7	0	0
MWBS-02I	14.5 - 15.5	0	0	0	0	10	0	0	0	0	0	0	0
MWBS-02D	24.5 - 25.5	16	--	--	--	22	0	0	0	0	0	0	0
MW-UST1	2.0 - 12.0	140	520	541	260	358	363	239	140	--	--	--	--
MW-UST2	2.0 - 12.0	265	457	227	120	155	59	450	550	--	--	--	--
MW-UST3	2.0 - 12.0	0	12	0	0	0	0	0	0	--	--	--	--
OU3MW-01S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03S	1.0 - 11.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04S	1.0 - 11.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04I	16.0 - 21.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D	26.0 - 31.0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-06	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--
PDMW-01	5.0 - 20.0	0	0	0	0	0	0	0	1,464	0	0	2	0
PDMW-02	5.0 - 20.0	2,013	2,420	2,119	3,022	2,716	2,520	1,241	1,976	3,025	2,226	1,934	1,950
PDMW-03	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	1,721	1,619
SV-02	2.0 - 12.0	0	0	35	0	0	0	133	0	0	3	0	0
SV-03	2.0 - 12.0	96	57	0	0	17	0	31	72	17	0	0	0

Table 4-7
 Summary of Historic Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit 3 (OU-3)

Well ID	Screen Interval (feet)	Total PAH Groundwater Concentrations (ug/L)							
		Sampling Date			Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2009							
Jan-Mar	Apr-Jun	Aug-Sep							
BBMW-09S	5.0 - 15.0	0	0	0	0	99	9	0	99
BBMW-09I	30.0 - 40.0	0	--	--	0	150	25	0	150
BBMW-09D	62.0 - 72.0	0	--	--	0	0	0	0	0
BBMW-28S	2.0 - 12.0	0	0	0	0	68	5	0	68
BBMW-28I	10.0 - 20.0	0	0	0	0	0	0	0	0
BBMW-29	2.0 - 9.0	0	0	0	0	252	32	0	252
BBMW-30S	2.0 - 10.0	0	--	--	0	0	0	0	0
BBMW-30I	14.0 - 19.0	0	--	--	0	4	1	0	4
BBMW-30D	30.0 - 35.0	0	--	--	0	0	0	0	0
BBMW-31S	2.0 - 10.0	0	--	--	0	0	0	0	0
BBMW-31I	14.0 - 19.0	0	--	--	0	4	1	0	4
BBMW-31D	30.0 - 35.0	0	--	--	0	0	0	0	0
BBMW-32S	2.0 - 10.0	0	--	--	0	1	0	0	1
BBMW-32I	14.0 - 19.0	0	--	--	0	0	0	0	0
BBMW-32D	30.0 - 35.0	0	--	--	0	0	0	0	0
BBMW-33	7.0 - 12.0	0	0	0	0	0	0	0	0
BW-UST-10	5.0 - 10.0	0	0	0	0	69	6	0	69
BW-UST-11	5.0 - 10.0	0	0	0	0	68	6	0	68
BW-UST-28	5.0 - 10.0	0	0	0	0	0	0	0	0
BW-UST-29	5.0 - 10.0	0	0	0	0	3	0	0	3
GM-02AS	8.91 - 23.91	--	--	--	0	0	0	0	0
GM-02AI	35.24 - 50.24	--	--	--	0	0	0	0	0
GM-02AD	59.8 - 74.8	--	--	--	0	0	0	0	0
IO-10	6.0 - 16.0	0	0	0	0	937	132	0	937
MW-01S	4.0 - 14.0	1	0	0	0	1	0	0	1
MW-01D	35.0 - 45.0	0	0	0	0	263	20	0	263
MW-02S/S-R	2.0 - 12.0	0	0	--	0	21,640	2,517	0	21,640
MW-02I/I-R	22.5 - 23.5	0	0	--	0	6,478	278	0	6,478
MW-03	4.94 - 14.94	0	0	82	0	103	32	0	103
MW-04	5.1 - 15.1	0	0	0	0	99	12	0	99
MW-11W	2.0 - 10.0	0	0	0	0	861	116	0	861
MW-12W	2.0 - 10.0	0	0	0	0	3	0	0	3
MW-16W	2.0 - 10.0	--	--	--	3	0	3	3	3
MW-16SR	2.0 - 10.0	28	143	--	0	38,045	2,885	0	38,045
MW-16I	14.0 - 19.0	0	0	--	0	57	5	0	57
MW-17W	2.0 - 10.0	--	--	--	11	0	11	11	11
MW-26D	14.0 - 19.0	0	0	--	0	3	1	0	3
MW-29S	5.0 - 10.0	0	0	0	0	516	14	0	516
MW-29D	14.0 - 19.0	0	0	0	0	2	0	0	2
MW-30W/W-R	2.0 - 10.0	0	0	0	0	1,300	97	0	1,300
MW-32W/W-R	2.0 - 10.0	3	6	4	0	1,435	214	0	1,435
MW-34S	2.0 - 10.0	83	105	17	0	1,604	294	0	1,604
MW-34I	18.5 - 19.5	0	0	0	0	496	53	0	496
MW-34D	27.5 - 28.5	0	0	0	0	96	4	0	96
MW-45W	2.0 - 10.0	10	153	60	0	1,676	202	0	1,676

Table 4-7
 Summary of Historic Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit 3 (OU-3)

Well ID	Screen Interval (feet)	Total PAH Groundwater Concentrations (ug/L)							
		Sampling Date			Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2009							
Jan-Mar	Apr-Jun	Aug-Sep							
MW-46W/W-R	2.0 - 10.0	39	60	31	0	4,156	535	0	4,156
MW-64	19.0 - 24.0	0	9	3	0	1,600	53	0	1,600
MW-65	11.0 - 16.0	0	0	0	0	502	26	0	502
MW-66S	1.5 - 11.5	0	0	0	0	1	0	0	1
MW-66D	24.0 - 29.0	0	0	0	0	2	0	0	2
MW-68D	25.0 - 30.0	0	--	--	0	3	1	0	3
MW-70/70S	2.0 - 12.0	14	8	13	0	1,720	101	0	1,720
MW-73	2.0 - 12.0	97	1,308	1,295	0	1,800	795	0	1,800
MW-75	2.0 - 12.0	1	101	1,667	0	2,890	492	0	2,890
MW-76	2.0 - 12.0	0	0	0	0	142	28	0	142
MW-78	5.0 - 20.0	0	191	0	0	1,439	343	0	1,439
MW-79	5.0 - 20.0	13	0	0	0	6,015	707	0	6,015
MW-80	5.0 - 20.0	522	568	79	53	2,500	1,124	53	2,500
MW-81	5.0 - 20.0	19	0	0	0	2,700	854	0	2,700
MW-82	5.0 - 20.0	0	0	2	0	3,090	564	0	3,090
MW-83	5.0 - 20.0	0	0	0	0	230	47	0	230
MWBS-01S	5.0 - 15.0	--	--	--	0	64	22	0	64
MWBS-02S	5.0 - 15.0	3	1	7	0	274	54	0	274
MWBS-02I	14.5 - 15.5	0	0	0	0	696	84	0	696
MWBS-02D	24.5 - 25.5	0	0	0	0	254	26	0	254
MW-UST1	2.0 - 12.0	--	--	--	0	979	289	0	979
MW-UST2	2.0 - 12.0	--	--	--	0	621	281	0	621
MW-UST3	2.0 - 12.0	--	--	--	0	134	21	0	134
OU3MW-01S	3.0 - 13.0	--	--	0	NA	NA	NA	0	0
OU3MW-02S	3.0 - 13.0	--	--	0	NA	NA	NA	0	0
OU3MW-02I	15.0 - 20.0	--	--	0	NA	NA	NA	0	0
OU3MW-03S	1.0 - 11.0	--	--	2	NA	NA	NA	2	2
OU3MW-03I	20.0 - 25.0	--	--	0	NA	NA	NA	0	0
OU3MW-04S	1.0 - 11.0	--	--	19	NA	NA	NA	19	19
OU3MW-04I	16.0 - 21.0	--	--	9	NA	NA	NA	9	9
OU3MW-04D	26.0 - 31.0	--	--	0	NA	NA	NA	0	0
OU3MW-06	3.0 - 13.0	--	--	0	NA	NA	NA	0	0
PDMW-01	5.0 - 20.0	0	0	--	0	13,000	728	0	13,000
PDMW-02	5.0 - 20.0	2,797	3,206	--	1,130	5,848	2,421	1,130	5,848
PDMW-03	5.0 - 15.0	2,100	2,108	--	1,619	2,108	1,887	1,619	2,108
SV-02	2.0 - 12.0	0	0	669	0	515	76	0	669
SV-03	2.0 - 12.0	0	0	1	0	548	118	0	548

Table 4-8
 Summary of BTEX, MTBE and PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operble Unit No. 3 (OU-3)

Operable Unit:		OU3	OU3	OU3	OU3	OU3	OU3	OU3	OU3	OU3
Sample Name:	NYS	BBMW-28I	MW-03	MW-04	MW-45W	MW-46WR	MW-64	MW-65	MW-75	MW-76
Screened Interval:	AWQS	10-20 ft	4.94-14.94 ft	4.1-15.1 ft	2-10 ft	2-10 ft	19-24 ft	11-16 ft	2-12 ft	2-12 ft
Sample Date:		8/14/2009	9/3/2009	8/14/2009	8/31/2009	9/2/2009	8/28/2009	8/12/2009	9/8/2009	8/12/2009
BTEX (ug/L)										
Benzene	1	10 U	10 U	10 U	520	5 J	10 U	10 U	310	10 U
Toluene	5	10 U	1 J	10 U	37	56	10 U	10 U	22000	10 U
Ethylbenzene	5	10 U	15	10 U	580	290	10 U	10 U	13000	10 U
Xylene, total	5	10 U	10 U	10 U	600	460	10 U	10 U	33000	10 U
Total BTEX	NE	ND	16	ND	1737	811	ND	ND	68310	ND
Other VOCs (ug/L)										
Methyl tert-butyl ether	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	200 U	10 U
Non-carcinogenic PAHs (ug/L)										
Acenaphthene	20*	10 U	7	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3 J	10 U
Anthracene	50*	10 U	1	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	2 J	10 U	10 U	10 U
Fluorene	50*	10 U	7 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylnaphthalene, 2-	NE	10 U	23	10 U	4 J	10 U	10 U	10 UJ	64	10 UJ
Naphthalene	10*	10 U	34	10 U	56	31	10 U	10 U	1600	10 U
Phenanthrene	50*	10 U	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	1 J	10 U	10 U	10 U
Carcinogenic PAHs (ug/L)										
None detected										
Total PAHs (ug/L)										
Total PAHs	NE	ND	82	ND	60	31	3	ND	1667	ND
Other										
Standard Plate Count (cfu/mL)	NE	NA	NA	NA	NA	4200	NA	NA	NA	NA

Table 4-8
 Summary of BTEX, MTBE and PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operble Unit No. 3 (OU-3)

Operable Unit:		OU3	OU3	OU3	OU3	OU3	OU3	OU3	OU3	OU3
Sample Name:	NYS	MW-78	MW-79	MW-80	MW-81	MW-82	MW-83	MWBS-02I	MWBS-02D	SV-03
Screened Interval:	AWQS	5-20 ft	5-20 ft	5-20 ft	5-20 ft	5-20 ft	5-20 ft	14.5-15.5 ft	24.5-25.5 ft	2-12 ft
Sample Date:		8/27/2009	8/26/2009	9/4/2009	9/4/2009	9/4/2009	8/12/2009	9/3/2009	9/3/2009	8/12/2009
BTEX (ug/L)										
Benzene	1	870	33	250	7 J	2 J	10 U	2 J	10 U	10 U
Toluene	5	770	150	2100	110	150	9 J	10 U	10 U	10 U
Ethylbenzene	5	630	130	2500	180	170	14	12	10 U	5 J
Xylene, total	5	1100	580	3900	310	1500	43	16	10 U	10 U
Total BTEX	NE	3370	893	8750	607	1822	66	30	ND	5
Other VOCs (ug/L)										
Methyl tert-butyl ether	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 J	1 J
Non-carcinogenic PAHs (ug/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylnaphthalene, 2-	NE	10 U	10 U	12	10 U	10 U	10 UJ	10 U	10 U	10 UJ
Naphthalene	10*	10 U	10 U	67	10 U	2 J	10 U	10 U	10 U	1 J
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carcinogenic PAHs (ug/L)										
None detected										
Total PAHs (ug/L)										
Total PAHs	NE	ND	ND	79	ND	2	ND	ND	ND	1
Other										
Standard Plate Count (cfu/mL)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-9
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 3 (OU-3)

Operable Unit:		OU3	OU3	OU3	OU3	OU3	OU3	OU3	OU3	OU3	OU3	OU3
Sample Name:	NYS	BMW-09S	BMW-28S	BMW-29	BMW-33	BW-UST-10	BW-UST-11	BW-UST-28	BW-UST-29	IO-10	MW-01S	MW-01D
Screened Interval:	AWQS	5-15 ft	2-12 ft	2-9 ft	7-12 ft	4.65-9.95 ft	4.4-9.4 ft	5-10 ft	5-10 ft	6-16 ft	4-14 ft	35-45 ft
Sample Date:		9/11/2009	8/14/2009	8/28/2009	8/31/2009	9/4/2009	9/11/2009	9/4/2009	9/4/2009	8/5/2009	8/12/2009	8/13/2009
BTEX (ug/L)												
Benzene	1	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene, m,p-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene, o-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total BTEX	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs (ug/L)												
Acetaldehyde	8*	10 UJ	R	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ	R	10 UJ
Acetone	50*	10 U	10 UJ	10 U	10 U	10 U	15 U	10 U	10 U	10 UJ	10 UJ	10 UJ
Bromodichloromethane	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	5	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U
Butanone, 2-	50*	10 UJ	10 UJ	10 U	10 UJ	10 U	2 J	10 U	10 U	10 UJ	10 UJ	10 UJ
Carbon disulfide	60*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U
Chloroform	7	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloromethane	5	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U
Cyclohexane	NE	10 UJ	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ
Dichlorobenzene, 1,2-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene, 1,4-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	5	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U
Dichloroethane, 1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethane, 1,2-	0.6	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene, 1,1-	0.07	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene, cis-1,2-	5	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloropropane, 1,2-	1	10 U	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 UJ	10 U	10 UJ	10 U
Dioxane, 1,4-	NE	R	R	R	R	R	R	R	R	R	R	R
Ethanol	NE	R	R	R	R	R	R	R	R	R	R	R
Hexachlorobutadiene	0.5	10 U	10 U	10 UJ	10 Uj	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ
Hexane, n-	NE	10 U	10 U	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U	10 U	10 U
Isopropyl benzene	5	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U
Methyl tert-butyl ether	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ
Methylene chloride	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

Table 4-9
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 3 (OU-3)

Operable Unit:		OU3	OU3	OU3	OU3	OU3	OU3	OU3	OU3	OU3	OU3	OU3
Sample Name:	NYS	BMW-09S	BMW-28S	BMW-29	BMW-33	BW-UST-10	BW-UST-11	BW-UST-28	BW-UST-29	IO-10	MW-01S	MW-01D
Screened Interval:	AWQS	5-15 ft	2-12 ft	2-9 ft	7-12 ft	4.65-9.95 ft	4.4-9.4 ft	5-10 ft	5-10 ft	6-16 ft	4-14 ft	35-45 ft
Sample Date:		9/11/2009	8/14/2009	8/28/2009	8/31/2009	9/4/2009	9/11/2009	9/4/2009	9/4/2009	8/5/2009	8/12/2009	8/13/2009
Naphthalene	10*	3 J	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	14 J
Propanol, 2-	NE	R	R	R	R	R	R	R	R	R	R	R
Propylbenzene, n-	5	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U
Styrene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	5	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U
Tetrahydrofuran	50*	10 UJ	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 UJ
Trichloroethane, 1,1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene 1,3,5-/P-ethyltoluene	NE	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U
Trimethylbenzene, 1,2,4-	5	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 UJ	10 U	10 U	10 U
Trimethylpentane, 2,2,4-	NE	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U
Non-carcinogenic PAHs (ug/L)												
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[g,h,i]perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylnaphthalene, 2-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carcinogenic PAHs (ug/L)												
Benzo[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz[a,h]anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAHs (ug/L)												
Total PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Metals (ug/L)												
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-9
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 3 (OU-3)

Operable Unit:		OU3	OU3	OU3	OU3	OU3	OU3	OU3	OU3	OU3	OU3	OU3
Sample Name:	NYS	BMW-09S	BMW-28S	BMW-29	BMW-33	BW-UST-10	BW-UST-11	BW-UST-28	BW-UST-29	IO-10	MW-01S	MW-01D
Screened Interval:	AWQS	5-15 ft	2-12 ft	2-9 ft	7-12 ft	4.65-9.95 ft	4.4-9.4 ft	5-10 ft	5-10 ft	6-16 ft	4-14 ft	35-45 ft
Sample Date:		9/11/2009	8/14/2009	8/28/2009	8/31/2009	9/4/2009	9/11/2009	9/4/2009	9/4/2009	8/5/2009	8/12/2009	8/13/2009
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other												
Nitrogen, Ammonia (mg/L)	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate (mg/L)	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Total (mg/L)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Total Kjeldahl (mg/L)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Standard Plate Count (cfu/mL)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate (mg/L)	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide (mg/L)	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous (mg/L)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-9
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 3 (OU-3)

Operable Unit:		OU3	OU3	OU3	OU3	OU3	OU3	OU3	OU3	OU3	OU3	OU3
Sample Name:	NYS	MW-11W	MW-12W	Duplicate of: MW-12W	MW-29S	Duplicate of: MW-29S	MW-29D	Duplicate of: MW-29D	MW-30WR	MW-32WR	MW-34S	MW-34I
Screened Interval:	AWQS	2-10 ft	2-10 ft	2-10 ft	5-10 ft	5-10 ft	14-19 ft	14-19 ft	2-9 ft	2-9 ft	2-10 ft	18.5-19.5 ft
Sample Date:		9/18/2009	8/28/2009	8/28/2009	9/3/2009	9/3/2009	9/2/2009	9/2/2009	8/28/2009	8/7/2009	8/31/2009	8/25/2009
BTEX (ug/L)												
Benzene	1	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	45	10	10 U
Toluene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	4 J	1 J	10 U
Ethylbenzene	5	7	10 U	10 U	10 U	10 U	10 U	10 U	10 U	130	23	10 U
Xylene, m,p-	5	9	10 U	10 U	10 U	10 U	10 U	10 U	10 U	33	8	10 U
Xylene, o-	5	1 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	65	15	10 U
Total BTEX	NE	27	ND	ND	ND	ND	ND	ND	ND	277	57	ND
Other VOCs (ug/L)												
Acetaldehyde	8*	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 U	10 U
Acetone	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 UJ
Bromodichloromethane	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	5	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 U
Butanone, 2-	50*	10 UJ	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U
Carbon disulfide	60*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	7	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloromethane	5	10 UJ	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 U	10 U	10 UJ	10 UJ
Cyclohexane	NE	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 UJ	6	10 UJ	10 U
Dibromochloromethane	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene, 1,2-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene, 1,4-	3	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	5	10 UJ	10 UJ	10 UJ	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U
Dichloroethane, 1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethane, 1,2-	0.6	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene, 1,1-	0.07	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene, cis-1,2-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloropropane, 1,2-	1	10 U	10 U	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 UJ
Dioxane, 1,4-	NE	R	R	R	R	R	R	R	R	R	R	R
Ethanol	NE	R	R	R	R	R	R	R	R	R	R	R
Hexachlorobutadiene	0.5	10 U	10 UJ	10 UJ	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U
Hexane, n-	NE	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U
Isopropyl benzene	5	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	4 J	4 J	10 U
Methyl tert-butyl ether	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ
Methylene chloride	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

Table 4-9
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 3 (OU-3)

Operable Unit:		OU3	OU3	OU3	OU3	OU3	OU3	OU3	OU3	OU3	OU3	OU3
Sample Name:	NYS	MW-11W	MW-12W	Duplicate of: MW-12W	MW-29S	Duplicate of: MW-29S	MW-29D	Duplicate of: MW-29D	MW-30WR	MW-32WR	MW-34S	MW-34I
Screened Interval:	AWQS	2-10 ft	2-10 ft	2-10 ft	5-10 ft	5-10 ft	14-19 ft	14-19 ft	2-9 ft	2-9 ft	2-10 ft	18.5-19.5 ft
Sample Date:		9/18/2009	8/28/2009	8/28/2009	9/3/2009	9/3/2009	9/2/2009	9/2/2009	8/28/2009	8/7/2009	8/31/2009	8/25/2009
Naphthalene	10*	10 UJ	3 J	10 U	10 UJ	10 UJ	10 U	10 U	4 J	9 J	25 J	10 UJ
Propanol, 2-	NE	500 U	R	R	R	R	R	R	R	R	R	R
Propylbenzene, n-	5	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U
Styrene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrahydrofuran	50*	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 U
Trichloroethane, 1,1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U
Trichloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene 1,3,5-/P-ethyltoluene	NE	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	3 J	7 J	10 U
Trimethylbenzene, 1,2,4-	5	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	5	9 J	10 UJ
Trimethylpentane, 2,2,4-	NE	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U
Non-carcinogenic PAHs (ug/L)												
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[g,h,i]perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylnaphthalene, 2-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	4 J	15	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carcinogenic PAHs (ug/L)												
Benz[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz[a,h]anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAHs (ug/L)												
Total PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	4	17	ND
Total Metals (ug/L)												
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-9
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 3 (OU-3)

Operable Unit:		OU3	OU3	OU3	OU3	OU3	OU3	OU3	OU3	OU3	OU3	OU3
Sample Name:	NYS	MW-11W	MW-12W	Duplicate of: MW-12W	MW-29S	Duplicate of: MW-29S	MW-29D	Duplicate of: MW-29D	MW-30WR	MW-32WR	MW-34S	MW-34I
Screened Interval:	AWQS	2-10 ft	2-10 ft	2-10 ft	5-10 ft	5-10 ft	14-19 ft	14-19 ft	2-9 ft	2-9 ft	2-10 ft	18.5-19.5 ft
Sample Date:		9/18/2009	8/28/2009	8/28/2009	9/3/2009	9/3/2009	9/2/2009	9/2/2009	8/28/2009	8/7/2009	8/31/2009	8/25/2009
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other												
Nitrogen, Ammonia (mg/L)	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate (mg/L)	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Total (mg/L)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Total Kjeldahl (mg/L)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Standard Plate Count (cfu/mL)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	210 J	NA
Sulfate (mg/L)	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide (mg/L)	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous (mg/L)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-9
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 3 (OU-3)

Operable Unit:		OU3	OU3	OU3	OU3	OU3	OU3	OU3	OU3	OU3	OU3	OU3
Sample Name:	NYS	MW-34D	MW-66S	MW-66D	MW-70/70S	MW-73	MWBS-02S	OU3MW-01S	OU3MW-02S	OU3MW-02I	OU3MW-03S	OU3MW-03I
Screened Interval:	AWQS	27.5-28.5 ft	1.5-11.5 ft	24-29 ft	2-12 ft	2-12 ft	5-15 ft	3-13 ft	3-13 ft	15-20 ft	1-11 ft	20-25 ft
Sample Date:		8/25/2009	8/7/2009	8/7/2009	8/31/2009	8/25/2009	9/2/2009	9/17/2009	9/17/2009	9/17/2009	9/16/2009	9/16/2009
BTEX (ug/L)												
Benzene	1	10 U	10 U	10 U	7	7900	6	10 U	10 U	10 U	4 J	10 U
Toluene	5	10 U	10 U	10 U	15	18000	3 J	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	5	10 U	10 U	10 U	180	7700	98	10 U	10 U	10 U	47	10 U
Xylene, m,p-	5	10 U	10 U	10 U	88	7900	31	10 U	10 U	10 U	5 J	10 U
Xylene, o-	5	10 U	10 U	10 U	120	3600	130	10 U	10 U	10 U	2 J	10 U
Total BTEX	NE	ND	ND	ND	410	45100	268	ND	ND	ND	58	ND
Other VOCs (ug/L)												
Acetaldehyde	8*	10 U	10 UJ	R	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	50*	10 UJ	10 UJ	10 UJ	4 J	7 J	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U
Bromodichloromethane	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	5	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U
Butanone, 2-	50*	10 U	10 UJ	10 UJ	10 U	2 J	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U
Carbon disulfide	60*	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	2 J	10 U	10 U	10 U	10 U
Chloroethane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	7	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloromethane	5	10 UJ	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U
Cyclohexane	NE	10 U	10 U	10 U	10 UJ	14	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U
Dibromochloromethane	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene, 1,2-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene, 1,4-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	5	10 U	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U
Dichloroethane, 1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethane, 1,2-	0.6	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene, 1,1-	0.07	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U
Dichloroethene, cis-1,2-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloropropane, 1,2-	1	10 UJ	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Dioxane, 1,4-	NE	R	R	R	R	R	R	R	R	R	R	R
Ethanol	NE	R	R	R	R	R	R	R	R	R	R	R
Hexachlorobutadiene	0.5	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U
Hexane, n-	NE	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U
Isopropyl benzene	5	10 U	10 U	10 U	3 J	130	3 J	10 UJ	10 UJ	10 UJ	10 U	10 U
Methyl tert-butyl ether	10*	10 UJ	10 U	3 J	10 U	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U
Methylene chloride	5	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U

Table 4-9
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 3 (OU-3)

Operable Unit:		OU3	OU3	OU3	OU3	OU3	OU3	OU3	OU3	OU3	OU3	OU3
Sample Name:	NYS	MW-34D	MW-66S	MW-66D	MW-70/70S	MW-73	MWBS-02S	OU3MW-01S	OU3MW-02S	OU3MW-02I	OU3MW-03S	OU3MW-03I
Screened Interval:	AWQS	27.5-28.5 ft	1.5-11.5 ft	24-29 ft	2-12 ft	2-12 ft	5-15 ft	3-13 ft	3-13 ft	15-20 ft	1-11 ft	20-25 ft
Sample Date:		8/25/2009	8/7/2009	8/7/2009	8/31/2009	8/25/2009	9/2/2009	9/17/2009	9/17/2009	9/17/2009	9/16/2009	9/16/2009
Naphthalene	10*	10 UJ	10 UJ	10 U	38 J	1400	20 J	10 U	10 U	10 U	2 J	10 U
Propanol, 2-	NE	R	R	R	R	R	R	R	R	R	500 U	R
Propylbenzene, n-	5	10 U	10 U	10 U	10 UJ	55	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U
Styrene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrahydrofuran	50*	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U
Trichloroethane, 1,1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene 1,3,5-/P-ethyltoluene	NE	10 U	10 U	10 U	15 J	1300	4 J	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene, 1,2,4-	5	10 UJ	10 U	10 U	17 J	660	7 J	10 UJ	10 UJ	10 UJ	10 U	10 U
Trimethylpentane, 2,2,4-	NE	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U
Non-carcinogenic PAHs (ug/L)												
Acenaphthene	20*	10 U	10 U	10 U	10 U	2 J	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	2 J	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[g,h,i]perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	1 J	10 U	10 U	10 U	10 U	10 U	10 U
Methylnaphthalene, 2-	NE	10 U	10 U	10 U	10 U	90 J	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	13	1200	7	10 U	10 U	10 U	2 J	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carcinogenic PAHs (ug/L)												
Benz[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz[a,h]anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAHs (ug/L)												
Total PAHs	NE	ND	ND	ND	13	1295	7	ND	ND	ND	2	ND
Total Metals (ug/L)												
Aluminum	NE	NA	NA	NA	NA	NA	NA	1380	951	17.7 U	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	2.8 J	2.1 U	2.1 U	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	2.3 UJ	2.3 UJ	2.3 UJ	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	19.5 J	23.0 J	17.8 J	NA	NA

Table 4-9
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 3 (OU-3)

Operable Unit:		OU3	OU3	OU3	OU3	OU3	OU3	OU3	OU3	OU3	OU3	OU3
Sample Name:	NYS	MW-34D	MW-66S	MW-66D	MW-70/70S	MW-73	MWBS-02S	OU3MW-01S	OU3MW-02S	OU3MW-02I	OU3MW-03S	OU3MW-03I
Screened Interval:	AWQS	27.5-28.5 ft	1.5-11.5 ft	24-29 ft	2-12 ft	2-12 ft	5-15 ft	3-13 ft	3-13 ft	15-20 ft	1-11 ft	20-25 ft
Sample Date:		8/25/2009	8/7/2009	8/7/2009	8/31/2009	8/25/2009	9/2/2009	9/17/2009	9/17/2009	9/17/2009	9/16/2009	9/16/2009
Beryllium	3*	NA	NA	NA	NA	NA	NA	0.75 J	0.49 J	0.26 U	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	0.34 UJ	0.34 UJ	0.34 UJ	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	25800	17700	13200	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	4.4 J	2.6 J	0.53 J	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	1.2 J	2.8	1.2 U	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	1.9 J	2.6 J	1.4 J	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	3410	337	61.8 J	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	2.4 J	1.8 U	1.8 U	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	5200	5140	3910 J	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	213	28.9	256	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	1.7 J	10.8 J	1.4 U	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	2630 J	2820 J	1900 J	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	75700 J	46400 J	91600 J	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	3.8 J	1.4 U	1.4 U	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	10.0 J	16.6 J	9.5 J	NA	NA
Other												
Nitrogen, Ammonia (mg/L)	2000	NA	NA	NA	NA	NA	NA	0.37	0.1 U	0.17	NA	NA
Nitrogen, Nitrate (mg/L)	10000	NA	NA	NA	NA	NA	NA	0.1 U	0.50	0.1 U	NA	NA
Nitrogen, Total (mg/L)	NE	NA	NA	NA	NA	NA	NA	1.20	0.66	0.16	NA	NA
Nitrogen, Total Kjeldahl (mg/L)	NE	NA	NA	NA	NA	NA	NA	1.20	0.16	0.16	NA	NA
Standard Plate Count (cfu/mL)	NE	NA	NA	NA	390 J	NA	220	960	1200	300	NA	NA
Sulfate (mg/L)	250000	NA	NA	NA	NA	NA	NA	5.91	35.2	18.5	NA	NA
Sulfide (mg/L)	50*	NA	NA	NA	NA	NA	NA	2 U	2 U	2 U	NA	NA
Total Phosphorous (mg/L)	NE	NA	NA	NA	NA	NA	NA	0.15	0.05 U	0.05 U	NA	NA

Table 4-9
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 3 (OU-3)

Operable Unit:		OU3	OU3	OU3	OU3	OU3	OU3
Sample Name:	NYS	Duplicate of: OU3MW-03I	OU3MW-04S	OU3MW-04I	OU3MW-04D	OU3MW-06	SV-02
Screened Interval:	AWQS	20-25 ft	1-11 ft	16-21 ft	26-31 ft	3-13 ft	2-12 ft
Sample Date:		9/16/2009	9/16/2009	9/16/2009	9/16/2009	9/16/2009	9/11/2009
BTEX (ug/L)							
Benzene	1	10 U	3 J	10 U	10 U	10 U	1500
Toluene	5	10 U	10 U	10	10 U	10 U	20000
Ethylbenzene	5	10 U	18	83	10 U	10 U	3700
Xylene, m,p-	5	10 U	2 J	23	10 U	10 U	6400
Xylene, o-	5	10 U	14	71	10 U	10 U	2700
Total BTEX	NE	ND	37	187	ND	ND	34300
Other VOCs (ug/L)							
Acetaldehyde	8*	10 U	10 U	10 U	10 U	10 U	10 UJ
Acetone	50*	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	14 UJ
Bromodichloromethane	50*	10 U	10 U	10 U	10 U	10 U	10 UJ
Bromomethane	5	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Butanone, 2-	50*	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	2 J
Carbon disulfide	60*	10 U	10 U	10 U	10 U	10 U	10 UJ
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U	10 UJ
Chloroethane	5	10 U	10 U	10 UJ	10 U	10 U	10 UJ
Chloroform	7	10 U	10 U	10 U	10 U	10 U	10 UJ
Chloromethane	5	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Cyclohexane	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Dibromochloromethane	50*	10 U	10 U	10 U	10 U	10 U	10 UJ
Dichlorobenzene, 1,2-	3	10 U	10 U	10 U	10 U	10 U	10 UJ
Dichlorobenzene, 1,4-	3	10 U	10 U	10 U	10 U	10 U	10 UJ
Dichlorodifluoromethane	5	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Dichloroethane, 1,1-	5	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Dichloroethane, 1,2-	0.6	10 U	10 U	10 U	10 U	10 U	10 UJ
Dichloroethene, 1,1-	0.07	10 U	10 U	10 U	10 U	10 U	10 UJ
Dichloroethene, cis-1,2-	5	10 U	10 U	10 U	2 J	10 U	10 UJ
Dichloropropane, 1,2-	1	10 U	10 U	10 U	10 U	10 U	10 UJ
Dioxane, 1,4-	NE	R	R	R	R	R	R
Ethanol	NE	R	R	R	R	R	R
Hexachlorobutadiene	0.5	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Hexane, n-	NE	10 U	10 U	10 U	10 U	10 U	10 UJ
Isopropyl benzene	5	10 UJ	7 J	2 J	10 UJ	10 UJ	33 J
Methyl tert-butyl ether	10*	10 UJ	10 U	10 UJ	10 UJ	10 UJ	2 J
Methylene chloride	5	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ

Table 4-9
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 3 (OU-3)

Operable Unit:		OU3	OU3	OU3	OU3	OU3	OU3
Sample Name:	NYS	Duplicate of: OU3MW-03I	OU3MW-04S	OU3MW-04I	OU3MW-04D	OU3MW-06	SV-02
Screened Interval:	AWQS	20-25 ft	1-11 ft	16-21 ft	26-31 ft	3-13 ft	2-12 ft
Sample Date:		9/16/2009	9/16/2009	9/16/2009	9/16/2009	9/16/2009	9/11/2009
Naphthalene	10*	10 U	32	16	10 U	10 U	740 J
Propanol, 2-	NE	R	R	500 UJ	R	R	R
Propylbenzene, n-	5	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	43 J
Styrene	5	10 U	10 U	10 U	10 U	10 U	3200
Tetrachloroethene	5	10 U	10 U	10 U	10 U	10 U	10 UJ
Tetrahydrofuran	50*	10 U	10 U	10 U	10 U	10 U	10 UJ
Trichloroethane, 1,1,1-	5	10 U	10 U	10 U	10 U	10 U	10 UJ
Trichloroethene	5	10 U	10 U	10 U	10 U	10 U	10 UJ
Trimethylbenzene 1,3,5-/P-ethyltoluene	NE	10 U	10 U	4 J	10 U	10 U	310 K
Trimethylbenzene, 1,2,4-	5	10 UJ	3 J	5 J	10 UJ	10 UJ	2000 U
Trimethylpentane, 2,2,4-	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Non-carcinogenic PAHs (ug/L)							
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	1 J
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[g,h,i]perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U
Methylnaphthalene, 2-	NE	10 U	10 U	10 U	10 U	10 U	28
Naphthalene	10*	10 U	19	9	10 U	10 U	640
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U
Carcinogenic PAHs (ug/L)							
Benz[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz[a,h]anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U
Total PAHs (ug/L)							
Total PAHs	NE	ND	19	9	ND	ND	669
Total Metals (ug/L)							
Aluminum	NE	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA

Table 4-9
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 3 (OU-3)

Operable Unit:		OU3	OU3	OU3	OU3	OU3	OU3
Sample Name:	NYS	Duplicate of: OU3MW-03I	OU3MW-04S	OU3MW-04I	OU3MW-04D	OU3MW-06	SV-02
Screened Interval:	AWQS	20-25 ft	1-11 ft	16-21 ft	26-31 ft	3-13 ft	2-12 ft
Sample Date:		9/16/2009	9/16/2009	9/16/2009	9/16/2009	9/16/2009	9/11/2009
Beryllium	3*	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA
Other							
Nitrogen, Ammonia (mg/L)	2000	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate (mg/L)	10000	NA	NA	NA	NA	NA	NA
Nitrogen, Total (mg/L)	NE	NA	NA	NA	NA	NA	NA
Nitrogen, Total Kjeldahl (mg/L)	NE	NA	NA	NA	NA	NA	NA
Standard Plate Count (cfu/mL)	NE	NA	NA	NA	NA	NA	NA
Sulfate (mg/L)	250000	NA	NA	NA	NA	NA	NA
Sulfide (mg/L)	50*	NA	NA	NA	NA	NA	NA
Total Phosphorous (mg/L)	NE	NA	NA	NA	NA	NA	NA

Table 4-10
Summary of Total BTEX Statistical Trends
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 3 (OU-3)

Location		Well ID	Number of Data Points	Number of Non-Detects	Median Value	Mann - Kendall Statistic (S)	Probability	Trend (At 90% Significant Level)
Brightwaters Yard Lines	Downgradient	MW-64	19	16	0.1	-41	0.0227	Decreasing
		MW-73	19	0	15070	-29	0.3103	No Trend
		MW-75	20	0	2034.5	-14	0.6497	No Trend
		MW-76	19	12	0.1	-35	0.1545	No Trend
		MW-78	19	0	3050	-95	0.0009	Decreasing
		MW-79	19	0	3110	-63	0.0275	Decreasing
		MW-80	19	0	41100	-45	0.1154	No Trend
		MW-81	19	0	15660	-69	0.0158	Decreasing
		MW-82	19	0	7144	-65	0.0230	Decreasing
		MW-83	19	4	142	-45	0.1135	No Trend
		SV-02	20	9	13.5	-14	0.6327	No Trend *
		SV-03	19	0	207	-121	0.0000	Decreasing
Union Boulevard Line	Upgradient	MW-45W	25	0	4210	-46	0.2827	No Trend
	Downgradient	MW-46W/WR	25	0	7270	-186	0.0000	Decreasing
		IO-10	23	12	0.1	-99	0.0046	Decreasing
		MW-11W	26	6	86	-108	0.0004	Decreasing
		MW-34I	14	9	0.1	-33	0.0338	Decreasing
		MW-34S	25	0	9170	-31	0.4944	No Trend
		MW-30WR	19	15	0.1	-18	0.3732	No Trend
		MW-32W/W-R	25	0	2048	-140	0.0011	Decreasing
MW-70/70S	25	0	682.8	-20	0.5164	No Trend		

Shading = Indicates that the normal approximation used to compute the achieved significance level may be poor.

* Statistical trend doesn't use high concentration system near startup, but only the post-startup consistent low concentrations.

Notes:

1. A high positive value of the Mann-Kendall Statistic (S) indicates an increasing statistical trend, and a low negative value of S indicates a decreasing statistical trend.
2. A conservative confidence interval of 90% was used to assess statistical trends with an associated error probability of less than 0.10.

Table 4-11
 Summary of Total PAH Statistical Trends
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 3 (OU-3)

Location		Well ID	Number of Data Points	Number of Non-Detects	Median Value	Mann - Kendall Statistic (S)	Probability	Trend (At 90% Significant Level)
Brightwaters Yard Lines	Downgradient	MW-64	19	16	0.1	1	0.9441	No Trend
		MW-73	19	1	560	-75	0.0045	Decreasing
		MW-75	20	7	47	-30	0.2805	No Trend
		MW-76	19	17	0.1	-27	0.0585	No Trend
		MW-78	19	9	35.5	-62	0.0136	Decreasing
		MW-79	19	7	27	-86	0.0009	Decreasing
		MW-80	19	0	810.5	-75	0.0045	Decreasing
		MW-81	19	3	464	-58	0.0279	Decreasing
		MW-82	19	2	260	-73	0.0054	Decreasing
		MW-83	19	13	0.1	-37	0.0927	No Trend
		SV-02	20	13	0.1	-31	0.1856	No Trend
SV-03	19	10	0.1	-47	0.0492	Decreasing		
Union Boulevard Line	Upgradient	MW-45W	25	7	44.5	-90	0.0236	Decreasing
	Downgradient	MW-46W/WR	25	1	160	-125	0.0035	Decreasing
		MW-11W	26	14	0.1	-83	0.0031	Decreasing
		MW-34D	13	12	0.1	-9	0.41325	No Trend
		MW-34I	14	10	0.1	-26	0.0505	No Trend
		MW-34S	25	0	110	2	0.9627	No Trend
		MW-32W/W-R	25	0	57	-50	0.2137	No Trend
MW-70/70S	25	5	15	-11	0.6759	No Trend		

Shading = Indicates that the normal approximation used to compute the achieved significance level may be poor.

Notes:

1. A high positive value of the Mann-Kendall Statistic (S) indicates an increasing statistical trend, and a low negative value of S indicates a decreasing statistical trend.
2. A conservative confidence interval of 90% was used to assess statistical trends with an associated error probability of less than 0.10.

Table 5-1
Water Level Measurements and Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 4 (OU-4)

Well ID	Date of Measurement	Time of Measurement	Well Casing Diameter (inches)	Well Elevation (feet above MSL) ¹	Depth to Water (feet)	Water Elevation (feet above MSL)	Comments
WCMW-01S	7/13/2009	12:53	1.00	18.18	3.33	14.85	
WCMW-01I	7/13/2009	12:54	1.00	17.99	3.05	14.94	
WCMW-01D	7/13/2009	12:55	1.00	17.69	3.73	13.96	
WCMW-02S	7/13/2009	12:20	1.00	15.34	1.81	13.53	
WCMW-02I	7/13/2009	12:18	1.00	15.23	1.64	13.59	
WCMW-02D	7/13/2009	12:16	1.00	15.15	1.53	13.62	
WCMW-03S	7/13/2009	13:02	2.00	17.15	2.40	14.75	
WCMW-03I	7/13/2009	13:03	2.00	17.20	2.36	14.84	
WCMW-03I2	7/13/2009	13:04	2.00	17.12	2.32	14.80	
WCMW-04S	7/13/2009	10:06	2.00	19.27	4.71	14.56	
WCMW-04I	7/13/2009	10:05	2.00	19.21	4.66	14.55	
WCMW-04I2	7/13/2009	10:04	2.00	19.16	4.53	14.63	
WCMW-05S	7/13/2009	10:30	2.00	18.46	3.84	14.62	
WCMW-05I	7/13/2009	10:29	2.00	18.27	3.62	14.65	
WCMW-05I2	7/13/2009	10:28	2.00	18.39	3.72	14.67	
WCMW-06S	7/13/2009	11:57	2.00	14.78	0.43	14.35	
WCMW-06I	7/13/2009	11:56	2.00	14.92	0.58	14.34	
WCMW-06I2	7/13/2009	11:55	2.00	15.08	0.70	14.38	
WCMW-07S	7/13/2009	-	2.00	NS	-	NC	No access
WCMW-07I	7/13/2009	-	2.00	NS	-	NC	No access
WCMW-07I2	7/13/2009	-	2.00	NS	-	NC	No access
WCMW-08S	7/13/2009	10:47	2.00	17.65	2.45	15.20	
WCMW-08I	7/13/2009	10:46	2.00	17.72	2.51	15.21	
WCMW-08I2	7/13/2009	10:45	2.00	17.76	2.53	15.23	
WCMW-09S	7/13/2009	10:40	2.00	18.03	3.00	15.03	
WCMW-10S	7/14/2009	7:12	2.00	17.44	2.72	14.72	
WCMW-10D	7/14/2009	7:13	2.00	17.36	2.65	14.71	
WCMW-11S	7/14/2009	8:45	2.00	NS	4.21	NC	
WCMW-11I	7/14/2009	8:46	2.00	NS	4.51	NC	
WCMW-11D	7/14/2009	8:47	2.00	NS	4.34	NC	
WCMW-12S	7/13/2009	12:30	2.00	16.88	3.15	13.73	
WCMW-12I	7/13/2009	12:31	2.00	17.19	3.46	13.73	
WCMW-12D	7/13/2009	12:32	2.00	17.15	3.41	13.74	
WCMW-13S	7/13/2009	11:29	2.00	15.11	1.45	13.66	
WCMW-13I	7/13/2009	11:28	2.00	15.41	1.81	13.60	
WCMW-13D	7/13/2009	11:27	2.00	15.38	1.72	13.66	
WCMW-14S	7/13/2009	11:43	2.00	15.68	1.44	14.24	
WCMW-14I	7/13/2009	11:44	2.00	15.34	0.82	14.52	
WCMW-14I2	7/13/2009	11:45	2.00	15.33	0.81	14.52	
WCMW-14D	7/13/2009	11:46	2.00	15.63	0.98	14.65	
WCMW-16S	7/13/2009	12:44	2.00	17.45	2.06	15.39	
WCMW-16I	7/13/2009	12:45	2.00	17.33	1.97	15.36	
WCMW-16I2	7/13/2009	12:46	2.00	17.25	1.91	15.34	
WCMW-18WT	7/13/2009	11:02	2.00	17.00	1.82	15.18	
WCMW-18S	7/13/2009	11:01	2.00	17.20	2.07	15.13	
WCMW-18I	7/13/2009	11:00	2.00	17.22	2.05	15.17	
WCMW-18I2	7/13/2009	11:03	2.00	17.22	2.05	15.17	
WCMW-19S	-	-	2.00	16.68	NM	NC	
WCMW-19I	-	-	2.00	16.92	NM	NC	
WCMW-19D	-	-	2.00	16.64	NM	NC	
WCMW-20S	-	-	2.00	16.92	NM	NC	
WCMW-20I	-	-	2.00	17.04	NM	NC	
WCMW-20D	-	-	2.00	16.92	NM	NC	
WCMW-21S	-	-	2.00	16.66	NM	NC	
WCMW-21I	-	-	2.00	16.36	NM	NC	
WCMW-21D	-	-	2.00	16.62	NM	NC	

Table 5-1
 Water Level Measurements and Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 4 (OU-4)

Well ID	Date of Measurement	Time of Measurement	Well Casing Diameter (inches)	Well Elevation (feet above MSL) ¹	Depth to Water (feet)	Water Elevation (feet above MSL)	Comments
WCMW-22S	-	-	2.00	NS	NM	NC	
WCMW-22I	-	-	2.00	NS	NM	NC	
WCMW-22I2	-	-	2.00	NS	NM	NC	
WCMW-22D	-	-	2.00	NS	NM	NC	
WCMW-23S	-	-	2.00	NS	NM	NC	
WCMW-23I	-	-	2.00	NS	NM	NC	
WCMW-23I2	-	-	2.00	NS	NM	NC	
BBSW-14*	7/13/2009	11:05	NA	15.05	1.99	13.06	Watchogue Creek at Union Blvd.

Notes:

- 1 - Well Elevations obtained from 2007 Survey and reference NVGD88 datum
- NS - 2007 Survey Data Not Available
- Not Available
- NM - Not Measured
- NC - Not Calculated
- * - Surface Water Gauging Station

Table 5-2
 Historic Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 Operable Unit No. 4 (OU-4)

Well Identification	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)										
		November-99	June-02	November-02	March-03	July-03	September-03	January-04	April-04	June-04	October-04	February-05
WCMW-01S	2.0 - 12.0	NM	13.89	14.15	15.01	14.66	13.92	14.21	15.27	13.62	14.09	14.89
WCMW-01I	35.0 - 45.0	NM	14.01	14.22	14.72	14.59	13.98	14.22	15.26	13.66	14.10	14.78
WCMW-01D	64.0 - 72.0	NM	14.00	14.12	14.89	14.59	13.97	14.31	15.24	13.63	14.09	13.89
WCMW-02S	3.0 - 13.0	NM	12.96	13.12	13.53	13.45	12.92	13.09	14.00	12.66	13.03	14.07
WCMW-02I	34.5 - 44.5	NM	12.86	13.03	13.43	13.34	12.86	13.01	13.96	12.56	12.95	13.52
WCMW-02D	62.0 - 72.0	NM	12.92	13.10	13.64	13.44	12.90	12.75	14.01	12.61	12.98	13.46
WCMW-03S	4.83 - 9.83	NM	NM	13.96	14.67	14.48	13.75	NM	15.04	13.44	13.96	14.64
WCMW-03I	19.4 - 24.4	NM	NM	14.15	14.71	14.58	13.93	NM	15.16	13.61	14.05	14.69
WCMW-03I2	28.55 - 33.55	NM	NM	13.98	14.52	14.41	13.76	NM	14.98	13.46	13.89	14.50
WCMW-04S	1.5 - 11.5	NM	NM	13.97	14.50	14.36	13.70	NM	15.06	13.39	13.83	14.46
WCMW-04I	19.0 - 24.0	NM	NM	13.94	14.49	14.36	13.70	NM	15.00	13.41	13.83	14.47
WCMW-04I2	29.85 - 34.85	NM	NM	14.05	14.58	14.43	13.79	NM	15.07	13.48	13.88	14.55
WCMW-05S	1.4 - 11.4	NM	NM	14.20	14.68	14.46	13.82	NM	15.05	13.48	13.97	14.66
WCMW-05I	19.61 - 24.61	NM	NM	13.98	14.51	14.40	13.76	NM	14.99	13.44	13.89	14.52
WCMW-05I2	29.46 - 34.46	NM	NM	14.02	14.54	14.43	13.81	NM	15.02	13.48	13.92	14.57
WCMW-06S	2.0 - 12.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-06I	19.55 - 24.55	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-06I2	29.83 - 34.83	NM	NM	13.86	14.33	14.21	13.60	NM	14.79	13.27	13.74	14.39
WCMW-08S	4.2 - 9.2	NM	NM	14.55	15.14	15.02	14.32	14.57	15.59	14.00	14.45	15.11
WCMW-08I	19.2 - 24.2	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-08I2	26.9 - 31.9	NM	NM	14.55	15.13	15.05	14.33	14.59	15.61	14.03	14.47	15.14
WCMW-09S	5.0 - 15.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-10S	15.0 - 20.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-10D	40.0 - 50.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-11S**	5.0 - 15.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-11I**	25.0 - 35.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-11D**	50.0 - 60.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-12S	3.0 - 13.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-12I	25.0 - 30.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-12D	65.0 - 70.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-13S	3.0 - 13.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-13I	25.0 - 30.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-13D	65.0 - 70.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-14S	2.0 - 12.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-14I	20.0 - 25.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-14I2	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-14D	67.0 - 72.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM

Table 5-2
 Historic Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 Operable Unit No. 4 (OU-4)

Well Identification	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)										
		November-99	June-02	November-02	March-03	July-03	September-03	January-04	April-04	June-04	October-04	February-05
WCMW-16S	2.0 - 12.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-16I	20.0 - 25.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-16I2	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-18WT	2.0 - 7.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-18S	2.0 - 12.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-18I	20.0 - 25.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-18I2	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM

Table 5-2
 Historic Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 Operable Unit No. 4 (OU-4)

Well Identification	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)								
		May-05	August-05	November-05	February-06	May-06	July/Aug-06	November-06	January-07	May-07
WCMW-01S	2.0 - 12.0	14.61	13.45	15.05	14.87	14.51	14.20	14.61	14.59	14.83
WCMW-01I	35.0 - 45.0	14.61	13.37	15.05	14.88	14.52	14.19	14.65	14.64	14.87
WCMW-01D	64.0 - 72.0	14.71	13.41	15.07	NM	14.51	14.18	14.63	14.53	14.84
WCMW-02S	3.0 - 13.0	13.44	12.25	13.69	13.53	13.22	12.95	13.39	13.35	13.60
WCMW-02I	34.5 - 44.5	13.41	12.28	13.75	13.61	13.28	12.98	13.43	13.41	13.67
WCMW-02D	62.0 - 72.0	13.55	12.34	13.84	13.64	13.32	12.98	13.47	13.44	13.70
WCMW-03S	4.83 - 9.83	14.41	13.42	15.03	14.87	14.52	14.23	14.61	14.57	14.83
WCMW-03I	19.4 - 24.4	14.55	13.32	14.96	14.80	14.43	14.11	14.55	14.56	14.80
WCMW-03I2	28.55 - 33.55	14.38	13.30	14.95	14.79	14.42	14.10	14.55	14.54	14.79
WCMW-04S	1.5 - 11.5	14.32	13.10	14.73	14.59	14.23	13.90	14.36	14.33	14.58
WCMW-04I	19.0 - 24.0	14.33	13.10	14.73	14.59	14.23	13.90	14.36	14.35	14.59
WCMW-04I2	29.85 - 34.85	14.45	13.21	14.83	14.64	14.32	13.99	14.45	14.43	14.70
WCMW-05S	1.4 - 11.4	14.39	13.18	14.85	14.70	14.31	13.99	14.48	14.43	14.67
WCMW-05I	19.61 - 24.61	14.37	13.16	14.81	14.65	14.29	13.97	14.42	14.40	14.66
WCMW-05I2	29.46 - 34.46	14.41	13.17	14.84	14.68	14.33	13.98	14.46	14.44	14.70
WCMW-06S	2.0 - 12.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-06I	19.55 - 24.55	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-06I2	29.83 - 34.83	14.22	12.98	14.62	NM	14.12	NM	NM	14.25	14.45
WCMW-08S	4.2 - 9.2	15.01	13.73	15.43	15.26	14.92	14.58	14.99	15.01	15.29
WCMW-08I	19.2 - 24.2	NM	NM	NM	NM	NM	14.60	15.03	15.03	15.28
WCMW-08I2	26.9 - 31.9	15.03	13.77	15.44	15.27	14.92	14.59	15.02	15.02	15.28
WCMW-09S	5.0 - 15.0	NM	NM	NM	15.05	14.71	14.39	14.81	14.82	15.08
WCMW-10S	15.0 - 20.0	NM	NM	NM	NM	NM	NM	NM	14.57	17.44
WCMW-10D	40.0 - 50.0	NM	NM	NM	14.82	14.46	14.14	NM	14.57	17.36
WCMW-11S**	5.0 - 15.0	NM	NM	NM	15.84	NM	NM	NM	NM	NM
WCMW-11I**	25.0 - 35.0	NM	NM	NM	15.84	NM	NM	NM	NM	NM
WCMW-11D**	50.0 - 60.0	NM	NM	NM	15.81	NM	NM	NM	NM	NM
WCMW-12S	3.0 - 13.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-12I	25.0 - 30.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-12D	65.0 - 70.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-13S	3.0 - 13.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-13I	25.0 - 30.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-13D	65.0 - 70.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-14S	2.0 - 12.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-14I	20.0 - 25.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-14I2	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-14D	67.0 - 72.0	NM	NM	NM	NM	NM	NM	NM	NM	NM

Table 5-2
 Historic Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 Operable Unit No. 4 (OU-4)

Well Identification	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)								
		May-05	August-05	November-05	February-06	May-06	July/Aug-06	November-06	January-07	May-07
WCMW-16S	2.0 - 12.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-16I	20.0 - 25.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-16I2	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-18WT	2.0 - 7.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-18S	2.0 - 12.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-18I	20.0 - 25.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-18I2	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM	NM	NM

Table 5-2
 Historic Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 Operable Unit No. 4 (OU-4)

Well Identification	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)											
		July/Aug-07	Oct/Nov-07	January-08	May-08	August-08	November-08	January-09	May-09	July-09	Minimum	Average	Maximum
WCMW-01S	2.0 - 12.0	14.09	13.51	14.28	14.79	13.84	14.45	14.56	14.82	14.85	13.45	14.42	15.27
WCMW-01I	35.0 - 45.0	14.14	13.53	14.30	14.88	13.77	14.44	14.56	14.83	14.94	13.37	14.42	15.26
WCMW-01D	64.0 - 72.0	14.14	13.55	14.28	14.87	13.66	14.50	14.03	14.82	13.96	13.41	14.31	15.24
WCMW-02S	3.0 - 13.0	12.95	12.35	13.07	13.54	12.59	13.24	13.31	13.63	13.53	12.25	13.23	14.07
WCMW-02I	34.5 - 44.5	12.98	12.34	13.11	13.62	12.64	13.25	13.25	13.60	13.59	12.28	13.20	13.96
WCMW-02D	62.0 - 72.0	13.02	12.39	13.16	13.65	12.93	13.30	13.38	13.56	13.62	12.34	13.25	14.01
WCMW-03S	4.83 - 9.83	14.09	13.43	14.28	14.79	13.84	14.43	14.52	14.78	14.75	13.42	14.36	15.04
WCMW-03I	19.4 - 24.4	14.06	13.41	14.22	14.78	13.76	14.37	14.52	14.77	14.84	13.32	14.37	15.16
WCMW-03I2	28.55 - 33.55	14.05	13.40	14.17	14.77	13.69	14.37	14.51	14.73	14.80	13.30	14.30	14.98
WCMW-04S	1.5 - 11.5	13.83	13.18	13.97	14.57	13.49	14.17	14.26	14.58	14.66	13.10	14.15	15.06
WCMW-04I	19.0 - 24.0	13.84	13.20	14.02	14.59	13.64	14.16	14.30	14.55	14.55	13.10	14.16	15.00
WCMW-04I2	29.85 - 34.85	13.94	13.29	14.12	14.67	13.45	14.26	14.39	14.62	14.63	13.21	14.24	15.07
WCMW-05S	1.4 - 11.4	13.92	13.25	14.14	14.64	13.59	14.32	14.40	14.66	14.62	13.18	14.26	15.05
WCMW-05I	19.61 - 24.61	13.92	13.27	14.07	14.62	13.57	14.23	14.36	14.61	14.65	13.16	14.21	14.99
WCMW-05I2	29.46 - 34.46	13.95	13.31	14.08	14.66	13.65	14.28	14.40	14.62	14.67	13.17	14.25	15.02
WCMW-06S	2.0 - 12.0	NM	13.03	13.83	14.38	13.40	14.01	14.18	14.07	14.35	13.03	13.91	14.38
WCMW-06I	19.55 - 24.55	NM	13.02	13.82	14.36	13.31	13.99	14.07	14.04	14.34	13.02	13.87	14.36
WCMW-06I2	29.83 - 34.83	13.69	13.07	13.83	14.39	13.37	14.02	14.11	14.17	14.38	12.98	13.99	14.79
WCMW-08S	4.2 - 9.2	14.52	13.82	14.64	15.26	14.14	14.78	14.99	15.21	15.20	13.73	14.80	15.59
WCMW-08I	19.2 - 24.2	14.51	13.85	14.66	15.27	14.13	14.80	15.01	15.24	15.21	13.85	14.82	15.28
WCMW-08I2	26.9 - 31.9	14.52	13.82	14.74	15.25	14.11	14.79	14.99	15.22	15.23	13.77	14.81	15.61
WCMW-09S	5.0 - 15.0	14.32	13.64	14.45	15.04	13.94	14.60	14.75	15.03	15.03	13.64	14.64	15.08
WCMW-10S	15.0 - 20.0	NM	13.47	14.18	14.80	13.69	14.37	14.53	14.78	14.72	13.47	14.66	17.44
WCMW-10D	40.0 - 50.0	NM	13.42	14.18	14.80	13.74	14.37	13.52	14.78	14.71	13.42	14.53	17.36
WCMW-11S**	5.0 - 15.0	NM	NM	NM	NC	NC	NC	NC	NC	NC	15.84	15.84	15.84
WCMW-11I**	25.0 - 35.0	NM	NM	NM	NC	NC	NC	NC	NC	NC	15.84	15.84	15.84
WCMW-11D**	50.0 - 60.0	NM	NM	NM	NC	NC	NC	NC	NC	NC	15.81	15.81	15.81
WCMW-12S	3.0 - 13.0	NM	NM	NM	13.77	12.82	13.42	13.46	13.75	13.73	12.82	13.49	13.77
WCMW-12I	25.0 - 30.0	NM	NM	NM	13.76	12.82	13.43	13.46	13.70	13.73	12.82	13.48	13.76
WCMW-12D	65.0 - 70.0	NM	NM	NM	13.78	12.81	13.44	13.49	13.77	13.74	12.81	13.51	13.78
WCMW-13S	3.0 - 13.0	NM	NM	NM	13.59	12.71	13.30	13.37	13.56	13.66	12.71	13.37	13.66
WCMW-13I	25.0 - 30.0	NM	NM	NM	13.68	12.74	13.33	13.41	13.62	13.60	12.74	13.40	13.68
WCMW-13D	65.0 - 70.0	NM	NM	NM	13.71	12.92	13.37	13.47	13.68	13.66	12.92	13.47	13.71
WCMW-14S	2.0 - 12.0	NM	NM	NM	14.57	13.80	14.20	14.34	14.49	14.24	13.80	14.27	14.57
WCMW-14I	20.0 - 25.0	NM	NM	NM	14.53	13.50	14.15	14.25	14.33	14.52	13.50	14.21	14.53
WCMW-14I2	30.0 - 35.0	NM	NM	NM	14.53	13.18	14.16	14.28	14.41	14.52	13.18	14.18	14.53
WCMW-14D	67.0 - 72.0	NM	NM	NM	14.56	12.42	14.20	14.43	14.45	14.65	12.42	14.12	14.65

Table 5-2
 Historic Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 Operable Unit No. 4 (OU-4)

Well Identification	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)											
		July/Aug-07	Oct/Nov-07	January-08	May-08	August-08	November-08	January-09	May-09	July-09	Minimum	Average	Maximum
WCMW-16S	2.0 - 12.0	NM	NM	NM	15.29	14.35	14.85	14.98	15.30	15.39	14.35	15.03	15.39
WCMW-16I	20.0 - 25.0	NM	NM	NM	15.28	14.29	14.86	15.01	15.27	15.36	14.29	15.01	15.36
WCMW-16I2	30.0 - 35.0	NM	NM	NM	15.25	14.56	14.84	14.98	15.27	15.34	14.56	15.04	15.34
WCMW-18WT	2.0 - 7.0	NM	NM	NM	NM	NM	NM	NM	NM	15.18	15.18	15.18	15.18
WCMW-18S	2.0 - 12.0	NM	NM	NM	NM	NM	NM	NM	NM	15.13	15.13	15.13	15.13
WCMW-18I	20.0 - 25.0	NM	NM	NM	NM	NM	NM	NM	NM	15.17	15.17	15.17	15.17
WCMW-18I2	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM	NM	15.17	15.17	15.17	15.17

Notes:

NM - not measured

bgs - below ground surface

NC - not calculated

Well Elevations obtained from 2007 Survey and reference NVGD88 datum

** 2007 Groundwater Elevation Data not Available. Groundwater elevation data presented is in reference to the NGVD29 Datum

Table 5-3
 Summary of Historic Total BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 4 (OU-4)

Well ID	Screen Interval (feet)	Total BTEX Groundwater Concentration (ug/L)											
		Sampling Date											
		2002		2003			2004			2005			
		June/July	Nov/Dec	Feb-Apr	Jul/Aug	Sept/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	June	August
WCMW-01S	2.0 - 12.0	5	1	0	0	0	0	0	11	0	0	0	10
WCMW-01I	35.0 - 45.0	0	0	0	0	0	--	0	0	--	0	--	--
WCMW-01D	64.0 - 74.0	0	0	--	0	--	--	0	0	--	--	--	--
WCMW-02S	3.0 - 13.0	6	0	0	0	0	0	0	0	--	0	--	--
WCMW-02I	34.5 - 44.5	0	0	0	0	0	--	0	0	--	--	--	--
WCMW-02D	62.0 - 72.0	0	0	--	--	--	--	0	0	--	--	--	--
WCMW-03S	4.83 - 9.83	--	10	12	25	0	10	25	14	0	42	14	23
WCMW-03I	19.4 - 24.4	--	0	0	0	0	0	0	0	0	0	--	--
WCMW-03I2	28.55 - 33.55	--	0	0	0	0	0	0	0	0	0	--	--
WCMW-04S	1.6 - 11.6	--	33	0	15	16	12	0	10	40	0	16	0
WCMW-04I	19.0 - 24.0	--	0	0	0	0	0	0	0	--	0	--	--
WCMW-04I2	29.85 - 34.85	--	0	--	0	0	--	0	0	0	0	--	--
WCMW-05S	1.4 - 11.4	--	0	0	0	0	0	0	0	0	0	--	--
WCMW-05I	19.61 - 24.61	--	0	0	0	0	0	0	0	--	0	--	--
WCMW-05I2	29.46 - 34.46	--	0	0	0	0	--	0	0	0	0	--	--
WCMW-06S	2.0 - 12.0	--	0	0	0	0	0	0	0	--	--	--	--
WCMW-06I	19.55 - 24.55	--	0	0	0	0	0	0	0	--	--	--	--
WCMW-06I2	29.83 - 34.83	--	0	--	0	0	--	0	0	--	--	--	--
WCMW-07S	2.76 - 12.76	--	0	0	0	0	--	0	--	--	--	--	--
WCMW-07I	18.9 - 23.9	--	0	--	0	0	--	0	--	--	--	--	--
WCMW-07I2	28.95 - 33.95	--	0	--	0	0	--	0	--	--	--	--	--
WCMW-08S	4.2 - 9.2	--	0	0	0	0	--	0	0	--	--	--	--
WCMW-08I	19.2 - 24.2	--	0	--	0	0	0	0	0	--	--	--	--
WCMW-08I2	26.9 - 31.9	--	0	--	0	0	--	0	0	--	--	--	--
WCMW-09S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-10S	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-10D	40.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-11S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-11I	25.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-11D	50.0 - 60.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-12S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-12I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-12D	67.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-13S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-13I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-13D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-14S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-14I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-14I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-14D	67.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-16S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-16I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-16I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-17S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--

Table 5-3
 Summary of Historic Total BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 4 (OU-4)

Well ID	Screen Interval (feet)	Total BTEX Groundwater Concentration (ug/L)											
		Sampling Date											
		2002		2003			2004			2005			
		June/July	Nov/Dec	Feb-Apr	Jul/Aug	Sept/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	June	August
WCMW-17I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-17I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-18WT	2.0 - 7.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-18S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-18I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-18I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-19S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-19I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-19I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-20S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-20I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-20I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-21S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-21I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-21I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-22S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-22I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-23S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-23I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--

Table 5-3
 Summary of Historic Total BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 4 (OU-4)

Well ID	Screen Interval (feet)	Total BTEX Groundwater Concentration (ug/L)												
		Sampling Date												
		2005	2006				2007				2008			
		Nov/Dec	March	June	Jul/Aug	Nov/Dec	March	May-July	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	July-Sep	
WCMW-01S	2.0 - 12.0	0	0	0	23	0	0	0	13	9	2	0	12	
WCMW-01I	35.0 - 45.0	--	0	--	--	--	0	--	0	1	0	0	0	
WCMW-01D	64.0 - 74.0	--	0	--	--	--	0	--	0	2	0	0	0	
WCMW-02S	3.0 - 13.0	--	0	0	0	0	0	0	4	6	0	0	2	
WCMW-02I	34.5 - 44.5	--	0	--	--	--	0	--	0	0	0	0	0	
WCMW-02D	62.0 - 72.0	--	0	--	--	--	0	--	0	0	0	0	0	
WCMW-03S	4.83 - 9.83	10	--	0	22	20	0	12	32	0	20	21	25	
WCMW-03I	19.4 - 24.4	0	--	0	--	--	--	--	0	0	0	0	0	
WCMW-03I2	28.55 - 33.55	0	--	0	--	--	--	--	0	0	0	0	0	
WCMW-04S	1.6 - 11.6	0	11	10	31	16	0	12	23	25	6	22	24	
WCMW-04I	19.0 - 24.0	0	--	--	--	0	--	--	0	0	0	0	0	
WCMW-04I2	29.85 - 34.85	0	--	--	--	0	--	--	0	0	0	0	0	
WCMW-05S	1.4 - 11.4	0	--	0	--	--	0	0	0	0	0	0	0	
WCMW-05I	19.61 - 24.61	0	--	0	--	--	--	--	0	0	0	0	0	
WCMW-05I2	29.46 - 34.46	0	--	0	--	--	--	--	0	0	0	0	0	
WCMW-06S	2.0 - 12.0	--	--	--	--	--	0	0	0	0	0	0	0	
WCMW-06I	19.55 - 24.55	--	--	--	--	--	--	--	0	0	0	0	0	
WCMW-06I2	29.83 - 34.83	--	--	--	--	--	--	--	0	0	0	0	0	
WCMW-07S	2.76 - 12.76	--	--	--	--	--	--	--	--	--	--	--	--	
WCMW-07I	18.9 - 23.9	--	--	--	--	--	--	--	--	--	--	--	--	
WCMW-07I2	28.95 - 33.95	--	--	--	--	--	--	--	--	--	--	--	--	
WCMW-08S	4.2 - 9.2	--	0	--	--	--	--	--	0	0	0	--	0	
WCMW-08I	19.2 - 24.2	--	--	--	--	--	--	--	0	0	0	--	0	
WCMW-08I2	26.9 - 31.9	--	--	--	--	--	--	--	0	0	0	--	0	
WCMW-09S	5.0 - 15.0	--	0	0	0	--	--	--	0	0	0	0	0	
WCMW-10S	15.0 - 20.0	--	0	0	0	0	0	0	0	0	0	0	0	
WCMW-10D	40.0 - 50.0	--	0	0	0	--	--	--	1	0	0	0	0	
WCMW-11S	5.0 - 15.0	--	80	--	148	--	--	--	--	--	--	53	--	
WCMW-11I	25.0 - 35.0	--	0	--	25.0	0	--	--	--	--	--	0	--	
WCMW-11D	50.0 - 60.0	--	0	--	0	--	--	--	--	--	--	0	--	
WCMW-12S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	0	0	0	
WCMW-12I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	0	0	0	
WCMW-12D	67.0 - 72.0	--	--	--	--	--	--	--	--	--	0	0	0	
WCMW-13S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	0	0	1	
WCMW-13I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	0	0	0	
WCMW-13D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	0	0	0	
WCMW-14S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	0	0	0	
WCMW-14I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	0	0	0	
WCMW-14I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	0	0	0	
WCMW-14D	67.0 - 72.0	--	--	--	--	--	--	--	--	--	0	0	0	
WCMW-16S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	0	0	0	
WCMW-16I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	0	0	0	
WCMW-16I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	0	0	0	
WCMW-17S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	

Table 5-3
 Summary of Historic Total BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 4 (OU-4)

Well ID	Screen Interval (feet)	Total BTEX Groundwater Concentration (ug/L)											
		Sampling Date											
		2005	2006				2007				2008		
		Nov/Dec	March	June	Jul/Aug	Nov/Dec	March	May-July	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	July-Sep
WCMW-17I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-17I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-18WT	2.0 - 7.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-18S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-18I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-18I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-19S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-19I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-19I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-20S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-20I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-20I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-21S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-21I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-21I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-22S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-22I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-23S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-23I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--

Table 5-3
 Summary of Historic Total BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 4 (OU-4)

Well ID	Screen Interval (feet)	Total BTEX Groundwater Concentration (ug/L)								
		Sampling Date				Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2008	2009							
		Oct-Dec	Jan-Mar	Apr-Jun	July-Aug					
WCMW-01S	2.0 - 12.0	3	3	1	4	0	23	3	0	23
WCMW-011	35.0 - 45.0	0	0	0	0	0	1	0	0	1
WCMW-01D	64.0 - 74.0	0	0	0	0	0	2	0	0	2
WCMW-02S	3.0 - 13.0	0	0	0	0	0	6	1	0	6
WCMW-02I	34.5 - 44.5	0	0	0	0	0	0	0	0	0
WCMW-02D	62.0 - 72.0	0	0	0	0	0	0	0	0	0
WCMW-03S	4.83 - 9.83	24	33	34	23	0	42	17	0	42
WCMW-03I	19.4 - 24.4	0	0	0	0	0	0	0	0	0
WCMW-03I2	28.55 - 33.55	0	0	0	0	0	0	0	0	0
WCMW-04S	1.6 - 11.6	26	21	34	10	0	40	16	0	40
WCMW-04I	19.0 - 24.0	0	0	0	2	0	0	0	0	2
WCMW-04I2	29.85 - 34.85	0	0	0	0	0	0	0	0	0
WCMW-05S	1.4 - 11.4	0	1	0	0	0	1	0	0	1
WCMW-05I	19.61 - 24.61	0	0	0	0	0	0	0	0	0
WCMW-05I2	29.46 - 34.46	0	0	0	0	0	0	0	0	0
WCMW-06S	2.0 - 12.0	0	0	0	0	0	0	0	0	0
WCMW-06I	19.55 - 24.55	0	0	0	0	0	0	0	0	0
WCMW-06I2	29.83 - 34.83	0	0	0	0	0	0	0	0	0
WCMW-07S	2.76 - 12.76	--	--	--	--	0	0	0	0	0
WCMW-07I	18.9 - 23.9	--	--	--	--	0	0	0	0	0
WCMW-07I2	28.95 - 33.95	--	--	--	--	0	0	0	0	0
WCMW-08S	4.2 - 9.2	--	--	--	--	0	0	0	0	0
WCMW-08I	19.2 - 24.2	--	--	--	--	0	0	0	0	0
WCMW-08I2	26.9 - 31.9	--	--	--	--	0	0	0	0	0
WCMW-09S	5.0 - 15.0	0	0	0	0	0	0	0	0	0
WCMW-10S	15.0 - 20.0	0	0	0	0	0	0	0	0	0
WCMW-10D	40.0 - 50.0	0	0	0	0	0	1	0	0	1
WCMW-11S	5.0 - 15.0	--	--	53	36	53	148	84	36	148
WCMW-11I	25.0 - 35.0	--	--	0	0	0	0	0	0	0
WCMW-11D	50.0 - 60.0	--	--	0	0	0	0	0	0	0
WCMW-12S	3.0 - 13.0	0	0	0	0	0	0	0	0	0
WCMW-12I	25.0 - 30.0	0	0	0	0	0	0	0	0	0
WCMW-12D	67.0 - 72.0	0	0	0	0	0	0	0	0	0
WCMW-13S	3.0 - 13.0	0	0	0	0	0	1	0	0	1
WCMW-13I	25.0 - 30.0	0	0	0	0	0	0	0	0	0
WCMW-13D	65.0 - 70.0	0	0	0	0	0	0	0	0	0
WCMW-14S	2.0 - 12.0	0	0	0	0	0	0	0	0	0
WCMW-14I	20.0 - 25.0	0	0	0	0	0	0	0	0	0
WCMW-14I2	30.0 - 35.0	0	0	0	0	0	0	0	0	0
WCMW-14D	67.0 - 72.0	0	0	0	0	0	0	0	0	0
WCMW-16S	2.0 - 12.0	0	0	2	0	0	2	0	0	2
WCMW-16I	20.0 - 25.0	0	0	1	0	0	1	0	0	1
WCMW-16I2	30.0 - 35.0	0	0	2	0	0	2	0	0	2
WCMW-17S	2.0 - 12.0	--	--	5	6	5	5	5	5	6

Table 5-3
 Summary of Historic Total BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 4 (OU-4)

Well ID	Screen Interval (feet)	Total BTEX Groundwater Concentration (ug/L)								
		Sampling Date				Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2008	2009							
		Oct-Dec	Jan-Mar	Apr-Jun	July-Aug					
WCMW-171	20.0 - 25.0	--	--	0	2	0	0	0	0	2
WCMW-1712	30.0 - 35.0	--	--	0	0	0	0	0	0	0
WCMW-18WT	2.0 - 7.0	--	--	0	0	0	0	0	0	0
WCMW-18S	2.0 - 12.0	--	--	0	0	0	0	0	0	0
WCMW-18I	20.0 - 25.0	--	--	0	0	0	0	0	0	0
WCMW-18I2	30.0 - 35.0	--	--	0	0	0	0	0	0	0
WCMW-19S	2.0 - 12.0	--	--	--	0	NA	NA	NA	0	0
WCMW-19I	20.0 - 25.0	--	--	--	0	NA	NA	NA	0	0
WCMW-19I2	30.0 - 35.0	--	--	--	0	NA	NA	NA	0	0
WCMW-20S	2.0 - 12.0	--	--	--	0	NA	NA	NA	0	0
WCMW-20I	20.0 - 25.0	--	--	--	0	NA	NA	NA	0	0
WCMW-20I2	30.0 - 35.0	--	--	--	0	NA	NA	NA	0	0
WCMW-21S	2.0 - 12.0	--	--	--	0	NA	NA	NA	0	0
WCMW-21I	20.0 - 25.0	--	--	--	0	NA	NA	NA	0	0
WCMW-21I2	30.0 - 35.0	--	--	--	0	NA	NA	NA	0	0
WCMW-22S	2.0 - 12.0	--	--	--	0	NA	NA	NA	0	0
WCMW-22I	25.0 - 30.0	--	--	--	0	NA	NA	NA	0	0
WCMW-23S	2.0 - 12.0	--	--	--	0	NA	NA	NA	0	0
WCMW-23I	25.0 - 30.0	--	--	--	0	NA	NA	NA	0	0

Table 5-4
 Summary of Historic Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 4 (OU-4)

Well ID	Screen Interval (feet)	Total PAH Groundwater Concentrations (ug/L)											
		Sampling Date											
		2002		2003			2004				2005		
		June/July	Nov/Dec	Feb-Apr	Jul/Aug	Sept/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	June	August
WCMW-01S	2.0 - 12.0	33	756	24	10	117	0	19	228	240	0	51	298
WCMW-01I	35.0 - 45.0	2	2	0	0	0	--	0	0	--	0	--	--
WCMW-01D	64.0 - 74.0	45	35	--	0	--	--	0	0	--	--	--	--
WCMW-02S	3.0 - 13.0	79	125	0	0	62	0	0	44	--	15	--	--
WCMW-02I	34.5 - 44.5	0	4	0	0	0	--	0	0	--	--	--	--
WCMW-02D	62.0 - 72.0	0	0	--	--	--	--	0	0	--	--	--	--
WCMW-03S	4.83 - 9.83	--	74	393	419	481	34	293	458	350	235	171	800
WCMW-03I	19.4 - 24.4	--	268	1,120	1,100	1,004	1,243	1,261	1,395	1,182	1,532	--	--
WCMW-03I2	28.55 - 33.55	--	327	340	402	348	49	133	191	127	94	--	--
WCMW-04S	1.6 - 11.6	--	1,080	141	69	270	50	0	219	836	17	136	204
WCMW-04I	19.0 - 24.0	--	221	174	142	99	0	62	90	--	81	--	--
WCMW-04I2	29.85 - 34.85	--	0	--	0	0	--	0	17	95	0	--	--
WCMW-05S	1.4 - 11.4	--	0	31	0	0	0	10	0	14	12	--	--
WCMW-05I	19.61 - 24.61	--	156	329	243	215	298	227	245	--	276	--	--
WCMW-05I2	29.46 - 34.46	--	0	0	15	0	--	0	0	214	0	--	--
WCMW-06S	2.0 - 12.0	--	39	0	0	0	0	0	0	--	--	--	--
WCMW-06I	19.55 - 24.55	--	0	0	0	0	0	0	0	--	--	--	--
WCMW-06I2	29.83 - 34.83	--	0	--	0	0	--	0	0	--	--	--	--
WCMW-07S	2.76 - 12.76	--	0	0	0	56	--	0	--	--	--	--	--
WCMW-07I	18.9 - 23.9	--	0	--	0	0	--	0	--	--	--	--	--
WCMW-07I2	28.95 - 33.95	--	0	--	0	0	--	0	--	--	--	--	--
WCMW-08S	4.2 - 9.2	--	0	0	0	0	--	0	0	--	--	--	--
WCMW-08I	19.2 - 24.2	--	0	--	0	0	0	0	0	--	--	--	--
WCMW-08I2	26.9 - 31.9	--	0	--	0	0	--	0	0	--	--	--	--
WCMW-09S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-10S	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-10D	40.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-11S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-11I	25.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-11D	50.0 - 60.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-12S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-12I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-12D	67.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-13S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-13I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-13D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-14S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-14I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-14I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-14D	67.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-16S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-16I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-16I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--

Table 5-4
 Summary of Historic Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 4 (OU-4)

Well ID	Screen Interval (feet)	Total PAH Groundwater Concentrations (ug/L)											
		Sampling Date											
		2002		2003			2004				2005		
		June/July	Nov/Dec	Feb-Apr	Jul/Aug	Sept/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	June	August
WCMW-17S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-17I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-17I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-18WT	2.0 - 7.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-18S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-18I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-18I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-19S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-19I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-19I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-20S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-20I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-20I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-21S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-21I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-21I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-22S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-22I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-23S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-23I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--

Table 5-4
 Summary of Historic Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 4 (OU-4)

Well ID	Screen Interval (feet)	Total PAH Groundwater Concentration (ug/L)											
		Sampling Date											
		2005	2006			2007				2008			
		Nov/Dec	March	June	Jul/Aug	Nov/Dec	March	May-July	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	July-Sep
WCMW-01S	2.0 - 12.0	14	0	10	340	130	78	291	203	345	47	9	353
WCMW-01I	35.0 - 45.0	--	0	--	--	--	0	--	0	0	0	0	2
WCMW-01D	64.0 - 74.0	--	0	--	--	--	0	--	0	0	0	0	0
WCMW-02S	3.0 - 13.0	--	0	0	30	0	0	0	77	101	0	4	51
WCMW-02I	34.5 - 44.5	--	0	--	--	--	0	--	0	0	0	0	1
WCMW-02D	62.0 - 72.0	--	0	--	--	--	0	--	0	0	0	0	1
WCMW-03S	4.83 - 9.83	376	--	242	339	233	198	240	305	44	122	12	102
WCMW-03I	19.4 - 24.4	1,423	--	1,770	--	--	--	--	255	315	939	134	290
WCMW-03I2	28.55 - 33.55	109	--	83	--	--	--	--	5	37	6	0	25
WCMW-04S	1.6 - 11.6	153	116	57	264	445	95	214	194	326	186	72	337
WCMW-04I	19.0 - 24.0	155	--	--	--	144	--	--	142	94	70	66	96
WCMW-04I2	29.85 - 34.85	0	--	--	--	0	--	--	0	0	0	0	0
WCMW-05S	1.4 - 11.4	0	--	0	--	--	0	0	3	3	5	3	4
WCMW-05I	19.61 - 24.61	338	--	286	--	--	--	--	242	287	162	153	121
WCMW-05I2	29.46 - 34.46	0	--	0	--	--	--	--	7	31	0	0	39
WCMW-06S	2.0 - 12.0	--	--	--	--	--	0	0	1	0	0	4	0
WCMW-06I	19.55 - 24.55	--	--	--	--	--	--	--	52	0	0	0	0
WCMW-06I2	29.83 - 34.83	--	--	--	--	--	--	--	0	11	0	0	0
WCMW-07S	2.76 - 12.76	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-07I	18.9 - 23.9	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-07I2	28.95 - 33.95	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-08S	4.2 - 9.2	--	0	--	--	--	--	--	0	0	0	--	0
WCMW-08I	19.2 - 24.2	--	--	--	--	--	--	--	0	0	0	--	0
WCMW-08I2	26.9 - 31.9	--	--	--	--	--	--	--	0	0	0	--	0
WCMW-09S	5.0 - 15.0	--	0	0	0	--	--	--	0	0	0	0	0
WCMW-10S	15.0 - 20.0	--	0	0	21	0	0	0	0	0	0	0	0
WCMW-10D	40.0 - 50.0	--	0	0	--	--	--	--	0	0	0	0	0
WCMW-11S	5.0 - 15.0	--	1,037	--	590	--	--	--	--	--	--	705	--
WCMW-11I	25.0 - 35.0	--	0	--	0	--	--	--	--	--	--	0	--
WCMW-11D	50.0 - 60.0	--	0	--	0	--	--	--	--	--	--	0	--
WCMW-12S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	2	5	4
WCMW-12I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	0	0	0
WCMW-12D	67.0 - 72.0	--	--	--	--	--	--	--	--	--	0	0	1
WCMW-13S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	0	0	1
WCMW-13I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	0	0	0
WCMW-13D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	0	0	0
WCMW-14S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	0	0	0
WCMW-14I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	16	77	0
WCMW-14I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	0	0	70
WCMW-14D	67.0 - 72.0	--	--	--	--	--	--	--	--	--	0	0	0
WCMW-16S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	4	28	57
WCMW-16I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	0	0	0
WCMW-16I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	0	0	0

Table 5-4
 Summary of Historic Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 4 (OU-4)

Well ID	Screen Interval (feet)	Total PAH Groundwater Concentration (ug/L)											
		Sampling Date											
		2005	2006				2007				2008		
		Nov/Dec	March	June	Jul/Aug	Nov/Dec	March	May-July	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	July-Sep
WCMW-17S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-17I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-17I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-18WT	2.0 - 7.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-18S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-18I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-18I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-19S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-19I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-19I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-20S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-20I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-20I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-21S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-21I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-21I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-22S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-22I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-23S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-23I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--

Table 5-4
 Summary of Historic Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 4 (OU-4)

Well ID	Screen Interval (feet)	Total PAH Groundwater Concentration (ug/L)								
		Sampling Date				Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2008	2009							
		Oct-Dec	Jan-Mar	Apr-Jun	July-Aug					
WCMW-01S	2.0 - 12.0	77	0	16	26	0	756	137	0	756
WCMW-01I	35.0 - 45.0	0	0	0	46	0	2	0	0	46
WCMW-01D	64.0 - 74.0	0	0	0	2	0	45	5	0	45
WCMW-02S	3.0 - 13.0	27	0	5	0	0	125	27	0	125
WCMW-02I	34.5 - 44.5	0	0	0	0	0	4	0	0	4
WCMW-02D	62.0 - 72.0	0	0	0	0	0	1	0	0	1
WCMW-03S	4.83 - 9.83	239	243	358	419	12	800	270	12	800
WCMW-03I	19.4 - 24.4	1,107	142	1,146	994	134	1,770	928	134	1,770
WCMW-03I2	28.55 - 33.55	24	0	2	5	0	402	121	0	402
WCMW-04S	1.6 - 11.6	332	43	16	272	0	1,080	226	0	1,080
WCMW-04I	19.0 - 24.0	100	33	108	101	0	221	104	0	221
WCMW-04I2	29.85 - 34.85	0	0	0	0	0	95	7	0	95
WCMW-05S	1.4 - 11.4	2	5	7	6	0	31	5	0	31
WCMW-05I	19.61 - 24.61	150	170	241	411	121	338	230	121	411
WCMW-05I2	29.46 - 34.46	63	0	48	5	0	214	23	0	214
WCMW-06S	2.0 - 12.0	0	0	0	0	0	39	3	0	39
WCMW-06I	19.55 - 24.55	0	0	0	0	0	52	3	0	52
WCMW-06I2	29.83 - 34.83	0	0	0	0	0	11	1	0	11
WCMW-07S	2.76 - 12.76	--	--	--	--	0	56	11	0	56
WCMW-07I	18.9 - 23.9	--	--	--	--	0	0	0	0	0
WCMW-07I2	28.95 - 33.95	--	--	--	--	0	0	0	0	0
WCMW-08S	4.2 - 9.2	--	--	--	--	0	0	0	0	0
WCMW-08I	19.2 - 24.2	--	--	--	--	0	0	0	0	0
WCMW-08I2	26.9 - 31.9	--	--	--	--	0	0	0	0	0
WCMW-09S	5.0 - 15.0	0	0	0	0	0	0	0	0	0
WCMW-10S	15.0 - 20.0	0	0	0	0	0	21	2	0	21
WCMW-10D	40.0 - 50.0	0	0	0	0	0	0	0	0	0
WCMW-11S	5.0 - 15.0	--	--	624	637	590	1,037	739	590	1,037
WCMW-11I	25.0 - 35.0	--	--	0	10	0	0	0	0	10
WCMW-11D	50.0 - 60.0	--	--	0	0	0	0	0	0	0
WCMW-12S	3.0 - 13.0	1	4	13	0	1	13	5	0	13
WCMW-12I	25.0 - 30.0	0	0	5	5	0	5	1	0	5
WCMW-12D	67.0 - 72.0	0	0	0	0	0	1	0	0	1
WCMW-13S	3.0 - 13.0	53	0	0	0	0	53	9	0	53
WCMW-13I	25.0 - 30.0	0	0	0	0	0	0	0	0	0
WCMW-13D	65.0 - 70.0	1	0	0	0	0	1	0	0	1
WCMW-14S	2.0 - 12.0	0	0	6	0	0	6	1	0	6
WCMW-14I	20.0 - 25.0	2	2	50	64	0	77	25	0	77
WCMW-14I2	30.0 - 35.0	10	1	11	0	0	70	15	0	70
WCMW-14D	67.0 - 72.0	0	0	2	0	0	2	0	0	2
WCMW-16S	2.0 - 12.0	0	24	22	0	0	57	19	0	57
WCMW-16I	20.0 - 25.0	0	0	18	0	0	18	3	0	18
WCMW-16I2	30.0 - 35.0	0	0	4	55	0	4	1	0	55

Table 5-4
 Summary of Historic Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 4 (OU-4)

Well ID	Screen Interval (feet)	Total PAH Groundwater Concentration (ug/L)								
		Sampling Date				Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2008	2009							
		Oct-Dec	Jan-Mar	Apr-Jun	July-Aug					
WCMW-17S	2.0 - 12.0	--	--	295	226	295	295	295	226	295
WCMW-17I	20.0 - 25.0	--	--	292	342	292	292	292	292	342
WCMW-17I2	30.0 - 35.0	--	--	0	16	0	0	0	0	16
WCMW-18WT	2.0 - 7.0	--	--	0	0	0	0	0	0	0
WCMW-18S	2.0 - 12.0	--	--	0	0	0	0	0	0	0
WCMW-18I	20.0 - 25.0	--	--	0	0	0	0	0	0	0
WCMW-18I2	30.0 - 35.0	--	--	0	0	0	0	0	0	0
WCMW-19S	2.0 - 12.0	--	--	--	0	NA	NA	NA	0	0
WCMW-19I	20.0 - 25.0	--	--	--	0	NA	NA	NA	0	0
WCMW-19I2	30.0 - 35.0	--	--	--	0	NA	NA	NA	0	0
WCMW-20S	2.0 - 12.0	--	--	--	0	NA	NA	NA	0	0
WCMW-20I	20.0 - 25.0	--	--	--	0	NA	NA	NA	0	0
WCMW-20I2	30.0 - 35.0	--	--	--	0	NA	NA	NA	0	0
WCMW-21S	2.0 - 12.0	--	--	--	0	NA	NA	NA	0	0
WCMW-21I	20.0 - 25.0	--	--	--	0	NA	NA	NA	0	0
WCMW-21I2	30.0 - 35.0	--	--	--	0	NA	NA	NA	0	0
WCMW-22S	2.0 - 12.0	--	--	--	61	NA	NA	NA	61	61
WCMW-22I	25.0 - 30.0	--	--	--	5	NA	NA	NA	5	5
WCMW-23S	2.0 - 12.0	--	--	--	34	NA	NA	NA	34	34
WCMW-23I	25.0 - 30.0	--	--	--	0	NA	NA	NA	0	0

Table 5-5
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 4 (OU-4)

Operable Unit:		OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4
Sample Name:	NYS	WCMW-01S	WCMW-01S	WCMW-01I	WCMW-01I	WCMW-01D	Duplicate of WCMW-01D	WCMW-01D	WCMW-02S	WCMW-02I	WCMW-02D	WCMW-03S	WCMW-03S	WCMW-03I	WCMW-03I
Screened Interval:	AWQS	2-12 ft	2-12 ft	35-45 ft	35-45 ft	64-74 ft	64-74 ft	64-74 ft	3-13 ft	34.5-44.5 ft	62-72 ft	4.83-9.83 ft	4.83-9.83 ft	19.4-24.4 ft	19.4-24.4 ft
Sample Date:		7/15/2009	8/18/2009	7/15/2009	8/18/2009	7/15/2009	7/15/2009	8/18/2009	7/17/2009	7/17/2009	7/17/2009	7/15/2009	8/19/2009	7/15/2009	8/19/2009
BTEX (ug/L)															
Benzene	1	3 J	3 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	8	7	10 U	10 U
Toluene	5	1 J	1 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	9	8	10 U	10 U
Xylene, m,p-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	4 J	3 J	10 U	10 U
Xylene, o-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	7 J	5	10 U	10 U
Total BTEX	NE	4	4	ND	ND	ND	ND	ND	ND	ND	ND	28	23	ND	ND
Other VOCs (ug/L)															
Acetaldehyde	8*	530 J	110	21 J	58	100 J	130 J	240 J	10 UJ	10 UJ	10 UJ	37 J	R	10 UJ	10 UJ
Acetone	50*	680 J	690	11	110 J	41	51	420 J	10 U	10 U	10 U	260	100 J	10 UJ	10 UJ
Bromodichloromethane	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	5	16	3 J	10 U	10	5 J	7	32	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Butanone, 2-	50*	45	25 J	10 U	4 J	2 J	2 J	15 J	10 UJ	10 UJ	10 UJ	22 J	10 J	10 UJ	10 UJ
Carbon disulfide	60*	11	17	10 U	4 J	10 U	3 J	10	10 U	10 U	10 U	10 U	40	10 U	10 U
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	5	2 J	3 J	10 UJ	10 U	10 UJ	10 U	7	10 U	10 U	10 U	2 J	10 U	10 U	10 U
Chloroform	7	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloromethane	5	67	60	2 J	27	19	24	360	10 U	10 U	10 U	10 U	40	10 U	10 U
Cyclohexane	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 UJ
Dibromochloromethane	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene, 1,2-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J	2 J
Dichlorobenzene, 1,4-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	5	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Dichloroethane, 1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethane, 1,2-	0.6	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene, 1,1-	0.07	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene, cis-1,2-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloropropane, 1,2-	1	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 UJ
Dioxane, 1,4-	NE	35 J	R	R	R	R	R	R	R	R	R	31 J	R	R	R
Ethanol	NE	860 J	R	R	R	R	R	R	R	R	R	R	R	R	R
Hexachlorobutadiene	0.5	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U
Hexane, n-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 UJ
Isopropyl benzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3 J	3 J	10 U	10 U
Methyl tert-butyl ether	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5	10 U	10 U	10 U	10 U	10 U	10 U	4 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	20	11 J	10 U	6 J	10 U	4 J	3 J	10 U	10 U	10 U	240	69 J	320	190 J
Propanol, 2-	NE	R	R	R	R	R	R	R	R	R	R	73 J	R	R	R
Propylbenzene, n-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

Table 5-5
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 4 (OU-4)

Operable Unit:		OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4
Sample Name:	NYS	WCMW-01S	WCMW-01S	WCMW-01I	WCMW-01I	WCMW-01D	Duplicate of WCMW-01D	WCMW-01D	WCMW-02S	WCMW-02I	WCMW-02D	WCMW-03S	WCMW-03S	WCMW-03I	WCMW-03I
Screened Interval:	AWQS	2-12 ft	2-12 ft	35-45 ft	35-45 ft	64-74 ft	64-74 ft	64-74 ft	3-13 ft	34.5-44.5 ft	62-72 ft	4.83-9.83 ft	4.83-9.83 ft	19.4-24.4 ft	19.4-24.4 ft
Sample Date:		7/15/2009	8/18/2009	7/15/2009	8/18/2009	7/15/2009	7/15/2009	8/18/2009	7/17/2009	7/17/2009	7/17/2009	7/15/2009	8/19/2009	7/15/2009	8/19/2009
Tetrachloroethene	5	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3 J	3 J
Tetrahydrofuran	50*	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ
Trichloroethane, 1,1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene 1,3,5-/P-ethyltoluene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	25	24	9	11
Trimethylbenzene, 1,2,4-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	30	26	22	24
Trimethylpentane, 2,2,4-	NE	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 UJ
Non-carcinogenic PAHs (ug/L)															
Acenaphthene	20*	7 J	7	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	140	170	34	38
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J	4 J	190	240
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10	8	14	12
Benzo[g,h,i]perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3 J	3 J	4 J	2 J
Fluorene	50*	2 J	3 J	10 U	8	10 U	10 U	10 U	10 U	10 U	10 U	41	39	72	79
Methylnaphthalene, 2-	NE	10 U	10 U	10 U	27	10 U	10 U	10 U	10 U	10 U	10 U	25	20	68	510
Naphthalene	10*	13	13	10 U	4 J	10 U	10 U	2 J	10 U	10 U	10 U	170	120	10 U	52
Phenanthrene	50*	2 J	3 J	10 U	7	10 U	10 U	10 U	10 U	10 U	10 U	54	52	57	58
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	4 J	3 J	6 J	3 J
Carcinogenic PAHs (ug/L)															
Benz[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz[a,h]anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAHs (ug/L)															
Total PAHs	NE	24	26	ND	46	ND	ND	2	ND	ND	ND	449	419	445	994
Other SVOCs (ug/L)															
Carbazole	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobenzene, 1,2-	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobenzene, 1,4-	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dimethylphenol, 2,4-	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other															
Sulfide (mg/L)	50*	2 UJ	2 UJ	2 UJ	2 U	2 U	NA	2 UJ	2 U	2 U	2 U	2 U	5.60	2 UJ	2 U

Table 5-5
Summary of Expanded Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 4 (OU-4)

Operable Unit:		OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	
Sample Name:	NYS	WCMW-03I2	WCMW-03I2	WCMW-04S	WCMW-04S	WCMW-04I	WCMW-04I	WCMW-04I2	WCMW-04I2	WCMW-05S	WCMW-05S	WCMW-05I	WCMW-05I	WCMW-05I2	WCMW-05I2	
Screened Interval:	AWQS	28.55-33.55 ft	28.55-33.55 ft	1.6-11.6 ft	1.6-11.6 ft	19-24 ft	19-24 ft	29.85-34.85 ft	29.85-34.85 ft	1.15-11.15 ft	1.15-11.15 ft	19.61-24.61 ft	19.61-24.61 ft	29.46-34.46 ft	29.46-34.46 ft	
Sample Date:		7/15/2009	8/19/2009	7/14/2009	8/18/2009	7/14/2009	8/18/2009	7/14/2009	8/18/2009	7/14/2009	8/19/2009	7/14/2009	8/19/2009	7/14/2009	8/19/2009	
BTEX (ug/L)																
Benzene	1	10 U	10 U	10 U	1 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	5	10 U	10 U	4 J	5	10 U	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene, m,p-	5	10 U	10 U	10 U	1 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene, o-	5	10 U	10 U	2 J	3 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total BTEX	NE	ND	ND	6	10	ND	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs (ug/L)																
Acetaldehyde	8*	10 UJ	R	5 J	10 U	10 UJ	10 U	10 UJ	10 U	13 J	R	10 UJ	R	10 UJ	R	10 UJ
Acetone	50*	10 U	10 UJ	7 J	7 J	10 U	79 J	10 U	12 J	10 U	10 UJ	10 U	11 UJ	10 U	47 UJ	10 U
Bromodichloromethane	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Butanone, 2-	50*	10 UJ	10 UJ	10 U	10 UJ	10 U	6 J	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 UJ
Carbon disulfide	60*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	5	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 UJ	10 U
Chloroform	7	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloromethane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cyclohexane	NE	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 UJ
Dibromochloromethane	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene, 1,2-	3	10 U	10 U	10 U	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene, 1,4-	3	10 U	10 U	10 U	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	5	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Dichloroethane, 1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethane, 1,2-	0.6	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene, 1,1-	0.07	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 UJ	10 U
Dichloroethene, cis-1,2-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloropropane, 1,2-	1	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 UJ
Dioxane, 1,4-	NE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Ethanol	NE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Hexachlorobutadiene	0.5	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexane, n-	NE	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 UJ
Isopropyl benzene	5	10 U	10 U	10 U	4 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl tert-butyl ether	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J	10 U	10 U	10 U	10 U
Methylene chloride	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 UJ	23	87 J	3 J	10 UJ	10 U	10 UJ	10 U	10 UJ	38	67 J	13	3 J	3 J
Propanol, 2-	NE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Propylbenzene, n-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

Table 5-5
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 4 (OU-4)

Operable Unit:		OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4
Sample Name:	NYS	WCMW-03I2	WCMW-03I2	WCMW-04S	WCMW-04S	WCMW-04I	WCMW-04I	WCMW-04I2	WCMW-04I2	WCMW-05S	WCMW-05S	WCMW-05I	WCMW-05I	WCMW-05I2	WCMW-05I2
Screened Interval:	AWQS	28.55-33.55 ft	28.55-33.55 ft	1.6-11.6 ft	1.6-11.6 ft	19-24 ft	19-24 ft	29.85-34.85 ft	29.85-34.85 ft	1.15-11.15 ft	1.15-11.15 ft	19.61-24.61 ft	19.61-24.61 ft	29.46-34.46 ft	29.46-34.46 ft
Sample Date:		7/15/2009	8/19/2009	7/14/2009	8/18/2009	7/14/2009	8/18/2009	7/14/2009	8/18/2009	7/14/2009	8/19/2009	7/14/2009	8/19/2009	7/14/2009	8/19/2009
Tetrachloroethene	5	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	2 J	10 UJ	10 U
Tetrahydrofuran	50*	10 U	10 UJ	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Trichloroethane, 1,1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene 1,3,5-/P-ethyltoluene	NE	10 U	10 U	5 J	30	10 U	6 J	10 U	10 U	10 U	10 U	10 U	3 J	10 U	10 U
Trimethylbenzene, 1,2,4-	5	10 U	10 U	7 J	32	10 U	9	10 U	10 U	10 U	10 U	3 J	6	10 U	10 U
Trimethylpentane, 2,2,4-	NE	10 U	10 UJ	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	6 J	10 UJ
Non-carcinogenic PAHs (ug/L)															
Acenaphthene	20*	10 U	10 U	19	76	14	27	10 U	10 U	7 J	6	13	16	4 J	10 U
Acenaphthylene	NE	10 U	10 U	3 J	20	25	12	10 U	10 U	10 U	10 U	57	77	25	1 J
Anthracene	50*	10 U	10 U	10 U	3 J	8 J	8	10 U	10 U	10 U	10 U	9 J	9	2 J	10 U
Benzo[g,h,i]perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	2 J	2 J	10 U	10 U	2 J	2 J	10 U	10 U	10 U	10 U	2 J	2 J	10 U	10 U
Fluorene	50*	10 U	10 U	4 J	21	6 J	8	10 U	10 U	10 U	10 U	29	34	13	1 J
Methylnaphthalene, 2-	NE	10 U	10 U	10 U	17	10 U	10 U	10 U	10 U	10 U	10 U	140	170	46	10 U
Naphthalene	10*	10 U	10 U	10	120	2 J	2 J	10 U	10 U	10 U	10 U	22	56	8 J	10 U
Phenanthrene	50*	10 U	10 U	3 J	15	42	39	10 U	10 U	10 U	10 U	41	44	13	3 J
Pyrene	50*	3 J	3 J	10 U	10 U	3 J	3 J	10 U	10 U	10 U	10 U	4 J	3 J	10 U	10 U
Carcinogenic PAHs (ug/L)															
Benzo[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz[a,h]anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAHs (ug/L)															
Total PAHs	NE	5	5	39	272	102	101	ND	ND	7	6	317	411	111	5
Other SVOCs (ug/L)															
Carbazole	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobenzene, 1,2-	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobenzene, 1,4-	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dimethylphenol, 2,4-	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other															
Sulfide (mg/L)	50*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U

Table 5-5
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 4 (OU-4)

Operable Unit:		OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	
Sample Name:	NYS	WCMW-06S	WCMW-06I	WCMW-06I2	WCMW-09S	Duplicate of WCMW-09S	WCMW-10S	WCMW-10D	WCMW-11S	WCMW-11S	Duplicate of WCMW-11S	WCMW-11I	WCMW-11I	WCMW-11D	WCMW-11D	
Screened Interval:	AWQS	2-12 ft	19.55-24.55 ft	29.83-34.83 ft	5-15 ft	5-15 ft	15-20 ft	40-50 ft	5-15 ft	5-15 ft	5-15 ft	25-35 ft	25-35 ft	50-60 ft	50-60 ft	
Sample Date:		7/22/2009	7/22/2009	7/22/2009	7/15/2009	7/15/2009	7/15/2009	7/15/2009	7/14/2009	8/21/2009	8/21/2009	7/14/2009	8/21/2009	7/14/2009	8/21/2009	
BTEX (ug/L)																
Benzene	1	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	16	24	23	10 U	10 U	10 U	10 U
Xylene, m,p-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J	2 J	2 J	10 U	10 U	10 U	10 U
Xylene, o-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	7 J	10	10	10 U	10 U	10 U	10 U
Total BTEX	NE	ND	ND	ND	ND	ND	ND	ND	ND	25	36	35	ND	ND	ND	ND
Other VOCs (ug/L)																
Acetaldehyde	8*	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	5 J	R	420 J	470
Acetone	50*	10 U	10 U	10 U	3 J	10 UJ	10 U	10 UJ	10 UJ	10 U	10 U	10 U	6 J	23 UJ	400 J	550
Bromodichloromethane	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	6	9 J	4 J
Butanone, 2-	50*	10 U	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 U	3 J	3 J	10 U	10 UJ	8 J	10 J
Carbon disulfide	60*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11	10 U	10 U	10 U
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	4 J	5 J	4 J	10 U	10 U	10 U	10 U
Chloroethane	5	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 U	6 J	2 J
Chloroform	7	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloromethane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 J	13	50	50
Cyclohexane	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene, 1,2-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J	2 J	2 J	10 U	10 U	10 U	10 U
Dichlorobenzene, 1,4-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J	2 J	2 J	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	5	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Dichloroethane, 1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J	2 J	2 J	10 U	10 U	10 U	10 U
Dichloroethane, 1,2-	0.6	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene, 1,1-	0.07	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 U
Dichloroethene, cis-1,2-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloropropane, 1,2-	1	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dioxane, 1,4-	NE	R	R	R	R	R	R	R	R	R	R	R	R	R	69 J	R
Ethanol	NE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Hexachlorobutadiene	0.5	10 U	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexane, n-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isopropyl benzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 J	7	7	10 U	10 U	10 U	10 U
Methyl tert-butyl ether	10*	10 U	10 U	10 U	10 U	10 U	1 J	1 J	48	7	7	10 U	2 J	1 J	1 J	1 J
Methylene chloride	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	150	180	210	10 U	4 J	10 U	10 UJ
Propanol, 2-	NE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	500 U
Propylbenzene, n-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3 J	3 J	3 J	10 U	10 U	10 U	10 U
Styrene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

Table 5-5
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 4 (OU-4)

Operable Unit:		OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	
Sample Name:	NYS	WCMW-06S	WCMW-06I	WCMW-06I2	WCMW-09S	Duplicate of WCMW-09S	WCMW-10S	WCMW-10D	WCMW-11S	WCMW-11S	Duplicate of WCMW-11S	WCMW-11I	WCMW-11I	WCMW-11D	WCMW-11D	
Screened Interval:	AWQS	2-12 ft	19.55-24.55 ft	29.83-34.83 ft	5-15 ft	5-15 ft	15-20 ft	40-50 ft	5-15 ft	5-15 ft	5-15 ft	25-35 ft	25-35 ft	50-60 ft	50-60 ft	
Sample Date:		7/22/2009	7/22/2009	7/22/2009	7/15/2009	7/15/2009	7/15/2009	7/15/2009	7/14/2009	8/21/2009	8/21/2009	7/14/2009	8/21/2009	7/14/2009	8/21/2009	
Tetrachloroethene	5	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	
Tetrahydrofuran	50*	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	3 J	10 U	10 UJ	10 UJ	10 UJ	10 UJ	
Trichloroethane, 1,1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Trichloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Trimethylbenzene 1,3,5-/P-ethyltoluene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	21	22	27	10 U	10 U	10 U	10 U	
Trimethylbenzene, 1,2,4-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	32	33	42	10 U	10 U	10 U	10 U	
Trimethylpentane, 2,2,4-	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	
Non-carcinogenic PAHs (ug/L)																
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	200	210	200	10 U	3 J	10 U	10 U	
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10	17	15	10 U	10 U	10 U	10 U	
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	12	16	15	10 U	10 U	10 U	10 U	
Benzo[g,h,i]perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3 J	4 J	4 J	10 U	10 U	10 U	10 U	
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	62	66	67	10 U	10 U	10 U	10 U	
Methylnaphthalene, 2-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J	19	19	10 U	10 U	10 U	10 U	
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	12	200	190	10 U	7	10 U	10 U	
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	64	100	100	10 U	10 U	10 U	10 U	
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	4 J	5 J	5 J	10 U	10 U	10 U	10 U	
Carcinogenic PAHs (ug/L)																
Benz[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo[a]pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Dibenz[a,h]anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Total PAHs (ug/L)																
Total PAHs	NE	ND	ND	ND	ND	ND	ND	ND	369	637	615	ND	10	ND	ND	
Other SVOCs (ug/L)																
Carbazole	NE	NA	NA	NA	NA	NA	NA	NA	NA	2 J	2 J	NA	10 U	NA	10 U	
Dibenzofuran	NE	NA	NA	NA	NA	NA	NA	NA	NA	10	11	NA	10 U	NA	10 U	
Dichlorobenzene, 1,2-	3	NA	NA	NA	NA	NA	NA	NA	NA	10 U	10 U	NA	10 U	NA	10 U	
Dichlorobenzene, 1,4-	3	NA	NA	NA	NA	NA	NA	NA	NA	10 U	10 U	NA	10 U	NA	10 U	
Diethyl phthalate	50*	NA	NA	NA	NA	NA	NA	NA	NA	10 U	10 U	NA	10 U	NA	14	
Dimethylphenol, 2,4-	50*	NA	NA	NA	NA	NA	NA	NA	NA	10 U	10 U	NA	10 U	NA	10 U	
Other																
Sulfide (mg/L)	50*	2 U	2 U	2 U	2 U	NA	2 U	2 U	2 U	2 UJ	NA	2 U	2 UJ	2 UJ	2 UJ	

Table 5-5
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 4 (OU-4)

Operable Unit:		OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	
Sample Name:	NYS	WCMW-12S	WCMW-12I	WCMW-12D	WCMW-13S	WCMW-13I	WCMW-13D	WCMW-14S	WCMW-14I	WCMW-14I2	WCMW-14D	WCMW-16S	WCMW-16S	WCMW-16I	WCMW-16I	
Screened Interval:	AWQS	3-13 ft	25-30 ft	67-72 ft	3-13 ft	25-30 ft	65-70 ft	2-12 ft	20-25 ft	30-35 ft	67-72 ft	2-12 ft	2-12 ft	20-25 ft	20-25 ft	
Sample Date:		7/16/2009	7/16/2009	7/16/2009	7/16/2009	7/16/2009	7/16/2009	7/22/2009	7/22/2009	7/22/2009	7/22/2009	7/15/2009	8/19/2009	7/15/2009	8/19/2009	
BTEX (ug/L)																
Benzene	1	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ
Toluene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J	10 U	3 J	10 UJ
Ethylbenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ
Xylene, m,p-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ
Xylene, o-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ
Total BTEX	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	ND	3	ND	
Other VOCs (ug/L)																
Acetaldehyde	8*	10 UJ	10 UJ	10 UJ	10 UJ	10 Uj	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	300 J	120 J	120 J	10 UJ
Acetone	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	190	120 J	120	20 J
Bromodichloromethane	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ
Bromomethane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	7 J	2 J	3 J	10 UJ
Butanone, 2-	50*	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	6 J	7 J	4 J	10 UJ
Carbon disulfide	60*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 J	10	10 U	10 UJ
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ
Chloroethane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 UJ	3 J	10 UJ	10 UJ	10 UJ
Chloroform	7	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 J	10 U	10 U	10 UJ
Chloromethane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	16	32	12	31 J
Cyclohexane	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 UJ
Dibromochloromethane	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ
Dichlorobenzene, 1,2-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ
Dichlorobenzene, 1,4-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ
Dichlorodifluoromethane	5	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Dichloroethane, 1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ
Dichloroethane, 1,2-	0.6	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ
Dichloroethene, 1,1-	0.07	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 UJ	10 UJ
Dichloroethene, cis-1,2-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ
Dichloropropane, 1,2-	1	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 UJ
Dioxane, 1,4-	NE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Ethanol	NE	R	R	R	R	R	R	R	R	R	R	R	450 J	R	R	R
Hexachlorobutadiene	0.5	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ
Hexane, n-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 UJ
Isopropyl benzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ
Methyl tert-butyl ether	10*	10 U	120	10 U	1 J	10 U	10 U	10 U	9	45	10 U	4 J	1 J	1 J	10 U	10 UJ
Methylene chloride	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	73	2 J	10 U	10 U	10 UJ	10 U	10 U	10 UJ
Propanol, 2-	NE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Propylbenzene, n-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ
Styrene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ

Table 5-5
Summary of Expanded Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 4 (OU-4)

Operable Unit:		OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	
Sample Name:	NYS	WCMW-12S	WCMW-12I	WCMW-12D	WCMW-13S	WCMW-13I	WCMW-13D	WCMW-14S	WCMW-14I	WCMW-14I2	WCMW-14D	WCMW-16S	WCMW-16S	WCMW-16I	WCMW-16I	
Screened Interval:	AWQS	3-13 ft	25-30 ft	67-72 ft	3-13 ft	25-30 ft	65-70 ft	2-12 ft	20-25 ft	30-35 ft	67-72 ft	2-12 ft	2-12 ft	20-25 ft	20-25 ft	
Sample Date:		7/16/2009	7/16/2009	7/16/2009	7/16/2009	7/16/2009	7/16/2009	7/22/2009	7/22/2009	7/22/2009	7/22/2009	7/15/2009	8/19/2009	7/15/2009	8/19/2009	
Tetrachloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 UJ	
Tetrahydrofuran	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 UJ	4 J	10 UJ	10 UJ	10 UJ	
Trichloroethane, 1,1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	
Trichloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	
Trimethylbenzene 1,3,5-/P-ethyltoluene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	
Trimethylbenzene, 1,2,4-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5	10 U	10 U	10 U	10 U	2 J	10 UJ	
Trimethylpentane, 2,2,4-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	7 J	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	
Non-carcinogenic PAHs (ug/L)																
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	9	10 U	10 U	10 U	10 U	10 U	10 U	
Acenaphthylene	NE	10 U	3 J	10 U	10 U	10 U	10 U	10 U	8	10 U	10 U	10 U	10 U	10 U	10 U	
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	7	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo[g,h,i]perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J	10 U	10 U	10 U	10 U	10 U	10 U	
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	21	10 U	10 U	3 J	10 U	10 U	10 U	
Methylnaphthalene, 2-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	14	10 U	10 U	4 J	10 U	7 J	10 U	
Pyrene	50*	10 U	2 J	10 U	10 U	10 U	10 U	10 U	3 J	10 U	10 U	10 U	10 U	10 U	10 U	
Carcinogenic PAHs (ug/L)																
Benz[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo[a]pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J	10 U	10 U	10 U	
Dibenz[a,h]anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	
Total PAHs (ug/L)																
Total PAHs	NE	ND	5	ND	ND	ND	ND	ND	64	ND	ND	9	ND	7	ND	
Other SVOCs (ug/L)																
Carbazole	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Dibenzofuran	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Dichlorobenzene, 1,2-	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Dichlorobenzene, 1,4-	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Diethyl phthalate	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Dimethylphenol, 2,4-	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Other																
Sulfide (mg/L)	50*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	

Table 5-5
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 4 (OU-4)

Operable Unit:		OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4
Sample Name:	NYS	WCMW-16I2	WCMW-16I2	WCMW-17S	WCMW-17S	WCMW-17I	WCMW-17I	WCMW-17I2	WCMW-17I2	Duplicate of WCMW-17I2	WCMW-18WT	WCMW-18WT	WCMW-18S	WCMW-18S	WCMW-18I
Screened Interval:	AWQS	30-35 ft	30-35 ft	2-12 ft	2-12 ft	20-25 ft	20-25 ft	30-35 ft	30-35 ft	30-35 ft	2-7 ft	2-7 ft	2-12 ft	2-12 ft	20-25 ft
Sample Date:		7/15/2009	8/19/2009	7/21/2009	8/20/2009	7/21/2009	8/20/2009	7/21/2009	8/20/2009	8/20/2009	7/21/2009	8/20/2009	7/21/2009	8/20/2009	7/21/2009
BTEX (ug/L)															
Benzene	1	10 U	10 U	10 U	1 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	5	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	5	10 U	10 U	2 J	3 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene, m,p-	5	10 U	10 U	10 U	10 U	10 U	10 U	1 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene, o-	5	10 U	10 U	1 J	2 J	10 U	1 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total BTEX	NE	2	ND	3	6	ND	2	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs (ug/L)															
Acetaldehyde	8*	270 J	R	13 J	160 J	530 J	930 J	220 J	200 J	250 J	10 UJ	R	10 UJ	R	10 UJ
Acetone	50*	270 J	33 UJ	110 J	460 J	130 J	730	130	210 J	240	10 U	10 UJ	10 U	10 UJ	10 U
Bromodichloromethane	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	5	9 J	10 U	10 UJ	8	12 J	40	17 J	16	20 J	10 U	10 U	10 U	10 U	10 U
Butanone, 2-	50*	6 J	10 UJ	8 J	49 J	6 J	32 J	7 J	11 J	10	10 U	10 UJ	10 U	10 UJ	10 U
Carbon disulfide	60*	10 U	10 U	10 U	15	49	53	10 J	13	15	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	5	2 J	10 U	2 J	2 J	3 J	5	3 J	5 J	5	10 U	10 U	10 U	10 U	10 U
Chloroform	7	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloromethane	5	37	10 U	2 J	36	50	250	58	120	130	10 U	10 U	10 U	10 U	10 U
Cyclohexane	NE	10 U	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U
Dibromochloromethane	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene, 1,2-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene, 1,4-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	5	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Dichloroethane, 1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethane, 1,2-	0.6	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene, 1,1-	0.07	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene, cis-1,2-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloropropane, 1,2-	1	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U
Dioxane, 1,4-	NE	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Ethanol	NE	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Hexachlorobutadiene	0.5	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexane, n-	NE	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U
Isopropyl benzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl tert-butyl ether	10*	2 J	10 U	1 J	1 J	10 U	10 U	3 J	10 U	10 U	2 J	2 J	10 U	2 J	10 U
Methylene chloride	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 UJ	65	60 J	86	370 J	15	34 J	22 J	10 U	10 UJ	10 U	10 UJ	10 U
Propanol, 2-	NE	R	R	33 J	R	R	R	R	R	R	R	R	R	500 U	R
Propylbenzene, n-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

Table 5-5
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 4 (OU-4)

Operable Unit:		OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	
Sample Name:	NYS	WCMW-16I2	WCMW-16I2	WCMW-17S	WCMW-17S	WCMW-17I	WCMW-17I	WCMW-17I2	WCMW-17I2	Duplicate of WCMW-17I2	WCMW-18WT	WCMW-18WT	WCMW-18S	WCMW-18S	WCMW-18I	
Screened Interval:	AWQS	30-35 ft	30-35 ft	2-12 ft	2-12 ft	20-25 ft	20-25 ft	30-35 ft	30-35 ft	30-35 ft	2-7 ft	2-7 ft	2-12 ft	2-12 ft	20-25 ft	
Sample Date:		7/15/2009	8/19/2009	7/21/2009	8/20/2009	7/21/2009	8/20/2009	7/21/2009	8/20/2009	8/20/2009	7/21/2009	8/20/2009	7/21/2009	8/20/2009	7/21/2009	
Tetrachloroethene	5	10 UJ	10 U	10 U	1 J	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Tetrahydrofuran	50*	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	
Trichloroethane, 1,1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Trichloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Trimethylbenzene 1,3,5-/P-ethyltoluene	NE	10 U	10 U	7	7 J	4 J	9 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Trimethylbenzene, 1,2,4-	5	10 U	10 U	11	9	4 J	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Trimethylpentane, 2,2,4-	NE	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	
Non-carcinogenic PAHs (ug/L)																
Acenaphthene	20*	10 U	7	64	98	42	40	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Acenaphthylene	NE	10 U	10 U	6	6	9	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Anthracene	50*	10 U	10 U	7	5	9	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo[g,h,i]perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Fluoranthene	50*	10 U	4 J	4 J	3 J	5	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Fluorene	50*	10 U	4 J	20	31	25	22	8	9	9	10 U	10 U	10 U	10 U	10 U	
Methylnaphthalene, 2-	NE	10 U	10 U	4 J	6	9	28	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Naphthalene	10*	10 U	2 J	31	38	54	220	2 J	5	4 J	10 U	10 U	10 U	10 U	10 U	
Phenanthrene	50*	5 J	25	35	36	47	26	3 J	2 J	1 J	10 U	10 U	10 U	10 U	10 U	
Pyrene	50*	10 U	6 J	5	3 J	6	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Carcinogenic PAHs (ug/L)																
Benzo[a]anthracene	0.002*	10 U	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo[a]pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo[k]fluoranthene	0.002*	10 U	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Chrysene	0.002*	10 U	3 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Dibenz[a,h]anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Total PAHs (ug/L)																
Total PAHs	NE	5	55	176	226	206	342	13	16	14	ND	ND	ND	ND	ND	
Other SVOCs (ug/L)																
Carbazole	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Dibenzofuran	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Dichlorobenzene, 1,2-	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Dichlorobenzene, 1,4-	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Diethyl phthalate	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Dimethylphenol, 2,4-	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Other																
Sulfide (mg/L)	50*	2 UJ	2 U	2 U	2 UJ	2 U	2 UJ	2 U	2 UJ	NA	2 U	2 UJ	2 U	2 UJ	2 U	

Table 5-5
Summary of Expanded Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 4 (OU-4)

Operable Unit:		OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	
Sample Name:	NYS	WCMW-181	WCMW-1812	WCMW-1812	WCMW-19S	WCMW-19S	WCMW-19I	WCMW-19I	WCMW-19I2	WCMW-19I2	WCMW-20S	WCMW-20S	WCMW-20I	WCMW-20I	WCMW-20I2	
Screened Interval:	AWQS	20-25 ft	30-35 ft	30-35 ft	2-12 ft	2-12 ft	20-25 ft	20-25 ft	30-35 ft	30-35 ft	2-12 ft	2-12 ft	20-25 ft	20-25 ft	30-35 ft	
Sample Date:		8/20/2009	7/21/2009	8/20/2009	7/23/2009	8/24/2009	7/23/2009	8/24/2009	7/23/2009	8/24/2009	7/22/2009	8/21/2009	7/22/2009	8/21/2009	7/22/2009	
BTEX (ug/L)																
Benzene	1	10 U	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene, m,p-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene, o-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total BTEX	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs (ug/L)																
Acetaldehyde	8*	R	10 UJ	R	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Acetone	50*	10 UJ	10 U	21 J	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U
Bromodichloromethane	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 U
Butanone, 2-	50*	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon disulfide	60*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U
Chloroform	7	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloromethane	5	10 U	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Cyclohexane	NE	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene, 1,2-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene, 1,4-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	5	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Dichloroethane, 1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J	10 U	10 U	10 U	10 U
Dichloroethane, 1,2-	0.6	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene, 1,1-	0.07	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene, cis-1,2-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloropropane, 1,2-	1	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U
Dioxane, 1,4-	NE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Ethanol	NE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Hexachlorobutadiene	0.5	10 U	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Hexane, n-	NE	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isopropyl benzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl tert-butyl ether	10*	10 U	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 UJ	10 U	10 UJ	2 J	10 U	7	10 U	3 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Propanol, 2-	NE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Propylbenzene, n-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

Table 5-5
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 4 (OU-4)

Operable Unit:		OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	
Sample Name:	NYS	WCMW-181	WCMW-1812	WCMW-1812	WCMW-19S	WCMW-19S	WCMW-19I	WCMW-19I	WCMW-19I2	WCMW-19I2	WCMW-20S	WCMW-20S	WCMW-20I	WCMW-20I	WCMW-20I2	
Screened Interval:	AWQS	20-25 ft	30-35 ft	30-35 ft	2-12 ft	2-12 ft	20-25 ft	20-25 ft	30-35 ft	30-35 ft	2-12 ft	2-12 ft	20-25 ft	20-25 ft	30-35 ft	
Sample Date:		8/20/2009	7/21/2009	8/20/2009	7/23/2009	8/24/2009	7/23/2009	8/24/2009	7/23/2009	8/24/2009	7/22/2009	8/21/2009	7/22/2009	8/21/2009	7/22/2009	
Tetrachloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Tetrahydrofuran	50*	10 UJ	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	
Trichloroethane, 1,1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J	10 U	10 U	
Trichloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Trimethylbenzene 1,3,5-/P-ethyltoluene	NE	10 U	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	
Trimethylbenzene, 1,2,4-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Trimethylpentane, 2,2,4-	NE	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	
Non-carcinogenic PAHs (ug/L)																
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo[g,h,i]perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Methylnaphthalene, 2-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Carcinogenic PAHs (ug/L)																
Benz[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo[a]pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Dibenz[a,h]anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Total PAHs (ug/L)																
Total PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Other SVOCs (ug/L)																
Carbazole	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Dibenzofuran	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Dichlorobenzene, 1,2-	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Dichlorobenzene, 1,4-	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Diethyl phthalate	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Dimethylphenol, 2,4-	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Other																
Sulfide (mg/L)	50*	2 UJ	2 U	2 UJ	2 U	NA	2 U	NA	2 U	NA	2 U	NA	2 U	NA	2 U	

Table 5-5
Summary of Expanded Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 4 (OU-4)

Operable Unit:		OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4
Sample Name:	NYS	WCMW-20I2	WCMW-21S	Duplicate of WCMW-21S	WCMW-21S	WCMW-21I	WCMW-21I	WCMW-21I2	WCMW-21I2	WCMW-22S	WCMW-22I	WCMW-23S	WCMW-23I
Screened Interval:	AWQS	30-35 ft	2-12 ft	2-12 ft	2-12 ft	20-25 ft	20-25 ft	30-35 ft	30-35 ft	2-12 ft	25-30 ft	2-12 ft	25-30 ft
Sample Date:		8/21/2009	7/23/2009	7/23/2009	8/24/2009	7/23/2009	8/24/2009	7/23/2009	8/24/2009	8/21/2009	8/21/2009	8/21/2009	8/21/2009
BTEX (ug/L)													
Benzene	1	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U
Toluene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene, m,p-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene, o-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total BTEX	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs (ug/L)													
Acetaldehyde	8*	10 UJ	10 UJ	R	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ
Acetone	50*	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U
Bromodichloromethane	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	5	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ
Butanone, 2-	50*	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	5 J	10 U	10 U
Carbon disulfide	60*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 J	10 U	10 U
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	5	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	7	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloromethane	5	10 U	10 U	10 UJ	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U
Cyclohexane	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	7	10 U
Dibromochloromethane	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene, 1,2-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene, 1,4-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	5	10 UJ	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ
Dichloroethane, 1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethane, 1,2-	0.6	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene, 1,1-	0.07	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene, cis-1,2-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloropropane, 1,2-	1	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U
Dioxane, 1,4-	NE	R	R	R	R	R	R	R	R	R	R	R	R
Ethanol	NE	R	R	R	R	R	R	R	R	R	R	R	R
Hexachlorobutadiene	0.5	10 U	10 U	10 UJ	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U
Hexane, n-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isopropyl benzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl tert-butyl ether	10*	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U
Methylene chloride	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	2 J	10	10 U
Propanol, 2-	NE	R	R	R	R	R	R	R	R	R	R	R	R
Propylbenzene, n-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

Table 5-5
Summary of Expanded Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 4 (OU-4)

Operable Unit:		OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4
Sample Name:	NYS	WCMW-20I2	WCMW-21S	Duplicate of WCMW-21S	WCMW-21S	WCMW-21I	WCMW-21I	WCMW-21I2	WCMW-21I2	WCMW-22S	WCMW-22I	WCMW-23S	WCMW-23I
Screened Interval:	AWQS	30-35 ft	2-12 ft	2-12 ft	2-12 ft	20-25 ft	20-25 ft	30-35 ft	30-35 ft	2-12 ft	25-30 ft	2-12 ft	25-30 ft
Sample Date:		8/21/2009	7/23/2009	7/23/2009	8/24/2009	7/23/2009	8/24/2009	7/23/2009	8/24/2009	8/21/2009	8/21/2009	8/21/2009	8/21/2009
Tetrachloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrahydrofuran	50*	10 U	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethane, 1,1,1-	5	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene 1,3,5-/P-ethyltoluene	NE	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U
Trimethylbenzene, 1,2,4-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylpentane, 2,2,4-	NE	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Non-carcinogenic PAHs (ug/L)													
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	19	3 J	8	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 J	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	8	10 U	2 J	10 U
Benzo[g,h,i]perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3 J	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5	2 J	7	10 U
Methylnaphthalene, 2-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	9	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	21	10 U	6	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	4 J	10 U	10 U	10 U
Carcinogenic PAHs (ug/L)													
Benz[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz[a,h]anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAHs (ug/L)													
Total PAHs	NE ND	ND	ND	ND	ND	ND	ND	ND	ND	61	5	34	ND
Other SVOCs (ug/L)													
Carbazole	NE NA	NA	NA	NA	NA	NA	NA	NA	NA	10 U	10 U	10 U	10 U
Dibenzofuran	NE NA	NA	NA	NA	NA	NA	NA	NA	NA	3 J	10 U	2 J	10 U
Dichlorobenzene, 1,2-	3 NA	NA	NA	NA	NA	NA	NA	NA	NA	10 U	10 U	10 U	10 U
Dichlorobenzene, 1,4-	3 NA	NA	NA	NA	NA	NA	NA	NA	NA	10 U	10 U	10 U	10 U
Diethyl phthalate	50* NA	NA	NA	NA	NA	NA	NA	NA	NA	10 U	10 U	10 U	10 U
Dimethylphenol, 2,4-	50* NA	NA	NA	NA	NA	NA	NA	NA	NA	10 U	2 J	10 U	10 U
Other													
Sulfide (mg/L)	50* NA	2 U	NA	NA	2 U	NA	2 U	NA	2 U	2 UJ	2 UJ	2 UJ	2 UJ

Table 5-6
 Summary of Total BTEX Statistical Trends
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 4 (OU-4)

Well ID	Number of Data Points	Number of Non-Detects	Median Value	Mann - Kendall Statistic (S)	Probability	Trend (At 90% Significant Level)
WCMW-01D	16	15	0.1	-3	0.7449	No Trend
WCMW-01I	19	18	0.1	0	1.0000	No Trend
WCMW-01S	28	16	0.1	137	0.0026	Increasing
WCMW-02S	22	19	0.1	21	0.3396	No Trend
WCMW-03I2	21	20	0.1	-2	0.8688	No Trend
WCMW-03S	25	6	21	110	0.0095	Increasing
WCMW-04I	21	20	0.1	20	0.0986	Increasing
WCMW-04S	28	6	12	47	0.3496	No Trend
WCMW-05S	23	22	0.1	14	0.2913	No Trend
WCMW-10D	14	13	0.1	-5	0.5351	No Trend
WCMW-11S	7	0	53	-16	0.0151	Decreasing
WCMW-13S	8	7	0.1	-3	0.5127	No Trend
WCMW-16I	9	8	0.1	11	0.1111	No Trend
WCMW-16I2	9	7	0.1	10	0.1432	No Trend
WCMW-16S	9	7	0.1	10	0.1432	No Trend

Shading = Indicates that the normal approximation used to compute the achieved significance level may be poor.

Notes:

1. A high positive value of the Mann-Kendall Statistic (S) indicates an increasing statistical trend, and a low negative value of S indicates a decreasing statistical trend.
2. A conservative confidence interval of 90% was used to assess statistical trends with an associated error probability of less than 0.10.

Table 5-7
 Summary of Total PAH Statistical Trends
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 4 (OU-4)

Well ID	Number of Data Points	Number of Non-Detects	Median Value	Mann - Kendall Statistic (S)	Probability	Trend (At 90% Significant Level)
WCMW-01D	16	15	0.1	15	0.1037	No Trend
WCMW-01I	19	17	0.1	25	0.0975	Increasing
WCMW-01S	28	5	25	42	0.4050	No Trend
WCMW-02D	14	13	0.1	3	0.7098	No Trend
WCMW-02S	22	11	0.1	19	0.5866	No Trend
WCMW-03I	20	0	24	-109	0.0009	Decreasing
WCMW-03I2	21	4	1055.5	-68	0.0274	Decreasing
WCMW-03S	25	0	243	-37	0.3874	No Trend
WCMW-04I	21	1	96	-17	0.6075	No Trend
WCMW-04I2	18	17	0.1	-11	0.2891	No Trend
WCMW-04S	28	1	147	-8	0.8744	No Trend
WCMW-05I	21	0	242	-22	0.5065	No Trend
WCMW-05I2	19	11	0.1	54	0.0344	Increasing
WCMW-05S	23	8	3	62	0.0927	Increasing
WCMW-06I	16	15	0.1	-3	0.7449	No Trend
WCMW-06I2	14	13	0.1	-3	0.7098	No Trend
WCMW-06S	18	16	0.1	5	0.7261	No Trend
WCMW-07S	4	3	0.1	1	0.6547	No Trend
WCMW-10S	15	13	0.1	-10	0.2472	No Trend
WCMW-11I	7	6	0.1	6	0.1336	No Trend
WCMW-11S	7	0	624	-5	0.4527	No Trend
WCMW-12D	8	7	0.1	-3	0.5127	No Trend
WCMW-12I	8	7	0.1	12	0.0455	Increasing
WCMW-12S	8	1	4	-1	0.8987	No Trend
WCMW-13D	7	6	0.1	0	1.0000	No Trend
WCMW-13S	8	6	0.1	-3	0.6219	No Trend
WCMW-14D	8	7	0.1	5	0.2752	No Trend
WCMW-14I	8	1	9	5	0.5243	No Trend
WCMW-14I2	8	4	0.55	0	1.0000	No Trend
WCMW-14S	8	6	0.1	9	0.1390	Increasing
WCMW-16I	9	7	0.1	9	0.1924	No Trend
WCMW-16I2	9	6	0.1	21	0.0085	Increasing
WCMW-16S	9	2	9	-12	0.2059	No Trend

Shading = Indicates that the normal approximation used to compute the achieved significance level may be poor.

Notes:

1. A high positive value of the Mann-Kendall Statistic (S) indicates an increasing statistical trend, and a low negative value of S indicates a decreasing statistical trend.
2. A conservative confidence interval of 90% was used to assess statistical trends with an associated error probability of less than 0.10.

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name:	OU1SG06	OU1SG06	OU1SG06	OU1SG06	OU1SG06	OU1SG06	OU1SG-6	OU1SG-06	OU1SG07	OU1SG07	OU1SG07	OU1SG07	OU1SG07	OU1SG07	OU1SG-7	OU1SG-07	Duplicate of
Sample Date:	2/6/2008	4/3/2008	6/18/2008	9/19/2008	12/23/2008	3/16/2009	6/16/2009	9/21/2009	2/6/2008	4/3/2008	6/18/2008	9/19/2008	12/23/2008	3/16/2009	6/16/2009	9/21/2009	OU1SG-07 9/21/2009
BTEX (ug/m3)																	
Benzene	2.8	0.64 U	0.64 U	0.29 J	0.64 U	0.64 U	0.64 U	1.3 U	15	0.64 U	0.64 UJ	0.41 J	0.21 J	0.64 U	0.64 U	1.3 U	1.3 U
Toluene	37	0.51 J	0.56 J	1.9	0.69 J	0.43 J	0.89	0.68 J	84	3.2	6.6	16	1.1	0.67 J	2.0	0.75 J	0.83 J
Ethylbenzene	11	0.87 U	0.22 J	0.26 J	0.23 J	0.87 U	0.87 U	1.7 U	5.6	0.36 J	0.87 U	1.0	0.31 J	0.30 J	0.28 J	1.7 U	1.7 U
Xylene, m,p-	140	0.82 J	0.87 J	0.74 J	0.64 J	0.52 J	0.46 J	3.5 U	17	1.1 J	0.56 J	2.5	0.98 J	0.75 J	0.58 J	3.5 U	3.5 U
Xylene, o-	200	0.59 J	0.56 J	0.22 J	0.26 J	0.87 U	0.26 J	1.7 U	4.7	0.49 J	0.87 U	0.95	0.27 J	0.87 U	0.23 J	1.7 U	1.7 U
Other VOCs (ug/m3)																	
Acetaldehyde	13	4.5 U	14	24	2.4 J	3.2 U	9.0	5.4 J	3.1 J	7.2 J	6.4	28 J	5.2	3.7 U	5.2 U	9.0 J	5.9 J
Acetone	1.2 U	2.7 U	4.4 U	5.7	1.7 U	2.7 U	4.2 U	5.4 UJ	5.2 J	4.7 U	3.2	0.47 UJ	2.8 U	4.2 U	3.7 U	6.5 UJ	6.2 UJ
Acrolein (propenal)	0.46 U	0.57 J	1.2	1.0	0.46 U	0.46 U	0.49 J	2.3 U	0.34 J	1.2 U	0.46 U	2.5	0.46 U	0.46 U	0.35 J	2.3 U	2.3 U
Allyl chloride	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	1.2 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	1.2 U	1.2 U
Benzothiophene	1.1 U	1.1 UJ	1.1 UJ	1.1 U	1.1 UJ	1.1 U	1.1 U	2.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 UJ	1.1 U	1.1 U	2.2 U	2.2 U
Bromodichloromethane	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	2.7 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	2.7 U	2.7 U
Bromoform	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.1 U	4.1 U
Bromomethane	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	1.6 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	1.6 U	1.6 U
Butadiene, 1,3-	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.88 U	1.7 J	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.88 U	0.88 U
Butane	1.3	0.48 U	0.19 J	0.64	0.18 J	0.48 U	0.48 U	0.95 U	11	6.7	0.33 J	6.4	0.48 U	0.48 U	0.38 J	0.62 J	6.0 J
Butanone, 2-	9.6	0.52 J	1.0	2.2	0.59 U	0.49 J	1.0	1.2 U	1.9	0.56 J	0.74	3.1	0.59 U	0.59 U	0.51 J	1.2 U	1.2 U
Carbon disulfide	0.62 U	0.53 J	2.4 U	5.4	0.17 J	0.62 U	1.5	1.2 U	4.2	0.62	0.75 U	1.5	0.62 U	0.62 U	3.2	0.56 J	2.4 J
Carbon tetrachloride	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	2.5 U	1.3	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	2.5 U	2.5 U
Chlorobenzene	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	1.8 U
Chloroethane	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	1.0 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	1.0 U	1.0 U
Chloroform	0.98 U	0.98 U	0.49 J	0.34 J	0.98 U	0.98 U	0.31 J	1.1 J	1.5	2.2	4.8	2.5	0.43 J	1.4	2.6	1.1 J	3.1 J
Chloromethane	0.41 U	0.41 U	0.23 J	0.41 U	0.12 J	0.41 U	0.20 J	0.83 U	0.41 U	0.11 J	0.12 J	0.43	0.13 J	0.14 J	0.41 U	0.83 U	0.83 U
Chlorotoluene, 2-	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	2.1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	2.1 U	2.1 U
Cryofluorane	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	2.8 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	2.8 U	2.8 U
Cyclohexane	18	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	1.4 U	2.3	0.69 U	0.69 U	1.5	0.69 U	0.69 U	0.69 U	1.4 U	1.4 U
Decane, n-	7.6	2.0	21	5.6	1.5	3.2	4.5	2.3 U	11	3.9	8.8	15	1.7	4.1	1.6	2.3 U	2.3 U
Dibromochloromethane	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	3.4 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	3.4 U	3.4 U
Dibromoethane, 1,2-	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.1 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.1 U	3.1 U
Dichlorobenzene, 1,2-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	2.4 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	2.4 U	2.4 U
Dichlorobenzene, 1,3-	7.0	0.50 J	2.8	1.2 U	1.2 U	1.2 U	0.68 J	2.4 U	7.7	1.5	1.2	1.2 U	1.2 U	1.2 U	0.54 J	2.4 U	2.4 U
Dichlorobenzene, 1,4-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.31 J	2.4 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.38 J	2.4 U	2.4 U
Dichlorodifluoromethane	2.3	2.0	2.9	2.8	2.6	2.6	2.9	3.0	1.0	2.9	2.5	2.8	2.4	2.6	1.3	4.7	2.8
Dichloroethane, 1,1-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	1.6 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	1.6 U	1.6 U
Dichloroethane, 1,2-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	1.6 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	1.6 U	1.6 U
Dichloroethene, 1,1-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	1.6 U
Dichloroethene, cis-1,2-	0.79 U	0.79 U	0.52 J	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	1.6 U
Dichloropropane, 1,2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	1.8 U
Dichloropropene, cis-1,3	0.91 U	0.91 UJ	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	1.8 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	1.8 U	1.8 U
Dichloropropene, trans-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	1.8 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	1.8 U	1.8 U
Dioxane, 1,4-	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 UJ	1.4 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 UJ	1.4 U	1.4 U
Dodecane, n-	4.9	1.7	19 J	7.7	1 J	3.8 J	4.6	1.7 J	2.2	3.3	12 J	23	1.4 UJ	2.0 J	3.5	2.8 U	1.2 J
Ethanol	1.9 U	4.2 J	7.8	3.8	3.8	1.6 J	16	3.8 U	38	12	3.2	10	6.3	1.4 J	3.8	3.8 U	3.8 U
Ethylthiophene, 2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	1.8 U	1.8 U

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU1SG06 2/6/2008	OU1SG06 4/3/2008	OU1SG06 6/18/2008	OU1SG06 9/19/2008	OU1SG06 12/23/2008	OU1SG06 3/16/2009	OU1SG-6 6/16/2009	OU1SG-06 9/21/2009	OU1SG07 2/6/2008	OU1SG07 4/3/2008	OU1SG07 6/18/2008	OU1SG07 9/19/2008	OU1SG07 12/23/2008	OU1SG07 3/16/2009	OU1SG-7 6/16/2009	OU1SG-07 9/21/2009	Duplicate of OU1SG-07 9/21/2009
Ethyltoluene, p-	35	0.98 U	0.29 J	0.98 U	0.98 U	0.98 U	0.98 U	2.0 U	1.2	0.98 U	0.98 U	0.69 J	0.98 U	0.98 U	0.98 U	2.0 U	2.0 U
Heptane, n-	25	0.82 UJ	0.82 UJ	0.82 U	0.82 U	0.82 UJ	0.82 U	1.6 U	53	0.82 UJ	0.20 J	1.3	0.82 U	0.82 UJ	0.82 U	1.6 U	1.6 U
Hexachlorobutadiene	2.1 U	2.1 U	2.1 UJ	2.1 U	2.1 U	2.1 U	2.1 U	4.3 UJ	2.1 U	2.1 UJ	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.3 UJ	4.3 UJ
Hexane, n-	10	0.70 U	0.70 U	0.21 J	0.7 U	0.70 U	0.70 U	1.4 U	25	0.70 U	0.70 U	0.88	0.7 U	0.70 U	0.70 U	1.4 U	1.4 U
Hexanone, 2-	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	1.6 U	0.82 U	0.82 U	0.82 U	0.70 J	0.82 U	0.82 U	0.82 U	1.6 U	1.6 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	20	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	1.9 U	0.48 J	0.97 U	0.97 U	0.34 J	0.97 U	0.97 U	0.97 U	1.9 U	1.9 U
Indene	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	1.9 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	1.9 U	1.9 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	1.4 U	0.76	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	1.4 U	1.4 U
Methyl-2-pentanone, 4-	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 UJ	0.46 J	1.6 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.54 J	0.32 J	1.6 U	1.6 U
Methylene chloride	1.7 UJ	1.7 U	1.7 UJ	0.69 U	2.1 U	1.7 U	1.7 U	3.5 U	0.80 J	1.7 U	1.7 U	3.8 U	2.3 U	1.7 U	1.7 U	3.5 U	1.5 J
Methylnaphthalene, 1-	0.35 J	1.2 UJ	2.9 UJ	1.2 U	R	1.2 U	1.2 U	2.3 U	0.41 J	1.2 UJ	2.9 U	1.2 U	R	1.2 U	1.2 U	2.3 U	2.3 U
Methylnaphthalene, 2-	0.64 J	1.2 UJ	2.9 UJ	1.2 U	14 UJ	1.2 U	0.33 J	2.3 U	0.46 J	1.2 UJ	2.9 UJ	1.2 U	14 UJ	1.2 U	1.2 U	2.3 U	2.3 U
Methylthiophene, 2-	0.80 U	0.80 U	0.80 U	0.80 U	0.8 U	0.80 U	0.80 U	1.6 U	0.80 U	0.80 U	0.80 U	0.80 U	0.8 U	0.80 U	0.80 U	1.6 U	1.6 U
Methylthiophene, 3-	0.80 UJ	0.80 U	0.80 U	0.80 U	0.8 U	0.80 U	0.80 U	1.6 U	0.80 UJ	0.80 U	0.80 U	0.80 U	0.8 U	0.80 U	0.80 U	1.6 U	1.6 U
Naphthalene	2.0	1.0 U	0.73 J	1.0 U	1 U	1.0 U	0.53 J	0.63 J	0.37 J	0.27 J	0.26 J	1.0 U	1 U	1.0 U	0.27 J	2.1 U	2.1 U
Nonane	8.7	1.0 U	0.58 J	0.26 J	0.62 J	0.50 J	0.29 J	2.1 U	7.8	0.38 J	0.26 J	1.4	0.81 J	0.67 J	0.47 J	2.1 U	2.1 U
Octane, n-	19	1.5	65	2.7	1.9	6.1	9.3	1.9 U	12	2.8	25	3.8	2.1	9.9	0.93 U	1.9 U	1.9 U
Pentane	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	1.2 U	16	0.56 J	0.59 U	3.7	0.59 U	0.59 U	0.59 U	1.2 UJ	3.7 J
Propanol, 2-	0.49 UJ	1.0 J	1.3 UJ	0.49 U	0.67	1.2 U	1.8 U	2.4 U	76 J	2.7	2.8 J	11 J	0.49 U	1.6 U	1.2 U	2.4 U	2.4 U
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.89	0.85 U	0.51 J	0.21 J	0.85 U	0.85 U	2.9	1.7 U	0.47 J	0.85 U	0.85 U	0.94	0.85 U	0.85 U	2.7	1.7 U	1.7 U
t-Butyl alcohol	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	1.5 U	0.38 J	1.2 U	0.61 U	0.18 J	0.61 U	1.2	0.61 U	1.5 U	0.61 U	1.2 U	1.2 U
Tetrachloroethane, 1,1,2,2-	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	2.7 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	2.7 U	2.7 U
Tetrachloroethene	16	13	44	56	4.9	8.6	36	32	32	14	17	9.3	1.2 J	2.4	7.1	26 J	6.4 J
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	31	0.32 J	1.1 UJ	0.44 J	1.1 U	1.1 U	1.1 U	2.2 UJ	0.88 J	1.1 U	0.49 J	0.66 J	1.1 U	1.1 U	1.1 U	2.2 UJ	2.2 UJ
Thiophene	0.69 U	0.69 U	0.69 UJ	0.69 U	0.69 U	0.69 U	0.69 U	1.4 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	1.4 U	1.4 U
Trans-1,2-dichloroethene	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	1.6 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	1.5 U	0.44 J	0.69 J	0.61 J	0.59 J	0.60 J	0.74 J	0.92 J	0.77 J	0.70 J	1.5 U	0.54 J	0.6 J	0.64 J	0.75 J	0.92 J	3.1 U
Trichlorobenzene, 1,2,4-	1.5 U	1.5 U	1.5 UJ	1.5 U	1.5 U	1.5 U	1.5 U	3.0 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.0 U	3.0 U
Trichloroethane, 1,1,1-	0.27 J	1.1 U	1.1	1.7	1.1 U	1.1 U	0.59 J	1.3 J	0.82 J	1.1 U	0.55 J	0.33 J	1.1 U	1.1 U	0.31 J	2.2 U	2.2 U
Trichloroethane, 1,1,2-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	2.2 U
Trichloroethene	0.59 J	0.71 J	2.0	2.3	0.62 J	0.48 J	1.2	1.7 J	0.86 J	1.1 U	1.1 U	7.1	1.1 U	1.1 U	1.1 U	2.2 U	2.2 U
Trichlorofluoromethane	1.1 U	1.2	1.6	1.4	1.3	1.3	2.0	1.7 J	1.4	2.3	1.5	1.5	1.4	1.4	1.5	1.8 J	1.9 J
Trimethylbenzene, 1,2,3-	180	0.69 J	1.8	0.98 U	0.98 U	0.29 J	0.30 J	2.0 UJ	3.6	0.92 J	0.64 J	1.0	0.27 J	0.34 J	0.27 J	2.0 UJ	2.0 UJ
Trimethylbenzene, 1,2,4-	100	0.28 J	0.59 J	0.29 J	0.98 U	0.98 U	0.82 J	0.49 J	1.4	0.27 J	0.98 U	2.5 J	0.98 U	0.98 U	0.64 J	2.0 U	2.0 U
Trimethylbenzene, 1,3,5-	76	0.34 J	0.93 J	0.98 U	0.98 U	0.98 U	0.98 U	2.0 U	1.2	0.36 J	0.29 J	0.84 J	0.98 U	0.98 U	0.98 U	2.0 U	2.0 U
Trimethylpentane, 2,2,4-	180	0.58 J	0.93 UJ	0.37 J	0.93 U	0.93 U	0.93 U	1.9 U	14	0.93 UJ	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	1.9 U	1.9 U
Undecane, n-	5.4	0.84 J	3.3	1.3 UJ	1.3 U	0.91 J	1.5	1.0 J	4.9	2.0	1.3	1.3 UJ	1.3 U	0.82 J	1.5	2.6 U	2.6 U
Vinyl bromide	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	1.8 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	1.8 U	1.8 U
Vinyl chloride	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	1.0 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	1.0 U	1.0 U
Other (%)																	
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NA	NA	0.0174 U	0.0232 U	0.0155	0.0173 U	0.0178	0.00328 U	NA	NA	0.0189 U	0.0172 U	0.0151	0.017 U	0.0172	0.003 U	0.0188 U

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU1SG08 2/7/2008	OU1SG08 6/13/2008	OU1SG08 9/30/2008	OU1SG08 12/30/2008	OU1SG-09 6/16/2009	OU1SG-09 9/21/2009	OU2SG01 7/21/2004	OU2SG01 10/13/2004	OU2SG01 5/5/2005	OU2SG01 8/30/2005	OU2SG01 2/11/2006	OU2SG01 6/14/2006	OU2SG01 9/7/2006	OU2SG01 2/22/2007	OU2SG01 5/24/2007	OU2SG01 7/25/2007	OU2SG01 9/19/2007	OU2SG01 12/18/2007
BTEX (ug/m3)																		
Benzene	0.86	0.64 UJ	0.64 U	0.64 U	0.64 U	1.3 U	10.2	5.1	3.8	5.4	6.1	13.4 U	18.5	7.0	0.68 J	0.65 J	0.56 J	0.29 J
Toluene	9.0	7.5	8.4	1.8	1.4	2.4	32.4	32.4	36.6	75.4	56.5	56.5	128.1	180	270	3.2	1.5 J	0.53 J
Ethylbenzene	0.74 J	1.2	0.32 J	0.22 J	0.87 U	1.7 U	8.7	7.4	7.4	17.4	17.4	18.2 U	43	7.6	7.2	2.1 U	2.2 U	0.87 U
Xylene, m,p-	2.6	3.9	0.98 J	0.76 J	1.7 U	1.0 J	29.5	30.8	24.3	69.5	47.8	43.4	95.5	20	22	4.3 U	4.3 U	1.7 U
Xylene, o-	1.2	1.6	0.37 J	0.28 J	0.87 U	0.52 J	9.1	9.6	8.3	22.1	12.2	18.2 U	30.8	6.4	9.8	2.1 U	2.2 U	0.87 U
Other VOCs (ug/m3)																		
Acetaldehyde	4.5 U	24	1.8 UJ	4.5 UJ	4.5 U	6.3 J	NA	NA	NA	NA	NA	NA	NA	4.4 J	100 J	150	28	1.8 U
Acetone	1.2 U	10	0.47 UJ	1.2 UJ	3.3 U	5.2 UJ	109.3	104.5	427.6	109.3	47.5	641.4	218.5	74	24 J	19 J	7.5	0.47 U
Acrolein (propenal)	0.46 U	1.2	0.54	0.46 U	0.46 J	2.3 U	NA	NA	NA	NA	NA	NA	NA	0.96 U	2.4 U	1.1 UJ	1.2 U	0.46 U
Allyl chloride	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	1.3 U	9.4 U	9.1 U	9.1 U	10 U	9.1 U	53.2 U	10 U	1.3 U	1.3 U	1.5 U	1.6 U	0.63 U
Benzo(a)thiophene	1.1 U	1.1 UJ	1.1 U	1.1 UJ	1.1 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	12 UJ	5.6 U	2.7 U	2.7 U	1.1 U
Bromodichloromethane	0.33 J	1.3 U	1.3 U	1.3 U	1.3 U	2.7 U	5.1 U	4.8 U	4.9 U	5.4 U	4.9 U	28.1 U	5.4 U	2.8 U	2.8 U	3.3 U	3.4 U	1.3 U
Bromoform	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.1 U	7.9 U	7.4 U	7.5 U	8.3 U	7.5 U	43.4 U	8.3 U	4.3 U	4.2 U	5.1 U	5.2 U	2.1 U
Bromomethane	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	1.6 U	3 U	2.8 U	2.8 U	3.1 U	2.8 U	16.3 U	3.1 U	1.6 U	1.6 U	1.9 U	1.9 U	0.78 U
Butadiene, 1,3-	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.88 U	1.7 U	3.1	2.9	1.8 U	1.6 U	9.3 U	11.7	0.70 J	0.91 U	1.1 U	1.1 U	0.44 U
Butane	1.1	0.48 U	8.5	20	0.48 U	0.95 U	NA	NA	NA	NA	NA	NA	NA	23	0.77 J	2.8	1.2 U	1.8
Butanone, 2-	1.3	2.9	0.85	0.59 U	0.59 U	1.2 U	14.2	14.2	32.4	2.4 U	8.3	20.9	29.5	7.5	12	5.3	2.4	0.59 U
Carbon disulfide	0.19 J	1.8 J	0.72	0.17 J	5.6	9.5	15.6	5	3.7	2.5 U	3.1	13.1 U	13.1	6.5	6.1 J	5.5	3.7	0.50 J
Carbon tetrachloride	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.6 J	4.8 U	4.5 U	4.6 U	5 U	4.6 U	26.4 U	5 U	2.6 U	2.6 UJ	3.1 U	3.1 U	0.38 J
Chlorobenzene	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	3.5 U	3.3 U	3.4 U	3.7 U	3.4 U	19.3 U	3.7 U	1.9 U	1.9 U	2.3 U	2.3 U	0.92 U
Chloroethane	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	1.0 U	2 U	1.9 U	1.9 U	2.1 U	1.9 U	11.1 U	2.1 U	1.1 U	1.1 U	1.3 U	1.3 U	0.53 U
Chloroform	29	1.8	0.39 J	3.8	0.34 J	0.78 J	3.7 U	3.5 U	3.6 U	3.9 U	3.6 U	20.5 U	3.9 U	3.6	1.4 J	1.6 J	0.73 J	0.34 J
Chloromethane	0.41 U	0.23 J	0.15 J	0.16 J	0.16 J	0.83 U	6.2 U	6 U	6 U	6.6 U	6 U	35.1 U	6.6 U	0.74 J	0.64 J	0.45 J	1.0 U	0.41 U
Chlorotoluene, 2-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.1 U	NA	NA	NA	NA	NA	NA	NA	2.2 U	2.1 U	2.6 U	2.6 U	1.0 U
Cryofluorane	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	2.8 U	5.3 U	5 U	5.1 U	5.6 U	5.1 U	29.4 U	5.6 U	2.9 U	2.9 U	3.4 U	3.5 U	1.4 U
Cyclohexane	0.21 J	0.38 J	0.69 U	0.65 J	0.69 U	1.4 U	154.9	7.9	2.5 U	3.3	2.5 U	14.5 U	2.8 U	31	28	1.6 J	1.7 U	0.34 J
Decane, n-	3.2	80	24	2.1	0.89 J	0.58 J	NA	NA	NA	NA	NA	NA	NA	2.4	13	2.9 U	2.9 U	1.2 U
Dibromochloromethane	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	3.4 U	6.5 U	6.1 U	6.2 U	6.8 U	6.2 U	35.8 U	6.8 U	3.6 U	3.5 U	4.2 U	4.3 U	1.7 U
Dibromoethane, 1,2-	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.1 U	5.8 U	5.5 U	5.6 U	6.1 U	5.6 U	32.3 U	6.1 U	3.2 U	3.2 U	3.8 U	3.8 U	1.5 U
Dichlorobenzene, 1,2-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	2.4 U	4.6 U	4.3 U	4.4 U	4.8 U	4.4 U	25.3 U	4.8 U	2.5 U	2.5 U	3 U	3.0 U	1.2 U
Dichlorobenzene, 1,3-	2.3	13	0.59 J	1.2 U	1.2 U	2.4 U	4.6 U	4.3 U	4.4 U	4.8 U	4.4 U	25.3 U	4.8 U	2.5 U	2.5 U	3 U	3.0 U	1.2 U
Dichlorobenzene, 1,4-	1.2 U	0.96 J	1.2 U	1.2 U	1.2 U	2.4 U	4.6 U	4.3 U	4.4 U	4.8 U	4.4 U	25.3 U	4.8 U	2.5 UJ	5	1.6 J	1.0 J	1.2 U
Dichlorodifluoromethane	2.3	3.3	3.1	2.7	2.3	3.6	3.8 U	3.6 U	3.6 U	4 U	3.6 U	20.8 U	4 U	2.5	2.8	2.5	2.7	2.9
Dichloroethane, 1,1-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	1.6 U	3.1 U	2.9 U	3 U	3.2 U	3 U	17 U	3.2 U	1.7 U	1.7 U	2 U	2.0 U	0.81 U
Dichloroethane, 1,2-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	1.6 U	3.1 U	2.9 U	3 U	3.2 U	3 U	17 U	3.2 U	1.7 U	1.7 U	2 U	2.0 U	0.81 U
Dichloroethene, 1,1-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	3 U	2.9 U	2.9 U	3.2 U	2.9 U	16.7 U	3.2 U	1.7 U	1.6 U	2 U	2.0 U	0.79 U
Dichloroethene, cis-1,2-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	3 U	2.9 U	2.9 U	3.2 U	2.9 U	16.7 U	3.2 U	1.7 U	1.6 U	2 U	2.0 U	0.79 U
Dichloropropane, 1,2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	3.5 U	3.3 U	3.4 U	3.7 U	3.4 U	19.4 U	3.7 U	1.9 U	1.9 U	2.3 U	2.3 U	0.92 U
Dichloropropene, cis-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	1.8 U	3.4 U	3.3 U	3.3 U	3.6 U	3.3 U	19.1 U	3.6 U	1.9 U	1.9 U	2.2 U	2.3 U	0.91 U
Dichloropropene, trans-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	1.8 U	3.4 U	3.3 U	3.3 U	3.6 U	3.3 U	19.1 U	3.6 U	1.9 U	1.9 U	2.2 U	2.3 U	0.91 U
Dioxane, 1,4-	0.72 U	0.72 U	0.72 U	0.72 U	0.72 UJ	1.4 U	10.8 U	10.5 U	10.5 U	11.5 U	10.5 U	61.3 U	11.5 U	3.8 U	1.5 U	1.8 U	1.8 U	1.8 U
Dodecane, n-	1.2 J	40 J	13	1.6 J	0.97 J	1.4 J	NA	NA	NA	NA	NA	NA	NA	0.73 J	30	1.6 J	3.5 U	1.6
Ethanol	2.2	44	18	8.2	4.1	3.8 U	64.1	5.8	244.9 J	6 U	22.6	90.4	111.2	85	4.9	20	16	2.3 U
Ethylthiophene, 2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	NA	NA	NA	NA	NA	NA	NA	1.9 U	1.9 U	2.3 U	2.3 U	0.92 U

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU1SG08 2/7/2008	OU1SG08 6/13/2008	OU1SG08 9/30/2008	OU1SG08 12/30/2008	OU1SG-09 6/16/2009	OU1SG-09 9/21/2009	OU2SG01 7/21/2004	OU2SG01 10/13/2004	OU2SG01 5/5/2005	OU2SG01 8/30/2005	OU2SG01 2/1/2006	OU2SG01 6/14/2006	OU2SG01 9/7/2006	OU2SG01 2/22/2007	OU2SG01 5/24/2007	OU2SG01 7/25/2007	OU2SG01 9/19/2007	OU2SG01 12/18/2007
Ethyltoluene, p-	0.54 J	0.84 J	0.98 U	0.98 U	0.98 U	2.0 U	8.8	9.8	7.9	21.6	6.9 J	20.6 U	25.6	1.1 J	1.9 J	2.4 U	2.5 U	0.98 U
Heptane, n-	1.9	3.5	0.82 U	0.82 U	0.82 U	1.6 U	122.9	4.1	3.5	8.6	4.9	17.2 U	18	8.1	1.7 U	2 U	2.0 U	0.82 U
Hexachlorobutadiene	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.3 UJ	32 U	30.9 U	30.9 U	34.1 U	30.9 U	181.3 U	34.1 UJ	4.5 UJ	4.4 U	5.2 U	5.3 U	2.1 U
Hexane, n-	0.53 J	0.21 J	0.25 J	0.70 U	0.70 U	1.4 U	33.5	8.1	5.3	7.4	4.6	14.8 U	20.4	280	13	0.83 J	5.3	0.18 J
Hexanone, 2-	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	1.6 U	12.3 U	11.9 U	11.9 U	13.1 U	11.9 U	69.6 U	13.1 U	4.3 U	1.7 U	0.54 J	2.0 U	0.82 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	0.39 J	1.1	0.97 U	0.97 U	0.97 U	1.9 U	ND	ND	NA	NA	NA	NA	15.5 U	1.0 J	2	2.4 U	2.4 U	0.97 U
Indene	0.95 U	0.38 J	0.95 U	0.95 U	0.95 U	1.9 U	ND	ND	NA	NA	NA	NA	15.2 U	2.0 U	2 U	2.3 U	2.4 U	0.95 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	3.7 U	3.5 U	3.6 U	3.9 U	3.6 U	20.6 U	3.9 U	NA	NA	NA	NA	NA
Methyl tert-butyl ether	0.72 U	0.72 UJ	0.72 U	0.72 U	0.72 U	1.4 U	2.7 U	2.6 U	2.6 U	4.7	2.6 U	15.1 U	2.9 U	1.5 U	1.5 U	1.8 U	1.8 U	0.72 U
Methyl-2-pentanone, 4-	0.53 J	0.82 U	0.82 U	0.73 J	0.82 U	1.6 J	4.5	2.9 U	3 U	3.3 U	3 U	17.2 U	3.3 U	1.4 J	1.7 U	2 U	2.0 U	0.82 U
Methylene chloride	0.49 J	2.5 U	3.1 U	1.7 U	1.7 U	3.5 U	2.6 UJ	2.5 U	2.5 U	2.8 U	2.5 U	14.6 U	2.8 U	5.0 J	27	1.7 U	11	0.69 U
Methylnaphthalene, 1-	1.2 U	0.41 J	1.2 UJ	R	1.2 U	2.3 U	NA	NA	NA	NA	NA	NA	NA	30 U	30 U	2.9 U	2.9 U	14 UJ
Methylnaphthalene, 2-	1.2 U	0.93 J	0.44 J	14 UJ	1.2 U	2.3 U	NA	NA	NA	NA	NA	NA	NA	30 U	12 U	36 UJ	2.9 U	14 U
Methylthiophene, 2-	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	1.6 U	NA	NA	NA	NA	NA	NA	NA	1.7 U	1.6 U	2 U	2.0 U	0.80 U
Methylthiophene, 3-	0.80 UJ	0.80 U	0.80 U	0.80 U	0.80 U	1.6 U	NA	NA	NA	NA	NA	NA	NA	1.7 U	1.6 U	2 U	2.0 U	0.80 U
Naphthalene	1.0 U	1.9	0.61 J	1.0 UJ	0.34 J	2.1 U	15.7 U	15.2 U	15.2 UJ	26.2	15.2 U	89.1 UJ	16.8 U	5.5 U	2.3	2.6 U	2.6 U	1.0 U
Nonane	1.5	2.0	0.70 J	0.52 J	0.34 J	2.1 U	NA	NA	NA	NA	NA	NA	NA	2.8	2.2	2.6 U	2.6 U	1.0 U
Octane, n-	0.89 J	550	45	0.30 J	0.25 J	1.9 U	NA	NA	NA	NA	NA	NA	NA	3.0	1.9 U	2.3 U	2.3 U	0.93 U
Pentane	0.62	0.59 U	0.92	8.5	0.59 U	1.2 U	NA	NA	NA	NA	NA	NA	NA	20	1.2 U	2.3	0.44 J	0.86
Propanol, 2-	6.2 J	5.2 J	1.7	1.2 J	1.2 U	2.4 U	7.4 U	7.1 U	14.5	7.9 U	7.1 U	68.8	8.8	7.4	2 J	5.1	0.74 J	0.49 U
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	3.7 U	3.5 U	3.6 U	4.9	3.6 U	20.6 U	6.4	NA	NA	NA	NA	NA
Styrene	0.85 U	0.68 J	0.31 J	0.85 U	1.8	1.7 U	3.2 U	3.1 U	3.1 U	6	3.1 U	17.9 U	4.1	1.8 U	1.8 U	2.1 U	2.1 U	0.85 U
t-Butyl alcohol	0.61 U	0.61 U	0.61 U	0.18 J	0.61 U	1.2 U	NA	NA	NA	NA	NA	NA	NA	1.3 U	1.2 U	0.97 J	1.5 U	0.61 U
Tetrachloroethane, 1,1,2,2-	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	2.7 U	5.2 U	4.9 U	5 U	5.5 U	5 U	28.8 U	5.5 U	2.9 U	2.8 U	3.4 U	3.4 U	1.4 U
Tetrachloroethene	3.3	3.0	2.4	0.35 J	4.1	4.2	5.2	26.5	5 U	8.1	9.5	43.4	19	9.4	10	0.88 J	0.85 J	1.4 U
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	2.2 U	2.1 U	2.2 U	2.7	2.5	12.4 U	2.7	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	0.44 J	3.9 J	0.63 J	1.1 U	1.1 U	2.2 UJ	NA	NA	NA	NA	NA	NA	NA	2.3 U	4.2 J	14 U	2.7 U	1.1 U
Thiophene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	1.4 U	NA	NA	NA	NA	NA	NA	NA	1.4 U	1.4 U	1.7 U	1.7 U	0.69 U
Trans-1,2-dichloroethene	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	3 U	2.9 U	2.9 U	3.2 U	2.9 U	16.7 U	3.2 U	1.7 U	1.6 U	2 U	2.0 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	0.61 J	1.1 J	0.89 J	0.73 J	0.83 J	3.1 U	5.8 U	5.5 U	5.6 U	6.1 U	5.6 U	32.2 U	6.1 U	3.2 U	3.1 U	3.8 U	3.8 U	0.61 J
Trichlorobenzene, 1,2,4-	1.5 U	1.5 U	1.5 U	1.5 UJ	1.5 U	3.0 U	22.3 U	21.5 U	21.5 U	23.7 U	21.5 U	126.2 U	23.7 UJ	3.1 UJ	3 U	3.6 U	3.7 U	1.5 U
Trichloroethane, 1,1,1-	0.49 J	2.3	2.9	0.50 J	11	27	4.1 U	3.9 U	4 U	4.4 U	4 U	22.9 U	4.4 U	2.3 U	2.2 UJ	2.7 U	2.7 U	1.1 U
Trichloroethane, 1,1,2-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	4.1 U	3.9 U	4 U	4.4 U	4 U	22.9 U	4.4 U	2.3 U	2.2 U	2.7 U	2.7 U	1.1 U
Trichloroethene	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	4.1 U	3.9 U	3.9 U	4.3 U	3.9 U	22.6 U	4.3 U	0.90 J	2.2 U	2.6 U	2.7 U	1.1 U
Trichlorofluoromethane	1.6	2.0	2.0	1.6	2.6	2.2	4.3 U	4 U	4.1 U	4.5 U	4.1 U	23.6 U	4.5 U	1.3 J	1.7 J	1.3 J	1.4 J	1.4
Trimethylbenzene, 1,2,3-	2.2	4.6	0.28 J	0.33 J	0.98 U	2.0 UJ	NA	NA	NA	NA	NA	NA	NA	2.0 J	3.6	2.4 U	2.5 U	0.98 U
Trimethylbenzene, 1,2,4-	0.79 J	1.1	0.63 J	0.98 U	0.34 J	2.0 U	6.9	8.8	7.4	18.7	5.4	20.6 U	28.5 J	4.5	15 J	2.4 U	2.5 U	0.98 U
Trimethylbenzene, 1,3,5-	0.83 J	2.2	0.98 U	0.98 U	0.98 U	2.0 U	3.7 U	3.5 U	3.6 U	7.4	3.6 U	20.6 U	8.4	1.6 J	3.4	2.4 U	2.5 U	0.98 U
Trimethylpentane, 2,2,4-	0.51 J	1.2	0.93 U	0.93 U	0.93 U	1.9 U	3.6 U	3.4 U	3.4 U	10.3	261.6	5606.4	453.2	6.9 J	1.9 U	2.3 U	2.3 U	0.93 U
Undecane, n-	1.9	19	1.3 UJ	0.48 J	0.79 J	2.6 U	NA	NA	NA	NA	NA	NA	NA	2.4 J	12	3.1 U	3.2 U	0.64 J
Vinyl bromide	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	1.8 U	NA	NA	NA	NA	NA	NA	NA	1.8 U	1.8 U	2.2 U	2.2 U	0.87 U
Vinyl chloride	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	1.0 U	1.9 U	1.8 U	1.9 U	2 U	1.9 U	10.7 U	2 U	1.1 U	1 U	1.3 U	1.3 U	0.51 U
Other (%)																		
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NA	0.037 U	0.014 U	0.0201	0.0175	0.00345 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG01 3/26/2008	OU2SG01 6/24/2008	OU2SG01 9/24/2008	Duplicate of OU2SG01 9/24/2008	OU2SG01 12/29/2008	OU2SG01 3/23/2009	OU2SG-01 6/17/2009	OU2SG-01 9/22/2009	OU2SG02 7/21/2004	OU2SG02 10/13/2004	OU2SG02 5/5/2005	OU2SG02 8/30/2005	OU2SG02 2/1/2006	OU2SG02 6/14/2006	OU2SG02 9/7/2006	OU2SG02 2/22/2007	OU2SG02 5/24/2007
BTEX (ug/m3)																	
Benzene	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	1.2 U	3.5	2.8	2.4	5.8	7.3	16 U	13.4	1.2 J	1.3 U
Toluene	0.21 J	0.68 J	0.34 J	0.26 J	0.75 U	0.75 U	0.75 U	1.5 U	35.8	27.1	22.6	75.4	64.1	60.3	113.1	15	190
Ethylbenzene	0.87 U	0.48 J	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	1.7 U	10	6.5	5.6	18.7	23	21.7 U	41.7	2.3	3.2
Xylene, m,p-	1.7 U	1.6 J	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	3.5 U	31.7	27.4	18.2	69.5	43.4	42.6	95.5	5.8	5.4
Xylene, o-	0.87 U	0.69 J	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	1.7 U	10	8.3	7.4	22.1	12.6	21.7 U	30.8	1.9 J	4.6
Other VOCs (ug/m3)																	
Acetaldehyde	3.5 J	48	1.8 UJ	1.8 UJ	2.7 U	3.9 U	4.5 U	4.7 J	NA	11.9	NA	NA	NA	NA	NA	0.66 J	140 J
Acetone	1.9 U	21	2.8 J	2.1	2.5 U	1.8 U	2.5 U	4.8 UJ	87.9	99.8	223.3	204.3	52.3	902.7	235.2	8.9	57 J
Acrolein (propenal)	1.2 U	0.32 J	0.46 U	0.46 U	0.46 U	0.46 U	0.33 J	2.3 U	NA	NA	NA	NA	NA	NA	NA	1.0 U	2.3 U
Allyl chloride	0.63 U	0.63 UJ	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	1.2 U	9.1 U	9.1 U	9.1 U	10 U	9.4 U	62.6 U	9.7 U	1.4 U	1.2 U
Benzothiophene	1.1 U	1.1 U	1.1 U	1.1 U	1.1 UJ	2.7 U	1.1 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	13 UJ	5.4 U
Bromodichloromethane	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	2.7 U	4.8 U	4.9 U	4.9 U	5.3 U	5.1 U	33.5 U	5.2 U	3.1 U	2.6 U
Bromoform	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.1 U	7.4 U	7.5 U	7.5 U	8.2 U	7.9 U	51.7 U	8.1 U	4.7 U	4.1 U
Bromomethane	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	1.6 U	2.8 U	2.8 U	2.8 U	3.1 U	3 U	19.4 U	3 U	1.8 U	1.5 U
Butadiene, 1,3-	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.88 U	1.9	1.6 U	2.7	1.7 U	1.7 U	11.1 U	7.5	1.0 U	0.87 U
Butane	0.67	2.0	2.2 J	0.48 UJ	1.4	0.48 U	0.48 U	0.95 U	NA	NA	NA	NA	NA	NA	NA	3.4	1
Butanone, 2-	1.5 U	1.5	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	1.2 U	5.6	12.4	10.3	9.7	6.2	18.6	13.3	1.5 J	19
Carbon disulfide	1.2 U	3.4	1.9	1.9	0.84	1.8	5.2	2.3	3.1	2.3 U	2.3 U	8.1	2.4 U	15.6 U	3.7	1.4	8.1 J
Carbon tetrachloride	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	2.5 U	4.5 U	4.6 U	4.6 U	5 U	4.8 U	31.5 U	4.9 U	2.9 U	2.5 UJ
Chlorobenzene	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	3.3 U	3.4 U	3.4 U	3.6 U	3.5 U	23 U	3.6 U	2.1 U	1.8 U
Chloroethane	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	1.0 U	1.9 U	1.9 U	1.9 U	2.1 U	2 U	13.2 U	2.1 U	1.2 U	1 U
Chloroform	0.54 J	1.4	0.83 J	0.59 J	0.98 U	0.54 J	0.51 J	1.2 J	3.5 U	3.6 U	3.6 U	3.9 U	3.7 U	24.4 U	3.8 U	2.2 U	1.9 U
Chloromethane	0.11 J	0.41 U	0.41 U	0.41 U	0.15 J	0.41 U	0.41 U	0.83 U	6 U	6 U	6 U	6.6 U	6.2 U	41.3 U	6.4 U	0.95 U	0.52 J
Chlorotoluene, 2-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.1 U	NA	NA	NA	NA	NA	NA	NA	2.4 U	2 U
Cryofluorane	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	2.8 U	5 U	5.1 U	5.1 U	5.5 U	5.3 U	35 U	5.5 U	3.2 U	2.8 U
Cyclohexane	0.26 J	0.31 J	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	1.4 U	203.1	7.9	2.5 U	3.8	2.6 U	17.2 U	2.7 U	5.0	12
Decane, n-	1.2 U	58	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	2.3 U	NA	NA	NA	NA	NA	NA	NA	1.5 J	5.2
Dibromochloromethane	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	3.4 U	6.1 U	6.2 U	6.2 U	6.7 U	6.5 U	42.6 U	6.6 U	3.9 U	3.4 U
Dibromoethane, 1,2-	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.1 U	5.5 U	5.6 U	5.6 U	6.1 U	5.8 U	38.4 U	6 U	3.5 U	3 U
Dichlorobenzene, 1,2-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	2.4 U	4.3 U	4.4 U	4.4 U	4.7 U	4.6 U	30.1 U	4.7 U	2.8 U	2.4 U
Dichlorobenzene, 1,3-	1.2 U	4.8	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	2.4 U	4.3 U	4.4 U	4.4 U	4.7 U	4.6 U	30.1 U	5.1	2.8 U	2.4 U
Dichlorobenzene, 1,4-	0.49 J	0.72 J	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	2.4 U	4.3 U	4.4 U	4.4 U	4.7 U	4.6 U	30.1 U	4.7 U	2.8 UJ	2.2 J
Dichlorodifluoromethane	1.9	2.4	2.8	2.7	2.9	2.7	1.4	2.4	3.6 U	3.6 U	3.6 U	3.9 U	3.8 U	24.7 U	3.9 U	2.4	2.7
Dichloroethane, 1,1-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	1.6 U	2.9 U	3 U	3 U	3.2 U	3.1 U	20.2 U	3.2 U	1.8 U	1.6 U
Dichloroethane, 1,2-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 UJ	0.81 U	1.6 U	2.9 U	3 U	3 U	3.2 U	3.1 U	20.2 U	3.2 U	1.8 U	1.6 U
Dichloroethene, 1,1-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	2.9 U	2.9 U	2.9 U	3.1 U	3 U	19.8 U	3.1 U	1.8 U	1.6 U
Dichloroethene, cis-1,2-	0.79 U	0.79 U	0.91	0.79 U	0.79 U	0.59 J	0.79 U	1.6 U	2.9 U	2.9 U	2.9 U	3.1 U	3 U	19.8 U	3.1 U	1.8 U	1.6 U
Dichloropropane, 1,2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	3.3 U	3.4 U	3.4 U	3.7 U	3.5 U	23.1 U	3.6 U	2.1 U	1.8 U
Dichloropropene, cis-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	1.8 U	3.3 U	3.3 U	3.3 U	3.6 U	3.4 U	22.7 U	3.5 U	2.1 U	1.8 U
Dichloropropene, trans-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	1.8 U	3.3 U	3.3 U	3.3 U	3.6 U	3.4 U	22.7 U	3.5 U	2.1 U	1.8 U
Dioxane, 1,4-	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 UJ	1.4 U	10.5 U	10.5 U	10.5 U	11.5 U	10.8 U	72.1 U	11.2 U	4.1 U	1.4 U
Dodecane, n-	1.2 J	31 J	0.49 J	1.7	1.4 U	0.70 J	1.1 J	2.8 UJ	NA	NA	NA	NA	NA	NA	NA	3.2 U	14
Ethanol	15	1.8 J	0.53 J	1.9 U	1.0 J	0.60 J	1.9 U	3.8 U	94.2	5.5 U	188.4 J	50.9	32	124.4	92.3	25	5.6
Ethylthiophene, 2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	NA	NA	NA	NA	NA	NA	NA	2.1 U	1.8 U

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG01 3/26/2008	OU2SG01 6/24/2008	OU2SG01 9/24/2008	Duplicate of OU2SG01 9/24/2008	OU2SG01 12/29/2008	OU2SG01 3/23/2009	OU2SG-01 6/17/2009	OU2SG-01 9/22/2009	OU2SG02 7/21/2004	OU2SG02 10/13/2004	OU2SG02 5/5/2005	OU2SG02 8/30/2005	OU2SG02 2/1/2006	OU2SG02 6/14/2006	OU2SG02 9/7/2006	OU2SG02 2/22/2007	OU2SG02 5/24/2007
Ethyltoluene, p-	0.98 U	0.39 J	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	2.0 U	7.9	8.8	6.9	21.6	5.9	24.6 U	29	2.2 U	1.9 U
Heptane, n-	0.82 U	1.3 J	0.82 U	0.82 U	0.82 U	0.53 J	0.82 U	1.6 U	122.9	3.3	3 U	8.2	6.1	20.5 U	11.9	2.5	1.6 U
Hexachlorobutadiene	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.3 U	30.9 U	30.9 U	30.9 U	34.1 U	32 U	213.3 U	33.1 UJ	4.9 UJ	4.2 U
Hexane, n-	0.70 U	0.92	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	1.4 U	5.6	3.5	2.6 U	8.1	6	17.6 U	11.3	8.9	3.3
Hexanone, 2-	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	2.0 U	0.82 U	1.6 U	11.9 U	11.9 U	11.9 U	13.1 U	12.3 U	81.9 U	12.7 U	4.7 U	1.6 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	0.97 U	0.63 J	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	1.9 U	ND	ND	NA	NA	NA	NA	15 U	2.2 U	1.9 U
Indene	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	1.9 U	ND	ND	NA	NA	NA	NA	14.7 U	2.2 U	1.9 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	3.5 U	3.6 U	3.6 U	3.9 U	3.7 U	24.6 U	3.8 U	NA	NA
Methyl tert-butyl ether	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	1.4 U	3.1	2.6 U	2.6 U	10.1	2.7 U	18 U	2.8 U	1.6 U	1.4 U
Methyl-2-pentanone, 4-	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	1.6 U	4.9	3 U	3 U	3.2 U	3.1 U	20.5 U	3.2 U	1.9 U	1.6 U
Methylene chloride	1.7 U	1.7 U	1.3 U	0.69 U	2.9 U	1.7 U	1.7 U	3.5 U	2.5 UJ	2.5 U	2.5 U	2.7 U	2.6 U	17.4 U	2.7 U	3.7 U	30
Methylnaphthalene, 1-	1.2 U	2.9 UJ	1.2 UJ	1.2 UJ	5.8 UJ	2.9 UJ	1.2 U	2.3 UJ	NA	NA	NA	NA	NA	NA	NA	33 U	29 U
Methylnaphthalene, 2-	1.2 U	2.9 UJ	1.2 U	1.2 U	5.8 U	2.9 UJ	1.2 U	2.3 U	NA	NA	NA	NA	NA	NA	NA	33 U	11 U
Methylthiophene, 2-	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	1.6 U	NA	NA	NA	NA	NA	NA	NA	1.8 U	1.6 U
Methylthiophene, 3-	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	1.6 U	NA	NA	NA	NA	NA	NA	NA	1.8 U	1.6 U
Naphthalene	1.0 UJ	1.0 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.1 U	15.2 U	15.2 U	15.2 UJ	16.8 U	15.7 U	104.8 UJ	16.3 U	6.0 U	1.6 J
Nonane	1.0 U	1.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.1 U	NA	NA	NA	NA	NA	NA	NA	1.7 J	2.1 U
Octane, n-	0.93 U	220	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	1.9 U	NA	NA	NA	NA	NA	NA	NA	1.9 J	1.8 U
Pentane	0.59 UJ	1.7	0.59 U	0.59 U	0.81	0.59 U	0.59 U	1.2 U	NA	NA	NA	NA	NA	NA	NA	2.2	1.2 U
Propanol, 2-	1.2 U	1.2 UJ	0.49 U	0.49 U	1.2 U	1.2 U	1.2 U	1.7 J	7.1 U	7.1 U	15.7	10.6	7.4 U	78.7	9.1	1.5	1.7 J
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	3.5 U	3.6 U	3.6 U	4.5	3.7 U	24.6 U	6.9	NA	NA
Styrene	0.85 U	0.47 J	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	1.7 U	3.1 U	3.1 U	3.1 U	4.3	3.2 U	21.3 U	3.9	2.0 U	1.7 U
t-Butyl alcohol	0.61 U	0.27 J	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	1.2 U	NA	NA	NA	NA	NA	NA	NA	1.4 U	1.2 U
Tetrachloroethane, 1,1,2,2-	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	2.7 U	4.9 U	5 U	5 U	5.4 U	5.2 U	34.3 U	5.4 U	3.1 U	2.7 U
Tetrachloroethene	0.44 J	4.5	5.2	0.61 J	1.4 U	0.41 J	1.4 U	2.7 U	6.1	22.4	5 U	8.8	8.1	50.2	19	3.4	5.3
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.2 U	2.2 U	2.5	2.2 U	14.7 U	2.3 U	NA	NA
Tetramethylbenzene, 1,2,4,5-	1.1 U	3.2 J	1.1 U	1.1 U	1.1 U	2.7 U	1.1 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	2.5 U	5.4 J
Thiophene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	1.4 U	NA	NA	NA	NA	NA	NA	NA	1.6 U	1.4 U
Trans-1,2-dichloroethene	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	2.9 U	2.9 U	2.9 U	3.1 U	3 U	19.8 U	3.1 U	1.8 U	1.6 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	0.39 J	0.54 J	0.54 J	0.46 J	0.62 J	0.46 J	1.5 U	3.1 U	5.5 U	5.6 U	5.6 U	6.1 U	5.8 U	38.3 U	6 U	3.5 U	3 U
Trichlorobenzene, 1,2,4-	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.0 U	21.5 U	21.5 U	21.5 U	23.7 U	22.3 U	148.4 U	23 UJ	3.4 UJ	2.9 U
Trichloroethane, 1,1,1-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	3.9 U	4 U	4 U	4.3 U	4.1 U	27.3 U	4.3 U	2.5 U	2.2 UJ
Trichloroethane, 1,1,2-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	3.9 U	4 U	4 U	4.3 U	4.1 U	27.3 U	4.3 U	2.5 U	2.2 U
Trichloroethene	1.1 U	1.1 U	21 J	1.1 UJ	1.1 U	0.54 J	1.1 U	2.2 U	3.9 U	3.9 U	3.9 U	8.6	4.1 U	26.9 U	4.2 U	2.5 U	2.1 U
Trichlorofluoromethane	0.95 J	1.4	1.4	1.4	1.5	1.4	1.3	1.6 J	4 U	4.1 U	4.1 U	4.4 U	4.3 U	28.1 U	4.4 U	1.2 J	1.7 J
Trimethylbenzene, 1,2,3-	0.98 U	2.9	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	2.0 U	NA	NA	NA	NA	NA	NA	NA	2.2 U	2
Trimethylbenzene, 1,2,4-	0.98 U	0.74 J	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	2.0 U	4.9	9.3	6.4	18.2	4.4	24.6 U	32.9 J	1.6 J	6.6 J
Trimethylbenzene, 1,3,5-	0.98 U	1.5	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	2.0 U	3.5 U	3.6 U	3.6 U	6.9	3.7 U	24.6 U	8.8	2.2 U	1.9 U
Trimethylpentane, 2,2,4-	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	1.9 U	3.4 U	3.4 U	3.4 U	11.2	607.4	7008	934.4	2.1 J	1.8 U
Undecane, n-	0.46 J	12	1.3 U	0.83 J	1.3 U	0.51 J	0.82 J	2.6 U	NA	NA	NA	NA	NA	NA	NA	2.9 U	2.5 U
Vinyl bromide	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	1.8 U	NA	NA	NA	NA	NA	NA	NA	2.0 U	1.7 U
Vinyl chloride	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	1.0 U	1.8 U	1.9 U	1.9 U	2 U	1.9 U	12.8 U	2 U	1.2 U	1 U
Other (%)																	
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NA	NA	0.297	0.284	0.773	0.061	0.458	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG02 7/25/2007	OU2SG02 9/19/2007	OU2SG02 12/18/2007	OU2SG02 3/26/2008	OU2SG02 6/24/2008	OU2SG02 9/22/2008	OU2SG02 9/24/2008	OU2SG02 12/29/2008	OU2SG02 3/23/2009	OU2SG-02 6/17/2009	OU2SG-02 9/22/2009	OU2SG03 7/21/2004	OU2SG03 10/13/2004	OU2SG03 5/5/2005	OU2SG03 8/30/2005	OU2SG03 2/1/2006	OU2SG03 6/14/2006	OU2SG03 9/7/2006
BTEX (ug/m3)																		
Benzene	0.51 J	0.67 J	0.64 U	0.64 U	0.19 J	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	2.0 U	5.4	2.6	6.4	7	10.2	21.1 U	17.9
Toluene	7.4	1.2 J	0.34 J	0.75 U	0.83	4.2	0.26 J	0.75 U	0.75 U	1.0	1.7	33.9	27.1	45.2	94.2	52.8	56.5	135.7
Ethylbenzene	2.1 U	2.6 U	0.87 U	0.87 U	0.43 J	0.22 J	0.87 U	0.87 U	0.87 U	0.27 J	1.7 U	10	5.2	6.9	23.4	18.7	28.7 U	37.3
Xylene, m,p-	4.2 U	5.2 U	1.7 U	0.23 J	1.4 J	0.74 J	1.7 U	1.7 U	1.7 U	0.53 J	3.5 U	36	24.8	15.6	95.5	47.8	37.3	121.6
Xylene, o-	0.54 J	2.6 U	0.87 U	0.87 U	0.65 J	0.30 J	0.87 U	0.87 U	0.87 U	0.26 J	1.7 U	13.5	7.4	6.1	33	12.6	28.7 U	35.2
Other VOCs (ug/m3)																		
Acetaldehyde	150	35	1.8 U	3.7 J	57	5.8 J	1.8 UJ	2.4 U	6.8	4.5 U	6.3 J	NA	19.8	NA	NA	NA	NA	NA
Acetone	15 J	7.6	1.2 U	2.6 U	23	3.0	2.2	1.7 U	2.8 J	3.6 U	7.0 UJ	90.3	128.3	855.2 EJ	522.6	87.9	1092.7	475.1
Acrolein (propenal)	0.45 J	1.4 U	0.46 U	0.15 J	0.41 J	0.46 U	0.46 U	0.46 U	0.46 U	1.2 U	2.3 U	NA	NA	NA	NA	NA	NA	NA
Allyl chloride	1.5 U	1.9 U	0.63 U	0.63 U	0.63 UJ	0.63 U	0.63 U	0.63 U	0.63 U	1.2 U	9.4 U	9.4 U	10 U	9.7 U	9.1 U	81.4 U	9.4 U	NA
Benzo(b)thiophene	2.7 U	3.3 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 UJ	2.7 U	1.1 U	2.2 U	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	3.3 U	4.0 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	2.7 U	5.1 U	5.1 U	5.3 U	5.2 U	4.9 U	44.2 U	5 U
Bromoform	5 U	6.2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.1 U	7.9 U	7.9 U	8.2 U	8.1 U	7.5 U	68.2 U	7.6 U
Bromomethane	1.9 U	2.3 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	1.6 U	3 U	3 U	3.1 U	3 U	2.8 U	25.6 U	2.9 U
Butadiene, 1,3-	1.1 U	1.3 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.88 U	1.7 U	1.7 U	5.3	2.2	1.6 U	14.6 U	7.7
Butane	1.1 J	1.4 U	0.59	0.33 J	0.26 J	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.95 U	NA	NA	NA	NA	NA	NA	NA
Butanone, 2-	4.6	2.2	0.59 U	0.27 J	1.3	0.59	0.59 U	0.61	0.59 U	0.82	2.3	15	12.4	35.4	16.8	8.8	24.5	20.1
Carbon disulfide	4.7	2.9	0.53 J	1.2 U	2.2	1.0	1.1	0.49 J	0.62 U	1.3	0.75 J	5.9	24.9	2.5	3.7	4.7	20.9	8.1
Carbon tetrachloride	3.1 U	3.8 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	0.88 J	4.8 U	4.8 U	5 U	4.9 U	4.6 U	41.5 U	4.7 U
Chlorobenzene	2.2 U	2.8 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	3.5 U	3.5 U	3.6 U	3.6 U	3.4 U	30.4 U	3.4 U
Chloroethane	1.3 U	1.6 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	1.0 U	2 U	2 U	2.1 U	2.1 U	1.9 U	17.4 U	2 U
Chloroform	0.9 J	0.73 J	0.24 J	1.1	0.68 J	0.98 U	0.59 J	0.46 J	0.83 J	0.44 J	2.0 U	3.7 U	3.7 U	3.9 U	3.8 U	3.6 U	32.2 U	3.6 U
Chloromethane	0.31 J	1.2 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.13 J	0.41 U	0.41 U	0.83 U	6.2 U	6.2 U	6.6 U	6.4 U	6 U	53.7 U	6.2 U
Chlorotoluene, 2-	2.5 U	3.1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.1 U	NA	NA	NA	NA	NA	NA	NA
Cryofluorane	3.4 U	4.2 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	2.8 U	5.3 U	5.3 U	5.5 U	5.5 U	5.1 U	46.1 U	5.2 U
Cyclohexane	2.2	2.9	0.65 J	2.1	0.89	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	1.4 U	134.2	10	2.7 U	6.5	2.5 U	22.7 U	2.5 U
Decane, n-	4	3.5 U	1.2 U	1.2 U	58	26	1.2 U	1.2 U	1.2 U	1.2 U	4.9	2.3 U	NA	NA	NA	NA	NA	NA
Dibromochloromethane	4.2 U	5.1 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	3.4 U	6.5 U	6.5 U	6.7 U	6.6 U	6.2 U	56.2 U	6.3 U
Dibromoethane, 1,2-	3.8 U	4.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.1 U	5.8 U	5.8 U	6.1 U	6 U	5.6 U	50.7 U	5.7 U
Dichlorobenzene, 1,2-	2.9 U	3.6 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	2.4 U	4.6 U	4.6 U	4.7 U	4.7 U	4.4 U	39.7 U	4.4 U
Dichlorobenzene, 1,3-	2.9 U	3.6 U	1.2 U	1.2 U	4.5	0.48 J	1.2 U	1.2 U	1.2 U	0.80 J	2.4 U	4.6 U	4.6 U	5.9	4.7 U	4.4 U	39.7 U	4.4 U
Dichlorobenzene, 1,4-	2.9 U	3.6 U	1.2 U	0.55 J	0.72 J	1.2 U	0.36 J	1.2 U	1.2 U	0.36 J	2.4 U	4.6 U	4.6 U	4.7 U	4.7 U	4.4 U	39.7 U	4.4 U
Dichlorodifluoromethane	2.4 J	2.7 J	2.3	2.2	2.5	2.3	2.9	2.6	2.4	1.3	2.9	3.8 U	7.4	3.9 U	3.9 U	3.7	32.6 U	3.7 U
Dichloroethane, 1,1-	2 U	2.4 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	1.6 U	3.1 U	3.1 U	3.2 U	3.2 U	3 U	26.7 U	3 U
Dichloroethane, 1,2-	2 U	2.4 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 UJ	0.81 U	0.81 U	1.6 U	3.1 U	3.1 U	3.2 U	3.2 U	3 U	26.7 U	3 U
Dichloroethene, 1,1-	1.9 U	2.4 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	3 U	3 U	3.1 U	3.1 U	2.9 U	26.2 U	2.9 U
Dichloroethene, cis-1,2-	1.9 U	2.4 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	3 U	3 U	3.1 U	3.1 U	2.9 U	26.2 U	2.9 U
Dichloropropane, 1,2-	2.2 U	2.8 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	3.5 U	3.5 U	3.7 U	3.6 U	3.4 U	30.5 U	3.4 U
Dichloropropene, cis-1,3	2.2 U	2.7 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	1.8 U	3.4 U	3.4 U	3.6 U	3.5 U	3.3 U	30 U	3.4 U
Dichloropropene, trans-1,3	2.2 U	2.7 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	1.8 U	3.4 U	3.4 U	3.6 U	3.5 U	3.3 U	30 U	3.4 U
Dioxane, 1,4-	1.8 U	2.2 U	1.8 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 UJ	1.4 U	10.8 U	10.8 U	11.5 U	11.2 U	10.5 U	93.7 U	10.8 U
Dodecane, n-	2.3 J	1.7 J	0.56 J	4.8	47 J	20	2.2	1.4 U	3.5 U	5.2	2.8 UJ	NA	NA	NA	NA	NA	NA	NA
Ethanol	27	16	1.9 U	0.78 J	0.79 J	4.0	0.75 J	1.9 U	4.7 U	17	4.1 U	82.9	7	433.4	52.8	22.6	120.6	52.8
Ethylthiophene, 2-	2.2 U	2.8 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	NA	NA	NA	NA	NA	NA	NA

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG02 7/25/2007	OU2SG02 9/19/2007	OU2SG02 12/18/2007	OU2SG02 3/26/2008	OU2SG02 6/24/2008	OU2SG02 9/22/2008	OU2SG02 9/24/2008	OU2SG02 12/29/2008	OU2SG02 3/23/2009	OU2SG-02 6/17/2009	OU2SG-02 9/22/2009	OU2SG03 7/21/2004	OU2SG03 10/13/2004	OU2SG03 5/5/2005	OU2SG03 8/30/2005	OU2SG03 2/1/2006	OU2SG03 6/14/2006	OU2SG03 9/7/2006
Ethyltoluene, p-	2.4 U	3.0 U	0.98 U	0.98 U	0.39 J	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	2.0 U	8.8	7.9	3.9 U	33.4	7.4 J	32.4 U	49.2
Heptane, n-	2 U	2.5 U	0.82 U	0.82 U	0.78 J	0.82 U	0.82 U	0.82 U	0.29 J	0.82 U	1.6 U	65.6	3.7	4.9	11.5	5.3	27 U	12.7
Hexachlorobutadiene	5.2 U	6.4 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.3 U	32 U	32 U	34.1 U	33.1 U	30.9 U	277.3 U	32 UJ
Hexane, n-	1.7 U	6.1	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	9.8	4.2	4.6	7.4	10.2	6.7	23.3 U	12.3
Hexanone, 2-	0.86 J	2.5 U	0.82 U	0.82 U	0.82 U	0.65 J	0.82 U	0.82 U	2.0 U	0.82 U	1.6 U	12.3 U	12.3 U	13.1 U	12.7 U	11.9 U	106.5 U	12.3 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	2.4 U	2.9 U	0.97 U	0.97 U	0.58 J	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	1.9 U	0.97 U	0.97 U	NA	NA	NA	NA	14.5 U
Indene	2.3 U	2.8 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	1.9 U	ND	ND	NA	NA	NA	NA	14.3 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.7 U	3.7 U	3.9 U	3.8 U	3.6 U	3.6 U	32.4 U	3.6 J
Methyl tert-butyl ether	1.8 U	2.2 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	1.4 U	2.7 U	2.7 U	2.8 U	22.7	2.6 U	23.8 U	2.7 U
Methyl-2-pentanone, 4-	2 U	2.5 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.58 J	1.6 U	7.4	3.1 U	3.2 U	3.2 U	3 U	27 U	3 U
Methylene chloride	1.7 U	14	0.80 U	1.7 U	1.7 U	2.2 U	0.69 U	2.8 U	1.7 U	1.7 U	3.5 U	2.6 UJ	2.6 U	2.7 U	2.7 U	2.5 U	22.9 U	2.6 U
Methylnaphthalene, 1-	2.8 U	3.5 U	14 UJ	1.2 U	2.9 UJ	1.2 U	1.2 UJ	5.8 UJ	2.9 UJ	1.2 U	2.3 UJ	NA	NA	NA	NA	NA	NA	NA
Methylnaphthalene, 2-	36 UJ	3.5 U	14 U	1.2 U	2.9 UJ	1.2 U	1.2 U	5.8 U	2.9 UJ	1.2 U	2.3 U	NA	NA	NA	NA	NA	NA	NA
Methylthiophene, 2-	2 U	2.4 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	1.6 U	NA	NA	NA	NA	NA	NA	NA
Methylthiophene, 3-	2 U	2.4 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	1.6 U	NA	NA	NA	NA	NA	NA	NA
Naphthalene	0.84 J	3.1 U	1.0 U	1.0 UJ	1.2	1.0 U	1.0 U	1.0 U	1.0 U	0.45 J	2.1 U	11	15.7 U	16.8 UJ	16.3 U	15.2 U	136.3 UJ	15.7 U
Nonane	0.66 J	3.1 U	1.0 U	1.0 U	0.89 J	0.63 J	1.0 U	1.0 U	1.0 U	0.31 J	2.1 U	NA	NA	NA	NA	NA	NA	NA
Octane, n-	2.3 U	2.8 U	0.93 U	0.93 U	180	17	0.93 U	0.93 U	0.93 U	11	1.9 U	NA	NA	NA	NA	NA	NA	NA
Pentane	0.78 J	1.8 U	0.59 U	0.59 UJ	0.41 J	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	1.1 J	NA	NA	NA	NA	NA	NA	NA
Propanol, 2-	6.6	1.5 U	0.49 U	1.2 U	1.2 UJ	0.49 U	0.49 U	1.2 U	1.2 U	1.6 U	2.8	7.4	7.4 U	36.9	9.3	7.1 U	172.1	7.4 U
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.7 U	3.7 U	3.9 U	6.9	3.6 U	32.4 U	12.3
Styrene	2.1 U	2.6 U	0.85 U	0.85 U	0.38 J	0.85 U	0.85 U	0.85 U	0.85 U	3.6	1.7 U	3.2 U	3.2 U	3.4 U	3.7	3.1 U	28.1 U	3.3
t-Butyl alcohol	1.2 J	0.55 J	0.61 U	0.61 U	0.73	0.61 U	0.61 U	0.61 U	0.61 U	0.27 J	1.6	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethane, 1,1,2,2-	3.4 U	4.1 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	2.7 U	5.2 U	5.2 U	5.4 U	5.4 U	5 U	45.3 U	5.1 U
Tetrachloroethene	1.1 J	1.2 J	1.4 U	1.4 U	1.1 J	5.5	0.47 J	1.4 U	1.4 U	1.4 U	2.7 U	8.1	21.7	5.4 U	10.2	7.5	44.8 U	23.7
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.2 U	2.2 U	2.3 U	2.3 U	2.2 U	19.5 U	2.2 U	
Tetramethylbenzene, 1,2,4,5-	1.9 J	3.3	0.38 J	1.3	2.8 J	0.66 J	1.1 U	1.1 U	2.7 U	1.1 U	2.2 U	NA	NA	NA	NA	NA	NA	NA
Thiophene	1.7 U	2.1 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	1.4 U	NA	NA	NA	NA	NA	NA	NA
Trans-1,2-dichloroethene	1.9 U	2.4 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	3 U	3 U	3.1 U	3.1 U	2.9 U	26.2 U	2.9 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.7 U	4.6 U	0.46 J	0.95 J	0.54 J	1.5 U	0.77 J	0.44 J	0.46 J	1.5 U	1.4 J	5.8 U	5.8 U	6.1 U	6 U	5.6 U	50.6 U	5.7 U
Trichlorobenzene, 1,2,4-	3.6 U	4.4 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.0 U	22.3 U	22.3 U	23.7 U	23 U	21.5 U	193 U	22.3 UJ
Trichloroethane, 1,1,1-	2.7 U	3.3 U	1.1 U	1.1 U	1.1 U	5.2	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	4.1 U	4.1 U	4.3 U	4.3 U	4 U	36 U	4 U
Trichloroethane, 1,1,2-	39	3.3 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	4.1 U	4.1 U	4.3 U	4.3 U	4 U	36 U	4 U
Trichloroethene	2.6 U	3.2 U	1.1 U	1.1 U	1.1 U	0.38 J	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	4.1 U	4.1 U	4.2 U	4.2 U	3.9 U	35.5 U	4 U
Trichlorofluoromethane	1.2 J	1.2 J	1.2	1.2	1.5	4.3	1.4	1.3	1.2	1.3	2.0 J	11.2	7.3	4.4 U	4.4 U	4.1 U	37.1 U	6.7
Trimethylbenzene, 1,2,3-	2.4 U	3.0 U	0.98 U	0.98 U	2.7	0.29 J	0.98 U	0.98 U	0.98 U	0.30 J	2.0 U	NA	NA	NA	NA	NA	NA	NA
Trimethylbenzene, 1,2,4-	2.4 U	3.0 U	0.98 U	0.98 U	0.69 J	0.59 J	0.98 U	0.98 U	0.98 U	0.87 J	2.0 U	9.8	6.9	3.9 U	32.4	5.4	32.4 U	59 J
Trimethylbenzene, 1,3,5-	2.4 U	3.0 U	0.98 U	0.98 U	1.4	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	2.0 U	3.7 U	3.7 U	3.9 U	12.3	3.6 U	32.4 U	15.7
Trimethylpentane, 2,2,4-	2.3 U	2.8 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	1.9 U	3.6 U	4.7	3.7 U	15.9	560.6	7475.2	1121.3
Undecane, n-	4.2	3.8 U	1.3 U	1.2 J	12	1.3 UJ	1.3 U	1.3 U	1.3 U	1.8	2.6 U	NA	NA	NA	NA	NA	NA	NA
Vinyl bromide	2.1 U	2.6 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	1.8 U	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	1.2 U	1.5 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	1.0 U	1.9 U	1.9 U	2 U	2 U	1.9 U	16.9 U	1.9 U
Other (%)																		
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NA	NA	NA	NA	NA	0.0255 U	0.301	0.19	0.022	0.074	0.049	NA	NA	NA	NA	NA	NA	NA

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG03 2/22/2007	OU2SG03 5/24/2007	OU2SG03 9/18/2007	OU2SG03 12/18/2007	OU2SG03 3/26/2008	OU2SG03 6/24/2008	OU2SG03 9/22/2008	OU2SG03 9/24/2008	OU2SG03 12/29/2008	OU2SG03 3/23/2009	OU2SG-03 6/17/2009	Duplicate of OU2SG-03 6/17/2009	OU2SG-03 9/22/2009	OU2SG04 5/5/2005	OU2SG04 8/30/2005	OU2SG04 2/1/2006	OU2SG04 6/14/2006
BTEX (ug/m3)																	
Benzene	1.4 U	1.3	1.7	0.64 U	0.64 U	0.22 J	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	1.2 U	3.8	2.5 U	7.7	15.7 U
Toluene	2.6	640	810	40	130	140	1.7	51	0.44 J	0.38 J	0.34 J	0.23 J	6.0	30.9	2.9 U	56.5	49
Ethylbenzene	0.74 J	5	5.6	0.69 J	1.8	2.0	0.43 J	0.65 J	0.87 U	0.87 U	0.87 U	0.87 U	11	7.8	3.4 U	14.3	21.3 U
Xylene, m,p-	2.9 J	15	17	2.9	7.3	6.4	1.1 J	2.8	1.7 U	1.7 U	1.7 U	1.7 U	27	29.1	3.5	36.9	24.8
Xylene, o-	1.0 J	4.6	5.3	1.3	3.0	4.8	0.48 J	3.5	0.87 U	0.87 U	0.87 U	0.87 U	6.1	10.4	3.4 U	9.1	21.3 U
Other VOCs (ug/m3)																	
Acetaldehyde	0.76 UJ	72 J	55	4.5 U	9.0	15	12 J	1.8 UJ	3.2 U	3.2 U	4.5 U	4.5 U	8.0 J	NA	NA	NA	NA
Acetone	8.6	62 J	7.0	1.0 U	6.6 J	7.4	0.47 UJ	2.3	2.4 U	1.8 U	2.0 U	1.8 U	4.8 U	356.3	19.7	76	546.4
Acrolein (propenal)	0.97 U	0.81 J	1.1 U	0.46 U	0.38 J	0.21 J	0.46 U	0.46 U	0.46 U	0.46 U	1.2 U	1.2 U	2.3 U	NA	NA	NA	NA
Allyl chloride	1.3 U	1.3 U	1.5 U	0.63 U	0.63 U	0.63 UJ	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	1.2 U	9.4 U	9.7 U	9.4 U	59.5 U
Benzoanthracene	12 UJ	5.5 U	32 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 UJ	2.7 U	1.1 U	1.1 U	2.2 U	NA	NA	NA	NA
Bromodichloromethane	2.8 U	2.7 U	3.1 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	2.7 U	5 U	5.2 U	5 U	32.8 U
Bromoform	4.4 U	4.2 U	4.8 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.1 U	7.6 U	8.1 U	7.6 U	50.6 U
Bromomethane	1.6 U	1.6 U	1.8 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	1.6 U	2.9 U	3 U	2.9 U	19 U
Butadiene, 1,3-	0.94 U	0.89 U	1.0 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.88 U	2.2	1.7 U	1.6 U	10.8 U
Butane	1.3	0.57 J	1.1 U	0.48 U	0.48 U	0.17 J	0.69	0.48 U	0.52	0.48 U	0.48 U	0.48 U	1.0	NA	NA	NA	NA
Butanone, 2-	1.2 J	7.6	1.4 U	0.59 U	1.5	1.2	2.0	0.59 U	0.59 U	0.59 U	0.59 U	0.27 J	0.88 J	25.4	2.3 U	8.8	17.1
Carbon disulfide	1.2 J	4.1 J	12	0.50 J	1.8	12	8.1	10	0.68	0.62 U	2.3 J	1.3 J	0.81 J	17.1	8.4	2.3 U	15.3 U
Carbon tetrachloride	2.7 U	2.5 UJ	2.9 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	2.5 U	4.7 U	4.9 U	4.7 U	30.8 U
Chlorobenzene	2.0 U	1.9 U	2.2 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	3.4 U	3.6 U	3.4 U	22.6 U
Chloroethane	1.1 U	1.1 U	1.2 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	1.0 U	2 U	2.1 U	2 U	12.9 U
Chloroform	0.62 J	2.2	0.68 J	0.34 J	0.89 J	1.8	4.2	1.6	0.85 J	0.78 J	0.77 J	0.87 J	0.59 J	3.6 U	3.8 U	3.6 U	23.9 U
Chloromethane	0.87 U	0.83 U	0.97 U	0.41 U	0.11 J	0.41 U	0.21 J	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.83 U	6.2 U	6.4 U	6.2 U	39.2 U
Chlorotoluene, 2-	2.2 U	2.1 U	2.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.1 U	NA	NA	NA	NA
Cryofluorane	3.0 U	2.8 U	3.3 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	2.8 U	5.2 U	5.5 U	5.2 U	34.3 U
Cyclohexane	1.5 U	67	140	1.3	17	36	1.5	31	2.0	2.9	0.31 J	0.27 J	1.4 U	2.5 U	2.7 U	2.5 U	16.9 U
Decane, n-	2.5 U	11	28	1.2 U	1.2 UJ	49	34	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.47 J	4.3	NA	NA	NA
Dibromochloromethane	3.6 U	3.4 U	4.0 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	3.4 U	6.3 U	6.6 U	6.3 U	41.7 U
Dibromoethane, 1,2-	3.3 U	3.1 U	3.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.1 U	5.7 U	6 U	5.7 U	37.6 U
Dichlorobenzene, 1,2-	2.6 U	2.4 U	2.8 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	2.4 U	4.4 U	4.7 U	4.4 U	29.5 U
Dichlorobenzene, 1,3-	2.6 U	2.4 U	2.8 U	1.2 U	1.2 U	4.8	0.54 J	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	2.4 U	4.4 U	4.7 U	4.4 U	29.5 U
Dichlorobenzene, 1,4-	2.6 UJ	1.9 J	1.4 J	0.42 J	0.99 J	0.90 J	0.42 J	0.84 J	1.2 U	1.2 U	0.65 J	0.68 J	2.4 U	4.4 U	4.7 U	4.4 U	29.5 U
Dichlorodifluoromethane	2.7	2.7	2.5	2.6	2.4	2.5	14	2.8	3.1	2.4	1.2	1.3	3.0	3.7 U	3.9 U	3.8	24.2 U
Dichloroethane, 1,1-	1.7 U	1.6 U	1.9 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	1.6 U	3 U	3.2 U	3 U	19.8 U
Dichloroethane, 1,2-	1.7 U	1.6 U	1.9 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 UJ	0.81 U	0.81 U	1.6 U	3 U	3.2 U	3 U	19.8 U
Dichloroethene, 1,1-	1.7 U	1.6 U	1.8 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	2.9 U	3.1 U	2.9 U	19.4 U
Dichloroethene, cis-1,2-	1.7 U	1.6 U	1.8 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	2.9 U	3.1 U	2.9 U	19.4 U
Dichloropropane, 1,2-	2.0 U	1.9 U	2.2 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	3.4 U	3.6 U	3.4 U	22.6 U
Dichloropropene, cis-1,3	1.9 U	1.8 U	2.1 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	1.8 U	3.4 U	3.5 U	3.4 U	22.2 U
Dichloropropene, trans-1,3	1.9 U	1.8 U	2.1 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	1.8 U	3.4 U	3.5 U	3.4 U	22.2 U
Dioxane, 1,4-	3.8 U	1.4 U	1.7 U	1.8 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 UJ	0.72 UJ	1.4 U	10.8 U	11.2 U	10.8 U	68.5 U
Dodecane, n-	0.74 J	23	1.8 J	1.0 J	2.9	37 J	13	2.8	1.4 U	0.56 J	0.52 J	2.4 J	2.8 UJ	NA	NA	NA	NA
Ethanol	15	5.7	19	2.4 U	2.5 J	0.94 J	9.9	0.56 J	1.9 U	0.79 J	1.9 U	1.9 U	3.8 U	105.5	5.8 U	26.4	114.9
Ethylthiophene, 2-	1.9 U	1.8 U	2.2 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	NA	NA	NA	NA

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG03 2/22/2007	OU2SG03 5/24/2007	OU2SG03 9/18/2007	OU2SG03 12/18/2007	OU2SG03 3/26/2008	OU2SG03 6/24/2008	OU2SG03 9/22/2008	OU2SG03 9/24/2008	OU2SG03 12/29/2008	OU2SG03 3/23/2009	OU2SG-03 6/17/2009	Duplicate of OU2SG-03 6/17/2009	OU2SG-03 9/22/2009	OU2SG04 5/5/2005	OU2SG04 8/30/2005	OU2SG04 2/1/2006	OU2SG04 6/14/2006
Ethyltoluene, p-	2.1 U	2 U	2.3 U	0.98 U	0.27 J	0.64 J	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	1.8 J	11.3	3.8 U	4.9 J	24.1 U
Heptane, n-	1.7 U	4.1	3.3	0.82 U	0.32 J	0.94 J	0.33 J	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	1.1 J	3.4	3.4	7.4	20.1 U
Hexachlorobutadiene	4.5 UJ	4.3 U	5.0 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.3 U	32 U	33.1 U	32 U	202.6 U
Hexane, n-	0.75 J	160	170	0.32 J	6.4	8.8	0.25 J	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.92 J	3.9	2.7 U	7.4	17.3 U
Hexanone, 2-	4.3 U	1.6 U	1.9 U	0.82 U	0.35 J	0.82 U	0.82 U	0.82 U	0.82 U	2.0 U	0.82 U	0.82 U	1.6 U	12.3 U	12.7 U	12.3 U	77.8 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	2.0 U	2 U	2.3 U	0.97 U	0.24 J	0.72 J	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.58 J	NA	NA	NA	NA
Indene	2.0 U	1.9 U	2.2 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	1.9 U	NA	NA	NA	NA
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.6 U	3.8 U	3.6 U	24.1 U
Methyl tert-butyl ether	1.5 U	1.5 U	1.7 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	1.4 U	2.7 U	2.8 U	2.7 U	17.7 U
Methyl-2-pentanone, 4-	1.7 U	2.5	1.9 U	0.82 U	0.82 U	0.82 U	0.82 U	0.74 J	0.82 U	0.82 U	0.82 U	0.82 U	1.6 U	3 U	3.2 U	3 U	20.1 U
Methylene chloride	28	24	12	0.69 U	1.7 U	1.7 U	5.5	0.69 U	1.7 U	1.7 U	1.7 U	1.7 U	3.4 U	2.6 U	2.7 U	2.6 U	17 U
Methylnaphthalene, 1-	31 U	29 U	14 U	14 UJ	1.2 U	2.9 UJ	1.2 U	1.2 UJ	5.8 UJ	2.9 UJ	1.2 U	1.2 U	2.3 UJ	NA	NA	NA	NA
Methylnaphthalene, 2-	31 U	12 U	34 U	14 U	1.2 U	2.9 UJ	1.2 U	1.2 U	5.8 U	2.9 UJ	1.2 U	1.2 U	2.3 U	NA	NA	NA	NA
Methylthiophene, 2-	1.7 U	1.6 U	1.9 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	1.6 U	NA	NA	NA	NA
Methylthiophene, 3-	1.7 U	1.6 U	1.9 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	1.6 U	NA	NA	NA	NA
Naphthalene	5.6 U	1.4 J	2.0 J	0.37 J	1.1 J	1.1	1.5	1.0 J	1.0 U	1.0 U	1.0 U	1.0 U	2.1 U	15.7 UJ	16.3 U	15.7 U	99.6 UJ
Nonane	0.78 J	3.1	1.8 J	1.0 U	1.0 U	0.84 J	0.58 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	12	NA	NA	NA	NA
Octane, n-	2.0 U	1.1 J	1.3 J	0.93 U	0.93 U	180	91	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	7.2	NA	NA	NA	NA
Pentane	1.2 U	1.2 U	1.4 U	0.59 U	0.59 UJ	0.50 J	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.94 J	NA	NA	NA	NA
Propanol, 2-	1.0	5.7	1.1 J	0.49 U	1.2 U	1.3 UJ	5.5 J	0.49 U	1.2 U	1.2 U	1.2 U	1.2 U	1.8 J	16.2	7.6 U	7.4 U	46.7 U
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.6 U	3.8 U	3.6 U	24.1 U
Styrene	1.8 U	1.7 U	0.60 J	0.85 U	0.36 J	0.72 J	0.26 J	0.26 J	0.85 U	0.85 U	0.85 U	0.85 U	1.7 U	3.2 U	3.3 U	3.2 U	20.9 U
t-Butyl alcohol	1.3 U	1.2 U	0.50 J	0.61 U	0.33 J	0.76	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	1.2 U	NA	NA	NA	NA
Tetrachloroethane, 1,1,2,2-	2.9 U	2.8 U	3.2 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	2.7 U	5.1 U	5.4 U	5.1 U	33.6 U
Tetrachloroethene	2.9 U	2.7 U	0.79 J	1.4 U	1.4 U	1.3 J	28	1.1 J	1.4 U	1.4 U	1.4 U	1.4 U	0.81 J	5 U	5.3 U	8.1	34.6
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.2 U	2.3 U	2.2 U	14.5 U
Tetramethylbenzene, 1,2,4,5-	2.3 U	3 J	4.0 J	1.3	3.4	1.1 U	0.49 J	4.8	1.1 U	2.7 U	1.1 U	1.1 U	2.2 U	NA	NA	NA	NA
Thiophene	1.5 U	1.4 U	1.6 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	1.4 U	NA	NA	NA	NA
Trans-1,2-dichloroethene	1.7 U	1.6 U	1.8 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	2.9 U	3.1 U	2.9 U	19.4 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.2 U	3.1 U	3.6 U	0.38 J	0.56 J	0.77 J	1.5 U	0.54 J	1.5 U	0.38 J	1.5 U	1.5 U	0.92 J	5.7 U	6 U	5.7 U	37.6 U
Trichlorobenzene, 1,2,4-	3.1 UJ	3 U	3.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.0 U	22.3 U	23 U	22.3 U	141 U
Trichloroethane, 1,1,1-	2.3 U	2.2 UJ	2.6 U	1.1 U	1.1 U	1.1 U	1.8	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	4 U	4.3 U	4 U	26.7 U
Trichloroethane, 1,1,2-	2.3 U	2.2 U	2.6 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	4 U	4.3 U	4 U	26.7 U
Trichloroethene	2.3 U	2.2 U	2.5 U	1.1 U	2.3	1.1 U	0.54 J	0.54 J	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	4 U	4.2 U	4 U	26.3 U
Trichlorofluoromethane	1.9 J	6.6	7.4	3.5	2.7	12	4.7	9.3	3.7	2.1	5.4	6.5	3.3 J	4.2 U	4.4 U	4.2 U	27.5 U
Trimethylbenzene, 1,2,3-	0.73 J	1.2 J	1.4 J	0.98 U	1.2	3.4	0.44 J	0.79 J	0.98 U	0.98 U	0.98 U	0.98 U	2.0 U	NA	NA	NA	NA
Trimethylbenzene, 1,2,4-	1.5 J	4.5 J	2.2 J	0.44 J	0.37 J	0.74 J	0.79 J	0.49 J	0.98 U	0.98 U	0.98 U	0.98 U	2.2	10.8	3.8 U	3.9	24.1 U
Trimethylbenzene, 1,3,5-	2.1 U	1.2 J	0.80 J	0.98 U	0.65 J	1.9	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	2.2	4	3.8 U	3.6 U	24.1 U
Trimethylpentane, 2,2,4-	2.0 U	1.9 U	2.2 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	1.9 U	3.5 U	3.6 U	794.2	5606.4
Undecane, n-	1.1 J	6.3	3.0 U	1.3 U	2.0	1.3 U	33	1.3 U	1.3 U	0.70 J	1.3 U	1.4	2.6 U	NA	NA	NA	NA
Vinyl bromide	1.8 U	1.8 U	2.0 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	1.8 U	NA	NA	NA	NA
Vinyl chloride	1.1 U	1 U	1.2 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	1.0 U	1.9 U	2 U	1.9 U	12.5 U
Other (%)																	
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NA	NA	NA	NA	NA	NA	0.014 U	0.025	0.05	0.0161 U	0.0177	0.0199	0.044	NA	NA	NA	NA

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG04 9/7/2006	OU2SG04 2/22/2007	OU2SG04 5/24/2007	OU2SG04 9/18/2007	OU2SG04 12/18/2007	OU2SG04 3/26/2008	OU2SG04 6/23/2008	OU2SG04 9/24/2008	OU2SG04 12/29/2008	OU2SG04 3/23/2009	OU2SG-04 6/17/2009	OU2SG-04 9/22/2009	OU2SG05 5/25/2005	OU2SG05 8/31/2005	OU2SG05 2/2/2006	OU2SG05 6/15/2006	OU2SG05 9/8/2006	OU2SG05 2/22/2007	
BTEX (ug/m3)																			
Benzene	11.8	1.3 U	2	2.7	0.22 J	0.23 J	0.26 J	0.64 U	0.64 U	0.64 U	0.64 U	1.2 U	5.4	10.2	5.4	11.5 U	11.8	2.7	
Toluene	105.5	2.6	720	760	31	74	130	0.79	4.0	0.75	0.23 J	1.5 U	16.2	45.2	30.9	35.4	113.1	42	
Ethylbenzene	27.8	0.97 J	10	9.4	0.43 J	0.92	1.6	0.87 U	0.87 U	0.87 U	0.87 U	1.7 U	3.3 U	11.3	6.9	15.6 U	21.3	2.6	
Xylene, m,p-	91.2	3.0 J	31	28	1.3 J	2.9	4.0	1.7 U	1.7 U	1.7 U	1.7 U	3.5 U	10	47.8	14.8	27.8	69.5	7.1	
Xylene, o-	26.1	1.1 J	9.9	8.4	0.52 J	1.8	1.7	0.87 U	0.87 U	0.87 U	0.87 U	1.7 U	3.3 U	16.5	4.8	15.6 U	18.7	2.5	
Other VOCs (ug/m3)																			
Acetaldehyde	NA	0.40 J	140 J	40	9.3 U	4.1 J	19	1.8 UJ	3.4 U	2.1 U	4.5 U	10	NA	NA	NA	NA	NA	2.8 J	
Acetone	228	8.3	40 J	7.9	7.6 U	2.5 U	6.2	1.7	2.7 U	1.8 U	1.8 U	8.1 UJ	180.5	178.2	33.3	261.3	156.8	22	
Acrolein (propenal)	NA	0.93 U	2.3 U	0.99 U	0.46 U	1.2 U	0.53	0.46 U	0.46 U	0.46 U	1.2 U	2.3 U	NA	NA	NA	NA	NA	1.0 U	
Allyl chloride	8.8 U	1.3 U	1.3 U	1.4 U	0.63 U	0.63 U	0.63 UJ	0.63 U	0.63 U	0.63 U	0.63 U	1.2 U	9.4 U	10 U	8.8 U	43.8 U	10.3 U	1.4 U	
Benzothiophene	NA	11 UJ	5.5 U	30 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.7 U	1.1 U	2.2 U	NA	NA	NA	NA	12 UJ	
Bromodichloromethane	4.7 U	2.7 U	2.7 U	2.9 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	2.7 U	5.1 U	5.4 U	4.7 U	24.1 U	5.5 U	3.0 U	
Bromoform	7.2 U	4.2 U	4.2 U	4.5 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.1 U	7.9 U	8.3 U	7.2 U	37.2 U	8.5 U	4.6 U	
Bromomethane	2.7 U	1.6 U	1.6 U	1.7 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	1.6 U	3 U	3.1 U	2.7 U	14 U	3.2 U	1.7 U	
Butadiene, 1,3-	7.5	0.90 U	0.89 U	0.95 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.88 U	1.7 U	6	4	8 U	3.1	0.98 U	
Butane	NA	2.2	0.95 U	1.0 U	0.48 U	0.71	0.59	0.93	0.43 J	0.40 J	0.48 U	0.95 U	NA	NA	NA	NA	NA	16	
Butanone, 2-	17.1	1.2 J	4.7	1.3 U	1.9	1.5 U	1.5	0.59 U	0.59 U	0.59 U	0.59 U	2.4	28	19.2	4.7 J	12.1	20.6	3.1 J	
Carbon disulfide	14.9	1.7	2.5 J	5.4	0.75	1.4	4.2	2.1	0.39 J	0.62 U	2.5	1.9	2.4 U	9.7	3.7	11.2 U	4.7	11	
Carbon tetrachloride	4.4 U	2.6 U	2.5 UJ	2.7 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	2.5 U	4.8 U	5 U	4.4 U	22.6 U	5.2 U	2.8 U	
Chlorobenzene	3.2 U	1.9 U	1.8 U	2.0 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	3.5 U	3.7 U	3.2 U	16.6 U	3.8 U	2.0 U	
Chloroethane	1.8 U	1.1 U	1.1 U	1.1 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	1.0 U	2 U	2.1 U	1.8 U	9.5 U	2.2 U	1.2 U	
Chloroform	3.4 U	2.0 U	2 U	1.3 J	0.34 J	0.43 J	1.0	1.5	0.28 J	0.59 J	0.64 J	0.59 J	3.7 U	8.8	3.4 U	17.6 U	6.8	2.7	
Chloromethane	5.8 U	0.84 U	0.83 U	0.89 U	0.41 U	0.41 U	0.41 U	0.41 U	0.24 J	0.41 U	0.41 U	1.2 U	6.2 U	6.6 U	5.8 U	28.9 U	6.8 U	1.5 J	
Chlorotoluene, 2-	NA	2.1 U	2.1 U	2.2 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.1 U	NA	NA	NA	NA	NA	2.3 U	
Cryofluorane	4.9 U	2.8 U	2.8 U	3.0 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	2.8 U	5.3 U	5.6 U	4.9 U	25.2 U	5.7 U	3.1 U	
Cyclohexane	2.4 U	1.4 U	66	160	11	72	78	2.8	9.7	15	0.69 U	1.4 U	213.4	2.8 U	2.4 U	12.4 U	2.8 U	15	
Decane, n-	NA	2.4 U	7.8	2.5 U	1.2 U	1.2 UJ	62	1.2 U	1.2 U	1.2 U	1.2 U	2.3 U	NA	NA	NA	NA	NA	0.90 J	
Dibromochloromethane	6 U	3.5 U	3.4 U	3.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	3.4 U	6.5 U	6.8 U	6 U	30.7 U	7 U	3.8 U	
Dibromoethane, 1,2-	5.4 U	3.1 U	3.1 U	3.3 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.1 U	5.8 U	6.1 U	5.4 U	27.7 U	6.3 U	3.4 U	
Dichlorobenzene, 1,2-	4.2 U	2.4 U	2.4 U	2.6 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	2.4 U	4.6 U	4.8 U	4.2 U	21.6 U	4.9 U	2.7 U	
Dichlorobenzene, 1,3-	4.2 U	2.4 U	2.4 U	2.6 U	1.2 U	1.2 U	5.6	1.2 U	1.2 U	1.2 U	1.2 U	2.4 U	4.6 U	4.8 U	4.2 U	21.6 U	4.9 U	2.7 U	
Dichlorobenzene, 1,4-	4.2 U	2.4 UJ	1.4 J	0.91 J	1.2 U	0.53 J	0.60 J	1.2 U	1.2 U	1.2 U	0.43 J	2.4 U	4.6 U	4.8 U	4.2 U	21.6 U	4.9 U	2.7 UJ	
Dichlorodifluoromethane	3.5 U	2.7	2.7	2.7	2.6	1.9	2.1	2.7	2.9	2.4	1.2	2.6	3.8 U	4 U	3.5 U	17.8 U	4.1 U	2.6	
Dichloroethane, 1,1-	2.8 U	1.6 U	1.6 U	1.8 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	1.6 U	3.1 U	3.2 U	2.8 U	14.6 U	3.3 U	1.8 U	
Dichloroethane, 1,2-	2.8 U	1.6 U	1.2 J	1.8 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 UJ	0.81 U	1.6 U	3.1 U	3.2 U	2.8 U	14.6 U	3.3 U	1.8 U	
Dichloroethene, 1,1-	2.8 U	1.6 U	1.6 U	1.7 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	3 U	3.2 U	2.8 U	14.3 U	3.3 U	1.8 U	
Dichloroethene, cis-1,2-	2.8 U	1.6 U	1.6 U	1.7 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.83	0.79 U	1.6 U	3 U	3.2 U	2.8 U	14.3 U	3.3 U	1.8 U
Dichloropropane, 1,2-	3.2 U	1.9 U	1.9 U	2.0 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	3.5 U	3.7 U	3.2 U	16.6 U	3.8 U	2.0 U	
Dichloropropene, cis-1,3	3.2 U	1.8 U	1.8 U	2.0 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	1.8 U	3.4 U	3.6 U	3.2 U	16.3 U	3.7 U	2.0 U	
Dichloropropene, trans-1,3	3.2 U	1.8 U	1.8 U	2.0 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	1.8 U	3.4 U	3.6 U	3.2 U	16.3 U	3.7 U	2.0 U	
Dioxane, 1,4-	10.1 U	3.6 U	1.4 U	1.6 U	1.8 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 UJ	1.4 U	10.8 U	11.5 U	10.1 U	50.4 U	11.9 U	4.0 U	
Dodecane, n-	NA	2.8 U	13	1.6 J	0.77 J	1.4 J	37 J	0.35 J	1.4 U	3.5 U	0.77 J	1.1 J	NA	NA	NA	NA	NA	3.1 U	
Ethanol	41.5	20	290	140	8.7 U	1.4 J	1.3 J	1.9 U	0.68 J	0.60 J	2.1 U	3.8 U	49	30.1	35.8	69.7	58.4	56	
Ethylthiophene, 2-	NA	1.9 U	1.8 U	2.0 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	NA	NA	NA	NA	NA	2.0 U	

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG04 9/7/2006	OU2SG04 2/22/2007	OU2SG04 5/24/2007	OU2SG04 9/18/2007	OU2SG04 12/18/2007	OU2SG04 3/26/2008	OU2SG04 6/23/2008	OU2SG04 9/24/2008	OU2SG04 12/29/2008	OU2SG04 3/23/2009	OU2SG-04 6/17/2009	OU2SG-04 9/22/2009	OU2SG05 5/25/2005	OU2SG05 8/31/2005	OU2SG05 2/2/2006	OU2SG05 6/15/2006	OU2SG05 9/8/2006	OU2SG05 2/22/2007
Ethyltoluene, p-	35.4	2.0 U	1.8 J	1.2 J	0.98 U	0.52 J	0.69 J	0.98 U	0.98 U	0.98 U	0.98 U	2.0 U	3.7 U	16.7	3.4 U	17.7 U	20.2	0.55 J
Heptane, n-	9.8	1.7 U	6.2	6.5	0.49 J	1.6	2.4 J	0.82 U	0.82 U	1.4	0.82 U	1.6 U	225.4	16.4	3.5	14.8 U	10.2	2.6
Hexachlorobutadiene	29.9 UJ	4.3 UJ	4.3 U	4.6 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.3 U	32 U	34.1 U	29.9 U	149.3 U	35.2 UJ	4.7 UJ
Hexane, n-	10.6	1.8	260	420	8.5	40	56	0.70 U	2.3	0.70 U	0.70 U	1.4 U	4.2 J	15.2	6.3	12.7 U	10.6	62
Hexanone, 2-	11.5 U	4.2 U	1.6 U	1.8 U	0.33 J	0.82 U	0.82 U	0.82 U	0.82 U	2.0 U	0.82 U	1.6 U	12.3 U	13.1 U	11.5 U	57.4 U	13.5 U	4.5 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	13.5 U	2.0 U	0.99 J	0.73 J	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	1.9 U	NA	NA	NA	NA	16 U	0.54 J
Indene	13.3 U	1.9 U	1.9 U	2.0 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	1.9 U	NA	NA	NA	NA	15.7 U	2.1 U
Isopropyl benzene	3.4 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.7 U	3.9 U	3.4 U	17.7 U	4 U	NA
Methyl tert-butyl ether	2.5 U	1.5 U	1.4 U	1.6 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	1.4 U	3	4.3	2.5 U	13 U	3 U	1.6 U
Methyl-2-pentanone, 4-	2.9 U	1.7 U	2.9	1.8 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	1.6 U	3.1 U	3.3 U	2.9 U	14.7 U	3.4 U	1.8 U
Methylene chloride	2.4 U	23	20	10	0.69 U	1.7 U	1.7 U	0.76 U	1.0 U	1.7 U	1.7 U	3.5 U	2.6 U	2.8 U	2.4 U	12.5 U	2.8 U	27 J
Methylnaphthalene, 1-	NA	30 U	29 U	13 U	14 UJ	1.2 U	2.9 UJ	1.2 UJ	5.8 UJ	2.9 UJ	1.2 U	2.3 UJ	NA	NA	NA	NA	NA	32 U
Methylnaphthalene, 2-	NA	30 U	12 U	31 U	14 U	1.2 U	2.9 UJ	1.2 U	5.8 U	2.9 UJ	1.2 U	2.3 U	NA	NA	NA	NA	NA	32 U
Methylthiophene, 2-	NA	1.6 U	1.6 U	1.7 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	1.6 U	NA	NA	NA	NA	NA	1.8 U
Methylthiophene, 3-	NA	1.6 U	1.6 U	1.7 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	1.6 U	NA	NA	NA	NA	NA	1.8 U
Naphthalene	14.7 U	5.3 U	2.1 U	1.1 J	1.0 U	1.0 UJ	1.1	1.0 U	1.0 U	1.0 U	1.0 U	2.1 U	15.7 U	16.8 U	14.7 U	73.4 UJ	17.3 U	5.8 U
Nonane	NA	0.53 J	3.1	2.5	1.0 U	0.40 J	1.2	1.0 U	1.0 U	1.0 U	1.0 U	2.1 U	NA	NA	NA	NA	NA	1.3 J
Octane, n-	NA	1.9 U	1.6 J	1.5 J	0.93 U	0.34 J	230	0.93 U	0.93 U	0.93 U	0.93 U	1.9 U	NA	NA	NA	NA	NA	1.2 J
Pentane	NA	1.1 J	1.2 U	0.64 J	0.59 U	0.59 UJ	0.97	0.59 U	0.40 J	0.59 U	0.59 U	1.2 U	NA	NA	NA	NA	NA	9.4
Propanol, 2-	6.9 U	1.0 J	1.9 J	0.95 J	1.1 J	1.2 U	1.2 UJ	0.49 U	1.2 U	1.2 U	1.2 U	1.6 J	7.4 U	7.9 U	6.9 U	90.9	8.1 U	2.7
Propylbenzene, n-	8.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.7 U	3.9 U	3.4 U	17.7 U	5.4	NA
Styrene	3 U	1.7 U	1.7 U	1.8 U	0.85 U	0.85 U	0.55 J	0.85 U	0.85 U	0.85 U	0.85 U	1.7 U	3.2 U	3.4 U	3 U	15.3 U	3.5 U	1.9 U
t-Butyl alcohol	NA	1.2 U	1.2 U	1.0 J	0.61 U	0.24 J	0.88	0.61 U	0.61 U	0.61 U	0.61 U	0.36 J	NA	NA	NA	NA	NA	1.3 U
Tetrachloroethane, 1,1,2,2-	4.8 U	2.8 U	2.8 U	3.0 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	2.7 U	5.2 U	5.5 U	4.8 U	24.7 U	5.6 U	3.0 U
Tetrachloroethene	19	2.8 U	6.7	5.7	1.8	2.7	3.3	2.9	0.98 J	3.2	3.1 U	1.1 J	32.6	5.9	5.4	27.8	14.9	0.90 J
Tetrahydrofuran	2.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.2 U	2.4 U	2.1 U	10.6 U	2.4 U	NA
Tetramethylbenzene, 1,2,4,5-	NA	2.2 U	2.6 J	3.0 J	0.99 J	3.4	2.7 J	1.1 U	1.1 U	2.7 U	1.1 U	2.2 U	NA	NA	NA	NA	NA	2.4 U
Thiophene	NA	1.4 U	1.4 U	1.5 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	1.4 U	NA	NA	NA	NA	NA	1.5 U
Trans-1,2-dichloroethene	2.8 U	1.6 U	1.6 U	1.7 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	3 U	3.2 U	2.8 U	14.3 U	3.3 U	1.8 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	5.4 U	0.78 J	3.1 U	3.3 U	0.54 J	0.58 J	0.54 J	0.46 J	0.59 J	0.46 J	1.5 U	1.1 J	5.8 U	6.1 U	5.4 U	27.6 U	6.3 U	3.4 U
Trichlorobenzene, 1,2,4-	20.8 UJ	3.0 UJ	3 U	3.2 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.0 U	22.3 U	23.7 U	20.8 U	103.9 U	24.5 UJ	3.3 UJ
Trichloroethane, 1,1,1-	3.8 U	2.2 U	2.2 UJ	2.4 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	4.1 U	4.4 U	3.8 U	19.6 U	4.5 U	2.4 U
Trichloroethane, 1,1,2-	3.8 U	2.2 U	2.2 U	2.4 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	4.1 U	4.4 U	3.8 U	19.6 U	4.5 U	2.4 U
Trichloroethene	3.8 U	2.2 U	2.2 U	2.3 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	4.1 U	4.3 U	3.8 U	19.3 U	4.4 U	2.4 U
Trichlorofluoromethane	3.9 U	1.2 J	1.9 J	1.7 J	1.4	1.1 J	1.5	1.6	1.5	1.2	1.4	2.0 J	4.3 U	4.5 U	3.9 U	20.2 U	4.6 U	1.7 J
Trimethylbenzene, 1,2,3-	NA	0.70 J	1.7 J	1.4 J	0.98 U	0.36 J	3.4	0.98 U	0.98 U	0.98 U	0.98 U	2.0 U	NA	NA	NA	NA	NA	0.98 J
Trimethylbenzene, 1,2,4-	43.3 J	1.7 J	8.1 J	3.5	0.54 J	0.48 J	1.1	0.98 U	0.98 U	0.98 U	0.98 U	2.0 U	3.7 U	15.7	3.4 U	17.7 U	21.6 J	2.2
Trimethylbenzene, 1,3,5-	10.8	2.0 U	2.3	1.5 J	0.98 U	0.57 J	1.8	0.98 U	0.98 U	0.98 U	0.98 U	2.0 U	3.7 U	5.9	3.4 UJ	17.7 U	5.4	0.76 J
Trimethylpentane, 2,2,4-	981.1	1.9 U	1.1 J	1.1 J	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	1.9 U	3.6 U	15.4	462.5	4111.4	607.4	3.7 J
Undecane, n-	NA	2.6 U	4.7	2.8 U	2.7	5.4	11	1.3 U	1.3 U	0.45 J	1.3 U	2.6 U	NA	NA	NA	NA	NA	2.8 U
Vinyl bromide	NA	1.8 U	1.8 U	1.9 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	1.8 U	NA	NA	NA	NA	NA	1.9 U
Vinyl chloride	1.8 U	1.0 U	1 U	1.1 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	1.0 U	1.9 U	2 U	1.8 U	9.2 U	2.1 U	1.1 U
Other (%)																		
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NA	NA	NA	NA	NA	NA	0.0177 U	0.037	0.037	0.0176 U	0.0176	0.046	NA	NA	NA	NA	NA	NA

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Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG05 6/14/2007	OU2SG05 7/25/2007	OU2SG05 9/19/2007	OU2SG05 12/19/2007	OU2SG05 3/27/2008	OU2SG05 6/23/2008	OU2SG05 9/22/2008	OU2SG05 12/29/2008	OU2SG05 3/31/2009	OU2SG-05 6/17/2009	OU2SG-05 9/23/2009	OU2SG06 5/5/2005	OU2SG06 8/30/2005	OU2SG06 2/2/2006	OU2SG06 6/14/2006	OU2SG06 9/7/2006	OU2SG06 2/21/2007	OU2SG06 6/13/2007
BTEX (ug/m3)																		
Benzene	1.3 U	1.5 UJ	0.56 J	0.41 J	0.19 J	0.51 J	0.64 U	0.64 U	0.64 U	0.64 U	1.3 U	6.4	8.9	7	13.4 U	11.5	0.65 J	1.3 U
Toluene	44	21	1.6 J	1.9	0.62 J	8.4	0.34 J	0.23 J	0.72 J	0.76	1.5 U	37.7	101.7	75.4	36.2	128.1	4.9	73
Ethylbenzene	1.7 U	2 U	1.9 U	0.87 U	0.87 U	0.39 J	0.87 U	0.87 U	0.87 U	0.87 U	1.7 U	8.3	30	16.5	18.2 U	30.8	2.0	1.1 J
Xylene, m,p-	1.4 J	1.1 J	3.8 U	1.7 U	1.7 U	1.4 J	1.7 U	1.7 U	1.7 U	1.7 U	3.5 U	31.3	125.9	60.8	19.1	108.6	5.5	13
Xylene, o-	1.7 U	1.2 J	1.9 U	0.87 U	0.87 U	0.78 J	0.87 U	0.87 U	0.87 U	0.87 U	1.7 U	10.9	42.1	14.8	18.2 U	29.5	2.5	7.3
Other VOCs (ug/m3)																		
Acetaldehyde	96	44	24	1.8 U	4.5 U	16	3.2 J	4.5 UJ	3.6 U	4.5 U	3.8 J	NA	NA	NA	NA	NA	4.0 J	260
Acetone	8.1	16 J	4.9	5.2 U	2.6 U	8.1	2.2	1.4 U	1.8 U	7.5 U	4.8 U	831.4 EJ	201.9	71.3	451.3	235.2	12	15
Acrolein (propenal)	0.91 UJ	1.1 U	1.0 U	0.46 U	1.2 U	0.62	0.46 U	0.46 U	0.46 U	1.2 U	2.3 U	NA	NA	NA	NA	NA	0.93 U	1.5 J
Allyl chloride	1.2 U	1.5 U	1.4 U	0.63 U	0.63 U	0.63 UJ	0.63 U	0.63 U	0.63 U	0.63 U	1.2 U	9.1 U	9.4 U	9.4 U	53.2 U	9.4 U	1.3 U	1.3 U
Benzothiophene	2.2 J	2.6 U	2.4 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Bromodichloromethane	2.7 U	3.1 U	3.0 U	1.3 U	1.3 U	1.3 U	0.74 J	1.3 U	1.3 U	0.44 J	2.7 U	4.9 U	5 U	5 U	28.1 U	5.1 U	2.7 U	2.7 U
Bromoform	4.1 U	4.8 U	4.6 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.1 U	7.5 U	7.6 U	7.6 U	43.4 U	7.9 U	4.2 U	4.2 U
Bromomethane	1.5 U	1.8 U	1.7 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	1.6 U	2.8 U	2.9 U	2.9 U	16.3 U	3 U	1.6 U	1.6 U
Butadiene, 1,3-	0.88 U	1 U	0.98 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.88 U	4.4	1.6 U	3.1	9.3 U	5.8	0.90 U	0.9 U
Butane	0.52 J	2.1	1.0 U	6.4	2.1	0.36 J	0.69	1.2	0.55	0.43 J	0.95 U	NA	NA	NA	NA	NA	22	0.96 U
Butanone, 2-	2.7 J	1.9	1.6	0.59 U	0.24 J	1.7	0.38 J	0.59 U	0.59 U	0.59 U	1.2 U	29.5	10	6.2 J	18.9	13.9	1.9 J	1.2 UJ
Carbon disulfide	6.7 J	7.6	2.2	1.0	0.56 J	23	2.2	0.41 J	0.84 U	2.6	1.2	2.3	2.3 U	2.3 U	13.1 U	3.1	0.89 J	9.8 J
Carbon tetrachloride	2.5 U	2.9 UJ	2.8 U	1.3 U	0.36 J	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	2.5 U	4.6 U	4.7 U	4.7 U	26.4 U	4.8 U	2.6 U	2.6 U
Chlorobenzene	1.8 U	2.2 U	2.0 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	3.4 U	3.4 U	3.4 U	19.3 U	3.5 U	1.9 U	1.9 U
Chloroethane	1 U	1.2 U	1.2 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	1.0 U	1.9 U	2 U	2 U	11.1 U	2 U	1.1 U	1.1 U
Chloroform	10	19	6.9	1.9	1.6	9.2	9.8	1.3	1.6	5.9	3.0	3.6 U	3.6 U	3.6 U	20.5 U	3.7 U	1.8 J	2 U
Chloromethane	0.46 J	0.62 J	0.91 U	0.41 U	0.14 J	0.41 U	0.41 U	0.26 J	0.23 J	0.41 UJ	0.83 UJ	6 U	6.2 U	6.2 U	35.1 U	6.2 U	0.84 U	0.84 U
Chlorotoluene, 2-	2.1 U	2.4 U	2.3 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.1 U	NA	NA	NA	NA	NA	2.1 U	2.1 U
Cryofluorane	2.8 U	3.3 U	3.1 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	2.8 U	5.1 U	5.2 U	5.2 U	29.4 U	5.3 U	2.8 U	2.8 U
Cyclohexane	11	4.6	1.5 U	0.93	0.62 J	2.1	0.34 J	0.69 U	0.69 U	0.24 J	1.4 U	2.5 U	6.9	2.5 U	14.5 U	2.6 U	0.91 J	200
Decane, n-	1.6 J	2.7 U	2.6 U	1.2 U	1.2 U	48	1.2 U	1.2 U	1.2 U	1.2 U	2.3 U	NA	NA	NA	NA	NA	1.2 J	22
Dibromochloromethane	3.4 U	4 U	3.8 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	3.4 U	6.2 U	6.3 U	6.3 U	35.8 U	6.5 U	3.5 U	3.5 U
Dibromoethane, 1,2-	3.1 U	3.6 U	3.4 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.1 U	5.6 U	5.7 U	5.7 U	32.3 U	5.8 U	3.1 U	3.1 U
Dichlorobenzene, 1,2-	2.4 U	2.8 U	2.7 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	2.4 U	4.4 U	4.4 U	4.4 U	25.3 U	4.6 U	2.4 U	2.4 U
Dichlorobenzene, 1,3-	2.4 U	2.8 U	2.7 U	1.2 U	1.2 U	4.3	1.2 U	1.2 U	1.2 U	1.2 U	2.4 U	4.4 U	4.4 U	4.4 U	25.3 U	4.6 U	2.4 U	2.4 U
Dichlorobenzene, 1,4-	1.3 J	1.8 J	2.7 U	1.2 U	1.2 U	0.36 J	1.2 U	1.2 U	1.2 U	1.2 U	2.4 U	4.4 U	4.4 U	4.4 U	25.3 U	4.6 U	2.4 UJ	2.4 U
Dichlorodifluoromethane	2.5	3.1	2.7	2.7	2.2	2.7	2.8	2.3	2.9	2.5	2.7	3.6 U	3.7 U	3.7 U	20.8 U	3.8 U	2.4	3
Dichloroethane, 1,1-	1.6 U	1.9 U	1.8 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	1.6 U	3 U	3 U	3 U	17 U	3.1 U	1.6 U	1.6 U
Dichloroethane, 1,2-	1.6 U	1.9 U	1.8 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	1.6 U	3 U	3 U	3 U	17 U	3.1 U	1.6 U	1.6 U
Dichloroethene, 1,1-	1.6 U	1.8 U	1.8 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	2.9 U	2.9 U	2.9 U	16.7 U	3 U	1.6 U	1.6 U
Dichloroethene, cis-1,2-	1.6 U	1.8 U	1.8 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	2.9 U	2.9 U	2.9 U	16.7 U	3 U	1.6 U	1.6 U
Dichloropropane, 1,2-	1.8 U	2.2 U	2.0 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	3.4 U	3.4 U	3.4 U	19.4 U	3.5 U	1.9 U	1.9 U
Dichloropropene, cis-1,3	1.8 U	2.1 U	2.0 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	1.8 U	3.3 U	3.4 U	3.4 U	19.1 U	3.4 U	1.8 U	1.8 U
Dichloropropene, trans-1,3	1.8 U	2.1 U	2.0 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	1.8 U	3.3 U	3.4 U	3.4 U	19.1 U	3.4 U	1.8 U	1.8 U
Dioxane, 1,4-	3.6 U	1.7 U	1.6 U	1.8 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	1.4 U	10.5 U	10.8 U	10.8 U	61.3 U	10.8 U	3.7 U	3.6 U
Dodecane, n-	8.6 J	2.5 J	3.1 U	0.42 J	0.41 J	34 J	0.35 J	1.4 UJ	1.4 U	0.65 J	1.2 J	NA	NA	NA	NA	NA	1.1 J	9.2
Ethanol	4.6	13	10	2.9 U	1.1 J	2.6	1.1 J	0.54 J	1.9 U	3.3 U	3.8 U	156.4	26.4	12.2	98	30.1	37	9
Ethylthiophene, 2-	1.8 U	2.2 U	2.0 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	NA	NA	NA	NA	NA	1.9 U	1.9 U

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG05 6/14/2007	OU2SG05 7/25/2007	OU2SG05 9/19/2007	OU2SG05 12/19/2007	OU2SG05 3/27/2008	OU2SG05 6/23/2008	OU2SG05 9/22/2008	OU2SG05 12/29/2008	OU2SG05 3/31/2009	OU2SG-05 6/17/2009	OU2SG-05 9/23/2009	OU2SG06 5/5/2005	OU2SG06 8/30/2005	OU2SG06 2/2/2006	OU2SG06 6/14/2006	OU2SG06 9/7/2006	OU2SG06 2/21/2007	OU2SG06 6/13/2007
Ethyltoluene, p-	2 U	2.3 U	2.2 U	0.98 U	0.98 U	0.39 J	0.98 U	0.98 U	0.98 U	0.98 U	2.0 U	9.3	54.1	11.3	20.6 U	43.8	0.80 J	2 U
Heptane, n-	1.6 U	1.9 U	1.8 U	0.29 J	0.82 U	0.61 J	0.82 U	0.82 U	0.82 U	0.82 U	1.6 U	5.3	12.3	3 U	17.2 U	10.7	0.67 J	2.7
Hexachlorobutadiene	4.1 J	5 U	4.7 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.3 U	30.9 U	32 U	32 U	181.3 U	32 UJ	4.4 UJ	4.3 U
Hexane, n-	3.8	3.1	4.6	0.28 J	0.24 J	0.39 J	0.70 U	0.70 U	0.70 U	0.70 U	1.4 U	6.7	10.9	7.8	14.8 U	10.6	1.9	300
Hexanone, 2-	1.6 U	1.9 U	1.8 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	1.6 U	11.9 U	12.3 U	12.3 U	69.6 U	12.3 U	4.2 U	1.7 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	1.9 U	2.3 U	2.1 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	1.9 U	NA	NA	NA	NA	14.5 U	0.69 J	2 U
Indene	1.9 U	2.2 U	2.1 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	1.9 U	NA	NA	NA	NA	14.3 U	1.9 U	1.9 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.6 U	4.9	3.6 U	20.6 U	3.7 U	NA	NA
Methyl tert-butyl ether	1.4 U	1.7 U	1.6 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	1.4 U	2.6 U	23.8	2.7 U	15.1 U	2.7 U	1.5 U	1.5 U
Methyl-2-pentanone, 4-	1.6 U	1.9 U	1.8 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	1.6 U	3 U	3 U	3 U	17.2 U	3.1 U	0.67 J	1.7 U
Methylene chloride	7	1.9	9.5	0.69 U	0.35 J	2.1 U	1.5 U	1.7 U	1.7 U	1.7 U	3.5 U	2.5 U	2.6 U	2.6 U	14.6 U	2.6 U	3.5 J	8
Methylnaphthalene, 1-	3 J	2.7 U	2.6 U	14 U	1.2 U	2.9 UJ	1.2 U	R	5.8 U	1.2 U	2.3 UJ	NA	NA	NA	NA	NA	30 U	1.2 J
Methylnaphthalene, 2-	3.2 J	34 U	2.6 U	14 UJ	1.2 U	2.9 UJ	1.2 U	14 UJ	5.8 U	1.2 U	2.3 U	NA	NA	NA	NA	NA	30 U	2.2 J
Methylthiophene, 2-	1.6 U	1.9 U	1.8 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	1.6 U	NA	NA	NA	NA	NA	1.6 U	1.6 U
Methylthiophene, 3-	1.6 U	1.9 U	1.8 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	1.6 U	NA	NA	NA	NA	NA	1.6 U	1.6 U
Naphthalene	2.7	2.4 U	2.3 U	1.0 U	1.0 U	1.1	1.0 U	1.0 UJ	1.0 U	1.0 U	2.1 U	15.2 UJ	15.7 U	15.7 U	89.1 UJ	15.7 U	5.3 U	1.2 J
Nonane	2.1 U	2.4 U	2.3 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	2.1 U	NA	NA	NA	NA	NA	1.1 J	2.1 U
Octane, n-	1.9 U	2.2 U	2.1 U	0.93 U	0.93 U	200	0.75 J	0.93 U	0.93 U	0.93 U	1.9 U	NA	NA	NA	NA	NA	0.67 J	1.9 U
Pentane	1.2 U	3.6	0.52 J	1.7	0.86	0.80	0.59 U	0.45 J	0.59 U	0.31 J	1.2 U	NA	NA	NA	NA	NA	3.2	1.2 U
Propanol, 2-	4.9 U	15 J	0.76 J	0.49 U	0.38 J	1.2 UJ	0.49 U	0.44 J	0.52 U	1.2 U	1.6 J	16.2	7.4 U	7.4 U	41.8 U	7.4 U	2.4	2.5 J
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.6 U	10.8	3.6 U	20.6 U	10.8	NA	NA
Styrene	1.7 U	2 U	1.9 U	0.85 U	0.85 U	0.43 J	0.85 U	0.85 U	0.85 U	0.85 U	1.7 U	3.1 U	4.1	3.2 U	17.9 U	3.2 U	1.7 U	1.7 U
t-Butyl alcohol	1.2	0.83 J	1.3 U	0.61 U	0.61 U	1.7 J	0.61 U	0.61 U	0.61 U	0.61 U	1.2 U	NA	NA	NA	NA	NA	1.2 U	1.4
Tetrachloroethane, 1,1,2,2-	2.7 U	3.2 U	3.0 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	2.7 U	5 U	5.1 U	5.1 U	28.8 U	5.2 U	2.8 U	2.8 U
Tetrachloroethene	2.4 J	1.8 J	1.4 J	0.41 J	0.49 J	16	1.8	1.4 U	0.34 J	1.4 U	1.5 J	5	12.2	16.3	32.6	24.4	0.83 J	2.4 J
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.2 U	2.2 U	2.2 J	12.4 U	2.2 U	NA	NA
Tetramethylbenzene, 1,2,4,5-	5.2	2.4 J	2.4 U	1.1 U	1.1 U	2.1 J	1.1 U	1.1 U	5.5 U	1.1 U	2.2 U	NA	NA	NA	NA	NA	2.2 U	4
Thiophene	1.4 U	1.6 UJ	1.5 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	1.4 U	NA	NA	NA	NA	NA	1.4 U	1.4 U
Trans-1,2-dichloroethene	1.6 U	1.8 U	1.8 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	2.9 U	2.9 U	2.9 U	16.7 U	3 U	1.6 U	1.6 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3 U	3.6 U	3.4 U	0.54 J	1.5 U	0.61 J	0.54 J	0.59 J	0.61 J	1.5 U	0.92 J	5.6 U	5.7 U	5.7 U	32.2 U	5.8 U	3.1 U	3.1 U
Trichlorobenzene, 1,2,4-	3.3	3.5 U	3.3 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 UJ	1.5 U	1.5 U	3.0 U	21.5 U	22.3 U	22.3 U	126.2 U	22.3 UJ	3.0 UJ	3 U
Trichloroethane, 1,1,1-	2.2 U	2.6 U	2.4 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	4 U	4 U	4 U	22.9 U	4.1 U	2.2 U	2.2 U
Trichloroethane, 1,1,2-	2.2 U	2.6 U	2.4 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	4 U	4 U	4 U	22.9 U	4.1 U	2.2 U	2.2 U
Trichloroethene	2.1 U	2.5 U	2.4 U	0.32 J	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	3.9 U	4 U	4 U	22.6 U	4.1 U	2.2 U	2.2 U
Trichlorofluoromethane	1.9 J	2.9	2.0 J	1.3	1.2	2.8	2.0	1.4	1.5	2.4	2.7 J	4.1 U	4.2 U	4.2 U	23.6 U	4.3 U	1.5 J	2.3 U
Trimethylbenzene, 1,2,3-	1.1 J	2.3 U	2.2 U	0.98 U	0.98 U	2.6	0.98 U	0.98 U	0.98 U	0.98 U	2.0 U	NA	NA	NA	NA	NA	1.4 J	1.7 J
Trimethylbenzene, 1,2,4-	1.2 J	2.3 U	2.2 U	0.98 U	0.98 U	0.69 J	0.98 U	0.98 U	0.98 U	0.98 U	2.0 U	8.8	47.2	8.4	20.6 U	54.1 J	2.8	1.2 J
Trimethylbenzene, 1,3,5-	2 U	2.3 U	2.2 U	0.98 U	0.98 U	1.3	0.98 U	0.98 U	0.98 U	0.98 U	2.0 U	3.6 U	16.2	3.6 UJ	20.6 U	14.3	1.2 J	2 U
Trimethylpentane, 2,2,4-	1.9 U	2.2 U	2.1 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	1.9 U	3.5	15.4	981.1	5139.2	934.4	1.1 J	1.4 J
Undecane, n-	2.5 U	1.4 J	2.8 U	1.3 U	1.3 U	8.2	1.3 UJ	1.3 U	1.3 U	1.3 U	2.6 U	NA	NA	NA	NA	NA	1.0 J	2.6 U
Vinyl bromide	1.7 U	2 U	1.9 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	1.8 U	NA	NA	NA	NA	NA	1.8 U	1.8 U
Vinyl chloride	1 U	1.2 U	1.1 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	1.0 U	1.9 U	1.9 U	1.9 U	10.7 U	1.9 U	1.0 U	1 U
Other (%)																		
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NA	NA	NA	NA	NA	0.436	0.429	0.661	1.91	3.41	0.17	NA	NA	NA	NA	NA	NA	NA

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name:	OU2SG06	OU2SG06	OU2SG06	OU2SG06	OU2SG06	OU2SG06	OU2SG06	OU2SG06	OU2SG06	OU2SG07	OU2SG07	OU2SG07	OU2SG07	OU2SG07	OU2SG07	OU2SG07	OU2SG07	OU2G07
Sample Date:	9/19/2007	12/18/2007	4/3/2008	6/25/2008	9/24/2008	12/29/2008	3/13/2009	6/25/2009	9/22/2009	5/25/2005	8/30/2005	2/1/2006	6/14/2006	9/7/2006	2/21/2007	5/24/2007	9/12/2007	12/19/2007
BTEX (ug/m3)																		
Benzene	0.45 J	0.64 U	0.64 U	0.64 UJ	0.64 U	0.64 U	0.64 U	0.64 U	1.2 U	4.5	6.7	13.4	7.7 U	15.7	0.43 J	0.81 J	1.4 U	0.16 J
Toluene	15	26	4.0	6.5	2.1	0.32 J	0.75 U	0.41 J	1.5 U	17	90.4	109.3	21.1	135.7	5.4	1100	23	16
Ethylbenzene	0.61 J	0.39 J	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	1.7 U	5.2 U	24.8	21.3	10.4 U	32.6	2.0	20	1.9 U	0.22 J
Xylene, m,p-	0.82 J	0.35 J	0.23 J	0.26 J	1.7 U	1.7 U	1.7 U	1.7 U	3.5 U	5.2 U	104.2	65.1	14.8	112.9	6.4	67	1.3 J	0.61 J
Xylene, o-	2.0 U	0.35 J	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	1.7 U	5.2 U	36.5	14.3	10.4 U	31.7	2.3	20	0.67 J	0.30 J
Other VOCs (ug/m3)																		
Acetaldehyde	25	3.3 U	4.5 U	7.1 U	3.9 J	6.1	2.2 U	7.5	4.8 J	NA	NA	NA	NA	NA	0.82 UJ	130 J	85	1.8 U
Acetone	6.4	2.0 U	1.4 U	4.1 U	0.99	2.5 U	2.4 U	8.0	5.1 UJ	130.6	261.3	135.4	192.4	285.1	12	20 J	11	2.6 U
Acrolein (propenal)	1.1 U	0.46 U	1.2 U	0.46 U	0.46 U	0.46 U	0.46 U	1.2 U	2.3 U	NA	NA	NA	NA	NA	1.0 U	1.4 J	1.0 U	0.46 U
Allyl chloride	1.5 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	1.2 U	15.3 U	10 U	22.5 U	30.4 U	9.4 U	1.4 U	1.3 U	1.4 U	0.63 U
Benzoethiophene	2.6 U	1.1 U	1.1 UJ	1.1 U	1.1 U	1.1 UJ	1.1 U	1.1 U	2.2 U	NA	NA	NA	NA	NA	12 UJ	5.5 U	30 U	1.1 U
Bromodichloromethane	3.2 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	2.7 U	8 U	5.4 U	12.1 U	16.1 U	5 U	3.0 U	2.7 U	3.0 U	1.3 U
Bromofom	4.9 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.1 U	12.4 U	8.3 U	18.6 U	24.8 U	7.6 U	4.7 U	4.2 U	4.6 U	2.1 U
Bromomethane	1.8 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	1.6 U	4.7 U	3.1 U	7 U	9.3 U	2.9 U	1.8 U	1.6 U	1.7 U	0.78 U
Butadiene, 1,3-	1.0 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.88 U	2.7 U	2.4	4 U	5.3 U	8.2	1.0 U	0.89 U	0.98 U	0.44 U
Butane	1.1 U	0.48 U	0.48 U	0.48 U	0.48 U	0.55	0.48 U	0.48 U	0.71 J	NA	NA	NA	NA	NA	1.1 U	0.95 U	1.0 U	0.48 U
Butanone, 2-	1.4	0.59	1.5 U	0.71	0.59 U	0.43 J	0.59 U	0.83	1.2 U	6.2	7.4	20.6	7.4	18.9	1.4 J	4.6	5.2	0.50 J
Carbon disulfide	4.0	2.8	1.6	8.8	1.3	0.16 J	0.62 U	0.19 J	0.56 J	3.7 U	5.3	21.8	15.3	3	1.4 U	5.7 J	7.4	0.37 J
Carbon tetrachloride	3.0 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	2.5 U	7.5 U	5 U	11.3 U	15.1 U	4.7 U	2.8 U	2.5 UJ	2.8 U	1.3 U
Chlorobenzene	2.2 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	5.5 U	3.7 U	8.3 U	11 U	3.4 U	2.1 U	1.8 U	2.0 U	0.92 U
Chloroethane	1.2 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	1.0 U	3.2 U	2.1 U	4.7 U	6.3 U	2 U	1.2 U	1.1 U	1.2 U	0.53 U
Chloroform	2.3 U	0.98 U	0.34 J	6.2	0.98	0.98 U	0.98 U	0.78 J	2.0 U	5.9 U	9.8	8.8 U	11.7 U	3.6 U	2.2 U	4	5.7	3.1
Chloromethane	0.97 U	0.41 U	0.11 J	0.41 U	0.41 U	0.31 J	0.26 J	0.23 J	0.83 U	10.1 U	6.6 U	14.9 U	20 U	6.2 U	0.94 U	0.83 U	0.50 J	0.41 U
Chlorotoluene, 2-	2.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.1 U	NA	NA	NA	NA	NA	2.4 U	2.1 U	2.3 U	1.0 U
Cryofluorane	3.3 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	2.8 U	8.4 U	5.6 U	12.6 U	16.8 U	5.2 U	3.2 U	2.8 U	3.1 U	1.4 U
Cyclohexane	25	91	42	4.7	0.93	0.28 J	0.69 U	0.69 U	1.4 U	344.2	4.8	6.2 U	8.3 U	2.5 U	1.6 U	130	3.4	0.31 J
Decane, n-	2.7 U	0.52 J	1.2 U	1.6	1.2 U	1.2 U	1.2 U	0.35 J	2.3 U	NA	NA	NA	NA	NA	1.1 J	18	2.6 U	1.2 U
Dibromochloromethane	4.0 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	3.4 U	10.2 U	6.8 U	15.3 U	20.4 U	6.3 U	3.9 U	3.4 U	3.8 U	1.7 U
Dibromoethane, 1,2-	3.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.1 U	9.2 U	6.1 U	13.8 U	18.4 U	5.7 U	3.5 U	3.1 U	3.4 U	1.5 U
Dichlorobenzene, 1,2-	2.8 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	2.4 U	7.2 U	4.8 U	10.8 U	14.4 U	4.4 U	2.7 U	2.4 U	2.7 U	1.2 U
Dichlorobenzene, 1,3-	2.8 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	2.4 U	7.2 U	4.8 U	10.8 U	14.4 U	4.4 U	2.7 U	2.4 U	2.7 U	1.2 U
Dichlorobenzene, 1,4-	2.8 U	1.2 U	1.2 U	0.96 J	1.2 U	1.2 U	1.2 U	1.2 U	2.4 U	7.2 U	4.8 U	10.8 U	14.4 U	4.4 U	2.7 UJ	5.1	2.3 J	0.54 J
Dichlorodifluoromethane	2.8	2.2	2.1	2.0	2.6	2.7	2.0	2.4	2.8	5.9	4 U	8.9 U	11.9 U	6.4	5.3	3.4	5.2	5.9
Dichloroethane, 1,1-	1.9 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	1.6 U	4.9 U	3.2 U	7.3 U	9.7 U	3 U	1.8 U	1.6 U	1.8 U	0.81 U
Dichloroethane, 1,2-	1.9 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	1.6 U	4.9 U	3.2 U	7.3 U	9.7 U	3 U	1.8 U	1.6 U	1.8 U	0.81 U
Dichloroethene, 1,1-	1.9 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	4.8 U	3.2 U	7.1 U	9.5 U	2.9 U	1.8 U	1.6 U	1.8 U	0.79 U
Dichloroethene, cis-1,2-	1.9 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	4.8 U	3.2 U	7.1 U	9.5 U	2.9 U	1.8 U	1.6 U	1.8 U	0.79 U
Dichloropropane, 1,2-	2.2 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	5.5 U	3.7 U	8.3 U	11.1 U	3.4 U	2.1 U	1.9 U	2.0 U	0.92 U
Dichloropropene, cis-1,3	2.1 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	1.8 U	5.4 U	3.6 U	8.2 U	10.9 U	3.4 U	2.1 U	1.8 U	2.0 U	0.91 U
Dichloropropene, trans-1,3	2.1 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	1.8 U	5.4 U	3.6 U	8.2 U	10.9 U	3.4 U	2.1 U	1.8 U	2.0 U	0.91 U
Dioxane, 1,4-	1.7 U	1.8 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	1.4 U	17.7 U	11.5 U	25.9 U	35 U	10.8 U	4.1 U	1.4 U	1.6 UJ	1.8 U
Dodecane, n-	0.99 J	1.4 U	1.4 U	0.56 J	1.3 J	1.4 UJ	1.4 UJ	1.1 J	2.8 UJ	NA	NA	NA	NA	NA	1.6 J	13	2.0 J	0.56 J
Ethanol	7.7	3.0 U	0.89 J	0.62 J	1.9 U	2.0	1.9 U	1.6 J	3.8 U	433.4	20.7	54.6	18.3 U	43.3	31	6.3	35	2.7 U
Ethylthiophene, 2-	2.2 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	NA	NA	NA	NA	NA	2.1 U	1.8 U	2.0 U	0.92 U

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG06 9/19/2007	OU2SG06 12/18/2007	OU2SG06 4/3/2008	OU2SG06 6/25/2008	OU2SG06 9/24/2008	OU2SG06 12/29/2008	OU2SG06 3/13/2009	OU2SG-06 6/25/2009	OU2SG-06 9/22/2009	OU2SG07 5/25/2005	OU2SG07 8/30/2005	OU2SG07 2/1/2006	OU2SG07 6/14/2006	OU2SG07 9/7/2006	OU2SG07 2/21/2007	OU2SG07 5/24/2007	OU2SG07 9/12/2007	OU2G07 12/19/2007	
Ethyltoluene, p-	2.3 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	2.0 U	5.9 U	42.8	8.8 U	11.8 U	43.3	0.56 J	3.2	2.2 U	0.98 U	
Heptane, n-	1.9 U	0.82 U	0.82 UJ	0.82 U	0.82 U	0.82 U	0.82 UJ	0.82 U	1.6 U	163.9	9.8	9	9.8 U	14.3	1.9 U	4.7	1.8 U	0.82 U	
Hexachlorobutadiene	5.0 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.3 U	52.3 U	34.1 U	76.8 U	103.5 U	32 UJ	4.8 UJ	4.3 U	4.7 U	2.1 U	
Hexane, n-	7.1	3.4	0.70 U	0.28 J	0.70 U	0.27 J	0.70 U	0.70 U	1.4 U	6.3 J	9.5	13.4	8.5 U	14.8	1.8	76	4.5	0.70 U	
Hexanone, 2-	1.9 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	1.6 U	20.1 U	13.1 U	29.5 U	39.7 U	12.3 U	4.6 U	1.6 U	0.54 J	0.82 U	
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Indan	2.3 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	1.9 U	NA	NA	NA	NA	14.5 U	0.66 J	1.9 J	2.1 U	0.97 U	
Indene	2.2 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	1.9 U	NA	NA	NA	NA	14.3 U	2.2 U	1.9 U	2.1 U	0.95 U	
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.9 U	3.9 U	8.8 U	11.8 U	3.6 U	NA	NA	NA	NA	
Methyl tert-butyl ether	1.7 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	1.4 U	6.9	15.1	6.5 U	8.7 U	2.7 U	1.6 U	1.4 U	1.6 U	0.72 U	
Methyl-2-pentanone, 4-	1.9 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 UJ	0.82 U	1.6 U	4.9 U	3.3 U	7.4 U	9.8 U	3 U	1.9 U	2.9	1.8 U	0.82 U	
Methylene chloride	9.8	0.69 U	1.7 U	1.7 U	0.69 U	1.7 U	1.7 U	0.66 J	3.5 U	4.2 U	2.8 U	6.3 U	55.6	2.6 U	30	21	10	0.94 U	
Methylnaphthalene, 1-	2.7 U	14 UJ	1.2 UJ	0.52 J	1.2 UJ	R	1.2 U	1.2 U	2.3 UJ	NA	NA	NA	NA	NA	33 U	1.3 J	13 U	14 UJ	
Methylnaphthalene, 2-	2.7 U	14 U	1.2 UJ	2.9 U	1.2 U	0.45 J	1.2 U	1.2 U	2.3 U	NA	NA	NA	NA	NA	33 U	2.3 J	32 U	14 U	
Methylthiophene, 2-	1.9 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	2.0 U	1.6 U	NA	NA	NA	NA	NA	1.8 U	1.6 U	1.8 U	0.80 U	
Methylthiophene, 3-	1.9 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	1.6 U	NA	NA	NA	NA	NA	1.8 U	1.6 U	1.8 U	0.80 U	
Naphthalene	2.5 U	0.73 J	1.0 U	0.31 J	1.0 U	0.39 J	1.0 U	0.63 J	2.1 U	25.7 U	16.8 U	37.7 U	50.8 UJ	15.7 U	5.9 U	4	1.4 J	1.0 U	
Nonane	2.5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.1 U	NA	NA	NA	NA	NA	1.2 J	8.4	2.3 U	1.0 U	
Octane, n-	2.2 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	1.9 U	NA	NA	NA	NA	NA	0.53 J	1.8 J	2.1 U	0.93 U	
Pentane	1.4 U	0.59 U	0.59 U	0.59 U	0.59 U	1.8	0.59 U	0.59 U	1.2 U	NA	NA	NA	NA	NA	1.3 U	1.2 U	1.3 U	1.5	
Propanol, 2-	1.2	0.49 U	0.45 J	1.4 UJ	0.49 U	0.77 UJ	1.2 U	1.2 U	2.3 J	36.9 J	7.9 U	17.7 U	23.8 U	7.4 U	1.7	1.9 J	1.2	2.0 J	
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.9 U	8.4	8.8 U	11.8 U	10.3	NA	NA	NA	NA	
Styrene	2.0 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	1.7 U	5.1 U	4	7.7 U	10.2 U	3.2 U	1.9 U	1.1 J	1.9 U	0.85 U	
t-Butyl alcohol	0.43 J	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	1.5 U	0.21 J	1.2 U	NA	NA	NA	NA	NA	1.4 U	0.85 J	0.80 J	0.61 U	
Tetrachloroethane, 1,1,2,2-	3.2 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	2.7 U	8.2 U	5.5 U	12.4 U	16.5 U	5.1 U	3.1 U	2.8 U	3.0 U	1.4 U	
Tetrachloroethene	1.9 J	0.41 J	0.62 J	3.3	2.0	1.4 U	1.4 U	2.3	1.5 J	8.1 U	29.2	27.8	23.1	39.3	4.6	26	35	4.7	
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.5 U	2.4 U	5.3 U	7.1 U	2.2 U	NA	NA	NA	NA	
Tetramethylbenzene, 1,2,4,5-	2.6 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	NA	NA	NA	NA	NA	2.5 U	10 J	3.4 J	1.1 U	
Thiophene	1.6 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	1.4 U	NA	NA	NA	NA	NA	1.6 U	1.4 U	1.5 UJ	0.69 U	
Trans-1,2-dichloroethene	1.9 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	4.8 U	3.2 U	7.1 U	9.5 U	2.9 U	1.8 U	1.6 U	1.8 U	0.79 U	
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6 U	1.5 U	0.68 J	0.54 J	0.43 J	0.58 J	0.40 J	0.69 J	3.1 U	9.2 U	6.1 U	13.8 U	18.4 U	5.7 U	3.5 U	3.1 U	3.4 U	0.46 J	
Trichlorobenzene, 1,2,4-	3.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.0 U	36.4 U	23.7 U	53.4 U	72 U	22.3 UJ	3.4 UJ	3 U	3.3 U	1.5 U	
Trichloroethane, 1,1,1-	2.6 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	6.5 U	4.4 U	9.8 U	13.1 U	4 U	2.5 U	2.2 UJ	2.4 U	1.1 U	
Trichloroethane, 1,1,2-	2.6 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	6.5 U	4.4 U	9.8 U	13.1 U	4 U	2.5 U	2.2 U	2.4 U	1.1 U	
Trichloroethene	2.5 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	8.1	4.3 U	9.7 U	12.9 U	4 U	2.4 U	2.2 U	2.4 U	1.1 U	
Trichlorofluoromethane	1.6 J	1.1	1.9	1.8	1.5	1.6	1.2	2.2	1.9 J	6.7 U	4.5 U	10.1 U	13.5 U	4.2 U	1.7 J	1.6 J	1.5 J	1.5	
Trimethylbenzene, 1,2,3-	2.3 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	2.0 U	NA	NA	NA	NA	NA	1.7 J	4.3	2.2 U	0.98 U	
Trimethylbenzene, 1,2,4-	2.3 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	2.0 U	5.9 U	40.3	8.8 U	11.8 U	54.1 J	3.5	16 J	2.2 U	0.98 U	
Trimethylbenzene, 1,3,5-	2.3 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	2.0 U	5.9 U	14.3	8.8 U	11.8 U	12.8	1.1 J	4.1	2.2 U	0.98 U	
Trimethylpentane, 2,2,4-	2.2 U	0.93 U	0.93 UJ	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	1.9 U	5.6 U	10.7	1775.4	2429.4	1308.2	2.1 U	1.9 U	2.1 U	0.93 U	
Undecane, n-	3.0 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	2.6 U	NA	NA	NA	NA	NA	1.0 J	20	2.8 U	0.51 J	
Vinyl bromide	2.1 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	1.8 U	NA	NA	NA	NA	NA	2.0 U	1.8 U	1.9 U	0.87 U	
Vinyl chloride	1.2 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	1.0 U	3.1 U	2 U	4.6 U	6.1 U	1.9 U	1.2 U	1 U	1.1 U	0.51 U	
Other (%)																			
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NA	NA	NA	NA	0.0184 U	0.0157	0.0181 U	0.0158	0.00349 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG07 4/3/2008	OU2SG07 6/24/2008	OU2SG07 9/19/2008	OU2SG07 12/23/2008	OU2SG07 3/12/2009	OU2SG-07 6/8/2009	OU2SG-07 9/21/2009	OU2SG08 5/25/2005	OU2SG08 8/31/2005	OU2SG08 2/2/2006	OU2SG08 6/15/2006	OU2SG08 9/8/2006	OU2SG08 2/21/2007	OU2SG08 5/24/2007	OU2SG08 7/25/2007	OU2SG08 9/12/2007	OU2SG08 12/19/2007	OU2SG08 3/27/2008
BTEX (ug/m3)																		
Benzene	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.38 J	1.3 U	5.1	5.4	2.2 U	11.5 U	11.2	0.55 J	1.3 U	0.62 J	1.6 U	0.64 U	0.64 U
Toluene	10	0.94	1.2	0.72 J	0.49 J	0.46 J	0.90 J	11.3	82.9	6	28.6	128.1	4.3	8.9	120 J	3.1	1.7	0.85
Ethylbenzene	0.56 J	0.69 J	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	3 U	24.8	4.8	15.6 U	25.6	1.7 J	5.4	2.2 J	2.2 U	0.87 U	0.87 U
Xylene, m,p-	1.7 J	2.0	0.22 J	1.7 U	1.7 U	1.7 U	3.5 U	4.8	95.5	4.8	15.6	91.2	5.1	5.7	4.6 J	4.3 U	1.7 U	0.22 J
Xylene, o-	0.41 J	0.91	0.87 U	0.87 U	0.87 U	0.87 U	1.7 U	3 U	35.2	3 U	15.6 U	24.3	1.9 J	3	2.4 J	2.2 U	0.87 U	0.87 U
Other VOCs (ug/m3)																		
Acetaldehyde	4.5 U	32	24	3.4 J	2.0 U	4.9 U	9.0 U	NA	NA	NA	NA	NA	0.78 UJ	130 J	170 J	97	2.7 U	4.5 U
Acetone	2.5 U	17	5.8	3.1 U	2.4 U	2.6 U	4.8 U	57	285.1	10.5	522.6	137.8	8.8	15 J	23 J	13	0.90 U	2.1 U
Acrolein (propenal)	1.2 U	0.34 J	1.1	0.46 U	0.46 U	0.37 J	2.3 U	NA	NA	NA	NA	NA	0.99 U	2.3 U	1.2 UJ	1.2 U	0.46 U	1.2 U
Allyl chloride	0.63 U	0.63 UJ	0.63 U	0.63 U	0.63 U	0.63 U	1.2 U	8.8 U	9.7 U	8.8 U	43.8 U	9.1 U	1.4 U	1.3 U	1.6 U	1.6 U	0.63 U	0.63 U
Benzothiophene	1.1 UJ	1.1 U	1.1 U	1.1 UJ	1.1 U	1.1 U	2.2 U	NA	NA	NA	NA	NA	12 UJ	5.5 U	2.8 U	34 U	1.1 U	1.1 U
Bromodichloromethane	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	2.7 U	4.7 U	5.2 U	4.7 U	24.1 U	4.8 U	2.9 U	2.7 U	3.4 U	3.4 U	1.3 U	1.3 U
Bromoform	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 UJ	4.1 U	7.2 U	8.1 U	7.2 U	37.2 U	7.4 U	4.5 U	4.2 U	5.2 U	5.2 U	2.1 U	2.1 U
Bromomethane	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	1.6 U	2.7 U	3 U	2.7 U	14 U	2.8 U	1.7 U	1.6 U	2 U	1.9 U	0.78 U	0.78 U
Butadiene, 1,3-	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.88 U	1.5 U	3.1	1.5 U	8 U	2.7	0.96 U	0.89 U	1.1 U	1.1 U	0.44 U	0.44 U
Butane	0.48 U	0.17 J	0.48 U	0.48 U	0.48 U	0.48 U	0.95 U	NA	NA	NA	NA	NA	0.62 J	0.6 J	1.2 U	0.36 J	0.48 U	0.97
Butanone, 2-	0.42 J	1.7	1.3	0.59 U	0.59 U	0.34 J	1.2 U	6.5	32.4	2.1 U	35.4	10.9	1.5 J	7.2	4.1 J	4.5	0.59 U	1.5 U
Carbon disulfide	3.1	0.40 J	1.0	0.32 J	0.20 J	1.0	2.4	2.4	62.3	2.2 U	22.7	25.2	1.4 U	1.2 U	4.1 J	1.6 U	0.22 J	0.62 U
Carbon tetrachloride	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	2.5 U	4.4 U	4.9 U	4.4 U	22.6 U	4.5 U	2.7 U	2.5 UJ	3.2 U	3.1 U	1.3 U	1.3 U
Chlorobenzene	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	3.2 U	3.6 U	3.2 U	16.6 U	3.3 U	2.0 U	1.8 U	2.3 U	2.3 U	0.92 U	0.92 U
Chloroethane	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	1.0 U	1.8 U	2.1 U	1.8 U	9.5 U	1.9 U	1.1 U	1.1 U	1.3 U	1.3 U	0.53 U	0.53 U
Chloroform	0.75 J	2.9	4.9	0.72 J	1.1	2.1	3.0	3.4 U	3.8 U	3.4 U	17.6 U	3.5 U	2.1 U	2 U	0.89 J	1.7 J	0.39 J	0.62 J
Chloromethane	0.48	0.41 U	0.41 U	0.53	0.14 J	0.13 J	0.83 U	5.8 U	6.4 U	5.8 U	28.9 U	6 U	0.90 U	0.83 U	0.72 J	1.0 U	0.41 U	0.41 U
Chlorotoluene, 2-	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	2.1 U	NA	NA	NA	NA	NA	2.2 U	2.1 U	2.6 U	2.6 U	1.0 U	1.0 U
Cryofluorane	1.4 U	1.4 U	1.4 U	2 U	1.4 U	1.4 U	2.8 U	4.9 U	5.5 U	4.9 U	25.2 U	5 U	3.0 U	2.8 U	3.6 U	3.5 U	1.4 U	1.4 U
Cyclohexane	0.53 J	0.69 U	0.69 U	3 U	0.69 U	0.69 U	1.4 U	154.9	5.9	2.4 U	12.4 U	2.5 U	0.45 J	1.4 U	67 J	2.1	0.69 U	0.69 U
Decane, n-	1.2 U	61	1.1 J	4 U	1.2 U	1.2 U	2.3 U	NA	NA	NA	NA	NA	2.5 U	9.2	1.5 J	2.9 U	1.2 U	0.55 J
Dibromochloromethane	1.7 U	1.7 U	1.7 U	5 U	1.7 U	1.7 U	3.4 U	6 U	6.6 U	6 U	30.7 U	6.1 U	3.7 U	3.4 U	4.3 U	4.3 U	1.7 U	1.7 U
Dibromoethane, 1,2-	1.5 U	1.5 U	1.5 U	6 U	1.5 U	1.5 U	3.1 U	5.4 U	6 U	5.4 U	27.7 U	5.5 U	3.3 U	3.1 U	3.9 U	3.8 U	1.5 U	1.5 U
Dichlorobenzene, 1,2-	1.2 U	1.2 U	1.2 U	7 U	1.2 U	1.2 U	2.4 U	4.2 U	4.7 U	4.2 U	21.6 U	4.3 U	2.6 U	2.4 U	3 U	3.0 U	1.2 U	1.2 U
Dichlorobenzene, 1,3-	1.2 U	5.5	1.2 U	8 U	1.2 U	1.2 U	2.4 U	4.2 U	36.1	4.2 U	21.6 U	4.3 U	2.6 U	3.3	3 U	3.0 U	1.2 U	1.2 U
Dichlorobenzene, 1,4-	0.85 J	0.48 J	1.2 U	9 U	1.2 U	1.2 U	2.4 U	4.2 U	4.7 U	4.2 U	21.6 U	4.3 U	2.6 UJ	2.4 U	3 U	3.0 U	1.2 U	1.2 U
Dichlorodifluoromethane	2.9	4.6	5.6	10 U	5.2	4.5	2.9	3.5 U	3.9 U	3.5 U	17.8 U	3.6 U	2.6	2.7	2.3 J	2.8	2.6	2.0
Dichloroethane, 1,1-	0.81 U	0.81 U	0.81 U	11 U	0.81 U	0.81 U	1.6 U	2.8 U	3.2 U	2.8 U	14.6 U	2.9 U	1.8 U	1.6 U	2 U	2.0 U	0.81 U	0.81 U
Dichloroethane, 1,2-	0.81 U	0.81 U	0.81 U	12 U	0.81 U	0.81 U	1.6 U	2.8 U	3.2 U	2.8 U	14.6 U	2.9 U	1.8 U	1.6 U	2 U	2.0 U	0.81 U	0.81 U
Dichloroethene, 1,1-	0.79 U	0.79 U	0.79 U	14 U	0.79 U	0.79 U	1.6 U	2.8 U	3.1 U	2.8 U	14.3 U	2.9 U	1.7 U	1.6 U	2 U	2.0 U	0.79 U	0.79 U
Dichloroethene, cis-1,2-	0.79 U	0.79 U	0.79 U	13 U	0.79 U	0.79 U	1.6 U	2.8 U	3.1 U	2.8 U	14.3 U	2.9 U	1.7 U	1.6 U	2 U	2.0 U	0.79 U	0.79 U
Dichloropropane, 1,2-	0.92 U	0.92 U	0.92 U	15 U	0.92 U	0.92 U	1.8 U	3.2 U	3.6 U	3.2 U	16.6 U	3.3 U	2.0 U	1.9 U	2.4 U	2.3 U	0.92 U	0.92 U
Dichloropropene, cis-1,3	0.91 U	0.91 U	0.91 U	16 U	0.91 U	0.91 U	1.8 U	3.2 U	3.5 U	3.2 U	16.3 U	3.3 U	2.0 U	1.8 U	2.3 U	2.3 U	0.91 U	0.91 U
Dichloropropene, trans-1,3	0.91 U	0.91 U	0.91 U	17 U	0.91 U	0.91 U	1.8 U	3.2 U	3.5 U	3.2 U	16.3 U	3.3 U	2.0 U	1.8 U	2.3 U	2.3 U	0.91 U	0.91 U
Dioxane, 1,4-	0.72 U	0.72 U	0.72 U	18 U	0.72 U	0.72 UJ	1.4 U	10.1 U	11.2 U	10.1 U	50.4 U	10.5 U	3.9 U	1.4 U	1.8 U	1.8 UJ	1.8 U	0.72 U
Dodecane, n-	0.68 J	37 J	5.4	19 U	0.39 J	1.4 U	0.97 J	NA	NA	NA	NA	NA	3.0 U	16	8	0.87 J	0.49 J	0.45 J
Ethanol	30	2.4	1.6 J	20 U	0.64 J	2.4 U	3.8 U	75.4	866.7 EJ	17.1	32	35.8	22	5.1	37 J	39	2.4 U	1.2 J
Ethylthiophene, 2-	0.92 U	0.92 U	0.92 U	21 U	0.92 U	0.92 U	1.8 U	NA	NA	NA	NA	NA	2.0 U	1.8 U	2.3 U	2.3 U	0.92 U	0.92 U

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG07 4/3/2008	OU2SG07 6/24/2008	OU2SG07 9/19/2008	OU2SG07 12/23/2008	OU2SG07 3/12/2009	OU2SG-07 6/8/2009	OU2SG-07 9/21/2009	OU2SG08 5/25/2005	OU2SG08 8/31/2005	OU2SG08 2/2/2006	OU2SG08 6/15/2006	OU2SG08 9/8/2006	OU2SG08 2/21/2007	OU2SG08 5/24/2007	OU2SG08 7/25/2007	OU2SG08 9/12/2007	OU2SG08 12/19/2007	OU2SG08 3/27/2008
Ethyltoluene, p-	0.98 U	0.49 J	0.98 U	22 U	0.98 U	0.98 U	2.0 U	3.4 U	31.5	3.4 U	17.7 U	33.9	2.1 U	2 U	2.5 U	2.5 U	0.98 U	0.98 U
Heptane, n-	0.82 UJ	1.2 J	0.82 U	23 U	0.82 U	0.82 U	1.6 U	180.3	14.3	2.9 U	14.8 U	9.4	0.53 J	1.6 U	0.96 J	2.0 U	0.82 U	0.45 J
Hexachlorobutadiene	2.1 U	2.1 U	2.1 U	24 U	2.1 U	2.1 U	4.3 UJ	29.9 U	33.1 U	29.9 U	149.3 U	30.9 U	4.6 UJ	4.3 U	5.4 U	5.3 U	2.1 U	2.1 U
Hexane, n-	0.70 U	0.70 U	0.70 U	25 U	0.70 U	0.70 U	1.4 U	3.1 J	9.5	2.5 U	12.7 U	8.8	1.8	1.8	66 J	6.2	0.70 U	0.46 J
Hexanone, 2-	0.82 U	0.82 U	0.82 U	26 U	0.82 U	0.82 U	1.6 U	11.5 U	12.7 U	11.5 U	57.4 U	11.9 U	4.4 U	1.6 U	0.73 J	2.0 U	0.82 U	0.82 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	0.97 U	0.72 J	0.97 U	27 U	0.97 U	0.97 UJ	1.9 U	NA	NA	NA	NA	14 U	0.73 J	1.9 U	2.4 U	2.4 U	0.97 U	0.97 U
Indene	0.95 U	0.95 U	0.95 U	28 U	0.95 U	0.95 UJ	1.9 U	NA	NA	NA	NA	13.8 U	2.1 U	1.9 U	0.72 J	2.4 U	0.95 U	0.95 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	3.4 U	3.8 U	3.4 U	17.7 U	3.5 U	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	0.72 U	0.72 U	0.72 U	29 U	0.72 U	0.72 U	1.4 U	2.5 U	17.3	2.5 U	13 U	2.6 U	1.6 U	1.4 U	1.8 U	1.8 U	0.72 U	0.72 U
Methyl-2-pentanone, 4-	0.82 U	0.82 U	0.82 U	30 U	0.82 U	0.82 U	1.6 U	2.9 U	8.2	2.9 U	14.7 U	2.9 U	0.53 J	0.9 J	2.1 U	2.0 U	0.82 U	0.82 U
Methylene chloride	1.7 U	1.7 U	3.1 U	31 U	1.7 U	0.45 J	3.5 U	2.4 U	2.7 U	2.4 U	12.5 U	2.5 U	3.9 J	21	12 J	14	0.87 U	0.27 J
Methylnaphthalene, 1-	1.2 UJ	2.9 UJ	1.2 U	32 U	1.2 U	1.2 U	2.3 U	NA	NA	NA	NA	NA	32 U	29 U	1.2 J	14 U	14 UJ	1.2 U
Methylnaphthalene, 2-	1.2 UJ	2.9 UJ	1.2 U	33 U	1.2 U	1.2 U	2.3 U	NA	NA	NA	NA	NA	32 U	12 U	37 UJ	36 U	14 U	1.2 U
Methylthiophene, 2-	0.80 U	0.80 U	0.80 U	34 U	0.80 U	0.80 U	1.6 U	NA	NA	NA	NA	NA	1.7 U	1.6 U	2 U	2.0 U	0.80 U	0.80 U
Methylthiophene, 3-	0.80 U	0.80 U	0.80 U	35 U	0.80 U	0.80 U	1.6 U	NA	NA	NA	NA	NA	1.7 U	1.6 U	2 U	2.0 U	0.80 U	0.80 U
Naphthalene	1.0 U	1.0	2.2	36 U	1.0 U	1.0 U	2.1 U	14.7 U	16.3 U	14.7 U	73.4 UJ	15.2 U	5.7 U	2.1 U	2.2 J	2.6 U	1.0 U	1.0 U
Nonane	1.0 U	1.2	1.0 U	37 U	1.0 U	1.0 U	2.1 U	NA	NA	NA	NA	NA	0.91 J	1.7 J	2.7 U	2.6 U	1.0 U	1.0 U
Octane, n-	0.93 U	240	0.75 J	38 U	0.93 U	0.93 U	1.9 U	NA	NA	NA	NA	NA	0.61 J	1.9 U	2.4 U	2.3 U	0.93 U	0.93 U
Pentane	0.59 U	0.35 J	0.59 U	39 U	0.59 U	0.16 J	1.2 U	NA	NA	NA	NA	NA	0.51 J	1.2 U	0.76 J	1.5 U	0.59 U	0.79
Propanol, 2-	0.40 J	1.2 UJ	0.49 U	40 U	1.2 U	1.2 U	2.4 U	7.1 J	712.8	6.9 U	34.4 U	7.1 U	1.8	7.2	2.6 J	1.7	0.49 U	0.39 J
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	3.4 U	6.4	3.4 U	17.7 U	8.4	NA	NA	NA	NA	NA	NA
Styrene	0.85 U	0.55 J	0.85 U	41 U	0.85 U	0.85 U	1.7 U	3 U	4	3 U	15.3 U	3.1 U	1.8 U	4	2.2 U	2.1 U	0.85 U	0.85 U
t-Butyl alcohol	0.61 U	1.8	0.61 U	42 U	1.5 U	0.61 U	1.2 U	NA	NA	NA	NA	NA	1.3 U	1.2 U	1.9 J	1.2 J	0.61 U	0.61 U
Tetrachloroethane, 1,1,2,2-	1.4 U	1.4 U	1.4 U	43 U	1.4 U	1.4 U	2.7 U	4.8 U	5.4 U	4.8 U	24.7 U	4.9 U	3.0 U	2.8 U	3.5 U	3.4 U	1.4 U	1.4 U
Tetrachloroethene	7.4	30	34	44 U	5.5	20	7.2	14.9	19.7	4.7 U	24.4 U	18.3	2.9 U	3.5	2.2 J	1.0 J	1.4 U	1.4 U
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	2.1 U	5.9	2.1 U	10.6 U	2.1 U	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	0.28 J	2.9 J	2.4	45 U	1.1 U	1.1 U	2.2 UJ	NA	NA	NA	NA	NA	2.4 U	11 U	3.2 J	34 U	1.1 U	1.1 U
Thiophene	0.69 U	0.69 U	0.69 U	46 U	0.69 U	0.69 U	1.4 U	NA	NA	NA	NA	NA	1.5 U	1.4 U	1.8 U	1.7 UJ	0.69 U	0.69 U
Trans-1,2-dichloroethene	0.79 U	0.79 U	0.79 U	47 U	0.79 U	0.79 U	1.6 U	2.8 U	3.1 U	2.8 U	14.3 U	2.9 U	1.7 U	1.6 U	2 U	2.0 U	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	0.48 J	0.61 J	0.61 J	48 U	0.53 J	0.79 J	3.1 U	5.4 U	6 U	5.4 U	27.6 U	5.5 U	3.3 U	3.1 U	3.9 U	3.8 U	0.46 J	1.5 U
Trichlorobenzene, 1,2,4-	1.5 U	1.5 U	1.0 J	49 U	1.5 U	1.5 U	3.0 U	20.8 U	23 U	20.8 U	103.9 U	21.5 U	3.2 UJ	3 U	3.8 U	3.7 U	1.5 U	1.5 U
Trichloroethane, 1,1,1-	1.1 U	1.1 U	1.1 U	50 U	1.1 U	1.1 U	2.2 U	3.8 U	4.3 U	3.8 U	19.6 U	3.9 U	2.4 U	2.2 UJ	2.8 U	2.7 U	1.1 U	1.1 U
Trichloroethane, 1,1,2-	1.1 U	1.1 U	1.1 U	51 U	1.1 U	1.1 U	2.2 U	3.8 U	4.3 U	3.8 U	19.6 U	3.9 U	2.4 U	2.2 U	2.8 U	2.7 U	1.1 U	1.1 U
Trichloroethene	1.1 U	0.59 J	0.64 J	52 U	1.1 U	0.45 J	2.2 U	3.8 U	4.2 U	3.8 U	19.3 U	3.9 U	2.3 U	2.2 U	2.7 U	2.7 U	1.1 U	1.1 U
Trichlorofluoromethane	1.7	1.7	1.5	53 U	1.3	2.1	1.8 J	3.9 U	4.4 U	3.9 U	20.2 U	4 U	1.3 J	1.7 J	1.5 J	1.5 J	1.1	1.1 J
Trimethylbenzene, 1,2,3-	0.98 U	3.3	0.44 J	54 U	0.98 U	0.98 U	2.0 UJ	NA	NA	NA	NA	NA	1.3 J	2 U	1 J	2.5 U	0.98 U	0.98 U
Trimethylbenzene, 1,2,4-	0.98 U	0.84 J	0.34 J	55 U	0.98 U	0.98 U	2.0 U	3.4 U	29	3.4 U	17.7 U	38.8	2.6	3.5 J	0.72 J	2.5 U	0.98 U	0.98 U
Trimethylbenzene, 1,3,5-	0.98 U	1.6	0.98 U	56 U	0.98 U	0.98 U	2.0 U	3.4 U	10.8	3.4 UJ	17.7 U	9.8	0.75 J	2 U	2.5 U	2.5 U	0.98 U	0.98 U
Trimethylpentane, 2,2,4-	0.93 UJ	0.93 U	0.93 U	57 U	0.93 U	0.93 U	1.9 U	3.3 U	15	214.9	4391.7	934.4	0.51 J	1.9 U	2.4 U	2.3 U	0.93 U	0.93 U
Undecane, n-	1.3 U	11	4.2	58 U	1.3 U	1.3 U	2.6 U	NA	NA	NA	NA	NA	2.8 U	4.6	3.2 U	3.2 U	0.64 J	0.52 J
Vinyl bromide	0.87 U	0.87 U	0.87 U	59 U	0.87 U	0.87 U	1.8 U	NA	NA	NA	NA	NA	1.9 U	1.8 U	2.2 U	2.2 U	0.87 U	0.87 U
Vinyl chloride	0.51 U	0.51 U	0.51 U	60 U	0.51 U	0.51 U	1.0 U	1.8 U	2 U	1.8 U	9.2 U	1.8 U	1.1 U	1 U	1.3 U	1.3 U	0.51 U	0.51 U
Other (%)																		
Carbon Dioxide	NA	NA	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NA	NA	NA	0.0161	0.023 U	0.0183	0.00327 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG08 6/18/2008	OU2SG08 9/16/2008	OU2SG08 12/23/2008	OU2SG08 3/12/2009	OU2SG-08 6/8/2009	OU2SG-08 9/21/2009	OU2SG09 5/25/2005	OU2SG09 8/31/2005	OU2SG09 2/2/2006	OU2SG09 6/15/2006	OU2SG09 9/8/2006	OU2SG09 2/21/2007	Duplicate of OU2SG09 2/21/2007	OU2SG09 5/24/2007	OU2SG09 7/25/2007	OU2SG09 9/12/2007	OU2SG09 12/19/2007
BTEX (ug/m3)																	
Benzene	0.64 UJ	0.64 U	0.64 U	0.64 U	0.36 J	1.3 U	2.2 U	5.8	3.1	10.2 U	10.2	1.4 UJ	0.74 UJ	1.3 U	1.8 UJ	1.4 U	0.64 U
Toluene	2.5	0.98	0.23 J	0.62 J	0.62 J	0.45 J	10.6	82.9	14.3	37.7	105.5	3.7 J	4.1 UJ	120	32	5.2	8.7
Ethylbenzene	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	1.7 U	3 U	20.4	6.5	13.9 U	21.7	1.2 J	1.1 U	3.2	2.5 U	1.9 U	0.87 U
Xylene, m,p-	1.7 U	1.7 U	1.7 U	0.67 J	1.7 U	3.5 U	4.2	78.2	10.4	22.1	78.2	3.9 J	3.2 UJ	7.5	0.92 J	3.8 U	0.26 J
Xylene, o-	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	1.7 U	3 U	30.4	4.3	13.9 U	22.1	1.4 J	1.3 U	5	2.5 U	1.9 U	0.87 U
Other VOCs (ug/m3)																	
Acetaldehyde	9.8	3.8 J	2.3 J	3.8 U	4.5 UJ	3.5 J	NA	NA	NA	NA	NA	0.82 UJ	0.41 UJ	87 J	92	54	2.2 U
Acetone	2.5	1.1	1.5 U	2.1 U	2.4 U	4.8 U	52.3	285.1	42.8	356.3	109.3	16	14 U	14 J	23 J	9.1	1.1 U
Acrolein (propenal)	0.18 J	0.46 U	0.46 U	0.27 J	1.2 UJ	2.3 U	NA	NA	NA	NA	NA	1.0 U	0.52 UJ	2.3 U	1.3 U	1.0 U	0.46 U
Allyl chloride	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	1.2 U	8.8 U	10 U	9.4 U	40.7 U	10 U	1.4 U	0.71 U	1.3 U	1.8 U	1.4 U	0.63 U
Benzothiophene	1.1 U	1.1 U	1.1 UJ	1.1 U	1.1 U	2.2 U	NA	NA	NA	NA	NA	12 UJ	6.2 U	5.6 U	3.1 U	30 U	1.1 U
Bromodichloromethane	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	2.7 U	4.7 U	5.3 U	5.1 U	21.4 U	5.4 U	3.0 U	1.5 U	2.7 U	3.8 U	3.0 U	1.3 U
Bromoform	2.1 U	2.1 U	2.1 U	2.1 U	2.1 UJ	4.1 U	7.2 U	8.2 U	7.9 U	33.1 U	8.3 U	4.7 U	2.4 UJ	4.2 U	5.8 U	4.6 U	2.1 U
Bromomethane	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	1.6 U	2.7 U	3.1 U	3 U	12.4 U	3.1 U	1.8 U	0.88 U	1.6 U	2.2 U	1.7 U	0.78 U
Butadiene, 1,3-	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.88 U	1.5 U	1.7 U	2.7	7.1 U	1.8 U	1.0 U	0.50 U	0.9 U	1.2 U	0.98 U	0.44 U
Butane	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.95 U	NA	NA	NA	NA	NA	1.1 UJ	0.68 UJ	0.96 U	1.3 U	1.0 U	0.48 U
Butanone, 2-	0.44 J	0.59 U	0.59 U	0.70	0.27 J	1.2 U	4.4	22.7	5.6 J	20.3	8.6	1.5 J	1.7 U	2.4	6.4	2.3	0.59 U
Carbon disulfide	0.62 U	0.62 U	0.62 U	0.62 U	0.50 J	0.50 J	2.8	3.4	2.4 U	10 U	2.5	1.4 U	0.71 U	2.8 J	15	7.8	0.37 J
Carbon tetrachloride	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	2.5 U	4.4 U	5 U	4.8 U	20.1 U	5 U	2.8 U	1.4 U	2.6 UJ	3.6 UJ	2.8 U	1.3 U
Chlorobenzene	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	3.2 U	3.6 U	3.5 U	14.7 U	3.7 U	2.1 U	1.0 U	1.9 U	2.6 U	2.0 U	0.92 U
Chloroethane	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	1.0 U	1.8 U	2.1 U	2 U	8.4 U	2.1 U	1.2 U	0.60 U	1.1 U	1.5 U	1.2 U	0.53 U
Chloroform	1.7	1.7	0.98 U	0.45 J	1.2	1.4 J	3.4 U	3.9 U	3.7 U	15.6 U	3.9 U	2.2 U	0.44 J	2.5	2.9	2.7	0.49 J
Chloromethane	0.12 J	0.41 U	0.17 J	0.27 J	0.41 U	0.83 U	5.8 U	6.6 U	6.2 U	26.8 U	6.6 U	0.94 U	0.47 UJ	0.84 U	0.55 J	0.91 U	0.41 U
Chlorotoluene, 2-	1.0 U	1.0 U	1 U	1.0 U	1.0 U	2.1 U	NA	NA	NA	NA	NA	2.4 U	1.2 U	2.1 U	2.9 U	2.3 U	1.0 U
Cryofluorane	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	2.8 U	4.9 U	5.5 U	5.3 U	22.4 U	5.6 U	3.2 U	1.6 U	2.8 U	4 U	3.1 U	1.4 U
Cyclohexane	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	1.4 U	130.8	5.9	2.6 U	11 U	2.8 U	1.6 U	0.79 U	36	3.1	0.68 J	1.4
Decane, n-	0.76 J	1.2 U	1.2 U	1.2 U	1.2 U	2.3 U	NA	NA	NA	NA	NA	2.6 UJ	1.3 U	14	5.2	2.6 U	1.2 U
Dibromochloromethane	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	3.4 U	6 U	6.7 U	6.5 U	27.3 U	6.8 U	3.9 U	1.9 U	3.5 U	4.8 U	3.8 U	1.7 U
Dibromoethane, 1,2-	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.1 U	5.4 U	6.1 U	5.8 U	24.6 U	6.1 U	3.5 U	1.8 U	3.1 U	4.4 U	3.4 U	1.5 U
Dichlorobenzene, 1,2-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	2.4 U	4.2 U	4.7 U	4.6 U	19.2 U	4.8 U	2.7 U	1.4 U	2.4 U	3.4 U	2.7 U	1.2 U
Dichlorobenzene, 1,3-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	2.4 U	4.2 U	72.1	4.6 U	19.2 U	4.8 U	2.7 U	1.4 U	2.4 U	3.4 U	2.7 U	1.2 U
Dichlorobenzene, 1,4-	0.84 J	0.66 J	1.2 U	1.2 U	1.2 U	2.4 U	4.2 U	4.7 U	4.6 U	19.2 U	4.8 U	2.7 UJ	1.4 U	2.2 J	1.2 J	2.7 U	1.2 U
Dichlorodifluoromethane	2.1	2.7	2.2	2.0	1.1	2.5	3.5 U	3.9 U	3.8 U	15.8 U	4 U	3.0	2.6 U	2.6	2.8 J	3.0	2.6
Dichloroethane, 1,1-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	1.6 U	2.8 U	3.2 U	3.1 U	13 U	3.2 U	1.8 U	0.92 U	1.6 U	2.3 U	1.8 U	0.81 U
Dichloroethane, 1,2-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	1.6 U	2.8 U	3.2 U	3.1 U	13 U	3.2 U	1.8 U	0.92 U	1.6 U	2.3 U	1.8 U	0.81 U
Dichloroethene, 1,1-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	2.8 U	3.1 U	3 U	12.7 U	3.2 U	1.8 U	0.90 U	1.6 U	2.2 U	1.8 U	0.79 U
Dichloroethene, cis-1,2-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	2.8 U	3.1 U	3 U	12.7 U	3.2 U	1.8 U	0.90 U	1.6 U	2.2 U	1.8 U	0.79 U
Dichloropropane, 1,2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	3.2 U	3.7 U	3.5 U	14.8 U	3.7 U	2.1 U	1.0 U	1.9 U	2.6 U	2.0 U	0.92 U
Dichloropropene, cis-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	1.8 U	3.2 U	3.6 U	3.4 U	14.5 U	3.6 U	2.1 U	1.0 U	1.8 U	2.6 U	2.0 U	0.91 U
Dichloropropene, trans-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	1.8 U	3.2 U	3.6 U	3.4 U	14.5 U	3.6 U	2.1 U	1.0 U	1.8 U	2.6 U	2.0 U	0.91 U
Dioxane, 1,4-	0.72 U	0.72 U	0.72 U	0.72 U	0.72 UJ	1.4 U	10.1 U	11.5 U	10.8 U	46.8 U	11.5 U	4.1 U	0.62 J	1.5 U	2 U	1.6 U	1.8 U
Dodecane, n-	3.1 J	3.3	1.4 UJ	0.61 J	1.4 U	2.8 U	NA	NA	NA	NA	NA	2.4 J	1.5 U	29	16	1.1 J	0.56 J
Ethanol	1.2 J	1.1 J	0.75 J	0.98 J	2.4 U	3.8 U	96.1	829 EJ	20.7	52.8	37.7	18 J	18 U	3 J	34	21	2.5 U
Ethylthiophene, 2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	NA	NA	NA	NA	NA	2.1 U	1.0 U	1.9 U	2.6 U	2.0 U	0.92 U

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG08 6/18/2008	OU2SG08 9/16/2008	OU2SG08 12/23/2008	OU2SG08 3/12/2009	OU2SG-08 6/8/2009	OU2SG-08 9/21/2009	OU2SG09 5/25/2005	OU2SG09 8/31/2005	OU2SG09 2/2/2006	OU2SG09 6/15/2006	OU2SG09 9/8/2006	OU2SG09 2/21/2007	Duplicate of OU2SG09 2/21/2007	OU2SG09 5/24/2007	OU2SG09 7/25/2007	OU2SG09 9/12/2007	OU2SG09 12/19/2007
Ethyltoluene, p-	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	2.0 U	3.4 U	27.5	3.7 U	15.7 U	31	2.2 UJ	1.1 U	2 U	2.8 U	2.2 U	0.98 U
Heptane, n-	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	1.6 U	135.2	10.2	3.1 U	13.1 U	9	1.9 U	0.94 UJ	1.7 U	2.3 U	1.8 U	0.82 U
Hexachlorobutadiene	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.3 UJ	29.9 U	34.1 U	32 U	138.6 U	34.1 U	4.8 UJ	2.4 U	4.3 U	6 U	4.7 U	2.1 U
Hexane, n-	0.70 U	0.70 U	0.7 U	0.70 U	0.70 U	1.4 U	2.5 U	9.2	2.7 U	11.3 U	8.8	1.3 J	2.3 UJ	1.8	3.8	4.9	0.70 U
Hexanone, 2-	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	1.6 U	11.5 U	13.1 U	12.3 U	53.3 U	13.1 U	4.6 U	2.3 U	1.7 U	0.75 J	1.8 U	0.82 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	0.97 U	0.97 U	0.97 U	0.97 U	0.97 UJ	1.9 U	NA	NA	NA	NA	15.5 U	0.55 J	1.1 U	2 U	2.7 U	2.1 U	0.97 U
Indene	0.95 U	0.95 U	0.95 U	0.95 U	0.95 UJ	1.9 U	NA	NA	NA	NA	15.2 U	2.2 U	1.1 U	1.9 U	2.7 U	2.1 U	0.95 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	3.4 U	3.9 U	3.7 U	15.7 U	3.9 U	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	1.4 U	2.5 U	21.6	2.7 U	11.5 U	2.9 U	1.6 U	0.82 U	1.5 U	2 U	1.6 U	0.72 U
Methyl-2-pentanone, 4-	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	1.6 U	2.9 U	7.4	3.1 U	13.1 U	3.3 U	1.9 UJ	0.94 U	1.7 U	2.3 U	1.8 U	0.82 U
Methylene chloride	1.7 U	0.69 U	2 U	1.7 U	1.7 U	3.5 U	2.4 U	2.7 U	2.6 U	11.1 U	2.8 U	31 J	9.8 U	29	13	12	0.69 U
Methylnaphthalene, 1-	2.9 U	1.2 U	R	1.2 U	1.2 U	2.3 U	NA	NA	NA	NA	NA	33 U	17 U	30 U	3.3 U	13 U	14 UJ
Methylnaphthalene, 2-	2.9 UJ	1.2 U	14 UJ	1.2 U	1.2 U	2.3 U	NA	NA	NA	NA	NA	33 U	17 UJ	12 U	41 U	32 U	14 U
Methylthiophene, 2-	0.80 U	0.80 U	0.8 U	0.80 U	0.80 U	1.6 U	NA	NA	NA	NA	NA	1.8 U	0.92 U	1.6 U	2.3 U	1.8 U	0.80 U
Methylthiophene, 3-	0.80 U	0.80 U	0.8 U	0.80 U	0.80 U	1.6 U	NA	NA	NA	NA	NA	1.8 U	0.92 U	1.6 U	2.3 U	1.8 U	0.80 U
Naphthalene	0.26 J	1.0 U	1 U	1.0 U	1.0 U	2.1 U	14.7 U	16.8 U	15.7 U	68.1 UJ	16.8 U	5.9 UJ	3.0 U	1.2 J	1.5 J	2.3 U	1.0 U
Nonane	1.0 U	1.0 U	1 U	1.0 U	1.0 U	2.1 U	NA	NA	NA	NA	NA	0.71 J	1.2 U	2.1 U	2 J	2.3 U	1.0 U
Octane, n-	2.8	0.51 J	0.93 U	0.93 U	0.93 U	1.9 U	NA	NA	NA	NA	NA	0.53 J	1.1 U	1.9 U	2.6 U	2.1 U	0.93 U
Pentane	0.59 U	0.59 U	0.59 U	0.60	0.59 U	1.2 U	NA	NA	NA	NA	NA	1.3 UJ	3.6 UJ	1.2 U	1.7 U	1.3 U	0.59 U
Propanol, 2-	1.2 UJ	0.49 U	0.49 U	1.2 U	1.2 U	2.4 U	8.8 J	786.5 EJ	7.4 U	32 U	7.9 U	1.8 J	2.6 UJ	1.3 J	2.5 J	1.1 U	0.49 U
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	3.4 U	5.4	3.7 U	15.7 U	7.4	NA	NA	NA	NA	NA	NA
Styrene	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	1.7 U	3 U	4	3.2 U	13.6 U	3.4 U	1.9 UJ	0.97 U	1.7 U	2.4 U	1.9 U	0.85 U
t-Butyl alcohol	0.61 U	0.61 U	0.61 U	1.5 U	0.61 U	1.2 U	NA	NA	NA	NA	NA	1.4 U	0.69 U	1.2 U	3.8	1.0 J	0.61 U
Tetrachloroethane, 1,1,2,2-	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	2.7 U	4.8 U	5.4 U	5.2 U	22 U	5.5 U	3.1 U	1.6 U	2.8 U	3.9 U	3.0 U	1.4 U
Tetrachloroethene	0.68 J	0.68 J	1.4 U	1.4 U	0.52 J	2.7 U	10.2	29.8	5.2	29.2	14.9	3.1 U	1.5 U	2.8 U	3.8 U	3.0 U	1.4 U
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	2.1 U	7.1	2.2 U	9.4 U	2.4 U	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 UJ	NA	NA	NA	NA	NA	2.5 U	1.2 U	3.2 J	1.9 J	30 U	1.1 U
Thiophene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	1.4 U	NA	NA	NA	NA	NA	1.6 U	0.78 U	1.4 U	2 UJ	1.5 U	0.69 U
Trans-1,2-dichloroethene	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	2.8 U	3.1 U	3 U	12.7 U	3.2 U	1.8 U	0.90 U	1.6 U	2.2 U	1.8 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	0.69 J	0.61 J	1.5 U	0.52 J	0.77 J	3.1 U	5.4 U	6.1 U	5.8 U	24.5 U	6.1 U	3.5 UJ	1.8 U	3.1 U	4.3 U	3.4 U	1.5 U
Trichlorobenzene, 1,2,4-	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.0 U	20.8 U	23.7 U	22.3 U	96.5 U	23.7 U	3.4 UJ	1.7 U	3 U	4.2 U	3.3 U	1.5 U
Trichloroethane, 1,1,1-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	3.8 U	4.3 U	4.1 U	17.5 U	4.4 U	2.5 U	1.2 U	2.2 UJ	3.1 U	2.4 U	1.1 U
Trichloroethane, 1,1,2-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	3.8 U	4.3 U	4.1 U	17.5 U	4.4 U	2.5 U	1.2 U	2.2 U	3.1 U	2.4 U	1.1 U
Trichloroethene	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	3.8 U	4.2 U	4.1 U	17.2 U	4.3 U	2.4 U	1.2 U	2.2 U	3 U	2.4 U	1.1 U
Trichlorofluoromethane	1.5	1.4	1 J	1.1 J	1.2	1.5 J	3.9 U	4.4 U	4.3 U	18 U	4.5 U	1.3 J	1.3 U	2.3 U	1.3 J	1.5 J	0.90 J
Trimethylbenzene, 1,2,3-	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	2.0 UJ	NA	NA	NA	NA	NA	1.0 J	1.1 U	1.4 J	2.8 U	2.2 U	0.98 U
Trimethylbenzene, 1,2,4-	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	2.0 U	3.4 U	30	3.7 U	15.7 U	34.9	1.9 J	1.6 U	4.7 J	2.8 U	2.2 U	0.98 U
Trimethylbenzene, 1,3,5-	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	2.0 U	3.4 U	10.8	3.7 UJ	15.7 U	8.8	2.2 UJ	1.1 U	2 U	2.8 U	2.2 U	0.98 U
Trimethylpentane, 2,2,4-	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	1.9 U	3.3 U	16.8	387.8	4017.9	887.7	2.1 UJ	1.1 U	1.9 U	2.6 U	2.1 U	0.93 U
Undecane, n-	1.3 U	1.0 J	1.3 U	0.34 J	1.3 U	2.6 U	NA	NA	NA	NA	NA	0.87 J	1.4 U	5.8	5.9	2.8 U	1.3 U
Vinyl bromide	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	1.8 U	NA	NA	NA	NA	NA	2.0 U	1.0 U	1.8 U	2.5 U	1.9 U	0.87 U
Vinyl chloride	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	1.0 U	1.8 U	2 U	1.9 U	8.2 U	2 U	1.2 U	0.58 U	1 U	1.4 U	1.1 U	0.51 U
Other (%)																	
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	0.0182 U	0.0171 U	0.0182	0.0153 U	0.0185	0.00327 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG09 3/27/2008	OU2SG09 6/18/2008	OU2SG09 9/16/2008	OU2SG09 12/23/2008	OU2SG09 3/12/2009	OU2SG09 3/31/2009	Duplicate of OU2SG09 3/31/2009	OU2SG-09 6/8/2009	Duplicate of OU2SG-09 6/8/2009	OU2SG-09 9/21/2009	OU2SG10 5/25/2005	OU2SG10 8/31/2005	OU2SG10 2/2/2006	OU2SG10 6/15/2006	OU2SG10 9/8/2006	OU2SG10 2/22/2007	OU2SG10 6/14/2007
BTEX (ug/m3)																	
Benzene	0.64 U	0.64 UJ	0.64 U	0.19 J	0.64 U	0.64 U	0.64 U	0.35 J	0.26 J	1.3 U	2.8	4.5	5.8	26.2	19.5	2.2	2.2 J
Toluene	1.2	2.4	1.5	0.56 J	0.41 J	0.19 J	0.75 U	0.92	0.63 J	1.0 J	18.5	64.1	37.7	52.8	135.7	13	1100
Ethylbenzene	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	1.7 U	3.6 U	17.8	8.3	23.4 U	26.1	2.9	13
Xylene, m,p-	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	3.5 U	9.1	73.8	21.3	37.3	91.2	7.9	34
Xylene, o-	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	1.7 U	3.6 U	27.8	6.1	23.4 U	26.5	3.0	10
Other VOCs (ug/m3)																	
Acetaldehyde	4.5 U	8.7	3.8 J	3.1 J	2.8 U	7.3 U	5.0 U	4.5 UJ	7.9 J	12 J	NA	NA	NA	NA	NA	2.1 J	54 J
Acetone	1.4 U	4.0	1.1	2.1 U	2.4 U	2.2 U	2.0 U	4.3 U	3.4 U	6.4 UJ	111.6	206.7	35.6	950.2	102.1	17	47
Acrolein (propenal)	1.2 U	0.27 J	0.46 U	0.46 U	0.46 U	0.21 J	0.46 U	0.51 J	1.2 J	2.3 U	NA	NA	NA	NA	NA	1.0 U	1.8 UJ
Allyl chloride	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	1.2 U	10.6 U	10.6 U	8.8 U	68.9 U	9.1 U	1.4 U	2.5 U
Benzothiophene	1.1 U	1.1 U	1.1 U	1.1 UJ	1.1 U	14 UJ	14 UJ	1.1 U	1.1 U	2.2 U	NA	NA	NA	NA	NA	12 UJ	4.4 UJ
Bromodichloromethane	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	2.7 U	5.6 U	5.6 U	4.7 U	36.2 U	4.9 U	3.0 U	5.4 U
Bromoform	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 UJ	2.1 UJ	4.1 U	8.7 U	8.7 U	7.2 U	55.8 U	7.5 U	4.7 U	8.3 U
Bromomethane	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	1.6 U	3.3 U	3.3 U	2.7 U	21 U	2.8 U	1.8 U	3.1 U
Butadiene, 1,3-	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.88 U	1.9 U	1.9 U	7.3	15.7	11.3	1.0 U	1.8 U
Butane	0.48 U	0.48 U	0.48 U	0.29 J	0.23 J	0.48 U	0.48 U	0.48 U	0.48 U	0.95 U	NA	NA	NA	NA	NA	11	1.5 J
Butanone, 2-	1.5 U	0.80	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.65	0.35 J	1.2 U	8.8	14.2	5 J	79.6	15.9	1.9 J	2.4 UJ
Carbon disulfide	0.68	6.9	4.6	0.35 J	0.80	0.62 U	0.62 U	2.8	2.6	4.5	2.6 U	5.6	3.1	16.8 U	5	7.6	13 J
Carbon tetrachloride	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	2.5 U	5.3 U	5.3 U	4.4 U	34 U	4.6 U	2.8 U	5 U
Chlorobenzene	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	3.9 U	3.9 U	3.2 U	24.9 U	3.4 U	2.1 U	3.7 U
Chloroethane	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	1.0 U	2.2 U	2.2 U	1.8 U	14.2 U	1.9 U	1.2 U	2.1 U
Chloroform	1.2	3.3	2.9	0.75 J	0.81 J	0.98 U	0.98 U	3.2	3.1	1.8 J	4.1 U	10.7	3.4 U	26.4 U	3.6 U	2.2 U	1500
Chloromethane	0.41 U	0.14 J	0.41 U	0.21 J	0.41 U	0.12 J	0.14 J	0.41 U	0.14 J	0.37 J	7 U	7 U	5.8 U	45.4 U	6 U	0.93 U	1.6 U
Chlorotoluene, 2-	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.1 U	NA	NA	NA	NA	NA	2.3 U	4.1 U
Cryofluorane	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	2.8 U	5.9 U	5.9 U	4.9 U	37.7 U	5.1 U	3.2 U	5.6 U
Cyclohexane	0.25 J	0.28 J	0.17 J	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	1.4 U	271.9	3.4	2.4 U	18.6 U	2.9	1.6	270
Decane, n-	1.2 U	0.64 J	0.76 J	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	2.3 U	NA	NA	NA	NA	NA	0.92 J	4.6 J
Dibromochloromethane	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	3.4 U	7.2 U	7.2 U	6 U	46 U	6.2 U	3.8 U	6.8 U
Dibromoethane, 1,2-	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.1 U	6.5 U	6.5 U	5.4 U	41.5 U	5.6 U	3.5 U	6.1 U
Dichlorobenzene, 1,2-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	2.4 U	5.1 U	5.1 U	4.2 U	32.5 U	4.4 U	2.7 U	4.8 U
Dichlorobenzene, 1,3-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	2.4 U	5.1 U	5.1 U	4.2 U	32.5 U	4.4 U	2.7 U	4.8 U
Dichlorobenzene, 1,4-	1.2 U	1.2 U	0.30 J	1.2 U	1.2 U	1.2 U	1.2 U	0.34 J	1.2 U	2.4 U	5.1 U	5.1 U	4.2 U	32.5 U	4.4 U	2.7 UJ	4.8 U
Dichlorodifluoromethane	2.1	2.5	2.9	2.7	2.6	3.7	3.7	1.4	1.3	2.9	4.2 U	7.4	3.5 U	26.7 U	3.6 U	2.8	4 U
Dichloroethane, 1,1-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	1.6 U	3.4 U	3.4 U	2.8 U	21.9 U	3 U	1.8 U	3.2 U
Dichloroethane, 1,2-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	1.6 U	3.4 U	3.4 U	2.8 U	21.9 U	3 U	1.8 U	3.2 U
Dichloroethene, 1,1-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	3.3 U	3.3 U	2.8 U	21.4 U	2.9 U	1.8 U	3.2 U
Dichloroethene, cis-1,2-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	3.3 U	3.3 U	2.8 U	21.4 U	2.9 U	1.8 U	3.2 U
Dichloropropane, 1,2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	3.9 U	3.9 U	3.2 U	25 U	3.4 U	2.1 U	3.7 U
Dichloropropene, cis-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	1.8 U	3.8 U	3.8 U	3.2 U	24.5 U	3.3 U	2.0 U	3.6 U
Dichloropropene, trans-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	1.8 U	3.8 U	3.8 U	3.2 U	24.5 U	3.3 U	2.0 U	3.6 U
Dioxane, 1,4-	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 UJ	0.72 UJ	1.4 U	12.3 U	12.3 U	10.1 U	79.3 U	10.5 U	4.1 U	7.2 U
Dodecane, n-	1.4 U	2.1 J	2.1	1.4 UJ	1.4 U	1.4 U	0.35 J	0.40 J	0.41 J	2.8 U	NA	NA	NA	NA	NA	1.1 J	3.6 J
Ethanol	0.84 J	1.6 J	1.0 J	2.3	0.50 J	190 J	15 J	2.8 U	3.4 U	3.8 U	75.4	33.9	35.8	92.3	45.2	54	5 J
Ethylthiophene, 2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	NA	NA	NA	NA	NA	2.1 U	3.7 U

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG09 3/27/2008	OU2SG09 6/18/2008	OU2SG09 9/16/2008	OU2SG09 12/23/2008	OU2SG09 3/12/2009	OU2SG09 3/31/2009	Duplicate of OU2SG09 3/31/2009	OU2SG-09 6/8/2009	Duplicate of OU2SG-09 6/8/2009	OU2SG-09 9/21/2009	OU2SG10 5/25/2005	OU2SG10 8/31/2005	OU2SG10 2/2/2006	OU2SG10 6/15/2006	OU2SG10 9/8/2006	OU2SG10 2/22/2007	OU2SG10 6/14/2007
Ethyltoluene, p-	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	2.0 U	4.1 U	30.5	3.4 U	26.5 U	28.5	0.89 J	3.9 U
Heptane, n-	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	1.4	1.0	0.82 U	0.82 U	1.6 U	282.8	8.2	2.9 U	22.1 U	13.5	2.2	15
Hexachlorobutadiene	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.3 UJ	36.3 U	36.3 U	29.9 U	234.6 U	30.9 UJ	4.8 UJ	8.5 U
Hexane, n-	0.70 U	0.70 U	0.70 U	0.7 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	1.4 U	3.9 J	6.7	7	19 U	15.2	6.0	400
Hexanone, 2-	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	1.6 U	13.9 U	13.9 U	11.5 U	90.1 U	11.9 U	4.6 U	3.3 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 UJ	0.97 UJ	1.9 U	NA	NA	NA	NA	14 U	0.65 J	3.9 U
Indene	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 UJ	0.95 UJ	1.9 U	NA	NA	NA	NA	13.8 U	2.2 U	3.8 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.1 U	4.1 U	3.4 U	26.5 U	3.6 U	NA	NA
Methyl tert-butyl ether	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	1.4 U	4.3	9.7	2.5 U	19.5 U	2.6 U	1.6 U	2.9 U
Methyl-2-pentanone, 4-	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	1.6 U	3.4 U	3.4 U	2.9 U	22.1 U	3 U	1.1 J	3.3 U
Methylene chloride	0.32 J	1.7 U	2.1 U	3.4 U	1.7 U	1.7 U	1.7 U	0.70 J	0.61 J	1.2 J	2.9 U	2.9 U	2.4 U	18.8 U	2.5 U	32 J	25
Methylnaphthalene, 1-	1.2 U	2.9 U	1.2 U	R	1.2 U	5.8 U	5.8 U	1.2 U	1.2 U	2.3 U	NA	NA	NA	NA	NA	33 U	4.6 UJ
Methylnaphthalene, 2-	1.2 U	2.9 UJ	1.2 U	14 UJ	1.2 U	5.8 U	5.8 U	1.2 U	1.2 U	2.3 U	NA	NA	NA	NA	NA	33 U	4.6 UJ
Methylthiophene, 2-	0.80 U	0.80 U	0.80 U	0.8 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	1.6 U	NA	NA	NA	NA	NA	1.8 U	3.2 U
Methylthiophene, 3-	0.80 U	0.80 U	0.80 U	0.8 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	1.6 U	NA	NA	NA	NA	NA	1.8 U	3.2 U
Naphthalene	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.1 U	17.8 U	17.8 U	14.7 U	115.3 UJ	15.2 U	5.9 U	4.2 U
Nonane	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.1 U	NA	NA	NA	NA	NA	1.4 J	4.3
Octane, n-	0.93 U	1.3	1.3	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	1.9 U	NA	NA	NA	NA	NA	1.4 J	4.4
Pentane	0.59 U	0.59 U	0.59 U	0.45 J	0.22 J	0.59 U	0.59 U	0.60	0.59 U	1.2 U	NA	NA	NA	NA	NA	4.1	2.4 U
Propanol, 2-	0.27 J	1.2 UJ	0.49 U	0.78	1.2 U	12 J	1.3 UJ	1.2 U	1.2 U	2.4 U	8.4 U	8.4 U	6.9 U	76.2	7.1 U	3.0	18
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.1 U	6.4	3.4 U	26.5 U	7.4	NA	NA
Styrene	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	1.7 U	3.6 U	3.6 U	3 U	23 U	3.1 U	1.9 U	3.4 U
t-Butyl alcohol	0.61 U	0.61 U	0.61 U	0.61 U	1.5 U	0.61 U	0.61 U	0.61 U	0.61 U	1.2 U	NA	NA	NA	NA	NA	1.4 U	2.4 U
Tetrachloroethane, 1,1,2,2-	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	2.7 U	5.8 U	5.8 U	4.8 U	37.1 U	5 U	3.1 U	5.5 U
Tetrachloroethene	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4	1.6	1.4 U	1.4 U	2.7 U	41.4	6.8	7.5	36.6 U	17	3.1 U	12
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.1 U	15.9 U	2.8	NA	NA
Tetramethylbenzene, 1,2,4,5-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	5.5 U	5.5 U	1.1 U	1.1 U	2.2 UJ	NA	NA	NA	NA	NA	2.5 U	4.4 U
Thiophene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	1.4 U	NA	NA	NA	NA	NA	1.6 U	2.8 U
Trans-1,2-dichloroethene	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	3.3 U	3.3 U	2.8 U	21.4 U	2.9 U	1.8 U	3.2 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	0.57 J	0.61 J	0.61 J	0.54 J	0.48 J	0.54 J	0.54 J	0.70 J	0.74 J	0.92 J	6.4 U	6.4 U	5.4 U	41.4 U	5.6 U	3.5 U	6.1 U
Trichlorobenzene, 1,2,4-	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.0 U	25.2 U	25.2 U	20.8 U	163.3 U	21.5 UJ	3.4 UJ	5.9 U
Trichloroethane, 1,1,1-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	4.8	4.7	1.1 U	1.1 U	2.2 U	4.6 U	4.6 U	3.8 U	29.5 U	4 U	2.5 U	4.4 U
Trichloroethane, 1,1,2-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	4.6 U	4.6 U	3.8 U	29.5 U	4 U	2.5 U	4.4 U
Trichloroethene	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	4.5 U	4.5 U	3.8 U	29 U	3.9 U	2.4 U	4.3 U
Trichlorofluoromethane	1.2	1.3	1.4	1.1 J	1.0 J	2.0	1.8	1.2	1.2	1.6 J	4.7 U	16.3	3.9 U	30.3 U	14.6	1.6 J	9.4
Trimethylbenzene, 1,2,3-	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	2.0 UJ	NA	NA	NA	NA	NA	1.3 J	3.9 U
Trimethylbenzene, 1,2,4-	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	2.0 U	4.1 U	34.4	3.4 U	26.5 U	28 J	2.8	5.5
Trimethylbenzene, 1,3,5-	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	2.0 U	4.1 U	11.8	3.4 UJ	26.5 U	8.4	0.78 J	2.1 J
Trimethylpentane, 2,2,4-	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	1.9 U	3.9 U	7.9	794.2	6540.8	841	3.0 J	2.5 J
Undecane, n-	1.3 U	1.3 U	0.70 J	1.3 U	1.3 U	1.3 U	1.3 U	0.36 J	1.3 U	2.6 U	NA	NA	NA	NA	NA	0.87 J	5.1 U
Vinyl bromide	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	1.8 U	NA	NA	NA	NA	NA	2.0 U	3.5 U
Vinyl chloride	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	1.0 U	2.1 U	2.1 U	1.8 U	13.8 U	1.9 U	1.2 U	2 U
Other (%)																	
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NA	0.02 U	0.015 U	0.0248	0.0162 U	0.0174 U	0.0194 U	0.019	0.0187	0.00301 U	NA	NA	NA	NA	NA	NA	NA

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG10 7/25/2007	OU2SG10 9/19/2007	OU2SG10 12/19/2007	OU2SG10 3/27/2008	OU2SG10 6/23/2008	OU2SG10 9/22/2008	OU2SG10 12/29/2008	OU2SG10 3/31/2009	OU2SG10 6/17/2009	OU2SG10 9/23/2009	OU2SG11 2/21/2007	OU2SG11 6/14/2007	OU2SG11 9/12/2007	OU2SG11 12/19/2007	OU2SG11 4/3/2008	OU2SG11 6/19/2008	Duplicate of OU2SG11 6/19/2008
BTEX (ug/m3)																	
Benzene	1.5 UJ	1.4 U	0.26 J	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	1.3 U	3.6	4	2.1	0.19 J	0.64 U	0.16 J	0.64 UJ
Toluene	70 J	3.9	6.5	0.43 J	0.87	0.38 J	0.75 U	0.23 J	1.6	1.5 U	29	2300	1700	120	190	150	160
Ethylbenzene	2.7 J	2.0 U	0.87 U	0.87 U	0.43 J	0.87 U	0.87 U	0.87 U	0.87 U	1.7 U	5.8	13	13	5.2	8.2	8.3	7.8
Xylene, m,p-	50 J	8.2	0.39 J	1.7 U	1.6 J	1.7 U	1.7 U	1.7 U	1.7 U	3.5 U	17	38	41	21	28	20	22
Xylene, o-	12 J	1.3 J	0.87 U	0.87 U	0.74 J	0.87 U	0.87 U	0.87 U	0.87 U	1.7 U	5.4	11	13	7.2	9.0	6.6	7.3
Other VOCs (ug/m3)																	
Acetaldehyde	110 J	4.1 U	1.8 U	4.5 U	11	5.7 J	6.8 J	3.6 U	4.6 U	4.0 J	1600 J	66 U	91	1.8 U	4.5 U	11	9.1
Acetone	14 J	5.3	1.8 U	1.8 U	3.9 U	2.5	1.3 U	5.0 U	3.7 U	4.8 U	5.0 U	67	8.9	2.3 U	2.3 U	1.2 UJ	3.3 J
Acrolein (propenal)	1.1 U	1.0 U	0.46 U	1.2 U	0.73	0.46 U	0.46 U	0.46	0.90 J	2.3 U	0.96 U	1.8 U	1.0 J	0.46 U	1.2 U	0.46 U	0.25 J
Allyl chloride	1.5 U	1.4 U	0.63 UJ	0.63 U	0.63 UJ	0.63 U	0.63 U	0.63 U	0.63 U	1.2 U	1.3 U	2.5 U	1.4 U	0.63 UJ	0.63 U	0.63 U	0.63 U
Benzothiophene	2.6 U	2.5 U	1.1 UJ	1.1 U	1.1 U	1.1 U	1.1 UJ	1.4 UJ	1.1 U	2.2 U	12 UJ	4.3 U	3.2 U	1.1 UJ	1.1 UJ	1.1 UJ	1.1 U
Bromodichloromethane	3.2 U	3.0 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	2.7 U	120	17	3.1 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	4.9 U	4.7 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.1 U	4.3 U	8.1 U	4.8 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	1.8 U	1.8 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	1.6 U	1.6 U	3.1 U	1.8 U	0.78 U	0.78 U	0.78 U	0.78 U
Butadiene, 1,3-	1 U	1.0 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.88 U	0.93 U	1.7 U	1.0 U	0.44 U	0.44 U	0.44 U	0.44 U
Butane	1.2 J	0.92 J	1.3	0.26 J	0.38 J	0.48 U	0.48 U	0.48 U	0.32 J	0.95 U	9660	31	1.1 U	0.48 U	2.0	2.9	2.6
Butanone, 2-	4.2 J	2.1	0.35 J	0.16 J	0.85	0.44 J	0.59 U	1.3	0.77	1.2 U	2.7 J	2.3 U	1.4 U	0.65	0.48 J	0.83	0.56 J
Carbon disulfide	17 J	6.3	3.6	0.83	18	8.4	0.93	3.9	3.0	1.4	1.3 U	27	17	0.72	12	27	32
Carbon tetrachloride	3 UJ	2.8 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	2.5 U	2.6 U	5 U	2.9 U	1.3 U	0.63 J	0.50 J	0.57 J
Chlorobenzene	2.2 U	2.1 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	1.2 J	3.6 U	2.1 U	0.92 U	0.92 U	0.92 U	0.92 U
Chloroethane	1.2 U	1.2 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	1.0 U	1.1 U	2.1 U	1.2 U	0.53 U	0.53 U	0.53 U	0.53 U
Chloroform	1600	1000	240	160	580	280	59	52	100	76	1350	87	5.9	0.29 J	2.3	1.7	1.7
Chloromethane	0.97 U	0.94 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 UJ	0.41 UJ	0.41 UJ	0.83 UJ	0.87 U	1.6 U	0.95 U	0.41 U	0.41 U	0.12 J	0.17 J
Chlorotoluene, 2-	2.4 U	2.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.1 U	2.2 U	4.1 U	2.4 U	1.0 U	1.0 U	1.0 U	1.0 U
Cryofluorane	3.3 U	3.2 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	2.8 U	2.9 U	5.5 U	3.2 U	1.4 U	1.4 U	1.4 U	1.4 U
Cyclohexane	470 J	130	2.1	0.25 J	0.31 J	0.69 U	0.69 U	0.69 U	0.69 U	1.4 U	410	430	190	4.4	55	58 J	41 J
Decane, n-	19 J	2.6 U	1.2 U	1.2 U	51	0.64 J	1.2 U	1.2 U	1.1 J	2.3 U	1.3 J	4.6 U	2.7 U	1.2 U	1.2 UJ	16	15
Dibromochloromethane	4 U	3.9 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	3.4 U	5.4	6.7 U	3.9 U	1.7 U	1.7 U	1.7 U	1.7 U
Dibromoethane, 1,2-	3.6 U	3.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.1 U	3.2 U	6 U	3.6 U	1.5 U	1.5 U	1.5 U	1.5 U
Dichlorobenzene, 1,2-	2.8 U	2.7 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	2.4 U	2.5 U	4.7 U	2.8 U	1.2 U	1.2 U	0.36 J	0.42 J
Dichlorobenzene, 1,3-	2.8 U	2.7 U	1.2 U	1.2 U	4.4	1.2 U	1.2 U	1.2 U	1.2 U	2.4 U	2.5 U	4.7 U	2.8 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,4-	2.4 J	1.2 J	1.2 U	1.2 U	0.54 J	1.2 U	1.2 U	1.2 U	1.2 U	2.4 U	2.5 UJ	4.7 U	2.2 J	0.78 J	0.99 J	2.0	2.2
Dichlorodifluoromethane	5.1 J	2.2 U	3.2	1.9	4.6	4.7	2.9	2.6	3.2	3.5	0.73 J	2 J	2.4	3.1	2.3	1.8	2.3
Dichloroethane, 1,1-	1.9 U	1.8 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	1.6 U	1.7 U	3.2 U	1.9 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethane, 1,2-	1.9 U	1.8 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	1.6 U	1.7 U	3.2 U	1.9 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethene, 1,1-	1.9 U	1.8 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	1.7 U	3.1 U	1.8 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloroethene, cis-1,2-	1.9 U	1.8 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	1.7 U	3.1 U	1.8 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloropropane, 1,2-	2.2 U	2.1 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	1.9 U	3.6 U	2.1 U	0.92 U	0.92 U	0.92 U	0.92 U
Dichloropropene, cis-1,3	2.1 U	2.1 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	1.8 U	1.9 U	3.6 U	2.1 U	0.91 U	0.91 U	0.91 U	0.91 U
Dichloropropene, trans-1,3	2.1 U	2.1 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	1.8 U	1.9 U	3.6 U	2.1 U	0.91 U	0.91 U	0.91 U	0.91 U
Dioxane, 1,4-	1.7 U	1.6 U	1.8 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	1.4 U	3.8 U	7.1 U	1.7 U	1.8 U	0.72 U	0.72 U	0.72 U
Decadecane, n-	3.3 U	0.79 J	0.90 J	1.4 U	36 J	11	1.4 UJ	1.4 U	0.59 J	2.9 J	1.5 J	25	4.3	1.0 J	1.0 J	0.90 J	1.7 J
Ethanol	18 J	14	1.4 J	0.97 J	1.7 J	0.90 J	0.71 J	0.94 J	6.0 U	3.8 U	30	10	30	2.8	1.9 J	0.75 J	0.94 J
Ethylthiophene, 2-	2.2 U	2.1 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	1.9 U	3.6 U	2.1 U	0.92 U	0.92 U	0.92 U	0.92 U

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG10 7/25/2007	OU2SG10 9/19/2007	OU2SG10 12/19/2007	OU2SG10 3/27/2008	OU2SG10 6/23/2008	OU2SG10 9/22/2008	OU2SG10 12/29/2008	OU2SG10 3/31/2009	OU2SG-10 6/17/2009	OU2SG-10 9/23/2009	OU2SG11 2/21/2007	OU2SG11 6/14/2007	OU2SG11 9/12/2007	OU2SG11 12/19/2007	OU2SG11 4/3/2008	OU2SG11 6/19/2008	Duplicate of OU2SG11 6/19/2008	
Ethyltoluene, p-	3.2 J	0.78 J	0.98 U	0.98 U	0.44 J	0.98 U	0.98 U	0.98 U	0.98 U	2.0 U	1.0 J	3.9 U	1.2 J	0.34 J	0.42 J	0.49 J	0.59 J	
Hepiane, n-	0.65 J	1.9 U	0.82 UJ	0.82 U	1.1 J	0.82 U	0.82 U	0.82 U	0.82 U	1.6 U	58	12	4.4	0.82 UJ	0.82 UJ	0.20 J	0.82 U	
Hexachlorobutadiene	5 U	4.8 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.3 U	4.5 UJ	8.4 U	4.9 U	2.1 U	2.1 U	2.1 U	2.1 UJ	
Hexane, n-	130	10	0.99	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.20 J	1.4 U	530	540	180	0.95	6.8	3.9 J	2.7 J	
Hexanone, 2-	0.67 J	1.9 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	1.6 U	4.3 U	3.2 U	1.9 U	0.82 U	0.82 U	0.82 U	0.82 U	
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Indan	2.3 J	0.55 J	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	1.9 U	0.71 J	3.8 U	2.2 U	0.34 J	0.30 J	0.53 J	0.53 J	
Indene	2.2 U	2.2 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	1.9 U	2.0 U	3.7 U	2.2 U	0.95 U	0.95 U	0.95 U	0.95 U	
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methyl tert-butyl ether	1.7 U	1.6 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	1.4 U	1.5 U	2.8 U	1.7 U	0.72 U	0.72 U	0.72 UJ	0.72 UJ	
Methyl-2-pentanone, 4-	1.9 U	1.9 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	1.6 U	1.7 U	3.2 U	1.9 U	0.82 U	0.82 U	0.82 U	0.82 U	
Methylene chloride	9.9 J	11	0.69 U	0.34 J	2.0 U	2.7 U	2.8	1.7 U	1.7 U	3.5 U	15 J	4.1 J	10	0.69 U	1.7 U	1.7 U	1.3 U	
Methylnaphthalene, 1-	4.4 J	2.6 U	14 UJ	1.2 U	2.9 UJ	1.2 U	R	5.8 U	1.2 U	2.3 UJ	30 U	4.6 U	13 U	14 UJ	1.2 UJ	2.9 UJ	2.9 UJ	
Methylnaphthalene, 2-	11 J	2.6 U	14 UJ	1.2 U	2.9 UJ	1.2 U	14 UJ	5.8 U	1.2 U	2.3 U	30 U	4.6 U	0.67 J	14 UJ	1.2 UJ	0.46 J	2.9 UJ	
Methylthiophene, 2-	1.9 U	1.8 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	1.6 U	1.7 U	3.2 U	1.8 U	0.80 U	0.80 U	0.80 U	0.80 U	
Methylthiophene, 3-	1.9 U	1.8 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	1.6 U	1.7 U	3.2 U	1.8 U	0.80 U	0.80 U	0.80 U	0.80 U	
Naphthalene	5.2 J	0.83 J	1.0 U	1.0 U	0.89 J	1.0 U	1.0 UJ	1.0 U	1.0 U	2.1 U	5.5 U	4.1 U	2.7	0.94 J	0.79 J	1.5	0.84 J	
Nonane	2.5 U	2.4 U	1.0 U	1.0 U	0.73 J	1.0 U	1.0 U	1.0 U	1.0 U	2.1 U	1.4 J	4.4	2.7	1.9	1.0 U	1.0 U	1.0 U	
Octane, n-	2.2 U	2.1 U	0.93 U	0.93 U	220	0.37 J	0.93 U	0.93 U	0.24 J	1.9 U	4.8	2.6 J	0.86 J	0.56 J	0.93 U	1.5	0.89 J	
Pentane	1.4 U	1.3 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	1.4	1.2 U	2140	8.2	1.4 U	0.59 U	1.4	0.65	0.44 J	
Propanol, 2-	20 J	17	0.49 U	1.2 UJ	11 J	5.8 J	0.49 UJ	0.49 UJ	1.2 U	2.5 UJ	3.0	2.6 J	1.5	1.6 J	0.48 J	0.49 J	0.47 J	
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Styrene	2 U	1.9 U	0.85 U	0.85 U	0.34 J	0.85 U	0.85 U	0.85 U	0.85 U	1.7 U	1.8 U	3.4 U	0.59 J	0.30 J	0.40 J	0.38 J	0.43 J	
t-Butyl alcohol	0.87 J	0.69 J	0.61 U	0.61 U	1.4	0.61 U	0.61 U	0.61 U	0.28 J	1.2 U	1.3 U	2.4 U	1.0 J	0.39 J	0.30 J	0.61 U	0.61 U	
Tetrachloroethane, 1,1,2,2-	3.2 U	3.1 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	2.7 U	2.9 U	5.4 U	3.2 U	1.4 U	1.4 U	1.4 U	1.4 U	
Tetrachloroethene	14 J	8.2	1.6	0.94 J	5.0	5.1	0.90 J	1.0 J	3.4 U	2.8	14	11	1.6 J	1.4 U	1.4 U	0.95 J	1.5	
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Tetramethylbenzene, 1,2,4,5-	7.3 J	2.1 J	1.1 U	1.1 U	2.4 J	1.1 U	1.1 U	1.1 U	5.5 U	1.1 U	2.2 U	2.3 U	4.3 J	6.1 J	3.3	3.2	16 J	17 J
Thiophene	1.6 UJ	1.6 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	1.4 U	1.4 U	2.7 U	1.6 U	0.69 U	0.69 U	0.69 U	0.69 U	
Trans-1,2-dichloroethene	1.9 U	1.8 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	1.7 U	3.1 U	1.8 U	0.79 U	0.79 U	0.79 U	0.79 U	
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6 U	3.5 U	1.5 U	0.39 J	0.69 J	0.61 J	0.48 J	0.61 J	1.5 U	3.1 U	3.2 U	6 U	3.5 U	1.5 U	0.82 J	1.5 U	0.46 J	
Trichlorobenzene, 1,2,4-	3.5 U	3.4 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 UJ	1.5 U	1.5 U	3.0 U	3.1 UJ	5.8 U	3.4 U	1.5 U	1.5 U	1.5 U	1.5 U	
Trichloroethane, 1,1,1-	1.4 J	1.7 J	1.1 U	0.32 J	1.5	1.5	0.43 J	0.33 J	0.71 J	0.98 J	2.3 U	4.3 U	2.5 U	1.1 U	1.1 U	1.1 U	1.1 U	
Trichloroethane, 1,1,2-	2.6 U	2.5 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	2.3 U	4.3 U	2.5 U	1.1 U	1.1 U	1.1 U	1.1 U	
Trichloroethene	0.66 J	0.98 J	1.1 U	1.1 U	0.48 J	0.38 J	1.1 U	1.1 U	1.1 U	2.2 U	2.3 U	4.2 U	2.5 U	1.1 U	1.1 U	1.1 U	1.1 U	
Trichlorofluoromethane	12 J	11	2.9	1.5	14	12	2.7	1.9	7.7	14 J	1.1 J	4.4 U	1.3 J	1.3 U	1.7	1.0 J	1.5	
Trimethylbenzene, 1,2,3-	4 J	1.2 J	0.98 U	0.98 U	2.6	0.98 U	0.98 U	0.98 U	0.98 U	2.0 U	2.0 J	3.9 U	1.7 J	0.54 J	1.6	1.9	2.0	
Trimethylbenzene, 1,2,4-	11 J	2.3	0.25 J	0.98 U	0.69 J	0.98 U	0.98 U	0.98 U	0.98 U	2.0 U	4.2	3.4 J	3.1	1.3	0.53 J	0.29 J	0.39 J	
Trimethylbenzene, 1,3,5-	3.6 J	1.2 J	0.98 U	0.98 U	1.2	0.98 U	0.98 U	0.98 U	0.98 U	2.0 U	1.3 J	3.9 U	1.0 J	0.39 J	0.81 J	1.4	1.5	
Trimethylpentane, 2,2,4-	2.2 U	2.1 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	1.9 U	2.0 U	4.2	2.2 U	0.93 U	0.93 UJ	0.93 U	0.93 U	
Undecane, n-	3 U	2.9 U	1.3 U	1.3 U	7.8	6.1	1.3 U	1.3 U	1.3 U	2.6 U	1.7 J	5 U	3.0 U	1.3 U	4.8	18 J	1.3 UJ	
Vinyl bromide	2.1 U	2.0 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	1.8 U	1.8 U	3.4 U	2.0 U	0.87 U	0.87 U	0.87 U	0.87 U	
Vinyl chloride	1.2 U	1.2 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	1.0 U	1.1 U	2 U	1.2 U	0.51 U	0.51 U	0.51 U	0.51 U	
Other (%)																		
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Helium	NA	NA	NA	NA	0.0187 U	0.0227 U	0.0171	0.0174 U	0.0169	0.0036 U	NA	NA	NA	NA	NA	0.0168 U	0.0178 U	

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG11 8/13/2008	OU2SG11 9/22/2008	OU2SG11 9/24/2008	OU2SG11 12/29/2008	Duplicate of OU2SG11 12/29/2008	OU2SG-11a 1/20/2009	OU2SG-11a 1/21/2009	OU2SG-11 1/22/2009	OU2SG-11 1/23/2009	OU2SG-11 1/25/2009	OU2SG-11 1/26/2009	OU2SG-11 1/30/2009	OU2SG-11 2/5/2009	OU2SG-11 2/13/2009	OU2SG-11 2/16/2009	OU2SG-11 2/17/2009	OU2SG-11 2/18/2009
BTEX (ug/m3)																	
Benzene	0.38 J	0.22 J	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.19 J	0.20 J	0.64 U	0.16 J	0.18 J	0.16 J	0.16 J	0.64 U	0.17 J
Toluene	21	11	6.6	1.7	1.1	9.7	13	12	13	12	13	18	23	48 J	28 J	18	18
Ethylbenzene	1.4 J	0.69 J	0.42 J	0.87 U	0.87 U	0.26 J	0.33 J	0.30 J	0.37 J	0.39 J	0.39 J	0.52 J	0.60 J	1.5	0.96	0.75 J	0.75 J
Xylene, m,p-	3.7	2.2	1.4 J	0.45 J	1.7 U	0.89 J	1.0 J	0.94 J	1.2 J	1.2 J	1.2 J	1.6 J	1.9	5.0	2.7	2.4	2.5
Xylene, o-	1.2	0.61 J	0.44 J	0.87 U	0.87 U	0.22 J	0.23 J	0.23 J	0.31 J	0.32 J	0.31 J	0.42 J	0.52 J	1.6	0.86 J	0.66 J	0.72 J
Other VOCs (ug/m3)																	
Acetaldehyde	29	5.4 J	5.8 J	6.0 J	3.3 U	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ	3.0 J	4.5 UJ	4.5 U	2.9 U	2.0 U
Acetone	3.2	1.7	3.2	1.7 U	3.0 U	1.8 U	1.3 U	4.1 U	2.8 U	2.5 U	2.4 U	2.3 U	1.4 UJ	1.2 UJ	2.5 U	1.6 U	1.5 U
Acrolein (propenal)	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U
Allyl chloride	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
Benzothiophene	1.1 U	1.1 U	1.1 U	1.1 UJ	1.1 UJ	1.1 U	1.1 U	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 U	1.1 U	0.59 J	1.1 U	2.7 UJ	2.7 UJ
Bromodichloromethane	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
Butadiene, 1,3-	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 UJ	0.44 UJ	0.44 U	0.44 U
Butane	3.0	1.1	0.50	0.63	0.60	0.72	0.48 U	0.48 U	0.26 J	0.38 J	0.48 U	0.70	0.48 U	0.60	0.46 J	0.48 U	0.48 U
Butanone, 2-	1.0	0.38 J	0.30 J	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	1.3	0.59 U
Carbon disulfide	72	51	19	9.7 J	3.3 J	12	4.1	4.5	4.2	5.3	3.1	5.7	1.2	3.9 J	3.8 J	0.62 U	1.5
Carbon tetrachloride	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Chlorobenzene	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Chloroethane	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U
Chloroform	2.9	1.7	1.6	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.77 J	1.7	0.91 J	0.45 J
Chloromethane	0.41 U	0.41 U	0.41 U	0.18 J	0.22 J	0.41 U	0.41 U	0.41 U	0.41 U	0.19 J	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.17 J
Chlorotoluene, 2-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cryofluorane	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Cyclohexane	80	36	17	24 J	6.8 J	21	16	10	8.1	6.2	5.5	5.8	4.1	6.4	6.7	0.86	1.6
Decane, n-	14	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.90 J	1.0 J	0.34 J	0.35 J
Dibromochloromethane	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dibromoethane, 1,2-	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Dichlorobenzene, 1,2-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,3-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,4-	1.4	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.38 J	1.2 U	1.2 U	1.2 U
Dichlorodifluoromethane	2.5	2.7	2.7	2.5	1.6	3.0	3.0	3.0	2.7	3.0	2.9	3.1	2.5	2.6	2.2	2.4	2.3
Dichloroethane, 1,1-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethane, 1,2-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethene, 1,1-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloroethene, cis-1,2-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloropropane, 1,2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Dichloropropene, cis-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dichloropropene, trans-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dioxane, 1,4-	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Decadecane, n-	0.42 J	0.42 J	0.63 J	1.4 UJ	0.90 J	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	2.8 J	2.8 J	0.39 J	0.39 J
Ethanol	2.7	0.62 J	0.66 J	0.97 J	2.6	1.8 U	0.71 J	0.81 J	1.3 J	2.2	1.1 J	0.87 J	1.2 J	1.9 U	1.9 U	0.68 J	0.86 J
Ethylthiophene, 2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG11 8/13/2008	OU2SG11 9/22/2008	OU2SG11 9/24/2008	OU2SG11 12/29/2008	Duplicate of OU2SG11 12/29/2008	OU2SG-11a 1/20/2009	OU2SG-11a 1/21/2009	OU2SG-11 1/22/2009	OU2SG-11 1/23/2009	OU2SG-11 1/25/2009	OU2SG-11 1/26/2009	OU2SG-11 1/30/2009	OU2SG-11 2/5/2009	OU2SG-11 2/13/2009	OU2SG-11 2/16/2009	OU2SG-11 2/17/2009	OU2SG-11 2/18/2009
Ethyltoluene, p-	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Heptane, n-	0.29 J	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.23 J	0.82 U	0.52 J	0.82 U	0.73 J	0.73 J	0.23 J	0.26 J
Hexachlorobutadiene	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	1.5 J	2.1 U	2.1 UJ	2.1 UJ
Hexane, n-	8.1	0.56 J	0.23 J	0.29 J	0.70 U	0.51 J	0.42 J	0.38 J	0.35 J	0.40 J	0.37 J	0.79	0.49 J	0.80 J	0.99 J	0.70 U	0.70 U
Hexanone, 2-	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	2.0 U	2.0 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U
Indene	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Methyl-2-pentanone, 4-	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Methylene chloride	0.69 UJ	1.0 U	0.69 U	1.7 U	1.7 U	0.69 U	0.69 U	0.84 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	1.7 U	1.7 U
Methylnaphthalene, 1-	1.2 U	1.2 U	12 UJ	R	5.8 UJ	5.8 UJ	5.8 U	5.8 U	5.8 U	5.8 UJ	5.8 UJ	5.8 U	1.2 U	1.0 J	0.44 J	2.9 UJ	R
Methylnaphthalene, 2-	1.2 U	1.2 U	1.2 U	14 UJ	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 UJ	5.8 UJ	1.2 U	1.1 J	1.0 J	2.9 UJ	2.9 UJ
Methylthiophene, 2-	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Methylthiophene, 3-	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Naphthalene	0.79 J	1.0 U	0.33 J	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.60 J	1.0 U	1.0 U	1.0 U
Nonane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.44 J	1.0 U	1.0 U	0.89 J	0.85 J	1.0 J	1.7	2.1	5.1	4.2	2.8	3.3
Octane, n-	0.75 J	0.37 J	0.93 U	0.93 U	0.93 U	0.32 J	0.55 J	0.66 J	0.84 J	1.1	1.1	1.8	2.5	5.1	2.4	2.7	2.6
Pentane	0.27 J	0.59 U	0.59 U	0.59 U	1.1	0.59 U	0.59 U	0.59 U	0.59 U	0.47 J	0.59 U	0.57 J	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U
Propanol, 2-	0.49 U	0.49 U	0.49 U	0.49 U	1.2 U	1.2 U	1.2 U	1.2 U	9.2 J	1.2 U	1.2 U	1.2 U	0.49 U	0.47 U	0.69 U	1.2 U	1.2 U
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.32 J	0.85 U	0.85 U	0.50 J	0.22 J	0.85 U	0.85 U
t-Butyl alcohol	0.61 UJ	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	1.5 U	1.5 U	0.61 U	0.61 U
Tetrachloroethane, 1,1,2,2-	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Tetrachloroethene	0.81 J	0.54 J	0.50 J	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	7.2	1.6	1.8	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	0.77 J	0.67 J	2.7 U	2.7 U
Thiophene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Trans-1,2-dichloroethene	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	0.54 J	0.54 J	0.56 J	0.45 J	1.5 U	0.55 J	0.42 J	0.49 J	0.45 J	0.47 J	1.5 U	0.51 J	1.5 U	0.47 J	0.61 J	0.48 J	0.49 J
Trichlorobenzene, 1,2,4-	1.5 U	1.5 U	1.5 U	1.5 UJ	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	0.92 J	1.5 U	1.5 U	1.5 U
Trichloroethane, 1,1,1-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethane, 1,1,2-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethene	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichlorofluoromethane	1.2	1.3	1.2	1.2	0.56 J	1.2	1.0 J	1.3	1.2	1.2	1.2	1.2	1.2	1.1 J	1.3	0.96 J	0.98 J
Trimethylbenzene, 1,2,3-	0.39 J	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Trimethylbenzene, 1,2,4-	0.44 J	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.49 J	0.28 J	0.98 U	0.98 U
Trimethylbenzene, 1,3,5-	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.28 J	0.98 U	0.98 U	0.98 U
Trimethylpentane, 2,2,4-	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U
Undecane, n-	1.3 UJ	1.3 U	1.3 UJ	1.3 UJ	2.7 J	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.4	22	1.3 U	1.3 U
Vinyl bromide	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl chloride	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Other (%)																	
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	0.0157 U	0.023 U	0.0166 U	0.0193	1.39	0.017	0.016	0.0177	0.0179	0.0172	0.0186	0.0178	0.0168	0.0173	0.0182	0.0172	0.0211

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG-11 2/19/2009	OU2SG-11 2/20/2009	OU2SG-11 2/21/2009	OU2SG-11 2/23/2009	OU2SG-11 2/27/2009	OU2SG-11 3/5/2009	OU2SG-11 3/13/2009	OU2SG-11 3/25/2009	OU2SG-11 3/31/2009	OU2SG-11 4/1/2009	OU2SG-11 4/2/2009	OU2SG-11 4/3/2009	OU2SG-11 4/4/2009	OU2SG-11 4/5/2009	OU2SG-11 4/6/2009	OU2SG-11 4/10/2009	OU2SG-11 4/13/2009
BTEX (ug/m3)																	
Benzene	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.26 J	0.20 J	0.18 J	0.18 J	0.64 U	0.64 U	0.16 J	0.64 U	0.64 U	0.64 U	0.64 UJ	0.64 U
Toluene	20	14	13	17	27	30	28	66	56	29	30	31	24	25	19	32	36
Ethylbenzene	0.95 J	0.68 J	0.52 J	0.59 J	0.80 J	1.2	1.4 J	3.1 J	2.8 J	1.2 J	1.3	1.4	1.0	1.0	0.78 J	1.2	1.1
Xylene, m,p-	3.1	2.3	1.7	1.9	2.6	3.7	4.6	8.9	7.9	3.8	4.0	4.6	3.2	3.5	2.7	4.0	3.6
Xylene, o-	0.88	0.53 J	0.48 J	0.49 J	0.66 J	1.0	1.3	2.5	2.3	1.1	1.3	1.4	1.0	1.1	0.80 J	1.1	0.95
Other VOCs (ug/m3)																	
Acetaldehyde	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ	2.3 U	1.8 UJ	2.0 U	3.6 U	1.8 UJ	5.6 U	3.6 UJ	3.6 UJ	3.6 UJ	3.6 UJ	3.6 UJ	3.6 UJ
Acetone	2.7 U	1.2 UJ	1.8 U	1.4 U	1.2 U	8.6 U	1.2 U	1.1 J	1.8 U	1.8 UJ	2.5 U	2.1 U	6.0 U	4.1 J	1.8 UJ	1.9 U	1.8 U
Acrolein (propenal)	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.25 J	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U
Allyl chloride	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
Benzo(b)thiophene	2.7 UJ	2.7 U	2.7 U	2.7 U	2.7 U	1.1 U	2.7 UJ	2.7 U	2.7 U	2.7 U	14 UJ	14 UJ	14 UJ	14 UJ	14 UJ	14 UJ	14 UJ
Bromodichloromethane	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
Butadiene, 1,3-	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 UJ	0.44 UJ	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Butane	0.50	0.53	0.48 UJ	0.48 J	0.48 U	0.25 J	0.27 J	0.48 U	0.85	0.48 U	0.24 J	0.31 J	0.48	0.86	2.3	0.29 J	0.31 J
Butanone, 2-	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	6.1	0.59 U	0.59 U	0.59 U	0.59 U	0.60	0.39 J	0.29 J	0.59 U	0.29 J	0.59 U	0.59 U
Carbon disulfide	1.7	1.7	1.7	2.0	2.4	4.2	0.62 U	5.3	7.6	4.4	4.7	5.3	4.8	5.1	3.5	6.1	8.2
Carbon tetrachloride	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Chlorobenzene	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Chloroethane	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U
Chloroform	0.60 J	0.66 J	1.6	0.54 J	0.26 J	0.98 U	0.98 U	0.98 U	0.33 J	0.29 J	0.34 J	0.48 J	0.55 J	0.54 J	1.5	0.93 J	0.44 J
Chloromethane	0.41 U	0.20 J	0.41 U	0.11 J	0.41 U	0.20 J	0.41 U	0.41 U	0.41 U	0.41 U	0.11 J	0.11 J	0.41 U	0.14 J	0.41 U	0.41 U	0.41 U
Chlorotoluene, 2-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cryofluorane	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Cyclohexane	1.7	1.7	1.9	2.8	3.6	6.5	1.2	8.1	9.5	7.1	3.8	3.9	3.5	3.8	2.8	4.1	5.2
Decane, n-	0.44 J	0.33 J	0.41 J	1.2 U	1.2 U	0.97 J	0.30 J	0.46 J	0.48 J	1.2 U	0.38 J	0.35 J	1.2 U	0.47 J	0.46 J	1.2 U	0.47 J
Dibromochloromethane	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dibromoethane, 1,2-	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Dichlorobenzene, 1,2-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,3-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,4-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorodifluoromethane	2.4	2.8	2.5	2.6	2.6	2.4	2.6	2.5	2.7	2.5	2.6	3.0	2.9	2.6	2.6	2.6	2.7
Dichloroethane, 1,1-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethane, 1,2-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 UJ	0.81 U	0.81 UJ	0.81 UJ	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethene, 1,1-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloroethene, cis-1,2-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloropropane, 1,2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Dichloropropene, cis-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dichloropropene, trans-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dioxane, 1,4-	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Dodecane, n-	0.49 J	0.55 J	0.90 J	3.5 U	3.5 U	0.43 J	3.5 U	0.36 J	0.58 J	3.5 U	0.38 J	0.47 J	1.4 J	1.2 J	1.2 J	0.84 J	1.2 J
Ethanol	1.2 J	0.90 J	1.8 J	3.9 U	3.9 U	8.2	1.2 J	0.63 J	0.72 J	4.7 U	0.84 J	0.97 J	0.56 J	1.4 J	0.53 J	47	1.9 U
Ethylthiophene, 2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG-11 2/19/2009	OU2SG-11 2/20/2009	OU2SG-11 2/21/2009	OU2SG-11 2/23/2009	OU2SG-11 2/27/2009	OU2SG-11 3/5/2009	OU2SG-11 3/13/2009	OU2SG-11 3/25/2009	OU2SG-11 3/31/2009	OU2SG-11 4/1/2009	OU2SG-11 4/2/2009	OU2SG-11 4/3/2009	OU2SG-11 4/4/2009	OU2SG-11 4/5/2009	OU2SG-11 4/6/2009	OU2SG-11 4/10/2009	OU2SG-11 4/13/2009
Ethyltoluene, p-	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.25 J	0.98 U	0.27 J	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Heptane, n-	0.24 J	0.82 U	0.25 J	0.27 J	0.28 J	0.50 J	0.82 U	0.95	1.2	1.9	0.89	1.8	0.58 J	1.3	0.21 J	0.82	0.49 J
Hexachlorobutadiene	2.1 UJ	2.1 U	2.1 U	2.1 U	2.1 UJ	2.1 U	2.1 U	2.1 UJ	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Hexane, n-	0.70 U	0.31 J	0.35 J	0.52 J	0.52 J	1.5	0.70 U	1.2	1.8	0.92	0.79	0.78	0.61 J	1.0	0.58 J	0.77	1.1
Hexanone, 2-	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.82 U	2.0 U	2.0 U	2.0 U	2.0 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U
Indene	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Methyl-2-pentanone, 4-	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 UJ	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Methylene chloride	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	0.69 U	1.7 U	1.7 U	1.7 U	3.3 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Methylnaphthalene, 1-	R	2.9 UJ	2.9 U	2.9 U	2.9 UJ	1.2 UJ	2.9 UJ	2.9 UJ	2.9 UJ	2.9 UJ	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U
Methylnaphthalene, 2-	2.9 UJ	2.9 U	2.9 U	2.9 U	2.9 UJ	1.2 UJ	2.9 UJ	0.73 J	2.9 UJ	2.9 UJ	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U
Methylthiophene, 2-	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Methylthiophene, 3-	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Naphthalene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.32 J	1.0 U	1.0 U	0.35 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Nonane	4.0	2.4	2.1	2.0	2.0	1.9	2.2	2.6	2.2	1.0 U	1.2	1.4	1.2	1.7	1.2	1.7	1.4
Octane, n-	2.8	2.1	1.6	1.9	2.3	1.4	1.6	1.5	1.5	0.64 J	0.96	1.1	1.0	1.8	1.4	2.4	2.1
Pentane	0.59 U	0.59 U	0.59 U	0.32 J	0.59 U	0.59 U	0.86	0.59 U	0.58 J	0.59 U	0.24 J	0.23 J	0.20 J	0.65	0.59 U	0.59 U	0.59 U
Propanol, 2-	1.2 U	1.2 U	0.81 J	1.2 UJ	1.2 U	1.5 U	1.2 U	1.2 J	1.2 U	1.2 U	1.0	0.49 U	0.49 U	0.49 U	0.52	2.6	0.52
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.24 J	0.85 U	0.85 U	0.85 U	0.85 U	0.23 J	0.31 J	0.59 J	0.86	0.42 J	0.58 J	0.56 J	0.35 J	0.38 J	0.35 J	0.38 J	0.30 J
t-Butyl alcohol	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.31 J	0.61 U	0.61 U	0.61 U	0.61 U	0.16 J	0.61 U	0.61 U	0.15 J	0.61 U	0.61 U	0.61 U
Tetrachloroethane, 1,1,2,2-	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Tetrachloroethene	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	2.7 U	2.7 U	2.7 UJ	2.7 UJ	2.7 UJ	0.67 J	2.7 U	1.6 J	2.1 J	2.7 U	1.7 J	2.1 J	1.5 J	2.1 J	1.6 J	1.4 J	0.77 J
Thiophene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Trans-1,2-dichloroethene	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	0.56 J	0.55 J	0.46 J	0.44 J	0.47 J	0.62 J	0.47 J	0.43 J	0.58 J	0.43 J	0.57 J	0.69 J	0.61 J	0.61 J	0.59 J	0.54 J	0.54 J
Trichlorobenzene, 1,2,4-	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Trichloroethane, 1,1,1-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethane, 1,1,2-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethene	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichlorofluoromethane	1.1 J	1.1 J	1.0 J	1.0 J	1.1 J	1.1 J	1.1 J	1.0 J	1.2	1.1	1.2	1.6	1.2	1.2	1.2	1.1 J	1.2
Trimethylbenzene, 1,2,3-	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.31 J	0.98 U	0.37 J	0.29 J	0.98 U	0.98 U	0.26 J	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Trimethylbenzene, 1,2,4-	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.79 J	0.25 J	0.72 J	0.47 J	0.98 U	0.37 J	0.42 J	0.28 J	0.34 J	0.26 J	0.25 J	0.98 U
Trimethylbenzene, 1,3,5-	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Trimethylpentane, 2,2,4-	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U
Undecane, n-	1.3 U	0.35 J	1.2 J	1.3 U	0.54 J	1.3	0.44 J	1.3 UJ	1.3 UJ	1.3 U	1.3 U	0.47 J	1.0 J	1.2 J	1.2 J	1.3 U	1.5
Vinyl bromide	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl chloride	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Other (%)																	
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.88	5.8	6.36	6.07	6.52	7.6	7.87	6.68
Helium	0.0182 U	0.0216	0.0246	0.0176	0.0202	0.0222	0.099	0.0159 U	0.0221	0.0198	0.148	0.0174	0.0158	0.017	0.0164	NA	0.0178

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG-11 4/14/2009	OU2SG-11 4/17/2009	OU2SG-11 4/24/2009	OU2SG-11 5/11/2009	OU2SG-11 5/13/2009	OU2SG-11 5/22/2009	OU2SG-11 6/16/2009	OU2SG-11 6/25/2009	OU2SG-11 7/13/2009	OU2SG-11 7/23/2009	OU2SG-11 7/30/2009	OU2SG-11 8/10/2009	OU2SG-11 8/18/2009	OU2SG-11 8/26/2009	OU2SG-11 9/22/2009	OU2SG12 2/21/2007	OU2SG12 9/18/2007
BTEX (ug/m3)																	
Benzene	0.64 U	0.16 J	0.21 J	0.64 U	0.64 U	0.64 U	0.33 J	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	3.2 U	1.6 U	1.5 U	1.5 U
Toluene	23	34	55	60	56	0.75 U	5.4	3.2	5.6	5.9	13	5.7	10 J	5.1	3.8	2.5	100
Ethylbenzene	0.54 J	1.4	2.2	3.3	3.2	0.87 U	0.66 J	0.37 J	0.74 J	0.61 J	1.0	0.56 J	1.3 J	4.3 U	2.2 U	1.2 J	0.61 J
Xylene, m,p-	1.0 J	4.8	7.0	8.6	8.2	1.7 U	1.4 J	0.87 J	1.6 J	2.0	2.9	1.6 J	3.6 J	8.7 U	1.1 J	3.7 J	16
Xylene, o-	0.22 J	1.2	2.0	2.8	2.6	0.87 U	0.64 J	0.31 J	0.55 J	0.74 J	0.91	0.48 J	1.2 J	4.3 U	2.2 U	1.5 J	6.4
Other VOCs (ug/m3)																	
Acetaldehyde	3.6 UJ	4.5 U	4.5 UJ	4.5 UJ	4.5 UJ	4.5 U	4.5 UJ	4.5 UJ	4.5 UJ	13	12	5.4 U	9.3 J	22 U	5.6 U	0.84 UJ	45
Acetone	1.8 U	2.6	4.3	2.9 U	4.0 U	1.8 U	2.9 U	1.8 UJ	3.7 J	5.8 U	5.1 U	4.9 U	4.2 J	13 U	3.9 U	9.6	7.2
Acrolein (propenal)	0.46 U	0.46 U	0.46 U	1.2 U	1.2 U	1.2 UJ	0.34 J	1.2 UJ	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	5.7 U	2.9 U	1.1 U	1.1 U
Allyl chloride	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	3.1 U	1.6 U	1.5 U	1.5 U
Benzothiophene	14 UJ	14 U	14 UJ	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	5.5 UJ	2.7 U	13 UJ	32 U
Bromodichloromethane	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	6.7 U	3.4 U	3.1 U	3.2 U
Bromoform	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 UJ	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	10 U	5.2 U	4.8 U	4.8 U
Bromomethane	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	3.9 U	1.9 U	1.8 U	1.8 U
Butadiene, 1,3-	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	2.2 U	1.1 U	1.0 U	1.0 U
Butane	0.48 U	0.26 J	0.48 U	0.74	0.33 J	0.48 U	0.84	57	1.0	2.8	0.55	0.62	0.57 J	2.4 U	0.59 J	1.1 U	0.28 J
Butanone, 2-	0.59 U	0.40 J	0.59 U	0.29 J	0.59 U	0.59 U	0.87	0.46 J	0.76	1.1	0.88	0.59 U	0.47 J	3.0 U	1.5 U	1.4 J	2.2
Carbon disulfide	5.5	7.2	14	21	26	0.62 U	56	63	56 J	48	53	8.9	11 J	4.7 U	3.0 U	1.4 U	9.9
Carbon tetrachloride	1.3 U	1.3 U	1.3 U	0.50 J	0.50 J	1.3 U	0.35 J	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	6.3 U	3.1 U	2.9 U	3.0 U
Chlorobenzene	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	4.6 U	2.3 U	2.1 U	2.2 U
Chloroethane	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	2.6 U	1.3 U	1.2 U	1.2 U
Chloroform	0.44 J	0.38 J	0.95 J	6.3	4.2	0.98 U	3.1	21	3.0	1.9	1.8	1.2	1.7 J	2.2 J	1.2 J	2.3 U	2.3 U
Chloromethane	0.13 J	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.14 J	0.11 J	0.41 U	0.17 J	0.41 U	0.10 J	0.41 U	2.1 U	1.0 U	0.96 U	0.34 J
Chlorotoluene, 2-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.2 U	2.6 U	2.4 U	2.4 U
Cryofluorane	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	7.0 U	3.5 U	3.2 U	3.3 U
Cyclohexane	3.7	6.4	11	20	20	0.69 U	27	25	32	26	30	34	39 J	20	40	1.6 U	32
Decane, n-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	5.8 U	2.9 U	2.2 J	20
Dibromochloromethane	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	8.5 U	4.3 U	4.0 U	4.0 U
Dibromoethane, 1,2-	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	7.7 U	3.8 U	3.6 U	3.6 U
Dichlorobenzene, 1,2-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	6.0 U	3.0 U	2.8 U	2.8 U
Dichlorobenzene, 1,3-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	6.0 U	3.0 U	2.8 U	2.8 U
Dichlorobenzene, 1,4-	1.2 U	1.2 U	1.2 U	0.48 J	0.48 J	1.2 U	0.82 J	0.67 J	0.97 J	0.84 J	0.96 J	0.66 J	1.1 J	6.0 U	3.0 U	2.8 UJ	1.1 J
Dichlorodifluoromethane	2.7	2.5	2.4	0.84 J	1.0	0.99 U	1.2	0.98 J	2.2	1.5	1.3	1.7	2.1 J	1.7 J	2.6	2.6	2.7
Dichloroethane, 1,1-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	4.0 U	2.0 U	1.9 U	1.9 U
Dichloroethane, 1,2-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	4.0 U	2.0 U	1.9 U	1.9 U
Dichloroethene, 1,1-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	4.0 U	2.0 U	1.8 U	1.9 U
Dichloroethene, cis-1,2-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	4.0 U	2.0 U	1.8 U	1.9 U
Dichloropropane, 1,2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	4.6 U	2.3 U	2.2 U	2.2 U
Dichloropropene, cis-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	4.5 U	2.3 U	2.1 U	2.1 U
Dichloropropene, trans-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	4.5 U	2.3 U	2.1 U	2.1 U
Dioxane, 1,4-	0.72 U	0.72 U	0.72 U	0.72 U	0.72 UJ	0.72 UJ	0.72 UJ	0.72 UJ	0.72 UJ	0.72 U	0.72 U	0.72 U	0.72 U	3.6 U	1.8 U	4.2 U	1.7 UJ
Dodecane, n-	1.4 U	0.63 J	0.70 J	0.49 J	0.84 J	1.4 U	1.4 U	1.5	3.5	1.4 U	1.4 U	0.84 J	0.84 J	7.0 U	3.0 J	3.1 J	2.4 J
Ethanol	0.74 J	0.85 J	0.78 J	1.9 U	1.9 U	1.9 U	5.3	1.3 U	1.1 J	1.1 J	0.58 J	0.79 J	1.9 U	9.4 UJ	4.7 U	14	16
Ethylthiophene, 2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	4.6 U	2.3 U	2.1 U	2.2 U

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG-11 4/14/2009	OU2SG-11 4/17/2009	OU2SG-11 4/24/2009	OU2SG-11 5/11/2009	OU2SG-11 5/13/2009	OU2SG-11 5/22/2009	OU2SG-11 6/16/2009	OU2SG-11 6/25/2009	OU2SG-11 7/13/2009	OU2SG-11 7/23/2009	OU2SG-11 7/30/2009	OU2SG-11 8/10/2009	OU2SG-11 8/18/2009	OU2SG-11 8/26/2009	OU2SG-11 9/22/2009	OU2SG12 2/21/2007	OU2SG12 9/18/2007
Ethyltoluene, p-	0.98 U	0.98 U	0.98 U	0.25 J	0.29 J	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	4.9 U	2.5 U	2.3 U	2.3 U
Heptane, n-	0.33 J	0.44 J	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.46 J	0.36 J	0.82 U	1.6	0.82 U	0.82 U	4.1 U	2.0 U	1.9 U	0.96 J
Hexachlorobutadiene	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	11 U	5.3 U	5.0 UJ	5.0 U
Hexane, n-	0.64 J	1.2	2.0	1.8	2.0	0.70 U	1.1	2.2	0.58 J	1.7	1.0	0.70 U	0.70 U	3.5 U	1.8 U	0.98 J	25
Hexanone, 2-	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 UJ	0.82 U	0.82 U	0.82 U	4.1 U	2.0 U	4.8 U	1.9 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 UJ	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	4.8 U	2.4 U	0.90 J	2.3 U
Indene	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 UJ	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	4.8 U	2.4 U	2.2 U	2.2 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	3.6 U	1.8 U	1.7 U	1.7 U
Methyl-2-pentanone, 4-	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	4.1 UJ	2.0 U	1.9 U	1.9 U
Methylene chloride	1.7 U	1.7 U	2.4 U	0.90 J	0.56 J	0.55 J	0.44 J	1.7 U	1.7 UJ	1.7 U	0.87 J	1.7 U	0.83 J	8.7 U	4.3 U	30	23
Methylnaphthalene, 1-	5.8 U	14 U	14 UJ	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 UJ	1.2 U	1.2 UJ	1.2 U	1.2 UJ	5.8 UJ	2.9 U	34 U	14 U
Methylnaphthalene, 2-	5.8 U	14 U	14 UJ	0.41 J	1.2 U	1.2 U	1.2 U	1.2 U	1.2 UJ	1.2 U	1.2 U	1.2 U	1.2 UJ	5.8 UJ	2.9 U	34 U	34 U
Methylthiophene, 2-	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	4.0 U	2.0 U	1.9 U	1.9 U
Methylthiophene, 3-	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	4.0 U	2.0 U	1.9 U	1.9 U
Naphthalene	1.0 U	1.0 U	1.0 U	0.37 J	0.52 J	1.0 U	0.35 J	1.0 U	1.0 U	0.42 J	0.26 J	1.0 U	1.0 U	5.2 U	2.6 U	1.1 J	2.0 J
Nonane	1.0 U	1.5	1.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.2 U	2.6 U	0.73 J	2.5 U
Octane, n-	0.75 J	1.4	0.74 J	0.93 U	0.33 J	0.93 U	2.2	0.93 U	0.93 U	1.7	0.93 U	0.93 U	0.93 U	4.7 U	2.3 U	2.2 U	2.2 U
Pentane	0.59 U	0.59 U	0.59 U	0.27 J	0.59 U	0.59 U	0.76	13	0.59 U	2.2	0.53 J	0.47 J	0.38 J	3.0 U	0.59 J	1.4 U	1.4 U
Propanol, 2-	0.49 U	0.61	0.49 U	1.2 U	1.4 U	1.2 U	1.2 U	1.5 U	1.2 U	1.2 U	1.2 U	2.8 U	1.2 U	6.1 U	3.0 U	0.86 J	0.81 J
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.85 U	0.40 J	0.55 J	0.60 J	0.64 J	0.85 U	0.25 J	0.85 U	0.85 U	0.85 U	0.34 J	0.85 U	0.85 U	4.3 U	2.1 U	2.0 U	2.0 U
t-Butyl alcohol	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	3.0 U	1.5 U	1.4 U	1.4 U
Tetrachloroethane, 1,1,2,2-	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	6.9 U	3.4 U	3.2 U	3.2 U
Tetrachloroethene	1.4 U	1.4 U	1.4 U	0.41 J	0.75 J	1.4 U	0.70 J	0.68 J	0.81 J	0.75 J	0.95 J	0.54 J	0.61 J	6.8 U	3.4 U	3.2 U	2.6 J
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	5.5 U	1.5 J	2.2 J	1.2 J	1.0 J	1.1 U	0.56 J	0.41 J	0.48 J	0.93 J	0.88 J	0.49 J	1.5 J	5.5 UJ	2.7 UJ	2.6 U	5.8 J
Thiophene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	3.4 U	1.7 U	1.6 U	1.6 UJ
Trans-1,2-dichloroethene	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	4.0 U	2.0 U	1.8 U	1.9 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	0.47 J	0.51 J	0.49 J	0.38 J	0.46 J	1.5 U	0.42 J	0.53 J	0.41 J	0.46 J	0.46 J	1.5 U	0.46 J	7.7 U	3.8 U	3.6 U	3.6 U
Trichlorobenzene, 1,2,4-	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	7.4 U	3.7 U	3.5 UJ	3.5 U
Trichloroethane, 1,1,1-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	5.4 U	2.7 U	2.5 U	2.6 U
Trichloroethane, 1,1,2-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	5.4 U	2.7 U	2.5 U	2.6 U
Trichloroethene	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	5.4 U	2.7 U	2.5 U	2.5 U
Trichlorofluoromethane	1.1	1.0 J	1.2	0.79 J	0.84 J	1.1 U	1.0 J	1.2	1.2	1.1 J	1.1 J	1.0 J	1.2 J	5.6 U	1.1 J	1.6 J	1.4 J
Trimethylbenzene, 1,2,3-	0.98 U	0.98 U	0.98 U	0.98 U	0.29 J	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	4.9 U	2.5 U	2.1 J	2.1 J
Trimethylbenzene, 1,2,4-	0.98 U	0.28 J	0.40 J	0.44 J	0.54 J	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	4.9 U	2.5 U	3.0	0.92 J
Trimethylbenzene, 1,3,5-	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	4.9 U	2.5 U	0.80 J	1.5 J
Trimethylpentane, 2,2,4-	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 UJ	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	4.7 U	2.3 U	2.2 U	2.2 U
Undecane, n-	1.3 U	1.3 U	1.3 U	1.3 UJ	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	6.4 U	3.2 U	1.6 J	3.0 U
Vinyl bromide	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	4.4 U	2.2 U	2.0 U	2.0 U
Vinyl chloride	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	2.6 U	1.3 U	1.2 U	1.2 U
Other (%)																	
Carbon Dioxide	2.39	5.34	7	10.4	8	9.44	10.1	11.9	10.3	9.11	12.4	6.6	5.93	4.86	3.69	NA	NA
Helium	0.02	0.0191	0.0199	0.0192 U	0.016 U	0.017 U	0.0191	0.0162	0.0235 U	0.05	0.166	0.0181 U	0.0224 U	0.0178 U	0.0173 U	NA	NA

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG12 12/19/2007	OU2SG12 3/27/2008	OU2SG12 6/19/2008	OU2SG12 12/30/2008	Duplicate of OU2SG12 12/30/2008	OU2SG-12a 1/20/2009	Duplicate of OU2SG-12a 1/20/2009	OU2SG-12p 1/20/2009	OU2SG-12a 1/21/2009	OU2SG-12p 1/21/2009	OU2SG-12 1/22/2009	Duplicate of OU2SG-12 1/22/2009	OU2SG-12 1/23/2009	OU2SG-12 1/25/2009	OU2SG-12 1/26/2009	Duplicate of OU2SG-12 1/26/2009
BTEX (ug/m3)																
Benzene	0.22 J	0.19 J	0.64 UJ	0.64 U	0.64 U	0.24 J	0.24 J	0.64 U	0.54 J	0.38 J	0.16 J	0.64 U	0.64 U	0.18 J	0.64 U	0.64 U
Toluene	70	1.4	0.79	0.61 J	0.46 J	0.78	0.70 J	0.39 J	0.94	0.72 J	0.54 J	0.58 J	0.49 J	0.68 J	0.39 J	0.33 J
Ethylbenzene	1.8	0.30 J	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.27 J	0.30 J	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Xylene, m,p-	7.1	0.84 J	0.39 J	0.52 J	0.40 J	0.43 J	0.39 J	0.36 J	0.85 J	0.74 J	0.70 J	0.63 J	0.33 J	0.43 J	0.40 J	0.39 J
Xylene, o-	3.7	0.34 J	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.30 J	0.30 J	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Other VOCs (ug/m3)																
Acetaldehyde	3.3 U	4.5 U	5.0	9.4	5.2 J	1.8 UJ	1.8 UJ	1.8 UJ	9.3 U	2.8 U	1.8 UJ	1.8 UJ	5.6 J	5.3 J	5.0 J	5.1 J
Acetone	1.0 U	3.0 U	3.7	2.5 U	2.8 U	2.8 U	2.8 U	2 U	17	3.4 U	2.6 U	2.8 U	4.7 U	3.5 U	9.8	9.4
Acrolein (propenal)	0.46 U	1.2 U	0.14 J	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U
Allyl chloride	0.63 UJ	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
Benzo(a)anthracene	1.1 UJ	1.1 U	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ
Bromodichloromethane	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
Butadiene, 1,3-	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Butane	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	1.1	0.74	0.48 U	0.48 U	0.39 J	0.85	0.48 U	0.32 J
Butanone, 2-	0.24 J	1.6	0.59	0.59 U	0.59 U	0.51 J	0.37 J	0.59 U	2.5	0.65	0.59 U	0.59 U	0.62	0.57 J	1.2	1.1
Carbon disulfide	1.0	0.44 J	0.62 U	1.4 J	0.34 J	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U
Carbon tetrachloride	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Chlorobenzene	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Chloroethane	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U
Chloroform	0.34 J	0.25 J	1.4	14	14	12	14	13	7.7	11	12	12	14	12	11	11
Chloromethane	0.41 U	0.41 U	0.14 J	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.43	0.41 U	0.41 U	0.41 U	0.41 UJ	0.41 U	0.41 U	0.41 U
Chlorotoluene, 2-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cryofluorane	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Cyclohexane	2.5	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Decane, n-	1.2 U	2.2	4.8	1.9	1.4	0.78 J	0.85 J	0.77 J	0.35 J	0.76 J	0.70 J	1.2 U	0.71 J	0.84 J	1.2 U	1.2 U
Dibromochloromethane	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dibromoethane, 1,2-	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Dichlorobenzene, 1,2-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,3-	1.2 U	0.67 J	0.36 J	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,4-	0.72 J	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorodifluoromethane	3.2	2.0	2.5	12	10	14	13	13	10	12	13	14	13	13	12	12
Dichloroethane, 1,1-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethane, 1,2-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethene, 1,1-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloroethene, cis-1,2-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloropropane, 1,2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Dichloropropene, cis-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dichloropropene, trans-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dioxane, 1,4-	1.8 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Dodecane, n-	1.0 J	1.0 J	8.9 J	2.0 J	1.3 J	1.4 U	0.56 J	1.4 U	1.4 U	0.56 J	0.85 J	1.4 U	0.70 J	0.91 J	1.4 U	1.4 U
Ethanol	0.73 J	7.4	1.9	5.8	4.5	7.7	6.8	1.9 U	10	2.0	1.7 J	1.8 J	16	5.7	17	17
Ethylthiophene, 2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG12 12/19/2007	OU2SG12 3/27/2008	OU2SG12 6/19/2008	OU2SG12 12/30/2008	Duplicate of OU2SG12 12/30/2008	OU2SG-12a 1/20/2009	Duplicate of OU2SG-12a 1/20/2009	OU2SG-12p 1/20/2009	OU2SG-12a 1/21/2009	OU2SG-12p 1/21/2009	OU2SG-12 1/22/2009	Duplicate of OU2SG-12 1/22/2009	OU2SG-12 1/23/2009	OU2SG-12 1/25/2009	OU2SG-12 1/26/2009	Duplicate of OU2SG-12 1/26/2009
Ethyltoluene, p-	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Heptane, n-	0.82 UJ	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.25 J	0.37 J	0.82 U	0.82 U	0.82 U	0.25 J	0.82 U	0.82 U
Hexachlorobutadiene	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 UJ	2.1 UJ	2.1 UJ	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Hexane, n-	1.2	0.70 U	0.70 UJ	0.70 U	0.70 U	0.70 U	0.70 U	0.7 U	0.19 J	0.32 J	0.70 U	0.70 U	0.70 U	0.24 J	0.70 U	0.70 U
Hexanone, 2-	0.82 U	0.82 U	0.37 J	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	0.24 J	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U
Indene	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	0.72 U	0.72 U	0.72 UJ	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Methyl-2-pentanone, 4-	0.82 U	0.82 U	0.82 U	0.82 U	0.43 J	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Methylene chloride	0.69 U	0.86 J	1.7 U	1.7 U	1.7 U	0.69 U	0.69 U	0.69 U	0.73 U	0.76 U	0.81 U	0.75 U	0.75 U	0.73 U	0.69 U	0.70 U
Methylnaphthalene, 1-	14 UJ	1.2 U	2.9 UJ	R	R	5.8 UJ	5.8 UJ	5.8 UJ	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 UJ	5.8 UJ	5.8 UJ
Methylnaphthalene, 2-	14 UJ	1.2 U	2.9 UJ	14 UJ	14 UJ	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U
Methylthiophene, 2-	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.8 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Methylthiophene, 3-	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.8 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Naphthalene	0.94 J	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Nonane	1.0 U	0.27 J	1.0 U	0.34 J	1.0 U	1.0 U	1.0 U	1 U	1.0 U	0.37 J	1.0 U	1.0 U	1.0 U	0.27 J	1.0 U	1.0 U
Octane, n-	0.93 U	4.5	1.6	0.93 U	0.27 J	0.55 J	0.52 J	0.93 U	0.93 U	0.37 J	0.93 U	0.93 U	0.93 U	0.67 J	0.93 U	0.93 U
Pentane	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.81	0.80	0.59 U	0.59 U	0.27 J	0.61	0.59 U	0.59 U
Propanol, 2-	0.49 U	0.95 J	0.56 J	0.49 UJ	0.49 UJ	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U
t-Butyl alcohol	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U
Tetrachloroethane, 1,1,2,2-	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Tetrachloroethene	0.41 J	1.4 U	1.4 U	0.52 J	0.49 J	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	3.5	1.1 U	0.44 J	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Thiophene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Trans-1,2-dichloroethene	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	1.5 U	0.51 J	0.54 J	1.0 J	0.60 J	0.39 J	0.52 J	0.51 J	0.55 J	0.54 J	0.84 J	0.56 J	0.52 J	0.51 J	1.5 U	1.5 U
Trichlorobenzene, 1,2,4-	1.5 U	1.5 U	1.5 U	1.5 UJ	1.5 UJ	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Trichloroethane, 1,1,1-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethane, 1,1,2-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethene	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichlorofluoromethane	1.5	1.2	1.4	81	63	100	100	100	71	93	100	110	110	110	100	97
Trimethylbenzene, 1,2,3-	0.69 J	0.48 J	0.34 J	0.29 J	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.29 J	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Trimethylbenzene, 1,2,4-	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.49 J	0.39 J	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Trimethylbenzene, 1,3,5-	0.29 J	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.25 J	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Trimethylpentane, 2,2,4-	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U
Undecane, n-	1.3 U	0.78 J	1.0 J	0.43 J	0.61 J	1.3 U	0.49 J	0.75 J	0.32 J	0.96 J	1.0 J	1.3 U	1.3 U	0.56 J	1.3 U	1.3 U
Vinyl bromide	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl chloride	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Other (%)																
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NA	NA	0.0159 U	0.0228	0.0242	0.0188	0.0154	0.0174	0.0154	0.0147	0.017	0.0152	0.0167	0.0151	0.017	0.0165

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG-12 1/30/2009	OU2SG-12 2/5/2009	OU2SG-12 2/13/2009	OU2SG-12 2/23/2009	Duplicate of OU2SG-12 2/23/2009	OU2SG-12 3/25/2009	OU2SG-12 4/14/2009	OU2SG-12 5/11/2009	OU2SG-12 6/16/2009	OU2SG-12 7/30/2009	Duplicate of OU2SG-12 7/30/2009	OU2SG-12 8/26/2009	OU2SG-12 9/23/2009	Duplicate of OU2SG-12 9/23/2009	OU2SG13 3/30/2007	OU2SG13 5/24/2007	OU2SG13 7/25/2007
BTEX (ug/m3)																	
Benzene	0.31 J	0.64 U	0.64 U	0.64 U	0.29 J	0.37 J	0.26 J	1.4	0.64	0.41 J	0.38 J	0.96 J	1.6 U	1.6 U	0.70 J	1.3 U	13
Toluene	1.3	0.54 J	0.48 J	0.34 J	1.2	1.4	1.2	11	5.4	2.2	2.6	1.7 J	1.9 U	1.9 U	560	23	8.2
Ethylbenzene	0.24 J	0.87 U	0.52 J	0.30 J	0.43 J	0.98 J	0.39 J	32	0.87 U	1.0	1.2	2.0 J	2.2 U	2.2 U	5.6	1.8 U	1.3 J
Xylene, m,p-	0.69 J	0.77 J	1.9	1.1 J	1.6 J	2.2	0.91 J	17	1.7 U	2.4	2.6	4.1 J	4.3 U	4.3 U	16	0.99 J	1.7 J
Xylene, o-	0.24 J	0.36 J	0.99	0.82 J	0.95	2.3	1.9	13	0.50 J	1.3	1.4	2.2 J	2.2 U	2.2 U	6.0	1.8 U	0.89 J
Other VOCs (ug/m3)																	
Acetaldehyde	4.9 J	3.3 J	4.5 U	2.2 U	2.5 U	3.7 U	3.6 U	4.5 UJ	5.8 U	45	48	22 U	7.4 U	6.0 U	27 J	93 J	400
Acetone	3.9 U	2.3 UJ	3.1 U	2.4 U	3.8 U	2.0 J	2.9 J	4.0 U	4.4 U	23	24	14 UJ	4.5 U	3.5 U	13 J	34 J	210 J
Acrolein (propenal)	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	1.2 U	0.39 J	1.8	2.0	5.7 U	2.9 U	2.9 U	0.65 J	2.3 U	4.2 J
Allyl chloride	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	3.1 U	1.6 U	1.6 U	1.2 U	1.3 U	1.6 U
Benzothiophene	1.1 U	1.1 U	1.1 U	2.7 U	2.7 U	2.7 U	14 UJ	1.1 U	1.1 U	1.1 UJ	1.1 UJ	5.5 UJ	2.7 U	2.7 U	2.2 U	5.5 U	2.7 U
Bromodichloromethane	1.3 U	1.3 U	1.3 U	0.33 J	1.3 U	1.3 U	1.3 U	1.3 U	1.1 J	2.1	2.1	6.7 U	1.5 J	1.3 J	2.6 U	2.7 U	3.3 U
Bromoform	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 UJ	2.1 U	2.1 U	10 U	5.2 U	5.2 U	4.1 U	4.2 U	5.1 U
Bromomethane	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	3.9 U	1.9 U	1.9 U	1.5 U	1.6 U	1.9 U
Butadiene, 1,3-	0.44 U	0.44 U	0.44 UJ	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	2.2 U	1.1 U	1.1 U	0.88 U	0.89 U	6.8
Butane	1.2	0.37 J	0.48 U	0.55 J	0.64 J	0.73	1.8	1.2	1.4	0.45 J	0.52	2.4 U	1.2	1.0 J	2.6	1.1	7.3
Butanone, 2-	0.55 J	0.59	0.79	0.38 J	0.53 J	0.59 U	0.89	0.60	4.4	3.4	4.3	3.0 U	1.5 U	1.5 U	2.7	5	43
Carbon disulfide	0.29 J	0.23 J	0.26 J	0.25 J	0.19 J	0.42 J	0.62 U	2.1	0.79	1.6	1.6	3.1 U	1.6 U	1.6 U	3.2	6.3 J	3
Carbon tetrachloride	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	6.3 U	3.1 U	3.1 U	2.5 U	2.5 UJ	3.1 U
Chlorobenzene	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	4.6 U	2.3 U	2.3 U	1.8 U	1.9 U	2.3 U
Chloroethane	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	2.6 U	1.3 U	1.3 U	1.0 U	1.1 U	1.3 U
Chloroform	12	12	16	25	21	31	40	49	29	39	41	37	26	33	1.9 U	2 U	2.4 U
Chloromethane	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.13 J	0.22 J	0.39 J	0.39 J	0.62 J	1.0 U	1.0 U	2.0 U	1.4	0.91 J
Chlorotoluene, 2-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.2 U	2.6 U	2.6 U	2.0 U	2.1 U	2.6 U
Cryofluorane	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	7.0 U	3.5 U	3.5 U	2.8 U	2.8 U	3.5 U
Cyclohexane	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.34 J	0.18 J	0.69 U	0.69 U	3.4 U	1.7 U	1.7 U	42	17	1.7 U
Decane, n-	1.2	1.4	4.4	1.2	1.3	1.5	1.3	2.7 J	1.2 U	60	68	5.8 U	2.9 U	2.9 U	3.1	3.3	2 J
Dibromochloromethane	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	8.5 U	4.3 U	4.3 U	3.4 U	3.4 U	4.2 U
Dibromoethane, 1,2-	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	7.7 U	3.8 U	3.8 U	3.0 U	3.1 U	3.8 U
Dichlorobenzene, 1,2-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	6.0 U	3.0 U	3.0 U	2.4 U	2.4 U	3 U
Dichlorobenzene, 1,3-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	6.0 U	3.0 U	3.0 U	2.4 U	2.4 U	3 U
Dichlorobenzene, 1,4-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.96 J	1.5	6.0 U	3.0 U	3.0 U	2.4 U	2.4 U	3 U
Dichlorodifluoromethane	13	8.5	12	12	10	6.6	7.0	4.0	2.6	4.8	4.8	4.2 J	3.8	3.6	2.0 UJ	2.7	2 J
Dichloroethane, 1,1-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	4.0 U	2.0 U	2.0 U	1.6 U	1.6 U	2 U
Dichloroethane, 1,2-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 UJ	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	4.0 U	2.0 U	2.0 U	1.6 U	1.6 U	2 U
Dichloroethene, 1,1-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	4.0 U	2.0 U	2.0 U	1.6 U	1.6 U	2 U
Dichloroethene, cis-1,2-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	4.0 U	2.0 U	2.0 U	1.6 U	1.6 U	2 U
Dichloropropane, 1,2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	4.6 U	2.3 U	2.3 U	1.8 U	1.9 U	2.3 U
Dichloropropene, cis-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	4.5 U	2.3 U	2.3 U	1.8 U	1.8 U	2.2 U
Dichloropropene, trans-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	4.5 U	2.3 U	2.3 U	1.8 U	1.8 U	2.2 U
Dioxane, 1,4-	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	1.7 U	0.72 UJ	0.72 U	0.72 U	3.6 U	1.8 U	1.8 U	3.6 U	1.4 U	1.8 U
Dodecane, n-	0.44 J	8.8 J	5.0 J	1.4 J	1.2 J	0.56 J	4.1	4.5	1.4 U	10 J	29 J	7.0 U	3.5 U	3.5 U	2.8 UJ	9.2	5 J
Ethanol	7.0	2.0	3.0 U	1.7 J	3.0 J	7.0	5.0	7.0	9.9	17	23	9.4 UJ	3.5 J	3.6 J	20 J	3.5 J	40
Ethylthiophene, 2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	4.6 U	2.3 U	2.3 U	1.8 U	1.8 U	2.3 U

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG-12 1/30/2009	OU2SG-12 2/5/2009	OU2SG-12 2/13/2009	OU2SG-12 2/23/2009	Duplicate of OU2SG-12 2/23/2009	OU2SG-12 3/25/2009	OU2SG-12 4/14/2009	OU2SG-12 5/11/2009	OU2SG-12 6/16/2009	OU2SG-12 7/30/2009	Duplicate of OU2SG-12 7/30/2009	OU2SG-12 8/26/2009	OU2SG-12 9/23/2009	Duplicate of OU2SG-12 9/23/2009	OU2SG13 3/30/2007	OU2SG13 5/24/2007	OU2SG13 7/25/2007
Ethyltoluene, p-	0.98 U	0.27 J	0.87 J	0.49 J	0.54 J	2.5	1.1	25	0.98 U	2.0	2.3	4.4 J	2.5 U	2.5 U	2.0 U	2 U	2.4 U
Heptane, n-	0.39 J	0.82 U	0.82 UJ	0.29 J	0.25 J	4.6	0.94	30	0.87	1.4	1.6	2.5 J	2.0 U	2.0 U	5.1	1.6 U	1.6 J
Hexachlorobutadiene	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 UJ	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	11 U	5.3 U	5.3 U	4.2 UJ	4.3 U	5.3 U
Hexane, n-	0.40 J	0.70 U	0.70 UJ	0.21 J	0.32 J	0.69 J	1.1	5.3	1.0	0.53 J	0.70	3.5 U	0.53 J	1.8 U	130	28	3.2
Hexanone, 2-	0.82 U	0.82 U	0.82 U	2.0 U	2.0 U	2.0 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	4.1 U	2.0 U	2.0 U	1.6 U	1.6 U	3.6
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	0.97 U	0.34 J	1.5	0.92 J	0.87 J	1.7	0.95 J	170	0.83 J	8.4	9.5	20	0.60 J	0.72 J	1.9 U	2 U	2.4 U
Indene	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 UJ	0.95 U	0.95 U	4.8 U	2.4 U	2.4 U	1.9 U	1.9 U	1.3 J
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	3.6 U	1.8 U	1.8 U	1.4 U	1.5 U	1.8 U
Methyl-2-pentanone, 4-	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	1.4	0.82 U	0.82	0.82 U	4.1 UJ	2.0 U	2.0 U	1.6 U	1.6 U	4
Methylene chloride	0.72 U	0.69 U	0.69 U	1.7 U	1.7 U	1.7 U	1.7 U	3.4	1.1 J	0.56 J	1.6 J	8.7 U	4.3 U	4.3 U	5.5 J	31	4.5
Methylnaphthalene, 1-	5.8 U	1.2 U	0.49 J	2.9 U	2.9 U	2.9 U	5.8 U	11 J	1.2 U	0.35 J	0.41 J	5.8 UJ	2.9 U	2.9 U	2.9 U	29 U	2.9 U
Methylnaphthalene, 2-	5.8 UJ	1.2 U	0.73 J	2.9 U	2.9 U	0.37 J	5.8 U	21	1.2 U	0.64 J	0.99 J	5.8 UJ	2.9 U	2.9 U	2.3 U	12 U	36 UJ
Methylthiophene, 2-	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	4.0 U	2.0 U	2.0 U	1.6 U	1.6 U	2 U
Methylthiophene, 3-	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	4.0 U	2.0 U	2.0 U	1.6 U	1.6 U	2 U
Naphthalene	1.0 U	1.0 U	0.41 J	1.0 U	1.0 U	1.0 U	1.0 UJ	11	1.6	2.2 J	6.2 J	5.2 U	2.6 U	2.6 U	2.1 UJ	2.1 U	1.6 J
Nonane	0.36 J	0.46 J	1.1	0.47 J	0.42 J	1.1	0.36 J	2.0	1.0 U	1.6	1.9	2.1 J	2.6 U	2.6 U	3.5	2.1 U	1.9 J
Octane, n-	1.4	0.93 U	0.62 J	0.42 J	0.42 J	4.9	0.80 J	31	1.2	55	61	3.5 J	2.3 U	2.3 U	1.7 J	1.9 U	1.3 J
Pentane	0.82	0.59 U	0.59 U	0.44 J	1.2	0.93	2.5	6.3	4.6	0.62 J	2.7 J	3.0 U	1.4 J	1.4 J	1.6	1.2 U	6.1
Propanol, 2-	1.2 U	0.49 UJ	0.49 U	1.2 UJ	1.2 UJ	1.2 UJ	0.49 UJ	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ	6.1 UJ	3.1 U	3.1 U	1.4 J	2 J	4.8
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	1.2	0.32 J	1.4	0.85 U	3.4	3.9	1.5 J	2.1 U	2.1 U	1.7 U	1.7 U	1.2 J
t-Butyl alcohol	0.61 U	0.61 U	1.5 U	0.61 U	0.61 U	0.61 U	0.26 J	0.22 J	0.30 J	0.61 U	0.61 U	3.0 U	1.5 U	1.5 U	1.2 UJ	1.2 U	5.1
Tetrachloroethane, 1,1,2,2-	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	6.9 U	3.4 U	3.4 U	2.7 U	2.8 U	3.4 U
Tetrachloroethene	1.4 U	1.4 U	0.49 J	1.5	0.47 J	0.36 J	0.54 J	1.1 J	2.0	4.9	5.4	6.1 J	4.6	4.7	5.0	2.7 U	3.4 U
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	1.1 U	0.28 J	4.7 J	1.9 J	1.8 J	6.6	19 J	390 J	110 J	11 J	28 J	10 J	58 J	71 J	27 U	11 U	14 U
Thiophene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	3.4 U	1.7 U	1.7 U	1.4 U	1.4 U	1.7 U
Trans-1,2-dichloroethene	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	4.0 U	2.0 U	2.0 U	1.6 U	1.6 U	2 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	0.60 J	0.52 J	0.57 J	0.69 J	0.69 J	0.90 J	1.3 J	2.3	2.5	3.1	3.1	3.1 J	2.9 J	2.7 J	3.0 U	3.1 U	3.8 U
Trichlorobenzene, 1,2,4-	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	7.4 U	3.7 U	3.7 U	2.9 U	3 U	3.7 U
Trichloroethane, 1,1,1-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	0.44 J	0.64 J	1.2	1.4	2.7	3.0	3.0 J	2.3 J	2.0 J	2.2 U	2.2 UJ	2.7 U
Trichloroethane, 1,1,2-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	5.4 U	2.7 U	2.7 U	2.2 U	2.2 U	2.7 U
Trichloroethene	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	5.4 U	2.7 U	2.7 U	2.1 U	2.2 U	2.7 U
Trichlorofluoromethane	120	89	130	160	130	140	190	330	370	850	780	800	620	610	1.3 J	2.3 U	1.1 J
Trimethylbenzene, 1,2,3-	0.98 U	0.79 J	3.0	1.5	1.4	5.1	3.2	170	1.7	5.9	6.7	8.1	1.8 J	2.1 J	2.0 U	2 U	0.97 J
Trimethylbenzene, 1,2,4-	0.98 U	1.2	5.0	2.6	2.6	3.4	2.1	19	0.98 U	4.1	4.8	3.7 J	2.5 U	2.5 U	2.0 UJ	2 U	2.4 U
Trimethylbenzene, 1,3,5-	0.98 U	0.37 J	1.2	0.74 J	0.69 J	2.5	1.0	16	0.98 U	1.5	1.7	2.5 J	2.5 U	2.5 U	1.6 J	2 U	2.4 U
Trimethylpentane, 2,2,4-	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	2.2	2.2	4.7 U	2.3 U	2.3 U	1.8 UJ	1.9 U	2.3 U
Undecane, n-	1.3 U	6.4	8.4	1.8	2.2	0.85 J	5.4	1.3 UJ	1.3 U	6.8 J	12 J	6.4 U	3.2 U	3.2 U	3.7 J	1.7 J	5.2
Vinyl bromide	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	4.4 U	2.2 U	2.2 U	1.7 U	1.8 U	2.2 U
Vinyl chloride	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	2.6 U	1.3 U	1.3 U	1.0 U	1 U	1.3 U
Other (%)																	
Carbon Dioxide	NA	NA	NA	NA	NA	NA	2.89	3.93	4.41	8.56	7.98	10.3	8.67	8.57	NA	NA	NA
Helium	0.0153	0.0144	0.03	0.017	0.0178	0.024	0.0208	0.0219 U	0.0145	0.0228 U	0.0204 U	0.018 U	0.0183 U	0.0171 U	NA	NA	NA

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG13 9/20/2007	OU2SG13 12/19/2007	OU2SG13 4/3/2008	OU2SG13 6/24/2008	OU2SG13 9/16/2008	OU2SG13 12/23/2008	OU2SG13 3/12/2009	Duplicate of OU2SG13 3/12/2009	OU2SG-13 6/8/2009	OU2SG-13 9/21/2009	OU2SG14 3/30/2007	Duplicate of OU2SG14 3/30/2007	OU2SG14 6/14/2007	OU2SG14 12/19/2007	OU2SG14 4/3/2008	OU2SG14 6/19/2008	OU2SG14 9/18/2008
BTEX (ug/m3)																	
Benzene	0.84 J	0.64	1.4	2.4 J	0.64 U	0.64 U	0.64 U	0.64 U	0.42 J	1.3 U	1.2 U	1.2 U	1.3 U	0.64 U	0.64 U	0.64 UJ	0.64 U
Toluene	5.2	24	860	3200	120	24	12	11	31	6.6	4.0	4.5	17	2.8	4.9	7.5	7.5
Ethylbenzene	1.7 J	2.2	43	79	13	0.5 J	0.60 J	0.56 J	1.5	0.78 J	0.96 J	1.3 J	1.7 U	0.87 U	0.87 U	0.87 U	0.87 U
Xylene, m,p-	6.5	7.6	130	230	42	1.8	2.5	2.4	3.0	1.3 J	4.6	5.6	3.4 U	0.22 J	0.45 J	0.52 J	0.61 J
Xylene, o-	4.1	2.6	31	64	34	0.77 J	1.5	1.6	1.4 J	0.52 J	3.6	4.4	1.7 U	0.87 U	0.87 U	0.87 U	0.22 J
Other VOCs (ug/m3)																	
Acetaldehyde	12	1.8 U	4.5 U	48	4.8 J	3.7 J	3.3 U	2.7 U	9.3 J	3.5 J	31 U	32 U	94	1.8 U	4.5 U	22	9.7 J
Acetone	9.7	2.2 U	3.0 U	28	2.2	1.7 U	1.8 U	2.4 U	5.0 U	4.8 U	11 J	12 J	7	1.6 U	2.0 U	65	3.6 J
Acrolein (propenal)	0.93 U	0.46 U	1.2 U	0.87 U	0.46 U	0.46 U	0.46 U	0.46 U	0.83 J	2.3 U	0.86 U	0.88 U	0.9 UJ	0.46 U	1.2 U	0.34 J	0.46 U
Allyl chloride	1.3 U	0.63 UJ	0.63 U	1.2 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	1.2 U	1.2 U	1.2 U	1.2 U	0.63 UJ	0.63 U	0.63 U	0.63 U
Benzothiophene	2.2 U	1.1 UJ	1.1 UJ	2.1 U	1.1 U	1.1 UJ	1.1 U	1.1 U	1.1 U	2.2 U	2.1 U	2.1 U	2.2 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 U
Bromodichloromethane	2.7 U	1.3 U	1.3 U	2.5 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	2.7 U	2.5 U	2.6 U	2.6 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	4.2 U	2.1 U	2.1 U	3.9 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 UJ	4.1 U	3.9 U	4.0 U	4.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	1.6 U	0.78 U	0.78 U	1.5 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	1.6 U	1.5 U	1.5 U	1.5 U	0.78 U	0.78 U	0.78 U	0.78 U
Butadiene, 1,3-	0.90 U	0.44 U	0.44 U	0.84 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.88 U	0.83 U	0.85 U	0.87 U	0.44 U	0.44 U	0.44 U	0.44 U
Butane	0.96 U	0.93	0.40 J	0.90 U	0.48 U	0.43 J	0.47 J	0.47 J	0.45 J	0.95 U	0.62 J	2.3 U	0.94 U	0.48 U	0.48 U	0.48 U	0.48 U
Butanone, 2-	3.0	0.50 J	0.75 J	2.6	0.59	0.59 U	0.28 J	0.59 U	0.82	1.2 U	2.7	3.1	1.2 UJ	0.32 J	0.60 J	0.77	0.65
Carbon disulfide	20	6.6	17	48	72	15	5.3	5.0	4.8	3.1	2.9 U	3.0 U	3.1 U	0.40 J	0.79	3.0	1.9
Carbon tetrachloride	2.6 U	1.3 U	1.3 U	2.4 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	2.5 U	2.4 U	2.4 U	2.5 U	1.3 U	1.3 U	1.3 U	1.3 U
Chlorobenzene	1.9 U	0.92 U	0.92 U	1.7 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	1.7 U	1.8 U	1.8 U	0.92 U	0.92 U	0.92 U	0.92 U
Chloroethane	1.1 U	0.53 U	0.53 U	1.0 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	1.0 U	0.99 U	1.0 U	1 U	0.53 U	0.53 U	0.53 U	0.53 U
Chloroform	2.6	0.63 J	1.4	1.9	7.4	0.36 J	0.36 J	0.42 J	1.7	2.4	13	14	1.9 U	0.98 U	1.1	0.98 U	0.49 J
Chloromethane	0.54 J	0.41 U	0.14 J	0.78 U	0.41 U	0.41 U	0.41 U	0.11 J	0.11 J	0.83 U	1.9 U	2.0 U	0.81 U	0.41 U	0.41 U	0.23 J	0.41 U
Chlorotoluene, 2-	2.1 U	1.0 U	1.0 U	2.0 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U	2.1 U	1.9 U	2.0 U	2 U	1.0 U	1.0 U	1.0 U	1.0 U
Cryofluorane	2.8 U	1.4 U	1.4 U	2.6 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	2.8 U	2.6 U	2.7 U	2.8 U	1.4 U	1.4 U	1.4 U	1.4 U
Cyclohexane	1.4 U	0.28 J	100	290	140	88	36	38	52	33	1.3 U	1.3 U	0.81 J	0.69 U	0.26 J	0.48 J	0.48 J
Decane, n-	2.4 U	0.99 J	3.1	69	1.2 UJ	1.2 U	1.2 U	1.2 U	0.38 J	2.3 U	1.9 J	2.7	1.2 J	1.2 U	0.30 J	0.64 J	1.2 U
Dibromochloromethane	3.5 U	1.7 U	1.7 U	3.2 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	3.4 U	3.2 U	3.3 U	3.4 U	1.7 U	1.7 U	1.7 U	1.7 U
Dibromoethane, 1,2-	3.1 U	1.5 U	1.5 U	2.9 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.1 U	2.9 U	3.0 U	3 U	1.5 U	1.5 U	1.5 U	1.5 U
Dichlorobenzene, 1,2-	2.4 U	1.2 U	1.2 U	2.3 U	0.60 J	1.2 U	1.2 U	1.2 U	1.2 U	2.4 U	2.3 U	2.3 U	2.4 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,3-	2.4 U	4.7	3.0	8.1	2.4	1.2 U	0.32 J	1.2 U	1.1 J	2.4 U	2.3 U	2.3 U	2.4 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,4-	2.4 U	0.54 J	1.0 J	1.4 J	2.2	1.2 U	1.2 U	1.2 U	1.1 J	0.60 J	2.3 U	2.3 U	2.4 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorodifluoromethane	2.9	3.6	2.7	2.5	2.7	2.4	2.3	2.1	1.3	2.9	3.6	3.2	2.2	3.3	2.0	2.3	2.8
Dichloroethane, 1,1-	1.6 U	0.81 U	0.81 U	1.5 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	1.6 U	1.5 U	1.6 U	1.6 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethane, 1,2-	1.6 U	0.81 U	0.81 U	1.5 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	1.6 U	1.5 U	1.6 U	1.6 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethene, 1,1-	1.6 U	0.79 U	0.79 U	1.5 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	1.5 U	1.5 U	1.6 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloroethene, cis-1,2-	1.6 U	0.79 U	0.79 U	1.5 U	0.79 U	0.79 U	0.79 U	0.79 U	0.25 J	1.6 U	1.5 U	1.5 U	1.6 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloropropane, 1,2-	1.9 U	0.92 U	0.92 U	1.8 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	1.7 U	1.8 U	1.8 U	0.92 U	0.92 U	0.92 U	0.92 U
Dichloropropene, cis-1,3	1.8 U	0.91 U	0.91 U	1.7 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	1.8 U	1.7 U	1.8 U	1.8 U	0.91 U	0.91 U	0.91 U	0.91 U
Dichloropropene, trans-1,3	1.8 U	0.91 U	0.91 U	1.7 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	1.8 U	1.7 U	1.8 U	1.8 U	0.91 U	0.91 U	0.91 U	0.91 U
Dioxane, 1,4-	1.5 U	1.8 U	0.72 U	1.4 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 UJ	1.4 U	3.4 U	3.5 U	3.6 U	1.8 U	0.72 U	0.72 U	0.72 U
Dodecane, n-	2.8 J	0.97 J	1.3 J	50 J	1.7	1.4 UJ	0.61 J	0.76 J	1.4 U	2.8 U	11 J	5.8 J	18 J	1.7	0.77 J	6.1 J	0.56 J
Ethanol	5.9	12	3.6 J	5.3	1.6 J	0.81 J	0.72 J	0.59 J	2.3 U	3.8 U	23	30	2.7 J	0.73 J	1.1 J	1.4 J	0.94 J
Ethylthiophene, 2-	1.9 U	0.92 U	0.92 U	1.7 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	1.7 U	1.8 U	1.8 U	0.92 U	0.92 U	0.92 U	0.92 U

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG13 9/20/2007	OU2SG13 12/19/2007	OU2SG13 4/3/2008	OU2SG13 6/24/2008	OU2SG13 9/16/2008	OU2SG13 12/23/2008	OU2SG13 3/12/2009	Duplicate of OU2SG13 3/12/2009	OU2SG-13 6/8/2009	OU2SG-13 9/21/2009	OU2SG14 3/30/2007	Duplicate of OU2SG14 3/30/2007	OU2SG14 6/14/2007	OU2SG14 12/19/2007	OU2SG14 4/3/2008	OU2SG14 6/19/2008	OU2SG14 9/18/2008
Ethyltoluene, p-	1.2 J	0.74 J	1.7	3.5	2.5	0.98 U	0.98 U	0.98 U	0.98 U	2.0 U	1.8 U	1.9 U	1.9 U	0.98 U	0.98 U	0.98 U	0.98 U
Heptane, n-	1.7 U	4.8 J	4.5 J	5.8	0.94	0.82 U	0.82 U	0.82 U	0.23 J	1.6 U	1.5 U	1.6 U	1.6 U	0.82 UJ	0.82 UJ	0.82 U	0.82 U
Hexachlorobutadiene	4.3 U	2.1 U	2.1 U	4.0 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.3 UJ	4.0 UJ	4.1 UJ	4.2 U	2.1 U	2.1 U	2.1 U	2.1 U
Hexane, n-	1.6	0.49 J	70	150 J	48	5.2	0.70 U	0.63 J	0.51 J	1.4 U	1.9	1.4	1.4 U	0.70 U	0.70 U	0.70 UJ	0.70 U
Hexanone, 2-	2.2	0.82 U	0.82 U	1.6 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	1.6 U	1.5 U	1.6 U	1.6 U	0.82 U	0.82 U	0.25 J	0.82 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	1.7 J	0.43 J	0.85 J	1.8	1.9	0.97 U	0.97 U	0.97 U	0.25 J	1.9 U	0.93 J	0.95 J	1.9 U	0.97 U	0.97 U	0.97 U	0.97 U
Indene	1.9 U	0.95 U	0.95 U	1.8 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 UJ	1.9 U	1.8 U	1.8 U	1.9 U	0.95 U	0.95 U	0.95 U	0.95 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	2.6	0.72 U	0.72 U	1.4 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	1.4 U	1.4 U	1.4 U	1.4 U	0.72 U	0.72 U	0.72 UJ	0.72 U
Methyl-2-pentanone, 4-	1.7 U	0.82 U	0.82 U	1.3 J	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	1.6 U	1.5 U	1.6 U	1.6 U	0.82 U	0.82 U	0.82 U	0.82 U
Methylene chloride	2.4	0.83 U	1.7 U	3.2 U	0.69 U	2.4 U	1.7 U	1.7 U	0.47 J	3.5 U	4.9 J	3.3 U	1.5 J	0.69 U	1.7 U	2.2 U	2.2 U
Methylnaphthalene, 1-	2.4 U	14 UJ	1.2 UJ	5.5 U	0.41 J	R	1.2 U	1.2 U	1.2 UJ	2.3 U	2.2 U	2.2 U	2.3 UJ	14 UJ	1.2 UJ	2.9 UJ	1.2 U
Methylnaphthalene, 2-	2.4 U	14 UJ	1.2 UJ	5.5 U	0.81 J	14 UJ	1.2 U	1.2 U	1.2 U	2.3 U	2.2 U	2.2 U	2.3 UJ	14 UJ	1.2 UJ	2.9 UJ	1.2 U
Methylthiophene, 2-	1.6 U	0.80 U	0.80 U	1.5 U	0.80 U	0.8 U	0.80 U	0.80 U	0.80 U	1.6 U	1.5 U	1.6 U	1.6 U	0.80 U	0.80 U	0.80 U	0.80 U
Methylthiophene, 3-	1.6 U	0.80 U	0.80 U	1.5 U	0.80 U	0.8 U	0.80 U	0.80 U	0.80 U	1.6 U	1.5 U	1.6 U	1.6 U	0.80 U	0.80 U	0.80 U	0.80 U
Naphthalene	2.1 U	1.0 U	0.73 J	1.4 J	3.8	1 U	1.0 U	0.61 J	0.73 J	2.1 U	2.0 J	2.2 J	2.1 U	1.0 U	1.0 U	0.79 J	0.52 J
Nonane	2.1 U	0.79 J	9.4	10	1.0 U	1 U	1.0 U	1.0 U	1.0 U	2.1 U	2.0 U	1.0 J	2.1 U	1.0 U	1.0 U	1.0 U	1.0 U
Octane, n-	1.9 U	0.84 J	12	260	0.70 J	0.93 U	0.93 U	0.93 U	0.93 U	1.9 U	1.8 U	1.8 U	1.8 U	0.93 U	0.93 U	0.37 J	0.93 U
Pentane	1.1 J	0.41 J	0.31 J	0.95 J	0.59 U	0.59 U	0.59 U	0.16 J	0.51 J	0.88 J	1.1 U	1.1 U	1.2 U	0.59 U	0.59 U	0.59 U	0.59 U
Propanol, 2-	1.9	2.4 J	0.63 J	2.3 UJ	0.49 U	0.49 U	1.2 U	1.2 U	1.2 U	2.4 U	1.7 J	3.2 J	4.8 U	0.49 U	0.29 J	0.56 J	0.49 U
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	1.7 U	0.34 J	1.4	3.5	0.89	0.85 U	0.85 U	0.85 U	0.39 J	1.7 U	17 J	25 J	1.7 U	0.85 U	0.85 U	0.85 U	0.85 U
t-Butyl alcohol	3.2	0.61 U	0.36 J	2.7	0.61 U	0.71 J	0.26 J	0.19 J	0.73	0.91 J	1.1 UJ	1.2 UJ	1.2 U	0.61 U	0.61 U	0.61 U	0.61 U
Tetrachloroethane, 1,1,2,2-	2.8 U	1.4 U	1.4 U	2.6 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	2.7 U	2.6 U	2.6 U	2.7 U	1.4 U	1.4 U	1.4 U	1.4 U
Tetrachloroethene	1.6 J	1.0 J	2.5	5.2	4.7	1.4	0.91 J	0.79 J	3.5	1.6 J	7.9	8.0	4	0.54 J	0.89 J	1.8	1.4
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	7.0	0.27 J	2.0	3.7 J	17	0.82 J	1.4	2.4	2.6 J	2.2 UJ	26 U	26 U	2.2 U	1.1 U	0.29 J	1.5 J	1.2
Thiophene	1.4 U	0.69 U	0.69 U	1.3 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	1.4 U	1.3 U	1.3 U	1.4 U	0.69 U	0.69 U	0.69 U	0.69 U
Trans-1,2-dichloroethene	1.6 U	0.79 U	0.79 U	1.5 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	1.5 U	1.5 U	1.6 U	0.79 U	0.79 U	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	0.93 J	1.5 U	0.88 J	2.9 U	0.54 J	0.42 J	0.47 J	0.41 J	0.87 J	0.77 J	2.9 U	3.0 U	3 U	1.5 U	0.52 J	0.46 J	0.61 J
Trichlorobenzene, 1,2,4-	3.0 U	1.5 U	1.5 U	2.8 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.0 U	2.8 UJ	2.9 UJ	2.9 U	1.5 U	1.5 U	1.5 U	1.5 U
Trichloroethane, 1,1,1-	2.2 U	1.1 U	1.1 U	2.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	2.0 U	2.1 U	2.2 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethane, 1,1,2-	2.2 U	1.1 U	1.1 U	2.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	2.0 U	2.1 U	2.2 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethene	2.2 U	0.32 J	1.1 U	2.0 U	1.1 U	1.1 U	1.1 U	1.1 U	0.87 J	2.2 U	2.0 U	2.1 U	2.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichlorofluoromethane	1.6 J	1.4	1.5	1.6 J	1.5	1.2	1.2	1.0 J	1.3	1.7 J	1.4 J	1.8 J	1.2 J	1.7	1.1	1.2	1.4
Trimethylbenzene, 1,2,3-	5.9	0.64 J	4.8	10	4.9	0.98 U	0.30 J	0.36 J	0.49 J	2.0 UJ	1.9	1.9 U	1.9 U	0.98 U	0.98 U	0.98 U	0.98 U
Trimethylbenzene, 1,2,4-	6.9	2.4	1.6	3.7	4.6	0.98 U	0.98 U	0.98 U	0.62 J	2.0 U	1.8 U	1.9 U	1.9 U	0.98 U	0.98 U	0.98 U	0.98 U
Trimethylbenzene, 1,3,5-	3.2	0.79 J	1.5	3.8	3.5	0.98 U	0.27 J	0.32 J	0.28 J	2.0 U	1.8 UJ	5.2 J	1.9 U	0.98 U	0.98 U	0.98 U	0.98 U
Trimethylpentane, 2,2,4-	1.9 U	0.93 U	0.93 UJ	1.8 U	0.93 U	0.93 U	0.93 U	0.93 UJ	0.93 UJ	1.9 U	1.8 UJ	1.8 UJ	1.8 U	0.93 U	0.93 UJ	0.93 U	0.93 U
Undecane, n-	2.5 J	0.83 J	1.8	8.1	1.3 UJ	1.3 U	1.3 U	1.3 U	1.3 U	2.6 U	2.2 J	2.5 UJ	2.5 J	0.96 J	0.45 J	1.3 U	0.57 J
Vinyl bromide	1.8 U	0.87 U	0.87 U	1.6 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	1.8 U	1.6 U	1.7 U	1.7 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl chloride	1.0 U	0.51 U	0.51 U	0.97 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	1.0 U	0.96 U	0.99 U	1 U	0.51 U	0.51 U	0.51 U	0.51 U
Other (%)																	
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NA	NA	NA	NA	0.063	0.13	0.64	0.531	0.034	0.289	NA	NA	NA	NA	NA	0.0167 U	0.021

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2-SG14 12/29/2008	OU2SG14 3/16/2009	OU2SG-14 6/16/2009	OU2SG-14 9/21/2009	OU2SG15 4/3/2008	OU2SG15 6/19/2008	OU2SG15 9/18/2008	Duplicate of OU2SG15 9/18/2008	OU2SG15 12/29/2008	OU2SG15 3/16/2009	OU2SG-15 6/16/2009	OU2SG-15 9/21/2009	OU2SG16 4/3/2008	OU2SG16 6/24/2008	OU2SG16 9/18/2008	OU2SG16 12/29/2008	OU2SG16 3/17/2009	
BTEX (ug/m3)																		
Benzene	0.64 U	0.64 U	0.64 U	1.3 U	0.72	0.64 UJ	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	1.3 U	0.28 J	0.64 U	0.64 U	0.64 U	0.19 J	
Toluene	0.75 U	0.75 U	1.4	1.5	2.1	1.2	0.60 J	0.72 J	2.5	3.1	4.9	2.3	1.6	9.6	6.3	46	2.3	
Ethylbenzene	0.87 U	0.87 U	0.87 U	1.7 U	0.68 J	0.30 J	0.22 J	0.37 J	0.45 J	0.57 J	0.43 J	1.1	0.69 J	0.48 J	0.65 J	0.61 J		
Xylene, m,p-	1.7 U	1.7 U	0.45 J	3.5 U	2.2	0.87 J	0.52 J	0.56 J	1.4 J	1.7 J	2.4	1.2 J	3.7	2.1	1.3 J	14	1.9	
Xylene, o-	0.87 U	0.87 U	0.87 U	1.7 U	1.0	0.35 J	0.30 J	0.30 J	0.70 J	0.85 J	1.3	0.78 J	2.7	0.95	0.65 J	5.9	1.1	
Other VOCs (ug/m3)																		
Acetaldehyde	3.3 U	1.8 U	4.5 U	4.8 J	4.5 U	10	9.6	11	3.3 U	2.7 U	7.1	7.3 J	4.5 U	52	8.5 J	4.0 J	6.6	
Acetone	1.7 U	1.9 U	3.2 U	4.8 U	3.6 U	6.8	2.8 J	5.0 J	2.0 U	2.0 U	4.2 U	5.5 UJ	1.9 U	28	3.8	2.0 U	4.4 J	
Acrolein (propenal)	0.46 U	0.46 U	1.2 UJ	2.3 U	0.16 J	0.27 J	0.46 U	0.46 U	0.46 U	0.46 U	0.36 J	2.3 U	1.2 U	0.46	0.46 U	0.46 U	0.46 U	
Allyl chloride	0.63 U	0.63 U	0.63 U	1.2 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	1.2 U	0.63 UJ	0.63 UJ	0.63 U	0.63 U	0.63 U	
Benzo(b)thiophene	1.1 UJ	1.1 U	1.1 U	2.2 U	1.1 UJ	1.1 UJ	1.1 U	1.1 U	1.1 UJ	1.1 U	1.1 U	2.2 U	1.1 UJ	1.1 U	1.1 U	1.1 UJ	2.7 U	
Bromodichloromethane	1.3 U	1.3 U	1.3 U	2.7 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	2.7 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	
Bromoform	2.1 U	2.1 U	2.1 U	4.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	
Bromomethane	0.78 U	0.78 U	0.78 U	1.6 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	1.6 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	
Butadiene, 1,3-	0.44 U	0.44 U	0.44 U	0.88 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.88 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	
Butane	0.48 U	0.48 U	0.48 U	0.95 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.95 U	0.26 J	0.17 J	0.48 U	0.63	0.48 U	
Butanone, 2-	0.59 U	0.59 U	0.47 J	1.1 J	0.62 J	1.7	0.88	1.3	0.59 U	0.59 U	0.51 J	1.2 U	0.29 J	2.1	1.6	0.59 U	1.4	
Carbon disulfide	0.16 J	0.62 U	0.19 J	0.62 J	0.21 J	1.2 U	0.62 U	0.65 U	1.7	2.3	9.7	6.9	0.85	1.2	0.75 U	8.7	0.62 U	
Carbon tetrachloride	1.3 U	1.3 U	1.3 U	2.5 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	2.5 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	
Chlorobenzene	0.92 U	0.92 U	0.92 U	1.8 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	
Chloroethane	0.53 U	0.53 U	0.53 U	1.0 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	1.0 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	
Chloroform	0.40 J	12	0.56 J	2.0 U	0.98 U	2.0	0.34 J	0.98 U	0.98 U	0.98 U	0.98 U	2.0 U	3.0	6.1	7.1	2.8	3.4	
Chloromethane	0.13 J	0.41 U	0.13 J	0.83 U	0.41 U	0.17 J	0.41 U	0.41 U	0.41 U	0.41 U	0.12 J	0.83 U	0.41 U	0.12 J	0.41 U	0.41 U	0.41 U	
Chlorotoluene, 2-	1.0 U	1.0 U	1.0 U	2.1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
Cryofluorane	1.4 U	1.4 U	1.4 U	2.8 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	2.8 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	
Cyclohexane	0.69 U	0.69 U	0.69 U	1.4 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.24 J	0.51 J	0.58 J	0.55 J	0.69 U	0.28 J	0.31 J	150	0.62 J
Decane, n-	1.2 U	1.2 U	1.2	2.3 U	10	12	57	57	1.2 U	1.2 U	1.2 U	2.3 U	2.4	72	100	1.2 U	2.9	
Dibromochloromethane	1.7 U	1.7 U	1.7 U	3.4 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	3.4 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	
Dibromoethane, 1,2-	1.5 U	1.5 U	1.5 U	3.1 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.1 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	
Dichlorobenzene, 1,2-	1.2 U	1.2 U	1.2 U	2.4 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.75 J	0.72 J	1.2 U	1.2 U	1.2 U	0.40 J	1.2 U	
Dichlorobenzene, 1,3-	1.2 U	1.2 U	0.60 J	2.4 U	1.2 U	1.4	1.8	1.8	1.2 U	1.2 U	0.38 J	2.4 U	1.2 U	6.2	2.0	1.2 U	4.9	
Dichlorobenzene, 1,4-	1.2 U	1.2 U	0.44 J	2.4 U	0.41 J	1.2 U	1.2 U	1.2 U	0.61 J	0.73 J	2.6	2.4	1.2 U	0.60 J	0.36 J	0.31 J	1.6	
Dichlorodifluoromethane	3.1	2.2	1.6	2.6	2.0	3.7	2.6	2.6	2.9	2.2	1.2	2.9	1.8	2.2	2.8	2.2	2.4	
Dichloroethane, 1,1-	0.81 U	0.81 U	0.81 U	1.6 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	1.6 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	
Dichloroethane, 1,2-	0.81 U	0.81 U	0.81 U	1.6 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	1.6 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 UJ	
Dichloroethene, 1,1-	0.79 U	0.79 U	0.79 U	1.6 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	
Dichloroethene, cis-1,2-	0.79 U	0.79 U	0.79 U	1.6 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	
Dichloropropane, 1,2-	0.92 U	0.92 U	0.92 U	1.8 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	
Dichloropropene, cis-1,3	0.91 U	0.91 U	0.91 U	1.8 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	1.8 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	
Dichloropropene, trans-1,3	0.91 U	0.91 U	0.91 U	1.8 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	1.8 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	
Dioxane, 1,4-	0.72 U	0.72 U	0.72 UJ	1.4 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 UJ	1.4 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	
Dodecane, n-	1.4 U	1.4 UJ	2.6	2.8 U	7.7	20 J	33 J	14 J	1.4 U	0.38 J	0.71 J	2.8 U	1.9	71 J	41	1.4 UJ	1.5 J	
Ethanol	1.9 U	1.1 J	4.1	3.8 U	4.3 J	4.5	12	12	1.1 J	1.7 J	7.6	3.8 U	1.3 J	2.2	36	1.6 J	93	
Ethylthiophene, 2-	0.92 U	0.92 U	0.92 U	1.8 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2-SG14 12/29/2008	OU2SG14 3/16/2009	OU2SG-14 6/16/2009	OU2SG-14 9/21/2009	OU2SG15 4/3/2008	OU2SG15 6/19/2008	OU2SG15 9/18/2008	Duplicate of OU2SG15 9/18/2008	OU2SG15 12/29/2008	OU2SG15 3/16/2009	OU2SG-15 6/16/2009	OU2SG-15 9/21/2009	OU2SG16 4/3/2008	OU2SG16 6/24/2008	OU2SG16 9/18/2008	OU2SG16 12/29/2008	OU2SG16 3/17/2009
Ethyltoluene, p-	0.98 U	0.98 U	0.98 U	2.0 U	0.42 J	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	2.0 U	0.79 J	0.49 J	0.25 J	0.36 J	0.54 J
Heptane, n-	0.82 U	0.82 UJ	0.82 U	1.6 U	0.23 J	0.82 U	0.82 U	0.82 U	0.82 U	0.82 UJ	0.82 U	1.6 U	0.82 UJ	1.2 J	1.2	0.38 J	0.82 U
Hexachlorobutadiene	2.1 U	2.1 U	2.1 U	4.3 UJ	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.3 UJ	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Hexane, n-	0.70 U	0.70 U	0.70 U	1.4 U	0.26 J	0.70 UJ	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	1.4 U	0.70 U	0.49 J	0.39 J	17	0.28 J
Hexanone, 2-	0.82 U	0.82 U	0.82 U	1.6 U	0.82 U	0.45 J	1.4	1.3	0.82 U	0.82 U	0.82 U	1.6 U	0.82 U	0.82 U	2.1	0.82 U	2.0 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	0.97 U	0.97 U	0.97 U	1.9 U	0.26 J	0.97 U	0.97 U	0.97 U	0.97 U	0.27 J	0.64 J	1.9 U	0.52 J	0.72 J	0.29 J	0.97 U	0.68 J
Indene	0.95 U	0.95 U	0.95 U	1.9 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	1.9 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	0.72 U	0.72 U	0.72 U	1.4 U	0.72 U	0.72 UJ	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	1.4 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Methyl-2-pentanone, 4-	0.82 U	0.82 UJ	0.82 U	1.6 U	0.82 U	0.25 J	0.82 U	0.82 U	0.82 U	0.82 UJ	0.82 U	1.6 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Methylene chloride	2.4 U	1.7 U	1.7 U	3.5 U	1.7 U	1.8 U	0.69 U	1.9 U	2.7 U	1.7 U	1.7 U	3.5 U	1.7 U	1.7 U	0.69 U	1.7 U	1.7 U
Methylnaphthalene, 1-	5.8 UJ	1.2 U	1.2 U	2.3 U	1.2 UJ	2.9 U	1.2 U	1.2 U	5.8 UJ	1.2 U	0.76 J	1.2 J	1.2 UJ	2.9 UJ	1.2 U	R	2.9 UJ
Methylnaphthalene, 2-	5.8 U	1.2 U	1.2 U	2.3 U	1.2 UJ	2.9 U	1.2 U	1.2 U	5.8 U	1.2 U	1.2	2.0 J	1.2 UJ	0.70 J	1.2 U	14 UJ	2.9 UJ
Methylthiophene, 2-	0.80 U	0.80 U	0.80 U	1.6 U	0.80 U	0.80 UJ	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	1.6 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Methylthiophene, 3-	0.80 U	0.80 U	0.80 U	1.6 U	0.80 U	0.80 UJ	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	1.6 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Naphthalene	1.0 U	1.0 U	0.50 J	2.1 U	0.37 J	0.73 J	0.58 J	0.37 J	0.39 J	0.32 J	2.1	2.2	1.0 U	1.7	1.0 U	0.30 J	0.47 J
Nonane	1.0 U	1.0 U	0.33 J	2.1 U	0.39 J	0.42 J	0.94 J	0.68 J	1.0 U	1.0 U	1.0 U	2.1 U	1.0 U	1.2	1.7	1.0 U	1.3
Octane, n-	0.93 U	0.93 U	0.93 U	1.9 U	2.7	10	130	140	0.93 U	0.93 U	0.93 U	1.9 U	1.0	230	410	0.93 U	0.75 J
Pentane	0.59 U	0.59 U	0.59 U	1.2 U	0.39 J	0.21 J	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	1.2 U	0.47 J	0.32 J	0.59 U	1.4	0.59 U
Propanol, 2-	1.2 U	1.2 U	1.7 U	2.4 U	1.0 J	0.81 J	0.49 U	0.49 U	1.2 U	1.2 U	1.2 U	2.4 U	0.53 J	1.7 UJ	0.49 U	0.91 UJ	14
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.85 U	0.85 U	2.1	1.7 U	0.36 J	0.85 U	0.85 U	0.85 U	0.35 J	0.49 J	1.1	3.2	0.85 U	0.47 J	0.43 J	0.85 U	0.85 U
t-Butyl alcohol	0.61 U	1.5 U	0.61 U	1.2 U	0.68	0.61 U	0.61 U	0.61 U	0.61 U	1.5 U	0.22 J	0.48 J	0.28 J	1.8	0.48 J	0.61 U	0.15 J
Tetrachloroethane, 1,1,2,2-	1.4 U	1.4 U	1.4 U	2.7 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	2.7 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Tetrachloroethene	1.4 U	1.4 U	1.2 J	0.68 J	6.4	5.6	2.1	2.2	2.0	2.1	5.9	3.1	11	6.5	4.2	4.2	1.8
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	1.1 U	1.1 U	1.1 U	2.2 UJ	1.1	1.0 J	1.0 J	1.0 J	1.0 J	1.4	1.7 J	1.8 J	0.81 J	3.6 J	1.6	0.72 J	0.66 J
Thiophene	0.69 U	0.69 U	0.69 U	1.4 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	1.4 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Trans-1,2-dichloroethene	0.79 U	0.79 U	0.79 U	1.6 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	0.60 J	0.53 J	0.70 J	3.1 U	0.55 J	1.5 U	0.61 J	0.54 J	0.66 J	0.60 J	0.66 J	3.1 U	1.5 J	0.61 J	0.46 J	0.44 J	0.46 J
Trichlorobenzene, 1,2,4-	1.5 U	1.5 U	1.5 U	3.0 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.0 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Trichloroethane, 1,1,1-	1.1 U	1.1 U	1.1 U	2.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethane, 1,1,2-	1.1 U	1.1 U	1.1 U	2.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethene	1.1 U	1.1 U	1.1 U	2.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	1.1 U	1.1 U	5.2	1.1 U	1.1 U
Trichlorofluoromethane	1.6	1.1	1.6	1.8 J	1.2	1.9	1.1	1.2	1.4	1.1	1.4	1.7 J	1.4	2.2	1.7	1.4	1.2
Trimethylbenzene, 1,2,3-	0.98 U	0.98 U	0.27 J	2.0 UJ	1.8	0.88 J	0.49 J	0.44 J	0.78 J	1.1	0.96 J	0.59 J	3.8	3.6	0.69 J	1.6	3.0
Trimethylbenzene, 1,2,4-	0.98 U	0.98 U	0.59 J	2.0 U	0.53 J	0.98 U	0.93 J	0.93 J	0.98 U	0.31 J	2.1	0.88 J	0.46 J	0.88 J	1.5	0.72 J	0.79 J
Trimethylbenzene, 1,3,5-	0.98 U	0.98 U	0.98 U	2.0 U	1.3	0.54 J	0.98 U	0.25 J	0.33 J	0.47 J	0.52 J	2.0 U	1.7	1.8	0.39 J	0.65 J	1.3
Trimethylpentane, 2,2,4-	0.93 U	0.93 U	0.93 U	1.9 U	0.36 J	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	1.9 U	0.93 UJ	0.93 U	1.4	0.93 U	0.93 U
Undecane, n-	1.3 U	1.3 U	1.3 J	2.6 U	2.9	10	1.3 UJ	1.3 UJ	1.3 U	1.3 U	1.3 U	2.6 U	0.80 J	16	1.3 UJ	1.3 U	1.8
Vinyl bromide	0.87 U	0.87 U	0.87 U	1.8 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	1.8 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl chloride	0.51 U	0.51 U	0.51 U	1.0 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	1.0 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Other (%)																	
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	0.0221	0.128	0.0245	0.00361 U	NA	0.0172 U	0.016 U	0.018 U	0.0231	0.0183 U	0.0185	0.00378 U	NA	NA	0.0171 U	0.0158	0.0197 U

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG-16 9/29/2009	OU2SG17 4/3/2008	OU2SG17 6/20/2008	OU2SG17 9/22/2008	Duplicate of OU2SG17 9/22/2008	OU2SG17 12/29/2008	OU2SG17 3/17/2009	OU2SG-17 6/16/2009	OU2SG-17 9/29/2009	OU2SG18 4/3/2008	OU2SG18 6/19/2008	OU2SG18 9/18/2008	OU2SG18 12/29/2008	Duplicate of OU2SG18 12/29/2008	OU2SG18 3/18/2009	OU2SG-18 6/16/2009	OU2SG-18 9/29/2009	
BTEX (ug/m3)																		
Benzene	1.6 U	0.25 J	0.64 UJ	0.64 U	0.64 U	0.36 J	0.59 J	0.64 U	1.6 U	0.64 U	0.64 UJ	0.64 U	0.64 U	0.64 U	0.64 U	0.67 U	1.6 U	
Toluene	1.7 J	1.6	0.49 J	0.45 J	0.45 J	0.70 J	20	32	27	0.27 J	0.49 J	0.94	0.25 J	0.27 J	0.54 J	17	3.8	
Ethylbenzene	2.2 U	0.50 J	0.87 U	0.87 U	0.87 U	0.23 J	2.2 J	2.0	3.2	0.87 U	0.87 U	0.30 J	0.87 U	0.87 U	0.35 J	1.1	2.2 U	
Xylene, m,p-	1.2 J	1.5 J	0.35 J	0.35 J	0.30 J	0.53 J	9.0	2.3	7.8	1.7 U	0.43 J	0.82 J	1.7 U	1.7 U	0.74 J	0.79 J	4.3 U	
Xylene, o-	2.2 U	0.97	0.87 U	0.87 U	0.87 U	0.22 J	3.2	1.3	3.5	0.87 U	0.87 U	0.43 J	0.87 U	0.87 U	0.43 J	1.5	0.54 J	
Other VOCs (ug/m3)																		
Acetaldehyde	7.2	12	3.7 J	7.2 J	6.8	3.8 J	6.6 J	5.7 U	4.3 J	4.7 U	6.0	8.1 J	4.3 J	4.1 J	2.7 U	4.5 U	4.8	
Acetone	7.6 U	7.7 U	3.5	3.5	2.7	2.8 U	4.8 J	2.8 U	6.0 U	2.6 U	3.8	12	1.8 U	1.7 U	2.5 U	2.9 U	3.7 U	
Acrolein (propenal)	2.9 U	0.44 J	0.46 U	0.46 U	0.46 U	0.46 U	1.2	1.2 UJ	2.9 U	1.2 U	0.14 J	0.46 U	0.46 U	0.46 U	0.46 U	1.2 UJ	2.9 U	
Allyl chloride	1.6 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	1.6 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	1.6 U	
Benzothiophene	2.7 U	1.1 UJ	1.1 UJ	1.1 U	1.1 U	1.1 UJ	2.7 U	1.1 U	2.7 U	1.1 UJ	1.1 UJ	1.1 U	1.1 UJ	1.1 UJ	1.1 U	1.1 U	2.7 U	
Bromodichloromethane	3.4 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	3.4 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	3.4 U	
Bromoform	5.2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	5.2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	5.2 U	
Bromomethane	1.9 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	1.9 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	1.9 U	
Butadiene, 1,3-	1.1 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	1.1 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	1.1 U	
Butane	1.2 U	0.28 J	0.14 J	0.48 U	0.48 U	0.62	0.47 J	0.24 J	1.2 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.46 J	0.35 J	1.2 U	
Butanone, 2-	1.5 U	2.3	0.68	0.62	0.77	0.38 J	1.1	0.59	1.5 U	0.55 J	0.59	1.5	0.59 U	0.59 U	0.59 U	0.47 J	1.5 U	
Carbon disulfide	1.6 U	1.6	0.62 U	0.62 U	0.62 U	0.62 U	4.3	73	42	0.34 J	0.62 U	0.62 U	0.23 J	0.62 U	0.18 J	22	26	
Carbon tetrachloride	3.1 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	3.1 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	3.1 U	
Chlorobenzene	2.3 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	2.3 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	2.3 U	
Chloroethane	1.3 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	1.3 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	1.3 U	
Chloroform	8.3	1.7	3.2	1.1	0.98	0.50 J	0.27 J	0.82 J	2.4 U	0.44 J	1.2	0.93 J	0.32 J	0.30 J	15	0.75 J	2.4 U	
Chloromethane	1.0 U	0.19 J	0.12 J	0.41 U	0.41 U	0.26 J	0.23 J	0.15 J	1.0 U	0.41 U	0.17 J	0.41 U	0.41 U	0.41 U	0.13 J	0.13 J	1.0 U	
Chlorotoluene, 2-	2.6 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.6 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.6 U	
Cryofluorane	3.5 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	3.5 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	3.5 U	
Cyclohexane	0.60 J	0.69 U	0.69 U	0.69 U	0.69 U	0.65 J	2.4	3.2	2.3	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	4.3	2.6	
Decane, n-	2.9 U	1.4	3.7	18	17	1.7	1.1 J	1.2 U	2.9 U	1.2 U	10	61	0.70 J	0.77 J	1.2	0.41 J	2.9 U	
Dibromochloromethane	4.3 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	4.3 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	4.3 U	
Dibromoethane, 1,2-	3.8 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.8 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.8 U	
Dichlorobenzene, 1,2-	3.0 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	3.0 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	3.0 U	
Dichlorobenzene, 1,3-	3.0 U	1.2 U	0.36 J	0.36 J	0.36 J	1.2 U	1.2 U	1.2 U	3.0 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.37 J	3.0 U	
Dichlorobenzene, 1,4-	3.0 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.73 J	1.2 U	2.1 J	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	2.9	2.0 J	
Dichlorodifluoromethane	2.6	2.9	2.7	3.0	2.9	2.5	2.2	1.6	2.4 J	3.0	2.5	3.0	2.5	2.4	2.1	1.4	2.5	
Dichloroethane, 1,1-	2.0 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	2.0 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	2.0 U	
Dichloroethane, 1,2-	2.0 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 UJ	0.81 U	2.0 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	2.0 U	
Dichloroethene, 1,1-	2.0 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	2.0 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	2.0 U	
Dichloroethene, cis-1,2-	2.0 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	2.2	2.0 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	2.0 U	
Dichloropropane, 1,2-	2.3 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	2.3 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	2.3 U	
Dichloropropene, cis-1,3	2.3 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	2.3 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	2.3 U	
Dichloropropene, trans-1,3	2.3 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	2.3 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	2.3 U	
Dioxane, 1,4-	1.8 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 UJ	0.72 UJ	1.8 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 UJ	1.8 U	
Dodecane, n-	1.9 J	0.70 J	4.2 J	13	10	1.3 J	2.1 J	1.4 U	3.5 U	1.4 U	37 J	20	1.4 J	0.79 J	2.4 J	3.1	3.5 U	
Ethanol	6.5	6.4	1.5 J	3.2	2.8	5.3	7.4	4.0	1.8 J	1.5 J	3.0	25	1.7 J	2.3	7.6	2.6 U	1.2 J	
Ethylthiophene, 2-	2.3 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	2.3 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	2.3 U	

Table 6-1
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Bay Shore/Brightwaters Former MGP Site
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Sample Name: Sample Date:	OU2SG-16 9/29/2009	OU2SG17 4/3/2008	OU2SG17 6/20/2008	OU2SG17 9/22/2008	Duplicate of OU2SG17 9/22/2008	OU2SG17 12/29/2008	OU2SG17 3/17/2009	OU2SG-17 6/16/2009	OU2SG-17 9/29/2009	OU2SG18 4/3/2008	OU2SG18 6/19/2008	OU2SG18 9/18/2008	OU2SG18 12/29/2008	Duplicate of OU2SG18 12/29/2008	OU2SG18 3/18/2009	OU2SG-18 6/16/2009	OU2SG-18 9/29/2009
Ethyltoluene, p-	2.5 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.75 J	0.98 U	2.5 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.29 J	2.5 U
Heptane, n-	2.0 U	0.82 UJ	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	2.0 U	0.82 U	0.82 U	0.82	0.82 U	0.82 U	0.82 U	0.82 U	2.0 U
Hexachlorobutadiene	5.3 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	5.3 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	5.3 U
Hexane, n-	1.8 U	0.70 U	0.70 UJ	0.70 U	0.70 U	0.30 J	0.67 J	0.18 J	1.8 U	0.70 UJ	0.70 UJ	0.70 U	0.70 U	0.70 U	0.70 U	0.19 J	1.8 U
Hexanone, 2-	2.0 UJ	0.82 U	0.25 J	0.82 U	0.82 U	0.82 U	2.0 U	0.82 U	2.0 UJ	0.82 U	0.20 J	1.9	0.82 U	0.82 U	0.82 U	0.82 U	2.0 UJ
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	2.4 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.90 J	0.97 U	0.72 J	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.35 J	2.4 U
Indene	2.4 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.79 J	0.95 U	2.4 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	2.4 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	1.8 U	0.72 U	0.72 UJ	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	1.8 U	0.72 U	0.72 UJ	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	1.8 U
Methyl-2-pentanone, 4-	2.0 U	0.82 U	0.82 U	0.82 U	0.82 U	0.88	0.82 U	0.82 U	2.0 U	0.82 U	0.82 U	0.82 U	0.33 J	0.82 U	0.82 U	0.82 U	2.0 U
Methylene chloride	4.3 U	1.7 U	1.7 U	0.69 U	0.69 U	1.7 U	1.7 U	1.7 U	4.3 U	1.7 U	1.8 U	0.87 U	1.7 U	1.7 U	1.7 U	1.7 U	4.3 U
Methylnaphthalene, 1-	2.9 U	1.2 UJ	2.9 UJ	1.2 U	1.2 U	R	1.3 J	1.2 U	2.9 U	1.2 UJ	2.9 UJ	1.2 U	R	1.2 U	0.29 J	2.9 U	
Methylnaphthalene, 2-	2.9 UJ	1.2 UJ	2.9 UJ	1.2 U	1.2 U	14 UJ	2.6 J	1.2 U	2.9 UJ	1.2 UJ	2.9 UJ	1.2 U	14 UJ	14 UJ	1.2 U	0.37 J	2.9 UJ
Methylthiophene, 2-	2.0 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	2.0 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	2.0 U
Methylthiophene, 3-	2.0 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	2.0 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	2.0 U
Naphthalene	2.6 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	3.9	1.0 U	2.6 U	1.0 U	0.47 J	0.52 J	1.0 U	1.0 U	1.0 U	0.78 J	2.6 U
Nonane	2.6 U	1.0 U	1.0 U	0.42 J	0.31 J	0.29 J	1.0 U	1.0 U	2.6 U	1.0 U	1.0 U	1.2	1.0 U	1.0 U	1.0 U	1.0 U	2.6 U
Octane, n-	2.3 U	4.3	4.4	16	14	0.31 J	0.33 J	0.93 U	2.3 U	0.93 U	0.79 J	250	0.93 U	0.93 U	0.93 U	0.93 U	2.3 U
Pentane	1.5 U	0.75	0.65	0.59 U	0.59 U	2.4	0.72	0.53 J	1.5 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.53 J	0.37 J	1.5 U
Propanol, 2-	3.0 U	1.5	0.86 J	0.49 U	0.49 U	1.2 UJ	1.0 J	1.2 U	3.0 U	0.53 J	0.98 J	0.49 U	0.60 UJ	0.56 UJ	1.2 U	1.2 U	3.0 U
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	2.1 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.80 J	0.85 U	1.1 J	0.85 U	0.85 U	0.21 J	0.85 U	0.85 U	0.85 U	0.37 J	2.1 U
t-Butyl alcohol	1.5 U	0.94	0.61 U	0.61 U	0.61 U	0.61 U	0.21 J	0.73	1.5 U	0.38 J	0.61 U	0.48 J	0.61 U	0.61 U	0.25 J	0.29 J	1.5 U
Tetrachloroethane, 1,1,2,2-	3.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	3.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	3.4 U
Tetrachloroethene	1.0 J	3.9	1.8	1.0 J	1.0 J	0.40 J	10	22	19	1.2 J	1.4	1.2 J	1.4 U	1.4 U	1.4 U	22	17
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	2.7 UJ	1.1 U	1.1 U	0.44 J	0.27 J	1.1 U	1.6 J	1.1 U	2.6 J	1.1 U	1.1 U	0.66 J	1.1 U	1.1 U	1.1 U	1.1 J	2.7 UJ
Thiophene	1.7 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	1.7 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	1.7 U
Trans-1,2-dichloroethene	2.0 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	2.0 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	2.0 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.8 U	0.74 J	0.54 J	0.61 J	0.61 J	0.58 J	0.42 J	0.74 J	3.8 U	0.80 J	0.61 J	0.61 J	0.80 J	0.59 J	0.50 J	0.77 J	3.8 U
Trichlorobenzene, 1,2,4-	3.7 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.7 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.7 U
Trichloroethane, 1,1,1-	2.7 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.7 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.7 U
Trichloroethane, 1,1,2-	2.7 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.7 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.7 U
Trichloroethene	2.7 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1	1.1 U	1.3	2.7 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	0.60 J	2.7 U
Trichlorofluoromethane	1.5 J	1.9	1.6	1.6	1.6	1.5	1.2	2.0	1.4 J	1.7	1.6	1.5	1.5	1.7	1.9	1.6	1.4 J
Trimethylbenzene, 1,2,3-	2.5 U	0.66 J	0.29 J	0.98 U	0.98 U	0.33 J	3.4	0.98 U	2.2 J	0.98 U	0.59 J	0.44 J	0.98 U	0.98 U	0.53 J	1.1	2.5 U
Trimethylbenzene, 1,2,4-	0.74 J	0.98 U	0.98 U	0.39 J	0.39 J	0.98 U	1.1	0.98 U	2.5	0.98 U	0.98 U	0.98	0.98 U	0.98 U	0.98 U	0.34 J	2.5 U
Trimethylbenzene, 1,3,5-	2.5 U	0.38 J	0.98 U	0.98 U	0.98 U	0.98 U	1.4	0.98 U	1.4 J	0.98 U	0.39 J	0.25 J	0.98 U	0.98 U	0.58 J	0.98 U	2.5 U
Trimethylpentane, 2,2,4-	2.3 U	0.93 UJ	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	2.3 U	0.93 UJ	0.93 U	0.84 J	0.93 U	0.93 U	0.93 U	0.93 U	2.3 U
Undecane, n-	3.2 U	0.92 J	2.1	1.3 UJ	1.3 UJ	1.3 U	2.0	1.3 U	3.2 U	1.3 U	0.51 J	1.3 UJ	0.38 J	1.3 U	1.1 J	1.3 U	3.2 U
Vinyl bromide	2.2 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	2.2 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	2.2 U
Vinyl chloride	1.3 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	1.3 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	1.3 U
Other (%)																	
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	0.00333 U	NA	0.0316 U	0.0181 U	0.0215 U	0.0196	0.0168 U	0.0182	0.00364 U	NA	0.0182 U	0.0162 U	0.0163	0.0166	0.027	0.0188	0.16

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG19 3/19/2009	OU2SG-19A 3/31/2009	Duplicate of OU2SG-19A 3/31/2009	OU2SG-19P 3/31/2009	OU2SG-19A 4/1/2009	OU2SG-19P 4/1/2009	Duplicate of OU2SG-19P 4/1/2009	OU2SG-19 4/2/2009	OU2SG-19 4/3/2009	OU2SG-19 4/4/2009	OU2SG-19 4/5/2009	Duplicate of OU2SG-19 4/5/2009	OU2SG-19 4/6/2009	OU2SG-19 4/10/2009	OU2SG-19 4/17/2009	OU2SG-19 4/24/2009
BTEX (ug/m3)																
Benzene	0.24 J	0.19 J	0.64 U	0.64 U	0.64 U	0.19 J	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U
Toluene	1.2	0.49 J	0.27 J	0.27 J	0.28 J	0.65 J	0.33 J	0.34 J	0.44 J	0.34 J	0.45 J	0.45 J	0.29 J	0.41 J	0.38 J	0.21 J
Ethylbenzene	0.38 J	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Xylene, m,p-	1.1 J	0.87 J	0.30 J	0.28 J	1.7 U	0.71 J	1.7 U	1.7 U	0.43 J	1.7 U	1.7 U	1.7 U	0.51 J	0.69 J	0.63 J	1.7 U
Xylene, o-	0.40 J	0.31 J	0.87 U	0.87 U	0.87 U	0.22 J	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Other VOCs (ug/m3)																
Acetaldehyde	3.8 U	4.6 J	5.0 J	2.5 U	1.8 UJ	6.8 U	3.6 U	4.4 U	3.6 U	3.6 U	5.4 J	4.9 J	3.6 J	3.6 U	4.5 U	5.8 U
Acetone	3.8 U	3.4 J	2.5 J	1.8 U	1.8 UJ	4.4 U	2.7 U	2.2 U	2.1 U	1.8 U	2.1 J	2.4 J	1.6 J	1.9 U	1.8 UJ	2.7 J
Acrolein (propenal)	0.19 J	0.46 U	0.46 U	0.46 U	0.46 U	0.53	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U
Allyl chloride	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
Benzothiophene	1.1 U	2.7 U	2.7 U	2.7 U	2.7 U	14 UJ	14 UJ	14 UJ	14 UJ	14 UJ	14 UJ	14 UJ	14 UJ	14 UJ	14 UJ	14 UJ
Bromodichloromethane	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
Butadiene, 1,3-	0.44 U	0.44 UJ	0.44 UJ	0.44 UJ	0.44 UJ	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Butane	1.9	1.3	1.2	1.4	1.3	1.2	1.1	1.2	1.2	1.2	1.1	1.0	1.0	1.2	2.1	0.83
Butanone, 2-	0.64	0.64	0.59 U	0.59 U	0.59 U	0.86	0.59 J	0.51 J	0.60	0.43 J	0.35 J	0.47 J	0.42 J	0.32 J	0.39 J	0.46 J
Carbon disulfide	0.72	2.8	3.2	2.4	2.6	1.6	1.4	2.4	2.5	2.0	1.7 B	1.7 U	3.2	3.7	5.4	2.4
Carbon tetrachloride	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Chlorobenzene	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Chloroethane	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U
Chloroform	3.3	3.5	4.0	3.4	3.1	2.9	3.3	3.2	3.1	3.5	3.8	3.5	3.4	3.6	3.0	3.3
Chloromethane	0.15 J	0.21 J	0.41 U	0.41 U	0.41 U	0.68 J	0.13 J	0.18 J	0.41 U	0.13 J	0.14 J	0.14 J	0.14 J	0.14 J	0.14 J	0.41 U
Chlorotoluene, 2-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cryofluorane	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Cyclohexane	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.24 J
Decane, n-	1.4	0.30 J	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.39 J	1.2 U	1.2 U	0.41 J	1.2 U	1.2 U	0.42 J	1.2 U
Dibromochloromethane	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dibromoethane, 1,2-	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Dichlorobenzene, 1,2-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,3-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,4-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorodifluoromethane	2.0	2.7	2.5	2.6	2.4	2.5	2.6	2.5	2.6	3.0	3.0	2.8	2.8	3.1	2.9	2.6
Dichloroethane, 1,1-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethane, 1,2-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethene, 1,1-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloroethene, cis-1,2-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloropropane, 1,2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Dichloropropene, cis-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dichloropropene, trans-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dioxane, 1,4-	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Dodecane, n-	4.0 J	2.6 J	0.81 J	0.44 J	0.38 J	0.41 J	0.60 J	1.8	0.40 J	0.62 J	1.2 J	1.2 J	0.42 J	0.56 J	1.2 J	0.44 J
Ethanol	8.0	2.5 J	1.2 J	3.2 J	1.2 J	3.2	1.4 J	1.5 J	1.1 J	1.2 J	0.83 J	1.4 J	0.58 J	1.1 J	1.3 J	0.68 J
Ethylthiophene, 2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG19 3/19/2009	OU2SG-19A 3/31/2009	Duplicate of OU2SG-19A 3/31/2009	OU2SG-19P 3/31/2009	OU2SG-19A 4/1/2009	OU2SG-19P 4/1/2009	Duplicate of OU2SG-19P 4/1/2009	OU2SG-19 4/2/2009	OU2SG-19 4/3/2009	OU2SG-19 4/4/2009	OU2SG-19 4/5/2009	Duplicate of OU2SG-19 4/5/2009	OU2SG-19 4/6/2009	OU2SG-19 4/10/2009	OU2SG-19 4/17/2009	OU2SG-19 4/24/2009
Ethyltoluene, p-	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Heptane, n-	0.82 U	0.85	0.67 J	1.8	4.4	1.1	0.94	0.51 J	1.2	0.51 J	1.0	1.0	0.82 U	0.57 J	0.54 J	0.82 U
Hexachlorobutadiene	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	0.59 J	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Hexane, n-	0.51 J	0.19 J	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.26 J	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	1.2	0.70 U
Hexanone, 2-	0.82 U	2.0 U	2.0 U	2.0 U	2.0 U	0.82 U	0.82 U	0.59 J	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	0.97 U	0.43 J	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U
Indene	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Methyl-2-pentanone, 4-	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Methylene chloride	1.7 U	1.7 U	1.7 U	1.7 U	2.6 U	3.4 U	1.7 U	2.3 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	2.3 U
Methylnaphthalene, 1-	1.2 U	3.5 J	2.9 UJ	2.9 UJ	2.9 UJ	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	14 U	14 UJ
Methylnaphthalene, 2-	1.2 U	6.9 J	2.9 UJ	2.9 UJ	2.9 UJ	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	14 U	14 UJ
Methylthiophene, 2-	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Methylthiophene, 3-	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Naphthalene	1.0 U	2.9 J	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	0.29 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.30 J	1.0 U
Nonane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.31 J	1.0 U
Octane, n-	0.25 J	0.93 U	0.93 U	0.93 U	0.93 U	0.25 J	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.28 J	0.93 U
Pentane	1.3	0.76	0.65	0.74	0.71	1.1	0.58 J	0.64	0.65	0.68	0.62	0.62	0.56 J	0.65	1.5	0.41 J
Propanol, 2-	1.2 U	1.2 U	1.2 U	1.2 U	1.1 J	1.2 J	0.52 J	0.50	0.52 U	0.49 U	0.49 U	0.86	0.49 U	0.49 U	0.43 J	0.95 U
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U
t-Butyl alcohol	0.22 J	0.19 J	0.19 J	0.61 U	0.61 U	0.19 J	0.18 J	0.61 U	0.61 U	0.61 U	0.15 J	0.39 J	0.61 U	0.61 U	0.15 J	0.61 U
Tetrachloroethane, 1,1,2,2-	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Tetrachloroethene	1.4 U	0.55 J	0.56 J	0.40 J	1.4 U	0.54 J	0.44 J	0.50 J	0.45 J	0.59 J	0.61 J	0.61 J	0.60 J	0.68 J	0.64 J	0.61 J
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	1.1 U	1.2 J	2.7 U	2.7 U	2.7 U	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U
Thiophene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Trans-1,2-dichloroethene	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	0.48 J	0.41 J	0.43 J	0.51 J	1.5 U	0.51 J	0.52 J	0.51 J	0.54 J	0.58 J	0.61 J	0.54 J	0.57 J	0.61 J	0.62 J	0.56 J
Trichlorobenzene, 1,2,4-	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Trichloroethane, 1,1,1-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethane, 1,1,2-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethene	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichlorofluoromethane	1.1 J	1.4	1.5	1.4	1.2	1.3	1.4	1.3	1.3	1.6	1.6	1.7	1.7	2.2	1.6	1.6
Trimethylbenzene, 1,2,3-	0.38 J	0.44 J	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Trimethylbenzene, 1,2,4-	0.98 U	0.75 J	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Trimethylbenzene, 1,3,5-	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Trimethylpentane, 2,2,4-	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 UJ	0.93 U
Undecane, n-	4.2	0.68 J	1.3 U	1.3 U	1.3 U	0.40 J	1.3 U	0.56 J	1.3 U	1.3 U	0.45 J	0.51 J	1.3 U	1.3 U	0.50 J	1.3 U
Vinyl bromide	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl chloride	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Other (%)																
Carbon Dioxide	NA	0.142 U	0.246	0.232	5.85	5.57	1.84	1.76	1.92	1.77	1.95	1.96	2.06	2.15	2.08	2.43
Helium	0.035	0.0142 U	0.0192 U	0.0196 U	0.018	0.0173	0.0149	0.025	0.0167	0.0209	0.0178	0.0198	0.0173	0.016	0.0176	0.0188

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	Duplicate of OU2SG-19 4/24/2009	OU2SG-19 5/13/2009	OU2SG-19 6/16/2009	OU2SG-19 7/13/2009	Duplicate of OU2SG-19 7/13/2009	OU2SG-19 8/10/2009	OU2SG-19 9/22/2009	OU2SG20 3/18/2009	OU2SG-20A 3/31/2009	OU2SG-20P 3/31/2009	OU2SG-20A 4/1/2009	OU2SG-20P 4/1/2009	OU2SG-20 4/2/2009	OU2SG-20 4/3/2009	OU2SG-20 4/4/2009	OU2SG-20 4/5/2009
BTEX (ug/m3)																
Benzene	0.64 U	0.64 U	0.30 J	3.2 U	0.64 U	0.64 U	1.6 U	8.9	3.9	1.7	2.8 J	0.77	1.4	0.84	2.9	2.6
Toluene	0.21 J	0.94	0.35 J	3.8 U	0.42 J	0.26 J	1.9 U	3.3	0.47 J	0.54 J	0.43 J	0.36 J	0.52 J	0.57 J	0.57 J	0.64 J
Ethylbenzene	0.87 U	0.87 U	0.87 U	4.3 U	0.87 U	0.87 U	2.2 U	4.0	0.74 J	0.49 J	0.48 J	0.49 J	0.44 J	0.66 J	0.61 J	
Xylene, m,p-	1.7 U	0.52 J	1.7 U	8.7 U	1.7 U	1.7 U	4.3 U	2.9	0.37 J	3.5 U	1.7 U	1.7 U	1.7 U	0.49 J	1.7 U	1.7 U
Xylene, o-	0.87 U	0.87 U	0.87 U	4.3 U	0.87 U	0.87 U	2.2 U	2.3	1.5	0.97 J	0.89 J	0.69 J	0.84 J	0.83 J	1.1	1.1
Other VOCs (ug/m3)																
Acetaldehyde	6.0 J	4.5 UJ	8.0	22 UJ	10 J	7.1	9.1 U	1.8 UJ	1.8 UJ	3.6 UJ	1.8 UJ	3.6 UJ	3.6 UJ	3.6 UJ	3.6 UJ	3.6 UJ
Acetone	2.3 J	2.9 U	3.0 U	6.3 J	4.6 J	3.8 U	5.2 U	1.8 UJ	1.8 UJ	3.6 UJ	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ
Acrolein (propenal)	0.46 U	1.2 U	0.47 J	5.7 U	1.2 U	1.2 U	2.9 U	0.46 U	0.46 U	0.92 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U
Allyl chloride	0.63 U	0.63 U	0.63 U	3.1 U	0.63 U	0.63 U	1.6 U	0.63 U	0.63 U	1.2 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
Benzoanthracene	14 UJ	1.1 U	1.1 U	5.5 UJ	1.1 UJ	1.1 UJ	2.7 U	1.1 U	2.7 U	5.5 U	2.7 U	14 UJ	14 UJ	14 UJ	14 UJ	14 UJ
Bromodichloromethane	1.3 U	1.3 U	1.3 U	6.7 U	1.3 U	1.3 U	3.4 U	1.3 U	1.3 U	2.7 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	2.1 U	2.1 U	2.1 UJ	10 U	2.1 U	2.1 U	5.2 U	2.1 U	2.1 U	4.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	0.78 U	0.78 U	0.78 U	3.9 U	0.78 U	0.78 U	1.9 U	0.78 U	0.78 U	1.6 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
Butadiene, 1,3-	0.44 U	0.44 U	0.44 U	2.2 U	0.44 U	0.44 U	1.1 U	0.24 J	0.44 UJ	0.88 UJ	0.44 UJ	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Butane	0.75	0.76	0.54	2.4 U	0.36 J	0.55	1.2 U	50	20	18	15 J	9.7	10	7.7	11	11
Butanone, 2-	0.59 U	0.50 J	0.30 J	3.0 U	0.59 U	0.59 U	1.5 U	3.7	0.59 U	1.2 U	0.59 U	0.48 J	0.55 J	0.28 J	0.95	0.50 J
Carbon disulfide	2.1	4.0	1.9	4.5 J	2.6 J	1.8	1.6 U	9.0	1.1 U	1.2 U	1.1 U	0.73 U	1.2	0.92 U	1.9	2.4
Carbon tetrachloride	1.3 U	1.3 U	1.3 U	6.3 U	1.3 U	1.3 U	3.1 U	1.3 U	1.3 U	2.5 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Chlorobenzene	0.92 U	0.92 U	0.92 U	4.6 U	0.92 U	0.92 U	2.3 U	0.92 U	0.92 U	1.8 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Chloroethane	0.53 U	0.53 U	0.53 U	2.6 U	0.53 U	0.53 U	1.3 U	0.53 U	0.53 U	1.0 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U
Chloroform	3.4	5.3	8.3	16	13	18	10	49	46	60	42 J	46	50	50	43	40
Chloromethane	0.41 U	0.41 U	0.15 J	2.1 U	0.16 J	0.19 J	1.0 U	0.50	0.28 J	0.41 J	0.32 J	0.26 J	0.33 J	0.34 J	0.29 J	0.27 J
Chlorotoluene, 2-	1.0 U	1.0 U	1.0 U	5.2 U	1.0 U	1.0 U	2.6 U	1.0 U	1.0 U	2.1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cryofluorane	1.4 U	1.4 U	1.4 U	7.0 U	1.4 U	1.4 U	3.5 U	1.4 U	1.4 U	2.8 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Cyclohexane	0.69 U	0.69 U	0.69 U	3.4 U	0.69 U	0.69 U	1.7 U	5.3	0.72	1.4 U	0.48 J	0.21 J	0.25 J	0.32 J	0.59 J	0.58 J
Decane, n-	1.2 U	1.2 U	1.2 U	5.8 U	0.32 J	1.2 U	2.9 U	31	1.2 U	2.3 U	1.2 U	1.2 U	1.2 U	2.0	1.2 U	1.2 U
Dibromochloromethane	1.7 U	1.7 U	1.7 U	8.5 U	1.7 U	1.7 U	4.3 U	1.7 U	1.7 U	3.4 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dibromoethane, 1,2-	1.5 U	1.5 U	1.5 U	7.7 U	1.5 U	1.5 U	3.8 U	1.5 U	1.5 U	3.1 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Dichlorobenzene, 1,2-	1.2 U	1.2 U	1.2 U	6.0 U	1.2 U	1.2 U	3.0 U	1.2 U	1.2 U	2.4 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,3-	1.2 U	1.2 U	1.2 U	6.0 U	1.2 U	1.2 U	3.0 U	1.2 U	1.2 U	2.4 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,4-	1.2 U	1.2 U	1.2 U	6.0 U	1.2 U	1.2 U	3.0 U	1.2 U	1.2 U	2.4 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorodifluoromethane	2.9	2.1	1.9	6.6	4.8	7.1	6.7	3.1	5.0	5.3	4.2 J	4.4	4.7	5.3	5.7	5.1
Dichloroethane, 1,1-	0.81 U	0.81 U	0.81 U	4.0 U	0.81 U	0.81 U	2.0 U	0.81 U	0.81 U	1.6 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethane, 1,2-	0.81 U	0.81 U	0.81 U	4.0 U	0.81 U	0.81 U	2.0 U	0.81 U	0.81 U	1.6 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethene, 1,1-	0.79 U	0.79 U	0.79 U	4.0 U	0.79 U	0.79 U	2.0 U	0.79 U	0.79 U	1.6 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloroethene, cis-1,2-	0.79 U	0.79 U	0.79 U	4.0 U	0.79 U	0.79 U	2.0 U	1.4	1.4	0.56 J	1.0 J	0.29 J	0.56 J	0.45 J	1.3	1.5
Dichloropropane, 1,2-	0.92 U	0.92 U	0.92 U	4.6 U	0.92 U	0.92 U	2.3 U	0.92 U	0.92 U	1.8 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Dichloropropene, cis-1,3	0.91 U	0.91 U	0.91 U	4.5 U	0.91 U	0.91 U	2.3 U	0.91 U	0.91 U	1.8 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dichloropropene, trans-1,3	0.91 U	0.91 U	0.91 U	4.5 U	0.91 U	0.91 U	2.3 U	0.91 U	0.91 U	1.8 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dioxane, 1,4-	0.72 U	0.72 UJ	0.72 UJ	3.6 U	0.72 U	0.72 U	1.8 U	0.72 U	0.72 U	1.4 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Dodecane, n-	0.41 J	0.42 J	0.74 J	7.0 U	0.47 J	2.3	3.5 U	6.8 J	3.5 UJ	1.1 J	3.5 UJ	1.4 UJ	1.4 UJ	1.4 UJ	1.4 UJ	1.4 UJ
Ethanol	0.68 J	1.9 U	1.9 U	3.2 J	0.87 J	0.90 J	4.7 U	4.8	1.7 J	3.6 J	0.81 J	0.71 J	1.2 J	1.0 J	7.5	0.62 J
Ethylthiophene, 2-	0.92 U	0.92 U	0.92 U	4.6 U	0.92 U	0.92 U	2.3 U	0.92 U	0.92 U	1.8 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U

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Sample Name: Sample Date:	Duplicate of OU2SG-19 4/24/2009	OU2SG-19 5/13/2009	OU2SG-19 6/16/2009	OU2SG-19 7/13/2009	Duplicate of OU2SG-19 7/13/2009	OU2SG-19 8/10/2009	OU2SG-19 9/22/2009	OU2SG20 3/18/2009	OU2SG-20A 3/31/2009	OU2SG-20P 3/31/2009	OU2SG-20A 4/1/2009	OU2SG-20P 4/1/2009	OU2SG-20 4/2/2009	OU2SG-20 4/3/2009	OU2SG-20 4/4/2009	OU2SG-20 4/5/2009
Ethyltoluene, p-	0.98 U	0.98 U	0.98 U	4.9 U	0.98 U	0.98 U	2.5 U	0.98 U	0.98 U	2.0 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Heptane, n-	0.82 U	0.82 U	0.82 U	4.1 U	0.82 U	0.82 U	2.0 U	7.9 J	0.97	0.57 J	0.44 J	0.37 J	0.82 U	2.6	0.90	1.3
Hexachlorobutadiene	2.1 U	2.1 U	2.1 U	11 U	2.1 U	2.1 U	5.3 U	2.1 U	2.1 U	4.3 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Hexane, n-	0.70 U	0.70 U	0.70 U	3.5 U	0.70 U	0.70 U	1.8 U	11	1.5	1.5	1.3 J	0.74	0.68 J	0.81	0.92	0.74
Hexanone, 2-	0.82 U	0.82 U	0.82 U	4.1 U	0.82 U	0.82 U	2.0 U	0.82 U	2.0 U	4.1 U	2.0 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	0.97 U	0.97 U	0.97 UJ	4.8 U	0.97 U	0.97 U	2.4 U	4.0	3.4	2.6	2.2 J	2.0	2.4	2.5	3.4	3.2
Indene	0.95 U	0.95 U	0.95 UJ	4.8 U	0.95 U	0.95 U	2.4 U	0.95 U	0.95 U	1.9 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	0.72 U	0.72 U	0.72 U	3.6 U	0.72 U	0.72 U	1.8 U	0.72 U	0.72 U	1.4 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Methyl-2-pentanone, 4-	0.82 U	0.82 U	0.82 U	4.1 U	0.82 U	0.82 U	2.0 U	0.82 U	0.82 U	1.6 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Methylene chloride	2.4 U	1.7 J	1.7 U	8.7 U	1.7 U	1.7 U	4.3 U	1.8 U	1.7 U	3.5 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Methylnaphthalene, 1-	14 UJ	1.2 U	1.2 U	5.8 UJ	1.2 UJ	1.2 U	2.9 U	1.2 U	2.9 UJ	5.8 UJ	2.9 UJ	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U
Methylnaphthalene, 2-	14 UJ	1.2 U	1.2 U	5.8 UJ	1.2 UJ	1.2 U	2.9 U	1.2 U	2.9 UJ	5.8 UJ	2.9 UJ	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U
Methylthiophene, 2-	0.80 U	0.80 U	0.80 U	4.0 U	0.80 U	0.80 U	2.0 U	0.80 U	0.80 U	1.6 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Methylthiophene, 3-	0.80 U	0.80 U	0.80 U	4.0 U	0.80 U	0.80 U	2.0 U	0.80 U	0.80 U	1.6 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Naphthalene	1.0 U	1.0 U	1.0 U	5.2 U	1.0 U	1.0 U	2.6 U	1.0 UJ	1.0 U	2.1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Nonane	1.0 U	1.0 U	1.0 U	5.2 U	1.0 U	1.0 U	2.6 U	11	1.0 U	2.1 U	1.0 U	1.0 U	1.0 U	0.79 J	1.0 U	1.0 U
Octane, n-	0.93 U	0.93 U	0.93 U	4.7 U	0.93 U	0.93 U	2.3 U	31	0.74 J	0.56 J	0.32 J	0.43 J	0.35 J	0.57 J	0.93 U	0.93 U
Pentane	0.35 J	0.68	0.38 J	3.0 U	0.59 U	0.35 J	1.5 U	42	8.4	7.6	5.8 J	3.7	3.8	2.7	4.6	4.6
Propanol, 2-	0.63 U	1.2 U	1.2 U	1.8 J	1.2 U	1.2 U	5.6 U	1.2 UJ	1.2 U	2.5 U	1.2 U	0.49 U	0.49 UJ	0.49 U	0.49 U	0.49 UJ
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.85 U	0.85 U	0.85 U	4.3 U	0.85 U	0.85 U	2.1 U	0.98	0.85 U	1.7 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U
t-Butyl alcohol	0.61 U	0.61 U	0.61 U	3.0 U	0.61 U	0.61 U	1.5 U	0.53 J	0.61 U	1.2 U	0.15 J	0.22 J	0.20 J	0.21 J	0.22 J	0.27 J
Tetrachloroethane, 1,1,2,2-	1.4 U	1.4 U	1.4 U	6.9 U	1.4 U	1.4 U	3.4 U	1.4 U	1.4 U	2.7 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Tetrachloroethene	0.64 J	1.3 J	2.3	3.8 J	6.0	3.3	2.4 J	0.64 J	0.87 J	2.7 U	0.62 J	0.68 J	0.79 J	0.89 J	1.0 J	1.1 J
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	5.5 U	1.1 U	1.1 U	5.5 UJ	1.1 UJ	1.1 UJ	2.7 UJ	27	92 J	95	95 J	100 J	130 J	140 J	320 J	230 J
Thiophene	0.69 U	0.69 U	0.69 U	3.4 U	0.69 U	0.69 U	1.7 U	0.69 U	0.69 U	1.4 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Trans-1,2-dichloroethene	0.79 U	0.79 U	0.79 U	4.0 U	0.79 U	0.79 U	2.0 U	0.79 U	0.79 U	1.6 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	0.54 J	0.77 J	0.67 J	7.7 U	0.43 J	0.46 J	3.8 U	0.57 J	0.62 J	3.1 U	0.60 J	0.72 J	0.75 J	0.83 J	0.85 J	0.84 J
Trichlorobenzene, 1,2,4-	1.5 U	1.5 U	1.5 U	7.4 U	1.5 U	1.5 U	3.7 U	1.5 U	1.5 U	3.0 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Trichloroethane, 1,1,1-	1.1 U	1.1 U	0.43 J	5.4 U	0.89 J	1.2	2.7 U	1.1 U	1.1 U	2.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethane, 1,1,2-	1.1 U	1.1 U	1.1 U	5.4 U	1.1 U	1.1 U	2.7 U	1.1 U	1.1 U	2.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethene	1.1 U	1.1 U	1.1 U	5.4 U	0.53 J	1.1 U	2.7 U	0.56 J	0.51 J	2.2 U	1.1 U	1.1 U	1.1 U	1.1 U	0.42 J	0.48 J
Trichlorofluoromethane	1.6	2.7	2.4	5.4 J	4.8	3.9	3.8	3.3	6.6	6.8	5.6 J	5.4	6.0	8.0	7.7	8.2
Trimethylbenzene, 1,2,3-	0.98 U	0.98 U	0.98 U	4.9 U	0.98 U	0.98 U	2.5 U	2.3	29	23	22 J	19	21	23	26	23
Trimethylbenzene, 1,2,4-	0.98 U	0.98 U	0.98 U	4.9 U	0.98 U	0.98 U	2.5 U	18	0.98 U	2.0 U	0.98 U	0.35 J	0.35 J	0.48 J	0.46 J	0.98 U
Trimethylbenzene, 1,3,5-	0.98 U	0.98 U	0.98 U	4.9 U	0.98 U	0.98 U	2.5 U	15	56	33	40 J	22	33	30	44	42
Trimethylpentane, 2,2,4-	0.93 U	0.93 U	0.93 U	4.7 U	0.93 U	0.93 U	2.3 U	0.93 UJ	4.8 J	1.9 U	0.93 U	0.93 U	0.93 U	2.3 J	3.0 J	3.4 J
Undecane, n-	1.3 U	1.3 U	1.3 U	6.4 U	1.3 U	1.3 U	3.2 U	11	1.3 UJ	2.6 U	1.3 UJ	1.3 UJ	1.3 UJ	1.3 UJ	1.3 UJ	1.3 UJ
Vinyl bromide	0.87 U	0.87 U	0.87 U	4.4 U	0.87 U	0.87 U	2.2 U	0.87 U	0.87 U	1.8 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl chloride	0.51 U	0.51 U	0.51 U	2.6 U	0.51 U	0.51 U	1.3 U	0.51 U	0.51 U	1.0 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Other (%)																
Carbon Dioxide	2.23	3.94	5.62	8.24	8.3	9.06	6.7	NA	0.773	1.12	3.5	4.17	4.33	5.09	10.5	5.3
Helium	0.0147	0.0193 U	0.0181	0.0209 U	0.18	0.0218 U	0.0176 U	0.585	0.078	0.0174 U	0.017	0.0165	0.0209	0.0192	0.0197	0.0191

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG-20 4/6/2009	OU2SG-20 4/10/2009	OU2SG-20 4/17/2009	OU2SG-20 4/24/2009	OU2SG-20 5/13/2009	OU2SG-20 6/16/2009	OU2SG-20 7/13/2009	OU2SG-20 8/10/2009	OU2SG-20 9/22/2009	OU2SG21 3/19/2009	OU2SG-21 6/16/2009	OU2SG-21 9/22/2009	OU2SG22 3/27/2008	OU2SG22 6/19/2008	OU2SG22 9/23/2008	OU2SG22 12/30/2008	OU2SG-22a 1/20/2009
BTEX (ug/m3)																	
Benzene	1.1	1.3	0.56 J	0.34 J	0.64 U	0.72	0.87	0.26 J	1.6 U	0.64 U	0.64 U	1.6 U	1.0	0.64 UJ	0.83	0.64 U	0.72
Toluene	0.45 J	0.49 J	0.75 J	0.54 J	1.5	1.4	4.5	1.2	1.9 U	0.46 J	4.6	2.5	1.7	4.1	620	1.4	190
Ethylbenzene	0.48 J	0.43 J	0.28 J	0.87 U	0.87 U	0.87 U	0.69 J	0.87 U	2.2 U	0.87 U	0.34 J	0.54 J	0.42 J	0.22 J	8.6	0.87 U	2.2
Xylene, m,p-	0.69 J	0.69 J	1.1 J	1.7 U	0.43 J	1.7 U	1.7 J	1.7 U	4.3 U	0.28 J	0.81 J	1.7 J	1.4 J	0.65 J	32	0.86 J	7.6
Xylene, o-	0.82 J	0.56 J	0.45 J	0.87 U	0.87 U	0.87 U	0.78 J	0.87 U	2.2 U	0.87 U	0.35 J	2.2 U	0.54 J	0.26 J	14	0.30 J	2.6
Other VOCs (ug/m3)																	
Acetaldehyde	3.6 UJ	3.6 UJ	4.5 UJ	4.5 UJ	4.5 UJ	6.0 U	15 J	15	4.7 U	1.8 U	10 J	4.5 U	4.5 U	6.0	1.8 UJ	3.6 J	1.8 UJ
Acetone	1.8 UJ	1.8 UJ	3.7 J	1.8 UJ	2.6 U	2.7 U	12 J	20	3.1 U	2.4 U	6.3 U	3.3 U	4.9 U	3.5	0.47 UJ	3.4 U	32
Acrolein (propenal)	0.46 U	0.46 U	0.46 U	0.46 U	1.2 U	0.45 J	3.5	1.2 U	2.9 U	0.46 U	2.8 J	2.9 U	1.2 U	0.23 J	0.46 U	0.46 U	0.46 U
Allyl chloride	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	1.6 U	0.63 U	0.63 U	1.6 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
Benzothiophene	14 UJ	14 UJ	14 U	14 UJ	1.1 U	1.1 U	1.1 UJ	1.1 UJ	2.7 U	1.1 U	1.1 U	2.7 U	1.1 U	1.1 UJ	1.1 U	1.1 UJ	1.1 U
Bromodichloromethane	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	3.4 U	1.3 U	1.3 U	3.4 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 UJ	2.1 U	2.1 U	5.2 U	2.1 U	2.1 U	5.2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	1.9 U	0.78 U	0.78 U	1.9 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
Butadiene, 1,3-	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	1.1 U	0.44 U	0.44 U	1.1 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Butane	7.0	4.7	2.8	6.6	1.4	1.7	2.1	0.76	1.2 U	0.19 J	0.32 J	1.2 U	0.50	0.48 U	4.2	0.48 U	0.53
Butanone, 2-	0.38 J	0.32 J	0.52 J	0.59 U	0.59 U	0.43 J	2.4	0.71	1.5 U	0.59 U	1.7	1.5 U	0.73 J	0.85	0.50 J	0.59 U	4.3
Carbon disulfide	0.72 U	1.5 U	2.7	4.6	13	30	40 J	9.0	1.6 U	0.62 U	6.4	1.6 U	0.36 J	0.84 U	16	0.18 J	3.0
Carbon tetrachloride	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	3.1 U	1.3 U	1.3 U	3.1 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Chlorobenzene	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	2.3 U	0.92 U	0.92 U	2.3 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Chloroethane	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	1.3 U	0.53 U	0.53 U	1.3 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U
Chloroform	42	25	15	14	7.8	8.4	6.9	6.8	3.0	2.3	1.1	2.2 J	1.0	18	18	2.1	1.2
Chloromethane	0.25 J	0.23 J	0.21 J	0.67	0.41 U	0.16 J	0.43	0.17 J	1.0 U	0.41 U	0.16 J	1.0 U	0.44	0.25 J	0.41 U	0.17 J	0.41 U
Chlorotoluene, 2-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.6 U	1.0 U	1.0 U	2.6 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cryofluorane	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	3.5 U	1.4 U	1.4 U	3.5 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Cyclohexane	0.58 J	0.34 J	0.31 J	0.23 J	0.69 U	0.69 U	0.23 J	0.69 U	1.7 U	0.69 U	0.69 U	1.7 U	0.69 U	0.69 U	84	0.69 U	18
Decane, n-	1.2 U	1.2 U	1.2 U	1.2 UJ	1.2 UJ	0.65 J	5.6	1.2 U	2.9 U	1.2 U	2.7	2.9 U	3.0	11	1.3	1.2	2.4
Dibromochloromethane	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	4.3 U	1.7 U	1.7 U	4.3 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dibromoethane, 1,2-	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.8 U	1.5 U	1.5 U	3.8 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Dichlorobenzene, 1,2-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	3.0 U	1.2 U	1.2 U	3.0 U	1.2 U	1.2 U	0.60 J	1.2 U	1.2 U
Dichlorobenzene, 1,3-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	3.0 U	1.2 U	0.82 J	3.0 U	0.74 J	1.3	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,4-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	3.0 U	1.2 U	0.70 J	3.0 U	1.2 U	1.2 U	2.0	1.2 U	1.2 U
Dichlorodifluoromethane	4.7	5.3	4.4	5.6	1.7	2.4	7.1	6.9	4.7	3.1	2.3	5.4	2.0	2.5	2.5	2.5	2.9
Dichloroethane, 1,1-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	2.0 U	0.81 U	0.81 U	2.0 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethane, 1,2-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	2.0 U	0.81 U	0.81 U	2.0 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethene, 1,1-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	2.0 U	0.79 U	0.79 U	2.0 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloroethene, cis-1,2-	0.67 J	1.2	1.1	1.3	0.52 J	0.41 J	0.79 U	0.79 U	2.0 U	0.32 J	0.79 U	2.0 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloropropane, 1,2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	2.3 U	0.92 U	0.92 U	2.3 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Dichloropropene, cis-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	2.3 U	0.91 U	0.91 U	2.3 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dichloropropene, trans-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	2.3 U	0.91 U	0.91 U	2.3 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dioxane, 1,4-	0.72 U	0.72 U	0.72 U	0.72 U	0.72 UJ	0.72 UJ	0.72 U	0.72 U	1.8 U	0.72 U	0.72 UJ	1.8 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Dodecane, n-	1.4 UJ	1.4 UJ	1.9 J	1.4 UJ	1.2 J	0.94 J	5.4	0.63 J	3.5 U	0.68 J	5.6	1.2 J	1.8	11 J	3.2	1.8 J	0.79 J
Ethanol	1.7 J	0.56 J	0.78 J	55	1.9 U	2.1 U	6.1	1.5 J	4.7 U	2.9	6.0	2.2 J	9.0	2.7	1.4 J	7.6	23
Ethylthiophene, 2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	2.3 U	0.92 U	0.92 U	2.3 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG-20 4/6/2009	OU2SG-20 4/10/2009	OU2SG-20 4/17/2009	OU2SG-20 4/24/2009	OU2SG-20 5/13/2009	OU2SG-20 6/16/2009	OU2SG-20 7/13/2009	OU2SG-20 8/10/2009	OU2SG-20 9/22/2009	OU2SG21 3/19/2009	OU2SG-21 6/16/2009	OU2SG-21 9/22/2009	OU2SG22 3/27/2008	OU2SG22 6/19/2008	OU2SG22 9/23/2008	OU2SG22 12/30/2008	OU2SG-22a 1/20/2009
Ethyltoluene, p-	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.38 J	0.98 U	2.5 U	0.98 U	0.98 U	2.5 U	0.98 U	0.29 J	0.88 J	0.98 U	0.45 J
Heptane, n-	0.45 J	0.20 J	0.32 J	0.82 U	0.82 U	0.82 U	0.42 J	0.82 U	2.0 U	0.82 U	0.82 U	2.0 U	0.46 J	0.82 U	0.74 J	0.82 U	1.1
Hexachlorobutadiene	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	5.3 U	2.1 U	2.1 U	5.3 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 UJ
Hexane, n-	0.67 J	0.70 U	0.70 U	0.21 J	0.18 J	0.70 U	0.74	0.70 U	1.8 U	0.70 U	0.21 J	1.8 U	0.28 J	0.70 UJ	14	0.70 U	2.0
Hexanone, 2-	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	2.0 U	0.82 U	0.27 J	2.0 U	0.82 U	0.45 J	0.82 U	0.82 U	0.82 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	2.4	0.92 J	0.97 U	0.97 U	0.97 U	0.97 UJ	0.30 J	0.97 U	2.4 U	0.97 U	0.29 J	2.4 U	0.97 U	0.97 U	0.63 J	0.97 U	0.32 J
Indene	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 UJ	0.95 U	0.95 U	2.4 U	0.95 U	0.95 U	2.4 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	1.8 U	0.72 U	0.72 U	1.8 U	0.72 U	0.72 UJ	0.72 U	0.72 U	0.72 U
Methyl-2-pentanone, 4-	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	2.0 U	0.82 U	0.36 J	2.0 U	0.82 U	0.82 U	0.82 U	0.77 J	0.82 U
Methylene chloride	1.7 U	1.7 U	1.7 U	1.8 U	0.52 J	1.7 U	1.7 UJ	0.87 J	4.3 U	1.7 U	1.7 U	4.3 U	0.28 J	1.7 U	0.69 U	1.7 U	0.69 U
Methylnaphthalene, 1-	5.8 U	5.8 U	14 U	14 UJ	1.2 U	1.2 U	0.83 J	1.2 U	2.9 U	1.2 U	1.2 U	2.9 U	1.2 U	2.9 UJ	0.29 J	R	5.8 UJ
Methylnaphthalene, 2-	5.8 U	5.8 U	14 U	14 UJ	1.2 U	1.2 U	1.5 J	1.2 U	2.9 U	1.2 U	0.41 J	2.9 U	1.2 U	2.9 UJ	0.58 J	14 UJ	5.8 U
Methylthiophene, 2-	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	2.0 U	0.80 U	0.80 U	2.0 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Methylthiophene, 3-	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	2.0 U	0.80 U	0.80 U	2.0 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Naphthalene	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	0.40 J	1.1	1.0 U	2.6 U	1.0 U	0.85 J	2.6 U	1.0 U	0.42 J	1.9	1.0 UJ	0.30 J
Nonane	1.0 U	1.0 U	0.31 J	1.0 U	1.0 U	1.0 U	0.48 J	1.0 U	2.6 U	1.0 U	0.52 J	2.6 U	0.30 J	1.0 U	0.31 J	1.0 U	2.8
Octane, n-	0.28 J	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	1.1	0.93 U	2.3 U	0.93 U	0.64 J	2.3 U	3.2	11	0.42 J	0.93 U	2.4
Pentane	2.8	1.9	1.1	1.8	0.50 J	0.56 J	2.2	0.27 J	1.5 U	0.59 U	1.1	1.5 U	0.51 J	0.59 U	0.56 J	0.59 U	0.59 J
Propanol, 2-	0.49 U	0.49 UJ	0.49 U	3.5	1.2 U	1.7 U	1.2 J	0.88 U	3.0 U	1.2 U	1.9 U	3.0 U	1.6	0.59 J	0.49 U	1.1 J	3.7
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.61 J	0.85 U	2.1 U	0.85 U	3.0	2.1 U	0.85 U	0.30 J	3.6	0.85 U	0.85 U
t-Butyl alcohol	0.21 J	0.15 J	0.61 U	0.61 U	0.21 J	0.61 U	0.32 J	0.61 U	1.5 U	0.15 J	0.58 J	1.5 U	0.39 J	0.61 U	0.61 U	0.61 U	0.61 U
Tetrachloroethane, 1,1,2,2-	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	3.4 U	1.4 U	1.4 U	3.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Tetrachloroethene	0.95 J	1.2 J	0.92 J	1.2 J	2.2	4.3	3.7	3.9	2.2 J	1.4 U	0.49 J	3.4 U	1.4	5.4	14	1.0 J	1.8
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	190 J	110 J	11 J	4.8 J	0.49 J	0.47 J	0.69 J	1.1 UJ	2.7 UJ	1.1 U	0.29 J	2.7 UJ	1.1 U	0.66 J	3.0	1.1 U	0.57 J
Thiophene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	1.7 U	0.69 U	0.69 U	1.7 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Trans-1,2-dichloroethene	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	2.0 U	0.79 U	0.79 U	2.0 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	0.84 J	0.84 J	0.81 J	1.0 J	0.77 J	0.68 J	0.57 J	0.46 J	3.8 U	0.49 J	0.78 J	3.8 U	1.5 U	0.61 J	0.54 J	0.70 J	0.60 J
Trichlorobenzene, 1,2,4-	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.7 U	1.5 U	1.5 U	3.7 U	1.5 U	1.5 U	1.5 U	1.5 UJ	1.5 U
Trichloroethane, 1,1,1-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	0.37 J	0.42 J	0.33 J	2.7 U	0.41 J	1.4	2.9	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethane, 1,1,2-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.7 U	1.1 U	1.1 U	2.7 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethene	1.1 U	0.43 J	0.84 J	0.72 J	0.81 J	0.70 J	0.64 J	0.48 J	2.7 U	0.38 J	1.1 U	2.7 U	1.1 U	1.1 U	1.1 U	0.37 J	1.1 U
Trichlorofluoromethane	8.5	8.4	7.6	10	6.3	9.5	7.7	6.0	3.6	2.8	6.9	7.4	1.1 J	1.4	1.2	2.4	1.8
Trimethylbenzene, 1,2,3-	22	11	0.56 J	0.98 U	0.98 U	0.98 U	0.50 J	0.98 U	2.5 U	0.98 U	0.42 J	2.5 U	0.72 J	0.74 J	1.2	0.31 J	0.48 J
Trimethylbenzene, 1,2,4-	0.98 U	0.98 U	0.30 J	0.98 U	0.98 U	0.31 J	0.86 J	0.98 U	2.5 U	0.98 U	0.92 J	2.5 U	0.98 U	0.98 U	3.3	0.98 U	1.2
Trimethylbenzene, 1,3,5-	30	12	0.43 J	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	2.5 U	0.98 U	0.98 U	2.5 U	0.36 J	0.49 J	0.98	0.98 U	0.61 J
Trimethylpentane, 2,2,4-	2.4 J	2.5 J	3.9	4.7	0.79 J	0.93 U	0.93 U	0.93 U	2.3 U	0.93 U	0.93 U	2.3 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U
Undecane, n-	1.3 UJ	1.3 UJ	1.3 UJ	1.3 UJ	1.3 U	1.3 U	1.1 J	1.3 U	3.2 U	0.34 J	2.3	3.2 U	1.0 J	1.2 J	1.3 UJ	1.3 U	1.2 J
Vinyl bromide	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	2.2 U	0.87 U	0.87 U	2.2 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl chloride	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	1.3 U	0.51 U	0.51 U	1.3 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Other (%)																	
Carbon Dioxide	8.73	5.42	5.24	6.07	5.4	5.9	5.1	4.09	2.48	NA	NA	2.75	NA	NA	NA	NA	NA
Helium	0.0164	0.0182	0.0189	0.0186	0.0217 U	0.0194	0.0201 U	0.0263 U	0.0166 U	0.025	0.0199	0.0176 U	NA	0.0185 U	0.0182 U	0.0171	0.0161

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG-22p 1/20/2009	OU2SG-22a 1/21/2009	OU2SG-22p 1/21/2009	OU2SG-22 1/22/2009	OU2SG-22 1/23/2009	OU2SG-22 1/25/2009	OU2SG-22 1/26/2009	OU2SG-22 1/30/2009	OU2SG-22 2/5/2009	OU2SG-22 2/13/2009	OU2SG-22 2/23/2009	OU2SG-22 3/25/2009	OU2SG-22 4/14/2009	OU2SG-22 5/11/2009	OU2SG-22 6/16/2009	OU2SG-22 7/30/2009
BTEX (ug/m3)																
Benzene	0.49 J	0.64 U	0.64 U	0.64 U	0.26 J	0.43 J	0.72	1.6	1.6	2.1 J	0.86 J	0.53 J	0.56 J	0.98	1.2 U	2.5 J
Toluene	30	0.69 J	0.52 J	5.1	7.2	13	14	21	43	64 J	44	140	180	250	260	710 J
Ethylbenzene	1	0.87 U	0.87 U	0.87 U	0.22 J	0.24 J	0.26 J	0.66 J	1.0	2.8	4.3 U	2.3 J	3.2	3.8	5.0	16 J
Xylene, m,p-	3.6	0.33 J	0.35 J	0.54 J	0.70 J	0.90 J	0.84 J	1.7 J	2.5	5.6	3.2 J	8.5	12	9.4	17	52 J
Xylene, o-	1.5	0.87 U	0.87 U	0.87 U	0.27 J	0.34 J	0.31 J	0.60 J	1.1	3.0	1.2 J	3.3	5.0	3.4	7.2	25 J
Other VOCs (ug/m3)																
Acetaldehyde	1.8 UJ	3.7 U	1.8 UJ	1.8 UJ	2.1 J	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ	4.5 UJ	9.0 UJ	1.8 UJ	3.6 UJ	4.5 UJ	5.1 U	22 J
Acetone	14	2.6 U	1.6 U	2.9 U	3.4 U	7.6	14	1.2 U	1.2 UJ	1.2 UJ	5.9 UJ	1.8 UJ	1.8 UJ	1.8 UJ	5.2 U	7.0 J
Acrolein (propenal)	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	2.3 U	0.46 U	0.46 U	1.2 U	0.32 J	0.50 J
Allyl chloride	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	3.1 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
Benzothiophene	1.1 U	1.1 U	1.1 U	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 U	1.1 U	14 U	2.7 U	14 UJ	1.1 U	1.3	1.1 UJ
Bromodichloromethane	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	6.7 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	10 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	3.9 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
Butadiene, 1,3-	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 UJ	2.2 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Butane	1.7	0.48 U	0.48 U	0.48 U	0.48 U	1.9	3.9	24	18	25	20 J	8.1	12	27	0.75	0.52 J
Butanone, 2-	2.8	0.97	0.59 U	0.59 U	0.59 U	0.83	0.80	1.3	1.7	2.2	3.0 U	0.59 U	0.59 U	0.38 J	0.47 J	1.1 J
Carbon disulfide	0.62 U	0.62 U	0.62 U	0.62 U	2.0	0.68 U	0.62 U	0.99	0.65	0.87 J	1.3 J	1.5	2.8	6.0	7.4	16 J
Carbon tetrachloride	0.56 J	2.0	2.4	2.3	4.5	4.5	3.6	2.6	1.7	1.6	6.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Chlorobenzene	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	4.6 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Chloroethane	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	2.6 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U
Chloroform	1.1	1.3	1.5	1.3	1.5	1.4	1.3	1.3	1.2	2.0	1.4 J	1.6	2.0	3.1	8.4	9.8 J
Chloromethane	0.28 J	0.25 J	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	2.1 U	0.41 U	0.41 U	0.41 U	0.41 U	0.43 J
Chlorotoluene, 2-	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.2 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cryofluorane	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	7.0 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Cyclohexane	3.8	0.90	0.78	0.72	2.2	3.3	5.8	30	28	48	44	40	45	64	28	100 J
Decane, n-	5.1	0.58 J	0.72 J	0.55 J	1.3	0.48 J	0.42 J	0.63 J	0.74 J	2.8	5.8 U	2.4	3.5	1.2 U	2.4	4.8 J
Dibromochloromethane	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	8.5 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dibromoethane, 1,2-	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	7.7 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Dichlorobenzene, 1,2-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	6.0 U	1.2 U	1.2 U	1.2 U	0.41 J	1.2 J
Dichlorobenzene, 1,3-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	6.0 U	1.2 U	1.2 U	1.2 U	1.2 U	0.54 J
Dichlorobenzene, 1,4-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	6.0 U	1.2 U	0.51 J	1.2 U	1.2	3.8 J
Dichlorodifluoromethane	2.9	2.4	2.4	2.2	1.7	1.7	1.5	1.2	1.0	1.1	4.9 U	1.5	0.95 J	1.0	0.98 J	0.74 J
Dichloroethane, 1,1-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	4.0 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethane, 1,2-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	4.0 U	0.81 UJ	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethene, 1,1-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	4.0 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloroethene, cis-1,2-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	4.0 U	0.79 U	0.79 U	1.8	0.79 U	0.79 U
Dichloropropane, 1,2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	4.6 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Dichloropropene, cis-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	4.5 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dichloropropene, trans-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	4.5 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dioxane, 1,4-	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	3.6 U	0.72 U	0.72 U	0.72 U	0.72 UJ	0.72 U
Dodecane, n-	3.2	1.4 U	1.7	1.4 U	2.7	0.76 J	0.61 J	0.47 J	0.46 J	1.4 J	17 U	0.65 J	1.4 J	1.4 U	0.60 J	2.5 J
Ethanol	12	3.8	3.0	3.6	2.2	2.4	3.8	4.2	8.2	9.2	24 UJ	3.0 J	3.1	5.1	3.7 U	4.0 J
Ethylthiophene, 2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	4.6 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG-22p 1/20/2009	OU2SG-22a 1/21/2009	OU2SG-22p 1/21/2009	OU2SG-22 1/22/2009	OU2SG-22 1/23/2009	OU2SG-22 1/25/2009	OU2SG-22 1/26/2009	OU2SG-22 1/30/2009	OU2SG-22 2/5/2009	OU2SG-22 2/13/2009	OU2SG-22 2/23/2009	OU2SG-22 3/25/2009	OU2SG-22 4/14/2009	OU2SG-22 5/11/2009	OU2SG-22 6/16/2009	OU2SG-22 7/30/2009
Ethyltoluene, p-	0.3 J	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.54 J	4.9 U	0.56 J	1.1	0.37 J	1.8	5.8 J
Heptane, n-	0.65 J	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	18	5.5	5.0 J	4.1 U	2.7	0.67 J	0.74 J	0.43 J	1.4 J
Hexachlorobutadiene	2.1 UJ	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	11 U	2.1 UJ	2.1 U	2.1 U	2.1 U	2.1 U
Hexane, n-	0.84	0.70 U	0.70 U	0.70 U	0.33 J	0.99 J	4.0 J	41	21	24 J	11	3.3	4.0	2.5	7.4 J	
Hexanone, 2-	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	10 U	2.0 U	0.82 U	0.82 U	0.82 U	0.82 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indane	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.36 J	4.8 U	0.43 J	0.89 J	0.29 J	12	35 J
Indene	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	4.8 U	0.95 U	0.95 U	0.95 U	0.95 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	3.6 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Methyl-2-pentanone, 4-	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	4.1 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Methylene chloride	0.86 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	3.4 U	1.7 U	1.7 U	9.1	1.7 U	0.52 J
Methylnaphthalene, 1-	5.8 UJ	5.8 U	5.8 U	5.8 U	0.54 J	5.8 UJ	5.8 UJ	5.8 U	1.2 U	1.2 UJ	14 U	2.9 U	5.8 U	1.2 U	2.8 J	3.8 J
Methylnaphthalene, 2-	5.8 U	5.8 U	5.8 U	5.8 U	1.4 J	5.8 U	5.8 U	5.8 UJ	1.2 U	1.2 U	14 U	2.9 U	5.8 U	0.37 J	5.7	8.2 J
Methylthiophene, 2-	0.8 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Methylthiophene, 3-	0.8 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Naphthalene	1 U	1.0 U	1.0 U	1.0 U	0.59 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.2 U	1.0 U	1.0 UJ	1.0 U	32	53 J
Nonane	1.5	1.0 U	1.0 U	1.0 U	0.32 J	1.0 U	1.0 U	1.0 U	1.0 U	2.4	5.2 U	2.8	3.8	0.80 J	2.3	2.2 J
Octane, n-	0.84 J	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	4.7 U	1.2	1.6	1.1	0.95	0.98 J
Pentane	2.5	0.59 U	0.59 U	0.59 U	0.59 U	3.9	9.3	48	22	31	18	6.1	10	18	0.82	0.86 J
Propanol, 2-	2.6	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 UJ	0.49 UJ	0.49 UJ	6.1 UJ	1.2 U	0.62	1.2 U	1.2 U	1.2 U
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.23 J	0.28 J	1.3	4.3 U	1.2	1.9	1.1	2.6	11 J
t-Butyl alcohol	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	1.5 U	3.0 U	0.61 U	0.61 U	0.39 J	0.48 J	0.61 U
Tetrachloroethane, 1,1,2,2-	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	6.9 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Tetrachloroethene	0.79 J	0.56 J	0.77 J	0.60 J	0.75 J	0.79 J	0.76 J	0.91 J	1.2 J	2.5	6.8 U	2.2	2.8	4.5	5.3	11 J
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	1.1 U	1.1 U	1.1 U	1.1 U	1.6 J	1.1 U	1.1 U	1.1 U	1.1 U	0.54 J	14 UJ	0.55 J	2.5 J	0.67 J	7.0 J	26 J
Thiophene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	3.4 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Trans-1,2-dichloroethene	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	4.0 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	0.49 J	1.5 U	0.41 J	0.46 J	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	7.7 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Trichlorobenzene, 1,2,4-	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	7.4 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Trichloroethane, 1,1,1-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	5.4 U	0.48 J	0.57 J	0.92 J	0.31 J	1.1 U
Trichloroethane, 1,1,2-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	5.4 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethene	0.78 J	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	5.4 U	1.1 U	1.1 U	0.96 J	1.1 U	1.1 U
Trichlorofluoromethane	1.6	1.6	1.5	1.4	1.1 J	1.1 J	0.97 J	0.77 J	0.70 J	0.92 J	5.6 U	0.78 J	0.67 J	2.9	2.7	3.5 J
Trimethylbenzene, 1,2,3-	0.35 J	0.98 U	0.98 U	0.98 U	0.37 J	0.98 U	0.98 U	0.98 U	0.98 U	0.71 J	4.9 U	0.80 J	1.8	0.27 J	5.3	18 J
Trimethylbenzene, 1,2,4-	1	0.98 U	0.98 U	0.98 U	0.73 J	0.98 U	0.98 U	0.34 J	0.51 J	2.2	4.9 U	2.2	4.2	0.62 J	7.3	23 J
Trimethylbenzene, 1,3,5-	0.39 J	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.72 J	4.9 U	0.75 J	1.4	0.33 J	2.1	6.9 J
Trimethylpentane, 2,2,4-	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	4.7 UJ	0.93 U	0.93 UJ	0.93 U	0.93 U	0.93 U
Undecane, n-	8.9	1.3 U	1.2 J	0.45 J	2.9	0.38 J	1.0 J	1.3 U	1.3 U	0.92 J	6.4 U	0.66 J	1.4	1.3 U	0.92 J	4.9 J
Vinyl bromide	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	4.4 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl chloride	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	2.6 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Other (%)																
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.28	2.66	2.23	3.52
Helium	0.0161	0.016	0.022	0.016	0.0163	0.0152	0.0176	0.0172	0.0158	0.0184	0.0218	0.026	0.0221	0.0164 U	0.0204	0.018 U

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG-22 8/26/2009	OU2SG-22 9/23/2009	OU2SG23 3/27/2008	OU2SG23 6/19/2008	Duplicate of OU2SG23 6/19/2008	OU2SG-23 9/23/2009	OU2SG24 4/3/2008	OU2SG24 6/25/2008	Duplicate of OU2SG24 6/25/2008	OU2SG24 8/13/2008	OU2SG24a 9/24/2008	OU2SG24 9/24/2008	OU2SG24 12/30/2008	OU2SG-24A 2/16/2009	OU2SG-24P 2/16/2009	OU2SG-24A 2/17/2009
BTEX (ug/m3)																
Benzene	1.6 J	1.6 U	0.38 J	0.64 UJ	0.64 UJ	1.3 U	0.21 J	0.19 J	0.64 UJ	0.16 J	0.64 U	0.64 U	0.16 J	0.40 J	0.18 J	0.64 U
Toluene	370	39	1.4	4.2	4.2	0.75 J	1.6	24	22	0.64 J	0.38 J	0.26 J	0.55 J	1.2 J	0.52 J	0.61 J
Ethylbenzene	9.1	4.2	0.38 J	0.87 U	0.87 U	1.7 U	0.26 J	0.26 J	0.39 J	0.87 U	0.87 U	0.87 U	0.87 U	0.25 J	0.87 U	0.87 U
Xylene, m,p-	27	13	1.3 J	0.35 J	0.43 J	3.5 U	0.64 J	0.69 J	1.0 J	0.35 J	0.30 J	1.7 U	0.33 J	0.92 J	0.52 J	0.49 J
Xylene, o-	14	6.7	0.49 J	0.87 U	0.87 U	1.7 U	0.32 J	0.3 J	0.48 J	0.87 U	0.87 U	0.87 U	0.87 U	0.37 J	0.31 J	0.25 J
Other VOCs (ug/m3)																
Acetaldehyde	22 U	8.2 U	4.5 U	7.6 J	5.3 J	6.7 J	4.5 U	15	12	22 J	1.8 UJ	5.7 J	4.4 J	3.4 U	4.5 U	1.8 UJ
Acetone	13 UJ	3.6 U	7.7 J	2.8 J	4.8 J	4.8 U	1.9 U	4.8 U	6.2	7.0 J	3.4 J	2.5	1.9 U	3.2 U	2.0 U	1.2 UJ
Acrolein (propenal)	5.7 U	2.9 U	1.2 U	0.18 J	0.18 J	2.3 U	1.2 U	0.39 J	0.34 J	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U
Allyl chloride	3.1 U	1.6 U	0.63 U	0.63 U	0.63 U	1.2 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
Benzothiophene	5.5 UJ	2.7 U	1.1 U	1.1 UJ	1.1 UJ	2.2 U	1.1 UJ	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 UJ	1.1 U	1.1 U	2.7 UJ
Bromodichloromethane	6.7 U	3.4 U	1.3 U	1.3 U	1.3 U	2.7 U	1.3 U	1.3 U	1.3 U	0.94 J	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	10 U	5.2 U	2.1 U	2.1 U	2.1 U	4.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	3.9 U	1.9 U	0.78 U	0.78 U	0.78 U	1.6 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
Butadiene, 1,3-	2.2 U	1.1 U	0.44 U	0.44 U	0.44 U	0.88 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 UJ	0.44 UJ	0.44 U
Butane	0.95 J	1.2 U	0.48 U	0.48 U	0.14 J	0.95 U	0.18 J	0.48 U	0.48 U	0.74	2.5	0.48 U	0.48 U	0.75	0.48 U	1.0
Butanone, 2-	3.0 U	1.5 U	14	0.44 J	0.59	0.83 J	0.66 J	0.88	1.0	1.7	1.1	0.93	0.59 U	0.77	0.59 U	0.34 J
Carbon disulfide	13	5.4	0.38 J	0.62 U	0.81 U	1.2 U	0.51 J	1.1 U	0.75 U	0.44 U	0.25 J	0.18 J	0.62 U	0.62 U	0.62 U	0.62 U
Carbon tetrachloride	6.3 U	3.1 U	1.3 U	1.3 U	1.3 U	2.5 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Chlorobenzene	4.6 U	2.3 U	0.92 U	0.92 U	0.92 U	1.8 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Chloroethane	2.6 U	1.3 U	0.53 U	0.53 U	0.53 U	1.0 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U
Chloroform	4.6 J	7.1	0.34 J	1.4	2.2	2.3	0.36 J	2.4	2.3	6.7	7.5	6.9	1.5	0.88 J	0.82 J	0.98 U
Chloromethane	2.1 U	1.0 U	0.41 U	0.12 J	0.27 J	0.83 U	0.14 J	0.21 J	0.14 J	0.52	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.14 J
Chlorotoluene, 2-	5.2 U	2.6 U	1.0 U	1.0 U	1.0 U	2.1 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cryofluorane	7.0 U	3.5 U	1.4 U	1.4 U	1.4 U	2.8 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Cyclohexane	55	11	0.69 U	0.34 J	0.28 J	1.4 U	0.28 J	1.1	1.1	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.24 J
Decane, n-	5.8 U	1.0 J	2.0	7.6	7.3	2.3 U	1.7	4.9	4.3	18	18	16	1.2	1.9	2.8	1.4
Dibromochloromethane	8.5 U	4.3 U	1.7 U	1.7 U	1.7 U	3.4 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dibromoethane, 1,2-	7.7 U	3.8 U	1.5 U	1.5 U	1.5 U	3.1 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Dichlorobenzene, 1,2-	6.0 U	3.0 U	1.2 U	1.2 U	1.2 U	2.4 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,3-	6.0 U	3.0 U	0.48 J	1.2 U	1.2 U	2.4 U	0.59 J	1.3	1.0 J	1.1 J	0.43 J	0.31 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,4-	2.1 J	1.4 J	1.2 U	1.2 U	1.2 U	2.4 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorodifluoromethane	4.9 U	0.86 J	2.1	2.5	3.3	2.7	2.3	2.5	2.5	2.7	3.0	2.8	3.1	2.4	2.4	2.3
Dichloroethane, 1,1-	4.0 U	2.0 U	0.81 U	0.81 U	0.81 U	1.6 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethane, 1,2-	4.0 U	2.0 U	0.81 U	0.81 U	0.81 U	1.6 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethene, 1,1-	4.0 U	2.0 U	0.79 U	0.79 U	0.79 U	1.6 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloroethene, cis-1,2-	4.0 U	2.0 U	0.79 U	0.79 U	0.79 U	1.6 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloropropane, 1,2-	4.6 U	2.3 U	0.92 U	0.92 U	0.92 U	1.8 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Dichloropropene, cis-1,3	4.5 U	2.3 U	0.91 U	0.91 U	0.91 U	1.8 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dichloropropene, trans-1,3	4.5 U	2.3 U	0.91 U	0.91 U	0.91 U	1.8 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dioxane, 1,4-	3.6 U	1.8 U	0.72 U	0.72 U	0.72 U	1.4 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Dodecane, n-	1.7 J	1.2 J	2.9	26 J	24 J	0.84 J	1.0 J	11 J	10 J	8.7	6.6	7.4	1.4 J	1.7 J	9.5 J	0.56 J
Ethanol	9.4 UJ	1.2 J	4.6 J	1.4 J	1.8 J	3.8 U	6.2	4.8	4.0	11	5.9	3.8	6.0	5.3	6.4	0.93 J
Ethylthiophene, 2-	4.6 U	2.3 U	0.92 U	0.92 U	0.92 U	1.8 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG-22 8/26/2009	OU2SG-22 9/23/2009	OU2SG23 3/27/2008	OU2SG23 6/19/2008	Duplicate of OU2SG23 6/19/2008	OU2SG-23 9/23/2009	OU2SG24 4/3/2008	OU2SG24 6/25/2008	Duplicate of OU2SG24 6/25/2008	OU2SG24 8/13/2008	OU2SG24a 9/24/2008	OU2SG24 9/24/2008	OU2SG24 12/30/2008	OU2SG-24A 2/16/2009	OU2SG-24P 2/16/2009	OU2SG-24A 2/17/2009
Ethyltoluene, p-	2.7 J	1.6 J	0.98 U	0.98 U	0.98 U	2.0 U	0.98 U	0.98 U	0.25 J	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Heptane, n-	4.1 U	2.0 U	0.82 U	0.82 U	0.82 U	1.6 U	0.82 UJ	0.82 U	0.82 U	0.57 J	0.82 U	0.82 U	0.82 U	0.82 UJ	0.82 UJ	0.82 U
Hexachlorobutadiene	11 U	5.3 U	2.1 U	2.1 U	2.1 U	4.3 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 UJ
Hexane, n-	4.2	1.8 U	0.45 J	0.28 J	0.42 J	1.4 U	0.78	2.8 J	2.2 J	0.70 U	0.70 U	0.70 U	0.70 U	0.70 UJ	0.70 UJ	0.70 U
Hexanone, 2-	4.1 U	2.0 U	1.1	0.82 U	0.82 U	1.6 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	2.0 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	16	9.8	0.97 U	0.97 U	0.97 U	1.9 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U
Indene	4.8 U	2.4 U	0.95 U	0.95 U	0.95 U	1.9 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	3.6 U	1.8 U	0.72 U	0.72 UJ	0.72 UJ	1.4 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Methyl-2-pentanone, 4-	4.1 UJ	2.0 U	1.6	0.82 U	0.82 U	0.74 J	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Methylene chloride	2.6 J	4.3 U	0.34 J	1.7 UJ	1.5 J	3.5 U	1.7 U	2.3 U	1.7 U	0.69 UJ	0.69 U	0.83 U	1.7 U	0.69 U	0.69 U	1.7 U
Methylnaphthalene, 1-	4.4 J	1.7 J	1.2 U	2.9 UJ	2.9 UJ	2.3 UJ	1.2 UJ	2.9 U	2.9 U	1.2 U	1.2 UJ	1.2 UJ	R	1.2 UJ	1.2 UJ	R
Methylnaphthalene, 2-	8.1 J	2.5 J	1.2 U	2.9 UJ	2.9 UJ	2.3 U	1.2 UJ	2.9 U	2.9 U	1.2 U	1.2 U	1.2 U	14 UJ	1.2 U	1.2 U	2.9 UJ
Methylthiophene, 2-	4.0 U	2.0 U	0.80 U	0.80 U	0.80 U	1.6 U	0.80 U	0.8 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Methylthiophene, 3-	4.0 U	2.0 U	0.80 U	0.80 U	0.80 U	1.6 U	0.80 U	0.8 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Naphthalene	19	3.1	1.0 U	0.37 J	0.26 J	2.1 U	1.0 U	0.31 J	0.42 J	0.31 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Nonane	5.2 U	2.6 U	1.0 U	1.0 U	1.0 U	2.1 U	1.0 U	1 U	1.0 U	0.42 J	0.32 J	1.0 U	0.29 J	0.62 J	0.49 J	0.95 J
Octane, n-	4.7 U	2.3 U	1.6	0.75 J	0.70 J	1.9 U	9.7	1.6	1.5	80	42	26	0.93 U	0.93 J	0.42 J	0.93 U
Pentane	3.0 U	1.5 U	0.20 J	0.59 U	0.59 U	1.2 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.90	0.59 U	0.30 J
Propanol, 2-	6.1 U	3.0 U	0.96 J	1.2 UJ	1.2 J	1.4 J	1.0 J	1.2 UJ	1.2 UJ	0.66 U	0.49 U	0.49 U	0.85 UJ	1.3 U	0.77 U	1.2 UJ
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	5.8	1.9 J	0.85 U	0.85 U	0.85 U	1.7 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U
t-Butyl alcohol	3.0 U	1.5 U	0.77	0.61 U	0.61 U	0.36 J	0.36 J	1	0.88	0.61 UJ	0.61 U	0.61 U	0.61 U	1.5 U	1.5 U	0.61 U
Tetrachloroethane, 1,1,2,2-	6.9 U	3.4 U	1.4 U	1.4 U	1.4 U	2.7 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Tetrachloroethene	8.1	4.9	0.88 J	1.4	2.2	2.7 U	3.3	4.1	3.5	1.0 J	1.6	1.4 J	0.39 J	1.4 U	1.4 U	1.4 U
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	9.0 J	11 J	0.45 J	0.27 J	1.1 U	2.2 U	1.1 U	1.1 U	1.1 U	0.33 J	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.7 U
Thiophene	3.4 U	1.7 U	0.69 U	0.69 U	0.69 U	1.4 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Trans-1,2-dichloroethene	4.0 U	2.0 U	0.79 U	0.79 U	0.79 U	1.6 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	7.7 U	3.8 U	0.48 J	0.54 J	0.69 J	3.1 U	0.71 J	0.54 J	0.46 J	0.61 J	0.66 J	0.64 J	0.80 J	0.63 J	0.66 J	1.5 U
Trichlorobenzene, 1,2,4-	7.4 U	3.7 U	1.5 U	1.5 U	1.5 U	3.0 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Trichloroethane, 1,1,1-	5.4 U	2.7 U	1.1 U	1.1 U	1.1 U	2.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethane, 1,1,2-	5.4 U	2.7 U	1.1 U	1.1 U	1.1 U	2.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethene	5.4 U	2.7 U	1.1 U	1.1 U	1.1 U	2.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichlorofluoromethane	3.4 J	1.5 J	1.0 J	1.3	1.6	1.6 J	1.3	1.5	1.5	1.5	1.6	1.6	1.9	1.4	1.4	1.4
Trimethylbenzene, 1,2,3-	7.6	5.6	0.98	0.49 J	0.44 J	2.0 U	0.38 J	0.49 J	0.44 J	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.32 J
Trimethylbenzene, 1,2,4-	9.1	6.8	0.32 J	0.98 U	0.98 U	2.0 U	0.98 U	0.98 U	0.98 U	0.34 J	0.32 J	0.27 J	0.98 U	0.30 J	0.42 J	0.46 J
Trimethylbenzene, 1,3,5-	3.4 J	2.1 J	0.38 J	0.29 J	0.29 J	2.0 U	0.98 U	0.98 U	0.44 J	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.31 J
Trimethylpentane, 2,2,4-	4.7 U	2.3 U	0.37 J	0.93 U	0.93 U	1.9 U	0.93 UJ	0.93 U	0.93 U	0.56 J	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	1.5
Undecane, n-	6.4 U	3.2 U	0.89 J	0.57 J	0.38 J	2.6 U	0.49 J	5.7	7.2	1.3 U	1.3 UJ	1.3 UJ	0.61 J	1.6	1.5	0.44 J
Vinyl bromide	4.4 U	2.2 U	0.87 U	0.87 U	0.87 U	1.8 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl chloride	2.6 U	1.3 U	0.51 U	0.51 U	0.51 U	1.0 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Other (%)																
Carbon Dioxide	2.42	2.04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	0.0162 U	0.0155 U	NA	0.0157 U	0.019 U	0.00364 U	NA	0.0174 U	0.0189 U	0.0145 U	0.0156 U	0.0157 U	0.101	0.316	0.017	0.0158

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name:	OU2SG-24P	OU2SG-24	OU2SG-24	OU2SG-24	OU2SG-24	OU2SG-24	OU2SG-24	OU2SG-24	OU2SG-24	OU2SG-24	OU2SG-24	OU2SG-24	OU2SG-24	OU2SG-24	OU2SG25	OU2SG25	Duplicate of OU2SG25	
Sample Date:	2/17/2009	2/18/2009	2/19/2009	2/20/2009	2/21/2009	2/27/2009	3/5/2009	3/13/2009	4/13/2009	5/22/2009	6/25/2009	7/23/2009	8/18/2009	9/22/2009	8/13/2008	9/24/2008	9/24/2008	
BTEX (ug/m3)																		
Benzene	0.64 U	0.33 J	0.20 J	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	1.6 U	9.9	1.8	2.1 J
Toluene	0.56 J	1.3	1.2	0.51 J	0.33 J	0.48 J	0.57 J	0.50 J	0.53 J	3.1	0.75 U	0.23 J	0.19 J	1.9 U	30	9.9	8.4	
Ethylbenzene	0.87 U	0.28 J	0.38 J	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.22 J	0.87 U	0.87 U	0.87 U	2.2 U	17 J	1.2	1.3 J	
Xylene, m,p-	0.50 J	0.74 J	1.2 J	0.43 J	0.48 J	0.68 J	0.50 J	0.76 J	0.56 J	1.6 J	1.7 U	1.7 U	1.7 U	4.3 U	13 J	2.8	2.7 J	
Xylene, o-	0.30 J	0.36 J	0.45 J	0.87 U	0.87 U	0.37 J	0.87 U	0.87 U	0.87 U	0.77 J	0.87 U	0.87 U	0.87 U	2.2 U	16	1.7	1.7 J	
Other VOCs (ug/m3)																		
Acetaldehyde	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ	3.6 U	4.5 UJ	4.5 U	3.3 J	11 J	5.2 U	18 U	1.8 UJ	9.0 UJ	
Acetone	1.8 U	1.2 UJ	5.0 U	3.7 U	4.2 U	1.2 UJ	5.7 U	4.6 J	1.8 U	8.1 U	2.1 U	2.5 U	16 J	4.7 U	4.8 UJ	0.47 UJ	2.4 U	
Acrolein (propenal)	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	1.2 UJ	1.2 UJ	1.2 U	1.2 U	2.9 U	4.6 U	0.22 J	2.3 U	
Allyl chloride	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	1.6 U	6.3 U	0.63 U	3.1 U	
Benzothiophene	2.7 UJ	2.7 UJ	2.7 UJ	2.7 U	2.7 U	2.7 U	2.7 U	1.1 U	2.7 UJ	14 UJ	1.1 U	1.1 U	1.1 UJ	2.7 U	11 U	1.1 U	5.5 U	
Bromodichloromethane	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	3.4 U	13 U	1.3 U	6.7 U	
Bromoform	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	5.2 U	21 U	2.1 U	10 U	
Bromomethane	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	1.9 U	7.8 U	0.78 U	3.9 U	
Butadiene, 1,3-	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	1.1 U	4.4 U	0.44 U	2.2 U	
Butane	0.98	1.8	2.6	0.91	0.70 J	1.0	1.4	0.76	0.48 U	2.1	0.53	0.48 U	0.48 U	1.2 U	2200	1100 J	1600 J	
Butanone, 2-	0.40 J	0.59 U	1.3	0.59 U	0.59 U	0.59 U	0.84	0.67	0.59 U	1.7	0.59 U	0.59 U	0.47 J	1.5 U	31	2.3	2.6 J	
Carbon disulfide	0.62 U	0.62 U	0.62 U	0.62 U	0.31 J	0.62 U	0.62 U	1.8	0.62 U	0.62 U	0.21 J	0.62 U	0.62 UJ	1.6 U	5.6 U	0.82	1.4 J	
Carbon tetrachloride	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	3.1 U	13 U	1.3 U	6.3 U	
Chlorobenzene	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	2.3 U	9.2 U	0.92 U	4.6 U	
Chloroethane	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	1.3 U	5.3 U	0.53 U	2.6 U	
Chloroform	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	1.4	0.98 U	7.1	6.2	4.9	3.4	9.8 U	0.98 U	4.9 U	
Chloromethane	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.11 J	0.14 J	0.10 J	0.15 J	0.41 U	0.12 J	0.41 U	1.0 U	4.1 U	0.41 U	2.1 U	
Chlorotoluene, 2-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.6 U	10 U	1.0 U	5.2 U	
Cryofluorane	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	3.5 U	14 U	1.4 U	7.0 U	
Cyclohexane	0.19 J	1.0	0.31 J	0.69 U	0.55 J	0.95	0.83	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	1.7 U	220	80	100	
Decane, n-	2.1	1.3	3.4	0.85 J	0.66 J	0.97 J	0.53 J	0.36 J	0.41 J	18	1.2 U	1.2 U	1.2 U	2.9 U	210	18	14	
Dibromochloromethane	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	4.3 U	17 U	1.7 U	8.5 U	
Dibromoethane, 1,2-	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.8 U	15 U	1.5 U	7.7 U	
Dichlorobenzene, 1,2-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	3.0 U	12 U	1.2 U	6.0 U	
Dichlorobenzene, 1,3-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	4.6	1.2 U	1.2 U	1.2 U	3.0 U	12 U	0.31 J	6.0 U	
Dichlorobenzene, 1,4-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.93 J	1.2 U	1.2 U	1.2 U	3.0 U	12 U	1.2 U	6.0 U	
Dichlorodifluoromethane	2.2	2.6	2.3	2.6	2.7	2.5	2.1	2.5	4.4	1.7	1.9	2.9	3.2	4.1	9.9 U	0.73 J	4.9 U	
Dichloroethane, 1,1-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	2.0 U	8.1 U	0.81 U	4.0 U	
Dichloroethane, 1,2-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	2.0 U	8.1 U	0.81 U	4.0 U	
Dichloroethane, 1,1-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	2.0 U	7.9 U	0.79 U	4.0 U	
Dichloroethene, cis-1,2-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	2.0 U	7.9 U	0.79 U	4.0 U	
Dichloropropane, 1,2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	2.3 U	9.2 U	0.92 U	4.6 U	
Dichloropropene, cis-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	2.3 U	9.1 U	0.91 U	4.5 U	
Dichloropropene, trans-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	2.3 U	9.1 U	0.91 U	4.5 U	
Dioxane, 1,4-	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 UJ	0.72 UJ	0.72 U	0.72 U	1.8 U	7.2 U	0.72 U	3.6 U	
Dodecane, n-	1.4 J	3.5 U	5.3 J	0.36 J	3.5 U	0.72 J	1.4 U	0.38 J	0.42 J	12	0.68 J	1.4 U	1.4 UJ	3.5 U	98	7.6 J	9.6	
Ethanol	1.2 J	0.85 J	3.8 J	1.5 J	1.7 J	0.77 J	1.8 J	0.86 J	0.79 J	46	3.3	1.2 J	1.9 U	4.7 U	23	4.3	6.9 J	
Ethylthiophene, 2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	2.3 U	9.2 U	0.92 U	4.6 U	

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG-24P 2/17/2009	OU2SG-24 2/18/2009	OU2SG-24 2/19/2009	OU2SG-24 2/20/2009	OU2SG-24 2/21/2009	OU2SG-24 2/27/2009	OU2SG-24 3/5/2009	OU2SG-24 3/13/2009	OU2SG-24 4/13/2009	OU2SG-24 5/22/2009	OU2SG-24 6/25/2009	OU2SG-24 7/23/2009	OU2SG-24 8/18/2009	OU2SG-24 9/22/2009	OU2SG25 8/13/2008	OU2SG25 9/24/2008	Duplicate of OU2SG25 9/24/2008
Ethyltoluene, p-	0.35 J	0.98 U	0.98 U	0.98 U	0.98 U	0.26 J	0.98 U	0.98 U	0.98 U	0.42 J	0.98 U	0.98 U	0.98 U	2.5 U	4.9 J	0.63 J	4.9 U
Heptane, n-	0.26 J	0.80 J	0.22 J	0.82 U	0.30 J	0.27 J	0.70 J	0.82 U	0.82 U	0.52 J	0.82 U	0.82 U	0.82 U	2.0 U	20	6.1	7.2
Hexachlorobutadiene	2.1 UJ	2.1 UJ	2.1 UJ	2.1 U	2.1 U	2.1 UJ	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	5.3 U	21 U	2.1 U	11 U
Hexane, n-	0.70 U	0.62 J	0.27 J	0.70 U	0.21 J	0.18 J	0.85	0.70 U	0.70 U	0.49 J	0.70 U	0.70 U	0.70 U	1.8 U	85	35	40
Hexanone, 2-	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.82 U	2.0 U	0.82 U	0.82 U	0.82 U	0.82 UJ	0.82 U	2.0 U	8.2 U	0.82 U	4.1 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.43 J	0.97 U	0.97 U	0.97 U	2.4 U	120	7.9	8.1
Indene	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	2.4 U	9.5 U	0.95 U	4.8 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	1.8 U	7.2 U	0.72 U	3.6 U
Methyl-2-pentanone, 4-	0.82 U	0.82 U	1.6	0.82 U	0.82 U	0.82 U	1.3 J	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	2.0 U	8.2 U	0.82 U	4.1 U
Methylene chloride	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	0.69 U	1.7 U	1.7 U	1.7	2.6 U	1.7 U	0.94 J	1.1 J	6.9 UJ	0.69 U	3.4 U
Methylnaphthalene, 1-	R	R	2.9 UJ	2.9 UJ	2.9 U	2.9 UJ	1.2 UJ	2.9 UJ	5.8 U	0.63 J	1.2 U	1.2 U	1.2 UJ	2.9 U	12 U	0.34 J	5.8 UJ
Methylnaphthalene, 2-	2.9 UJ	2.9 UJ	2.9 UJ	2.9 U	2.9 U	2.9 UJ	1.2 UJ	2.9 UJ	5.8 U	0.77 J	1.2 U	1.2 U	1.2 UJ	2.9 U	12 U	0.41 J	5.8 U
Methylthiophene, 2-	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	2.0 U	8.0 U	0.80 U	4.0 U
Methylthiophene, 3-	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	2.0 U	8.0 U	0.80 U	4.0 U
Naphthalene	0.34 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.3 U	1.0 U	0.37 J	1.0 U	2.6 U	3.7 J	0.85 J	5.2 U
Nonane	1.0 J	0.86 J	0.59 J	1.0 U	0.51 J	1.2	0.38 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.6 U	28	1.0 U	4.1 J
Octane, n-	0.29 J	1.4	0.99	0.44 J	1.1	0.93 U	0.59 J	0.93 U	0.93 U	50	0.93 U	0.93 U	0.93 U	2.3 U	210	24	27
Pentane	0.29 J	0.72	0.59 U	0.21 J	0.59 U	0.59 U	1.1	0.49 J	0.59 U	0.65	0.59 U	0.59 U	0.59 U	1.5 U	420	130 J	200 J
Propanol, 2-	1.2 U	1.2 UJ	1.2 J	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ	0.44 J	3.0 U	1.2 U	1.2 U	1.2 U	3.0 U	6.9 U	1.7 J	2.5 U
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.43 J	0.85 U	0.85 U	0.85 U	2.1 U	8.5 U	0.85 U	4.3 U
t-Butyl alcohol	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	1.5 U	0.61 U	0.61 U	0.31 J	0.61 U	0.61 U	0.61 U	1.5 U	6.1 UJ	0.61 U	3.0 U
Tetrachloroethane, 1,1,2,2-	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	3.4 U	14 U	1.4 U	6.9 U
Tetrachloroethene	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.34 J	0.83 J	1.7	1.8	1.5	1.4 J	14 U	0.66 J	6.8 U
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	0.65 J	0.32 J	2.7 U	2.7 U	2.7 UJ	2.7 UJ	1.1 U	2.7 U	5.5 U	0.50 J	1.1 U	1.1 UJ	1.1 U	2.7 UJ	22	5.5	5.0 J
Thiophene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	1.7 U	6.9 U	0.69 U	3.4 U
Trans-1,2-dichloroethene	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	2.0 U	7.9 U	0.79 U	4.0 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	0.41 J	1.3 J	1.5 U	0.39 J	0.38 J	0.39 J	0.40 J	0.81 J	0.61 J	1.5 U	0.74 J	0.61 J	0.46 J	3.8 U	15 U	1.5 U	7.7 U
Trichlorobenzene, 1,2,4-	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.7 U	15 U	1.5 U	7.4 U
Trichloroethane, 1,1,1-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.7 U	11 U	1.1 U	5.4 U
Trichloroethane, 1,1,2-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.7 U	11 U	1.1 U	5.4 U
Trichloroethene	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	0.68 J	1.1 U	1.9	2.7 U	11 U	1.1 U	5.4 U	
Trichlorofluoromethane	1.2	1.4	1.2	1.4	1.4	1.4	1.5	1.8 J	1.6	0.76 J	1.6	1.6	1.5	1.4 J	11 U	1.1 U	5.6 U
Trimethylbenzene, 1,2,3-	0.72 J	0.43 J	0.27 J	0.98 U	0.98 U	0.31 J	0.98 U	0.98 U	0.98 U	0.71 J	0.98 U	0.98 U	0.98 U	2.5 U	31	3.7	3.7 J
Trimethylbenzene, 1,2,4-	0.76 J	0.51 J	0.73 J	0.98 U	0.98 U	0.44 J	0.98 U	0.98 U	0.98 U	1.7	0.98 U	0.98 U	0.98 U	2.5 U	41	4.2	3.9 J
Trimethylbenzene, 1,3,5-	0.47 J	0.32 J	0.98 U	0.98 U	0.98 U	0.32 J	0.98 U	0.98 U	0.98 U	0.69 J	0.98 U	0.98 U	0.98 U	2.5 U	15	2.6	2.6 J
Trimethylpentane, 2,2,4-	1.9	2.3	4.4	2.0	1.7	0.93 U	0.93 U	1.8	0.93 U	5.6	0.93 U	0.93 U	0.93 U	2.3 U	50 J	0.93 U	4.7 U
Undecane, n-	0.53 J	0.65 J	2.0	0.45 J	1.3 U	0.49 J	1.3 U	0.41 J	0.51 J	3.6	1.3 U	1.3 U	1.3 U	3.2 U	79	1.3 UJ	6.4 UJ
Vinyl bromide	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	2.2 U	8.7 U	0.87 U	4.4 U
Vinyl chloride	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	1.3 U	5.1 U	0.51 U	2.6 U
Other (%)																	
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.09	14.3	5.18	4.11	3.62	2.56	NA	NA
Helium	0.0169	0.017	0.0167 U	0.0148	0.017	0.0216	0.0164	0.0202 U	0.0218	0.0188 U	0.0211	0.0254 U	0.0218 U	0.0166 U	0.0164 U	0.0186 U	0.0171 U

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG25 12/30/2008	OU2SG-25A 2/16/2009	OU2SG-25P 2/16/2009	OU2SG-25A 2/17/2009	OU2SG-25P 2/17/2009	OU2SG-25 2/18/2009	OU2SG-25 2/19/2009	OU2SG-25 2/20/2009	OU2SG-25 2/21/2009	OU2SG-25 2/27/2009	OU2SG-25 3/5/2009	OU2SG-25 3/13/2009	OU2SG-25 4/13/2009	OU2SG-25 5/22/2009	OU2SG-25 6/25/2009	OU2SG-25 7/23/2009
BTEX (ug/m3)																
Benzene	0.64 U	0.48 J	0.17 J	0.64 U	0.64 U	0.19 J	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	1.3 U	0.64 U	0.64 U	0.65 U	6.4 U
Toluene	0.66 J	1.0 J	0.44 J	0.23 J	0.38 J	0.30 J	0.75 U	0.75 U	0.22 J	0.75 U	0.23 J	1.5 U	0.75 U	0.21 J	1.7	7.5 U
Ethylbenzene	0.87 U	0.46 J	0.31 J	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	1.7 U	0.87 U	0.87 U	0.70 J	8.7 U
Xylene, m,p-	0.50 J	1.4 J	0.84 J	0.28 J	0.38 J	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	3.5 U	1.7 U	1.7 U	1.4 J	17 U
Xylene, o-	0.25 J	1.1	0.72 J	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	1.7 U	0.87 U	0.87 U	0.46 J	8.7 U
Other VOCs (ug/m3)																
Acetaldehyde	4.5 UJ	4.5 UJ	4.5 UJ	2.4 U	3.8 J	2.6 U	2.1 U	3.8 U	3.3 U	2.7 U	2.0 U	3.6 U	3.6 UJ	4.5 U	4.5 UJ	45 UJ
Acetone	1.2 UJ	1.2 UJ	1.2 UJ	1.4 U	1.6 U	1.6 U	1.4 U	2.3 U	2.0 U	1.3 U	2.0 U	2.4 U	1.8 U	2.3 U	1.8 UJ	12 U
Acrolein (propenal)	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.92 U	0.46 U	1.2 UJ	1.2 UJ	11 U
Allyl chloride	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	1.2 U	0.63 U	0.63 U	0.63 U	6.3 U
Benzothiophene	1.1 UJ	1.1 U	1.1 U	2.7 UJ	2.7 UJ	2.7 UJ	2.7 UJ	2.7 U	2.7 U	2.7 U	1.1 U	5.5 UJ	14 UJ	1.1 U	1.1 U	11 UJ
Bromodichloromethane	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	2.7 U	1.3 U	1.3 U	1.3 U	13 U
Bromoform	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.1 U	2.1 U	2.1 U	2.1 U	21 U
Bromomethane	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	1.6 U	0.78 U	0.78 U	0.78 U	7.8 U
Butadiene, 1,3-	0.44 U	0.44 UJ	0.44 UJ	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.88 U	0.44 U	0.44 U	0.44 U	4.4 U
Butane	62	1.8	1.9	0.48	0.20 J	0.39 J	0.31 J	0.39 J	0.66 J	0.25 J	0.27 J	0.39 J	0.71	0.34 J	220	4.3 J
Butanone, 2-	0.59 U	0.59 U	0.59 U	0.26 J	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	1.2 U	0.59 U	0.59 U	1.8	5.9 U
Carbon disulfide	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	1.6	0.62 U	1.7	0.62 U	1.2 U	0.62 U	0.62 U	2.0	6.2 U
Carbon tetrachloride	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	2.5 U	1.3 U	1.3 U	1.3 U	13 U
Chlorobenzene	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	0.92 U	0.92 U	0.92 U	9.2 U
Chloroethane	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	1.0 U	0.53 U	0.53 U	0.53 U	5.3 U
Chloroform	0.98 U	0.98 U	0.98 U	1.1	0.85 J	0.96 J	0.90 J	0.88 J	0.84 J	1.4	0.85 J	0.78 J	0.98 U	3.4 J	0.98 U	9.8 U
Chloromethane	0.41 U	0.41 U	0.41 U	0.11 J	0.12 J	0.41 U	0.12 J	0.19 J	0.14 J	0.16 J	0.17 J	0.83 U	0.41 U	0.12 J	0.44	4.1 U
Chlorotoluene, 2-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.1 U	1.0 U	1.0 U	1.0 U	10 U
Cryofluorane	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	2.8 U	1.4 U	1.4 U	1.4 U	14 U
Cyclohexane	3.3	2.0	0.37 J	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	1.4 U	0.38 J	0.69 U	19	6.9 U
Decane, n-	2.5	2.8	5.1	0.96 J	1.2	0.72 J	0.85 J	1.2	1.2	1.2	1.2	3.5	2.2 J	2.5 J	0.81 J	9.9 U
Dibromochloromethane	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	3.4 U	1.7 U	1.7 U	1.7 U	17 U
Dibromoethane, 1,2-	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.1 U	1.5 U	1.5 U	1.5 U	15 U
Dichlorobenzene, 1,2-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	2.4 U	1.2 U	1.2 U	1.2 U	12 U
Dichlorobenzene, 1,3-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	2.4 U	1.2 U	1.2 U	0.94 J	12 U
Dichlorobenzene, 1,4-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	2.4 U	1.2 U	1.2 U	0.42 J	12 U
Dichlorodifluoromethane	1.5	1.9	2.1	2.5	2.6	2.6	2.8	3.0	3.0	3.1	2.8	3.5	2.2 J	2.5 J	0.81 J	9.9 U
Dichloroethane, 1,1-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	1.6 U	0.81 U	0.81 U	0.81 U	8.1 U
Dichloroethane, 1,2-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	1.6 UJ	0.81 U	0.81 U	0.81 U	8.1 U
Dichloroethene, 1,1-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	0.79 U	0.79 U	0.79 U	7.9 U
Dichloroethene, cis-1,2-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	0.79 U	0.79 U	0.79 U	7.9 U
Dichloropropane, 1,2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	0.92 U	0.92 U	0.92 U	9.2 U
Dichloropropene, cis-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	1.8 U	0.91 U	0.91 U	0.91 U	9.1 U
Dichloropropene, trans-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	1.8 U	0.91 U	0.91 U	0.91 U	9.1 U
Dioxane, 1,4-	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	1.4 U	0.72 U	0.72 UJ	0.72 UJ	7.2 U
Dodecane, n-	0.49 J	1.6 J	56 J	1.1 J	0.82 J	0.65 J	1.8 J	0.67 J	1.2 J	1.1 J	0.47 J	7.0 U	0.56 J	1.4 U	6.7	14 U
Ethanol	4.4	2.6 U	2.1 U	0.99 J	1.6 J	1.2 J	1.7 J	0.97 J	1.2 J	1.9 J	1.2 J	1.0 J	1.9 U	1.9 U	26	19 U
Ethylthiophene, 2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	0.92 U	0.92 U	0.92 U	9.2 U

Table 6-1
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Bay Shore/Brightwaters Former MGP Site
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Sample Name: Sample Date:	OU2SG25 12/30/2008	OU2SG-25A 2/16/2009	OU2SG-25P 2/16/2009	OU2SG-25A 2/17/2009	OU2SG-25P 2/17/2009	OU2SG-25 2/18/2009	OU2SG-25 2/19/2009	OU2SG-25 2/20/2009	OU2SG-25 2/21/2009	OU2SG-25 2/27/2009	OU2SG-25 3/5/2009	OU2SG-25 3/13/2009	OU2SG-25 4/13/2009	OU2SG-25 5/22/2009	OU2SG-25 6/25/2009	OU2SG-25 7/23/2009
Ethyltoluene, p-	0.98 U	0.63 J	0.56 J	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	2.0 U	0.98 U	0.98 U	0.33 J	9.8 U
Hepiane, n-	0.82 U	1.4 J	0.82 UJ	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 UJ	1.6 U	0.82 U	0.82 U	3.3	8.2 U
Hexachlorobutadiene	2.1 U	2.1 U	2.1 U	2.1 UJ	2.1 UJ	2.1 UJ	2.1 UJ	2.1 U	2.1 U	2.1 UJ	2.1 U	4.3 U	2.1 U	2.1 U	2.1 U	21 U
Hexane, n-	1.1	0.71 J	0.38 J	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	1.4 U	0.70 U	0.70 U	13	7.0 U
Hexanone, 2-	0.82 U	0.82 U	0.82 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.82 U	4.1 U	0.82 U	0.82 U	0.82 U	8.2 UJ
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	0.97 U	0.97 U	0.28 J	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	1.9 U	0.97 U	0.97 U	0.97 U	9.7 U
Indene	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	1.9 U	0.95 U	0.95 U	0.95 U	9.5 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	1.4 U	0.72 U	0.72 U	0.72 U	7.2 U
Methyl-2-pentanone, 4-	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 UJ	1.6 U	0.82 U	0.82 U	0.82 U	8.2 U
Methylene chloride	1.7 U	0.69 U	0.69 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	0.69 U	3.5 U	1.7 U	1.6 J	1.7 U	17 U
Methylnaphthalene, 1-	R	1.2 UJ	1.2 UJ	2.9 UJ	R	R	0.34 J	2.9 U	2.9 UJ	1.2 UJ	5.8 UJ	5.8 UJ	5.8 U	1.2 U	0.30 J	12 U
Methylnaphthalene, 2-	14 UJ	1.2 U	0.35 J	2.9 UJ	2.9 UJ	2.9 UJ	0.48 J	2.9 U	2.9 UJ	1.2 UJ	5.8 UJ	5.8 U	1.2 U	0.43 J	12 U	12 U
Methylthiophene, 2-	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	1.6 U	0.80 U	0.80 U	0.80 U	8.0 U
Methylthiophene, 3-	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	1.6 U	0.80 U	0.80 U	0.80 U	8.0 U
Naphthalene	1.0 U	1.0 U	0.41 J	0.69 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.1 U	1.0 U	1.0 U	1.0 J	10 U
Nonane	1.0 U	1.0 UJ	4.1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.1 U	1.0 U	1.0 U	1.0 U	10 U
Octane, n-	0.93 U	1.9	1.0	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	1.9 U	0.93 U	0.93 U	37	9.3 U
Pentane	2.9	1.1	0.79	0.27 J	0.17 J	0.28 J	0.59 U	0.59 U	1.0	0.59 U	0.19 J	1.2 U	0.56 J	0.33 J	40	5.9 U
Propanol, 2-	0.49 U	0.49 UJ	0.49 UJ	0.52 J	1.2 U	0.75 J	1.2 U	1.3	0.84 J	1.2 U	1.2 U	2.5 U	0.49 UJ	1.2 U	1.7 U	12 U
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.23 J	0.22 J	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	1.7 U	0.85 U	0.85 U	9.4	8.5 U
t-Butyl alcohol	0.61 U	1.5 U	1.5 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	1.5 U	1.2 U	0.61 U	0.61 U	0.37 J	6.1 U
Tetrachloroethane, 1,1,2,2-	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	2.7 U	1.4 U	1.4 U	1.4 U	14 U
Tetrachloroethene	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.41 J	1.4 U	1.4 U	1.4 U	0.42 J	1.4 U	2.7 U	1.4 U	0.67 J	0.67 J	14 U
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	1.1 U	1.1 U	1.1 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 UJ	2.7 UJ	1.1 U	5.5 U	5.5 U	1.1 U	0.59 J	11 UJ
Thiophene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	1.4 U	0.69 U	0.69 U	0.69 U	6.9 U
Trans-1,2-dichloroethene	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	0.79 U	0.79 U	0.79 U	7.9 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	1.5 U	0.39 J	1.5 U	0.48 J	0.53 J	0.54 J	0.51 J	0.58 J	0.62 J	0.57 J	0.60 J	3.1 U	0.38 J	0.74 J	1.5 U	15 U
Trichlorobenzene, 1,2,4-	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.0 U	1.5 U	1.5 U	1.5 U	15 U
Trichloroethane, 1,1,1-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	1.1 U	1.1 U	1.1 U	11 U
Trichloroethane, 1,1,2-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	1.1 U	1.1 U	1.1 U	11 U
Trichloroethene	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	1.1 U	1.1 U	1.1 U	11 U
Trichlorofluoromethane	0.80 J	1.3	1.4	1.1 J	1.1 J	1.1 J	1.2	1.4	1.4	1.3	1.2	1.3 J	1.2	2.0 J	1.1 U	11 U
Trimethylbenzene, 1,2,3-	0.35 J	0.83 J	0.99	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	2.0 U	0.98 U	0.98 U	0.65 J	9.8 U
Trimethylbenzene, 1,2,4-	0.98 U	0.95 J	1.4	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	2.0 U	0.98 U	0.98 U	1.7	9.8 U
Trimethylbenzene, 1,3,5-	0.98 U	0.74 J	0.80 J	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	2.0 U	0.98 U	0.98 U	0.86 J	9.8 U
Trimethylpentane, 2,2,4-	4.8	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	1.9 U	0.79 J	0.93 U	0.93 UJ	14
Undecane, n-	0.58 J	1.6	8.9	0.89 J	0.36 J	1.3 U	0.88 J	0.37 J	0.57 J	1.2 J	1.3 U	0.89 J	1.3 U	2.2	13 U	13 U
Vinyl bromide	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	1.8 U	0.87 U	0.87 U	0.87 U	8.7 U
Vinyl chloride	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	1.0 U	0.51 U	0.51 U	0.51 U	5.1 U
Other (%)																
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.7	3.31	16.7	20.4
Helium	0.0179	0.49	0.0154	0.0172	0.0209	0.0163	0.0222 U	0.0185	0.015	0.028	0.0147	0.0202 U	0.0225	0.0234 U	0.0187	0.0196 U

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG-25 8/18/2009	OU2SG-25 9/22/2009	OU2SG26 8/13/2008	Duplicate of OU2SG26 8/13/2008	OU2SG26 9/23/2008	OU2SG26 12/30/2008	OU2SG-26A 2/16/2009	Duplicate of OU2SG-26A 2/16/2009	OU2SG-26P 2/16/2009	OU2SG-26A 2/17/2009	OU2SG-26P 2/17/2009	OU2SG-26 2/18/2009	OU2SG-26 2/19/2009	Duplicate of OU2SG-26 2/19/2009	OU2SG-26 2/20/2009	OU2SG-26 2/21/2009
BTEX (ug/m3)																
Benzene	6.4 U	1.6 U	0.35 J	0.29 J	0.64 U	0.64	0.30 J	0.28 J	0.64 U	0.26 J	0.63 J	0.41 J	0.64 U	0.64 U	0.54 J	0.18 J
Toluene	7.5 U	0.56 J	0.49 J	0.26 J	1.7	11	4.0 J	5.2 J	0.41 J	1.2	5.7	3.6	0.63 J	0.80	11	0.47 J
Ethylbenzene	8.7 U	2.2 U	0.87 U	0.87 U	1.3	22	11	14	1.8	1.1 J	0.40 J	2.0 J	0.90 J	1.1 J	2.0 J	0.53 J
Xylene, m,p-	17 U	4.3 U	0.30 J	0.26 J	8.6	44	39 J	56 J	6.7	4.5	1.5 J	8.8	4.6	4.9	7.7	2.3
Xylene, o-	8.7 U	2.2 U	0.87 U	0.87 U	3.2	46	29	32	5.8	2.4	0.88	4.1	2.4	3.1	3.0	1.0
Other VOCs (ug/m3)																
Acetaldehyde	45 UJ	4.5 UJ	26 J	37 J	9.7 J	3.2 J	5.8 U	5.0 U	7.0 U	3.8 J	1.8 UJ	5.1 J	4.6 U	5.3	8.1 J	2.3 U
Acetone	38 J	3.4 U	9.0 J	6.6 J	6.2	3.0 U	2.7 U	2.5 U	2.7 U	2.1 U	1.2 UJ	1.2 UJ	2.4 U	3.3 U	1.2 UJ	2.2 U
Acrolein (propenal)	11 U	2.9 U	0.46 U	0.27 J	0.25 J	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.24 J	0.46 U	0.46 U	0.46 U	0.46 U
Allyl chloride	6.3 U	1.6 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
Benzothiophene	11 UJ	2.7 U	1.1 U	1.1 U	1.1 U	1.1 UJ	1.1 U	1.1 U	1.1 U	1.1 U	2.7 UJ	2.7 UJ	2.7 UJ	2.7 U	2.7 UJ	2.7 U
Bromodichloromethane	13 U	3.4 U	0.54 J	0.54 J	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	21 U	5.2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	7.8 U	1.9 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
Butadiene, 1,3-	4.4 U	1.1 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 UJ	0.44 UJ	0.44 UJ	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Butane	3.1 J	2.4	2.8	2.8	0.48 U	0.28 J	0.29 J	0.24 J	0.36 J	0.48 U	1.2	0.48	0.48 U	0.48 U	0.59	0.40 J
Butanone, 2-	2.6 J	1.5 U	2.4 J	1.6 J	1.6	0.59 U	0.59 U	0.59 U	0.59 U	0.29 J	0.67	0.63	0.59 U	0.47 J	0.90	0.56 J
Carbon disulfide	6.2 UJ	1.9 U	1.5	1.5	0.34 J	1.2	0.63 J	0.39 J	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.28 J
Carbon tetrachloride	13 U	3.1 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Chlorobenzene	9.2 U	2.3 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Chloroethane	5.3 U	1.3 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U
Chloroform	9.8 U	1.2 J	120	130	28	3.0	1.6	2.0	1.8	1.6	1.7	1.8	2.4	2.5	1.6	1.4
Chloromethane	2.9 J	1.6	0.60	0.64	0.31 J	0.20 J	0.41 U	0.41 U	0.41 U	0.13 J	0.34 J	0.21 J	0.41 U	0.41 U	0.47	0.16 J
Chlorotoluene, 2-	10 U	2.6 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cryofluorane	14 U	3.5 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Cyclohexane	6.9 U	1.7 U	0.17 J	0.69 U	0.69 U	0.28 J	0.69 U	0.69 U	0.69 U	0.69 U	0.69	0.69 U	0.69 U	0.69 U	0.21 J	0.69 U
Decane, n-	12 U	2.9 U	20	20	80	340	160	190	160	38	34	41	14	18	10	3.2
Dibromochloromethane	17 U	4.3 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dibromoethane, 1,2-	15 U	3.8 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Dichlorobenzene, 1,2-	12 U	3.0 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,3-	12 U	3.0 U	0.42 J	0.36 J	1.7	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,4-	12 U	3.0 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorodifluoromethane	9.9 U	1.7 J	3.1	3.3	2.8	2.8	2.4	2.5	2.7	2.4	2.3	2.4	2.6	3.0	2.9	2.1
Dichloroethane, 1,1-	8.1 U	2.0 U	0.44 J	0.44 J	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethane, 1,2-	8.1 U	2.0 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethene, 1,1-	7.9 U	2.0 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.37 J
Dichloroethene, cis-1,2-	7.9 U	2.0 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloropropane, 1,2-	9.2 U	2.3 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Dichloropropene, cis-1,3	9.1 U	2.3 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dichloropropene, trans-1,3	9.1 U	2.3 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dioxane, 1,4-	7.2 U	1.8 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Dodecane, n-	14 UJ	3.5 U	13 J	12	28	24 J	22 J	24 J	60 J	16 J	37 J	29 J	37	23 J	12 J	6.8 J
Ethanol	7.0 J	4.7 U	8.6 J	5.7 J	12	4.6	2.4 U	2.9 U	3.0 U	4.8	1.6 J	6.8	3.3 J	4.4 J	8.6	3.4 J
Ethylthiophene, 2-	9.2 U	2.3 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG-25 8/18/2009	OU2SG-25 9/22/2009	OU2SG26 8/13/2008	Duplicate of OU2SG26 8/13/2008	OU2SG26 9/23/2008	OU2SG26 12/30/2008	OU2SG-26A 2/16/2009	Duplicate of OU2SG-26A 2/16/2009	OU2SG-26P 2/16/2009	OU2SG-26A 2/17/2009	OU2SG-26P 2/17/2009	OU2SG-26 2/18/2009	OU2SG-26 2/19/2009	Duplicate of OU2SG-26 2/19/2009	OU2SG-26 2/20/2009	OU2SG-26 2/21/2009
Ethyltoluene, p-	9.8 U	2.5 U	0.98 U	0.98 U	2.3	26	19	21	8.2	2.1	1.1	2.8	1.4	1.9	0.94 J	0.58 J
Heptane, n-	8.2 U	2.0 U	0.53 J	0.37 J	0.33 J	1.6	0.50 J	0.61 J	0.82 U	0.20 J	0.69 J	0.71 J	0.82 U	0.82 U	0.41 J	0.82 U
Hexachlorobutadiene	21 U	5.3 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 UJ	2.1 UJ	2.1 UJ	2.1 UJ	2.1 UJ	2.1 U	2.1 U
Hexane, n-	7.0 U	0.62 J	0.25 J	0.70 U	0.70 U	0.22 J	0.70 UJ	0.70 UJ	0.70 UJ	0.70 U	0.88	0.36 J	0.70 U	0.70 U	0.41 J	0.70 U
Hexanone, 2-	8.2 U	2.0 U	1.6	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	9.7 U	2.4 U	0.97 U	0.97 U	1.3	17	12	12	8.5	2.9	2.4	3.1	2.0	2.3	0.76 J	0.53 J
Indene	9.5 U	2.4 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	7.2 U	1.8 U	2.5	2.7	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Methyl-2-pentanone, 4-	8.2 U	2.0 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Methylene chloride	4.5 J	2.6 J	0.62 UJ	0.69 UJ	0.69 UJ	1.7 U	0.69 U	0.69 U	0.69 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Methylnaphthalene, 1-	12 UJ	2.9 U	1.2 U	1.2 U	1.2 U	R	1.4 J	0.96 J	3.0 J	2.9 UJ	2.7 J	2.4 J	2.9 J	2.9 UJ	0.52 J	0.98 J
Methylnaphthalene, 2-	12 UJ	2.9 U	1.2 U	1.2 U	1.2 U	14 UJ	2.3	1.2	4.8	2.9 UJ	2.8 J	2.7 J	4.0 J	2.9 UJ	0.87 J	1.1 J
Methylthiophene, 2-	8.0 U	2.0 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Methylthiophene, 3-	8.0 U	2.0 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Naphthalene	10 U	2.6 U	0.37 J	0.42 J	0.79 J	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.39 J
Nonane	10 U	2.6 U	0.37 J	0.37 J	13	240	140	140	33	8.5	3.3	12	2.0	2.5	2.0	2.1
Octane, n-	9.3 U	2.3 U	69	62	93	30	89	10	1.2	1.1	0.37 J	2.8	0.93 U	0.30 J	0.96	0.47 J
Pentane	3.5 J	1.8	0.74	0.50 J	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	1.8	5.8	0.59 U	0.59 U	13	0.31 J
Propanol, 2-	12 U	3.0 U	0.52 U	0.49 U	0.49 U	0.48 UJ	0.68 U	0.64 U	0.60 U	1.2 U	1.2 U	1.1 J	1.2 U	1.2 U	2.7	0.42 J
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	8.5 U	2.1 U	0.85 U	0.85 U	0.21 J	0.77 J	0.74 J	0.92	0.85 U	0.85 U	0.85 U	0.25 J	0.85 U	0.71 J	0.65 J	0.85 U
t-Butyl alcohol	6.1 U	1.5 U	0.61 UJ	0.61 UJ	0.61 U	0.61 U	1.5 U	1.5 U	1.5 U	0.21 J	0.61 U	0.61 U	0.30 J	0.26 J	0.30 J	0.48 J
Tetrachloroethane, 1,1,2,2-	14 U	3.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Tetrachloroethene	14 U	1.2 J	6.0	6.0	3.2	2.2	0.79 J	1.1 J	0.36 J	0.35 J	0.44 J	0.61 J	0.45 J	0.38 J	0.64 J	1.4 U
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	11 U	2.7 UJ	0.38 J	0.38 J	3.6	74	58 J	39 J	74 J	26	31	31	23 J	33 J	4.9	3.4 J
Thiophene	6.9 U	1.7 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Trans-1,2-dichloroethene	7.9 U	2.0 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	15 U	3.8 U	0.92 J	0.92 J	0.77 J	1.0 J	0.56 J	0.52 J	0.46 J	0.70 J	0.41 J	1.5 U	0.47 J	0.48 J	0.46 J	1.5 U
Trichlorobenzene, 1,2,4-	15 U	3.7 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Trichloroethane, 1,1,1-	11 U	2.7 U	1.6	1.7	0.76 J	0.28 J	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	0.40 J
Trichloroethane, 1,1,2-	11 U	2.7 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethene	11 U	2.7 U	0.27 J	0.27 J	1.1 U	1.1 U	1.1 U	1.1 U	0.39 J	1.1 U	0.55 J	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichlorofluoromethane	11 U	1.4 J	2.2	2.2	2.1	1.6	1.2	1.1 J	1.1 J	1.0 J	0.90 J	0.96 J	1.1 J	1.2	1.2	0.81 J
Trimethylbenzene, 1,2,3-	9.8 U	2.5 U	0.25 J	0.25 J	4.6	52	72	78	46	15	12	16	9.0	10	3.2	2.2
Trimethylbenzene, 1,2,4-	9.8 U	2.5 U	0.49 J	0.54 J	12	110	51	64	32	8.2	5.1	10	6.1 J	7.7	3.2 J	2.0
Trimethylbenzene, 1,3,5-	9.8 U	2.5 U	0.98 U	0.98 U	3.9	130	69	72	27	6.9	3.8	8.3	4.1 J	5.1	2.3 J	1.3
Trimethylpentane, 2,2,4-	9.3 U	2.3 U	0.47 J	0.37 J	0.42 J	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U
Undecane, n-	13 U	3.2 U	1.3 U	1.3 U	22	160	94	79	140	57	78	76	50 J	68 J	24	8.0
Vinyl bromide	8.7 U	2.2 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl chloride	5.1 U	1.3 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Other (%)																
Carbon Dioxide	20.5	16.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	0.0183 U	0.0173 U	0.0177 U	0.0175 U	0.0155 U	0.0163	0.039	0.0175	0.0188	0.029	0.0153	0.017	0.0357	0.0161 U	0.0157	0.0157

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG-26 2/27/2009	OU2SG-26 3/5/2009	Duplicate of OU2SG-26 3/5/2009	OU2SG-26 3/13/2009	OU2SG-26 4/13/2009	OU2SG-26 5/22/2009	OU2SG-26 6/25/2009	OU2SG-26 7/23/2009	Duplicate of OU2SG-26 7/23/2009	OU2SG-26 8/18/2009	OU2SG-26 9/22/2009	OU2SG28 3/19/2009	OU2SG-28A 3/31/2009	OU2SG-28P 3/31/2009	OU2SG-28A 4/1/2009	OU2SG-28P 4/1/2009
BTEX (ug/m3)																
Benzene	0.21 J	0.26 J	0.45 J	0.18 J	0.16 J	0.64 U	0.64 U	0.16 J	1.3 U	0.35 J	1.6 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U
Toluene	1.8	1.3	1.7	2.8	1.4	4.3	4.3	2.0	2.5	2.8	1.8 J	0.67 J	0.26 J	0.30 J	0.27 J	0.40 J
Ethylbenzene	3.3 J	1.4	1.3	4.3 J	2.2	17	10	6.4	6.2	11 J	1.8 J	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Xylene, m,p-	16	6.5	5.0	21	6.6	54	39	27	24	57 J	8.6	0.49 J	0.25 J	0.25 J	1.7 U	1.7 U
Xylene, o-	8.3	3.8 J	2.6 J	9.9	4.6	28	18	14	14	34 J	4.4	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Other VOCs (ug/m3)																
Acetaldehyde	2.4 U	3.7 U	2.6 U	1.8 U	3.6 U	8.5	4.5 U	9.4 J	12 J	26 J	6.3 U	1.8 U	2.5 U	3.9 U	1.8 UJ	3.6 U
Acetone	2.8 U	2.8 U	3.5 U	1.2 U	3.9	4.7 U	3.2 U	5.1 U	6.5 U	5.9 J	3.9 U	2.4 U	1.8 U	2.6 J	1.8 UJ	2.1 U
Acrolein (propenal)	0.46 U	0.34 J	0.46 U	0.46 U	0.46 U	1.2 UJ	1.2 U	1.2 U	2.3 U	1.2 U	2.9 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U
Allyl chloride	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	1.2 U	0.63 U	1.6 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
Benzothiophene	2.7 U	1.1 U	1.1 U	2.7 UJ	14 UJ	1.1 U	1.1 U	1.1 UJ	2.2 UJ	1.1 UJ	2.7 U	1.1 U	2.7 U	2.7 U	14 UJ	14 UJ
Bromodichloromethane	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	2.7 U	1.3 U	3.4 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.1 U	2.1 U	5.2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	1.6 U	0.78 U	1.9 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
Butadiene, 1,3-	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.88 U	0.44 U	1.1 U	0.44 U	0.44 UJ	0.44 UJ	0.44 UJ	0.44 U
Butane	0.48 U	0.37 J	0.81	0.48	0.71	0.48 U	0.48 U	0.48 U	0.43 J	0.48 U	0.48 J	0.43 J	1.3	2.3 J	0.63 J	0.56
Butanone, 2-	0.70	0.59 U	0.62	0.31 J	0.44 J	0.80	0.81	1.3	1.2	1.3	1.5 U	0.59 U	0.59 U	0.59 U	0.59 U	0.39 J
Carbon disulfide	0.18 J	0.62 U	0.17 J	0.62 U	0.62 U	1.2	1.6	0.81 U	1.3	1.6 J	1.6 U	0.49 J	1.7	2.0 J	1.7 J	0.96 U
Carbon tetrachloride	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	2.5 U	1.3 U	3.1 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Chlorobenzene	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	0.92 U	2.3 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Chloroethane	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	1.0 U	0.53 U	1.3 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U
Chloroform	1.7	1.7	1.6	1.7	1.8	2.9	3.0	5.3	5.2	5.6	4.8	5.8	5.6	5.1 J	5.6 J	4.9
Chloromethane	0.21 J	0.23 J	0.37 J	0.11 J	0.41 U	0.14 J	0.41 U	0.27 J	0.45 J	0.23 J	1.0 U	0.41 U	0.41 U	0.14 J	0.41 U	0.13 J
Chlorotoluene, 2-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.1 U	1.0 U	2.6 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cryofluorane	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	2.8 U	1.4 U	3.5 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Cyclohexane	0.69 U	0.69 U	0.56 J	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	1.4 U	0.69 U	1.7 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Decane, n-	20	10 J	0.92 J	33	29	350	72	23	20	31	2.9 U	0.33 J	1.2 U	1.2 U	1.2 U	1.2 U
Dibromochloromethane	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	3.4 U	1.7 U	4.3 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dibromoethane, 1,2-	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.1 U	1.5 U	3.8 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Dichlorobenzene, 1,2-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	2.4 U	1.2 U	3.0 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,3-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	2.4 U	1.2 U	3.0 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,4-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	2.4 U	1.2 U	3.0 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorodifluoromethane	2.6	2.5	2.3	2.4	2.6	1.2	0.98 J	1.9	2.3	2.0	2.1 J	2.3	2.7	2.5 J	2.6 J	2.9
Dichloroethane, 1,1-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	1.6 U	0.81 U	2.0 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethane, 1,2-	0.81 UJ	0.81 U	0.81 U	0.81 UJ	0.81 U	0.81 U	0.81 U	0.81 U	1.6 U	0.81 U	2.0 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethene, 1,1-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	0.79 U	2.0 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloroethene, cis-1,2-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	0.79 U	2.0 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloropropane, 1,2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	0.92 U	2.3 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Dichloropropene, cis-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	1.8 U	0.91 U	2.3 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dichloropropene, trans-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	1.8 U	0.91 U	2.3 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dioxane, 1,4-	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 UJ	0.72 UJ	0.72 UJ	1.4 U	0.72 U	1.8 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Dodecane, n-	10 J	4.8 J	1.4 UJ	9.8 J	14	47	16	14 UJ	19 J	7.0 J	3.5 U	0.86 J	0.85 J	0.48 J	0.71 J	1.2 J
Ethanol	5.5	3.3 J	4.4 J	2.1 J	1.7 J	6.8	5.8	3.9	4.9	4.9	5.6	3.8	1.5 J	5.1 J	1.1 J	1.2 J
Ethylthiophene, 2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	0.92 U	2.3 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
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Sample Name: Sample Date:	OU2SG-26 2/27/2009	OU2SG-26 3/5/2009	Duplicate of OU2SG-26 3/5/2009	OU2SG-26 3/13/2009	OU2SG-26 4/13/2009	OU2SG-26 5/22/2009	OU2SG-26 6/25/2009	OU2SG-26 7/23/2009	Duplicate of OU2SG-26 7/23/2009	OU2SG-26 8/18/2009	OU2SG-26 9/22/2009	OU2SG28 3/19/2009	OU2SG-28A 3/31/2009	OU2SG-28P 3/31/2009	OU2SG-28A 4/1/2009	OU2SG-28P 4/1/2009
Ethyltoluene, p-	5.6	2.4 J	1.1 J	6.7	4.3	37	23	24	21	55 J	4.3	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Heptane, n-	0.82 U	0.82 UJ	0.43 J	0.23 J	0.33 J	0.37 J	0.42 J	0.82 U	1.6 U	0.82 U	2.0 U	0.82 U	0.49 J	1.2 J	0.97 J	0.52 J
Hexachlorobutadiene	2.1 UJ	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.3 U	2.1 U	5.3 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Hexane, n-	0.70 U	0.19 J	0.51 J	0.70 U	0.32 J	0.70 U	0.70 U	0.70 U	1.4 U	0.70 U	1.8 U	0.70 U	0.39 J	1.2 J	0.70 U	0.70 U
Hexanone, 2-	2.0 U	0.82 U	0.82 U	2.0 U	0.82 U	0.53 J	2.5	1.6	1.6 J	1.0	2.0 U	0.82 U	2.0 U	2.0 U	2.0 U	0.82 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	4.3	1.9	0.92 J	5.2	3.5	89	15	18	16	43	3.0	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U
Indene	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	1.9 U	0.95 U	2.4 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	1.4 U	0.72 U	1.8 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Methyl-2-pentanone, 4-	0.82 U	0.82 UJ	0.82 UJ	0.82 U	0.82 U	0.70 J	1.5	1.8	2.0	7.1	1.3 J	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Methylene chloride	1.7 U	0.69 U	0.69 U	1.7 U	1.7 U	0.97 J	1.8 U	1.7 U	3.4 U	0.83 J	1.6 J	1.7 U	1.7 U	1.7 U	2.8 U	2.1 U
Methylnaphthalene, 1-	1.1 J	1.2 UJ	1.2 UJ	2.9 UJ	5.8 U	6.9 J	2.6 J	4.6 J	12 J	4.9 J	2.9 U	1.2 U	2.9 UJ	2.9 UJ	2.9 UJ	5.8 U
Methylnaphthalene, 2-	0.85 J	1.2 UJ	1.2 UJ	2.9 UJ	5.8 U	13	3.5	7.1 J	15 J	6.7 J	2.9 U	1.2 U	2.9 UJ	2.9 UJ	2.9 UJ	5.8 U
Methylthiophene, 2-	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	1.6 U	0.80 U	2.0 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Methylthiophene, 3-	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	1.6 U	0.80 U	2.0 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Naphthalene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	73	13	14	14	9.4	2.6 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Nonane	16	7.9 J	3.9 J	26	16	170	74	10	9.3	11	2.6 U	1.0 U	1.0 U	0.29 J	1.0 U	1.0 U
Octane, n-	2.6	0.89 J	0.85 J	3.9	2.2	13	13	1.4	1.4 J	0.98	2.3 U	0.93 U	0.93 U	0.43 J	0.93 U	0.93 U
Pentane	0.59 U	0.31 J	1.2 J	0.40 J	0.44 J	0.59 U	0.59 U	0.59 U	1.2 U	0.59 U	1.5 U	0.31 J	1.1	1.8 J	0.64 J	0.38 J
Propanol, 2-	1.2 U	1.2 U	1.2 U	1.2 U	0.79	1.2 U	1.2 U	1.2 U	2.4 U	1.2 U	3.0 U	1.2 U	1.2 U	1.2 U	1.2 U	0.61
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.38 J	0.85 U	0.85 U	0.34 J	0.85 U	0.60 J	0.46 J	0.43 J	1.7 U	0.72 J	2.1 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U
t-Butyl alcohol	0.27 J	1.5 U	1.5 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	1.2 U	0.61 U	1.5 U	0.28 J	0.61 U	0.61 U	0.61 U	0.18 J
Tetrachloroethane, 1,1,2,2-	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	2.7 U	1.4 U	3.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Tetrachloroethene	0.44 J	1.4 U	1.4 U	0.52 J	0.41 J	2.8	3.6	2.9	2.4 J	2.6	1.5 J	1.4 U	0.47 J	1.4 U	0.36 J	0.46 J
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	15 J	6.2 J	1.1 UJ	17	33 J	200 J	71 J	75	68 J	61	11 J	1.1 U	2.7 U	2.7 U	2.7 U	5.5 U
Thiophene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	1.4 U	0.69 U	1.7 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Trans-1,2-dichloroethene	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	0.79 U	2.0 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	0.63 J	0.39 J	1.5 U	0.42 J	0.54 J	0.61 J	0.57 J	0.61 J	3.1 U	0.46 J	3.8 U	0.51 J	0.49 J	0.39 J	0.44 J	0.57 J
Trichlorobenzene, 1,2,4-	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.0 U	1.5 U	3.7 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Trichloroethane, 1,1,1-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	1.1 U	2.7 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethane, 1,1,2-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	1.1 U	2.7 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethene	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	0.31 J	1.1 U	2.2 U	1.1 U	2.7 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichlorofluoromethane	1.1 J	1.0 J	1.0 J	1.0 J	1.2	1.4	1.6	3.0	3.0	3.8	5.5	1.3	1.5	1.4 J	1.5 J	1.5
Trimethylbenzene, 1,2,3-	20	8.2 J	1.5 J	25	17	69	27	39	34	120	8.8	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Trimethylbenzene, 1,2,4-	19	8.3 J	2.0 J	23	9.1	85	54	66	57	190	15	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Trimethylbenzene, 1,3,5-	14	5.9 J	2.2 J	17	8.1	78	38	46	40	110	9.0	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Trimethylpentane, 2,2,4-	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	1.9 U	0.93 U	2.3 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U
Undecane, n-	21	7.6 J	1.3 UJ	20	21	180	33	1.3 UJ	2.6 UJ	1.3 U	3.2 U	0.33 J	1.3 U	0.39 J	1.3 U	0.38 J
Vinyl bromide	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 UJ	0.87 U	1.8 U	0.87 U	2.2 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl chloride	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	1.0 U	0.51 U	1.3 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Other (%)																
Carbon Dioxide	NA	NA	NA	NA	4.48	5.3	6.27	8.53	8.58	9.93	9.21	NA	0.272	0.221 U	1.83	1.8
Helium	0.0167	0.0181	0.0153	0.0158 U	0.0204	0.0182 U	0.0226	0.0226 U	0.0205 U	0.0196 U	0.082	0.0159 U	0.0167 U	0.0221 U	0.0188	0.0191

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG-28 4/2/2009	OU2SG-28 4/3/2009	OU2SG-28 4/4/2009	OU2SG-28 4/5/2009	OU2SG-28 4/6/2009	OU2SG-28 4/10/2009	OU2SG-28 4/17/2009	OU2SG-28 4/24/2009	OU2SG-28 5/13/2009	OU2SG-28 6/16/2009	OU2SG-28 7/13/2009	OU2SG-28 8/12/2009	OU2SG-28 9/22/2009	OU2SG-29 6/25/2009	OU2SG29 8/13/2008	OU2SG29 9/23/2008	OU2SG29 12/30/2008
BTEX (ug/m3)																	
Benzene	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.18 J	0.64 U	0.64 U	0.31 J	0.18 J	0.64 U	1.6 U	0.45 J	0.64 U	0.26 J	3.2 U
Toluene	0.36 J	0.63 J	0.31 J	0.60 J	0.56 J	0.60 J	0.83	0.35 J	0.79	0.94	0.69 J	0.60 J	1.9 U	6.4	0.56 J	2.7	40
Ethylbenzene	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.23 J	0.26 J	0.31 J	0.87 U	0.87 U	0.87 U	0.87 U	2.2 U	12	0.87 U	1.8	86 J
Xylene, m,p-	1.7 U	0.45 J	1.7 U	0.48 J	0.77 J	0.87 J	1.1 J	1.7 U	0.52 J	1.7 U	0.43 J	0.43 J	4.3 U	38	0.26 J	9.2	450
Xylene, o-	0.87 U	0.87 U	0.87 U	0.87 U	0.22 J	0.22 J	0.35 J	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	2.2 U	14	0.87 U	3.4	220 J
Other VOCs (ug/m3)																	
Acetaldehyde	3.6 U	3.6 U	3.6 U	3.6 J	3.6 U	3.6 U	4.5 U	4.5 U	4.9 U	4.5 U	8.3 J	14 J	5.8 U	10	11 J	18	22 U
Acetone	2.8 U	1.8 U	1.8 U	1.4 J	1.8 J	1.8 U	2.5 J	2.3 J	2.6 U	2.6 U	3.1 J	4.3 J	3.2 U	6.3 U	5.6 J	7.7	5.9 U
Acrolein (propenal)	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	1.2 U	0.91 J	0.32 J	1.2 U	2.9 U	1.1 J	0.46 U	0.39 J	2.3 U
Allyl chloride	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	1.6 U	0.63 U	0.63 U	0.63 U	3.1 U
Benzoethiophene	14 UJ	14 UJ	14 UJ	14 UJ	14 UJ	14 UJ	14 UJ	14 UJ	14 UJ	14 UJ	14 UJ	14 UJ	2.7 U	1.1 U	1.1 U	1.1 U	5.5 UJ
Bromodichloromethane	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	3.4 U	1.3 U	0.33 J	1.3 U	6.7 U
Bromoform	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	5.2 U	2.1 U	2.1 U	2.1 U	10 U
Bromomethane	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	1.9 U	0.66 J	0.78 U	0.78 U	3.9 U
Butadiene, 1,3-	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	1.1 U	0.44 U	0.44 U	0.44 U	2.2 U
Butane	0.69	0.69	0.45 J	0.48	0.51	0.36 J	0.55	2.5	1.2	0.42 J	0.37 J	0.52	1.2 U	0.69	0.97 J	0.38 J	2.4 U
Butanone, 2-	1.1	0.33 J	0.37 J	0.38 J	0.34 J	0.47 J	0.40 J	0.59 U	0.59 U	0.48 J	0.70	0.74	1.5 U	1.0	0.94 J	1.8	3.0 U
Carbon disulfide	1.3	1.1 U	0.80 U	2.0	2.3	1.9 U	2.1	4.3	4.3	2.8	2.8 J	1.6 UJ	1.6 U	2.7	0.93 U	0.34 J	1.4 J
Carbon tetrachloride	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	3.1 U	1.3 U	1.3 U	1.3 U	6.3 U
Chlorobenzene	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	2.3 U	0.92 U	0.92 U	0.92 U	4.6 U
Chloroethane	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	1.3 U	0.53 U	0.53 U	0.53 U	2.6 U
Chloroform	5.0	5.0	4.8	5.3	5.1	4.8	4.4	5.3	4.9	5.2	6.8	6.1	5.7	0.49 J	1.1 J	0.73 J	4.9 U
Chloromethane	0.15 J	0.12 J	0.19 J	0.10 J	0.13 J	0.41 U	0.22 J	0.41 U	0.41 U	0.13 J	0.18 J	0.41 U	1.0 U	0.50	0.41 U	0.27 J	2.1 U
Chlorotoluene, 2-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.6 U	1.0 U	1.0 U	1.0 U	5.2 U
Cryofluorane	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	3.5 U	1.4 U	1.4 U	1.4 U	7.0 U
Cyclohexane	0.69 U	0.69 U	0.69 U	0.69 U	0.28 J	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	1.7 U	1.6	0.69 U	0.69 U	0.93 J
Decane, n-	1.2 U	1.2 U	1.2 U	1.2 U	0.33 J	1.2 U	0.88 J	0.49 J	1.2 U	0.40 J	1.2 U	0.70 J	2.9 U	100 J	15 J	57	1600
Dibromochloromethane	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	4.3 U	1.7 U	0.68 J	1.7 U	8.5 U
Dibromoethane, 1,2-	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.8 U	1.5 U	1.5 U	1.5 U	7.7 U
Dichlorobenzene, 1,2-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	3.0 U	1.2 U	1.2 U	1.2 U	6.0 U
Dichlorobenzene, 1,3-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	3.0 U	1.2 U	0.54 J	1.1 J	6.0 U
Dichlorobenzene, 1,4-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	3.0 U	1.2 U	1.2 U	1.2 U	6.0 U
Dichlorodifluoromethane	2.8	2.9	2.8	2.9	2.9	2.8	2.9	3.2	2.7	1.4	2.8	2.8	3.8	2.6	2.7 J	2.9	2.8 J
Dichloroethane, 1,1-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	2.0 U	0.81 U	0.81 U	0.81 U	4.0 U
Dichloroethane, 1,2-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	2.0 U	0.81 U	0.81 U	0.81 U	4.0 U
Dichloroethene, 1,1-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	2.0 U	0.79 U	0.79 U	0.79 U	4.0 U
Dichloroethene, cis-1,2-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	2.0 U	0.79 U	0.79 U	0.79 U	4.0 U
Dichloropropane, 1,2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	2.3 U	0.92 U	0.92 U	0.92 U	4.6 U
Dichloropropene, cis-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	2.3 U	0.91 U	0.91 U	0.91 U	4.5 U
Dichloropropene, trans-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	2.3 U	0.91 U	0.91 U	0.91 U	4.5 U
Dioxane, 1,4-	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	1.8 U	0.72 U	0.72 U	0.72 U	3.6 U
Dodecane, n-	0.68 J	0.54 J	0.65 J	0.70 J	1.4 J	1.4 J	0.42 J	1.3 J	1.4 J	1.2 J	0.79 J	0.49 J	3.5 U	15 J	6.9 J	8.6	170
Ethanol	1.1 J	5.6	0.63 J	1.4 J	1.1 J	1.1 J	1.8 J	0.68 J	1.9 U	2.7 U	1.0 J	0.58 J	4.7 U	6.5	5.1	22	3.5 J
Ethylthiophene, 2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	2.3 U	0.92 U	0.92 U	0.92 U	4.6 U

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG-28 4/2/2009	OU2SG-28 4/3/2009	OU2SG-28 4/4/2009	OU2SG-28 4/5/2009	OU2SG-28 4/6/2009	OU2SG-28 4/10/2009	OU2SG-28 4/17/2009	OU2SG-28 4/24/2009	OU2SG-28 5/13/2009	OU2SG-28 6/16/2009	OU2SG-28 7/13/2009	OU2SG-28 8/12/2009	OU2SG-28 9/22/2009	OU2SG-29 6/25/2009	OU2SG29 8/13/2008	OU2SG29 9/23/2008	OU2SG29 12/30/2008
Ethyltoluene, p-	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	2.5 U	27	0.98 U	1.5	150
Heptane, n-	0.82 U	1.9	0.75 J	0.94	0.82 U	0.90	0.26 J	0.75 J	0.49 J	0.82 U	0.82 U	0.37 J	2.0 U	1.2	0.37 J	0.45 J	6.2
Hexachlorobutadiene	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	5.3 U	2.1 U	2.1 U	2.1 U	11 U
Hexane, n-	0.70 U	0.36 J	0.70 U	0.70 U	0.70 U	0.70 U	0.44 J	1.1	0.70	0.18 J	0.70 U	0.32 J	1.8 U	0.49 J	0.70 U	0.70 U	3.5 U
Hexanone, 2-	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	2.0 U	0.82 U	0.82 U	0.82 U	4.1 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 UJ	0.97 U	0.97 U	2.4 U	0.97 U	0.97 U	0.72 J	49
Indene	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 UJ	0.95 U	0.95 U	2.4 U	0.95 U	0.95 U	0.95 U	4.8 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	1.8 U	0.72 U	0.72 U	0.72 U	3.6 U
Methyl-2-pentanone, 4-	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	2.0 U	0.82 U	0.82 U	0.82 U	4.1 U
Methylene chloride	2.4 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.5 J	1.7 U	1.7 U	1.1 J	4.3 U	1.2 J	0.69 UJ	0.69 U	8.5 U
Methylnaphthalene, 1-	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	14 U	14 UJ	1.2 U	1.2 U	0.74 J	1.2 UJ	2.9 U	1.2 UJ	1.2 U	1.2 U	29 UJ
Methylnaphthalene, 2-	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	14 U	14 UJ	1.2 U	1.2 U	0.67 J	1.2 UJ	2.9 U	2.4 J	1.2 U	1.2 U	29 U
Methylthiophene, 2-	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	2.0 U	2.0 U	0.80 U	0.80 U	4.0 U
Methylthiophene, 3-	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	2.0 U	0.80 U	0.80 U	0.80 U	4.0 U
Naphthalene	1.0 U	1.0 U	1.0 U	1.0 U	0.42 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.53 J	0.42 J	2.6 U	1.0 U	1.0 U	1.0 U	5.2 U
Nonane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.89 J	0.46 J	1.0 U	1.0 U	0.52 J	2.6 U	72	0.31 J	14	1700	
Octane, n-	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.56 J	0.28 J	0.93 U	0.93 U	0.93 UJ	2.3 U	13	44 J	140	270
Pentane	0.50 J	0.54 J	0.27 J	0.38 J	0.39 J	0.41 J	0.42 J	2.0	1.1	0.47 J	0.26 J	0.41 J	1.5 U	0.86	0.77 J	0.59 U	3.0 U
Propanol, 2-	2.8	0.51 U	0.49 U	0.49 U	0.49 U	0.49 U	0.64	0.64 U	1.2 U	1.2 U	1.2 U	1.2 U	6.9 U	1.2 U	0.49 U	0.49 U	6.1 U
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.85 U	0.85 U	0.45 J	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	2.1 U	0.85 U	0.85 U	0.21 J	4.3 U
t-Butyl alcohol	0.18 J	0.37 J	0.21 J	0.61 U	0.19 J	0.61 U	0.29 J	0.61 U	0.61 U	0.27 J	0.61 U	0.61 U	1.5 U	0.51 J	0.61 UJ	0.70	3.0 U
Tetrachloroethane, 1,1,2,2-	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	3.4 U	1.4 U	1.4 U	1.4 U	6.9 U
Tetrachloroethene	0.63 J	0.54 J	0.79 J	0.54 J	0.54 J	0.47 J	0.61 J	0.79 J	0.95 J	1.6	2.4	1.8	2.0 J	3.8	13 J	4.5	6.8 U
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	1.1 U	1.1 U	0.47 J	1.1 U	2.7 UJ	16 J	1.1 U	1.2	140 J
Thiophene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	1.7 U	0.69 U	0.69 U	0.69 U	3.4 U
Trans-1,2-dichloroethene	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	2.0 U	0.79 U	0.79 U	0.79 U	4.0 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	0.65 J	0.60 J	0.57 J	0.61 J	0.58 J	0.54 J	0.65 J	0.80 J	0.69 J	1.0 J	0.65 J	0.54 J	3.8 U	0.61 J	0.54 J	0.61 J	7.7 U
Trichlorobenzene, 1,2,4-	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.7 U	1.5 U	1.5 U	1.5 U	7.4 U
Trichloroethane, 1,1,1-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	0.30 J	1.1 U	1.1 U	1.1 U	1.1 U	5.4 U
Trichloroethane, 1,1,2-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.7 U	1.1 U	1.1 U	1.1 U	5.4 U
Trichloroethene	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.7 U	1.1 U	1.1 U	1.1 U	5.4 U
Trichlorofluoromethane	1.6	1.6	1.6	1.6	1.8	1.6	1.7	1.8	2.4	2.0	2.6	2.2	3.0	2.5	1.5 J	3.0	5.6 U
Trimethylbenzene, 1,2,3-	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	2.5 U	9.5	0.98 U	2.0	310
Trimethylbenzene, 1,2,4-	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.29 J	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	2.5 U	22 J	0.29 J	4.9	240
Trimethylbenzene, 1,3,5-	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	2.5 U	16	0.98 U	1.9	190
Trimethylpentane, 2,2,4-	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	2.3 U	0.93 U	0.28 J	0.61 J	4.7 U
Undecane, n-	1.3 U	1.3 U	1.3 U	1.3 U	0.65 J	1.3 U	0.78 J	0.59 J	1.3 U	1.3 U	1.3 U	1.3 U	3.2 U	1.3 UJ	1.3 U	6.8	740
Vinyl bromide	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	2.2 U	0.87 U	0.87 U	0.87 U	4.4 U
Vinyl chloride	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	1.3 U	0.51 U	0.51 U	0.51 U	2.6 U
Other (%)																	
Carbon Dioxide	1.57	5.82	1.95	1.92	1.75	2.05	1.91	2.31	3.2	4.43	5.42	5.4	4.07	NA	NA	NA	NA
Helium	0.0157	0.0176	0.0164	0.0188	0.0182	0.0213	0.0182	0.0214	0.0182 U	0.0196	0.094	0.00409 U	0.0167 U	0.02	0.0195 U	0.0142 U	0.0222

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG29 3/13/2009	OU2SG-29 9/25/2009	OU2SG30 8/13/2008	OU2SG30 9/23/2008	OU2SG30 12/30/2008	OU2SG30 3/13/2009	OU2SG-30 6/25/2009	OU2SG-30 9/25/2009	OU2SG31 3/19/2009	OU2SG-31A 3/31/2009	OU2SG-31P 3/31/2009	OU2SG-31A 4/1/2009	OU2SG-31P 4/1/2009	OU2SG-31 4/2/2009	OU2SG-31 4/3/2009	OU2SG-31 4/4/2009	OU2SG-31 4/5/2009	
BTEX (ug/m3)																		
Benzene	6.4 U	1.3 U	3.2 U	0.64 U	0.64 U	0.64 U	0.64 U	1.3 U	0.64 U	0.43 J	0.64 U	0.64 U	0.64 U	0.64 U	0.22 J	1.3	0.64 U	
Toluene	63	1.3 J	3.8 U	1.2 J	1.2	1.2	1.5	1.4 J	1.1	6.0	1.0	0.84	0.72 J	0.80	1.4	220	1.1	
Ethylbenzene	190	7.9	4.3 U	1.1 J	1.3	1.2	1.1	1.7 U	0.27 J	0.92 J	0.23 J	0.87 U	0.87 U	0.87 U	0.25 J	4.4	0.27 J	
Xylene, m,p-	860	17	8.7 U	6.1 J	6.1	5.8	2.6	3.5 U	0.93 J	3.0	0.71 J	0.57 J	0.58 J	0.58 J	0.82 J	6.8	0.80 J	
Xylene, o-	440	10	4.3 U	2.5 J	3.0	2.6	1.2	1.7 U	0.25 J	0.88	0.25 J	0.87 U	0.87 U	0.87 U	0.25 J	2.4	0.26 J	
Other VOCs (ug/m3)																		
Acetaldehyde	18 U	4.9 J	37 J	22 J	6.5	5.3	2.7 J	9.0 U	2.1 U	4.5 U	1.8 UJ	1.8 U	3.6 U	4.3 U	3.6 U	3.6 UJ	3.5 J	
Acetone	24 U	4.8 U	6.5 UJ	2.8 J	7.8	2.8 U	6.0 U	6.5 UJ	2.4 U	16 J	4.6 J	3.6 U	4.1 U	4.3 U	5.2 U	1.8 UJ	4.8 J	
Acrolein (propenal)	4.6 U	2.3 U	2.3 U	0.46 U	0.46 U	0.46 U	1.2 U	2.3 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	2.7	0.46 U	
Allyl chloride	6.3 U	1.2 U	3.1 U	0.63 U	0.63 U	0.63 U	0.63 U	1.2 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	
Benzo(a)anthracene	11 U	2.2 U	5.5 U	1.1 U	1.1 UJ	1.1 U	4.0	2.2 U	1.1 U	2.7 U	2.7 U	14 UJ	14 UJ	14 UJ	14 UJ	14 UJ	14 UJ	
Bromodichloromethane	13 U	2.7 U	6.7 U	1.3 U	1.3 U	1.3 U	1.3 U	2.7 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	
Bromoform	21 U	4.1 U	10 U	2.1 U	2.1 U	2.1 U	2.1 U	4.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	
Bromomethane	7.8 U	1.6 U	3.9 U	0.78 U	0.78 U	0.78 U	0.78 U	1.6 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	
Butadiene, 1,3-	4.4 U	0.88 U	2.2 U	0.44 U	0.44 U	0.44 U	0.44 U	0.88 U	0.44 U	0.44 UJ	0.44 UJ	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	
Butane	1.5 J	0.57 J	7.0	0.48 U	0.48 U	0.48 U	0.48 U	0.95 U	0.41 J	0.48 U	0.54	0.28 J	0.30 J	0.42 J	1.1	2.8	0.67	
Butanone, 2-	5.9 U	1.2 U	1.2 J	0.97 J	1.4	0.57 J	0.44 J	0.77 J	0.64	3.3	1.2	0.93	0.98	1.0	1.2	3.6	0.93	
Carbon disulfide	6.2 U	0.44 J	3.0 U	0.75 J	0.45 J	0.63 U	1.8	1.2 U	0.31 J	31	0.62 U	6.0	4.4	7.2	6.5	2.9	5.8	
Carbon tetrachloride	13 U	2.5 U	6.3 U	1.3 U	1.3 U	1.3 U	1.3 U	2.5 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	
Chlorobenzene	9.2 U	1.8 U	4.6 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	
Chloroethane	5.3 U	1.0 U	2.6 U	0.53 U	0.53 U	0.53 U	0.53 U	1.0 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	
Chloroform	9.8 U	0.78 J	6.3	3.6 J	1.5	1.4	1.6	1.2 J	6.7	5.8	5.8	6.3	5.7	5.8	5.8	2.9	6.1	
Chloromethane	4.1 U	0.82 U	2.1 U	0.12 J	0.20 J	0.11 J	0.12 J	0.83 U	0.41 U	0.41 U	0.41 U	0.12 J	0.11 J	0.15 J	0.15 J	0.75	0.11 J	
Chlorotoluene, 2-	10 U	2.1 U	5.2 U	1.0 U	1.0 U	1.0 U	1.0 U	2.1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
Cryofluorane	14 U	2.8 U	7.0 U	1.4 U	1.4 U	1.4 U	1.4 U	2.8 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	
Cyclohexane	6.9 U	1.4 U	3.4 U	0.69 U	0.69 U	0.69 U	0.69 U	1.4 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.47 J	5.0	0.51 J
Decane, n-	2300	30 J	16	12 J	4.8	2.4	0.81 J	2.3 U	0.97 J	2.7	1.0 J	0.63 J	0.69 J	0.81 J	0.94 J	16	1.0 J	
Dibromochloromethane	17 U	3.4 U	8.5 U	1.7 U	1.7 U	1.7 U	1.7 U	3.4 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	
Dibromoethane, 1,2-	15 U	3.1 U	7.7 U	1.5 U	1.5 U	1.5 U	1.5 U	3.1 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	
Dichlorobenzene, 1,2-	12 U	2.4 U	6.0 U	1.2 U	1.2 U	1.2 U	1.2 U	2.4 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	
Dichlorobenzene, 1,3-	12 U	2.4 U	6.0 U	1.2 U	1.2 U	1.2 U	1.2 U	2.4 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	
Dichlorobenzene, 1,4-	12 U	2.4 U	6.0 U	1.2 U	1.2 U	1.2 U	1.2 U	2.4 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	
Dichlorodifluoromethane	9.9 U	3.0	3.5 J	3.5 J	2.6	1.9	2.2	1.5 J	2.5	2.6	2.6	2.9	2.7	2.9	2.9	2.7	2.7	
Dichloroethane, 1,1-	8.1 U	1.6 U	4.0 U	0.81 U	0.81 U	0.81 U	0.81 U	1.6 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	
Dichloroethane, 1,2-	8.1 U	1.6 U	4.0 U	0.81 U	0.81 U	0.81 U	0.81 U	1.6 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	
Dichloroethene, 1,1-	7.9 U	1.6 U	4.0 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	
Dichloroethene, cis-1,2-	7.9 U	1.6 U	4.0 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	
Dichloropropane, 1,2-	9.2 U	1.8 U	4.6 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	
Dichloropropene, cis-1,3	9.1 U	1.8 U	4.5 U	0.91 U	0.91 U	0.91 U	0.91 U	1.8 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	
Dichloropropene, trans-1,3	9.1 U	1.8 U	4.5 U	0.91 U	0.91 U	0.91 U	0.91 U	1.8 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	
Dioxane, 1,4-	7.2 U	1.4 U	3.6 U	0.72 U	0.72 U	0.72 U	0.72 U	1.4 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	
Dodecane, n-	400 J	2.8 UJ	8.4	5.0 J	2.4 J	1.5 J	2.2	0.84 J	1.6 J	1.5 J	0.80 J	0.96 J	1.0 J	0.98 J	1.4	2.3	2.3	
Ethanol	5.1 J	5.0 U	13	4.0 J	1.2 J	1.4 J	1.3 J	3.8 U	6.4	16	7.4	5.1	6.5	5.3	4.5	18	3.1	
Ethylthiophene, 2-	9.2 U	1.8 U	4.6 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG29 3/13/2009	OU2SG-29 9/25/2009	OU2SG30 8/13/2008	OU2SG30 9/23/2008	OU2SG30 12/30/2008	OU2SG30 3/13/2009	OU2SG-30 6/25/2009	OU2SG-30 9/25/2009	OU2SG31 3/19/2009	OU2SG-31A 3/31/2009	OU2SG-31P 3/31/2009	OU2SG-31A 4/1/2009	OU2SG-31P 4/1/2009	OU2SG-31 4/2/2009	OU2SG-31 4/3/2009	OU2SG-31 4/4/2009	OU2SG-31 4/5/2009
Ethyltoluene, p-	250	18	4.9 U	1.1 J	1.5	1.7	0.84 J	2.0 U	0.98 U	0.28 J	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Heptane, n-	8.6 J	1.6 U	4.1 U	0.82 U	0.82 U	0.82 UJ	0.82 U	1.6 U	0.29 J	2.8	0.89	2.1	0.61 J	0.82 U	1.9	3.3	1.4
Hexachlorobutadiene	21 U	4.3 U	11 U	2.1 U	2.1 U	2.1 U	2.1 U	4.3 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Hexane, n-	7.0 U	1.4 U	3.5 U	0.70 U	0.70 U	0.70 U	0.70 U	1.4 U	0.70 U	0.22 J	0.70 U	0.70 U	0.70 U	0.70 U	0.54 J	2.1	0.98
Hexanone, 2-	8.2 U	1.6 U	4.1 U	0.82 U	0.82 U	0.82 U	0.82 U	1.6 U	0.82 U	2.0 U	2.0 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	120	6.3	4.8 U	0.68 J	1.4	1.5	14	1.9 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U
Indene	9.5 U	1.9 U	4.8 U	0.95 U	0.95 U	0.95 U	1.1	1.9 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	7.2 U	1.4 U	3.6 U	0.72 U	0.72 U	0.72 U	0.72 U	1.4 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Methyl-2-pentanone, 4-	8.2 U	1.6 U	4.1 U	0.82 U	0.82 U	0.82 UJ	0.82 U	1.6 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Methylene chloride	17 U	3.5 U	2.4 UJ	0.69 U	1.7 U	1.7 U	0.45 J	3.5 U	1.7 U	1.7 U	1.7 U	1.8 U	1.7 U	1.7 U	2.4 U	10	1.7 U
Methylnaphthalene, 1-	14	2.3 UJ	5.8 U	1.2 U	1.1 J	0.45 J	3.8 J	2.3 UJ	1.2 U	2.9 UJ	2.9 UJ	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U
Methylnaphthalene, 2-	18	2.3 U	5.8 U	1.2 U	1.1 J	1.2 U	5.6 J	2.3 U	1.2 U	2.9 UJ	2.9 UJ	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U
Methylthiophene, 2-	8.0 U	1.6 U	4.0 U	0.80 U	0.80 U	0.80 U	2.0 U	1.6 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Methylthiophene, 3-	8.0 U	1.6 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	1.6 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Naphthalene	10 U	2.1 U	5.2 U	0.31 J	0.51 J	0.63 J	52	2.1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.56 J
Nonane	2400	22 J	5.2 U	8.0 J	3.8	3.6	1.0 U	2.1 U	0.30 J	0.90 J	0.28 J	1.0 U	1.0 U	1.0 U	0.33 J	11	1.0 UJ
Octane, n-	390	3.4	70	7.9 J	0.53 J	0.79 J	0.93 U	1.9 U	0.93 U	0.53 J	0.93 U	0.93 U	0.93 U	0.93 U	0.41 J	1.5	0.26 J
Pentane	5.9 U	1.2 U	3.0 U	0.59 U	0.59 U	0.59 U	0.59 U	1.2 U	0.45 J	0.29 J	0.62	0.59 U	0.24 J	0.25 J	0.83	2100	1.2
Propanol, 2-	12 U	1.3 J	2.4 U	0.49 U	0.49 U	1.2 UJ	1.2 U	2.0 J	1.2 U	2.4	1.2 J	1.1	1.1	0.73	0.77 U	13	0.49 U
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	8.5 U	1.7 U	4.3 U	0.85 U	0.85 U	0.85 U	0.85 U	1.7 U	0.85 U	0.34 J	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	5.3	0.85 U
t-Butyl alcohol	15 U	0.55 J	3.0 UJ	0.61 U	0.61 U	1.5 U	0.21 J	1.2	0.25 J	0.20 J	0.61 U	0.31 J	0.31 J	0.22 J	0.20 J	0.51 J	0.24 J
Tetrachloroethane, 1,1,2,2-	14 U	2.7 U	6.9 U	1.4 U	1.4 U	1.4 U	1.4 U	2.7 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Tetrachloroethene	14 U	3.0	48	52 J	5.8	3.5	26	29	0.43 J	0.64 J	1.4 U	0.50 J	0.40 J	0.45 J	0.56 J	4.4	0.72 J
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	280	14	5.5 U	1.8 J	3.6	5.9	9.4 J	2.2 U	1.1 U	0.43 J	2.7 U	5.5 U	5.5 U	1.0 J	0.71 J	0.87 J	0.38 J
Thiophene	6.9 U	1.4 U	3.4 U	0.69 U	0.69 U	0.69 U	0.69 U	1.4 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Trans-1,2-dichloroethene	7.9 U	1.6 U	4.0 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.45 J	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	15 U	3.1 U	7.7 U	1.0 J	0.62 J	1.5 U	0.92 J	0.92 J	0.48 J	0.46 J	0.47 J	0.54 J	0.59 J	0.54 J	0.57 J	0.54 J	0.64 J
Trichlorobenzene, 1,2,4-	15 U	3.0 U	7.4 U	1.5 U	1.5 UJ	1.5 U	0.44 J	3.0 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Trichloroethane, 1,1,1-	11 U	2.2 U	5.4 U	1.5 J	0.53 J	1.1 U	0.98 J	1.5 J	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethane, 1,1,2-	11 U	2.2 U	5.4 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethene	11 U	2.2 U	5.4 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	0.38 J	1.1 U
Trichlorofluoromethane	11 U	3.0 J	2.5 J	2.6 J	2.7	1.7	3.3	2.9 J	1.9	2.0	2.0	2.3	2.2	2.1	2.1	1.9	2.4
Trimethylbenzene, 1,2,3-	770	17 J	4.9 U	2.2 J	6.6	7.6	2.4	2.0 U	0.39 J	0.38 J	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.57 J	0.98 U
Trimethylbenzene, 1,2,4-	440	21	4.9 U	5.9 J	3.9 J	3.4	1.0 J	2.0 U	0.98 U	0.92 J	0.30 J	0.98 U	0.26 J	0.29 J	0.33 J	1.1	0.38 J
Trimethylbenzene, 1,3,5-	390	20	4.9 U	2.0 J	5.1	4.8	0.69 J	2.0 U	0.98 U	0.26 J	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.47 J	0.98 U
Trimethylpentane, 2,2,4-	9.3 U	1.9 U	4.7 U	0.93 U	0.93 U	0.93 U	0.93 U	1.9 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.76 J	0.93 U
Undecane, n-	1000	2.6 UJ	6.4 U	6.5 J	2.2	1.2 J	0.57 J	2.6 U	0.80 J	1.3	0.66 J	0.51 J	0.49 J	0.56 J	0.68 J	6.1	1.2 J
Vinyl bromide	8.7 U	1.8 U	4.4 U	0.87 U	0.87 U	0.87 U	0.87 U	1.8 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl chloride	5.1 U	1.0 U	2.6 U	0.51 U	0.51 U	0.51 U	0.51 U	1.0 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Other (%)																	
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.632	0.495	2.56	2.49	2.61	2.58	1.61	2.69
Helium	0.0197 U	0.0033 U	0.0189 U	0.0171 U	0.0196	0.031 U	0.025	0.00344 U	0.037	0.0156 U	0.0179 U	0.018	0.0164	0.0169	0.0176	0.0166	0.02

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG-31 4/6/2009	OU2SG-31 4/10/2009	OU2SG-31 4/17/2009	OU2SG-31 4/24/2009	OU2SG-31 5/13/2009	OU2SG-31 6/16/2009	OU2SG-31 7/13/2009	OU2SG-31 8/10/2009	OU2SG-31 9/22/2009	OU2SG-32 3/18/2009	OU2SG-32A 3/31/2009	OU2SG-32P 3/31/2009	OU2SG-32A 4/1/2009	OU2SG-32P 4/1/2009	OU2SG-32 4/2/2009	OU2SG-32 4/3/2009
BTEX (ug/m3)																
Benzene	0.64 U	0.64 U	0.18 J	0.22 J	0.64 U	0.64 U	0.88 J	0.48 J	1.6 U	8.5	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U
Toluene	0.94	1.2	1.9	3.8	8.0	8.0	24 J	12	8.8	3.1	1.1	0.20 J	0.38 J	0.21 J	0.73 J	0.98
Ethylbenzene	0.26 J	0.30 J	0.35 J	0.57 J	1.2	0.88	3.2 J	1.4	0.98 J	3.6	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Xylene, m,p-	1.0 J	1.2 J	1.2 J	1.9	3.6	2.8	10 J	3.0	1.8 J	2.7	0.45 J	1.7 U	1.7 U	1.7 U	0.48 J	0.51 J
Xylene, o-	0.26 J	0.30 J	0.29 J	0.57 J	1.1	0.89	3.3 J	1.5	1.1 J	2.0	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Other VOCs (ug/m3)																
Acetaldehyde	3.6 U	3.6 UJ	4.5 UJ	4.5 UJ	4.5 UJ	5.2 U	19 J	10	7.3 U	1.8 UJ	1.8 UJ	2.1 U	1.8 U	3.6 U	3.6 U	3.6 U
Acetone	7.5 J	1.8 UJ	1.8 U	1.8 UJ	3.6 U	4.5 U	18 J	6.5 U	4.4 U	1.8 UJ	3.1 J	1.8 U	2.1 U	1.8 U	2.8 U	1.9 U
Acrolein (propenal)	0.46 U	0.46 U	0.46 UJ	0.46 U	1.2 U	0.45 J	0.33 J	1.2 U	2.9 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U
Allyl chloride	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	1.6 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
Benzothiophene	14 UJ	14 UJ	14 U	14 UJ	1.1 U	1.1 U	1.1 UJ	1.1 UJ	2.7 U	1.1 U	2.7 U	2.7 U	14 UJ	14 UJ	14 UJ	14 UJ
Bromodichloromethane	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	3.4 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	5.2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	1.9 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
Butadiene, 1,3-	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	1.1 U	0.26 J	0.44 UJ	0.44 UJ	0.44 U	0.44 U	0.44 U	0.44 U
Butane	1.2	2.6	6.4	6.1	0.76	0.48	0.65 J	0.69	1.2 U	61	0.95	0.44 J	0.39 J	0.58	0.42 J	0.85
Butanone, 2-	0.74	0.91	1.0	1.9	0.74	0.56 J	4.5 J	1.4	1.5 U	3.2	0.59 U	0.59 U	0.42 J	0.32 J	0.62	0.42 J
Carbon disulfide	8.7	9.8	28	48	94	78	79 J	8.0	5.9	8.5	0.62 U	0.62 U	1.9	0.62 U	1.5	3.2
Carbon tetrachloride	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	3.1 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Chlorobenzene	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	2.3 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Chloroethane	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	1.3 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U
Chloroform	6.7	6.2	6.8	5.8	5.3	5.4	7.3 J	9.3	4.0	44	8.1	7.4	6.7	6.8	6.4	6.1
Chloromethane	0.10 J	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.21 J	1.0 U	0.53	0.36 J	0.41 U	0.14 J	0.12 J	0.13 J	0.41 U
Chlorotoluene, 2-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.6 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cryofluorane	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	3.5 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Cyclohexane	2.1	15	98	160	35	0.91	1.6 J	0.31 J	1.7 U	5.6	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Decane, n-	0.70 J	0.76 J	0.91 J	2.0	2.9	1.2 U	1.2 UJ	3.9	2.9 U	29	0.34 J	1.2 U	1.2 U	1.2 U	0.33 J	0.48 J
Dibromochloromethane	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	4.3 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dibromoethane, 1,2-	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.8 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Dichlorobenzene, 1,2-	1.2 U	1.2 U	1.2 U	1.2 U	0.54 J	0.46 J	1.0 J	0.60 J	3.0 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,3-	1.2 U	1.2 U	1.2 U	1.2 U	0.36 J	0.33 J	0.76 J	1.2 U	3.0 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,4-	1.2 U	1.2 U	1.2 U	1.2 U	0.30 J	0.31 J	0.61 J	0.30 J	3.0 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorodifluoromethane	2.9	2.9	3.2	2.8	1.5	1.4	3.3 J	2.5	3.2	2.9	2.7	2.5	2.5	2.5	2.6	2.5
Dichloroethane, 1,1-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	2.0 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethane, 1,2-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	2.0 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethene, 1,1-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	2.0 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloroethene, cis-1,2-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	2.0 U	1.2	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloropropane, 1,2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	2.3 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Dichloropropene, cis-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	2.3 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dichloropropene, trans-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	2.3 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dioxane, 1,4-	0.72 U	0.72 U	0.72 U	0.72 U	0.72 UJ	0.72 UJ	0.72 U	0.72 U	1.8 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Dodecane, n-	1.2 J	1.0 J	1.2 J	2.8 J	4.6	0.63 J	2.4 J	3.3	1.2 J	6.0 J	0.38 J	3.5 U	0.36 J	0.37 J	1.0 J	0.50 J
Ethanol	2.0	2.7	4.4	5.3	6.2	4.6 U	12 J	4.2	2.6 J	6.6	3.5 J	3.4 J	3.2	1.2 J	2.0	1.9
Ethylthiophene, 2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	2.3 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name:	OU2SG-31 4/6/2009	OU2SG-31 4/10/2009	OU2SG-31 4/17/2009	OU2SG-31 4/24/2009	OU2SG-31 5/13/2009	OU2SG-31 6/16/2009	OU2SG-31 7/13/2009	OU2SG-31 8/10/2009	OU2SG-31 9/22/2009	OU2SG32 3/18/2009	OU2SG-32A 3/31/2009	OU2SG-32P 3/31/2009	OU2SG-32A 4/1/2009	OU2SG-32P 4/1/2009	OU2SG-32 4/2/2009	OU2SG-32 4/3/2009
Ethyltoluene, p-	0.98 U	0.98 U	0.98 U	0.98 U	0.49 J	0.39 J	1.4 J	0.64 J	2.5 U	2.4	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Heptane, n-	0.82 U	1.1	0.49 J	0.82 U	0.82 U	0.82 U	1.4 J	0.82 U	2.0 U	8.1 J	3.2	0.63 J	0.66 J	0.29 J	0.82 U	0.86
Hexachlorobutadiene	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	5.3 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Hexane, n-	2.9	9.1	13	4.6	0.88	0.38 J	1.1 J	0.35 J	1.8 U	12	0.29 J	0.70 U	0.70 U	0.70 U	0.70 U	0.47 J
Hexanone, 2-	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	1.7 J	0.82 U	2.0 U	0.82 U	2.0 U	2.0 U	0.82 U	0.82 U	0.82 U	0.82 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	0.97 U	0.97 U	0.97 U	0.97 U	0.39 J	0.36 J	1.3 J	0.72 J	2.4 U	3.2	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U
Indene	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	2.4 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.28 J	0.95 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	1.8 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Methyl-2-pentanone, 4-	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	2.0 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Methylene chloride	1.7 U	1.7 U	1.7 U	2.8 U	0.59 J	1.7 U	1.7 UJ	0.52 J	4.3 U	1.8 U	1.7 U	1.7 U	1.7 U	1.7 U	2.1 U	2.5 U
Methylnaphthalene, 1-	5.8 U	5.8 U	14 U	14 UJ	1.2 U	1.2 U	0.46 J	1.2 U	2.9 U	1.2 U	2.9 UJ	2.9 UJ	5.8 U	5.8 U	5.8 U	5.8 U
Methylnaphthalene, 2-	5.8 U	5.8 U	14 U	14 UJ	1.2 U	1.2 U	0.96 J	1.2 U	2.9 U	1.2 U	2.9 UJ	2.9 UJ	5.8 U	5.8 U	5.8 U	5.8 U
Methylthiophene, 2-	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	2.0 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Methylthiophene, 3-	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	2.0 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Naphthalene	1.0 U	1.0 U	1.0 U	1.0 U	0.94 J	0.69 J	1.6 J	1.0 J	2.6 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	0.58 J	1.0 U
Nonane	1.0 U	1.0 U	0.34 J	0.62 J	0.63 J	1.0 U	0.88 J	0.37 J	2.6 U	10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.29 J
Octane, n-	0.93 U	0.93 U	0.37 J	0.42 J	0.37 J	0.93 U	0.51 J	0.93 U	2.3 U	29	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.36 J
Pentane	3.0	8.4	22	20	1.7	0.57 J	0.57 J	0.71	1.5 U	44	3.0	0.35 J	0.37 J	0.36 J	0.42 J	0.63
Propanol, 2-	0.49 U	0.49 U	0.60	1.0 U	1.2 U	1.2 U	0.54 J	0.54 U	3.0 U	1.2 UJ	1.0 J	1.2 U	1.7	0.94	1.2	0.81 U
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.85 U	0.85 U	0.85 U	0.23 J	0.43 J	0.34 J	1.3 J	0.64 J	2.1 U	0.90	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U
t-Butyl alcohol	0.24 J	0.61 U	0.61 U	0.18 J	0.39 J	0.44 J	0.65 J	0.61 U	1.5 U	0.45 J	0.61 U	0.61 U	0.32 J	0.33 J	0.29 J	0.30 J
Tetrachloroethane, 1,1,2,2-	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	3.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Tetrachloroethene	0.61 J	0.61 J	0.68 J	0.70 J	1.3 J	1.7 U	4.1 J	3.8	2.7 J	0.62 J	1.0 J	0.54 J	0.34 J	0.35 J	0.42 J	0.40 J
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	0.60 J	5.5 U	5.5 U	5.5 U	0.77 J	0.69 J	2.1 J	1.3 J	0.96 J	24	0.50 J	2.7 U	5.5 U	0.61 J	5.5 U	5.5 U
Thiophene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	1.7 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Trans-1,2-dichloroethene	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	2.0 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	0.61 J	0.61 J	0.70 J	0.57 J	0.69 J	0.65 J	0.70 J	0.54 J	3.8 U	0.54 J	0.52 J	0.51 J	0.68 J	0.64 J	0.60 J	0.60 J
Trichlorobenzene, 1,2,4-	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.7 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	0.47 J	1.5 U
Trichloroethane, 1,1,1-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	0.43 J	1.1 U	2.7 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethane, 1,1,2-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.7 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethene	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	0.54 J	2.7 U	0.54 J	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichlorofluoromethane	2.4	2.3	2.4	2.1	2.5	2.5	3.9 J	4.2	4.6	2.9	3.1	2.9	3.2	3.2	3.5	3.9
Trimethylbenzene, 1,2,3-	0.98 U	0.98 U	0.98 U	0.37 J	0.79 J	0.66 J	2.4 J	1.3	0.74 J	2.0	0.98 U	0.98 U	0.98 U	0.98 U	0.29 J	0.98 U
Trimethylbenzene, 1,2,4-	0.98 U	0.25 J	0.30 J	0.76 J	1.7	1.5	4.0 J	2.2	1.5 J	15	0.98 U	0.98 U	0.98 U	0.98 U	0.32 J	0.98 U
Trimethylbenzene, 1,3,5-	0.98 U	0.98 U	0.98 U	0.98 U	0.49 J	0.34 J	1.3 J	0.98 U	2.5 U	13	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Trimethylpentane, 2,2,4-	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	2.3 U	0.93 UJ	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U
Undecane, n-	0.77 J	0.70 J	0.79 J	1.7	1.3 U	1.3 U	1.3 UJ	1.3 UJ	3.2 U	9.7	0.53 J	1.3 U	1.3 U	1.3 U	0.44 J	0.34 J
Vinyl bromide	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	2.2 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl chloride	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	1.3 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Other (%)																
Carbon Dioxide	2.75	2.7	2.72	2.6	4.03	4.38	8.35	10.1	9.03	NA	0.395	0.42	2.36	2.34	2.43	2.51
Helium	0.0153	NA	0.0178	0.0183	0.0176 U	0.052	0.0238 U	0.0201 U	0.21	0.0177 U	0.0192 U	0.0183 U	0.016	0.0189	0.017	0.0192

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name:	OU2SG-32 Sample Date: 4/4/2009	OU2SG-32 4/5/2009	OU2SG-32 4/6/2009	OU2SG-32 4/10/2009	OU2SG-32 4/17/2009	OU2SG-32 4/24/2009	OU2SG-32 5/13/2009	OU2SG-32 6/16/2009	OU2SG-32 7/13/2009	OU2SG-32 8/10/2009	OU2SG-32 9/22/2009	OU2SG38 12/30/2008	OU2SG-38a 1/20/2009	OU2SG-38p 1/20/2009	OU2SG-38a 1/21/2009	OU2SG-38p 1/21/2009
BTEX (ug/m3)																
Benzene	0.64 U	0.64 U	0.64 U	0.20 J	0.23 J	0.34 J	0.64 U	0.75 U	6.4 U	0.64 U	1.6 U	0.64 U	0.53 J	0.64 U	0.64 U	0.64 U
Toluene	1.0	1.0	0.98	1.8	1.7	2.7	5.4	6.9	13	2.0	0.85 J	0.78	1.6	0.49 J	0.63 J	0.85
Ethylbenzene	0.87 U	0.87 U	0.30 J	0.33 J	0.37 J	0.50 J	0.78 J	1.0	8.7 U	1.0	2.2 U	0.24 J	0.87 U	0.87 U	0.87 U	0.87 U
Xylene, m,p-	0.55 J	0.61 J	1.1 J	1.0 J	1.1 J	1.5 J	2.5	1.8	4.5 J	1.8	4.3 U	0.80 J	0.56 J	0.35 J	0.39 J	0.46 J
Xylene, o-	0.87 U	0.87 U	0.30 J	0.32 J	0.36 J	0.49 J	0.91	1.1	8.7 U	1.2	2.2 U	0.30 J	0.87 U	0.87 U	0.87 U	0.87 U
Other VOCs (ug/m3)																
Acetaldehyde	3.6 U	3.6 U	1.6 U	3.6 U	4.5 U	4.5 U	4.5 UJ	4.5 UJ	45 U	6.6 U	4.5 UJ	4.0 J	1.8 UJ	1.8 UJ	3.2 U	1.8 UJ
Acetone	2.5 U	2.4 J	2.2	2.7 U	3.7 J	5.5	3.0 U	4.2 U	12 J	4.9 U	3.6 U	1.7 U	5.3 U	1.6 U	1.2 U	1.2 UJ
Acrolein (propenal)	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	1.2 U	0.38 J	11 U	1.2 U	2.9 U	0.46 U	0.13 J	0.46 U	0.46 U	0.46 U
Allyl chloride	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	6.3 U	0.63 U	1.6 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
Benzo[thiophene]	14 UJ	14 UJ	14 U	14 UJ	14 U	14 UJ	1.1 U	1.1 U	11 UJ	1.1 UJ	2.7 U	1.1 UJ	1.1 U	1.1 U	1.1 U	1.1 U
Bromodichloromethane	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	13 U	1.3 U	3.4 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	21 U	2.1 U	5.2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	7.8 U	0.78 U	1.9 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
Butadiene, 1,3-	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	4.4 U	0.44 U	1.1 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Butane	0.43 J	0.67	0.36 J	0.33 J	0.45 J	0.40 J	0.48 U	1.0	4.8 U	0.33 J	1.8	0.48 U	4.7	0.62	1.7	2.5
Butanone, 2-	0.55 J	0.62	0.65	0.65	0.80	0.79	0.50 J	1.0	5.9 U	0.74	1.5 U	0.59 U	1.2	0.59 U	0.59 U	0.59 U
Carbon disulfide	4.2	4.8	5.4	9.9	9.2	16	35	23	170 J	9.0	1.9	0.16 J	0.62 U	0.62 U	0.62 U	0.62 U
Carbon tetrachloride	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	13 U	1.3 U	3.1 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Chlorobenzene	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	9.2 U	0.92 U	2.3 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Chloroethane	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	5.3 U	0.53 U	1.3 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U
Chloroform	6.0	6.2	6.0	4.8	4.6	11	2.8	2.5	3.4 J	4.0	4.2	0.86 J	0.40 J	0.59 J	0.54 J	0.51 J
Chloromethane	0.41 U	0.10 J	0.41 U	0.12 J	0.12 J	0.41 U	0.41 U	0.41 U	4.1 U	0.41 U	1.0 U	0.19 J	0.44	0.41 U	0.41 U	0.41 U
Chlorotoluene, 2-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	1.0 U	2.6 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U
Cryofluorane	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	14 U	1.4 U	3.5 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Cyclohexane	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.18 J	6.9 U	0.21 J	1.7 U	0.69 U	0.69 U	0.69 U	2.1	3.3
Decane, n-	0.42 J	0.47 J	0.47 J	0.58 J	0.69 J	1.2	1.2 UJ	1.2 U	12 U	5.0	2.9 U	1.2	0.54 J	0.73 J	0.60 J	0.79 J
Dibromochloromethane	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	17 U	1.7 U	4.3 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dibromoethane, 1,2-	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	15 U	1.5 U	3.8 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Dichlorobenzene, 1,2-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	12 U	1.2 U	3.0 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,3-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	12 U	1.2 U	3.0 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,4-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.31 J	12 U	1.2 U	3.0 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorodifluoromethane	2.8	2.7	2.7	2.6	2.8	2.7	1.1	0.98 J	3.2 J	2.6	3.2	2.9	3.0	3	3.2	2.8
Dichloroethane, 1,1-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	8.1 U	0.81 U	2.0 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethane, 1,2-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	8.1 U	0.81 U	2.0 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethene, 1,1-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	7.9 U	0.79 U	2.0 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloroethene, cis-1,2-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	7.9 U	0.79 U	2.0 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloropropane, 1,2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	9.2 U	0.92 U	2.3 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Dichloropropene, cis-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	9.1 U	0.91 U	2.3 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dichloropropene, trans-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	9.1 U	0.91 U	2.3 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dioxane, 1,4-	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 UJ	0.72 UJ	7.2 U	0.72 U	1.8 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Dodecane, n-	0.46 J	0.42 J	0.49 J	0.49 J	0.72 J	1.2 J	1.5	3.8	5.4 J	1.4 U	3.0 J	1.6 J	1.4 U	2.4	1.4 U	0.81 J
Ethanol	2.0	1.4 J	1.2 J	1.5 J	3.1	2.7	3.9	3.8 U	19 U	1.3 J	4.7 U	7.2	6.6	3.3	2.9	5.0
Ethylthiophene, 2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	9.2 U	0.92 U	2.3 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG-32 4/4/2009	OU2SG-32 4/5/2009	OU2SG-32 4/6/2009	OU2SG-32 4/10/2009	OU2SG-32 4/17/2009	OU2SG-32 4/24/2009	OU2SG-32 5/13/2009	OU2SG-32 6/16/2009	OU2SG-32 7/13/2009	OU2SG-32 8/10/2009	OU2SG-32 9/22/2009	OU2SG38 12/30/2008	OU2SG-38a 1/20/2009	OU2SG-38p 1/20/2009	OU2SG-38a 1/21/2009	OU2SG-38p 1/21/2009
Ethyltoluene, p-	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	9.8 U	0.98 U	2.5 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Heptane, n-	0.50 J	1.3	0.82 U	0.21 J	0.36 J	0.49 J	0.82 U	1.1	8.2 U	0.82 U	2.0 U	0.82 U	0.46 J	0.82 U	0.34 J	1.4
Hexachlorobutadiene	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	21 U	2.1 U	5.3 U	2.1 U	2.1 UJ	2.1 UJ	2.1 U	2.1 U
Hexane, n-	0.21 J	0.28 J	0.70 U	0.70 U	0.29 J	0.43 J	0.35 J	1.2	7.0 U	0.25 J	1.8 U	0.70 U	1.1	0.18 J	2.7	5.1
Hexanone, 2-	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.80 J	8.2 U	0.82 U	2.0 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.29 J	0.48 J	9.7 U	0.53 J	2.4 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U
Indene	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	9.5 U	0.95 U	2.4 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	7.2 U	0.72 U	1.8 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Methyl-2-pentanone, 4-	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.44 J	0.82 U	0.82 U	8.2 U	0.82 U	2.0 U	0.72 J	0.82 U	0.82 U	0.82 U	0.82 U
Methylene chloride	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	12	0.90 J	1.7 U	17 UJ	1.7 U	4.3 U	1.7 U	0.82 U	0.69 U	0.69 U	0.69 U
Methylnaphthalene, 1-	5.8 U	5.8 U	5.8 U	5.8 U	14 U	14 UJ	1.2 U	1.2 U	12 UJ	1.2 U	2.9 U	R	5.8 UJ	5.8 UJ	5.8 U	5.8 U
Methylnaphthalene, 2-	5.8 U	5.8 U	5.8 U	5.8 U	14 U	14 UJ	1.2 U	1.2 U	12 U	1.2 U	2.9 U	14 UJ	5.8 U	5.8 U	5.8 U	5.8 U
Methylthiophene, 2-	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	8.0 U	0.80 U	2.0 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Methylthiophene, 3-	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	8.0 U	0.80 U	2.0 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Naphthalene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.63 J	0.74 J	3.5 J	0.37 J	2.6 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U
Nonane	1.0 U	1.0 U	1.0 U	0.27 J	0.27 J	0.47 J	1.0 U	0.77 J	10 U	1.0 U	2.6 U	0.37 J	1.0 U	1 U	1.0 U	1.0 U
Octane, n-	0.93 U	0.23 J	0.23 J	0.24 J	0.26 J	0.35 J	0.93 U	1.1	9.3 U	0.93 U	2.3 U	0.28 J	0.55 J	0.37 J	0.93 U	0.93 U
Pentane	0.43 J	0.47 J	0.32 J	0.34 J	0.39 J	0.39 J	0.32 J	1.1	5.9 U	0.29 J	1.5 U	0.59 U	3.1	0.59 U	2.6	3.3
Propanol, 2-	0.67 U	0.66	0.76	0.70 B	1.0	0.93 U	1.2 U	1.7 U	12 U	1.6 U	3.0 U	0.88 UJ	1.2 U	1.2 U	1.2 U	2.5
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.60 J	0.55 J	8.5 U	0.43 J	2.1 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U
t-Butyl alcohol	0.22 J	0.21 J	0.21 J	0.21 J	0.21 J	0.61 U	0.61 U	0.61 U	6.1 U	0.61 U	1.5 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U
Tetrachloroethane, 1,1,2,2-	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	14 U	1.4 U	3.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Tetrachloroethene	0.46 J	0.54 J	0.61 J	0.47 J	0.51 J	0.69 J	1.1 J	2.0 U	14 U	2.6	2.2 J	0.89 J	0.73 J	1.1 J	1.0 J	0.86 J
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	5.5 U	0.71 J	5.5 U	5.5 U	5.5 U	5.5 U	0.55 J	0.98 J	11 UJ	1.8 J	2.7 UJ	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Thiophene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	6.9 U	0.69 U	1.7 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Trans-1,2-dichloroethene	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	7.9 U	0.79 U	2.0 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	0.65 J	0.61 J	0.69 J	0.90 J	0.74 J	0.70 J	0.77 J	0.58 J	15 U	0.54 J	3.8 U	0.64 J	0.58 J	0.55 J	0.48 J	0.53 J
Trichlorobenzene, 1,2,4-	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	15 U	1.5 U	3.7 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Trichloroethane, 1,1,1-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	11 U	1.1 U	2.7 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethane, 1,1,2-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	11 U	1.1 U	2.7 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethene	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	11 U	1.1 U	2.7 U	1.1 U	2.2	1.1 U	1.1 U	1.1 U
Trichlorofluoromethane	4.8	4.1	4.5	4.4	3.4	6.2	13	20	44	36	20	2.5	1.8	1.9	1.9	1.8
Trimethylbenzene, 1,2,3-	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.29 J	0.59 J	1.0	9.8 U	1.6	2.5 U	0.48 J	0.98 U	0.98 U	0.98 U	0.98 U
Trimethylbenzene, 1,2,4-	0.98 U	0.98 U	0.98 U	0.33 J	0.40 J	0.66 J	1.5	1.9	9.8 U	1.0	2.5 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Trimethylbenzene, 1,3,5-	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.44 J	0.98 U	9.8 U	0.98 U	2.5 U	0.27 J	0.98 U	0.98 U	0.98 U	0.98 U
Trimethylpentane, 2,2,4-	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	9.3 U	0.93 U	2.3 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U
Undecane, n-	1.3 U	1.3 U	0.51 J	0.44 J	0.77 J	1.1 J	1.3 U	1.3 U	30	1.3 UJ	3.2 U	0.51 J	0.33 J	1.1 J	1.3 U	2.9
Vinyl bromide	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	8.7 U	0.87 U	2.2 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl chloride	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	5.1 U	0.51 U	1.3 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Other (%)																
Carbon Dioxide	2.74	2.71	2.74	2.9	2.8	3.31	5.75	8.58	12.6	12.3	8.26	NA	NA	NA	NA	NA
Helium	0.0158	0.0181	0.017	0.0182	0.0169	0.016	0.0161 U	0.035	0.0178 U	0.0269 U	0.0162 U	0.0188	0.014	0.015	0.015	0.03

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name:	OU2SG-38 Sample Date:	OU2SG-38 1/23/2009	OU2SG-38 1/25/2009	OU2SG-38 1/26/2009	OU2SG-38 1/30/2009	OU2SG-38 2/5/2009	OU2SG-38 2/13/2009	OU2SG-38 2/23/2009	OU2SG-38 3/25/2009	OU2SG-38 4/14/2009	OU2SG-38 5/11/2009	OU2SG-38 6/16/2009	OU2SG-38 7/30/2009	OU2SG-38 8/26/2009	OU2SG-38 9/23/2009	OU2SG39 12/30/2008	OU2SG-39a 1/20/2009
BTEX (ug/m3)																	
Benzene	0.64 U	0.20 J	0.64 U	0.64 U	0.64 U	0.64 U	3.2 U	1.6 U	0.18 J	0.64 U	0.64 U	0.36 J	0.19 J	3.2 U	1.6 U	0.21 J	3.2 U
Toluene	0.64 J	1.2	0.36 J	0.35 J	0.53 J	0.37 J	0.98 J	1.9 U	0.56 J	0.23 J	0.25 J	0.22 J	0.34 J	3.8 U	1.9 U	1.6	7.3
Ethylbenzene	0.87 U	0.28 J	0.87 U	0.87 U	0.87 U	0.28 J	0.87 U	4.3 U	1.2 J	0.87 UJ	0.87 U	0.87 U	0.87 U	4.3 U	2.2 U	0.80 J	22
Xylene, m,p-	0.43 J	0.85 J	0.33 J	0.29 J	0.39 J	1.7 U	8.7 U	4.3 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	8.7 U	4.3 U	4.0	130
Xylene, o-	0.87 U	0.32 J	0.87 U	0.87 U	0.32 J	0.87 U	4.3 U	2.2 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	4.3 U	2.2 U	1.6	66
Other VOCs (ug/m3)																	
Acetaldehyde	1.8 UJ	2.2 J	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ	22 UJ	4.5 UJ	1.8 UJ	3.6 UJ	4.5 UJ	4.5 U	15	22 U	9.7 U	4.2 J	9.0 UJ
Acetone	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ	5.9 UJ	3.0 UJ	1.8 UJ	1.8 UJ	1.8 U	2.4 U	6.9 U	11 U	3.6 U	2.7 U	6.8 U
Acrolein (propenal)	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	2.3 U	1.2 U	0.46 U	0.46 U	1.2 U	1.2 UJ	0.60 J	5.7 U	2.9 U	0.46 U	2.3 U
Allyl chloride	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	3.1 U	1.6 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	3.1 U	1.6 U	0.63 U	3.1 U
Benzo(a)thiophene	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	5.5 UJ	6.9 UJ	2.7 UJ	14 UJ	1.1 U	1.1 U	1.1 UJ	5.5 UJ	2.7 UJ	1.1 UJ	5.5 UJ
Bromodichloromethane	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	6.7 U	3.4 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	6.7 U	3.4 U	1.3 U	6.7 U
Bromoform	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	10 U	5.2 U	2.1 U	2.1 U	2.1 U	2.1 UJ	2.1 U	10 U	5.2 U	2.1 U	10 U
Bromomethane	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	3.9 U	1.9 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	3.9 U	1.9 U	0.78 U	3.9 U
Butadiene, 1,3-	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	2.2 UJ	1.1 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	2.2 U	1.1 U	0.44 U	2.2 U
Butane	1.3	0.60	8.7	10	36	66	69	37	4.4	1.1	0.94	0.48 U	0.48 U	2.4 U	1.2 U	0.90	2.4 U
Butanone, 2-	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	3.0 U	1.5 U	0.59 U	0.59 U	0.33 J	0.30 J	1.6	3.0 U	1.5 U	0.43 J	3.0 U
Carbon disulfide	0.62 U	0.62 U	0.62 U	0.62 U	0.18 J	0.16 J	3.1 U	1.6 U	0.62 U	0.62 U	0.29 J	2.3	3.8	2.1 U	1.6 U	0.58 J	3.1 U
Carbon tetrachloride	1.3 U	0.54 J	0.73 J	0.70 J	1.1 J	1.5	2.0 J	1.2 J	0.87 J	0.50 J	1.3 U	1.3 U	1.3 U	6.3 U	3.1 U	1.3 U	6.3 U
Chlorobenzene	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	4.6 U	2.3 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	4.6 U	2.3 U	0.92 U	4.6 U
Chloroethane	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	2.6 U	1.3 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	2.6 U	1.3 U	0.53 U	2.6 U
Chloroform	0.67 J	0.74 J	0.70 J	0.55 J	0.77 J	0.83 J	4.9 U	0.99 J	1.2	1.5	1.3	2.2	1.8	4.9 U	2.4 U	41	15
Chloromethane	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.11 J	2.1 U	1.0 U	0.41 U	0.41 U	0.12 J	0.11 J	0.14 J	2.1 U	1.0 U	0.29 J	2.1 U
Chlorotoluene, 2-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.2 U	2.6 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.2 U	2.6 U	1.0 U	5.2 U
Cryofluorane	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	7.0 U	3.5 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	7.0 U	3.5 U	1.4 U	7.0 U
Cyclohexane	2.2	1.2	6.6	9.3	56	99	150	130	61	12	2.5	0.69 U	0.69 U	3.4 U	1.7 U	0.69 U	3.4 U
Decane, n-	1.2 U	0.36 J	1.2 U	0.52 J	1.2 U	1.2 U	5.8 U	2.9 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	5.8 U	2.9 U	8.4	1200
Dibromochloromethane	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	8.5 U	4.3 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	8.5 U	4.3 U	1.7 U	8.5 U
Dibromoethane, 1,2-	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	7.7 U	3.8 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	7.7 U	3.8 U	1.5 U	7.7 U
Dichlorobenzene, 1,2-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	6.0 U	3.0 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	6.0 U	3.0 U	1.2 U	6.0 U
Dichlorobenzene, 1,3-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	6.0 U	3.0 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	6.0 U	3.0 U	1.2 U	6.0 U
Dichlorobenzene, 1,4-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	6.0 U	3.0 U	1.2 U	1.2 U	1.2 U	1.2 U	0.36 J	6.0 U	3.0 U	1.2 U	6.0 U
Dichlorodifluoromethane	3.0	2.1	2.9	2.6	1.7	1.6	2.8 J	1.4 J	1.2	1.2	0.99 U	0.46 J	0.79 J	4.9 U	0.74 J	5.1	5.1
Dichloroethane, 1,1-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	4.0 U	2.0 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	4.0 U	2.0 U	0.81 U	4.0 U
Dichloroethane, 1,2-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	4.0 U	2.0 UJ	0.81 UJ	0.81 U	0.81 U	0.81 U	0.81 U	4.0 U	2.0 U	0.81 U	4.0 U
Dichloroethene, 1,1-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	4.0 U	2.0 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	4.0 U	2.0 U	0.79 U	4.0 U
Dichloroethene, cis-1,2-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	4.0 U	2.0 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	4.0 U	2.0 U	0.79 U	4.0 U
Dichloropropane, 1,2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	4.6 U	2.3 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	4.6 U	2.3 U	0.92 U	4.6 U
Dichloropropene, cis-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	4.5 U	2.3 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	4.5 U	2.3 U	0.91 U	4.5 U
Dichloropropene, trans-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	4.5 U	2.3 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	4.5 U	2.3 U	0.91 U	4.5 U
Dioxane, 1,4-	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	3.6 U	1.8 U	0.72 U	0.72 U	0.72 U	0.72 UJ	0.72 U	3.6 U	1.8 U	0.72 U	3.6 U
Dodecane, n-	1.4 U	0.74 J	0.69 J	1.6	0.49 J	0.55 J	3.4 J	8.7 U	3.5 U	0.63 J	1.4 U	1.4 U	0.35 J	7.0 U	3.5 U	4.8 J	200 J
Ethanol	2.1	1.7 J	0.77 J	0.95 J	0.68 J	0.53 J	4.7 U	1.6 J	1.7 J	0.62 J	1.9 U	4.1	2.7	9.4 UJ	1.4 J	11	9.4 U
Ethylthiophene, 2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	4.6 U	2.3 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	4.6 U	2.3 U	0.92 U	4.6 U

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG-38 1/22/2009	OU2SG-38 1/23/2009	OU2SG-38 1/25/2009	OU2SG-38 1/26/2009	OU2SG-38 1/30/2009	OU2SG-38 2/5/2009	OU2SG-38 2/13/2009	OU2SG-38 2/23/2009	OU2SG-38 3/25/2009	OU2SG-38 4/14/2009	OU2SG-38 5/11/2009	OU2SG-38 6/16/2009	OU2SG-38 7/30/2009	OU2SG-38 8/26/2009	OU2SG-38 9/23/2009	OU2SG39 12/30/2008	OU2SG-39a 1/20/2009
Ethyltoluene, p-	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	4.9 U	2.5 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	4.9 U	2.5 U	0.99	110
Heptane, n-	0.82 U	0.82 U	7.2	8.6	53	0.91	4.1 UJ	2.0 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	4.1 U	2.0 U	0.82 U	2.0 J
Hexachlorobutadiene	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	11 U	5.3 UJ	2.1 UJ	2.1 U	2.1 U	2.1 U	2.1 U	11 U	5.3 U	2.1 U	11 UJ
Hexane, n-	1.8	0.71 J	12 J	14 J	93	81	71 J	18	0.75	0.70 U	0.70 U	0.70 U	0.70 U	3.5 U	1.8 U	0.70 U	3.5 U
Hexanone, 2-	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	4.1 U	5.1 U	2.0 U	0.82 U	0.82 U	0.82 U	0.82 U	4.1 U	2.0 U	0.82 U	4.1 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	4.8 U	2.4 U	0.97 U	0.97 U	0.97 U	0.97 UJ	0.97 U	4.8 U	2.4 U	0.97 U	150
Indene	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	4.8 U	2.4 U	0.95 U	0.95 U	0.95 U	0.95 UJ	0.95 U	4.8 U	2.4 U	0.95 U	4.8 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	3.6 U	1.8 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	3.6 U	1.8 U	0.72 U	3.6 U
Methyl-2-pentanone, 4-	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	4.1 U	2.0 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	4.1 UJ	2.0 U	1.0	4.1 U
Methylene chloride	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	30	4.3 U	1.7 U	1.7 U	1.4 J	0.58 J	0.94 J	2.3 J	4.3 U	1.7 U	3.4 U
Methylnaphthalene, 1-	5.8 U	5.8 U	5.8 UJ	5.8 UJ	5.8 U	1.2 U	3.5 J	7.3 UJ	2.9 U	5.8 U	1.2 U	1.2 U	1.2 UJ	5.8 UJ	2.9 U	R	5.4 J
Methylnaphthalene, 2-	5.8 U	5.8 U	5.8 U	5.8 U	5.8 UJ	1.2 U	2.0 J	7.3 U	2.9 U	5.8 U	0.33 J	1.2 U	1.2 U	5.8 UJ	2.9 U	14 UJ	12 J
Methylthiophene, 2-	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	4.0 U	2.0 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	4.0 U	2.0 U	0.80 U	4.0 U
Methylthiophene, 3-	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	4.0 U	2.0 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	4.0 U	2.0 U	0.80 U	4.0 U
Naphthalene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.2 U	2.6 U	1.0 U	1.0 U	1.0 U	1.0 U	0.42 J	5.2 U	2.6 U	1.0 UJ	14
Nonane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.2 U	2.6 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.2 U	2.6 U	4.4	390
Octane, n-	0.93 U	0.93 U	0.93 U	0.93 U	5.2	0.93 UJ	4.7 U	2.3 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	4.7 U	2.3 U	1.3	38
Pentane	1.6	0.66	10	12	45	78	61	30	3.4	0.74	0.58 J	0.19 J	0.59 U	3.0 U	1.5 U	0.59 U	3.0 U
Propanol, 2-	1.2 U	1.4	1.2 U	1.2 U	1.2 UJ	0.49 UJ	3.2 U	3.1 UJ	1.2 U	0.49 UJ	1.2 U	1.2 U	2.0 U	6.1 U	3.0 U	0.49 U	6.1 U
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	4.3 U	2.1 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	4.3 U	2.1 U	0.85 U	4.3 U
t-Butyl alcohol	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	7.6 U	1.5 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	3.0 U	1.5 U	0.61 U	3.0 U
Tetrachloroethane, 1,1,2,2-	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	6.9 U	3.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	6.9 U	3.4 U	1.4 U	6.9 U
Tetrachloroethene	1.0 J	0.94 J	1.6	0.81 J	0.98 J	1.0 J	6.8 U	1.6 J	1.8	2.6	4.0	13	19	16	11	0.45 J	6.8 U
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	5.5 U	6.9 UJ	2.7 U	5.5 U	1.1 U	1.1 U	1.1 UJ	5.5 UJ	2.7 UJ	1.2	380 J
Thiophene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	3.4 U	1.7 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	3.4 U	1.7 U	0.69 U	3.4 U
Trans-1,2-dichloroethene	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	4.0 U	2.0 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	4.0 U	2.0 U	0.79 U	4.0 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	0.41 J	1.5 U	0.60 J	1.5 U	1.5 U	0.39 J	7.7 U	3.8 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	7.7 U	3.8 U	1.0 J	7.7 U
Trichlorobenzene, 1,2,4-	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	7.4 U	3.7 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	7.4 U	3.7 U	1.5 UJ	7.4 U
Trichloroethane, 1,1,1-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	5.4 U	2.7 U	1.1 U	0.33 J	1.6	1.2	1.9	3.3 J	3.3	1.1 U	5.4 U
Trichloroethane, 1,1,2-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	5.4 U	2.7 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	5.4 U	2.7 U	1.1 U	5.4 U
Trichloroethene	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	5.4 U	2.7 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	5.4 U	2.7 U	1.1 U	5.4 U
Trichlorofluoromethane	1.9	1.3	1.7	1.7	1.2	1.2	5.6 U	0.79 J	0.75 J	0.84 J	0.40 J	2.0	2.3	1.4 J	0.84 J	11	6.5
Trimethylbenzene, 1,2,3-	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	4.9 U	2.5 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	4.9 U	2.5 U	5.0	290
Trimethylbenzene, 1,2,4-	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	4.9 U	2.5 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	4.9 U	2.5 U	1.6 J	720
Trimethylbenzene, 1,3,5-	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	4.9 U	2.5 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	4.9 U	2.5 U	1.8	180
Trimethylpentane, 2,2,4-	0.93 U	0.93 U	0.93 U	0.93 U	44	0.93 U	4.7 U	89	47	0.93 UJ	0.93 U	0.93 U	0.93 U	4.7 U	2.3 U	0.93 U	4.7 U
Undecane, n-	1.3 U	0.62 J	0.56 J	3.0	1.3 U	1.3 U	1.6 J	3.2 U	1.3 U	0.51 J	1.3 U	1.3 U	1.3 U	6.4 U	3.2 U	4.7	990
Vinyl bromide	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	4.4 U	2.2 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	4.4 U	2.2 U	0.87 U	4.4 U
Vinyl chloride	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	2.6 U	1.3 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	2.6 U	1.3 U	0.51 U	2.6 U
Other (%)																	
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.9	3.88	4.5	6.54	6.41	5.09	NA	NA
Helium	0.0168	0.0157	0.0196	0.0201	0.0172	0.016	0.0187	0.0219	0.029	0.0181	0.0188 U	0.0182	0.021 U	0.0176 U	0.0162 U	0.0196	0.0139

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG-39p 1/20/2009	OU2SG-39a 1/21/2009	OU2SG-39p 1/21/2009	OU2SG-39 1/22/2009	OU2SG-39 1/23/2009	OU2SG-39 1/25/2009	OU2SG-39 1/26/2009	OU2SG-39 1/30/2009	OU2SG-39 2/5/2009	OU2SG-39 2/13/2009	OU2SG-39 2/23/2009	OU2SG-39 3/25/2009	OU2SG-39 4/14/2009	OU2SG-39 5/11/2009	OU2SG-39 6/16/2009	OU2SG-39 7/30/2009
BTEX (ug/m3)																
Benzene	3.2 U	1.3 U	1.3 U	0.35 J	3.2 U	3.2 U	3.2 U	3.2 U	1.6 U	1.6 U	3.2 U	0.33 J	0.38 J	0.94 U	0.87 U	0.26 J
Toluene	2.2 J	1.4 J	0.65 J	1.5	3.9	2.0 J	2.1 J	3.2 J	1.4 J	0.57 J	3.8 U	4.5	5.0	2.7	2.8	1.2
Ethylbenzene	10	4.4	2.0	3.1	5.9	4.6	4.6	5.4	4.3	0.90 J	4.3 U	16 J	11	3.1	4.5	0.48 J
Xylene, m,p-	62	27	12	18	33	26	26	30	25	5.6	4.0 J	65	25	6.9	11	1.5 J
Xylene, o-	40	17	9.3	10	17	15	15	17	15	3.9	2.4 J	34	23	6.1	8.4	0.87
Other VOCs (ug/m3)																
Acetaldehyde	9 UJ	6.3 U	3.6 UJ	3.6 UJ	5.3 J	9.0 UJ	9.0 UJ	9.0 UJ	4.5 UJ	11 U	9.0 U	5.5 J	3.6 U	4.5 UJ	4.5 UJ	26 J
Acetone	7 U	3.8 U	2.6 U	3.4 U	6.9 U	6.0 U	6.0 U	6.6 U	4.5 UJ	3.9 U	5.9 U	2.7 J	1.8 U	2.8 U	2.4 U	9.7 U
Acrolein (propenal)	2.3 U	0.92 U	0.92 U	0.92 U	2.3 U	2.3 U	2.3 U	2.3 U	1.2 U	1.2 U	2.3 U	0.46 U	0.46 U	1.2 U	1.2 UJ	0.64 J
Allyl chloride	3.1 U	1.2 U	1.2 U	1.2 U	3.1 U	3.1 U	3.1 U	3.1 U	1.6 U	1.6 U	3.1 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
Benzothiophene	5.5 U	2.2 U	2.2 U	2.2 UJ	5.5 UJ	5.5 UJ	5.5 UJ	5.5 UJ	2.7 U	2.7 U	14 U	2.7 U	14 UJ	1.1 U	1.1 U	1.1 UJ
Bromodichloromethane	6.7 U	2.7 U	2.7 U	2.7 U	6.7 U	6.7 U	6.7 U	6.7 U	3.4 U	3.4 U	6.7 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	10 U	4.1 U	4.1 U	4.1 U	10 U	10 U	10 U	10 U	5.2 U	5.2 U	10 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	3.9 U	1.6 U	1.6 U	1.6 U	3.9 U	3.9 U	3.9 U	3.9 U	1.9 U	1.9 U	3.9 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
Butadiene, 1,3-	2.2 U	0.88 U	0.88 U	0.88 U	2.2 U	2.2 U	2.2 U	2.2 U	1.1 U	1.1 UJ	2.2 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Butane	2.4 U	0.76 J	0.95 U	0.72 J	2.4 U	2.4 U	2.4 U	1.2 J	0.94 J	0.65 J	1.1 J	0.82	0.83	1.1	1.3	3.8
Butanone, 2-	3 U	1.4	1.2	1.2 U	3.0 U	3.0 U	3.0 U	3.0 U	0.76 J	1.5 U	3.0 U	0.74	0.59 U	0.34 J	0.39 J	1.5
Carbon disulfide	3.1 U	1.2 U	1.2 U	1.2 U	3.1 U	3.1 U	3.1 U	1.0 J	0.49 J	0.62 J	3.1 U	0.43 J	0.62 U	1.0	0.40 J	0.90 U
Carbon tetrachloride	6.3 U	2.5 U	2.5 U	2.5 U	6.3 U	6.3 U	6.3 U	6.3 U	3.1 U	3.1 U	6.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Chlorobenzene	4.6 U	1.8 U	1.8 U	1.8 U	4.6 U	4.6 U	4.6 U	4.6 U	2.3 U	2.3 U	4.6 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Chloroethane	2.6 U	1.0 U	1.0 U	1.0 U	2.6 U	2.6 U	2.6 U	2.6 U	1.3 U	1.3 U	2.6 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U
Chloroform	14	13	15	14	12	11	11	11	10	9.8	10	11	13	13	7.4	6.9
Chloromethane	2.1 U	0.83 U	0.83 U	0.23 J	2.1 U	2.1 U	2.1 U	2.1 U	1.0 U	1.0 U	2.1 U	0.41 U	0.12 J	0.15 J	0.41 U	0.29 J
Chlorotoluene, 2-	5.2 U	2.1 U	2.1 U	2.1 U	5.2 U	5.2 U	5.2 U	5.2 U	2.6 U	2.6 U	5.2 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Crotylfluorane	7 U	2.8 U	2.8 U	2.8 U	7.0 U	7.0 U	7.0 U	7.0 U	3.5 U	3.5 U	7.0 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Cyclohexane	3.4 U	1.4 U	1.4 U	1.4 U	3.4 U	3.4 U	3.4 U	3.4 U	1.7 U	1.7 U	3.4 U	0.25 J	0.52 J	1.4	0.22 J	0.65 J
Decane, n-	1300	920	900	760	570	430	380	390	330	230	66	270	200	1.2 U	1.2 U	1.2 UJ
Dibromochloromethane	8.5 U	3.4 U	3.4 U	3.4 U	8.5 U	8.5 U	8.5 U	8.5 U	4.3 U	4.3 U	8.5 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dibromoethane, 1,2-	7.7 U	3.1 U	3.1 U	3.1 U	7.7 U	7.7 U	7.7 U	7.7 U	3.8 U	3.8 U	7.7 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Dichlorobenzene, 1,2-	6 U	2.4 U	2.4 U	2.4 U	6.0 U	6.0 U	6.0 U	6.0 U	3.0 U	3.0 U	6.0 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,3-	6 U	2.4 U	2.4 U	2.4 U	6.0 U	6.0 U	6.0 U	6.0 U	3.0 U	3.0 U	6.0 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,4-	6 U	2.4 U	2.4 U	2.4 U	6.0 U	6.0 U	6.0 U	6.0 U	3.0 U	3.0 U	6.0 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorodifluoromethane	5.4	4.7	4.8	4.9	4.7 J	4.6 J	4.8 J	5.2	3.8	4.0	4.2 J	4.0	4.0	2.5	1.4	2.1
Dichloroethane, 1,1-	4 U	1.6 U	1.6 U	1.6 U	4.0 U	4.0 U	4.0 U	4.0 U	2.0 U	2.0 U	4.0 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethane, 1,2-	4 U	1.6 U	1.6 U	1.6 U	4.0 U	4.0 U	4.0 U	4.0 U	2.0 U	2.0 U	4.0 U	0.81 UJ	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethene, 1,1-	4 U	1.6 U	1.6 U	1.6 U	4.0 U	4.0 U	4.0 U	4.0 U	2.0 U	2.0 U	4.0 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloroethene, cis-1,2-	4 U	1.6 U	1.6 U	1.6 U	4.0 U	4.0 U	4.0 U	4.0 U	2.0 U	2.0 U	4.0 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloropropane, 1,2-	4.6 U	1.8 U	1.8 U	1.8 U	4.6 U	4.6 U	4.6 U	4.6 U	2.3 U	2.3 U	4.6 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Dichloropropene, cis-1,3	4.5 U	1.8 U	1.8 U	1.8 U	4.5 U	4.5 U	4.5 U	4.5 U	2.3 U	2.3 U	4.5 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dichloropropene, trans-1,3	4.5 U	1.8 U	1.8 U	1.8 U	4.5 U	4.5 U	4.5 U	4.5 U	2.3 U	2.3 U	4.5 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dioxane, 1,4-	3.6 U	1.4 U	1.4 U	1.4 U	3.6 U	3.6 U	3.6 U	3.6 U	1.8 U	1.8 U	3.6 U	0.72 U	0.72 U	0.72 U	0.72 UJ	0.72 U
Dodecane, n-	480	250	430	320	480	270	290	500	230 J	510 J	280	300 J	130	1.4 UJ	1.4 U	1.4 UJ
Ethanol	9.4 U	1.9 J	1.1 J	2.5 J	2.9 J	4.7 J	3.7 J	4.9 J	2.6 J	4.7 U	3.5 J	5.9	1.6 J	2.9 U	2.6 U	1.4 J
Ethylthiophene, 2-	4.6 U	1.8 U	1.8 U	1.8 U	4.6 U	4.6 U	4.6 U	4.6 U	2.3 U	2.3 U	4.6 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG-39p 1/20/2009	OU2SG-39a 1/21/2009	OU2SG-39p 1/21/2009	OU2SG-39 1/22/2009	OU2SG-39 1/23/2009	OU2SG-39 1/25/2009	OU2SG-39 1/26/2009	OU2SG-39 1/30/2009	OU2SG-39 2/5/2009	OU2SG-39 2/13/2009	OU2SG-39 2/23/2009	OU2SG-39 3/25/2009	OU2SG-39 4/14/2009	OU2SG-39 5/11/2009	OU2SG-39 6/16/2009	OU2SG-39 7/30/2009
Ethyltoluene, p-	88	54	40	32	32	28	27	29	27	12	4.4 J	38	80	6.9	14	0.98 U
Heptane, n-	4.1 U	1.6 U	1.6 U	0.56 J	1.3 J	4.1 U	4.1 U	4.1 U	2.0 U	2.0 UJ	4.1 U	1.3	0.86	0.82 U	1.6	4.1
Hexachlorobutadiene	11 UJ	4.3 U	4.3 U	4.3 U	11 U	11 U	11 U	11 U	5.3 U	5.3 U	11 U	2.1 UJ	2.1 U	2.1 U	2.1 U	2.1 U
Hexane, n-	3.5 U	1.4 U	1.4 U	1.4 U	3.5 U	3.5 U	3.5 U	3.5 U	1.8 U	1.8 UJ	3.5 U	0.38 J	0.35 J	0.70 U	1.9	6.8
Hexanone, 2-	4.1 U	1.6 U	1.6 U	1.6 U	4.1 U	4.1 U	4.1 U	4.1 U	2.0 U	2.0 U	10 U	2.0 U	0.82 U	0.82 U	0.82 U	0.82 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	150	110	98	80	67	52	50	53	52	34	11	49	29	5.8	19	0.97 U
Indene	4.8 U	1.9 U	1.9 U	1.9 U	4.8 U	4.8 U	4.8 U	4.8 U	2.4 U	2.4 U	4.8 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	3.6 U	1.4 U	1.4 U	1.4 U	3.6 U	3.6 U	3.6 U	3.6 U	1.8 U	1.8 U	3.6 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Methyl-2-pentanone, 4-	4.1 U	1.6 U	1.6 U	1.6 U	4.1 U	4.1 U	4.1 U	4.1 U	2.0 U	2.0 U	4.1 U	1.2	0.82 U	0.85	0.82 U	0.82 U
Methylene chloride	3.4 U	1.4 U	1.4 U	1.5 U	3.4 U	3.4 U	3.4 U	3.4 U	1.7 U	1.7 U	3.4 U	1.7 U	1.7 U	1.0 J	1.7 U	1.7 U
Methylnaphthalene, 1-	32 J	21 J	37 J	24 J	32 J	11 J	16 J	38 J	15	36 J	28	34 J	4.0 J	1.2 U	1.2 U	1.2 UJ
Methylnaphthalene, 2-	66 J	45 J	80 J	46 J	61 J	22 J	37 J	72 J	30	77	50	67 J	5.2 J	1.2 UJ	1.2 U	1.2 U
Methylthiophene, 2-	4 U	1.6 U	1.6 U	1.6 U	4.0 U	4.0 U	4.0 U	4.0 U	2.0 U	2.0 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Methylthiophene, 3-	4 U	1.6 U	1.6 U	1.6 U	4.0 U	4.0 U	4.0 U	4.0 U	2.0 U	2.0 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Naphthalene	29	21	27	25	27	18	18	17	12	16	6.4	1.0 UJ	1.0 UJ	1.0 U	4.8	1.0 U
Nonane	280	130	86	74	86	68	68	76	74	23	7.8	96	75	1.0 U	2.3	8.5
Octane, n-	15	5.4	1.8 J	4.5	9.5	6.0	6.3	7.4	5.6	2.3 U	4.7 U	9.9	11	0.28 J	1.8	5.8
Pentane	3 U	1.2 U	1.2 U	1.2 U	3.0 U	3.0 U	3.0 U	3.0 U	1.5 U	1.5 U	3.0 U	0.63	0.53 J	1.0	3.2	9.4
Propanol, 2-	6.1 U	2.5 U	2.5 U	2.5 U	6.1 U	6.1 U	6.1 U	6.1 U	1.2 U	1.2 U	6.1 U	1.2 U	0.49 UJ	1.2 U	1.2 U	1.2 U
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	4.3 U	1.7 U	1.7 U	1.7 U	4.3 U	4.3 U	4.3 U	4.3 U	2.1 U	2.1 U	4.3 U	1.3	0.43 J	0.33 J	0.63 J	0.34 J
t-Butyl alcohol	3 U	1.2 U	1.2 U	1.2 U	3.0 U	3.0 U	3.0 U	3.0 U	1.5 U	3.8 U	3.0 U	0.16 J	0.61 U	0.61 U	0.61 U	0.61 U
Tetrachloroethane, 1,1,2,2-	6.9 U	2.7 U	2.7 U	2.7 U	6.9 U	6.9 U	6.9 U	6.9 U	3.4 U	3.4 U	6.9 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Tetrachloroethene	6.8 U	2.7 U	2.7 U	2.7 U	6.8 U	6.8 U	6.8 U	6.8 U	3.4 U	3.4 U	6.8 U	1.4 U	0.34 J	0.88 J	1.4 U	1.6
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	550 J	440 J	510 J	480 J	420 J	310 J	270 J	280 J	220 J	270 J	94	160	220 J	35 J	53 J	5.2 J
Thiophene	3.4 U	1.4 U	1.4 U	1.4 U	3.4 U	3.4 U	3.4 U	3.4 U	1.7 U	1.7 U	3.4 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Trans-1,2-dichloroethene	4 U	1.6 U	1.6 U	1.6 U	4.0 U	4.0 U	4.0 U	4.0 U	2.0 U	2.0 U	4.0 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	7.7 U	3.1 U	3.1 U	3.1 U	7.7 U	7.7 U	7.7 U	7.7 U	3.8 U	3.8 U	7.7 U	0.55 J	0.92 J	1.4 J	0.94 J	1.4 J
Trichlorobenzene, 1,2,4-	7.4 U	3.0 U	3.0 U	3.0 U	7.4 U	7.4 U	7.4 U	7.4 U	3.7 U	3.7 U	7.4 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Trichloroethane, 1,1,1-	5.4 U	2.2 U	2.2 U	2.2 U	5.4 U	5.4 U	5.4 U	5.4 U	2.7 U	2.7 U	5.4 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethane, 1,1,2-	5.4 U	2.2 U	2.2 U	2.2 U	5.4 U	5.4 U	5.4 U	5.4 U	2.7 U	2.7 U	5.4 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethene	5.4 U	2.2 U	2.2 U	2.2 U	5.4 U	5.4 U	5.4 U	5.4 U	2.7 U	2.7 U	5.4 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichlorofluoromethane	7.2	6.4	7.0	6.9	7.1	6.5	6.6	7.0	5.4	7.2	6.8	7.6	11	19	18	61
Trimethylbenzene, 1,2,3-	300	210	200	160	130	100	94	100	94	55	23	100	160	16	42	0.64 J
Trimethylbenzene, 1,2,4-	690	460	380	300	250	210	190	210	200	100	38	220	56	11	21	1.1
Trimethylbenzene, 1,3,5-	160	96	75	60	60	50	46	53	46	20	9.1	64	93	10	15	0.98 U
Trimethylpentane, 2,2,4-	4.7 U	1.9 U	1.9 U	1.9 U	4.7 U	4.7 U	4.7 U	4.7 U	2.3 U	2.3 U	4.7 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U
Undecane, n-	1500	1200	1600	1500	1300	980	810	870	600	850	270	430	220	1.3 UJ	1.3 UJ	1.3 UJ
Vinyl bromide	4.4 U	1.8 U	1.8 U	1.8 U	4.4 U	4.4 U	4.4 U	4.4 U	2.2 U	2.2 U	4.4 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl chloride	2.6 U	1.0 U	1.0 U	1.0 U	2.6 U	2.6 U	2.6 U	2.6 U	1.3 U	1.3 U	2.6 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Other (%)																
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.16	6.16	8.67	14.3
Helium	0.0148	0.0156	0.0165	0.0192	0.0196	0.0163	0.0166	0.0155	0.0147	0.034	0.0197	0.02	0.0214	0.0175 U	0.058	0.0299 U

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG-39 8/26/2009	OU2SG-39 9/23/2009	OU3SG01 9/20/2007	OU3SG01 12/19/2007	OU3SG01 4/3/2008	OU3SG01 6/19/2008	OU3SG01 9/17/2008	OU3SG01 12/30/2008	OU3SG01 3/12/2009	OU3SG-01 6/17/2009	OU3SG-01 9/25/2009	OU4SV1 3/23/2009	Duplicate of OU4SV1 3/23/2009	OU4SV-1 4/27/2009	OU4SV-1 4/28/2009	OU4SV-1 4/29/2009	OU4SV-1 4/30/2009
BTEX (ug/m3)																	
Benzene	3.2 U	1.6 U	0.50 J	0.89	0.88	0.70 J	0.19 J	0.64 U	0.38 J	0.64 U	1.3 U	0.64 U	0.64 U	0.19 J	NA	0.64 U	0.64 U
Toluene	3.8 U	1.2 J	3.8	49	360	790	120	87	76	62	46	0.30 J	0.34 J	3.0	NA	2.0	0.79
Ethylbenzene	1.1 J	2.2 U	1.9 U	4.2	3.1	14	4.1	1.2	1.3	1.3	0.78 J	0.87 U	0.87 U	0.60 J	NA	0.39 J	0.87 U
Xylene, m,p-	2.8 J	1.1 J	0.58 J	16	7.7	35	21	2.8	2.5	1.0 J	1.2 J	1.7 U	1.7 U	0.89 J	NA	0.67 J	1.7 U
Xylene, o-	2.0 J	2.2 U	0.67 J	6.5	3.7	19	27	3.7	2.5	7.9	1.7	0.87 U	0.87 U	0.60 J	NA	0.43 J	0.87 U
Other VOCs (ug/m3)																	
Acetaldehyde	26 U	6.4 U	21	1.8 U	4.5 U	3.1 J	3.0 J	2.4 J	6.3 J	4.5 U	4.6 J	3.8 U	3.6 U	9.1 J	NA	10 U	5.0 U
Acetone	16 UJ	3.0 U	7.0	2.8 U	1.9 U	1.8	1.6	1.2 U	5.6 U	2.1 U	5.1 UJ	1.8 U	1.8 U	4.0	NA	4.6 U	3.5
Acrolein (propenal)	5.7 U	2.9 U	1.0 U	0.46 U	1.2 U	0.46 U	0.46 U	0.46 U	0.82	0.32 J	2.3 U	0.46 U	0.46 U	0.46 U	NA	1.2 U	0.46 U
Allyl chloride	3.1 U	1.6 U	1.4 U	0.63 UJ	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	1.2 U	0.63 U	0.63 U	0.63 U	NA	0.63 U	0.63 U
Benzothiophene	5.5 UJ	2.7 U	2.4 U	1.1 UJ	1.1 UJ	1.1 UJ	1.1 U	0.73 J	1.1 U	1.1 U	2.2 U	2.7 U	2.7 U	14 UJ	NA	1.1 U	14 UJ
Bromodichloromethane	6.7 U	3.4 U	3.0 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	2.7 U	1.3 U	1.3 U	1.3 U	NA	1.3 U	1.3 U
Bromoform	10 U	5.2 U	4.6 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.1 U	2.1 U	2.1 U	2.1 U	NA	2.1 U	2.1 U
Bromomethane	3.9 U	1.9 U	1.7 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	1.6 U	0.78 U	0.78 U	0.78 U	NA	0.78 U	0.78 U
Butadiene, 1,3-	2.2 U	1.1 U	0.98 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.88 U	0.44 U	0.44 U	0.44 U	NA	0.44 U	0.44 U
Butane	2.0 J	1.7	1.0 U	2.9	0.48 U	0.14 J	0.48 U	0.48 U	0.57	0.48 U	0.76 J	0.48 U	0.48 U	0.33 J	NA	0.48	0.40 J
Butanone, 2-	3.0 U	1.5 U	1.8	0.62	0.38 J	0.59 U	0.50 J	0.59 U	3.0	0.59 U	1.2 U	0.59 U	0.59 U	0.57 J	NA	0.92	0.65 U
Carbon disulfide	3.1 U	1.6 U	3.0	1.5	8.5	82	88	32	7.3	88	97	0.62 U	0.62 U	29	NA	26	10
Carbon tetrachloride	6.3 U	3.1 U	2.8 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	2.5 U	1.3 U	1.3 U	1.3 U	NA	1.3 U	1.3 U
Chlorobenzene	4.6 U	2.3 U	2.0 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	0.92 U	0.92 U	0.92 U	NA	0.92 U	0.92 U
Chloroethane	2.6 U	1.3 U	1.2 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	1.0 U	0.53 U	0.53 U	0.53 U	NA	0.53 U	0.53 U
Chloroform	5.8	2.2 J	3.7	0.54 J	0.64 J	2.5	4.2	0.67 J	0.40 J	1.6	1.5 J	1.1	1.2	3.0	NA	2.8	2.4
Chloromethane	0.52 J	1.0 U	0.92 U	0.41 U	0.15 J	0.12 J	0.41 U	0.15 J	0.22 J	0.41 U	0.82 U	0.41 U	0.41 U	0.17 J	NA	0.41 U	0.17 J
Chlorotoluene, 2-	5.2 U	2.6 U	2.3 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.1 U	1.0 U	1.0 U	1.0 U	NA	1.0 U	1.0 U
Cryofluorane	7.0 U	3.5 U	3.1 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	2.8 U	1.4 U	1.4 U	1.4 U	NA	1.4 U	1.4 U
Cyclohexane	3.4 U	1.7 U	1.8	0.21 J	70	270	190	70	36	76	73	0.69 U	0.69 U	0.19 J	NA	0.69 U	0.69 U
Decane, n-	20 J	2.9 U	2.6 U	1.9	1.2 U	1.2 U	1.2 UJ	1.2 U	0.66 J	0.34 J	2.3 U	1.2 U	1.2 U	1.2 U	NA	0.66 J	0.47 J
Dibromochloromethane	8.5 U	4.3 U	3.8 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	3.4 U	1.7 U	1.7 U	1.7 U	NA	1.7 U	1.7 U
Dibromoethane, 1,2-	7.7 U	3.8 U	3.4 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.1 U	1.5 U	1.5 U	1.5 U	NA	1.5 U	1.5 U
Dichlorobenzene, 1,2-	6.0 U	3.0 U	2.7 U	1.2 U	1.2 U	0.42 J	0.48 J	1.2 U	1.2 U	0.32 J	2.4 U	1.2 U	1.2 U	1.2 U	NA	1.2 U	1.2 U
Dichlorobenzene, 1,3-	6.0 U	3.0 U	2.7 U	0.84 J	0.56 J	2.3	1.3	1.2 U	1.2 U	0.64 J	2.4 U	1.2 U	1.2 U	1.2 U	NA	0.39 J	1.2 U
Dichlorobenzene, 1,4-	6.0 U	3.0 U	2.7 U	0.72 J	0.46 J	2.5	1.5	1.2 U	1.2 U	0.80 J	2.4 U	1.2 U	1.2 U	1.2 U	NA	1.2 U	1.2 U
Dichlorodifluoromethane	3.2 J	2.6	2.7	2.8	2.2	2.5	2.6	2.2	2.2	1.0	3.4	2.5	2.5	2.6	NA	2.8	2.2
Dichloroethane, 1,1-	4.0 U	2.0 U	1.8 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	1.6 U	0.81 U	0.81 U	0.81 U	NA	0.81 U	0.81 U
Dichloroethane, 1,2-	4.0 U	2.0 U	1.8 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	1.6 U	0.81 UJ	0.81 UJ	0.81 U	NA	0.81 U	0.81 U
Dichloroethene, 1,1-	4.0 U	2.0 U	1.8 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	0.79 U	0.79 U	0.79 U	NA	0.79 U	0.79 U
Dichloroethene, cis-1,2-	4.0 U	2.0 U	1.8 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	0.79 U	0.79 U	0.79 U	NA	0.79 U	0.79 U
Dichloropropane, 1,2-	4.6 U	2.3 U	2.0 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	0.92 U	0.92 U	0.92 U	NA	0.92 U	0.92 U
Dichloropropene, cis-1,3	4.5 U	2.3 U	2.0 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	1.8 U	0.91 U	0.91 U	0.91 U	NA	0.91 U	0.91 U
Dichloropropene, trans-1,3	4.5 U	2.3 U	2.0 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	1.8 U	0.91 U	0.91 U	0.91 U	NA	0.91 U	0.91 U
Dioxane, 1,4-	3.6 U	1.8 U	1.6 U	1.8 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 UJ	1.4 U	0.72 U	0.72 U	0.72 U	NA	0.72 UJ	0.72 U
Dodecane, n-	7.0 UJ	3.5 U	1.8 J	1.2 J	0.62 J	1.0 J	2.5	0.62 J	1.8 J	1.4	2.8 UJ	0.49 J	0.84 J	2.3 J	NA	1.4	2.1 J
Ethanol	9.4 UJ	3.2 J	6.6	21	3.5 J	3.1	3.4	3.6	4.0	5.3 U	4.9 U	1.3 J	1.9 J	4.0	NA	6.6 U	11
Ethylthiophene, 2-	4.6 U	2.3 U	2.0 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	0.92 U	0.92 U	0.92 U	NA	0.92 U	0.92 U

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG-39 8/26/2009	OU2SG-39 9/23/2009	OU3SG01 9/20/2007	OU3SG01 12/19/2007	OU3SG01 4/3/2008	OU3SG01 6/19/2008	OU3SG01 9/17/2008	OU3SG01 12/30/2008	OU3SG01 3/12/2009	OU3SG-01 6/17/2009	OU3SG-01 9/25/2009	OU4SV1 3/23/2009	Duplicate of OU4SV1 3/23/2009	OU4SV-1 4/27/2009	OU4SV-1 4/28/2009	OU4SV-1 4/29/2009	OU4SV-1 4/30/2009
Ethyltoluene, p-	4.9 U	2.5 U	2.2 U	2.6	0.97 J	4.1	3.1	0.52 J	0.35 J	0.86 J	2.0 U	0.98 U	0.98 U	0.98 U	NA	0.98 U	0.98 U
Hepiane, n-	3.7 J	2.0 U	1.8 U	13 J	0.82 UJ	0.53 J	1.6	0.53 J	0.66 J	0.45 J	1.2 J	0.29 J	0.29 J	0.82 U	NA	0.82 U	0.82 U
Hexachlorobutadiene	11 U	5.3 U	4.7 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.3 U	2.1 U	2.1 U	2.1 U	NA	2.1 U	2.1 UJ
Hexane, n-	5.1	1.1 J	2.1	0.56 J	2.1	37 J	36	15	6.7	14	8.4	0.70 U	0.70 U	0.70 U	NA	0.70 U	0.70 U
Hexanone, 2-	4.1 U	2.0 U	1.8 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	1.6 U	2.0 U	2.0 U	0.82 U	NA	0.82 U	0.82 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.94 U	NA	NA
Indan	2.7 J	2.4 U	2.1 U	1.7	0.68 J	3.2	1.9	0.77 J	0.97 U	0.55 J	1.9 U	0.97 U	0.97 U	0.27 J	NA	0.97 U	0.97 U
Indene	4.8 U	2.4 U	2.1 U	0.95 U	0.95 U	0.43 J	0.95 U	0.44 J	0.95 U	0.95 U	1.9 U	0.95 U	0.95 U	0.95 U	NA	0.95 U	0.95 UJ
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	3.6 U	1.8 U	1.6 U	0.72 U	0.72 U	0.72 UJ	0.72 U	0.72 U	0.72 U	0.72 U	1.4 U	0.72 U	0.72 U	0.72 U	NA	0.72 U	0.72 U
Methyl-2-pentanone, 4-	4.1 UJ	2.0 U	1.8 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	1.6 U	0.82 U	0.82 U	0.82 U	NA	0.82 U	0.78 J
Methylene chloride	8.7 U	4.3 U	2.5	0.69 U	1.7 U	1.7 U	2.1 U	1.7 U	1.7 U	1.7 U	3.4 U	1.7 U	1.7 U	1.7 U	NA	1.7 U	1.7 U
Methylnaphthalene, 1-	5.8 UJ	2.9 U	2.6 U	14 UJ	1.2 UJ	0.35 J	1.4	13 J	1.2 U	1.2 U	2.3 UJ	2.9 UJ	2.9 UJ	14 UJ	NA	1.2 U	14 UJ
Methylnaphthalene, 2-	5.8 UJ	2.9 U	2.6 U	14 UJ	1.2 UJ	0.64 J	1.6	17 J	1.2 U	0.43 J	2.3 U	2.9 UJ	2.9 UJ	14 UJ	NA	1.2 U	14 UJ
Methylthiophene, 2-	4.0 U	2.0 U	1.8 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	1.6 U	0.80 U	0.80 U	0.80 U	NA	0.80 U	0.80 U
Methylthiophene, 3-	4.0 U	2.0 U	1.8 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	1.6 U	0.80 U	0.80 U	0.80 U	NA	0.80 U	0.80 U
Naphthalene	5.2 UJ	2.6 U	2.3 U	0.42 J	0.30 J	3.6	3.4	5.6 J	0.28 J	0.61 J	2.1 U	1.0 U	1.0 U	3.8 J	NA	0.68 J	0.31 J
Nonane	13	1.3 J	2.3 U	1.7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.1 U	1.0 U	1.0 U	1.0 U	NA	1.0 U	1.0 U
Octane, n-	5.1	2.3 U	2.1 U	1.3	0.93 U	0.23 J	0.70 J	0.93 U	0.93 U	0.93 U	1.9 U	0.93 U	0.93 U	0.93 U	NA	0.93 U	0.93 U
Pentane	6.5	2.0	0.52 J	0.83	0.44 J	0.41 J	0.59 U	0.59 U	2.0	0.59 U	2.0	0.59 U	0.59 U	0.39 J	NA	2.2	0.56 J
Propanol, 2-	6.1 U	3.0 U	1.6	1.6 J	0.61 J	0.44 J	0.49 U	0.48 UJ	1.2 U	1.2 U	1.9 J	1.2 UJ	1.2 UJ	0.49 UJ	NA	1.2 UJ	0.49 UJ
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	4.3 U	2.1 U	1.9 U	0.26 J	0.41 J	1.9	0.72 J	0.37 J	0.27 J	0.56 J	0.85 J	0.85 U	0.85 U	0.23 J	NA	0.85 U	0.85 U
t-Butyl alcohol	3.0 U	1.5 U	3.0	0.45 J	0.61 U	0.61 U	0.61 U	0.49 J	0.62 J	0.91	2.7	0.61 U	0.61 U	0.29 J	NA	1.1	0.45 J
Tetrachloroethane, 1,1,2,2-	6.9 U	3.4 U	3.0 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	2.7 U	1.4 U	1.4 U	1.4 U	NA	1.4 U	1.4 U
Tetrachloroethene	2.7 J	1.2 J	0.90 J	0.81 J	1.2 J	4.2	5.2	1.0 J	0.78 J	2.8 U	1.8 J	6.2	6.7	19	NA	17	11
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	21 J	2.7 UJ	2.4 U	0.77 J	0.94 J	16 J	14	2.2	1.2	3.3 J	1.9 J	2.7 U	2.7 U	5.5 U	NA	0.33 J	5.5 U
Thiophene	3.4 U	1.7 U	1.5 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	1.4 U	0.69 U	0.69 U	0.69 U	NA	0.69 U	0.69 U
Trans-1,2-dichloroethene	4.0 U	2.0 U	1.8 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	0.79 U	0.79 U	0.79 U	NA	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	7.7 U	0.96 J	3.4 U	1.5 U	0.76 J	0.61 J	0.46 J	0.77 J	0.60 J	1.5 U	0.77 J	0.46 J	0.46 J	0.66 J	NA	0.75 J	0.46 J
Trichlorobenzene, 1,2,4-	7.4 U	3.7 U	3.3 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.0 U	1.5 U	1.5 U	1.2 J	NA	1.5 U	1.5 U
Trichloroethane, 1,1,1-	5.4 U	2.7 U	1.1 J	1.1 U	1.1 U	1.1 U	1.1 U	1.0 J	1.1 U	1.1 U	0.39 J	0.98 J	0.27 J	0.33 J	NA	0.59 J	0.65 J
Trichloroethane, 1,1,2-	5.4 U	2.7 U	2.4 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	1.1 U	1.1 U	1.1 U	NA	1.1 U	1.1 U
Trichloroethene	5.4 U	2.7 U	2.4 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	0.38 J	0.43 J	1.5	NA	1.5	1.3
Trichlorofluoromethane	72	53	1.5 J	1.2 U	1.3	1.6	1.3	1.4	1.3	0.95 J	1.7 J	7.3	7.7	40	NA	45	36
Trimethylbenzene, 1,2,3-	3.9 J	2.5 U	0.65 J	2.6	3.4	12	5.1	2.0	0.56 J	1.7	0.59 J	0.98 U	0.98 U	0.53 J	NA	0.35 J	0.98 U
Trimethylbenzene, 1,2,4-	5.2	2.5 U	0.98 J	9.5	0.48 J	0.84 J	5.9	0.63 J	0.98 U	0.32 J	2.0 U	0.98 U	0.98 U	1.1	NA	0.71 J	0.29 J
Trimethylbenzene, 1,3,5-	2.2 J	2.5 U	2.2 U	2.7	1.1	5.9	2.0	1.2	0.56 J	0.64 J	2.0 U	0.98 U	0.98 U	0.98 U	NA	0.98 U	0.98 U
Trimethylpentane, 2,2,4-	4.7 U	2.3 U	2.1 U	0.93 U	0.93 UJ	0.93 U	0.93 U	0.93 U	0.93 U	0.93 UJ	1.9 U	0.93 U	0.93 U	0.93 U	NA	0.93 U	0.93 U
Undecane, n-	6.4 UJ	3.2 U	1.4 J	1.3	1.3 U	1.3 U	1.3 UJ	0.40 J	1.2 J	1.3 U	2.6 U	0.32 J	0.57 J	1.6	NA	1.3 UJ	0.96 J
Vinyl bromide	4.4 U	2.2 U	1.9 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	1.8 U	0.87 U	0.87 U	0.87 U	NA	0.87 U	0.87 U
Vinyl chloride	2.6 U	1.3 U	1.1 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	1.0 U	0.51 U	0.51 U	0.51 U	NA	0.51 U	0.51 U
Other (%)																	
Carbon Dioxide	15.5	10.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	0.0186 U	0.0156 U	NA	NA	NA	0.018 U	0.027	0.0188	0.048	0.074	0.142	0.048	0.047	0.022	NA	0.0242 U	0.0197 U

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU4SV-1 5/1/2009	OU4SV-1 5/4/2009	OU4SV-1 5/5/2009	OU4SV-1 5/8/2009	OU4SV-1 5/12/2009	OU4SV-1 5/15/2009	OU4SV-1 5/21/2009	OU4SV-1 6/3/2009	OU4SV-1 6/17/2009	OU4SV-1 6/19/2009	OU4SV-1 7/9/2009	OU4SV-1 8/25/2009	OU4SV-1 9/15/2009	OU4SV-1 9/29/2009	OU4SV-1 10/30/2009	OU4SV2 3/23/2009	OU4SV-2 4/27/2009	OU4SV-2 4/28/2009
BTEX (ug/m3)																		
Benzene	0.64 U	0.64 U	0.64 U	0.64 U	NA	0.54 J	0.54 J	0.64 U	0.64 U	0.64 U	6.4 U	3.2 U	6.4 U	32	3.2 UJ	0.64 U	0.64 U	NA
Toluene	1.2	1.4	1.6	2.7	NA	5.1	8.0	3.4	0.70 J	0.73 J	7.5 U	3.8 U	7.5 U	110	1.9 J	0.60 J	10	NA
Ethylbenzene	0.87 U	0.26 J	0.87 U	0.35 J	NA	0.78 J	0.65 J	0.32 J	0.87 U	0.87 U	8.7 U	4.3 U	8.7 U	1.0 J	4.3 UJ	0.87 U	0.40 J	NA
Xylene, m,p-	0.48 J	1.7 U	1.7 U	0.52 J	NA	0.74 J	0.91 J	1.7 U	1.7 U	1.7 U	17 U	8.7 U	17 U	4.2	8.7 UJ	0.26 J	1.2 J	NA
Xylene, o-	0.26 J	0.26 J	0.87 U	0.39 J	NA	1.0	0.69 J	0.36 J	0.87 U	0.87 U	8.7 U	4.3 U	8.7 U	2.2	4.3 UJ	0.87 U	0.63 J	NA
Other VOCs (ug/m3)																		
Acetaldehyde	7.1 U	3.2 J	6.6 U	14 J	NA	5.2 U	13 J	14 J	6.5 U	13	45 U	49 J	18 U	9.0 UJ	22 UJ	1.8 UJ	4.8 J	NA
Acetone	2.8 U	1.9 J	3.0 U	5.3 U	NA	3.4 U	12 J	5.3 U	2.5 U	4.0 U	7.5 J	15 U	12 U	6.3 UJ	9.0 UJ	1.8 U	2.5	NA
Acrolein (propenal)	1.2 U	1.2 U	1.2 U	1.2 U	NA	0.30 J	1.7 J	0.67 J	0.34 J	0.56 J	11 U	5.7 U	11 U	2.3 U	5.7 UJ	0.46 U	0.46 U	NA
Allyl chloride	0.63 U	0.63 U	0.63 U	0.63 U	NA	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	6.3 U	3.1 U	6.3 U	1.2 U	3.1 UJ	0.63 U	0.63 U	NA
Benzothiophene	1.1 U	1.1 U	1.1 U	1.1 U	NA	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	11 UJ	5.5 UJ	11 UJ	2.2 U	5.5 UJ	2.7 U	14 UJ	NA
Bromodichloromethane	1.3 U	1.3 U	1.3 U	1.3 U	NA	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	13 U	6.7 U	13 U	4.4	6.7 UJ	1.3 U	1.3 U	NA
Bromoform	2.1 U	2.1 U	2.1 U	2.1 U	NA	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	21 U	10 U	21 U	4.1 U	10 UJ	2.1 U	2.1 U	NA
Bromomethane	0.78 U	0.78 U	0.78 U	0.78 U	NA	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	7.8 U	3.9 U	7.8 U	0.78 J	3.9 UJ	0.78 U	0.78 U	NA
Butadiene, 1,3-	0.44 U	0.44 U	0.44 U	0.44 U	NA	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	4.4 U	2.2 U	4.4 U	0.88 U	2.2 UJ	0.44 U	0.44 U	NA
Butane	0.69	0.45 J	0.48	0.57	NA	0.45 J	0.90	0.39 J	0.30 J	0.37 J	2.2 J	2.4	4.8 U	41	11 J	0.48 U	0.48 U	NA
Butanone, 2-	0.56 J	0.47 J	0.65	0.83	NA	0.65	1.4	0.62	0.35 J	1.2	5.9 U	3.0 U	5.9 U	1.2 U	3.0 UJ	0.59 U	0.59 U	NA
Carbon disulfide	22	19	14	31	NA	85	22	6.8	4.0	15	6.2 UJ	2.8 J	6.2 U	44	22 J	0.62 U	1.6	NA
Carbon tetrachloride	1.3 U	1.3 U	1.3 U	1.3 U	NA	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	13 U	6.3 U	13 U	0.75 J	6.3 UJ	1.3 U	1.3 U	NA
Chlorobenzene	0.92 U	0.92 U	0.92 U	0.92 U	NA	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	9.2 U	4.6 U	9.2 U	1.8 U	4.6 UJ	0.92 U	0.92 U	NA
Chloroethane	0.53 U	0.53 U	0.53 U	0.53 U	NA	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	5.3 U	2.6 U	5.3 U	1.1	2.6 UJ	0.53 U	0.53 U	NA
Chloroform	2.4	2.4	2.5	2.7	NA	3.4	3.2	3.9	5.0	4.9	8.2 J	8.3	7.3 J	14	4.9 J	0.98 U	0.53 J	NA
Chloromethane	0.41 U	0.41 U	0.72 U	0.41 U	NA	0.21 J	0.56	0.41 U	0.41 U	0.41 U	4.1 U	2.1 U	4.1 U	1.0	2.1 UJ	0.41 U	0.40 J	NA
Chlorotoluene, 2-	1.0 U	1.0 U	1.0 U	1.0 U	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	5.2 U	10 U	2.1 U	5.2 UJ	1.0 U	1.0 U	NA
Cryofluorane	1.4 U	1.4 U	1.4 U	1.4 U	NA	1.4 UJ	1.4 UJ	1.4 U	1.4 U	1.4 U	14 U	7.0 U	14 U	2.8 U	7.0 UJ	1.4 U	1.4 U	NA
Cyclohexane	0.69 U	0.69 U	0.17 J	0.69 U	NA	0.69 U	0.38 J	0.69 U	0.69 U	0.69 U	6.9 U	3.4 U	6.9 U	7.5	3.4 UJ	0.69 U	3.9	NA
Decane, n-	0.47 J	0.35 J	1.2 U	0.58 J	NA	1.2 UJ	2.9	1.2 U	1.2 U	1.2 U	12 U	5.8 U	12 U	2.3 U	5.8 UJ	1.2 U	0.52 J	NA
Dibromochloromethane	1.7 U	1.7 U	1.7 U	1.7 U	NA	1.7 UJ	1.7 UJ	1.7 U	1.7 U	1.7 U	17 U	8.5 UJ	17 U	0.85 J	8.5 UJ	1.7 U	1.7 U	NA
Dibromoethane, 1,2-	1.5 U	1.5 U	1.5 U	1.5 U	NA	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	15 U	7.7 U	15 U	3.1 U	7.7 UJ	1.5 U	1.5 U	NA
Dichlorobenzene, 1,2-	1.2 U	1.2 U	1.2 U	1.2 U	NA	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	12 U	6.0 U	12 U	2.4 U	6.0 UJ	1.2 U	0.83 J	NA
Dichlorobenzene, 1,3-	1.2 U	1.2 U	1.2 U	1.2 U	NA	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	12 U	6.0 U	12 U	2.4 U	6.0 UJ	1.2 U	1.2 U	NA
Dichlorobenzene, 1,4-	1.2 U	1.2 U	1.2 U	1.2 U	NA	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	12 U	6.0 U	12 U	0.72 J	6.0 UJ	1.2 U	2.6	NA
Dichlorodifluoromethane	2.8	2.3	3.0	2.9	NA	2.7	2.8	2.5	2.2	2.4	3.0 J	2.5 J	2.5 J	1.3 J	3.0 J	1.3	2.6	NA
Dichloroethane, 1,1-	0.81 U	0.81 U	0.81 U	0.81 U	NA	0.81 U	0.81 U	0.23 J	0.25 J	0.21 J	8.1 U	4.0 U	8.1 U	0.73 J	4.0 UJ	0.81 U	0.81 U	NA
Dichloroethane, 1,2-	0.81 U	0.81 U	0.81 U	0.81 U	NA	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	8.1 U	4.0 U	8.1 U	1.6 U	4.0 UJ	0.81 UJ	0.81 U	NA
Dichloroethene, 1,1-	0.79 U	0.79 U	0.79 U	0.79 U	NA	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	7.9 U	4.0 U	7.9 U	1.6 U	4.0 UJ	0.79 U	0.79 U	NA
Dichloroethene, cis-1,2-	0.79 U	0.79 U	0.79 U	0.79 U	NA	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	7.9 U	4.0 U	7.9 U	1.6 U	4.0 UJ	0.79 U	0.79 U	NA
Dichloropropane, 1,2-	0.92 U	0.92 U	0.92 U	0.92 U	NA	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	9.2 U	4.6 U	9.2 U	1.8 U	4.6 UJ	0.92 U	0.92 U	NA
Dichloropropene, cis-1,3	0.91 U	0.91 U	0.91 U	0.91 U	NA	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	9.1 U	4.5 U	9.1 U	1.8 U	4.5 UJ	0.91 U	0.91 U	NA
Dichloropropene, trans-1,3	0.91 U	0.91 U	0.91 U	0.91 U	NA	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	9.1 U	4.5 U	9.1 U	1.8 U	4.5 UJ	0.91 U	0.91 U	NA
Dioxane, 1,4-	0.72 UJ	0.72 U	0.72 UJ	0.72 UJ	NA	0.18 J	0.25 J	0.72 UJ	0.72 UJ	0.72 UJ	7.2 U	3.6 U	7.2 U	7.9	3.6 UJ	0.72 U	0.72 U	NA
Dodecane, n-	0.70 J	0.63 J	0.56 J	3.1	NA	1.4 U	3.8	0.58 J	1.4 U	1.2 J	14 U	2.4 J	14 U	2.0 J	7.0 UJ	3.5 U	1.9 J	NA
Ethanol	5.5 U	2.6	3.0 U	4.9	NA	5.7	15	4.5	2.5 U	3.6 U	19 U	16	19 U	3.7 U	2.4 J	3.3 J	1.2 J	NA
Ethylthiophene, 2-	0.92 U	0.92 U	0.92 U	0.92 U	NA	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	9.2 U	4.6 U	9.2 U	1.8 U	4.6 UJ	0.92 U	0.92 U	NA

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU4SV-1 5/1/2009	OU4SV-1 5/4/2009	OU4SV-1 5/5/2009	OU4SV-1 5/8/2009	OU4SV-1 5/12/2009	OU4SV-1 5/15/2009	OU4SV-1 5/21/2009	OU4SV-1 6/3/2009	OU4SV-1 6/17/2009	OU4SV-1 6/19/2009	OU4SV-1 7/9/2009	OU4SV-1 8/25/2009	OU4SV-1 9/15/2009	OU4SV-1 9/29/2009	OU4SV-1 10/30/2009	OU4SV2 3/23/2009	OU4SV-2 4/27/2009	OU4SV-2 4/28/2009
Ethyltoluene, p-	0.98 U	0.98 U	0.98 U	0.98 U	NA	0.29 J	0.98 U	0.98 U	0.98 U	0.98 U	9.8 U	4.9 U	9.8 U	2.0 U	4.9 UJ	0.98 U	0.98 U	NA
Heptane, n-	0.82 U	0.82 U	0.82 U	0.82 U	NA	0.82 U	0.41 J	0.82 U	0.82 U	0.82 U	8.2 U	4.1 U	8.2 U	23	4.1 UJ	1.2	0.82 U	NA
Hexachlorobutadiene	2.1 U	2.1 U	2.1 U	2.1 U	NA	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	21 U	11 U	21 U	4.3 UJ	11 UJ	2.1 U	2.1 U	NA
Hexane, n-	0.70 U	0.70 U	0.70 U	0.70 U	NA	0.70 U	1.3	0.70 U	0.70 U	0.70 U	7.0 U	3.5 U	7.0 U	190	1.9 J	0.70 U	0.70 U	NA
Hexanone, 2-	0.82 U	0.82 U	0.82 U	0.82 U	NA	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	8.2 U	4.1 U	8.2 U	1.6 U	4.1 UJ	2.0 U	0.82 U	NA
Hydrogen sulfide	NA	NA	NA	NA	6.94 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.94 U
Indan	0.97 U	0.97 U	0.97 U	0.97 U	NA	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	9.7 U	4.8 U	9.7 U	1.9 U	4.8 UJ	0.97 U	0.25 J	NA
Indene	0.95 U	0.95 U	0.95 U	0.95 U	NA	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	9.5 U	4.8 U	9.5 U	1.9 U	4.8 UJ	0.95 U	0.95 U	NA
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	0.72 U	0.72 U	0.72 U	0.72 U	NA	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	7.2 U	3.6 U	7.2 U	1.4 U	3.6 UJ	0.72 U	0.72 U	NA
Methyl-2-pentanone, 4-	0.82 U	0.82 U	0.82 U	0.82 U	NA	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	8.2 U	4.1 U	8.2 U	1.6 U	4.1 UJ	0.82 U	0.82 U	NA
Methylene chloride	1.7 U	1.7 U	0.52 J	1.4 J	NA	0.69 J	6.6	0.68 J	1.7 U	1.7 U	17 UJ	8.7 U	17 U	1.0 J	2.8 J	1.7 U	1.7 U	NA
Methylnaphthalene, 1-	1.2 U	1.2 U	1.2 U	1.2 U	NA	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	12 UJ	5.8 U	12 U	2.3 U	5.8 UJ	2.9 UJ	14 UJ	NA
Methylnaphthalene, 2-	1.2 U	1.2 U	1.2 U	1.2 U	NA	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	12 UJ	5.8 U	12 UJ	2.3 U	5.8 UJ	2.9 UJ	14 UJ	NA
Methylthiophene, 2-	0.80 U	0.80 U	0.80 U	0.80 U	NA	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	8.0 U	4.0 U	8.0 U	1.6 U	4.0 UJ	0.80 U	0.80 U	NA
Methylthiophene, 3-	0.80 U	0.80 U	0.80 U	0.80 U	NA	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	8.0 U	4.0 U	8.0 U	1.6 U	4.0 UJ	0.80 U	0.80 U	NA
Naphthalene	0.42 J	0.58 J	1.0 U	0.42 J	NA	0.31 J	1.0 U	0.27 J	1.0 U	1.0 U	10 U	5.2 U	10 U	2.1 U	5.2 UJ	1.0 U	1.0 U	NA
Nonane	1.0 U	1.0 U	1.0 U	1.0 U	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	5.2 U	10 U	2.1 U	5.2 UJ	1.0 U	1.0 U	NA
Octane, n-	0.93 U	0.93 U	0.93 U	0.93 U	NA	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	9.3 U	4.7 UJ	9.3 U	1.2 J	4.7 UJ	0.93 U	0.93 U	NA
Pentane	0.59 U	0.32 J	0.62	0.38 J	NA	0.35 J	14	0.33 J	0.17 J	0.37 J	5.9 U	3.0 U	5.9 U	100	9.0 J	0.59 U	0.59 U	NA
Propanol, 2-	1.2 U	1.2 UJ	1.2 U	1.2 UJ	NA	1.2 UJ	3.0 U	1.2 UJ	1.2 U	1.2 U	12 U	6.1 U	12 U	2.4 U	6.1 UJ	1.2 UJ	0.49 UJ	NA
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.85 U	0.85 U	0.85 U	0.85 U	NA	0.85 U	0.34 J	0.85 U	0.85 U	0.85 U	8.5 U	4.3 U	8.5 U	1.7 U	4.3 UJ	0.85 U	0.85 U	NA
t-Butyl alcohol	0.42 J	0.30 J	0.21 J	0.61 U	NA	0.36 J	0.73	0.26 J	0.61 U	0.30 J	6.1 U	3.0 U	6.1 U	1.8	3.0 UJ	0.61 U	0.61 U	NA
Tetrachloroethane, 1,1,2,2-	1.4 U	1.4 U	1.4 U	1.4 U	NA	1.4 UJ	1.4 UJ	1.4 U	1.4 U	1.4 U	14 U	6.9 U	14 U	2.7 U	6.9 UJ	1.4 U	1.4 U	NA
Tetrachloroethene	16	15	13	16	NA	19	20	32	38	32	36	59 J	40	50	20 J	1.4 U	0.95 J	NA
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	1.1 U	1.1 U	1.1 U	1.1 U	NA	0.27 J	0.33 J	0.28 J	1.1 U	1.1 U	11 UJ	5.5 UJ	11 UJ	2.2 UJ	5.5 UJ	2.7 U	2.8 J	NA
Thiophene	0.69 U	0.69 U	0.69 U	0.69 U	NA	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	6.9 U	3.4 U	6.9 U	1.4 U	3.4 UJ	0.69 U	0.69 U	NA
Trans-1,2-dichloroethene	0.79 U	0.79 U	0.79 U	0.79 U	NA	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	7.9 U	4.0 U	7.9 U	1.6 U	4.0 UJ	0.79 U	0.79 U	NA
Trichloro-1,2,2-trifluoroethane, 1,1,2-	0.77 J	0.54 J	0.77 J	0.69 J	NA	0.77 J	0.84 J	0.70 J	1.5 U	0.65 J	15 U	7.7 U	15 U	0.92 J	7.7 UJ	1.5 U	0.47 J	NA
Trichlorobenzene, 1,2,4-	1.5 U	1.5 U	1.5 U	1.5 U	NA	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	15 U	7.4 U	15 U	3.0 U	7.4 UJ	1.5 U	1.5 U	NA
Trichloroethane, 1,1,1-	0.71 J	0.71 J	0.60 J	0.65 J	NA	0.76 J	0.71 J	0.75 J	0.87 J	0.75 J	11 U	5.4 U	11 U	1.2 J	5.4 UJ	1.1 U	0.44 J	NA
Trichloroethane, 1,1,2-	1.1 U	1.1 U	1.1 U	1.1 U	NA	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	11 U	5.4 U	11 U	2.2 U	5.4 UJ	1.1 U	1.1 U	NA
Trichloroethene	1.6	1.1	1.2	1.3	NA	1.8	1.6	1.9	2.0	1.8	11 U	5.4	2.7 J	4.6	1.3 J	1.1 U	1.1 U	NA
Trichlorofluoromethane	66	42	49	74	NA	81	85	66	25	23	31	11	6.7 J	3.6	2.5 J	4.3	14	NA
Trimethylbenzene, 1,2,3-	0.98 U	0.98 U	0.98 U	0.98 U	NA	0.49 J	0.49 J	0.39 J	0.98 U	0.98 U	9.8 U	4.9 U	9.8 U	0.79 J	4.9 UJ	0.98 U	0.43 J	NA
Trimethylbenzene, 1,2,4-	0.44 J	0.34 J	0.29 J	0.49 J	NA	0.74 J	0.44 J	0.98 U	0.98 U	0.98 U	9.8 U	4.9 U	9.8 U	0.79 J	4.9 UJ	0.98 U	0.58 J	NA
Trimethylbenzene, 1,3,5-	0.98 U	0.98 U	0.98 U	0.98 U	NA	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	9.8 U	4.9 U	9.8 U	2.0 U	4.9 UJ	0.98 U	0.98 U	NA
Trimethylpentane, 2,2,4-	0.93 U	0.93 U	0.93 U	0.93 U	NA	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	9.3 U	4.7 U	9.3 U	1.9 U	4.7 UJ	0.93 U	0.93 U	NA
Undecane, n-	1.3 U	1.3 U	1.3 U	2.8	NA	1.3 UJ	6.4	1.3 U	1.3 U	0.44 J	13 U	6.4 U	13 U	2.6 U	1.6 J	1.3 U	1.6	NA
Vinyl bromide	0.87 U	0.87 U	0.87 U	0.87 U	NA	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	8.7 U	4.4 U	8.7 U	1.8 U	4.4 UJ	0.87 U	0.87 U	NA
Vinyl chloride	0.51 U	0.51 U	0.51 U	0.51 U	NA	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	5.1 U	2.6 U	5.1 U	1.0 U	2.6 UJ	0.51 U	0.51 U	NA
Other (%)																		
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	0.03	0.0194 U	0.0165 U	0.0195 U	NA	0.016 U	NA	0.017 U	0.018	0.0212 U	0.0175 U	0.0183 U	0.02	0.0206 U	0.00382 U	0.017 U	0.0243 U	NA

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	Duplicate of OU4SV-2 4/28/2009	OU4SV-2 4/29/2009	Duplicate of OU4SV-2 4/29/2009	OU4SV-2 4/30/2009	OU4SV-2 5/1/2009	OU4SV-2 5/4/2009	OU4SV-2 5/5/2009	OU4SV-2 5/8/2009	Duplicate of OU4SV-2 5/8/2009	OU4SV-2 5/12/2009	OU4SV-2 5/15/2009	OU4SV-2 5/21/2009	OU4SV-2 6/3/2009	OU4SV-2 6/17/2009	OU4SV-2 6/19/2009	OU4SV-2 7/9/2009	Duplicate of OU4SV-2 7/9/2009	OU4SV-2 8/25/2009		
BTEX (ug/m3)																				
Benzene	NA	0.64 U	0.64 U	1.6 U	0.64 U	6.4 U	0.64 U	0.64 U	0.64 U	NA	0.29 J	0.26 J	0.64 U	0.64 U	0.64 U	6.4 U	6.4 U	1.6 J		
Toluene	NA	57	56	22	11	20	22	6.1 J	8.7 J	NA	6.2	5.0	8.4	2.2	4.6	3.8 J	4.0 J	6.4		
Ethylbenzene	NA	0.51 J	0.59 J	2.2 U	0.87 U	8.7 U	0.39 J	0.22 J	0.26 J	NA	0.87 U	0.87 U	1.3	0.87 U	0.87 U	8.7 U	8.7 U	4.3 U		
Xylene, m,p-	NA	1.5 J	1.7 J	1.4 J	0.69 J	17 U	1.1 J	0.82 J	0.91 J	NA	0.52 J	1.7 U	5.4	1.7 U	1.7 U	17 U	17 U	8.7 U		
Xylene, o-	NA	0.79 J	0.88	0.76 J	0.39 J	8.7 U	0.56 J	0.48 J	0.56 J	NA	0.26 J	0.87 U	1.4	0.87 U	0.87 U	8.7 U	8.7 U	4.3 U		
Other VOCs (ug/m3)																				
Acetaldehyde	NA	4.5 UJ	4.5 UJ	14 U	4.5 UJ	45 U	4.5 UJ	15 J	13 J	NA	4.5 UJ	4.5 U	4.5 UJ	4.5 U	4.5 UJ	45 UJ	45 UJ	22 UJ		
Acetone	NA	4.4 U	4.9 U	8.0 U	2.9 U	18 U	4.8 U	4.1 U	4.8 U	NA	3.0 U	3.1 U	3.0 U	2.1 U	5.7 U	18 UJ	18 UJ	8.9 UJ		
Acrolein (propenal)	NA	1.2 U	1.2 U	2.1 J	1.2 U	11 U	1.2 U	1.2 U	1.2 U	NA	1.2 UJ	0.34 J	0.43 J	1.2 U	0.55 J	11 U	11 U	5.7 U		
Allyl chloride	NA	0.63 U	0.63 U	1.6 U	0.63 U	6.3 U	0.63 U	0.63 U	0.63 U	NA	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	6.3 U	6.3 U	3.1 U		
Benzothiophene	NA	1.1 U	1.1 U	2.7 U	1.1 U	11 U	1.1 U	1.1 U	1.1 U	NA	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	11 UJ	11 UJ	5.5 UJ		
Bromodichloromethane	NA	1.3 U	1.3 U	3.4 U	1.3 U	13 U	1.3 U	1.3 U	1.3 U	NA	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	13 U	13 U	6.7 U		
Bromoform	NA	2.1 U	2.1 U	5.2 U	2.1 U	21 U	2.1 U	2.1 U	2.1 U	NA	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	21 U	21 U	10 U		
Bromomethane	NA	0.78 U	0.78 U	1.9 U	0.78 U	7.8 U	0.78 U	0.78 U	0.78 U	NA	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	7.8 U	7.8 U	3.9 U		
Butadiene, 1,3-	NA	0.44 U	0.44 U	1.1 U	0.44 U	4.4 U	0.44 U	0.44 U	0.44 U	NA	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	4.4 U	4.4 U	2.2 U		
Butane	NA	0.48 U	0.48 U	1.0 J	0.29 J	4.8 U	0.48 U	0.29 J	0.31 J	NA	0.50	0.48 U	0.48 U	0.48 U	0.48 U	4.4 U	240	210	760	
Butanone, 2-	NA	0.86	0.92	1.5 U	0.53 J	5.9 U	1.7	0.80	0.80	NA	0.53 J	0.47 J	0.39 J	0.59 U	0.56 J	5.9 U	5.9 U	2.6 J		
Carbon disulfide	NA	1.5	1.0	1.6	0.93	6.2 U	2.3	0.56 J	1.0	NA	1.3	2.2	1.4	2.1	2.8	6.2 UJ	6.2 UJ	1.9 J		
Carbon tetrachloride	NA	1.3 U	1.3 U	3.1 U	1.3 U	13 U	1.3 U	1.3 U	1.3 U	NA	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	13 U	13 U	6.3 U		
Chlorobenzene	NA	0.92 U	0.92 U	2.3 U	0.92 U	9.2 U	0.92 U	0.92 U	0.92 U	NA	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	9.2 U	9.2 U	4.6 UJ		
Chloroethane	NA	0.53 U	0.53 U	1.3 U	0.53 U	5.3 U	0.53 U	0.53 U	0.53 U	NA	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	5.3 U	5.3 U	9.0	7.2	4.5
Chloroform	NA	0.53 J	0.49 J	2.4 U	0.54 J	9.8 U	0.39 J	0.39 J	0.39 J	NA	0.49 J	0.59 J	0.60 J	0.56 J	0.62 J	9.8 U	9.8 U	1.5 J		
Chloromethane	NA	4.1 U	0.41 U	0.67 J	0.41 U	4.1 U	0.41 U	0.41 U	0.41 U	NA	0.21 J	0.25 J	0.41 U	0.41 U	0.41 U	11	8.7	1.0 J		
Chlorotoluene, 2-	NA	1.0 U	1.0 U	2.6 U	1.0 U	10 U	1.0 U	1.0 U	1.0 U	NA	1.0 U	1.0 U	0.43 J	1.0 U	1.0 U	10 U	10 U	5.2 U		
Cryofluorane	NA	1.4 U	1.4 U	3.5 UJ	1.4 U	14 U	1.4 U	1.4 U	1.4 U	NA	1.4 UJ	1.4 UJ	1.4 U	1.4 U	1.4 U	14 U	14 U	7.0 U		
Cyclohexane	NA	24	25	6.5	2.7	10	10	7.9	9.2	NA	2.0	1.5	0.49 J	0.37 J	0.88	12	9.2	32		
Decane, n-	NA	0.45 J	0.51 J	2.9 U	1.2 U	12 U	1.2 U	0.52 J	1.2 U	NA	1.2 U	1.2 U	1.1 J	1.2 U	1.2 U	12 U	12 U	5.8 U		
Dibromochloromethane	NA	1.7 U	1.7 U	4.3 U	1.7 U	17 U	1.7 U	1.7 U	1.7 U	NA	1.7 UJ	1.7 UJ	1.7 U	1.7 U	1.7 U	17 U	17 U	8.5 UJ		
Dibromoethane, 1,2-	NA	1.5 U	1.5 U	3.8 U	1.5 U	15 U	1.5 U	1.5 U	1.5 U	NA	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	15 U	15 U	7.7 U		
Dichlorobenzene, 1,2-	NA	0.37 J	0.41 J	3.0 U	1.2 U	12 U	1.2 U	1.2 U	0.36 J	NA	0.48 J	0.36 J	1.2 U	1.2 U	1.2 U	12 U	12 U	6.0 U		
Dichlorobenzene, 1,3-	NA	1.2 U	1.2 U	3.0 U	1.2 U	12 U	1.2 U	1.2 U	1.2 U	NA	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	12 U	12 U	6.0 U		
Dichlorobenzene, 1,4-	NA	0.99 J	1.2	1.0 J	0.78 J	12 U	0.72 J	0.72 J	0.78 J	NA	1.4	1.3	0.50 J	1.1 J	1.5	12 U	12 U	3.0 J		
Dichlorodifluoromethane	NA	2.3	1.5	2.5	2.0	3.5 J	1.5	1.4	1.3	NA	1.6	2.3	1.5	2.3	1.9	8.0 J	7.5 J	6.2		
Dichloroethane, 1,1-	NA	0.81 U	0.81 U	2.0 U	0.81 U	8.1 U	0.81 U	0.81 U	0.81 U	NA	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	8.1 U	8.1 U	4.0 U		
Dichloroethane, 1,2-	NA	0.81 U	0.81 U	2.0 U	0.81 U	8.1 U	0.81 U	0.81 U	0.81 U	NA	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	8.1 U	8.1 U	4.0 U		
Dichloroethene, 1,1-	NA	0.79 U	0.79 U	2.0 U	0.79 U	7.9 U	0.79 U	0.79 U	0.79 U	NA	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	7.9 U	7.9 U	4.0 U		
Dichloroethene, cis-1,2-	NA	0.79 U	0.79 U	2.0 U	0.79 U	7.9 U	0.79 U	0.79 U	0.79 U	NA	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	7.9 U	7.9 U	4.0 U		
Dichloropropane, 1,2-	NA	0.92 U	0.92 U	2.3 U	0.92 U	9.2 U	0.92 U	0.92 U	0.92 U	NA	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	9.2 U	9.2 U	4.6 U		
Dichloropropene, cis-1,3	NA	0.91 U	0.91 U	2.3 U	0.91 U	9.1 U	0.91 U	0.91 U	0.91 U	NA	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	9.1 U	9.1 U	4.5 U		
Dichloropropene, trans-1,3	NA	0.91 U	0.91 U	2.3 U	0.91 U	9.1 U	0.91 U	0.91 U	0.91 U	NA	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	9.1 U	9.1 U	4.5 U		
Dioxane, 1,4-	NA	0.72 UJ	0.72 UJ	1.8 U	0.72 UJ	7.2 UJ	0.72 UJ	0.72 UJ	0.72 UJ	NA	0.72 UJ	0.18 J	0.72 UJ	0.72 UJ	0.72 UJ	7.2 UJ	7.2 UJ	3.6 U		
Decadecane, n-	NA	1.4	1.5	1.0 J	0.49 J	14 UJ	1.2 J	2.6	3.1	NA	0.56 J	0.90 J	0.39 J	0.86 J	1.3 J	14 U	14 U	7.0 U		
Ethanol	NA	4.4 U	4.6 U	9.3	5.0 U	19 U	6.5	3.3	3.3	NA	4.1	9.5	4.1 U	1.9 U	5.2 U	19 U	19 U	8.2 J		
Ethylthiophene, 2-	NA	0.92 U	0.92 U	2.3 U	0.92 U	9.2 U	0.92 U	0.92 U	0.92 U	NA	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	9.2 U	9.2 U	4.6 U		

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	Duplicate of OU4SV-2 4/28/2009	OU4SV-2 4/29/2009	Duplicate of OU4SV-2 4/29/2009	OU4SV-2 4/30/2009	OU4SV-2 5/1/2009	OU4SV-2 5/4/2009	OU4SV-2 5/5/2009	OU4SV-2 5/8/2009	Duplicate of OU4SV-2 5/8/2009	OU4SV-2 5/12/2009	OU4SV-2 5/15/2009	OU4SV-2 5/21/2009	OU4SV-2 6/3/2009	OU4SV-2 6/17/2009	OU4SV-2 6/19/2009	OU4SV-2 7/9/2009	Duplicate of OU4SV-2 7/9/2009	OU4SV-2 8/25/2009
Ethyltoluene, p-	NA	0.98 U	0.98 U	2.5 U	0.98 U	9.8 U	0.98 U	0.98 U	0.98 U	NA	0.98 U	0.98 U	0.37 J	0.98 U	0.98 U	9.8 U	9.8 U	4.9 U
Heptane, n-	NA	0.82 U	0.82 U	0.82 J	0.82 U	8.2 U	0.82 U	0.82 U	0.82 U	NA	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	10	9.2	4.1 U
Hexachlorobutadiene	NA	2.1 U	2.1 U	5.3 U	2.1 U	21 U	2.1 U	2.1 U	2.1 U	NA	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	21 U	21 U	11 U
Hexane, n-	NA	0.60 J	0.63 J	0.88 J	0.70 U	7.0 U	0.70 U	0.25 J	0.70 U	NA	0.70 U	0.70 U	0.70 U	0.70 U	0.20 J	23	19	4.4
Hexanone, 2-	NA	0.82 U	0.82 U	2.0 U	0.82 U	8.2 U	0.82 U	0.82 U	0.82 U	NA	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	8.2 U	8.2 U	4.1 U
Hydrogen sulfide	6.94 U	NA	NA	NA	NA	NA	NA	NA	NA	6.94 U	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NA	0.97 U	0.97 U	2.4 U	0.97 U	9.7 U	0.97 U	0.97 U	0.97 U	NA	0.97 U	0.97 U	0.37 J	0.97 U	0.97 U	9.7 U	9.7 U	4.8 U
Indene	NA	0.95 U	0.95 U	2.4 U	0.95 U	9.5 U	0.95 U	0.95 U	0.95 U	NA	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	9.5 U	9.5 U	4.8 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	NA	0.72 U	0.72 U	1.8 U	0.72 U	7.2 U	0.72 U	0.72 U	0.72 U	NA	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	7.2 U	7.2 U	3.6 U
Methyl-2-pentanone, 4-	NA	1.0	0.86	0.51 J	0.82 U	8.2 U	0.82 U	0.82 U	0.82 U	NA	0.82 U	0.82 U	0.50 J	0.82 U	0.82 U	8.2 U	8.2 U	4.1 U
Methylene chloride	NA	1.7 U	1.7 U	1.5 J	1.7 U	17 U	1.9	2.2	1.5 J	NA	1.7 U	0.83 J	0.66 J	1.7 U	0.91 U	17 UJ	17 UJ	8.7 U
Methylnaphthalene, 1-	NA	0.45 J	0.46 J	2.9 U	1.2 U	12 U	1.2 U	1.2 U	1.2 U	NA	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	12 UJ	12 UJ	5.8 U
Methylnaphthalene, 2-	NA	0.69 J	0.76 J	2.9 U	0.46 J	12 U	1.2 U	1.2 U	1.2 U	NA	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	12 UJ	12 UJ	5.8 U
Methylthiophene, 2-	NA	0.80 U	0.80 U	2.0 U	0.80 U	8.0 U	0.80 U	0.80 U	0.80 U	NA	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	8.0 U	8.0 U	4.0 U
Methylthiophene, 3-	NA	0.80 U	0.80 U	2.0 U	0.80 U	8.0 U	0.80 U	0.80 U	0.80 U	NA	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	8.0 U	8.0 U	4.0 U
Naphthalene	NA	0.68 J	0.76 J	2.6 U	0.42 J	10 U	0.47 J	1.0 U	0.47 J	NA	0.42 J	0.37 J	1.0 U	1.0 U	0.28 J	10 U	10 U	5.2 U
Nonane	NA	1.0 U	0.29 J	0.66 J	1.0 U	10 U	1.0 U	1.0 U	1.0 U	NA	1.0 U	1.0 U	0.93 J	1.0 U	1.0 U	10 U	10 U	5.2 U
Octane, n-	NA	0.93 U	0.93 U	2.3 U	0.93 U	9.3 U	0.93 U	0.93 U	0.93 U	NA	0.93 U	0.93 U	1.9	0.93 U	0.93 U	4.1 J	3.1 J	4.7 UJ
Pentane	NA	1.6	1.3	2.1	0.59 U	5.9 U	0.59 U	0.35 J	0.38 J	NA	0.59 U	0.59 U	0.59 U	0.59 U	0.47 J	64	56	150
Propanol, 2-	NA	2.8 U	3.3 U	3.0 U	1.5 U	12 UJ	1.2 U	1.2 U	1.2 U	NA	1.2 U	1.2 U	1.2 U	1.2 UJ	0.62 U	12 U	6.6 J	6.1 U
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	NA	0.31 J	0.49 J	2.1 U	0.85 U	8.5 U	0.26 J	0.85 U	0.21 J	NA	0.85 U	0.85 U	0.57 J	0.85 U	0.85 U	8.5 U	8.5 U	4.3 U
t-Butyl alcohol	NA	0.21 J	0.61 U	1.5 U	0.61 U	6.1 U	0.61 U	0.61 U	0.18 J	NA	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	6.1 U	6.1 U	3.0 U
Tetrachloroethane, 1,1,2,2-	NA	1.4 U	1.4 U	3.4 UJ	1.4 U	14 U	1.4 U	1.4 U	1.4 U	NA	1.4 UJ	1.4 UJ	1.4 U	1.4 U	1.4 U	14 U	14 U	6.9 U
Tetrachloroethene	NA	0.79 J	0.91 J	0.85 J	0.61 J	14 U	0.47 J	0.47 J	0.47 J	NA	0.75 J	0.75 J	2.3	1.5 U	1.9 U	14 U	14 U	2.7 J
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NA	0.49 J	0.48 J	2.7 U	1.1 U	11 U	1.1 U	0.33 J	0.33 J	NA	0.27 J	0.33 J	1.1 U	1.1 U	1.1 U	11 UJ	11 UJ	5.5 UJ
Thiophene	NA	0.69 U	0.69 U	1.7 U	0.69 U	6.9 U	0.69 U	0.69 U	0.69 U	NA	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	6.9 U	6.9 U	3.4 U
Trans-1,2-dichloroethene	NA	0.79 U	0.79 U	2.0 U	0.79 U	7.9 U	0.79 U	0.79 U	0.79 U	NA	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	7.9 U	7.9 U	4.0 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	NA	0.55 J	0.41 J	3.8 U	0.46 J	15 U	0.46 J	0.38 J	0.38 J	NA	1.5 UJ	0.61 J	0.55 J	1.5 U	0.70 J	15 U	15 U	7.7 U
Trichlorobenzene, 1,2,4-	NA	1.5 U	1.5 U	3.7 U	1.5 U	15 U	1.5 U	1.5 U	1.5 U	NA	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	15 U	15 U	7.4 U
Trichloroethane, 1,1,1-	NA	0.51 J	0.59 J	2.7 U	0.49 J	11 U	1.1 U	0.44 J	0.38 J	NA	0.49 J	0.60 J	0.48 J	0.73 J	0.58 J	11 U	11 U	2.4 J
Trichloroethane, 1,1,2-	NA	1.1 U	1.1 U	2.7 U	1.1 U	11 U	1.1 U	1.1 U	1.1 U	NA	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	11 U	11 U	5.4 U
Trichloroethene	NA	1.1 U	1.1 U	2.7 U	1.1 U	11 U	1.1 U	1.1 U	1.1 U	NA	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	11 U	11 U	5.4 U
Trichlorofluoromethane	NA	17 J	10 J	18	15	16	12	11	11	NA	13	20	14	23	15	30	28	40
Trimethylbenzene, 1,2,3-	NA	0.98 U	0.98 U	2.5 U	0.98 U	9.8 U	0.98 U	0.98 U	0.98 U	NA	0.98 UJ	0.98 UJ	0.25 J	0.98 U	0.98 U	9.8 U	9.8 U	4.9 U
Trimethylbenzene, 1,2,4-	NA	0.42 J	0.52 J	2.5 U	0.34 J	9.8 U	0.34 J	0.34 J	0.39 J	NA	0.29 J	0.98 U	0.64 J	0.98 U	0.98 U	9.8 U	9.8 U	4.9 U
Trimethylbenzene, 1,3,5-	NA	0.98 U	0.98 U	2.5 U	0.98 U	9.8 U	0.98 U	0.98 U	0.98 U	NA	0.98 U	0.98 UJ	0.28 J	0.98 U	0.98 U	9.8 U	9.8 U	4.9 U
Trimethylpentane, 2,2,4-	NA	0.93 UJ	0.93 UJ	2.3 U	0.93 U	9.3 U	0.93 U	0.93 U	0.93 U	NA	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	9.3 U	9.3 U	4.7 U
Undecane, n-	NA	0.69 J	0.98 J	0.80 J	0.38 J	13 U	1.3 U	2.6	1.3	NA	1.3 U	0.51 J	0.50 J	1.3 U	0.81 J	13 U	13 U	6.4 U
Vinyl bromide	NA	0.87 U	0.87 U	2.2 UJ	0.87 U	8.7 U	0.87 U	0.87 U	0.87 U	NA	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	8.7 U	8.7 U	4.4 U
Vinyl chloride	NA	0.51 U	0.51 U	1.3 U	0.51 U	5.1 U	0.51 U	0.51 U	0.51 U	NA	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	5.1 U	5.1 U	2.6 U
Other (%)																		
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NA	0.0178 U	0.018 U	0.0185 U	0.0192 U	0.0224 U	0.02 U	0.0195 U	0.0244 U	NA	0.018 U	0.0199 U	0.053	0.0184	0.02 U	0.0194 U	0.0192 U	0.0184 U

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU4SV-2 9/15/2009	OU4SV-2 9/29/2009	OU4SV-2 10/30/2009	OU4SV3 3/23/2009	OU4SV-3 4/27/2009	OU4SV-3 4/28/2009	OU4SV-3 4/29/2009	OU4SV-3 4/30/2009	OU4SV-3 5/1/2009	OU4SV-3 5/4/2009	OU4SV-3 5/5/2009	OU4SV-3 5/8/2009	OU4SV-3 5/12/2009	OU4SV-3 5/15/2009	OU4SV-3 5/21/2009	OU4SV-3 6/3/2009	OU4SV-3 6/17/2009	OU4SV-3 6/19/2009	
BTEX (ug/m3)																			
Benzene	6.4 U	3.2 U	6.4 U	0.29 J	7.1	NA	8.8	17	11	12	13	20	NA	19	32	48	28	30	
Toluene	6.4 J	1.1 J	7.5 U	0.41 J	2.3	NA	8.7	4.0	16	14	8.4	4.8	NA	4.8	10	10	5.2	7.0	
Ethylbenzene	8.7 U	4.3 U	8.7 U	0.87 U	2.2 U	NA	1.5	0.76 J	1.0	0.65 J	0.48 J	0.65 J	NA	0.56 J	1.8	1.9	0.92	1.2	
Xylene, m,p-	17 U	8.7 U	17 U	1.7 U	1.4 J	NA	3.9	1.8 J	2.8	1.8	1.1 J	1.9	NA	0.95 J	5.0	4.9	1.5 J	2.6	
Xylene, o-	8.7 U	4.3 U	8.7 U	0.87 U	1.1 J	NA	1.2	0.87 J	2.0	1.6	0.74 J	0.95	NA	0.52 J	2.1	2.6	0.70 J	1.1	
Other VOCs (ug/m3)																			
Acetaldehyde	18 UJ	22 U	45 U	3.6 UJ	11 UJ	NA	4.5 UJ	11 UJ	4.5 UJ	4.5 UJ	4.5 UJ	4.5 UJ	NA	4.5 UJ	4.5 UJ	4.5 UJ	4.5 UJ	4.5 UJ	
Acetone	12 U	12 U	18 U	1.8 UJ	4.4 UJ	NA	1.8 UJ	4.4 UJ	2.0 U	1.8 UJ	3.9 U	1.8 UJ	NA	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ	
Acrolein (propenal)	11 U	5.7 U	11 U	0.46 U	0.64 J	NA	1.3 U	1.9 J	1.2 U	1.2 U	1.2 U	1.2 U	NA	0.71 J	0.71 J	0.89 J	1.2 U	0.79 J	
Allyl chloride	6.3 U	3.1 U	6.3 U	0.63 U	1.6 U	NA	0.63 U	1.6 U	0.63 U	0.63 U	0.63 U	0.63 U	NA	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	
Benzothiophene	11 UJ	5.5 U	11 UJ	2.7 U	34 UJ	NA	1.1 U	2.7 U	1.1 U	1.1 U	1.1 U	1.1 U	NA	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	
Bromodichloromethane	13 U	6.7 U	13 U	1.3 U	3.4 U	NA	1.3 U	3.4 U	1.3 U	1.3 U	1.3 U	1.3 U	NA	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	
Bromoform	21 U	10 U	21 U	2.1 U	5.2 U	NA	2.1 U	5.2 U	2.1 U	2.1 U	2.1 U	2.1 U	NA	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	
Bromomethane	7.8 U	3.9 U	7.8 U	0.78 U	1.9 U	NA	0.78 U	1.9 U	0.78 U	0.78 U	0.78 U	0.78 U	NA	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	
Butadiene, 1,3-	4.4 U	2.2 U	4.4 U	0.44 U	1.1 U	NA	0.44 U	1.1 U	0.44 U	0.44 U	0.44 U	0.44 U	NA	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	
Butane	88	2.4 U	4.8 U	47	79	NA	47	70	41	95	39	49	NA	46	45	100	180	140	
Butanone, 2-	5.9 U	3.0 U	5.9 U	0.59 U	3.5	NA	2.0	1.5 U	0.71	1.1	0.77	1.8	NA	1.1	1.2	1.5	1.2	1.6	
Carbon disulfide	6.2 U	1.2 J	6.2 U	0.62 U	3.9	NA	1.4	0.62 J	3.0	2.7	2.6	0.44 J	NA	0.31 J	0.50 J	0.95	0.35 J	0.36 J	
Carbon tetrachloride	13 U	6.3 U	13 U	1.3 U	3.1 U	NA	1.3 U	3.1 U	1.3 U	1.3 U	1.3 U	1.3 U	NA	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	
Chlorobenzene	9.2 U	4.6 U	9.2 U	0.92 U	2.3 U	NA	0.92 U	2.3 U	0.92 U	0.92 U	0.92 U	0.92 U	NA	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	
Chloroethane	5.3 U	2.6 U	5.3 U	0.53 U	1.3 U	NA	0.53 U	1.3 U	0.53 U	0.53 U	0.53 U	0.53 U	NA	0.53 U	0.53 U	0.53 U	0.70	0.50 J	
Chloroform	9.8 U	4.9 U	9.8 U	0.24 J	1.1 J	NA	1.1	1.2 J	1.0	0.78 J	0.73 J	0.78 J	NA	0.83 J	1.2	0.99	1.0	0.83 J	
Chloromethane	4.1 U	2.1 U	4.1 U	0.23 J	1.2	NA	0.53 U	1.3	0.68 U	0.89	0.62	0.76	NA	0.56	0.43	0.64 U	0.46 U	0.42 U	
Chlorotoluene, 2-	10 U	5.2 U	10 U	1.0 U	2.6 U	NA	1.0 U	2.6 U	1.0 U	1.0 U	1.0 U	1.0 U	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
Cryofluorane	14 U	7.0 U	14 U	1.4 U	3.5 U	NA	1.4 U	3.5 UJ	1.4 U	1.4 U	1.4 U	1.4 U	NA	1.4 UJ	1.4 UJ	1.4 U	1.4 U	1.4 U	
Cyclohexane	7.2	3.4 U	6.9 U	2.0	2.9	NA	3.7	4.0	7.0	7.4	5.3	4.2	NA	3.1	4.1	5.6	6.2	6.5	
Decane, n-	12 U	5.8 U	12 U	1.2 U	2.9 U	NA	1.2 U	2.9 U	1.2 U	1.2 U	1.2 U	9.2 J	NA	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ	
Dibromochloromethane	17 U	8.5 U	17 U	1.7 U	4.3 U	NA	1.7 U	4.3 U	1.7 U	1.7 U	1.7 U	1.7 U	NA	1.7 UJ	1.7 UJ	1.7 U	1.7 U	1.7 U	
Dibromoethane, 1,2-	15 U	7.7 U	15 U	1.5 U	3.8 U	NA	1.5 U	3.8 U	1.5 U	1.5 U	1.5 U	1.5 U	NA	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	
Dichlorobenzene, 1,2-	12 U	6.0 U	12 U	1.2 U	3.0 U	NA	1.2 U	3.0 U	1.2 U	1.2 U	1.2 U	1.2 U	NA	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	
Dichlorobenzene, 1,3-	12 U	6.0 U	12 U	1.2 U	0.93 J	NA	0.35 J	3.0 U	1.2 U	1.2 U	1.2 U	4.9	NA	1.2 U	1.2	0.43 J	1.8	1.3	
Dichlorobenzene, 1,4-	12 U	6.0 U	12 U	1.2 U	3.0 U	NA	1.2 U	3.0 U	1.2 U	1.2 U	1.2 U	0.90 J	NA	1.2 U	1.2 U	0.42 J	0.77 J	0.88 J	
Dichlorodifluoromethane	4.9 J	2.2 J	3.5 J	3.1	3.6	NA	1.8	2.6	1.6	2.9	1.4	1.3	NA	1.9	1.9	1.8	1.8	1.1	
Dichloroethane, 1,1-	8.1 U	4.0 U	8.1 U	0.53 J	2.0 J	NA	2.3	2.6	2.1	1.7	1.7	2.1	NA	1.9	2.8	3.0	3.7	3.5	
Dichloroethane, 1,2-	8.1 U	4.0 U	8.1 U	0.81 UJ	2.0 U	NA	0.81 U	2.0 U	0.81 U	0.81 U	0.81 U	0.81 U	NA	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	
Dichloroethene, 1,1-	7.9 U	4.0 U	7.9 U	0.79 U	2.0 U	NA	0.79 U	2.0 U	0.79 U	0.79 U	0.79 U	0.79 U	NA	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	
Dichloroethene, cis-1,2-	7.9 U	4.0 U	7.9 U	0.79 U	2.0 U	NA	0.79 U	2.0 U	0.79 U	0.79 U	0.79 U	0.79 U	NA	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	
Dichloropropane, 1,2-	9.2 U	4.6 U	9.2 U	0.92 U	2.3 U	NA	0.92 U	2.3 U	0.92 U	0.92 U	0.92 U	0.92 U	NA	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	
Dichloropropene, cis-1,3	9.1 U	4.5 U	9.1 U	0.91 U	2.3 U	NA	0.91 U	2.3 U	0.91 U	0.91 U	0.91 U	0.91 U	NA	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	
Dichloropropene, trans-1,3	9.1 U	4.5 U	9.1 U	0.91 U	2.3 U	NA	0.91 U	2.3 U	0.91 U	0.91 U	0.91 U	0.91 U	NA	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	
Dioxane, 1,4-	7.2 U	3.6 U	7.2 U	0.72 U	11 J	NA	0.72 UJ	1.8 U	0.72 UJ	0.72 UJ	0.72 UJ	0.72 UJ	NA	0.72 U	0.18 J	0.72 UJ	0.72 UJ	0.72 UJ	
Dodecane, n-	14 U	7.0 U	14 U	3.5 U	760 J	NA	0.37 J	4.2	3.5	1.8 J	1.6	9.1	NA	4.3	7.7	9.9	15	11	
Ethanol	5.3 J	9.5 U	19 U	2.5 J	7.5	NA	38	100	8.7	2.2	2.6 U	25	NA	69	95	12	19	12	
Ethylthiophene, 2-	9.2 U	4.6 U	9.2 U	0.92 U	2.3 U	NA	0.92 U	2.3 U	0.92 U	0.92 U	0.92 U	0.92 U	NA	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	

Table 6-1
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Sample Name: Sample Date:	OU4SV-2 9/15/2009	OU4SV-2 9/29/2009	OU4SV-2 10/30/2009	OU4SV3 3/23/2009	OU4SV-3 4/27/2009	OU4SV-3 4/28/2009	OU4SV-3 4/29/2009	OU4SV-3 4/30/2009	OU4SV-3 5/1/2009	OU4SV-3 5/4/2009	OU4SV-3 5/5/2009	OU4SV-3 5/8/2009	OU4SV-3 5/12/2009	OU4SV-3 5/15/2009	OU4SV-3 5/21/2009	OU4SV-3 6/3/2009	OU4SV-3 6/17/2009	OU4SV-3 6/19/2009	
Ethyltoluene, p-	9.8 U	4.9 U	9.8 U	0.98 U	2.5 U	NA	0.26 J	2.5 U	0.98 U	0.98 U	0.98 U	0.54 J	NA	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	
Heptane, n-	8.2 U	4.1 U	8.2 U	1.4	2.0 U	NA	0.63 J	2.0 U	0.37 J	0.37 J	0.25 J	0.57 J	NA	0.82 U	0.37 J	0.35 J	0.29 J	0.57 J	
Hexachlorobutadiene	21 U	11 UJ	21 U	2.1 U	5.3 U	NA	2.1 U	5.3 U	2.1 U	2.1 U	2.1 U	NA	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	
Hexane, n-	7.0 U	3.5 U	7.0 U	0.70 U	1.9	NA	2.1	1.8	1.1	1.2	0.85	0.99	NA	0.70	0.74	0.54 J	0.47 J	1.4	
Hexanone, 2-	8.2 U	4.1 U	8.2 U	2.0 U	16	NA	0.82 U	2.0 U	0.29 J	0.82 U	0.82 U	0.82 U	NA	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	
Hydrogen sulfide	NA	NA	NA	NA	NA	6.94 U	NA	NA	NA	NA	NA	NA	6.94 U	NA	NA	NA	NA	NA	
Indan	9.7 U	4.8 U	9.7 U	0.97 U	2.4 U	NA	0.97 U	2.4 U	0.97 U	0.97 U	0.97 U	0.43 J	NA	0.97 U	0.43 J	0.97 U	0.97 U	0.97 U	
Indene	9.5 U	4.8 U	9.5 U	0.95 U	2.4 U	NA	0.95 U	2.4 U	0.95 U	0.95 U	0.95 U	0.95 U	NA	0.95 U	0.43 J	0.38 J	0.95 U	0.95 U	
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methyl tert-butyl ether	7.2 U	3.6 U	7.2 U	0.72 U	1.8 U	NA	0.72 U	1.2 J	1.2	0.86	0.79	0.90	NA	0.90	1.2	1.3	1.4	1.1	
Methyl-2-pentanone, 4-	8.2 U	4.1 U	8.2 U	0.82 U	8.7 J	NA	2.2	1.1 J	0.70 J	0.82 U	0.82 U	4.2	NA	3.4	1.8	1.9	0.82 U	0.82 U	
Methylene chloride	17 U	8.7 U	17 U	1.7 U	4.2 U	NA	1.7 U	4.3 U	1.7 U	1.7 U	0.49 J	1.2 J	NA	10	0.52 J	0.62 J	1.7 U	1.7 U	
Methylnaphthalene, 1-	12 U	5.8 U	12 U	2.9 UJ	36 UJ	NA	1.2 U	2.9 U	0.35 J	1.2 U	1.2 U	1.2 U	NA	0.41 J	0.41 J	1.2 U	0.75 J	0.38 J	
Methylnaphthalene, 2-	12 UJ	5.8 U	12 UJ	2.9 UJ	9.7 J	NA	1.2 U	2.9 U	0.58 J	1.2 U	1.2 U	1.2 U	NA	0.52 J	0.58 J	1.2 U	1.2	0.60 J	
Methylthiophene, 2-	8.0 U	4.0 U	8.0 U	0.80 U	2.0 U	NA	0.80 U	2.0 U	0.80 U	0.80 U	0.80 U	0.80 U	NA	0.80 U	4.3	8.2	0.80 U	0.80 U	
Methylthiophene, 3-	8.0 U	4.0 U	8.0 U	0.80 U	2.0 U	NA	0.80 U	2.0 U	0.80 U	0.80 U	0.80 U	0.80 U	NA	0.80 U	0.32 J	0.39 J	0.80 U	0.80 U	
Naphthalene	10 U	5.2 U	10 U	1.0 U	3.5 U	NA	1.0 U	2.6 U	0.52 J	1.0 U	1.0 U	0.89 J	NA	0.58 J	1.1	1.7	1.9	1.3	
Nonane	10 U	5.2 U	10 U	1.0 U	1.9 J	NA	1.0 U	2.6 U	0.73 J	0.52 J	1.0 U	0.73 J	NA	1.0 U	0.68 J	1.9	0.79 J	1.4	
Octane, n-	9.3 U	4.7 U	9.3 U	0.93 U	0.72 J	NA	3.9	0.58 J	0.98	0.65 J	0.28 J	13	NA	0.28 J	0.79 J	1.4	18	2.9	
Pentane	14	3.0 U	5.9 U	5.1	16	NA	18	19	9.2	16	8.3	9.3	NA	7.4	6.8	12	16	20	
Propanol, 2-	12 U	6.0 U	12 U	1.2 UJ	1.2 UJ	NA	1.2 UJ	10	1.8 U	1.2 UJ	1.2 UJ	1.2 UJ	NA	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ	
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Styrene	8.5 U	4.3 U	8.5 U	0.85 U	2.1 U	NA	0.30 J	0.64 J	1.2	1.4	0.51 J	0.68 J	NA	0.47 J	0.85	7.9	7.5	7.2	
t-Butyl alcohol	6.1 U	3.0 U	6.1 U	0.61 U	1.6	NA	0.85	1.5 U	0.61 U	0.61 U	0.61 U	0.55 J	NA	0.30 J	0.61 U	0.72	0.44 J	0.49 J	
Tetrachloroethane, 1,1,2,2-	14 U	6.9 U	14 U	1.4 U	3.4 U	NA	1.4 U	3.4 UJ	1.4 U	1.4 U	1.4 U	1.4 U	NA	1.4 UJ	1.4 UJ	1.4 U	1.4 U	1.4 U	
Tetrachloroethene	14 U	6.8 U	14 U	1.4 U	3.4 U	NA	1.4 U	1.0 J	1.4 U	1.4 U	1.4 U	0.41 J	NA	1.4 U	1.4 U	0.47 J	1.4 U	1.4 U	
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Tetramethylbenzene, 1,2,4,5-	11 UJ	5.5 UJ	11 UJ	2.7 U	14 U	NA	1.1 U	2.7 U	0.33 J	1.1 U	1.1 U	0.55 J	NA	1.1 U	0.33 J	0.56 J	0.60 J	0.47 J	
Thiophene	6.9 U	3.4 U	6.9 U	0.69 U	1.7 U	NA	0.44 J	1.7 U	0.69 U	0.69 U	0.69 U	0.69	NA	0.62 J	1.1	1.6	1.6	1.4	
Trans-1,2-dichloroethene	7.9 U	4.0 U	7.9 U	0.79 U	2.0 U	NA	0.21 J	2.0 U	0.79 U	0.79 U	0.79 U	0.79 U	NA	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	
Trichloro-1,2,2-trifluoroethane, 1,1,2-	15 U	7.7 U	15 U	1.5 U	3.8 U	NA	1.5 U	3.8 U	1.5 U	1.5 U	1.5 U	1.5 U	NA	1.5 UJ	0.54 J	1.5 U	1.5 U	1.5 U	
Trichlorobenzene, 1,2,4-	15 U	7.4 U	15 U	1.5 U	3.7 U	NA	1.5 U	3.7 U	1.5 U	1.5 U	1.5 U	1.5 U	NA	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	
Trichloroethane, 1,1,1-	11 U	5.4 U	11 U	1.1 U	2.7 U	NA	1.1 U	2.7 U	1.1 U	1.1 U	1.1 U	1.1 U	NA	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	
Trichloroethane, 1,1,2-	11 U	5.4 U	11 U	1.1 U	2.7 U	NA	1.1 U	2.7 U	1.1 U	1.1 U	1.1 U	1.1 U	NA	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	
Trichloroethene	11 U	5.4 U	11 U	1.1 U	2.7 U	NA	1.1 U	1.6 J	1.1 U	1.1 U	1.1 U	1.1 U	NA	1.1 U	1.1 U	1.1 U	0.70 J	0.56 J	
Trichlorofluoromethane	27	17	14	22	49	NA	41	67	40	48	32	27	NA	41	65	40	25	16	
Trimethylbenzene, 1,2,3-	9.8 U	4.9 UJ	9.8 U	0.98 U	0.95 J	NA	0.98 U	2.5 U	0.34 J	0.98 U	0.98 U	0.83 J	NA	0.98 UJ	0.64 J	0.66 J	0.97 J	0.93 J	
Trimethylbenzene, 1,2,4-	9.8 U	4.9 U	9.8 U	0.98 U	1.8 J	NA	0.32 J	0.86 J	0.79 J	0.49 J	0.39 J	2.0	NA	0.59 J	1.3	1.6 J	2.3	1.9	
Trimethylbenzene, 1,3,5-	9.8 U	4.9 U	9.8 U	0.98 U	2.5 U	NA	0.98 U	2.5 U	0.25 J	0.98 U	0.98 U	0.54 J	NA	0.98 U	0.59 J	0.57 J	0.98 U	0.44 J	
Trimethylpentane, 2,2,4-	9.3 U	4.7 U	9.3 U	0.93 UJ	2.3 U	NA	0.93 UJ	2.3 UJ	0.93 UJ	0.93 UJ	0.93 UJ	2.7 J	NA	0.93 UJ	0.93 UJ	0.93 UJ	0.93 UJ	0.93 UJ	
Undecane, n-	13 U	6.4 U	13 U	1.3 UJ	29	NA	0.40 J	2.2 J	1.6	0.70 J	0.70 J	2.9	NA	3.9	5.4	5.2	4.0	3.6	
Vinyl bromide	8.7 U	4.4 U	8.7 U	0.87 U	2.2 U	NA	0.87 U	2.2 UJ	0.87 U	0.87 U	0.87 U	0.87 U	NA	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	
Vinyl chloride	5.1 U	2.6 U	5.1 U	0.51 U	1.3 U	NA	0.51 U	1.3 U	0.51 U	0.51 U	0.51 U	0.51 U	NA	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	
Other (%)																			
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	0.0166 U	0.0203 U	0.00323 U	0.0405 U	0.0177 U	NA	0.0187 U	0.0192 U	0.0214 U	0.0137 U	0.0194 U	0.0212 U	NA	0.0154 U	0.0188 U	0.044	0.0186	0.0239 U	

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU4SV-3 7/9/2009	OU4SV-3 9/15/2009	OU4SV-3 9/29/2009	OU4SV-3 10/30/2009	OU4SV4 3/23/2009	OU4SV-4 4/27/2009	OU4SV-4 4/28/2009	OU4SV-4 4/29/2009	OU4SV-4 4/30/2009	OU4SV-4 5/1/2009	OU4SV-4 5/4/2009	OU4SV-4 5/5/2009	OU4SV-4 5/8/2009	OU4SV-4 5/12/2009	OU4SV-4 5/15/2009	OU4SV-4 5/21/2009	OU4SV-4 6/3/2009	OU4SV-4 6/17/2009
BTEX (ug/m3)																		
Benzene	160	550	550	150	0.32 J	0.85 J	NA	0.95 U	1.6 U	0.77 U	0.41 J	0.64 U	0.64 U	NA	0.51 J	0.73	0.64 U	0.64 U
Toluene	40	43	36	10 J	0.38 J	0.77 J	NA	3.5	0.75 J	1.8	0.87	0.53 J	1.8	NA	2.1	3.2	1.5	0.82
Ethylbenzene	5.4 J	9.0 J	8.2 J	14 U	0.87 U	1.7 U	NA	0.61 J	2.2 U	0.87 U	0.87 U	0.87 U	0.43 J	NA	0.26 J	0.82 J	0.28 J	0.22 J
Xylene, m,p-	12 J	16 J	22 J	28 U	1.7 U	1.3 J	NA	1.5 J	4.3 U	1.7 U	1.7 U	1.7 U	1.4 J	NA	0.78 J	2.8	0.70 J	1.7 U
Xylene, o-	8.5 J	7.5 J	9.4 J	14 U	0.87 U	0.53 J	NA	0.60 J	2.2 U	0.87 U	0.87 U	0.87 U	0.61 J	NA	0.35 J	1.0	0.29 J	0.25 J
Other VOCs (ug/m3)																		
Acetaldehyde	45 UJ	31 UJ	49 UJ	74 UJ	3.6 UJ	9.0 UJ	NA	22 J	11 UJ	4.5 UJ	4.5 UJ	4.5 UJ	16 J	NA	4.5 UJ	4.5 UJ	4.5 UJ	4.5 UJ
Acetone	18 UJ	20 UJ	48 UJ	29 UJ	1.8 UJ	8.8 J	NA	15 J	6.0 U	4.1 U	1.8 UJ	2.9 U	12 U	NA	5.9 U	6.2 U	5.1 U	4.5 U
Acrolein (propenal)	11 U	20 U	31 U	19 U	0.46 U	0.92 U	NA	1.7 U	1.4 J	1.2 U	1.2 U	1.2 U	1.4 U	NA	0.69 J	0.64 J	0.70 J	0.40 J
Allyl chloride	6.3 U	11 U	17 U	10 U	0.63 U	1.2 U	NA	0.63 U	1.6 U	0.63 U	0.63 U	0.63 U	0.63 U	NA	0.63 U	0.63 U	0.63 U	0.63 U
Benzothiophene	11 UJ	19 UJ	30 U	18 UJ	2.7 U	27 UJ	NA	1.1 U	2.7 U	1.1 U	1.1 U	1.1 U	1.1 U	NA	1.1 U	1.1 U	1.1 U	1.1 U
Bromodichloromethane	13 U	23 U	36 U	22 U	1.3 U	2.7 U	NA	1.3 U	3.4 U	1.3 U	1.3 U	1.3 U	1.3 U	NA	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	21 U	36 U	56 U	34 U	2.1 U	4.1 U	NA	2.1 U	5.2 U	2.1 U	2.1 U	2.1 U	2.1 U	NA	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	7.8 U	13 U	21 U	13 U	0.78 U	1.6 U	NA	0.78 U	1.9 U	0.78 U	0.78 U	0.78 U	0.78 U	NA	0.78 U	0.78 U	0.78 U	0.78 U
Butadiene, 1,3-	4.4 U	7.6 U	12 U	7.3 U	0.44 U	0.88 U	NA	0.44 U	1.1 U	0.44 U	0.44 U	0.44 U	0.44 U	NA	0.44 U	0.44 U	0.44 U	0.44 U
Butane	1400	8400	16000	8400	18	29	NA	17	16	8.9	15	6.9	6.2	NA	6.2	4.6	3.6 J	4.8
Butanone, 2-	5.9 U	10 U	16 U	9.7 U	0.59 U	0.77 J	NA	2.6	1.5 U	0.50 J	0.41 J	0.41 J	2.4	NA	0.85	0.80	0.81	0.61
Carbon disulfide	7.0 UJ	11 U	6.17 U	10 U	0.62 U	1.4 U	NA	1.1	1.1 J	1.1	1.5	0.78	0.65	NA	0.75	0.65	0.65	0.60 J
Carbon tetrachloride	13 U	22 U	34 U	21 U	1.3 U	2.5 U	NA	1.3 U	3.1 U	1.3 U	1.3 U	1.3 U	1.3 U	NA	1.3 U	1.3 U	1.3 U	1.3 U
Chlorobenzene	9.2 U	16 U	25 U	15 U	0.92 U	1.8 U	NA	0.92 U	2.3 U	0.92 U	0.92 U	0.92 U	0.92 U	NA	0.92 U	0.92 U	0.92 U	0.92 U
Chloroethane	19	400	740	240	0.37 J	1.7	NA	2.0	1.9	1.5	1.1	1.1	1.0	NA	1.5	1.2	1.3	1.1
Chloroform	9.8 U	17 U	26 U	16 U	0.98 U	2.0 U	NA	0.87 J	2.4 U	0.24 J	0.29 J	0.98 U	0.49 J	NA	0.29 J	0.44 J	0.52 J	0.48 J
Chloromethane	4.1 U	7.1 U	11 U	6.8 U	1.7	1.7	NA	1.3	1.4	0.52 U	0.58	0.41 U	0.52 U	NA	0.80	0.68	0.68	0.71
Chlorotoluene, 2-	10 U	18 U	28 U	17 U	1.0 U	2.1 U	NA	1.0 U	2.6 U	1.0 U	1.0 U	1.0 U	1.0 U	NA	1.0 U	1.0 U	1.0 U	1.0 U
Cryofluorane	14 U	24 U	38 U	23 U	1.4 U	2.8 U	NA	1.4 U	3.5 UJ	1.4 U	1.4 U	1.4 U	1.4 U	NA	1.4 UJ	1.4 UJ	1.4 U	1.4 U
Cyclohexane	24	44	47	23	0.69 U	0.61 J	NA	0.26 J	1.7 U	0.28 J	0.69 U	0.69 U	0.69 U	NA	0.69 U	0.69 U	0.69 U	0.69 U
Decane, n-	12 U	20 U	31 U	19 U	1.2 U	2.9	NA	3.8	2.9 U	1.2 U	0.93 J	1.2 U	5.6	NA	1.3	1.3	1.8	4.5
Dibromochloromethane	17 U	29 U	46 U	28 U	1.7 U	3.4 U	NA	1.7 U	4.3 U	1.7 U	1.7 U	1.7 U	1.7 U	NA	1.7 UJ	1.7 UJ	1.7 U	1.7 U
Dibromoethane, 1,2-	15 U	26 U	42 U	25 U	1.5 U	3.1 U	NA	1.5 U	3.8 U	1.5 U	1.5 U	1.5 U	1.5 U	NA	1.5 U	1.5 U	1.5 U	1.5 U
Dichlorobenzene, 1,2-	12 U	21 U	32 U	20 U	1.2 U	2.4 U	NA	1.2 U	3.0 U	1.2 U	1.2 U	1.2 U	1.2 U	NA	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,3-	12 U	21 U	32 U	20 U	1.2 U	0.61 J	NA	4.0	3.0 U	1.2 U	1.2 U	1.2 U	3.8	NA	1.2 U	0.48 J	1.2 U	0.88 J
Dichlorobenzene, 1,4-	12 U	21 U	32 U	20 U	1.2 U	2.4 U	NA	1.2 U	3.0 U	1.2 U	1.2 U	1.2 U	0.84 J	NA	1.2 U	1.2 U	1.2 U	0.37 J
Dichlorodifluoromethane	5.3 J	17 U	27 U	16 U	2.0	3.2	NA	1.7	2.0 J	1.4	2.9	1.5	1.3	NA	1.8	1.6	1.4	2.0
Dichloroethane, 1,1-	8.2	23	26	8.0 J	0.81 U	1.6 U	NA	0.25 J	2.0 U	0.28 J	0.32 J	0.81 U	0.24 J	NA	0.32 J	0.36 J	0.42 J	0.42 J
Dichloroethane, 1,2-	8.1 U	14 U	22 U	13 U	0.81 UJ	1.6 U	NA	0.81 U	2.0 U	0.81 U	0.81 U	0.81 U	0.81 U	NA	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethene, 1,1-	7.9 U	14 U	21 U	13 U	0.79 U	1.6 U	NA	0.79 U	2.0 U	0.79 U	0.79 U	0.79 U	0.79 U	NA	0.79 U	0.79 U	0.79 U	0.79 U
Dichloroethene, cis-1,2-	7.9 U	14 U	21 U	13 U	0.79 U	1.6 U	NA	1.7	2.0 U	0.79 U	0.79 U	0.79 U	0.44 J	NA	0.79 U	0.79 U	0.79 U	0.79 U
Dichloropropane, 1,2-	9.2 U	4.8 J	25 U	15 U	0.92 U	1.8 U	NA	0.92 U	2.3 U	0.92 U	0.92 U	0.92 U	0.92 U	NA	0.92 U	0.92 U	0.92 U	0.92 U
Dichloropropene, cis-1,3	9.1 U	16 U	24 U	15 U	0.91 U	1.8 U	NA	0.91 U	2.3 U	0.91 U	0.91 U	0.91 U	0.91 U	NA	0.91 U	0.91 U	0.91 U	0.91 U
Dichloropropene, trans-1,3	9.1 U	16 U	24 U	15 U	0.91 U	1.8 U	NA	0.91 U	2.3 U	0.91 U	0.91 U	0.91 U	0.91 U	NA	0.91 U	0.91 U	0.91 U	0.91 U
Dioxane, 1,4-	7.2 U	12 U	19 U	12 U	0.72 U	1.4 U	NA	0.72 UJ	1.8 U	0.72 UJ	0.72 U	0.72 U	0.72 UJ	NA	0.72 U	0.25 J	0.72 UJ	0.72 UJ
Dodecane, n-	14 U	24 U	38 U	23 U	2.5 J	10 J	NA	7.9	1.7 J	1.5	1.5 J	1.3 J	8.8	NA	3.3	10	5.7	6.6
Ethanol	8.7 J	32 U	51 U	31 U	2.1 J	4.6	NA	57	38	6.0 U	0.98 J	2.4 U	22	NA	86	80	4.4 U	7.2
Ethylthiophene, 2-	9.2 U	16 U	25 U	15 U	0.92 U	1.8 U	NA	0.92 U	2.3 U	0.92 U	0.92 U	0.92 U	0.92 U	NA	0.92 U	0.92 U	0.92 U	0.92 U

Table 6-1
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Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU4SV-3 7/9/2009	OU4SV-3 9/15/2009	OU4SV-3 9/29/2009	OU4SV-3 10/30/2009	OU4SV4 3/23/2009	OU4SV-4 4/27/2009	OU4SV-4 4/28/2009	OU4SV-4 4/29/2009	OU4SV-4 4/30/2009	OU4SV-4 5/1/2009	OU4SV-4 5/4/2009	OU4SV-4 5/5/2009	OU4SV-4 5/8/2009	OU4SV-4 5/12/2009	OU4SV-4 5/15/2009	OU4SV-4 5/21/2009	OU4SV-4 6/3/2009	OU4SV-4 6/17/2009
Ethyltoluene, p-	9.8 U	17 U	26 U	16 U	0.98 U	2.0 U	NA	0.34 J	2.5 U	0.98 U	0.98 U	0.98 U	0.39 J	NA	0.98 U	0.34 J	0.98 U	0.98 U
Heptane, n-	8.2 U	31	880	86	0.29 J	1.6 U	NA	0.82 U	2.0 U	0.82 U	0.82 U	0.82 U	0.41 J	NA	0.82 U	0.41 J	0.82 U	0.82 U
Hexachlorobutadiene	21 U	37 U	58 U	35 U	2.1 U	4.3 U	NA	2.1 U	5.3 U	2.1 U	2.1 U	2.1 U	NA	NA	2.1 U	2.1 U	2.1 U	2.1 U
Hexane, n-	3.8 J	290	6600	2600	0.70 U	1.4 U	NA	0.22 J	1.8 U	0.70 U	0.70 U	0.70 U	0.21 J	NA	0.70 U	0.28 J	0.70 U	0.70 U
Hexanone, 2-	8.2 U	14 U	22 UJ	14 U	2.0 U	1.6 U	NA	1.6	2.0 U	0.82 U	0.82 U	0.82 U	0.90	NA	0.82 U	0.82 U	0.82 U	0.82 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	6.94 U	NA	NA	NA	NA	NA	NA	6.94 U	NA	NA	NA	NA
Indan	9.7 U	17 U	26 U	16 U	0.97 U	1.9 U	NA	0.29 J	2.4 U	0.97 U	0.97 U	0.97 U	0.34 J	NA	0.97 U	0.29 J	0.97 U	0.97 U
Indene	9.5 U	16 U	26 U	16 U	0.95 U	1.9 U	NA	0.95 U	2.4 U	0.95 U	0.95 U	0.95 U	0.95 U	NA	0.95 U	0.95 U	0.95 U	0.95 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	7.2 U	8.7 J	20 U	12 U	0.72 U	1.4 U	NA	0.72 U	1.8 U	0.72 U	0.72 U	0.72 U	0.72 U	NA	0.72 U	0.72 U	0.72 U	0.72 U
Methyl-2-pentanone, 4-	8.2 U	14 U	22 U	14 U	0.82 U	2.3 J	NA	2.2	2.0 U	0.82 U	0.82 U	0.82 U	3.2	NA	4.1	1.2	0.46 J	0.45 J
Methylene chloride	17 UJ	30 U	47 U	28 U	1.7 U	3.4 U	NA	1.7 U	4.3 U	1.7 U	1.7 U	0.90 J	2.2	NA	0.83 J	1.6 J	0.61 J	1.7 U
Methylnaphthalene, 1-	12 UJ	20 U	31 U	19 U	2.9 UJ	29 UJ	NA	0.29 J	2.9 U	1.2 U	1.2 U	1.2 U	1.2 U	NA	1.2 U	0.64 J	1.2 U	0.42 J
Methylnaphthalene, 2-	12 UJ	20 UJ	31 UJ	19 UJ	2.9 UJ	29 UJ	NA	0.43 J	2.9 U	1.2 U	1.2 U	1.2 U	1.2 U	NA	0.35 J	0.93 J	1.2 U	0.56 J
Methylthiophene, 2-	8.0 U	14 U	22 U	13 U	0.80 U	1.6 U	NA	0.80 U	2.0 U	0.80 U	0.80 U	0.80 U	0.80 U	NA	0.80 U	0.80 U	0.80 U	0.80 U
Methylthiophene, 3-	8.0 U	14 U	22 U	13 U	0.80 U	1.6 U	NA	0.80 U	2.0 U	0.80 U	0.80 U	0.80 U	0.80 U	NA	0.80 U	0.80 U	0.80 U	0.80 U
Naphthalene	10 U	18 U	28 U	17 U	1.0 U	2.0 U	NA	1.4	2.6 U	0.26 J	1.0 U	1.0 U	0.73 J	NA	0.84 J	0.94 J	0.89 J	0.84 J
Nonane	10 U	18 U	37	17 U	1.0 U	0.82 J	NA	0.66 J	2.6 U	1.0 U	1.0 U	1.0 U	0.73 J	NA	0.26 J	0.58 J	0.65 J	1.0 U
Octane, n-	9.3 U	16 U	150	9.2 J	0.93 U	1.9 U	NA	5.1	2.3 U	0.93 U	0.93 U	0.93 U	10	NA	0.23 J	0.65 J	0.51 J	6.1
Pentane	280	4800	7900	4400	3.1	4.2	NA	4.0	2.8	1.4	1.9	0.88	1.0	NA	0.80	0.83	0.53 J	0.53 J
Propanol, 2-	12 UJ	21 U	32 U	20 UJ	1.2 UJ	0.98 UJ	NA	44	4.8 U	1.2 U	1.2 UJ	1.2 U	2.6 U	NA	7.6	7.2	1.2 U	1.7 U
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	4.8 J	4.4 J	23 U	14 U	0.85 U	1.7 U	NA	0.59 J	2.1 U	0.51 J	0.89	0.85 U	0.64 J	NA	0.47 J	0.30 J	2.2	2.8
t-Butyl alcohol	6.1 U	10 U	16 U	10 U	0.61 U	0.47 J	NA	1.1	0.61 J	0.61 U	0.61 U	0.61 U	0.55 J	NA	0.15 J	0.61 U	0.61 U	0.61 U
Tetrachloroethane, 1,1,2,2-	14 U	24 U	37 U	23 U	1.4 U	2.7 U	NA	1.4 U	3.4 UJ	1.4 U	1.4 U	1.4 U	1.4 U	NA	1.4 UJ	1.4 UJ	1.4 U	1.4 U
Tetrachloroethene	14 U	23 U	37 U	22 U	1.4 U	2.7 U	NA	16	3.4 U	1.4 U	1.4 U	0.41 J	2.1	NA	0.54 J	0.47 J	0.53 J	1.4 U
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	11 UJ	19 UJ	30 UJ	18 UJ	2.7 U	11 U	NA	0.39 J	2.7 U	1.1 U	1.1 U	1.1 U	0.44 J	NA	1.1 U	1.1 U	1.1 U	1.1 U
Thiophene	6.9 U	21	19 U	11 U	0.69 U	1.4 U	NA	0.69 U	1.7 U	0.69 U	0.69 U	0.69 U	0.69 U	NA	0.69 U	0.69 U	0.69 U	0.69 U
Trans-1,2-dichloroethene	7.9 U	14 U	21 U	13 U	0.79 U	1.6 U	NA	0.79 U	2.0 U	0.79 U	0.79 U	0.79 U	0.79 U	NA	0.79 U	0.79 U	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	15 U	26 U	41 U	25 U	1.5 U	3.1 U	NA	0.52 J	3.8 U	0.54 J	0.46 J	0.46 J	0.38 J	NA	0.61 J	0.46 J	0.51 J	1.5 U
Trichlorobenzene, 1,2,4-	15 U	26 U	40 U	24 U	1.5 U	3.0 U	NA	1.5 U	3.7 U	1.5 U	1.5 U	1.5 U	1.5 U	NA	1.5 U	1.5 U	1.5 U	1.5 U
Trichloroethane, 1,1,1-	11 U	19 U	29 U	18 U	1.1 U	2.2 U	NA	1.1 U	2.7 U	1.1 U	1.1 U	1.1 U	1.1 U	NA	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethane, 1,1,2-	11 U	19 U	29 U	18 U	1.1 U	2.2 U	NA	1.1 U	2.7 U	1.1 U	1.1 U	1.1 U	1.1 U	NA	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethene	11 U	18 U	29 U	18 U	1.1 U	2.2 U	NA	0.66 J	2.7 U	1.1 U	1.1 U	1.1 U	0.75 J	NA	1.1 U	1.1 U	1.1 U	1.1 U
Trichlorofluoromethane	38	19 U	30 U	18 U	1.3	2.9	NA	3.4	4.6	2.8	4.1	3.3	2.9	NA	4.0	4.5	4.3	6.4
Trimethylbenzene, 1,2,3-	9.8 U	17 U	26 U	16 U	0.98 U	0.72 J	NA	0.57 J	2.5 U	0.98 U	0.98 U	0.98 U	0.64 J	NA	0.98 UJ	0.34 J	0.98 U	0.28 J
Trimethylbenzene, 1,2,4-	9.8 U	17 U	26 U	16 U	0.98 U	1.4 J	NA	1.4	2.5 U	0.98 U	0.98 U	0.98 U	1.5	NA	0.64 J	0.98	0.52 J	0.77 J
Trimethylbenzene, 1,3,5-	9.8 U	17 U	26 U	16 U	0.98 U	0.52 J	NA	0.40 J	2.5 U	0.98 U	0.98 U	0.98 U	0.44 J	NA	0.98 U	0.29 J	0.98 U	0.98 U
Trimethylpentane, 2,2,4-	9.3 U	16 U	25 U	15 U	0.93 U	1.9 U	NA	0.93 U	2.3 U	0.93 U	0.93 U	0.93 U	0.42 J	NA	0.93 U	0.93 U	0.93 U	0.93 U
Undecane, n-	13 U	22 U	34 U	21 U	1.1 J	5.6	NA	4.5	1.4 J	0.64 J	1.3	0.45 J	3.8	NA	2.9	5.0	2.5	1.8
Vinyl bromide	8.7 U	15 U	24 U	14 U	0.87 U	1.8 U	NA	0.87 U	2.2 UJ	0.87 U	0.87 U	0.87 U	0.87 U	NA	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl chloride	5.1 U	8.8 U	14 U	8.4 U	0.51 U	1.0 U	NA	0.51 U	1.3 U	0.51 U	0.51 U	0.51 U	0.51 U	NA	0.51 U	0.51 U	0.51 U	0.51 U
Other (%)																		
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	0.021 U	0.0172 U	0.0271 U	0.00331 U	0.0183 U	0.0249 U	NA	0.0175 U	0.0271 U	0.0221 U	0.0173 U	0.0196 U	0.0188 U	NA	0.0235 U	0.0231 U	0.041	0.0167

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU4SV-4 6/19/2009	OU4SV-4 7/9/2009	OU4SV-4 8/25/2009	OU4SV-4 9/15/2009	OU4SV-4 9/29/2009	OU4SV-4 10/30/2009	OU4SV-5 4/27/2009	OU4SV-6 4/27/2009	Duplicate of OU4SV-6 4/27/2009	OU4SV-7 4/27/2009	OU4SV-8 4/27/2009	OZSG01 2/19/2008	OZSG01 3/17/2008	OZSG01 3/21/2008	OZSG01 6/25/2008	OZSG01 12/31/2008	OZSG01 3/26/2009	OZSG02 2/19/2008
BTEX (ug/m3)																		
Benzene	0.64 U	22	22	24	22	6.4 U	14	1.4	1.6	10	0.19 J	0.22 J	1.2 J	0.21 J	2.2 J	2.8	1.1	0.26 J
Toluene	0.85	8.1	5.6 J	7.9	3.0 J	7.5 U	340	52	51	240	2.5	15	7.8	2.2	1.8	1.6	0.95	6.6
Ethylbenzene	0.87 U	8.7 U	8.7 U	8.7 U	8.7 U	8.7 U	15	1.0	1.1	12	0.87 U	0.35 J	22	1.6	0.35 J	0.25 J	0.87 U	0.35 J
Xylene, m,p-	0.36 J	17 U	17 U	4.3 J	17 U	17 U	42	3.2	3.2	16	0.66 J	1.1 J	4.9 J	0.83 J	0.48 J	0.40 J	1.7 U	0.87 J
Xylene, o-	0.87 U	8.7 U	8.7 U	8.7 U	8.7 U	8.7 U	18	1.3	1.3	14	0.37 J	0.39 J	1.5 J	0.87 U	0.22 J	0.87 U	0.87 U	0.43 J
Other VOCs (ug/m3)																		
Acetaldehyde	4.5 UJ	45 UJ	45 UJ	18 UJ	45 U	45 UJ	4.5 UJ	4.5 UJ	4.5 UJ	4.5 UJ	3.8 J	1.6 J	22 U	7.2 J	120 J	43 J	38	1.7 J
Acetone	18	18 UJ	30 U	19 U	24 U	18 U	68 J	6.2 J	5.7 J	1.8 UJ	2.9 J	2.5 J	5.9 U	1.2 U	91	23	31	1.7
Acrolein (propenal)	0.54 J	11 U	11 U	11 U	11 U	11 U	0.46 U	0.46 U	0.25 J	0.46 U	0.46 U	0.46 U	5.7 U	1.2 U	3.2	1.4	1.5	0.46 U
Allyl chloride	0.63 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	3.1 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
Benzothiophene	1.1 U	11 UJ	11 UJ	11 UJ	11 U	11 UJ	14 UJ	14 UJ	14 UJ	14 UJ	14 UJ	1.1 UJ	5.5 U	1.1 U	1.1 U	1.1 UJ	14 UJ	1.1 UJ
Bromodichloromethane	1.3 U	13 U	13 U	13 U	13 U	13 U	1.3 U	1.0 J	1.1 J	1.3 U	1.3	1.3 U	6.7 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	2.1 U	21 U	21 U	21 U	21 U	21 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	10 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	0.78 U	32	7.8 U	7.8 U	7.8 U	7.8 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	3.9 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
Butadiene, 1,3-	0.44 U	4.4 U	4.4 U	4.4 U	4.4 U	4.4 U	2.1	0.44 U	0.44 U	1.4	0.44 U	0.44 U	2.2 U	0.44 U	3.6	2.5	1.0	0.44 U
Butane	1.5	340	220	200	96	10	39	7.7	8.1	130	4.6	0.62	83	12	5.8	2.3	1.4	0.43 J
Butanone, 2-	0.85	5.9 U	4.1 J	5.9 U	5.9 U	5.9 U	10	1.7	1.3	5.0	0.40 J	0.62	3.0 U	0.34 J	13	5.1	7.4	0.44 J
Carbon disulfide	0.36 J	22 J	16	14	6.5	6.2 U	78	2.5	2.7	20	5.8	0.22 J	3.1 U	0.26 J	1.3 U	0.92	1.3 U	0.59 J
Carbon tetrachloride	1.3 U	13 U	13 U	13 U	13 U	13 U	0.43 J	0.67 J	0.72 J	0.87 J	0.54 J	1.3 U	6.3 U	0.38 J	1.3 U	0.32 J	1.3 U	1.3 U
Chlorobenzene	0.92 U	9.2 U	9.2 UJ	9.2 U	9.2 U	9.2 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	4.6 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Chloroethane	0.77	89	78	84	47	4.5 J	0.81	0.53 U	0.53 U	1.6	0.53 U	0.53 U	2.6 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U
Chloroform	0.33 J	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U	130	200	210	37	64	0.93 J	4.9 U	1.4	0.78 J	0.98 U	0.98 U	0.98 U
Chloromethane	0.43 U	910	2.5 J	1.6 J	4.1 U	4.1 U	0.97	0.28 J	0.31 J	2.1	0.37 J	0.41 U	2.1 U	0.41 U	0.21 J	0.41 U	0.17 J	0.41 U
Chlorotoluene, 2-	1.0 U	10 U	10 U	10 U	10 U	10 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.2 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cryofluorane	1.4 U	14 U	14 U	14 U	14 U	14 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	7.0 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Cyclohexane	0.69 U	40	20	26	12	6.9 U	50	8.6	8.7	99	4.0	0.21 J	1300	220	0.69 U	0.69 U	0.69 U	0.69 U
Decane, n-	1.2 J	16	20	2.9 J	12 U	12 U	25	3.4	3.0	20	3.4	5.4	7.6	3.7	0.41 J	1.2 U	1.0 J	2.8
Dibromochloromethane	1.7 U	17 U	17 UJ	17 U	17 U	17 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	8.5 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dibromoethane, 1,2-	1.5 U	15 U	15 U	15 U	15 U	15 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	7.7 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Dichlorobenzene, 1,2-	1.2 U	12 U	12 U	12 U	12 U	12 U	1.8	0.43 J	0.37 J	1.7	0.65 J	1.2 U	6.0 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,3-	1.2 U	12 U	12 U	12 U	12 U	12 U	3.1	1.1 J	1.0 J	2.9	2.3	1.3	3.3 J	1.4	1.2 U	1.2 U	1.2 U	1.0 J
Dichlorobenzene, 1,4-	1.2 U	12 U	12 U	12 U	12 U	12 U	4.8	1.4	1.3	4.9	2.6	1.2 U	6.0 U	1.2 U	0.48 J	1.2 U	1.2 U	1.2 U
Dichlorodifluoromethane	1.6	4.1 J	3.0 J	3.5 J	9.9 U	9.9 U	2.4	4.1	4.2	4.5	2.5	2.0	1.5 J	2.0	0.79 J	2.1	2.8	1.3
Dichloroethane, 1,1-	0.31 J	8.1 U	8.1 U	8.1 U	2.4 J	8.1 U	0.71 J	0.81 U	0.81 U	0.57 J	0.81 U	0.81 U	4.0 U	0.34 J	7.3	0.81 U	0.39 J	0.81 U
Dichloroethane, 1,2-	0.81 U	8.1 U	8.1 U	8.1 U	8.1 U	8.1 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	4.0 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethene, 1,1-	0.79 U	7.9 U	7.9 U	7.9 U	7.9 U	7.9 U	0.59 J	0.79 U	0.79 U	0.32 J	0.79 U	0.79 U	4.0 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloroethene, cis-1,2-	0.79 U	7.9 U	7.9 U	7.9 U	7.9 U	7.9 U	0.55 J	0.79 U	0.79 U	0.27 J	0.79 U	0.79 U	4.0 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloropropane, 1,2-	0.92 U	9.2 U	9.2 U	9.2 U	9.2 U	9.2 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	4.6 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Dichloropropene, cis-1,3	0.91 U	9.1 U	9.1 U	9.1 U	9.1 U	9.1 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	4.5 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dichloropropene, trans-1,3	0.91 U	9.1 U	9.1 U	9.1 U	9.1 U	9.1 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	4.5 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dioxane, 1,4-	0.72 UJ	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	3.6 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Dodecane, n-	2.1	13 J	22	7.7 J	4.9 J	3.5 J	10 J	4.3 J	2.9 J	14 J	5.6 J	1.0 J	2.3 J	5.1	0.49 J	0.40 J	2.8	0.70 J
Ethanol	4.3 U	20	38	11 J	19 U	8.7 J	10	5.7	5.4	31	2.6	2.8	18	3.4 J	3.4	1.8 J	1.4 J	1.5 J
Ethylthiophene, 2-	0.92 U	9.2 U	9.2 U	9.2 U	9.2 U	9.2 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	4.6 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
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Sample Name: Sample Date:	OU4SV-4 6/19/2009	OU4SV-4 7/9/2009	OU4SV-4 8/25/2009	OU4SV-4 9/15/2009	OU4SV-4 9/29/2009	OU4SV-4 10/30/2009	OU4SV-5 4/27/2009	OU4SV-6 4/27/2009	Duplicate of OU4SV-6 4/27/2009	OU4SV-7 4/27/2009	OU4SV-8 4/27/2009	OZSG01 2/19/2008	OZSG01 3/17/2008	OZSG01 3/21/2008	OZSG01 6/25/2008	OZSG01 12/31/2008	OZSG01 3/26/2009	OZSG02 2/19/2008	
Ethyltoluene, p-	0.98 U	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U	6.4	0.28 J	0.29 J	3.9	0.98 U	0.98 U	4.9 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	
Heptane, n-	0.82 U	25	7.0 J	2.0 J	8.2 U	8.2 U	17	0.82 U	0.82 U	19	0.82 U	2.9	3.3 J	0.82 U	0.49 J	0.45 J	0.47 J	1.2	
Hexachlorobutadiene	2.1 U	21 U	21 U	21 U	21 U	21 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	11 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	
Hexane, n-	0.70 U	75	27	17	19	7.0 U	27	1.4	1.4	27	0.20 J	0.70 U	270	28	0.81 J	0.74	0.43 J	0.70 U	
Hexanone, 2-	0.82 U	8.2 U	8.2 U	8.2 U	8.2 U	8.2 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	4.1 U	0.82 U	1.6	0.82 U	0.74 J	0.82 U	0.82 U	
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Indan	0.97 U	9.7 U	9.7 U	9.7 U	9.7 U	9.7 U	6.3	0.31 J	0.35 J	3.8	0.38 J	0.97 U	4.8 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	
Indene	0.95 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	4.8 U	0.95 U	0.57 J	0.42 J	0.95 U	0.95 U	
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methyl tert-butyl ether	0.72 U	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	3.6 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	
Methyl-2-pentanone, 4-	0.82 U	8.2 U	8.2 U	8.2 U	8.2 U	8.2 U	5.1 J	0.57 J	0.51 J	3.7 J	0.82 U	0.82 U	4.1 U	0.82 U	1.5	0.59 J	1.9	0.82 U	
Methylene chloride	1.7 U	17 U	8.0 J	17 U	17 U	17 U	4.4 U	1.7 U	1.7 U	1.7 U	1.7 U	0.31 J	8.5 U	0.30 J	1.7 U	1.7 U	1.7 U	0.28 J	
Methylnaphthalene, 1-	0.48 J	12 U	12 U	12 U	12 U	12 U	14 U	14 U	14 U	14 U	14 U	1.2 U	5.8 U	1.2 U	2.9 U	R	5.8 U	1.2 U	
Methylnaphthalene, 2-	0.70 J	12 U	12 U	12 U	12 U	12 U	14 U	14 U	14 U	14 U	14 U	1.2 U	5.8 U	1.2 U	2.9 U	14 U	5.8 U	1.2 U	
Methylthiophene, 2-	0.80 U	8.0 U	8.0 U	8.0 U	8.0 U	8.0 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	
Methylthiophene, 3-	0.80 U	8.0 U	8.0 U	8.0 U	8.0 U	8.0 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	
Naphthalene	1.1	10 U	10 U	10 U	10 U	10 U	3.4 J	1.0 U	1.0 U	2.8 J	1.0 U	1.0 U	5.2 U	1.0 U	1.0 U	1.0 U	1.0 U	0.37 J	
Nonane	1.0 U	10 U	10 U	10 U	10 U	10 U	29	1.0 J	0.89 J	16	0.39 J	0.52 J	2.0 J	1.0 U	1.0 U	1.0 U	0.30 J	0.42 J	
Octane, n-	0.34 J	12	23 J	9.3 U	9.3 U	9.3 U	35	1.6	1.6	17	0.93 U	2.8	66	1.2	0.93 U	0.93 U	0.48 J	1.4	
Pentane	0.59 U	160	110	77	54	2.1 J	28	1.4	1.5	80	2.0	0.59 U	170	17	1.9	1.7	0.83	0.32 J	
Propanol, 2-	1.2 U	3.4 J	12 U	12 U	12 U	12 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	6.0 J	1.2 U	1.9 U	0.95 J	0.49 U	0.49 U	
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Styrene	0.93	4.0 J	8.5 U	8.5 U	8.5 U	2.6 J	1.9	0.87	0.90	3.4	0.85 U	0.85 U	4.3 U	0.85 U	0.43 J	0.29 J	0.22 J	0.85 U	
t-Butyl alcohol	0.61 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	0.39 J	0.27 J	0.30 J	0.39 J	0.24 J	0.61 U	3.0 U	0.61 U	0.76	0.61 U	1.2	0.61 U	
Tetrachloroethane, 1,1,2,2-	1.4 U	14 U	14 U	14 U	14 U	14 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	6.9 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	
Tetrachloroethene	1.4 U	14 U	14 U	14 U	14 U	14 U	19	200	210	16	15	0.95 J	9.8	4.2	57	16	30	3.9	
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Tetramethylbenzene, 1,2,4,5-	1.1 U	11 U	11 U	11 U	11 U	11 U	34 J	1.4 J	1.5 J	29 J	4.6 J	0.27 J	5.5 U	1.1 U	1.1 U	1.1 U	5.5 U	0.27 J	
Thiophene	0.69 U	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	3.4 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	
Trans-1,2-dichloroethene	0.79 U	7.9 U	7.9 U	7.9 U	7.9 U	7.9 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	4.0 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	
Trichloro-1,2,2-trifluoroethane, 1,1,2-	1.5 U	15 U	15 U	15 U	15 U	15 U	0.61 J	0.80 J	0.86 J	1.0 J	0.58 J	0.54 J	7.7 U	1.5 U	1.5 U	0.44 J	1.5 U	0.54 J	
Trichlorobenzene, 1,2,4-	1.5 U	15 U	15 U	15 U	15 U	15 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	7.4 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	
Trichloroethane, 1,1,1-	1.1 U	11 U	11 U	11 U	11 U	11 U	1.3	1.0 J	1.2	6.7	1.1 U	1.1 U	2.2 J	1.2	14	2.2	3.3	1.1 U	
Trichloroethane, 1,1,2-	1.1 U	11 U	11 U	11 U	11 U	11 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	5.4 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	
Trichloroethene	1.1 U	11 U	11 U	11 U	11 U	11 U	4.8	0.32 J	0.28 J	2.4	1.5	1.1 U	5.4 U	1.5	0.64 J	1.1 U	1.1 U	1.1 U	
Trichlorofluoromethane	4.0	4.8 J	11 U	11 U	11 U	11 U	1.5	54	58	230	2.0	2.2	1.7 J	1.2	4.0	1.6	0.70 J	1.4	
Trimethylbenzene, 1,2,3-	0.98 U	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U	21	0.63 J	0.62 J	13	0.71 J	0.84 J	1.8 J	0.98 U	0.98 U	0.98 U	0.98 U	0.69 J	
Trimethylbenzene, 1,2,4-	0.29 J	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U	22	1.2	1.2	11	1.2	0.34 J	4.9 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	
Trimethylbenzene, 1,3,5-	0.98 U	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U	14	0.33 J	0.33 J	13	0.28 J	0.34 J	4.9 U	0.98 U	0.98 U	0.98 U	0.98 U	0.34 J	
Trimethylpentane, 2,2,4-	0.93 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	4.7 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	
Undecane, n-	0.78 J	4.3 J	3.2 J	13 U	13 U	3.8 J	19	3.5	3.0	20	5.8	1.0 J	1.7 J	2.0	2.6	1.3 U	5.5	0.57 J	
Vinyl bromide	0.87 U	8.7 U	8.7 U	8.7 U	8.7 U	8.7 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	4.4 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	
Vinyl chloride	0.51 U	6.5	3.6 J	2.6 J	5.1 U	5.1 U	0.51 U	0.51 U	0.51 U	0.43 J	0.51 U	0.51 U	2.6 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	
Other (%)																			
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	0.0202 U	0.0231 U	0.0174 U	0.0189 U	0.0145 U	0.00326 U	0.061	0.0181 U	0.0183 U	0.018 U	0.088	NA	NA	NA	NA	0.0154	0.0218 U	NA	

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OZSG02 3/17/2008	OZSG02 6/25/2008	OZSG02 12/31/2008	Duplicate of OZSG02 12/31/2008	OZSG02 3/24/2009	OZSG03 2/21/2007	OZSG03 2/19/2008	OZSG03 3/17/2008	OZSG03 3/21/2008	OZSG03 6/25/2008	OZSG03 12/31/2008	OZSG03 3/24/2009	OZSG03 6/25/2009	Duplicate of OZSG03 6/25/2009	OZSG04 2/19/2008	OZSG04 3/17/2008	OZSG04 3/21/2008
BTEX (ug/m3)																	
Benzene	0.20 J	0.16 J	0.20 J	0.64 U	0.64 U	1.0 J	0.64 U	0.23 J	0.64 U	1.3 J	0.64 U	0.19 J	0.64 U	0.64 U	1.1	0.27 J	0.31 J
Toluene	5.2	4.7	0.71 J	0.53 J	0.30 J	6.6	4.6	3.9	1.4	3.8 U	0.72 J	0.30 J	0.30 J	0.30 J	8.5	3.6	1.0
Ethylbenzene	0.82 J	0.22 J	0.87 U	0.87 U	0.87 U	2.5	0.87 U	0.83 J	0.87 U	4.3 U	0.87 U	0.87 U	0.87 U	0.87 U	1.8	0.65 J	0.22 J
Xylene, m,p-	2.6	0.65 J	0.47 J	0.36 J	1.7 U	7.2	0.56 J	2.8	0.44 J	8.7 U	1.7 U	1.7 U	0.30 J	0.26 J	5.2	2.0	0.65 J
Xylene, o-	0.87	0.87 U	0.26 J	0.87 U	0.87 U	2.9	0.22 J	1.3	0.32 J	4.3 U	0.87 U	0.87 U	0.87 U	0.87 U	2.1	0.79 J	0.27 J
Other VOCs (ug/m3)																	
Acetaldehyde	4.5 U	17	3.5 J	4.5 UJ	2.1 U	0.55 J	2.1 J	4.5 U	4.5 U	22.5 U	4.5 UJ	1.8 UJ	44 J	5.2 J	3.4 J	4.5 U	26 J
Acetone	1.2 U	7.7	2.6 U	1.5 U	1.8 U	12	3.7 J	1.2 U	2.5 U	5.9 UJ	1.2 UJ	1.8 UJ	6.4 U	3.6 U	4.1	1.2 U	1.2 U
Acrolein (propenal)	1.2 U	0.64	0.46 U	0.46 U	0.46 U	0.93 U	0.46 U	1.2 U	1.2 U	2.3 U	0.46 U	0.46 U	0.64 J	1.2 U	0.46 U	1.2 U	1.2 U
Allyl chloride	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	1.3 U	0.63 U	0.63 U	0.63 U	3.1 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
Benzothiophene	1.1 U	1.1 U	1.1 UJ	1.1 UJ	2.7 U	11 UJ	1.1 UJ	1.1 U	1.1 U	5.5 U	1.1 UJ	2.7 U	1.1 U	1.1 U	1.1 UJ	1.1 U	1.1 U
Bromodichloromethane	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	2.7 U	1.3 U	3.0	2.8	6.7 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.2 U	2.1 U	2.1 U	2.1 U	10 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	1.6 U	0.78 U	0.78 U	0.78 U	3.9 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
Butadiene, 1,3-	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.90 U	0.44 U	0.44 U	0.44 U	2.2 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Butane	27	0.40 J	0.63	0.48 U	0.48 U	3.1	0.48 U	4.5	0.74	41	66	7.7	0.12 J	0.17 J	0.74	160	180
Butanone, 2-	1.2	9.6	0.59 U	0.59 U	0.59 U	0.90 J	26	1.0	0.54 J	3.0 U	0.59 U	0.59 U	1.8 J	0.44 J	0.50 J	1.4	1.8
Carbon disulfide	0.65 U	0.93 U	0.62 U	0.62 U	0.62 U	1.3 U	0.62 U	0.62 U	0.62 U	3.1 U	0.62 U	0.62 U	2.7	2.2	0.59 J	0.62 U	0.40 J
Carbon tetrachloride	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	2.6 U	0.41 J	0.63 J	0.54 J	6.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Chlorobenzene	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.9 U	0.92 U	0.92 U	0.92 U	4.6 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Chloroethane	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	1.1 U	0.53 U	0.42 J	0.53 U	2.6 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U
Chloroform	0.98 U	0.24 J	0.98 U	0.98 U	0.98 U	2.0 U	2.9	40	44	130	1.1	0.44 J	0.93 J	0.78 J	0.98 U	0.98 U	0.98 U
Chloromethane	0.41 U	0.37 J	0.41 U	0.13 J	0.41 U	0.25 J	0.41 U	0.41 U	0.41 U	2.1 U	0.15 J	0.41 U	0.27 J	0.19 J	0.41 U	0.17 J	0.16 J
Chlorotoluene, 2-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.1 U	1.0 U	1.0 U	1.0 U	5.2 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cryofluorane	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	2.8 U	1.4 U	1.4 U	1.4 U	7.0 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	2.0	1.5
Cyclohexane	22	0.69 U	0.69 U	0.69 U	0.69 U	1.4 U	0.69 U	10	1.5	250	180	12	0.69 U	0.69 U	0.69 U	0.32 J	0.27 J
Decane, n-	9.2	3.1	0.85 J	0.71 J	1.2 U	1.4 J	3.3	10	1.2 UJ	5.8 U	1.2 U	1.2 U	0.87 J	0.35 J	2.0	8.0	3.0
Dibromochloromethane	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	3.5 U	1.7 U	1.7 U	1.7 U	8.5 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dibromoethane, 1,2-	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.1 U	1.5 U	1.5 U	1.5 U	7.7 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Dichlorobenzene, 1,2-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	2.4 U	1.2 U	1.2 U	1.2 U	6.0 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,3-	3.2	0.66 J	1.2 U	1.2 U	1.2 U	2.4 U	1.2	3.5	0.65 J	6.0 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	3.1	0.61 J
Dichlorobenzene, 1,4-	0.39 J	1.2 U	1.2 U	1.2 U	1.2 U	2.4 U	1.2 U	0.38 J	1.2 U	6.0 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.31 J	1.2 U
Dichlorodifluoromethane	1.8	1.6	2.0	2.0	2.1	16	3.0	8.9	5.8	5.9	6.2	4.5	19	19	5.2	4.7	4.1
Dichloroethane, 1,1-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	1.6 U	0.81 U	0.26 J	0.81 U	4.0 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethane, 1,2-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 UJ	1.6 U	0.81 U	0.81 U	0.81 U	4.0 U	0.81 U	0.81 UJ	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethene, 1,1-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	0.79 U	0.21 J	0.79 U	4.0 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloroethene, cis-1,2-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	0.79 U	0.79 U	0.79 U	4.0 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloropropane, 1,2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.9 U	0.92 U	0.92 U	0.92 U	4.6 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Dichloropropene, cis-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	1.8 U	0.91 U	0.91 U	0.91 U	4.5 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dichloropropene, trans-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	1.8 U	0.91 U	0.91 U	0.91 U	4.5 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dioxane, 1,4-	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	3.6 U	0.72 U	0.72 U	0.72 U	3.6 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Dodecane, n-	2.1	5.8 J	0.88 J	1.1 J	3.5 U	2.5 J	0.85 J	2.6	5.2	5.6 J	1.4 UJ	3.5 U	3.7 J	1.1 J	1.3 J	2.1	2.5
Ethanol	11	2.5	5.9	4.4	2.2 J	20	1.6 J	11	2.5 J	3.1 J	3.9	2.9 J	2.4	2.2	1.8 J	9.9	8.9
Ethylthiophene, 2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.9 U	0.92 U	0.92 U	0.92 U	4.6 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OZSG02 3/17/2008	OZSG02 6/25/2008	OZSG02 12/31/2008	Duplicate of OZSG02 12/31/2008	OZSG02 3/24/2009	OZSG03 2/21/2007	OZSG03 2/19/2008	OZSG03 3/17/2008	OZSG03 3/21/2008	OZSG03 6/25/2008	OZSG03 12/31/2008	OZSG03 3/24/2009	OZSG03 6/25/2009	Duplicate of OZSG03 6/25/2009	OZSG04 2/19/2008	OZSG04 3/17/2008	OZSG04 3/21/2008
Ethyltoluene, p-	0.46 J	0.98 U	0.98 U	0.98 U	0.98 U	0.70 J	0.98 U	0.60 J	0.98 U	4.9 U	0.98 U	0.98 U	0.98 U	0.98 U	0.44 J	0.35 J	0.98 U
Heptane, n-	1.4	0.82 U	0.82 U	0.82 U	0.90	0.5 J	0.92	1.3	0.82 U	4.1 U	0.82 U	0.82 U	0.82 U	0.82 U	2.2	1.1	0.82 U
Hexachlorobutadiene	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.3 UJ	2.1 U	2.1 U	2.1 U	11 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Hexane, n-	1.4	0.70 UJ	0.70 U	0.70 U	0.70 U	2.2	0.70 U	0.45 J	0.70 U	3.5 UJ	0.70 U	0.70 U	0.70 U	0.70 U	0.70	0.70 U	0.70 U
Hexanone, 2-	0.82 U	0.82 U	0.82 U	0.82 U	2.0 U	4.2 U	0.82 U	0.82 U	0.82 U	4.1 U	0.82 U	2.0 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	0.27 J	0.97 U	0.97 U	0.97 U	0.97 U	1.3 J	0.97 U	0.39 J	0.97 U	4.8 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.26 J	0.97 U
Indene	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	1.9 U	0.95 U	0.95 U	0.95 U	4.8 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	1.5 U	0.72 U	0.72 U	0.72 U	3.6 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Methyl-2-pentanone, 4-	0.82 U	0.82 U	0.82 U	0.38 J	0.82 U	0.83 J	0.82 U	0.82 U	0.82 U	4.1 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Methylene chloride	1.7 U	6.7 U	1.7 U	1.7 U	1.7 U	25	0.31 J	1.7 U	0.29 J	8.5 U	1.7 U	1.7 U	0.62 J	0.38 J	0.45 J	1.7 U	0.29 J
Methylnaphthalene, 1-	1.2 U	2.9 U	R	R	2.9 UJ	30 U	1.2 UJ	1.2 U	1.2 U	14 U	R	2.9 UJ	1.2 U	1.2 U	1.2 UJ	1.2 U	1.2 U
Methylnaphthalene, 2-	1.2 U	2.9 U	14 UJ	14 UJ	2.9 UJ	30 U	1.2 UJ	1.2 U	1.2 U	14 U	14 UJ	2.9 UJ	1.2 U	1.2 U	1.2 UJ	1.2 U	1.2 U
Methylthiophene, 2-	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	1.6 U	0.80 U	0.80 U	0.80 U	4.0 U	0.80 U	0.80 U	2.0 U	2.0 U	0.80 U	0.80 U	0.80 U
Methylthiophene, 3-	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	1.6 U	0.80 U	0.80 U	0.80 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Naphthalene	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U	5.3 U	1.0 U	1.0 U	1.0 U	5.2 U	1.0 UJ	1.0 U	0.42 J	1.0 U	1.0 U	1.0 U	1.0 U
Nonane	0.80 J	1.0 U	1.0 U	1.0 U	1.0 U	1.4 J	0.30 J	1.1	0.29 J	5.2 U	1.0 U	1.0 U	1.0 U	1.0 U	0.89 J	0.78 J	0.30 J
Octane, n-	80	1.9	0.33 J	0.30 J	0.93 U	0.76 J	0.95	64	0.81 J	4.7 U	0.93 U	0.93 U	0.93 U	0.23 J	1.6	60	1.5
Pentane	12	0.38 J	0.81	0.59 U	0.59 U	0.78 J	0.59 U	3.7	0.44 J	64	67	5.7	0.59 U	0.59 U	0.62	40	27
Propanol, 2-	5.5 j	1.2 UJ	0.49 UJ	0.49 UJ	1.2 UJ	1.0	0.49 U	3.8 J	1.2 U	6.1 UJ	0.49 UJ	1.2 UJ	1.2 U	1.2 U	45	28 J	1.2 UJ
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.27 J	0.85 U	0.85 U	0.85 U	0.85 U	1.7 U	0.85 U	0.34 J	0.85 U	4.3 U	0.85 U	0.85 U	0.26 J	0.85 U	0.85 U	0.22 J	0.85 U
t-Butyl alcohol	0.61 U	0.39 J	0.61 U	0.61 U	0.61 U	1.2 U	0.61 U	0.61 U	0.61 U	3.0 U	0.61 U	0.61 U	1.5 U	1.5 U	0.61 U	0.61 U	0.33 J
Tetrachloroethane, 1,1,2,2-	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	2.8 U	1.4 U	1.4 U	1.4 U	6.9 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Tetrachloroethene	5.8	5.5	1.2 J	1.1 J	1.2 J	0.96 J	1.0 J	4.4	1.6	12	37	24	53	51	12	9.2	4.4
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	0.33 J	1.1 U	1.1 U	1.1 U	2.7 U	2.2 U	1.1 U	1.1 U	1.1 U	5.5 U	1.1 U	2.7 U	1.1 U	1.1 U	0.49 J	1.1 U	1.1 U
Thiophene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	1.4 U	0.69 U	0.69 U	0.69 U	3.4 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Trans-1,2-dichloroethene	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	0.79 U	0.79 U	0.79 U	4.0 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	0.39 J	1.5 U	1.5 U	1.5 U	1.5 U	3.1 U	0.57 J	0.80 J	0.39 J	7.7 U	0.38 J	1.5 U	0.46 J	0.46 J	0.46 J	0.46 J	0.50 J
Trichlorobenzene, 1,2,4-	1.5 U	1.5 U	1.5 UJ	1.5 UJ	1.5 U	3.0 UJ	1.5 U	1.5 U	1.5 U	7.4 U	1.5 UJ	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Trichloroethane, 1,1,1-	0.32 J	7.2	2.1	1.8	1.7	2.2 U	1.1 U	0.29 J	1.1 U	6.5	1.8	1.5	1.7	1.7	2.3	2.1	2.4
Trichloroethane, 1,1,2-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	1.1 U	1.1 U	1.1 U	5.4 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethene	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	1.1 U	1.1 U	1.1 U	5.4 U	1.5	0.27 J	2.2 J	1.1 UJ	1.1 U	1.1 U	1.1 U
Trichlorofluoromethane	1.8	3.0	2.1	2.1	1.1	1.9 J	1.1	1.8	1.1 J	3.6 J	1.5	0.95 J	5.1	5.0	7.2	7.4	6.2
Trimethylbenzene, 1,2,3-	1.5	0.29 J	0.98 U	0.98 U	0.98 U	2.1	0.65 J	2.0	0.98 U	4.9 U	0.98 U	0.98 U	0.98 U	0.98 U	1.8	1.4	0.43 J
Trimethylbenzene, 1,2,4-	0.53 J	0.98 U	0.98 U	0.98 U	0.98 U	4.2	0.98 U	0.67 J	0.98 U	4.9 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98	0.42 J	0.98 U
Trimethylbenzene, 1,3,5-	0.54 J	0.98 U	0.98 U	0.98 U	0.98 U	1.1 J	0.26 J	1.0	0.98 U	4.9 U	0.98 U	0.98 U	0.98 U	0.98 U	0.69 J	0.51 J	0.98 U
Trimethylpentane, 2,2,4-	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	1.9 U	0.93 U	0.93 U	0.93 U	4.7 U	0.93 U	0.93 U	0.93 U	0.93 U	0.61 J	0.93 U	0.93 U
Undecane, n-	1.7	3.2	0.58 J	0.57 J	1.3 U	1.6 J	0.80 J	1.6	1.3 UJ	6.4 U	1.3 U	1.3 U	0.83 J	0.51 J	0.77 J	1.5	1.5
Vinyl bromide	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	1.8 U	0.87 U	0.87 U	0.87 U	4.4 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl chloride	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	1.0 U	0.51 U	0.51 U	0.51 U	2.6 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Other (%)																	
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NA	NA	0.0161	0.0163	0.0208 U	NA	NA	NA	NA	NA	0.0189	0.0157 U	0.0203	0.0176	NA	NA	NA

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name:	OZSG04	OZSG04	OZSG04	OZSG05	OZSG05	OZSG05	OZSG05	OZSG05	OZSG05
Sample Date:	6/25/2008	12/31/2008	3/26/2009	2/19/2008	3/17/2008	3/21/2008	6/25/2008	12/31/2008	3/26/2009
BTEX (ug/m3)									
Benzene	4.0 J	1.8	5.9	0.64 U	0.64 U	0.64 U	2.8	1.4	3.5
Toluene	3.6 J	1.2	3.9	13	3.7	1.0	7.3	1.2	3.1
Ethylbenzene	4.3 U	0.23 J	0.69 J	0.35 J	0.60 J	0.87 U	0.52 J	0.87 U	0.67 J
Xylene, m,p-	8.7 U	0.33 J	1.0 J	1.1 J	2.0	0.45 J	1.0 J	0.30 J	0.93 J
Xylene, o-	4.3 U	0.87 U	0.52 J	0.39 J	0.71 J	0.87 U	0.26 J	0.87 U	0.53 J
Other VOCs (ug/m3)									
Acetaldehyde	230	130	120	2.4 J	5.2	5.4	32	55 J	94
Acetone	170	45	64	2.3	4.8 U	2.3 U	47	20	73
Acrolein (propenal)	3.4	2.0	3.3	0.46 U	1.2 U	1.2 U	1.3	1.3	2.5
Allyl chloride	3.1 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
Benzothiophene	5.5 U	1.1 UJ	14 UJ	1.1 UJ	1.1 U	1.1 U	1.1 U	1.1 UJ	14 UJ
Bromodichloromethane	6.7 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	10 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	3.9 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
Butadiene, 1,3-	5.6	5.4	7.0	0.44 U	0.44 U	0.44 U	0.38 J	2.3	7.6
Butane	14	7.0	6.2	0.78	0.48 U	0.48 U	3.1	3.4	7.5
Butanone, 2-	31	8.6	15	2.1	32	0.36 J	6.0	4.3	17
Carbon disulfide	4.8 U	2.8	1.7	0.62 U	0.62 U	0.62 U	1.3 U	2.1	3.4
Carbon tetrachloride	6.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	0.41 J	1.3 U
Chlorobenzene	4.6 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Chloroethane	2.6 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U
Chloroform	4.9 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	1.4	0.27 J	0.98 U
Chloromethane	2.1 U	0.41 U	0.19 J	0.41 U	0.27 J	0.41 U	0.17 J	0.41 U	0.50
Chlorotoluene, 2-	5.2 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cryofluorane	7.0 U	2.3	1.2 J	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Cyclohexane	3.4 U	0.26 J	0.22 J	0.69 U	0.69 U	0.69 U	0.69 U	0.38 J	0.69 U
Decane, n-	5.8 U	0.75 J	0.69 J	4.7	12	2.5	1.2 U	0.31 J	0.38 J
Dibromochloromethane	8.5 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dibromoethane, 1,2-	7.7 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Dichlorobenzene, 1,2-	6.0 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,3-	6.0 U	1.2 U	1.2 U	0.66 J	4.6	0.41 J	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,4-	6.0 U	1.2 U	1.2 U	1.2 U	0.43 J	1.2 U	0.48 J	1.2 U	1.2 U
Dichlorodifluoromethane	4.4 J	3.4	4.1	2.3	2.4	2.1	2.8	2.5	2.4
Dichloroethane, 1,1-	4.0 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	2.1	0.41 J	0.81 U
Dichloroethane, 1,2-	4.0 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethene, 1,1-	4.0 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloroethene, cis-1,2-	4.0 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.52 J	0.79 U	0.79 U
Dichloropropane, 1,2-	4.6 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Dichloropropene, cis-1,3	4.5 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dichloropropene, trans-1,3	4.5 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dioxane, 1,4-	3.6 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Dodecane, n-	7.0 UJ	0.55 J	0.77 J	1.5	5.1	24	2.0 J	0.86 J	0.38 J
Ethanol	4.9 J	77	2.1	2.2	6.5	4.7 J	0.68 J	5.3	3.2
Ethylthiophene, 2-	4.6 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name:	OZSG04 6/25/2008	OZSG04 12/31/2008	OZSG04 3/26/2009	OZSG05 2/19/2008	OZSG05 3/17/2008	OZSG05 3/21/2008	OZSG05 6/25/2008	OZSG05 12/31/2008	OZSG05 3/26/2009
Ethyltoluene, p-	4.9 U	0.98 U	0.98 U	0.25 J	0.41 J	0.98 U	0.98 U	0.98 U	0.98 U
Heptane, n-	4.1 U	0.93	1.6	2.1	0.79 J	0.82 U	0.82 U	1.0	1.4
Hexachlorobutadiene	11 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Hexane, n-	2.5 J	1.3	1.7	0.70 U	0.70 U	0.70 U	0.70 UJ	1.5	1.8
Hexanone, 2-	3.5 J	0.82 U	2.4	0.82 U	0.82 U	0.82 U	0.82 U	0.63 J	1.0
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	4.8 U	0.97 U	0.97 U	0.97 U	0.33 J	0.97 U	0.97 U	0.97 U	0.97 U
Indene	4.8 U	0.95 U	0.95	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	1.2
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	3.6 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Methyl-2-pentanone, 4-	4.1	1.7	1.8	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	1.2
Methylene chloride	8.5 U	1.7 U	1.7 U	0.45 J	1.7 U	0.32 J	1.7 J	1.7 U	1.7 U
Methylnaphthalene, 1-	14 U	R	5.8 U	1.2 UJ	1.2 U	1.2 U	2.9 U	R	5.8 U
Methylnaphthalene, 2-	14 U	14 UJ	5.8 U	1.2 UJ	1.2 U	1.2 U	2.9 U	14 UJ	5.8 U
Methylthiophene, 2-	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Methylthiophene, 3-	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Naphthalene	5.2 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U
Nonane	5.2 U	0.50 J	0.93 J	0.63 J	0.86 J	1.0 U	1.0 U	0.58 J	0.70 J
Octane, n-	4.7 U	0.66 J	1.4	2.5	52	0.68 J	0.93 U	0.58 J	1.1
Pentane	5.8	2.7	3.2	0.59 U	0.59 U	0.27 J	1.5	2.5	3.6
Propanol, 2-	6.1 UJ	0.49 UJ	0.49 UJ	0.49 U	2.0 J	0.73 J	1.4 UJ	1.4 J	1.1 U
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	4.3 U	0.85 U	0.60 J	0.85 U	0.22 J	0.85 U	0.85 U	0.85 U	0.72 J
t-Butyl alcohol	4.7	0.68 J	0.84	0.61 U	0.27 J	0.26 J	0.48 J	0.50 J	0.85
Tetrachloroethane, 1,1,2,2-	6.9 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Tetrachloroethene	16	4.7	5.7	1.2 J	3.5	1.2 J	35	5.7	14
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	5.5 U	1.1 U	5.5 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	5.5 U
Thiophene	3.4 U	0.69 U	0.42 J	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.42 J
Trans-1,2-dichloroethene	4.0 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	7.7 U	1.5 U	0.39 J	0.54 J	0.82 J	0.51 J	0.61 J	0.53 J	1.5 U
Trichlorobenzene, 1,2,4-	7.4 U	1.5 UJ	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 UJ	1.5 U
Trichloroethane, 1,1,1-	5.2 J	3.0	2.1	1.8	1.2	1.1 J	11	2.8	1.1 U
Trichloroethane, 1,1,2-	5.4 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethene	5.4 U	0.39 J	1.1 U	1.1 U	1.1 U	1.1 U	0.43 J	1.1 U	1.1 U
Trichlorofluoromethane	22	12	11	1.5	1.6	1.1	4.4	1.9	0.82 J
Trimethylbenzene, 1,2,3-	4.9 U	0.98 U	0.98 U	0.84 J	1.9	0.34 J	0.98 U	0.98 U	0.98 U
Trimethylbenzene, 1,2,4-	4.9 U	0.98 U	0.98 U	0.25 J	0.50 J	0.98 U	0.98 U	0.98 U	0.98 U
Trimethylbenzene, 1,3,5-	4.9 U	0.98 U	0.98 U	0.34 J	0.67 J	0.98 U	0.98 U	0.98 U	0.98 U
Trimethylpentane, 2,2,4-	4.7 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U
Undecane, n-	7.4	1.0 J	0.65 J	0.96 J	2.4	7.3	1.3 U	0.37 J	0.40 J
Vinyl bromide	4.4 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl chloride	2.6 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Other (%)									
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NA	0.0151	0.0172 U	NA	NA	NA	NA	0.019	0.0198 U

Table 6-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Report

Notes:

ug/m³ - micrograms per cubic meter

BTEX - benzene, toluene, ethylbenzene, and xylene

VOCs - volatile organic compounds

Bolding indicates a detected result value

NA - not analyzed

NE - not established

E - value above quantitation range

J - estimated value

U - indicates not detected to the reporting limit for organic analysis and the method detection limit for inorganic analysis

UJ - not detected at or above the reporting limit shown and the reporting limit is estimated

Table 6-2
Analytical Ambient Air Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	NYSDOH Background Outdoor Air 95th Percentile ¹	OU2AA01 7/21/2004	Duplicate of OU2AA01 7/21/2004	OU2AA01 10/13/2004	Duplicate of OU2AA01 10/13/2004	OU2AA01 5/5/2005	Duplicate of OU2AA01 5/5/2005	OU2AA01 8/30/2005	Duplicate of OU2AA01 8/30/2005	OU2AA01 2/1/2006	Duplicate of OU2AA01 2/1/2006	OU2AA01 6/14/2006	Duplicate of OU2AA01 6/14/2006
BTEX (ug/m3)													
Benzene	5.8	2.5 U	2.6 U	2.4 U	2.4 U	2.2	2.2 U	2.4 U	2.4 U	2.4 U	2.5 U	2.3 U	2.3 U
Toluene	21	3 U	3 U	2.9 U	2.8 U	2.4 U	2.6 U	2.9 U	2.9 U	2.8 U	3 U	3.8	3.3
Ethylbenzene	1.9	3.4 U	3.5 U	3.3 U	3.2 U	2.8 U	3 U	3.3 U	3.3 U	3.2 U	3.4 U	3.2 U	3.2 U
Xylene, m,p-	3.1	3.4 U	3.5 U	3.3 U	3.2 U	2.8 U	3 U	3.3 U	3.3 U	3.2 U	3.4 U	3.2 U	3.2 U
Xylene, o-	2.5	3.4 U	3.5 U	3.3 U	3.2 U	2.8 U	3 U	3.3 U	3.3 U	3.2 U	3.4 U	3.2 U	3.2 U
Other VOCs (ug/m3)													
Acetaldehyde	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	58	16.9	14.3	7.1 U	7.1 U	16.9	30.9	22.1	10	12.4	7.6 U	6.9 UJ	9.7 J
Acrolein (propenal)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Allyl chloride	NE	10 U	10 U	9.4 U	9.4 U	8.1 U	8.8 U	9.4 U	9.4 U	9.4 U	10 U	9.1 U	9.1 U
Benzothiophene	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	NE	5.3 U	5.4 U	5.1 U	5 U	4.4 U	4.7 U	5.1 U	5.1 U	5 U	5.3 U	4.9 U	4.9 U
Bromoform	NE	8.2 U	8.3 U	7.9 U	7.6 U	6.7 U	7.2 U	7.9 U	7.9 U	7.6 U	8.2 U	7.5 U	7.5 U
Bromomethane	0.9	3.1 U	3.1 U	3 U	2.9 U	2.5 U	2.7 U	3 U	3 U	2.9 U	3.1 U	2.8 U	2.8 U
Butadiene, 1,3-	NE	1.7 U	1.8 U	1.7 U	1.6 U	1.4 U	1.5 U	1.7 U	1.7 U	1.6 U	1.7 U	1.6 U	1.6 U
Butane	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butanone, 2-	17	2.8	2.4 J	2.2 U	2.2 U	1.9 U	3.2	2.7	2.2 U	2.2 U	2.3 U	2.2 U	2.2 U
Carbon disulfide	NE	2.5 U	4.7	2.4 U	2.3 U	2 U	2.2 U	2.4 U	2.5	2.3 U	2.5 U	2.3 U	2.3 U
Carbon tetrachloride	1	5 U	5 U	4.8 U	4.7 U	4.1 U	4.4 U	4.8 U	4.8 U	4.7 U	5 U	4.6 U	4.6 U
Chlorobenzene	<0.25	3.6 U	3.7 U	3.5 U	3.4 U	3 U	3.2 U	3.5 U	3.5 U	3.4 U	3.6 U	3.4 U	3.4 U
Chloroethane	0.4	2.1 U	2.1 U	2 U	2 U	1.7 U	1.8 U	2 U	2 U	2 U	2.1 U	1.9 U	1.9 U
Chloroform	0.5	3.9 U	3.9 U	3.7 U	3.6 U	3.2 U	3.4 U	3.7 U	3.7 U	3.6 U	3.9 U	3.6 U	3.6 U
Chloromethane	4.6	6.6 U	6.6 U	6.2 U	6.2 U	5.4 U	5.8 U	6.2 U	6.2 U	6.2 U	6.6 U	6 U	6 U
Chlorotoluene, 2-	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cryofluorane	1.3	5.5 U	5.6 U	5.3 U	5.2 U	4.5 U	4.9 U	5.3 U	5.3 U	5.2 U	5.5 U	5.1 U	5.1 U
Cyclohexane	3	2.7 U	2.8 U	2.6 U	2.5 U	2.2 U	2.4 U	2.6 U	2.6 U	2.5 U	2.7 U	2.5 U	2.5 U
Decane, n-	3.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	NE	6.7 U	6.8 U	6.5 U	6.3 U	5.5 U	6 U	6.5 U	6.5 U	6.3 U	6.7 U	6.2 U	6.2 U
Dibromoethane, 1,2-	<0.25	6.1 U	6.1 U	5.8 U	5.7 U	5 U	5.4 U	5.8 U	5.8 U	5.7 U	6.1 U	5.6 U	5.6 U
Dichlorobenzene, 1,2-	0.9	4.7 U	4.8 U	4.6 U	4.4 U	3.9 U	4.2 U	4.6 U	4.6 U	4.4 U	4.7 U	4.4 U	4.4 U
Dichlorobenzene, 1,3-	0.7	4.7 U	4.8 U	4.6 U	4.4 U	3.9 U	4.2 U	4.6 U	4.6 U	4.4 U	4.7 U	4.4 U	4.4 U
Dichlorobenzene, 1,4-	0.8	4.7 U	4.8 U	4.6 U	4.4 U	3.9 U	4.2 U	4.6 U	4.6 U	4.4 U	4.7 U	4.4 U	4.4 U
Dichlorodifluoromethane	11	3.9 U	4 U	3.8 U	3.7 U	3.2 U	3.5 U	3.8 U	3.8 U	3.7 U	3.9 U	3.6 U	3.6 U
Dichloroethane, 1,1-	<0.25	3.2 U	3.2 U	3.1 U	3 U	2.6 U	2.8 U	3.1 U	3.1 U	3 U	3.2 U	3 U	3 U
Dichloroethane, 1,2-	<0.25	3.2 U	3.2 U	3.1 U	3 U	2.6 U	2.8 U	3.1 U	3.1 U	3 U	3.2 U	3 U	3 U
Dichloroethene, 1,1-	<0.25	3.1 U	3.2 U	3 U	2.9 U	2.6 U	2.8 U	3 U	3 U	2.9 U	3.1 U	2.9 U	2.9 U
Dichloroethene, cis-1,2-	<0.25	3.1 U	3.2 U	3 U	2.9 U	2.6 U	2.8 U	3 U	3 U	2.9 U	3.1 U	2.9 U	2.9 U
Dichloropropane, 1,2-	<0.25	3.7 U	3.7 U	3.5 U	3.4 U	3 U	3.2 U	3.5 U	3.5 U	3.4 U	3.7 U	3.4 U	3.4 U
Dichloropropene, cis-1,3	<0.25	3.6 U	3.6 U	3.4 U	3.4 U	3 U	3.2 U	3.4 U	3.4 U	3.4 U	3.6 U	3.3 U	3.3 U
Dichloropropene, trans-1,3	<0.25	3.6 U	3.6 U	3.4 U	3.4 U	3 U	3.2 U	3.4 U	3.4 U	3.4 U	3.6 U	3.3 U	3.3 U
Dioxane, 1,4-	NE	11.5 U	11.5 U	10.8 U	10.8 U	9.4 U	10.1 U	10.8 U	10.8 U	10.8 U	11.5 U	10.5 U	10.5 U
Dodecane, n-	7.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethanol	220	6 U	6.8	5.7 U	5.7 U	4.9 U	8.7	5.7 U	5.7 U	5.7 U	22.6	5.5 U	5.5 U
Ethylthiophene, 2-	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 6-2
Analytical Ambient Air Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	NYSDOH Background Outdoor Air 95th Percentile ¹	OU2AA01 7/21/2004	Duplicate of OU2AA01 7/21/2004	OU2AA01 10/13/2004	Duplicate of OU2AA01 10/13/2004	OU2AA01 5/5/2005	Duplicate of OU2AA01 5/5/2005	OU2AA01 8/30/2005	Duplicate of OU2AA01 8/30/2005	OU2AA01 2/1/2006	Duplicate of OU2AA01 2/1/2006	OU2AA01 6/14/2006	Duplicate of OU2AA01 6/14/2006
Ethyltoluene, p-	NE	3.9 U	3.9 U	3.7 U	3.6 U	3.2 U	3.4 U	3.7 U	3.7 U	3.6 U	3.9 U	3.6 U	3.6 U
Heptane, n-	5.1	3.2 U	3.3 U	3.1 U	3 U	2.7 U	2.9 U	3.1 U	3.1 U	3 U	3.2 U	3 U	3 U
Hexachlorobutadiene	7	34.1 U	34.1 U	32 U	32 U	27.7 U	29.9 U	32 U	32 U	34.1 U	30.9 U	30.9 U	30.9 U
Hexane, n-	3.6	2.8 U	2.8 U	2.7 U	2.6 U	2.3 U	2.5 U	2.7 U	2.7 U	2.6 U	2.8 U	2.6 U	2.6 U
Hexanone, 2-	NE	13.1 U	13.1 U	12.3 U	12.3 U	10.7 U	11.5 U	12.3 U	12.3 U	12.3 U	13.1 U	11.9 U	11.9 U
Indan	NE	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Indene	NE	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Isopropyl benzene	0.4	3.9 U	3.9 U	3.7 U	3.6 U	3.2 U	3.4 U	3.7 U	3.7 U	3.6 U	3.9 U	3.6 U	3.6 U
Methyl tert-butyl ether	5.9	2.8 U	2.9 U	2.7 U	2.7 U	2.3 U	2.5 U	2.7 U	2.7 U	2.7 U	2.8 U	2.6 U	2.6 U
Methyl-2-pentanone, 4-	2.9	3.2 U	3.3 U	3.1 U	3 U	2.7 U	2.9 U	3.1 U	3.1 U	3 U	3.2 U	3 U	3 U
Methylene chloride	2.9	2.7 UJ	2.8 UJ	2.6 U	2.6 U	2.3 U	2.4 U	2.6 U	2.6 U	2.6 U	2.7 U	2.5 U	2.5 U
Methylnaphthalene, 1-	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylnaphthalene, 2-	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylthiophene, 2-	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylthiophene, 3-	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	10	16.8 U	16.8 U	15.7 U	15.7 U	13.6 UJ	14.7 UJ	15.7 U	15.7 U	15.7 U	16.8 U	15.2 UJ	15.2 UJ
Nonane	1.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Octane, n-	2.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pentane	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Propanol, 2-	NE	7.9 U	7.9 U	7.4 U	7.4 U	6.4 U	6.9 U	7.4 U	7.4 U	7.4 U	7.9 U	7.1 U	7.1 U
Propylbenzene, n-	0.5	3.9 U	3.9 U	3.7 U	3.6 U	3.2 U	3.4 U	3.7 U	3.7 U	3.6 U	3.9 U	3.6 U	3.6 U
Styrene	0.6	3.4 U	3.4 U	3.2 U	3.2 U	2.8 U	3 U	3.2 U	3.2 U	3.2 U	3.4 U	3.1 U	3.1 U
t-Butyl alcohol	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethane, 1,1,2,2-	<0.25	5.4 U	5.5 U	5.2 U	5.1 U	4.5 U	4.8 U	5.2 U	5.2 U	5.1 U	5.4 U	5 U	5 U
Tetrachloroethene	1.6	5.4 U	5.4 U	5.2 U	5 U	4.4 U	4.7 U	5.2 U	5.2 U	5 U	5.4 U	5 U	5 U
Tetrahydrofuran	0.4	2.3 U	2.4 U	2.2 U	2.2 U	1.9 U	2.1 U	2.2 U	2.2 U	2.2 U	2.3 U	2.2 U	2.2 U
Tetramethylbenzene, 1,2,4,5-	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thiophene	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trans-1,2-dichloroethene	NE	3.1 U	3.2 U	3 U	2.9 U	2.6 U	2.8 U	3 U	3 U	2.9 U	3.1 U	2.9 U	2.9 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	6.1 U	6.1 U	5.8 U	5.7 U	5 U	5.4 U	5.8 U	5.8 U	5.7 U	6.1 U	5.6 U	5.6 U
Trichlorobenzene, 1,2,4-	4.8	23.7 U	23.7 U	22.3 U	22.3 U	19.3 U	20.8 U	22.3 U	22.3 U	22.3 U	23.7 U	21.5 U	21.5 U
Trichloroethane, 1,1,1-	0.7	4.3 U	4.4 U	4.1 U	4 U	3.5 U	3.8 U	4.1 U	4.1 U	4 U	4.3 U	4 U	4 U
Trichloroethane, 1,1,2-	<0.25	4.3 U	4.4 U	4.1 U	4 U	3.5 U	3.8 U	4.1 U	4.1 U	4 U	4.3 U	4 U	4 U
Trichloroethene	0.5	4.2 U	4.3 U	4.1 U	4 U	3.5 U	3.8 U	4.1 U	4.1 U	4 U	4.2 U	3.9 U	3.9 U
Trichlorofluoromethane	6.1	4.4 U	4.5 U	4.3 U	4.2 U	3.7 U	3.9 U	4.3 U	4.3 U	4.2 U	4.4 U	4.1 U	4.1 U
Trimethylbenzene, 1,2,3-	0.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trimethylbenzene, 1,2,4-	2.5	3.9 U	3.9 U	3.7 U	3.6 U	3.2 U	3.4 U	3.7 U	3.7 U	3.6 U	3.9 U	3.6 U	3.6 U
Trimethylbenzene, 1,3,5-	1	3.9 U	3.9 U	3.7 U	3.6 U	3.2 U	3.4 U	3.7 U	3.7 U	3.6 U	3.9 U	3.6 U	3.6 U
Trimethylpentane, 2,2,4-	2	3.7 U	3.7 U	3.6 U	3.5 U	3 U	3.3 U	3.6 U	3.6 U	3.5 U	3.7 U	3.4 U	3.4 U
Undecane, n-	2.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl bromide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	<0.25	2 U	2 U	1.9 U	1.9 U	1.7 U	1.8 U	1.9 U	1.9 U	1.9 U	2 U	1.9 U	1.9 U

Table 6-2
Analytical Ambient Air Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	NYSDOH Background Outdoor Air 95th Percentile ¹	OU2AA01 9/7/2006	Duplicate of OU2AA01 9/7/2006	Field Blank OU2AA01 2/22/2007	OU2AA01 2/22/2007	Duplicate of OU2AA01 2/22/2007	OU2AA01 6/14/2007	OU2AA01 9/19/2007	OU2AA01 12/19/2007	OU2AA01 3/27/2008	OU2AA01 6/23/2008	OU2AA01 9/22/2008	OU2AA01 12/29/2008
BTEX (ug/m3)													
Benzene	5.8	2.6 U	2.6 U	5.0	4.5 J	4.5 J	0.43 J	1.4 U	3.3	2.0	1.8	0.57 J	0.72
Toluene	21	12.1 J	3.1 UJ	15	16 J	19 J	0.74 J	4.0	10	6.8	1.2	1.8	0.70 J
Ethylbenzene	1.9	3.5 U	3.6 U	2.5	1.7	2.0	0.87 U	0.69 J	1.5	0.74 J	0.26 J	0.30 J	0.87 U
Xylene, m,p-	3.1	3.5 U	3.6 U	7.6	5.4 J	6.5 J	0.25 J	1.8	4.6	2.7	0.48 J	0.69 J	0.23 J
Xylene, o-	2.5	3.5 U	3.6 U	2.8	1.9	2.0	0.87 U	0.56 J	1.6	0.92	0.22 J	0.26 J	0.87 U
Other VOCs (ug/m3)													
Acetaldehyde	NE	NA	NA	2.7 J	2.6 UJ	2.6 J	43 J	18	1.8 U	7.4 J	27	13	4.7 J
Acetone	58	14.5 J	7.8 UJ	14	16	16	19	9.3	19	13 J	7.8	9.2 J	5.4 J
Acrolein (propenal)	NE	NA	NA	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.23 J	0.44 J	0.46 U	0.46 U
Allyl chloride	NE	10 U	10.3 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 UJ	0.63 U	0.63 U
Benzothiophene	NE	NA	NA	5.5 UJ	5.5 UJ	5.5 UJ	2.7 UJ	14 UJ	1.1 U	1.1 U	1.1 U	1.1 U	1.1 UJ
Bromodichloromethane	NE	5.4 U	5.5 U	1.3 U	1.3 U	1.3 U	1.3 UJ	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	NE	8.3 U	8.5 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	0.9	3.1 U	3.2 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
Butadiene, 1,3-	NE	1.8 U	1.8 U	0.86	0.66	0.84	0.44 U	0.44 U	0.44 U	0.48	0.44 U	0.44 U	0.44 U
Butane	NE	NA	NA	15	14 J	15 J	0.48 U	1.8	15	5.4	0.50	1.8	3.0
Butanone, 2-	17	2.4 U	2.4 U	1.7	3.0	2.7	1	3.1	5.9	2.0	1.4	1.4	0.66
Carbon disulfide	NE	2.5 U	2.6 U	1.7	0.62 U	0.62 U	0.62 U	0.62 U	0.16 J	0.62 U	0.40 J	0.19 J	0.37 J
Carbon tetrachloride	1	5 U	5.2 U	1.3 U	0.44 J	1.3 U	0.57 J	0.57 J	0.44 J	0.55 J	0.38 J	0.57 J	0.56 J
Chlorobenzene	<0.25	3.7 U	3.8 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Chloroethane	0.4	2.1 U	2.2 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U
Chloroform	0.5	3.9 U	4 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Chloromethane	4.6	6.6 U	6.8 U	1.2 J	1.1 J	1.1 J	1.3	0.99	1.0	1.0	1.6	1.0	1.3
Chlorotoluene, 2-	NE	NA	NA	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cryofluorane	1.3	5.6 U	5.7 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Cyclohexane	3	2.8 U	2.8 U	1.2	1.3	1.2	0.69 U	0.34 J	0.69	0.40 J	0.69 U	0.69 U	0.22 J
Decane, n-	3.6	NA	NA	0.99 J	1.3 J	1.3 J	1.2 U	0.52 J	0.70 J	0.54 J	1.2 U	1.2 U	0.51 J
Dibromochloromethane	NE	6.8 U	7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dibromoethane, 1,2-	<0.25	6.1 U	6.3 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Dichlorobenzene, 1,2-	0.9	4.8 U	4.9 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,3-	0.7	4.8 U	4.9 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,4-	0.8	4.8 U	4.9 U	1.2 UJ	0.60 J	0.60 J	1.2 U	0.36 J	0.60 J	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorodifluoromethane	11	4 U	4.1 U	2.8	3.1	3.1	2.9	2.5	2.7	2.1	2.5	2.6	2.5
Dichloroethane, 1,1-	<0.25	3.2 U	3.3 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethane, 1,2-	<0.25	3.2 U	3.3 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethene, 1,1-	<0.25	3.2 U	3.3 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloroethene, cis-1,2-	<0.25	3.2 U	3.3 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloropropane, 1,2-	<0.25	3.7 U	3.8 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Dichloropropene, cis-1,3	<0.25	3.6 U	3.7 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dichloropropene, trans-1,3	<0.25	3.6 U	3.7 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dioxane, 1,4-	NE	11.5 U	11.9 U	1.8 U	1.8 U	1.8 U	1.8 U	0.72 U	1.8 U	0.72 U	0.72 U	0.72 U	0.72 U
Dodecane, n-	7.6	NA	NA	0.42 J	1.4 U	0.56 J	1.4 U	1.4 U	1.4 U	1.4 U	0.49 J	0.42 J	0.67 J
Ethanol	220	22.6 J	6.8 J	30	26 U	25 J	10	15	24	20	6.3	5.7	5.0
Ethylthiophene, 2-	NE	NA	NA	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U

Table 6-2
Analytical Ambient Air Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	NYSDOH Background Outdoor Air 95th Percentile ¹	OU2AA01 9/7/2006	Duplicate of OU2AA01 9/7/2006	Field Blank OU2AA01 2/22/2007	OU2AA01 2/22/2007	Duplicate of OU2AA01 2/22/2007	OU2AA01 6/14/2007	OU2AA01 9/19/2007	OU2AA01 12/19/2007	OU2AA01 3/27/2008	OU2AA01 6/23/2008	OU2AA01 9/22/2008	OU2AA01 12/29/2008
Ethyltoluene, p-	NE	3.9 U	4 U	0.59 J	0.49 J	0.49 J	0.98 U	0.98 U	0.44 J	0.29 J	0.98 U	0.98 U	0.98 U
Heptane, n-	5.1	3.3 U	3.4 U	2.6	2.3 J	2.3	0.82 U	0.70 J	1.2	1.1	0.82 UJ	0.45 J	0.82 U
Hexachlorobutadiene	7	34.1 UJ	35.2 UJ	2.1 UJ	2.1 UJ	2.1 UJ	2.1 UJ	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Hexane, n-	3.6	2.8 U	2.9 U	5.9	5.7 J	5.6 J	0.21 J	1.4	2.8	1.8	0.25 J	0.60 J	0.65 J
Hexanone, 2-	NE	13.1 U	13.5 U	2.0 U	2.0 U	2.0 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Indan	NE	15.5 U	16 U	0.58 J	0.97 U	0.48 J	0.97 U	0.97 UJ	0.29 J	0.97 U	0.97 U	0.97 U	0.97 U
Indene	NE	15.2 U	15.7 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U
Isopropyl benzene	0.4	3.9 U	4 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	5.9	2.9 U	3 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Methyl-2-pentanone, 4-	2.9	3.3 U	3.4 U	0.65 J	0.82 U	0.45 J	1.2	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Methylene chloride	2.9	2.8 U	2.8 U	5.9 J	8.0	7.2 J	2.4	1.5 U	1.9	1.5 J	1.9 U	0.83 U	1.7 U
Methylnaphthalene, 1-	NE	NA	NA	14 U	14 U	14 U	29 U	5.8 UJ	14 UJ	1.2 U	2.9 UJ	1.2 U	R
Methylnaphthalene, 2-	NE	NA	NA	14 U	14 U	14 U	5.8 U	14 U	14 U	1.2 U	2.9 UJ	1.2 U	14 UJ
Methylthiophene, 2-	NE	NA	NA	0.80 U	0.80 U	0.80 U	0.8 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Methylthiophene, 3-	NE	NA	NA	0.80 U	0.80 U	0.80 U	0.8 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Naphthalene	10	16.8 U	17.3 U	2.6 U	0.26 J	0.37 J	5.2 UJ	1.0 UJ	0.52 J	1.0 U	1.0 U	1.0 U	1.0 U
Nonane	1.2	NA	NA	1.1	1.5	1.6	1 U	1.0 U	0.63 J	0.59 J	1.0 U	1.0 U	1.0 U
Octane, n-	2.1	NA	NA	0.93	0.89 J	1.2	0.93 U	0.28 J	0.65 J	0.93 U	0.93 U	0.23 J	0.93 U
Pentane	NE	NA	NA	7.3	6.2 J	6.5 J	0.98	1.6	5.7	3.1	0.56 J	1.3	3.6
Propanol, 2-	NE	9.6 J	8.1 UJ	4.0	5.2 J	4.8 J	9.1	1.7	3.4 J	2.5	1.2 UJ	0.49 U	0.98 UJ
Propylbenzene, n-	0.5	3.9 U	4 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.6	3.4 U	3.5 U	0.38 J	0.25 J	0.43 J	0.85 U	0.85 U	0.38 J	0.85 U	0.85 U	0.85 U	0.85 U
t-Butyl alcohol	NE	NA	NA	0.61 U	0.61 U	0.61 U	0.61 U	0.18 J	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U
Tetrachloroethane, 1,1,2,2-	<0.25	5.5 U	5.6 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Tetrachloroethene	1.6	5.4 U	5.6 U	1.2 J	2.4	3.3	1.4 U	0.68 J	2.2	0.96 J	1.4 U	1.4 U	1.4 U
Tetrahydrofuran	0.4	2.4 U	2.4 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	NA	NA	1.1 U	1.1 U	1.1 U	1.1 U	14 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Thiophene	NE	NA	NA	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Trans-1,2-dichloroethene	NE	3.2 U	3.3 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	6.1 U	6.3 U	0.54 J	0.69 J	0.54 J	0.59 J	0.69 J	0.61 J	1.5 U	0.46 J	0.54 J	0.51 J
Trichlorobenzene, 1,2,4-	4.8	23.7 UJ	24.5 UJ	1.5 UJ	1.5 UJ	1.5 UJ	3.7 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Trichloroethane, 1,1,1-	0.7	4.4 U	4.5 U	1.1 U	1.1 U	1.1 U	1.1 UJ	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethane, 1,1,2-	<0.25	4.4 U	4.5 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethene	0.5	4.3 U	4.4 U	1.1	3.0 J	3.1	1.1 U	0.43 J	3.5	0.97 J	1.1 U	1.1 U	1.1 U
Trichlorofluoromethane	6.1	4.5 U	4.6 U	1.8	2.1	2.1	1.9 J	1.5	1.4	1.3	1.2	1.3	1.4
Trimethylbenzene, 1,2,3-	0.6	NA	NA	1.2	1.0	1.2	0.98 U	0.64 J	0.49 J	0.26 J	0.98 U	0.98 U	0.98 U
Trimethylbenzene, 1,2,4-	2.5	3.9 UJ	4 UJ	3.0	1.9	2.5	0.98 U	0.98 U	0.98 U	0.91 J	0.98 U	0.98 U	0.98 U
Trimethylbenzene, 1,3,5-	1	3.9 U	4 U	0.98	0.59 J	0.79 J	0.98 U	0.98 U	0.49 J	0.29 J	0.98 U	0.98 U	0.98 U
Trimethylpentane, 2,2,4-	2	3.7 U	3.8 U	4.9 J	4.5 J	4.8 J	0.23 J	1.4 J	1.3	1.0	0.93 U	0.37 J	0.93 U
Undecane, n-	2.3	NA	NA	0.57 J	1.3 U	1.1 J	6.4 UJ	0.45 J	0.89 J	0.46 J	0.45 J	0.32 J	0.54 J
Vinyl bromide	NE	NA	NA	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl chloride	<0.25	2 U	2.1 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U

Table 6-2
Analytical Ambient Air Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	NYSDOH Background Outdoor Air 95th Percentile ¹	OU2AA01 3/31/2009	OU2AA01 6/17/2009	OU2AA-01 9/23/2009	OU2AA02 5/5/2005	OU2AA02 8/30/2005	OU2AA02 2/1/2006	OU2AA02 6/14/2006	OU2AA02 9/7/2006	OU2AA02 2/22/2007	OU2AA02 5/24/2007	OU2AA02 9/18/2007	OU2AA02 12/18/2007
BTEX (ug/m3)													
Benzene	5.8	0.89	1.0 U	1.0 U	2.4 U	2.5 U	2.4 U	2.5 U	2.4 U	5.6 J	0.73	0.64 U	1.2
Toluene	21	1.0	3.6	4.0	2.8 U	2.9 U	2.9 U	3.1	2.8 U	19 J	4.5	0.90	11
Ethylbenzene	1.9	0.87 U	0.58 J	0.48 J	3.2 U	3.4 U	3.3 U	3.4 U	3.2 U	2.8 J	0.87 U	0.87 U	0.65 J
Xylene, m,p-	3.1	1.7 U	1.3 J	1.6 J	3.2 U	3.4 U	3.3 U	3.4 U	3.2 U	8.2 J	0.59 J	0.22 J	1.6 J
Xylene, o-	2.5	0.87 U	0.62 J	0.65 J	3.2 U	3.4 U	3.3 U	3.4 U	3.2 U	2.7 U	0.87 U	0.87 U	0.52 J
Other VOCs (ug/m3)													
Acetaldehyde	NE	5.2 U	8.4 U	12	NA	NA	NA	NA	NA	2.6 UJ	17 UJ	5.4	1.8 U
Acetone	58	3.8 U	7.2 U	7.5 UJ	33.3	33.3	7.1 U	20	18.1	14 U	30 J	22	14
Acrolein (propenal)	NE	0.46 U	0.47 J	1.2 U	NA	NA	NA	NA	NA	0.46 U	0.28 J	0.46 U	1.2
Allyl chloride	NE	0.63 U	0.63 U	0.63 U	9.4 U	9.7 U	9.4 U	10 U	9.4 U	0.63 U	0.63 U	0.63 U	0.63 U
Benzo thiophene	NE	14 UJ	1.1 U	1.1 U	NA	NA	NA	NA	NA	5.5 UJ	2.7 U	14 U	1.1 U
Bromodichloromethane	NE	1.3 U	1.3 U	1.3 U	5 U	5.2 U	5.1 U	5.3 U	5 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	NE	2.1 U	2.1 U	2.1 U	7.6 U	8.1 U	7.9 U	8.2 U	7.6 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	0.9	0.78 U	0.78 U	0.78 U	2.9 U	3 U	3 U	3.1 U	2.9 U	0.78 U	0.78 U	0.78 U	0.78 U
Butadiene, 1,3-	NE	0.44 U	0.44 U	0.44 U	1.6 U	1.7 U	1.7 U	1.7 U	1.6 U	0.77 U	0.44 U	0.44 U	0.44 U
Butane	NE	0.93	1.7	1.4	NA	NA	NA	NA	NA	15 J	1.2	0.48 U	4.2
Butanone, 2-	17	0.74	0.85	1.0	6.2	2.3 U	2.2 U	7.1	5	2.1 J	1.5	0.50 J	2.1
Carbon disulfide	NE	0.62 U	0.28 J	0.62 U	2.3 U	2.4 U	2.4 U	14.6	2.8	0.62 U	0.62 U	0.62 U	0.25 J
Carbon tetrachloride	1	0.38 J	0.55 J	0.69 J	4.7 U	4.9 U	4.8 U	5 U	4.7 U	1.3 U	1.3 UJ	0.50 J	0.57 J
Chlorobenzene	<0.25	0.92 U	0.92 U	0.92 U	3.4 U	3.6 U	3.5 U	3.6 U	3.4 U	0.92 U	0.92 U	0.92 U	0.92 U
Chloroethane	0.4	0.53 U	0.53 U	0.53 U	2 U	2.1 U	2 U	2.1 U	2 U	0.53 U	0.53 U	0.53 U	0.53 U
Chloroform	0.5	0.98 U	0.35 J	0.39 J	3.6 U	3.8 U	3.7 U	3.9 U	3.6 U	0.98 U	0.98 U	0.98 U	0.98 U
Chloromethane	4.6	1.0	1.1	0.87 U	6.2 U	6.4 U	6.2 U	6.6 U	6.2 U	1.0 U	1.2	1.0	1.1
Chlorotoluene, 2-	NE	1.0 U	1.0 U	1.0 U	NA	NA	NA	NA	NA	1.0 U	1 U	1.0 U	1.0 U
Cryofluorane	1.3	1.4 U	1.4 U	1.4 U	5.2 U	5.5 U	5.3 U	5.5 U	5.2 U	1.4 U	1.4 U	1.4 U	1.4 U
Cyclohexane	3	0.69 U	0.69 U	0.24 J	2.5 U	2.7 U	2.6 U	2.7 U	2.5 U	1.3 J	0.69 U	0.69 U	0.58 J
Decane, n-	3.6	1.2 U	1.2 U	1.2 U	NA	NA	NA	NA	NA	1.2 U	1.2 U	1.2 U	19
Dibromochloromethane	NE	1.7 U	1.7 U	1.7 U	6.3 U	6.6 U	6.5 U	6.7 U	6.3 U	1.7 U	1.7 U	1.7 U	1.7 U
Dibromoethane, 1,2-	<0.25	1.5 U	1.5 U	1.5 U	5.7 U	6 U	5.8 U	6.1 U	5.7 U	1.5 U	1.5 U	1.5 U	1.5 U
Dichlorobenzene, 1,2-	0.9	1.2 U	1.2 U	1.2 U	4.4 U	4.7 U	4.6 U	4.7 U	4.4 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,3-	0.7	1.2 U	1.2 U	1.2 U	4.4 U	4.7 U	4.6 U	4.7 U	4.4 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,4-	0.8	1.2 U	1.2 U	1.2 U	4.4 U	4.7 U	4.6 U	4.7 U	4.4 U	0.60 J	1.2 U	1.2 U	1.2 U
Dichlorodifluoromethane	11	2.6	2.5	2.3	3.7 U	3.9 U	3.8 U	3.9 U	3.7 U	2.7 U	2.6	2.6	2.5
Dichloroethane, 1,1-	<0.25	0.81 U	0.81 U	0.81 U	3 U	3.2 U	3.1 U	3.2 U	3 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethane, 1,2-	<0.25	0.81 U	0.81 U	0.81 U	3 U	3.2 U	3.1 U	3.2 U	3 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethene, 1,1-	<0.25	0.79 U	0.79 U	0.79 U	2.9 U	3.1 U	3 U	3.1 U	2.9 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloroethene, cis-1,2-	<0.25	0.79 U	0.79 U	0.79 U	2.9 U	3.1 U	3 U	3.1 U	2.9 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloropropane, 1,2-	<0.25	0.92 U	0.92 U	0.92 U	3.4 U	3.6 U	3.5 U	3.7 U	3.4 U	0.92 U	0.92 U	0.92 U	0.92 U
Dichloropropene, cis-1,3	<0.25	0.91 U	0.91 U	0.91 U	3.4 U	3.5 U	3.4 U	3.6 U	3.4 U	0.91 U	0.91 U	0.91 U	0.91 U
Dichloropropene, trans-1,3	<0.25	0.91 U	0.91 U	0.91 U	3.4 U	3.5 U	3.4 U	3.6 U	3.4 U	0.91 U	0.91 U	0.91 U	0.91 U
Dioxane, 1,4-	NE	0.72 U	0.72 UJ	0.72 U	10.8 U	11.2 U	10.8 U	11.5 U	10.8 U	1.8 U	0.72 U	0.72 UJ	1.8 U
Dodecane, n-	7.6	1.4 U	1.4 U	1.4 UJ	NA	NA	NA	NA	NA	1.4 U	1.4 U	1.4 U	51
Ethanol	220	12	13	3.1 U	8.9	5.8 U	5.7 U	6 U	7.2	20 U	1 J	1.9	17
Ethylthiophene, 2-	NE	0.92 U	0.92 U	0.92 U	NA	NA	NA	NA	NA	0.92 U	0.92 U	0.92 U	0.92 U

Table 6-2
Analytical Ambient Air Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	NYSDOH Outdoor Air 95th Percentile ¹	OU2AA01	OU2AA01	OU2AA-01	OU2AA02	OU2AA02	OU2AA02	OU2AA02	OU2AA02	OU2AA02	OU2AA02	OU2AA02	OU2AA02
		3/31/2009	6/17/2009	9/23/2009	5/5/2005	8/30/2005	2/1/2006	6/14/2006	9/7/2006	2/22/2007	5/24/2007	9/18/2007	12/18/2007
Ethyltoluene, p-	NE	0.98 U	0.98 U	0.98 U	3.6 U	3.8 U	3.7 U	3.9 U	3.6 U	0.98 U	0.98 U	0.98 U	0.98 U
Heptane, n-	5.1	0.82 U	0.33 J	0.53 J	3 U	3.2 U	3.1 U	3.2 U	3 U	3.0 J	0.82 U	0.82 U	1.1
Hexachlorobutadiene	7	2.1 U	2.1 U	2.1 U	32 U	33.1 U	32 U	34.1 U	32 UJ	2.1 UJ	2.1 U	2.1 U	2.1 U
Hexane, n-	3.6	0.21 J	0.89	1.1	2.6 U	2.7 U	2.7 U	2.8 U	2.6 U	6.2 J	0.43 J	0.70 U	0.95
Hexanone, 2-	NE	0.82 U	0.82 U	0.82 U	12.3 U	12.7 U	12.3 U	13.1 U	12.3 U	2.0 U	0.82 U	0.82 U	0.82 U
Indan	NE	0.97 U	0.97 U	0.97 U	NA	NA	NA	NA	14.5 U	0.97 U	0.97 U	0.97 U	0.97 U
Indene	NE	0.95 U	0.95 U	0.95 U	NA	NA	NA	NA	14.3 U	0.95 U	0.95 U	0.95 U	0.95 U
Isopropyl benzene	0.4	NA	NA	NA	3.6 U	3.8 U	3.7 U	3.9 U	3.6 U	NA	NA	NA	NA
Methyl tert-butyl ether	5.9	0.72 U	0.72 U	0.72 U	2.7 U	2.8 U	2.7 U	2.8 U	2.7 U	0.72 U	0.72 U	0.72 U	0.72 U
Methyl-2-pentanone, 4-	2.9	0.82 U	0.82 U	0.82 U	3 U	3.2 U	3.1 U	3.2 U	3 U	0.82 U	0.82 U	0.82 U	0.82 U
Methylene chloride	2.9	1.7 U	1.7 U	1.7 U	2.6 U	2.7 U	2.6 U	2.7 U	2.6 U	3.8 U	0.57 J	2.5 U	1.2 U
Methylnaphthalene, 1-	NE	5.8 U	1.2 U	1.2 UJ	NA	NA	NA	NA	NA	14 U	14 U	5.8 U	14 UJ
Methylnaphthalene, 2-	NE	5.8 U	1.2 U	1.2 U	NA	NA	NA	NA	NA	14 U	5.8 U	14 U	14 U
Methylthiophene, 2-	NE	0.80 U	0.80 U	0.80 U	NA	NA	NA	NA	NA	0.80 U	0.8 U	0.80 U	0.80 U
Methylthiophene, 3-	NE	0.80 U	0.80 U	0.80 U	NA	NA	NA	NA	NA	0.80 U	0.8 U	0.80 U	0.80 U
Naphthalene	10	1.0 U	1.0 U	1.0 U	15.7 UJ	16.3 U	15.7 U	16.8 UJ	15.7 U	0.31 J	1 U	1.0 U	1.0 U
Nonane	1.2	1.0 U	1.0 U	1.0 U	NA	NA	NA	NA	NA	1.2 J	1 U	1.0 U	0.47 J
Octane, n-	2.1	0.93 U	0.93 U	0.23 J	NA	NA	NA	NA	NA	1.2 J	0.93 U	0.93 U	0.93 U
Pentane	NE	0.47 J	1.6	1.4	NA	NA	NA	NA	NA	7.2 J	0.62	0.21 J	6.2
Propanol, 2-	NE	1.0 U	1.7 U	0.98 J	7.4 U	7.6 U	7.4 U	7.9 U	7.4 U	3.8 J	0.62 J	5.6	4.2 J
Propylbenzene, n-	0.5	NA	NA	NA	3.6 U	3.8 U	3.7 U	3.9 U	3.6 U	NA	NA	NA	NA
Styrene	0.6	0.85 U	0.85 U	0.85 U	3.2 U	3.3 U	3.2 U	3.4 U	3.2 U	0.85 U	0.85 U	0.85 U	0.38 J
t-Butyl alcohol	NE	0.61 U	0.61 U	0.61 U	NA	NA	NA	NA	NA	0.61 U	0.61 U	0.61 U	0.61 U
Tetrachloroethane, 1,1,2,2-	<0.25	1.4 U	1.4 U	1.4 U	5.1 U	5.4 U	5.2 U	5.4 U	5.1 U	1.4 U	1.4 U	1.4 U	1.4 U
Tetrachloroethene	1.6	1.4 U	1.4 U	1.4 U	5 U	5.3 U	5.2 U	5.4 U	5 U	1.5 J	1.4 U	1.4 U	0.41 J
Tetrahydrofuran	0.4	NA	NA	NA	2.2 U	2.3 U	2.2 U	2.3 U	2.2 U	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	5.5 U	1.1 U	1.1 U	NA	NA	NA	NA	NA	1.1 U	5.5 U	14 U	1.1 U
Thiophene	NE	0.69 U	0.69 U	0.69 U	NA	NA	NA	NA	NA	0.69 U	0.69 U	0.69 UJ	0.69 U
Trans-1,2-dichloroethene	NE	0.79 U	0.79 U	0.79 U	2.9 U	3.1 U	3 U	3.1 U	2.9 U	0.79 U	0.79 U	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	0.54 J	1.5 U	0.61 J	5.7 U	6 U	5.8 U	6.1 U	5.7 U	1.5 U	1.5 U	0.69 J	0.54 J
Trichlorobenzene, 1,2,4-	4.8	1.5 U	1.5 U	1.5 U	22.3 U	23 U	22.3 U	23.7 U	22.3 UJ	1.5 UJ	1.5 U	1.5 U	1.5 U
Trichloroethane, 1,1,1-	0.7	1.1 U	1.1 U	1.1 U	4 U	4.3 U	4.1 U	4.3 U	4 U	1.1 U	1.1 UJ	1.1 U	1.1 U
Trichloroethane, 1,1,2-	<0.25	1.1 U	1.1 U	1.1 U	4 U	4.3 U	4.1 U	4.3 U	4 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethene	0.5	1.1 U	1.1 U	1.1 U	4 U	4.2 U	4.1 U	4.2 U	4 U	1.2 J	1.1 U	1.1 U	0.59 J
Trichlorofluoromethane	6.1	1.4	1.8	1.8 J	4.2 U	4.4 U	4.3 U	4.4 U	4.2 U	1.8 J	1.4	1.5	1.2
Trimethylbenzene, 1,2,3-	0.6	0.98 U	0.98 U	0.98 U	NA	NA	NA	NA	NA	1.2 J	0.98 U	0.98 U	0.98 U
Trimethylbenzene, 1,2,4-	2.5	0.98 U	0.41 J	0.44 J	3.6 U	3.8 U	3.7 U	3.9 U	3.6 UJ	2.8 U	0.98 U	0.98 U	0.59 J
Trimethylbenzene, 1,3,5-	1	0.98 U	0.98 U	0.98 U	3.6 U	3.8 U	3.7 U	3.9 U	3.6 U	0.98 U	0.98 U	0.98 U	0.98 U
Trimethylpentane, 2,2,4-	2	0.93 U	0.79 J	0.98	3.5 U	3.6 U	3.6 U	3.7 U	3.5 U	5.2 J	1.2	0.93 U	0.70 J
Undecane, n-	2.3	1.3 U	1.3 U	1.3 U	NA	NA	NA	NA	NA	1.3 U	1.3 U	1.3 U	67
Vinyl bromide	NE	0.87 U	0.87 U	0.87 U	NA	NA	NA	NA	NA	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl chloride	<0.25	0.51 U	0.51 U	0.51 U	1.9 U	2 U	1.9 U	2 U	1.9 U	0.51 U	0.51 U	0.51 U	0.51 U

Table 6-2
Analytical Ambient Air Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	NYSDOH Background Outdoor Air 95th Percentile ¹	OU2AA02 3/26/2008	OU2AA02 6/23/2008	OU2AA02 9/24/2008	OU2AA02 12/29/2008	OU2AA02 3/23/2009	OU2AA02 6/17/2009	OU2AA-02 9/22/2009	OU2AA03 5/25/2005	OU2AA03 8/31/2005	OU2AA03 2/2/2006	OU2AA03 6/15/2006	OU2AA03 9/8/2006
BTEX (ug/m3)													
Benzene	5.8	0.64 J	0.96	0.29 J	0.60 J	0.38 J	0.64 U	0.64 U	2.2 U	2.4 U	2.3 U	2.4 U	2.5 U
Toluene	21	0.88	1.0	1.5	0.67 J	0.53 J	0.52 J	0.23 J	2.6 U	2.8 U	3.2	4.1	7.2
Ethylbenzene	1.9	0.24 J	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	3 U	3.2 U	3.1 U	3.3 U	3.4 U
Xylene, m,p-	3.1	0.57 J	0.56 J	0.56 J	0.33 J	1.7 U	1.7 U	1.7 U	3 U	3.2 U	3.1 U	3.3 U	3.4 U
Xylene, o-	2.5	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	3 U	3.2 U	3.1 U	3.3 U	3.4 U
Other VOCs (ug/m3)													
Acetaldehyde	NE	3.8 J	39	13	19 J	6.9 U	9.2 U	16	NA	NA	NA	NA	NA
Acetone	58	10 J	11	8.2 J	5.8 J	4.3 U	4.0 U	5.8 UJ	19.2	7.4	10.5	13.8	18.1
Acrolein (propenal)	NE	1.2 U	0.48	0.46 U	0.46 U	0.46 U	1.2 U	1.2 U	NA	NA	NA	NA	NA
Allyl chloride	NE	0.63 U	0.63 UJ	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	8.8 U	9.4 U	9.1 U	9.4 U	9.7 U
Benzothiophene	NE	1.1 UJ	1.1 U	1.1 U	1.1 UJ	1.1 UJ	1.1 U	1.1 U	NA	NA	NA	NA	NA
Bromodichloromethane	NE	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	4.7 U	5 U	4.8 U	5.1 U	5.2 U
Bromoform	NE	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	7.2 U	7.6 U	7.4 U	7.9 U	8.1 U
Bromomethane	0.9	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	2.7 U	2.9 U	2.8 U	3 U	3 U
Butadiene, 1,3-	NE	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	1.5 U	1.6 U	1.6 U	1.7 U	1.7 U
Butane	NE	2.5	0.36 J	0.64	3.0	0.76	0.23 J	0.48 U	NA	NA	NA	NA	NA
Butanone, 2-	17	0.88 J	1.2	0.65	0.77	0.65	0.59 U	0.68	2.8	2.2 U	3.5 J	4.4	3.8
Carbon disulfide	NE	0.62 U	0.59 J	0.62 U	0.19 J	0.62 U	0.62 U	0.62 U	2.2 U	2.6	6.2	2.4 U	2.8
Carbon tetrachloride	1	0.52 J	1.3 U	0.44 J	0.60 J	0.38 J	0.45 J	0.69 J	4.4 U	4.7 U	4.5 U	4.8 U	4.9 U
Chlorobenzene	<0.25	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	3.2 U	3.4 U	3.3 U	3.5 U	3.6 U
Chloroethane	0.4	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	1.8 U	2 U	1.9 U	2 U	2.1 U
Chloroform	0.5	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	3.4 U	3.6 U	3.5 U	3.7 U	3.8 U
Chloromethane	4.6	1.0	1.3	0.95	1.3	1.1	1.2	0.95	5.8 U	6.2 U	6 U	6.2 U	6.4 U
Chlorotoluene, 2-	NE	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NA	NA	NA	NA	NA
Cryofluorane	1.3	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	4.9 U	5.2 U	5 U	5.3 U	5.5 U
Cyclohexane	3	0.69 U	0.69 U	0.69 U	0.18 J	0.69 U	0.69 U	0.69 U	2.4 U	2.5 U	2.5 U	2.6 U	2.7 U
Decane, n-	3.6	1.2 UJ	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	NA	NA	NA	NA	NA
Dibromochloromethane	NE	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	6 U	6.3 U	6.1 U	6.5 U	6.6 U
Dibromoethane, 1,2-	<0.25	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	5.4 U	5.7 U	5.5 U	5.8 U	6 U
Dichlorobenzene, 1,2-	0.9	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	4.2 U	4.4 U	4.3 U	4.6 U	4.7 U
Dichlorobenzene, 1,3-	0.7	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	4.2 U	4.4 U	4.3 U	4.6 U	4.7 U
Dichlorobenzene, 1,4-	0.8	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	4.2 U	4.4 U	4.3 U	4.6 U	4.7 U
Dichlorodifluoromethane	11	2.0	2.4	2.6	2.5	2.5	2.5	2.6	3.5 U	3.7 U	3.6 U	3.8 U	3.9 U
Dichloroethane, 1,1-	<0.25	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	2.8 U	3 U	2.9 U	3.1 U	3.2 U
Dichloroethane, 1,2-	<0.25	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	2.8 U	3 U	2.9 U	3.1 U	3.2 U
Dichloroethene, 1,1-	<0.25	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	2.8 U	2.9 U	2.9 U	3 U	3.1 U
Dichloroethene, cis-1,2-	<0.25	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	2.8 U	2.9 U	2.9 U	3 U	3.1 U
Dichloropropane, 1,2-	<0.25	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	3.2 U	3.4 U	3.3 U	3.5 U	3.6 U
Dichloropropene, cis-1,3	<0.25	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	3.2 U	3.4 U	3.3 U	3.4 U	3.5 U
Dichloropropene, trans-1,3	<0.25	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	3.2 U	3.4 U	3.3 U	3.4 U	3.5 U
Dioxane, 1,4-	NE	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 UJ	0.72 U	10.1 U	10.8 U	10.5 U	10.8 U	11.2 U
Dodecane, n-	7.6	1.4 U	0.56 J	1.8	1.4 UJ	1.4 U	1.4 U	1.4 UJ	NA	NA	NA	NA	NA
Ethanol	220	4.1 J	5.0	2.9	3.8	7.7	2.0 U	1.9 U	5.3 U	5.7 U	5.5 U	5.7 U	30.1
Ethylthiophene, 2-	NE	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	NA	NA	NA	NA	NA

Table 6-2
Analytical Ambient Air Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	NYSDOH Background Outdoor Air 95th Percentile ¹	OU2AA02	OU2AA02	OU2AA02	OU2AA02	OU2AA02	OU2AA02	OU2AA02	OU2AA-02	OU2AA03	OU2AA03	OU2AA03	OU2AA03	
		3/26/2008	6/23/2008	9/24/2008	12/29/2008	3/23/2009	6/17/2009	9/22/2009	5/25/2005	8/31/2005	2/2/2006	6/15/2006	9/8/2006	
Ethyltoluene, p-	NE	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	3.4 U	3.6 U	3.5 U	3.7 U	3.8 U
Heptane, n-	5.1	0.32 J	0.82 UJ	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	2.9 U	3 U	3 U	3.1 U	3.2 U
Hexachlorobutadiene	7	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	29.9 U	32 U	30.9 U	32 U	33.1 U
Hexane, n-	3.6	0.43 J	0.21 J	0.28 J	0.56 J	0.70 U	0.70 U	0.70 U	0.70 U	2.5 U	2.6 U	2.5 U	2.7 U	2.7 U
Hexanone, 2-	NE	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	11.5 U	12.3 U	11.9 U	12.3 U	12.7 U
Indan	NE	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	NA	NA	NA	NA	15 U
Indene	NE	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	NA	NA	NA	NA	14.7 U
Isopropyl benzene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	3.4 U	3.6 U	3.5 U	3.7 U	3.8 U
Methyl tert-butyl ether	5.9	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	2.5 U	2.7 U	2.6 U	2.7 U	2.8 U
Methyl-2-pentanone, 4-	2.9	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	2.9 U	3 U	2.9 U	3.1 U	3.2 U
Methylene chloride	2.9	1.7 U	1.7 U	0.83 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	2.4 U	2.6 U	2.5 U	2.6 U	3
Methylnaphthalene, 1-	NE	1.2 U	2.9 UJ	1.2 U	R	5.8 U	1.2 U	1.2 UJ	1.2 UJ	NA	NA	NA	NA	NA
Methylnaphthalene, 2-	NE	1.2 U	2.9 UJ	1.2 U	14 UJ	5.8 U	1.2 U	1.2 U	1.2 U	NA	NA	NA	NA	NA
Methylthiophene, 2-	NE	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	NA	NA	NA	NA	NA
Methylthiophene, 3-	NE	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	NA	NA	NA	NA	NA
Naphthalene	10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	14.7 U	15.7 U	15.2 U	15.7 UJ	16.3 U
Nonane	1.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NA	NA	NA	NA	NA
Octane, n-	2.1	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	NA	NA	NA	NA	NA
Pentane	NE	0.94 J	0.44 J	0.47 J	1.6	0.35 J	0.59 U	0.59 U	0.59 U	NA	NA	NA	NA	NA
Propanol, 2-	NE	1.2 U	1.2 UJ	0.49 U	0.53 UJ	0.49 U	1.2 U	0.69 J	6.9 U	7.4 U	7.1 U	7.4 U	7.4 U	7.6 U
Propylbenzene, n-	0.5	NA	NA	NA	NA	NA	NA	NA	3.4 U	3.6 U	3.5 U	3.7 U	3.7 U	3.8 U
Styrene	0.6	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	3 U	3.2 U	3.1 U	3.2 U	3.2 U	3.3 U
t-Butyl alcohol	NE	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	NA	NA	NA	NA	NA
Tetrachloroethane, 1,1,2,2-	<0.25	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	4.8 U	5.1 U	4.9 U	5.2 U	5.4 U
Tetrachloroethene	1.6	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	4.7 U	5 U	4.9 U	5.2 U	5.3 U
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.2 U	2.1 J	2.2 U	2.2 U	2.3 U
Tetramethylbenzene, 1,2,4,5-	NE	1.1 U	1.1 U	1.1 U	1.1 U	5.5 U	1.1 U	1.1 U	1.1 U	NA	NA	NA	NA	NA
Thiophene	NE	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	NA	NA	NA	NA	NA
Trans-1,2-dichloroethene	NE	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	2.8 U	2.9 U	2.9 U	3 U	3.1 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	0.53 J	0.46 J	0.54 J	0.80 J	0.54 J	1.5 U	0.77 J	5.4 U	5.7 U	5.5 U	5.8 U	5.8 U	6 U
Trichlorobenzene, 1,2,4-	4.8	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	20.8 U	22.3 U	21.5 U	22.3 U	22.3 U	23 U
Trichloroethane, 1,1,1-	0.7	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	3.8 U	4 U	3.9 U	4.1 U	4.3 U
Trichloroethane, 1,1,2-	<0.25	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	3.8 U	4 U	3.9 U	4.1 U	4.3 U
Trichloroethene	0.5	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	3.8 U	4 U	3.9 U	4.1 U	4.2 U
Trichlorofluoromethane	6.1	1.0 J	1.2	1.4	1.6	1.2	1.5	1.5 J	3.9 U	4.2 U	4 U	4.3 U	4.3 U	4.4 U
Trimethylbenzene, 1,2,3-	0.6	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	NA	NA	NA	NA	NA
Trimethylbenzene, 1,2,4-	2.5	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	3.4 U	3.6 U	3.6	3.7 U	3.8 U
Trimethylbenzene, 1,3,5-	1	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	3.4 U	3.6 U	3.5 UJ	3.7 U	3.8 U
Trimethylpentane, 2,2,4-	2	0.93 U	0.93 U	0.37 J	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	3.3 U	3.5 U	3.4 U	3.6 U	3.6 U
Undecane, n-	2.3	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	NA	NA	NA	NA	NA
Vinyl bromide	NE	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	NA	NA	NA	NA	NA
Vinyl chloride	<0.25	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	1.8 U	1.9 U	1.8 U	1.9 U	2 U

Table 6-2
Analytical Ambient Air Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	NYSDOH Background Outdoor Air 95th Percentile ¹	OU2AA03 2/21/2007	OU2AA03 6/14/2007	OU2AA03 9/12/2007	OU2AA03 12/19/2007	OU2AA03 3/27/2008	OU2AA03 6/18/2008	OU2AA03 9/16/2008	OU2AA03 12/23/2008	OU2AA03 3/12/2009	OU2AA03 6/8/2009	OU2AA-03 9/21/2009	OU2AA04 2/21/2007
BTEX (ug/m3)													
Benzene	5.8	0.64 U	0.28 J	0.80 U	3.0	2.1	0.64 UJ	0.26 J	1.1	0.44 J	0.72	0.86 U	0.70 U
Toluene	21	1.2 U	0.44 J	2.2	8.9	6.7	0.75 U	1.4 J	2.1	0.43 J	1.3	2.4	1.1 U
Ethylbenzene	1.9	0.87 U	0.35 J	0.87 J	1.8	0.82 J	0.87 U	0.87 U	0.32 J	0.87 U	0.87 U	0.43 J	0.87 U
Xylene, m,p-	3.1	1.7 U	0.3 J	0.87 J	5.7	2.1	1.7 U	0.56 J	0.92 J	1.7 U	1.7 U	1.0 J	1.7 U
Xylene, o-	2.5	0.87 U	0.87 U	0.35 J	2.0	0.89	0.87 U	0.22 J	0.25 J	0.87 U	0.87 U	0.39 J	0.87 U
Other VOCs (ug/m3)													
Acetaldehyde	NE	0.41 UJ	16 J	6.5	1.8 U	12 J	0.86 J	39 J	13 J	4.9 U	27	9.4 J	0.58 UJ
Acetone	58	6.2 U	25	12	13	14 J	1.2 U	7.6 J	5.6 U	4.9 U	10 U	9.0 UJ	6.4 U
Acrolein (propenal)	NE	0.46 U	0.46 U	0.46 U	0.46 U	0.49 J	0.46 U	0.46 U	0.43 J	0.46 U	0.70 J	1.2 U	0.46 U
Allyl chloride	NE	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
Benzo thiophene	NE	5.5 UJ	2.7 UJ	14 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 UJ	1.1 U	1.1 U	1.1 U	5.5 UJ
Bromodichloromethane	NE	1.3 U	1.3 UJ	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	NE	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 UJ	2.1 U	2.1 U
Bromomethane	0.9	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
Butadiene, 1,3-	NE	0.44 U	0.44 U	0.44 U	0.44 U	0.15 J	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Butane	NE	2.0 U	0.48 U	0.59	8.4	4.8	0.48 U	0.40 J	2.4	0.83	0.89	2.2	2.8 U
Butanone, 2-	17	1.5 U	0.59 U	0.71	1.0	1.7	0.59 U	1.0 J	0.58 J	0.55 J	1.8	1.1	1.5 U
Carbon disulfide	NE	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.16 J	0.39 J	0.62 U	0.24 J	0.19 J	0.62 U
Carbon tetrachloride	1	0.50 J	0.75 J	0.57 J	0.50 J	0.61 J	1.3 U	0.50 J	0.67 J	0.43 J	0.50 J	0.69 J	0.44 J
Chlorobenzene	<0.25	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Chloroethane	0.4	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U
Chloroform	0.5	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Chloromethane	4.6	0.95 U	1	1.0	1.1	1.0	0.41 U	1.1 J	1.4	1.1	1.4	0.99	1.0 U
Chlorotoluene, 2-	NE	1.0 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Cryofluorane	1.3	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Cyclohexane	3	0.69 U	0.69 U	0.69 U	0.86	0.89	0.69 U	0.69 U	0.3 J	0.69 U	0.69 U	0.24 J	0.69 U
Decane, n-	3.6	1.2 U	1.2 U	1.2 U	0.70 J	0.49 J	1.2 U	1.0 J	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dibromochloromethane	NE	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dibromoethane, 1,2-	<0.25	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Dichlorobenzene, 1,2-	0.9	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,3-	0.7	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,4-	0.8	1.2 UJ	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 UJ
Dichlorodifluoromethane	11	2.3 U	3.1	2.4	2.6	2.6	0.99 U	3.2 J	2.7	2.0	2.6	2.6	2.5 U
Dichloroethane, 1,1-	<0.25	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethane, 1,2-	<0.25	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethene, 1,1-	<0.25	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloroethene, cis-1,2-	<0.25	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloropropane, 1,2-	<0.25	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Dichloropropene, cis-1,3	<0.25	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dichloropropene, trans-1,3	<0.25	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dioxane, 1,4-	NE	1.8 U	1.8 U	0.72 UJ	1.8 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 UJ	0.72 U	1.8 U
Dodecane, n-	7.6	1.4 U	1.4 U	1.4 U	1.4 U	0.66 J	1.4 U	3.4 J	0.59 J	1.4 UJ	1.4 U	1.4 U	1.4 U
Ethanol	220	3.5 U	3.4 J	5.2	19	21	1.9 U	5.4 J	7.2	3.0	8.2	5.0	3.9 U
Ethylthiophene, 2-	NE	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U

Table 6-2
Analytical Ambient Air Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	NYSDOH Background Outdoor Air 95th Percentile ¹	OU2AA03 2/21/2007	OU2AA03 6/14/2007	OU2AA03 9/12/2007	OU2AA03 12/19/2007	OU2AA03 3/27/2008	OU2AA03 6/18/2008	OU2AA03 9/16/2008	OU2AA03 12/23/2008	OU2AA03 3/12/2009	OU2AA03 6/8/2009	OU2AA-03 9/21/2009	OU2AA04 2/21/2007
Ethyltoluene, p-	NE	0.98 U	0.98 U	0.98 U	0.59 J	0.26 J	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Heptane, n-	5.1	0.82 U	0.82 U	0.45 J	1.9	1.0	0.82 U	0.82 U	0.82 U	0.82 UJ	0.82 U	0.53 J	0.82 U
Hexachlorobutadiene	7	2.1 UJ	2.1 UJ	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 UJ	2.1 UJ
Hexane, n-	3.6	0.70 U	0.18 J	0.74	3.2	1.8	0.70 U	0.28 J	0.67 J	0.70 U	0.31 J	1.1	0.70 U
Hexanone, 2-	NE	2.0 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	2.0 U
Indan	NE	0.97 U	0.97 U	0.97 U	0.34 J	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 UJ	0.97 U	0.97 U
Indene	NE	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 UJ	0.95 U	0.95 U
Isopropyl benzene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	5.9	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Methyl-2-pentanone, 4-	2.9	0.82 U	0.82 U	0.82 U	0.82 U	0.28 J	0.82 U	0.82 U	0.82 U	0.82 UJ	0.82 U	0.82 U	0.82 U
Methylene chloride	2.9	5.6 U	1.5	1.0 U	0.69 U	1.8	1.7 U	0.83 U	1.7 U	1.7 U	0.60 J	0.90 J	6.1 U
Methylnaphthalene, 1-	NE	14 U	29 U	5.8 U	14 UJ	1.2 U	2.9 U	1.2 U	R	1.2 U	1.2 U	1.2 U	14 U
Methylnaphthalene, 2-	NE	14 U	5.8 U	14 U	14 U	1.2 U	2.9 UJ	1.2 U	14 UJ	1.2 U	1.2 U	1.2 U	14 U
Methylthiophene, 2-	NE	0.80 U	0.8 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.8 U	0.80 U	0.80 U	0.80 U	0.80 U
Methylthiophene, 3-	NE	0.80 U	0.8 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.8 U	0.80 U	0.80 U	0.80 U	0.80 U
Naphthalene	10	2.6 U	5.2 UJ	1.0 U	0.37 J	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	0.26 J	2.6 U
Nonane	1.2	1.0 U	1 U	1.0 U	0.68 J	0.39 J	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Octane, n-	2.1	0.93 U	0.93 U	0.93 U	0.65 J	0.35 J	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U
Pentane	NE	0.59 U	0.59 U	0.74	6.5	2.8	0.59 U	0.50 J	1.4	0.36 J	0.81	2.0	0.77 U
Propanol, 2-	NE	0.49 U	0.49 U	3.8	1.1 J	3.0	1.2 UJ	0.49 U	1.1	1.2 U	1.2 U	1.4 U	0.49 U
Propylbenzene, n-	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.6	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U
t-Butyl alcohol	NE	0.61 U	0.61 U	0.61 U	0.61 U	0.31 J	0.61 U	0.61 U	0.61 U	1.5 U	0.61 U	0.61 U	0.61 U
Tetrachloroethane, 1,1,2,2-	<0.25	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Tetrachloroethene	1.6	1.4 U	1.4 U	1.4 U	0.41 J	1.4	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.41 J	1.4 U
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	1.1 U	1.1 U	14 U	0.44 J	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 UJ	1.1 U
Thiophene	NE	0.69 U	0.69 U	0.69 UJ	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Trans-1,2-dichloroethene	NE	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	1.5 U	1.5 U	0.61 J	0.54 J	1.5 U	1.5 U	1.2 J	0.64 J	0.48 J	0.72 J	0.69 J	1.5 U
Trichlorobenzene, 1,2,4-	4.8	1.5 UJ	3.7 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 UJ
Trichloroethane, 1,1,1-	0.7	1.1 U	1.1 UJ	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethane, 1,1,2-	<0.25	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethene	0.5	1.1 U	1.1 U	1.1 U	1.1 U	1.3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichlorofluoromethane	6.1	1.4 U	1.5 J	1.4	1.3	1.2	1.1 U	1.8 J	1.6	1.1 J	1.6	1.6	1.5 U
Trimethylbenzene, 1,2,3-	0.6	0.98 U	0.98 U	0.29 J	0.64 J	0.98 U	0.98 U	0.98 U	0.33 J	0.98 U	0.98 U	0.98 UJ	0.98 U
Trimethylbenzene, 1,2,4-	2.5	0.98 U	0.98 U	0.98 U	2.1	0.66 J	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.29 J	0.98 U
Trimethylbenzene, 1,3,5-	1	0.98 U	0.98 U	0.98 U	0.59 J	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Trimethylpentane, 2,2,4-	2	0.93 U	0.93 U	0.56 J	2.0	0.81 J	0.93 U	0.37 J	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U
Undecane, n-	2.3	1.3 U	6.4 UJ	1.3 U	0.38 J	0.62 J	1.3 U	5.8 J	0.54 J	1.3 U	1.3 U	1.3 U	1.3 U
Vinyl bromide	NE	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl chloride	<0.25	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U

Table 6-2
Analytical Ambient Air Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	NYSDOH Outdoor Air 95th Percentile ¹	OU2AA04 9/18/2007	OU2AA04 12/19/2007	OU2AA04 3/27/2008	OU2AA04 6/19/2008	OU2AA04 9/23/2008	OU2AA04 12/30/2008	OU2AA04 3/25/2009	OU2AA04 6/16/2009	OU2AA-04 9/23/2009	OU2AA05 12/30/2008	OU2AA05 3/13/2009	OU2AA05 6/25/2009	OU2AA-05 9/25/2009	
BTEX (ug/m3)															
Benzene	5.8	0.64 U	1.5	2.0	0.77 J	0.35 J	0.46 J	0.61 J	0.64 U	1.2 U	0.49 J	0.52 J	0.70	0.64 U	
Toluene	21	0.68 J	2.6	4.7	1.9	1.3	0.45 J	1.1	0.61 J	3.5	0.42 J	0.25 J	2.0	0.56 J	
Ethylbenzene	1.9	0.87 U	0.39 J	0.65 J	0.30 J	0.87 U	0.87 U	0.87 U	0.87 U	0.56 J	0.87 U	0.87 U	0.39 J	0.87 U	
Xylene, m,p-	3.1	0.22 J	1.0 J	2.0	0.65 J	0.61 J	0.23 J	1.7 U	1.7 U	1.5 J	1.7 U	1.7 U	0.95 J	1.7 U	
Xylene, o-	2.5	0.87 U	0.39 J	0.65 J	0.22 J	0.87 U	0.87 U	0.87 U	0.87 U	0.65 J	0.87 U	0.87 U	0.39 J	0.87 U	
Other VOCs (ug/m3)															
Acetaldehyde	NE	15	1.8 U	13 J	43	24	6.8 J	5.6 U	7.7	9.7	6.1 J	7.2	8.4	3.8 J	
Acetone	58	9.4	8.0	10 J	11	8.6	4.1 U	4.5 U	4.2 U	7.2 UJ	4.0 U	4.5 U	6.4 U	5.7 UJ	
Acrolein (propenal)	NE	0.46 U	0.46 U	0.30 J	0.37 J	0.18 J	0.46 U	0.46 U	1.2 UJ	1.2 U	0.46 U	0.46 U	1.2 U	1.2 U	
Allyl chloride	NE	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	
Benzothiophene	NE	14 U	1.1 U	1.1 U	1.1 UJ	1.1 U	1.1 UJ	14 UJ	1.1 U	1.1 U	1.1 UJ	1.1 U	1.1 U	1.1 U	
Bromodichloromethane	NE	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	
Bromoform	NE	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	
Bromomethane	0.9	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	
Butadiene, 1,3-	NE	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.22 J	0.44 U	0.44 U	0.44 U	0.44 U	
Butane	NE	0.57	3.1	4.1	1.0	0.71	1.4	1.2	0.31 J	1.3	1.6	0.63	0.64	0.38 J	
Butanone, 2-	17	2.2	0.71	1.3 J	1.8	0.94	0.59 U	0.80	0.37 J	0.77	0.38 J	0.59 U	0.88	0.56 J	
Carbon disulfide	NE	0.62 U	0.62 U	0.62 U	0.62 U	0.19 J	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.19 J	0.62 U	
Carbon tetrachloride	1	0.63 J	0.50 J	0.55 J	0.50 J	0.50 J	0.56 J	0.44 J	0.49 J	0.63 J	0.56 J	0.62 J	0.44 J	0.63 J	
Chlorobenzene	<0.25	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	
Chloroethane	0.4	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	
Chloroform	0.5	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	
Chloromethane	4.6	1.0	0.99	1.1	1.0	0.99	1.3	1.2	1.2	1.2	1.2	0.99	1.1	0.93 U	
Chlorotoluene, 2-	NE	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
Cryofluorane	1.3	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	
Cyclohexane	3	0.69 U	0.31 J	0.40 J	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.24 J	0.69 U	0.69 U	0.69 U	0.69 U	
Decane, n-	3.6	1.2 U	1.2 U	1.2 U	1.2 U	0.58 J	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	
Dibromochloromethane	NE	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	
Dibromoethane, 1,2-	<0.25	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	
Dichlorobenzene, 1,2-	0.9	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	
Dichlorobenzene, 1,3-	0.7	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	
Dichlorobenzene, 1,4-	0.8	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	
Dichlorodifluoromethane	11	2.6	2.2	2.0	2.4	2.9	2.7	2.7	2.5	2.5	2.6	2.1	2.3	2.5	
Dichloroethane, 1,1-	<0.25	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	
Dichloroethane, 1,2-	<0.25	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	
Dichloroethene, 1,1-	<0.25	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	
Dichloroethene, cis-1,2-	<0.25	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	
Dichloropropane, 1,2-	<0.25	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	
Dichloropropene, cis-1,3	<0.25	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	
Dichloropropene, trans-1,3	<0.25	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	
Dioxane, 1,4-	NE	0.72 UJ	1.8 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 UJ	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	
Dodecane, n-	7.6	1.4 U	1.4 U	1.4 U	0.35 J	0.56 J	0.83 J	1.4 U	1.4 U	1.4 UJ	1.4 UJ	1.4 UJ	0.42 J	1.4 UJ	
Ethanol	220	9.2	5.5 U	12	8.0	5.1	2.3	3.6	2.5 U	3.2 U	2.3	8.6	4.9	4.5	
Ethylthiophene, 2-	NE	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	

Table 6-2
Analytical Ambient Air Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	NYSDOH Outdoor Air 95th Percentile ¹	OU2AA04 9/18/2007	OU2AA04 12/19/2007	OU2AA04 3/27/2008	OU2AA04 6/19/2008	OU2AA04 9/23/2008	OU2AA04 12/30/2008	OU2AA04 3/25/2009	OU2AA04 6/16/2009	OU2AA-04 9/23/2009	OU2AA05 12/30/2008	OU2AA05 3/13/2009	OU2AA05 6/25/2009	OU2AA-05 9/25/2009
Ethyltoluene, p-	NE	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Heptane, n-	5.1	0.82 U	0.57 J	1.2	0.25 J	0.33 J	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 UJ	0.82 U	0.82 U
Hexachlorobutadiene	7	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Hexane, n-	3.6	1.2	1.2	1.5	0.56 J	0.39 J	0.70 U	0.35 J	0.70 U	1.0	0.70 U	0.70 U	0.46 J	0.70 U
Hexanone, 2-	NE	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Indan	NE	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U
Indene	NE	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U
Isopropyl benzene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	5.9	0.72 U	0.72 U	0.72 U	0.72 UJ	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Methyl-2-pentanone, 4-	2.9	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 UJ	0.82 U	0.82 U
Methylene chloride	2.9	2.5 U	0.69 U	0.85 J	1.1 U	0.76 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	0.49 J	1.7 U
Methylnaphthalene, 1-	NE	5.8 U	14 UJ	1.2 U	2.9 UJ	1.2 U	R	5.8 U	1.2 U	1.2 UJ	R	1.2 U	1.2 U	1.2 UJ
Methylnaphthalene, 2-	NE	14 U	14 U	1.2 U	2.9 UJ	1.2 U	14 UJ	5.8 U	1.2 U	1.2 U	14 UJ	1.2 U	1.2 U	1.2 U
Methylthiophene, 2-	NE	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	2.0 U	0.80 U
Methylthiophene, 3-	NE	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Naphthalene	10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.26 J	1.0 U
Nonane	1.2	1.0 U	1.0 U	0.52 J	1.0 U	0.52 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Octane, n-	2.1	0.93 U	0.93 U	0.31 J	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U
Pentane	NE	0.59 U	2.3	2.3	0.88	0.71	0.65	0.74	0.29 J	1.6	0.65	0.27 J	0.77	0.59 U
Propanol, 2-	NE	0.56	0.49 U	1.9	0.84 J	0.49 U	0.52 UJ	0.61 U	1.2 U	0.96 J	0.48 U	1.2 U	1.2 U	1.0 J
Propylbenzene, n-	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.6	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U
t-Butyl alcohol	NE	0.18 J	0.61 U	0.32 J	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	1.5 U	1.5 U	0.61 U
Tetrachloroethane, 1,1,2,2-	<0.25	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Tetrachloroethene	1.6	1.4 U	1.4 U	0.51 J	1.4 U	0.81 J	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	14 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	5.5 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Thiophene	NE	0.69 UJ	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Trans-1,2-dichloroethene	NE	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	0.69 J	0.69 J	0.47 J	0.46 J	0.69 J	0.73 J	0.61 J	0.59 J	0.69 J	0.74 J	1.5 U	0.61 J	0.69 J
Trichlorobenzene, 1,2,4-	4.8	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Trichloroethane, 1,1,1-	0.7	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethane, 1,1,2-	<0.25	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethene	0.5	0.27 J	1.1 U	0.87 J	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichlorofluoromethane	6.1	1.4	1.2	1.2	1.3	1.5	1.3	1.4	1.6	1.6 J	1.4	1.1 J	1.4	1.6 J
Trimethylbenzene, 1,2,3-	0.6	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.25 J	0.98 U	0.98 U	0.98 U	0.98 U
Trimethylbenzene, 1,2,4-	2.5	0.98 U	0.98 U	0.60 J	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.54 J	0.98 U	0.98 U	0.39 J	0.98 U
Trimethylbenzene, 1,3,5-	1	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Trimethylpentane, 2,2,4-	2	0.93 U	0.37 J	0.94	0.47 J	0.37 J	0.93 U	0.93 U	0.93 U	0.89 J	0.93 U	0.93 U	0.51 J	0.93 U
Undecane, n-	2.3	1.3 U	1.3 U	0.33 J	1.3 U	0.45 J	0.54 J	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Vinyl bromide	NE	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl chloride	<0.25	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U

Table 6-2
Analytical Ambient Air Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Report

Notes:

ug/m3 - micrograms per cubic meter

BTEX - benzene, toluene, ethylbenzene, and xylene

VOCs - volatile organic compounds

¹ Source: New York State Department of Health (NYSDOH), October 2006. Summary of Indoor and Outdoor Levels of Volatile Organic Compounds from Fuel Oil Heated Homes reported in various locations within sampled homes in NYS, 1997-2003. Background values for naphthalene are from the NYSDOH 1997 Control Home Database presented in Table C3 of the NYSDOH 2006 Guidance.

Bolding indicates a detected result value

Shading and bolding indicates that the detected result value exceeds NYSDOH 95th percentile

NA - not analyzed

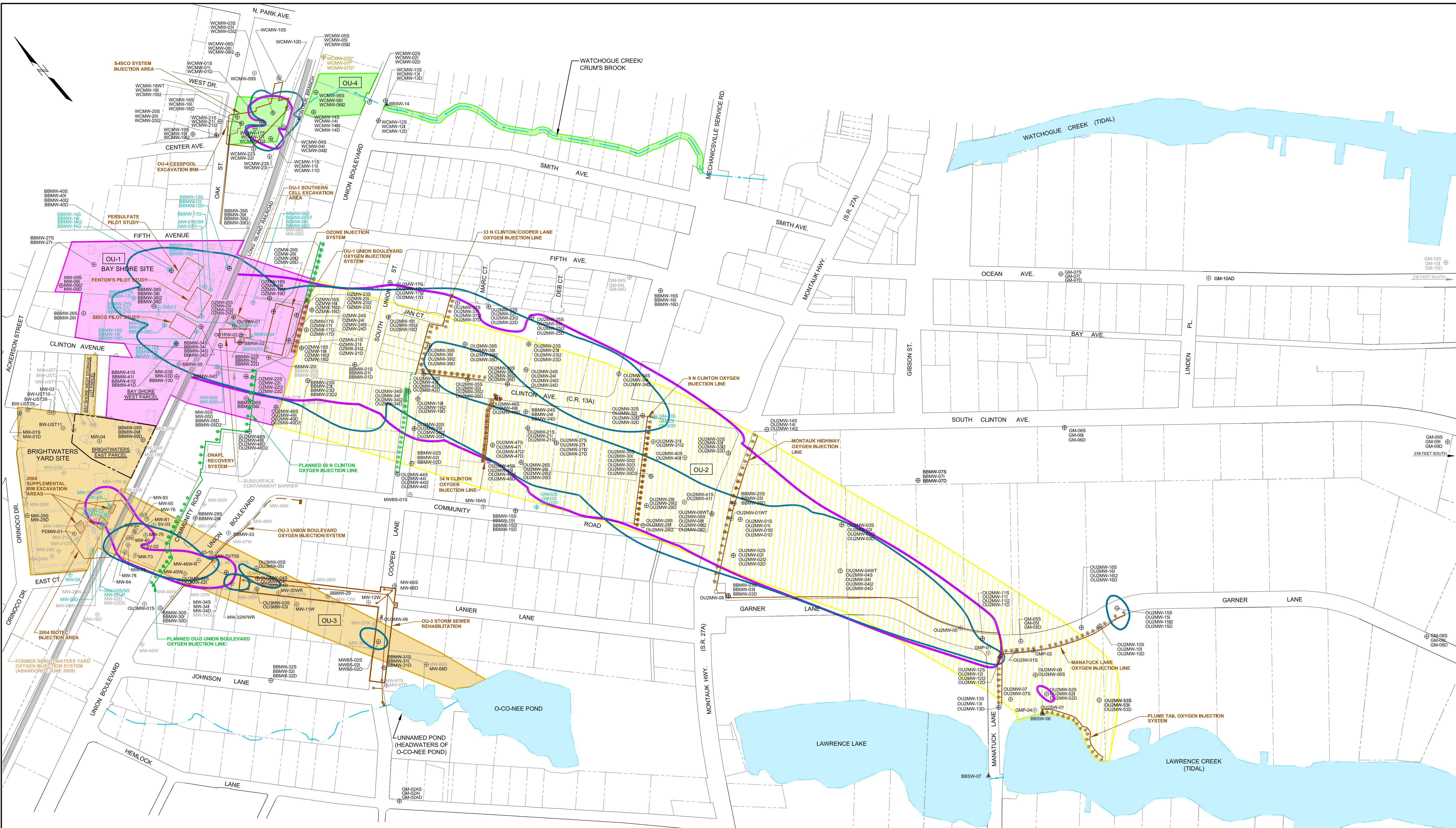
NE - not established

J - estimated value

U - indicates not detected to the reporting limit for organic analysis and the method detection limit for inorganic analysis

UJ - not detected at or above the reporting limit shown and the reporting limit is estimated

Figures



SOURCES:
 1. MAP TITLED "BAY SHORE/BRIGHTWATERS, FORMER MGP SITE FINAL REMEDIAL INVESTIGATION, BAY SHORE, NEW YORK, OFF-SITE SAMPLE LOCATION MAP" DATED: SEPT. 2002 BY DVIRKA AND BARTILUCCI.
 2. FIGURE 2. GROUNDWATER MONITORING WELL AND SURFACE WATER GAUGING STATION LOCATION MAP, BAY SHORE/BRIGHTWATERS FORMER MGP SITE. SCALE: 1"=200'. DATED JANUARY 2004, PREPARED BY VANASSE HANGEN BRUSTLIN, INC., MIDDLETOWN, CONNECTICUT.
 3. DRAWING C-1. OFF-SITE SAMPLE LOCATION MAP, BAY SHORE/BRIGHTWATERS FINAL REMEDIAL INVESTIGATION, SCALE: 1"=200'. DATED OCTOBER 15, 2003, PREPARED BY VANASSE HANGEN BRUSTLIN, INC., MIDDLETOWN, CONNECTICUT.
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LEGEND:

- | | | | |
|-------------|--|---------------------|--|
| ⊕ GM-02AS | ACTIVE MONITORING WELL LOCATION | ⊕ OU2MW-01S | EXISTING MONITORING WELL CLUSTER LOCATION |
| ⊕ MW-67D | DESTROYED MONITORING WELL LOCATION | S=SHALLOW | I=INTERMEDIATE |
| ⊕ GM-03S | ABANDONED MONITORING WELL LOCATION | I2=INTERMEDIATE TWO | D=DEEP |
| ⊕ WCMW-07S* | CONDITION UNKNOWN | — | OU-2 EXTENT FROM 2004 RI BASED ON >100 ug/L TOTAL BTEX OR >100 ug/L TOTAL PAHs DETECTED IN GROUNDWATER |
| ▲ BBSW-06 | SURFACE WATER GAUGING STATION LOCATION | — | OU-2, OU-3 AND OU-4 EXTENTS FROM Q2 2009 BASED ON >100 ug/L TOTAL BTEX OR >100 ug/L TOTAL PAHs DETECTED IN GROUNDWATER |
| — | INSTALLED OXYGEN INJECTION LINE | — | OU-2, OU-3 AND OU-4 EXTENTS FROM Q3 2009 BASED ON >100 ug/L TOTAL BTEX OR >100 ug/L TOTAL PAHs DETECTED IN GROUNDWATER |
| — | PLANNED OXYGEN INJECTION LINE | | |

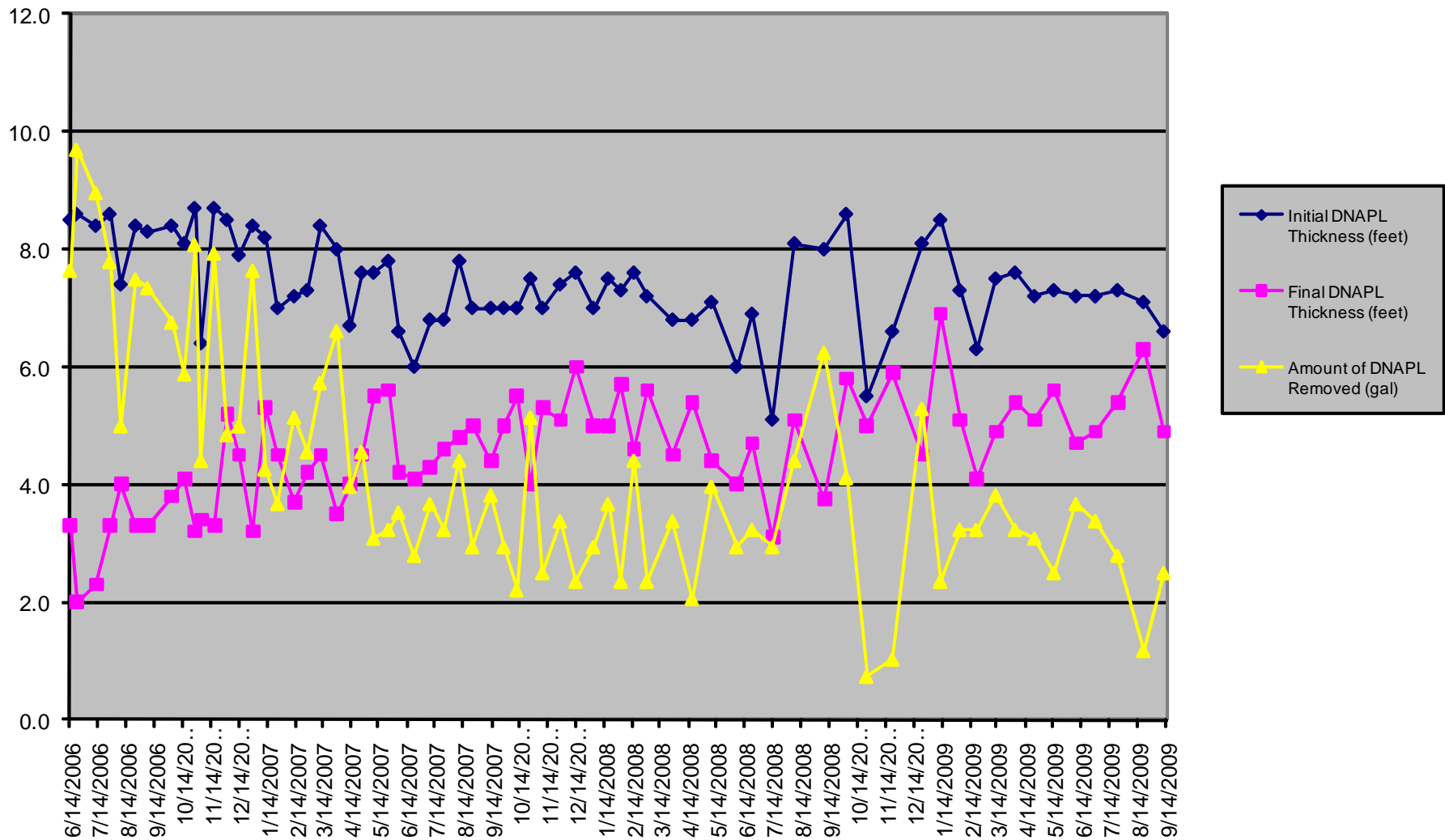


BAY SHORE/BRIGHTWATERS
 FORMER MGP SITE
 BAY SHORE, NEW YORK
 nationalgrid
 Project 093180-5-1506



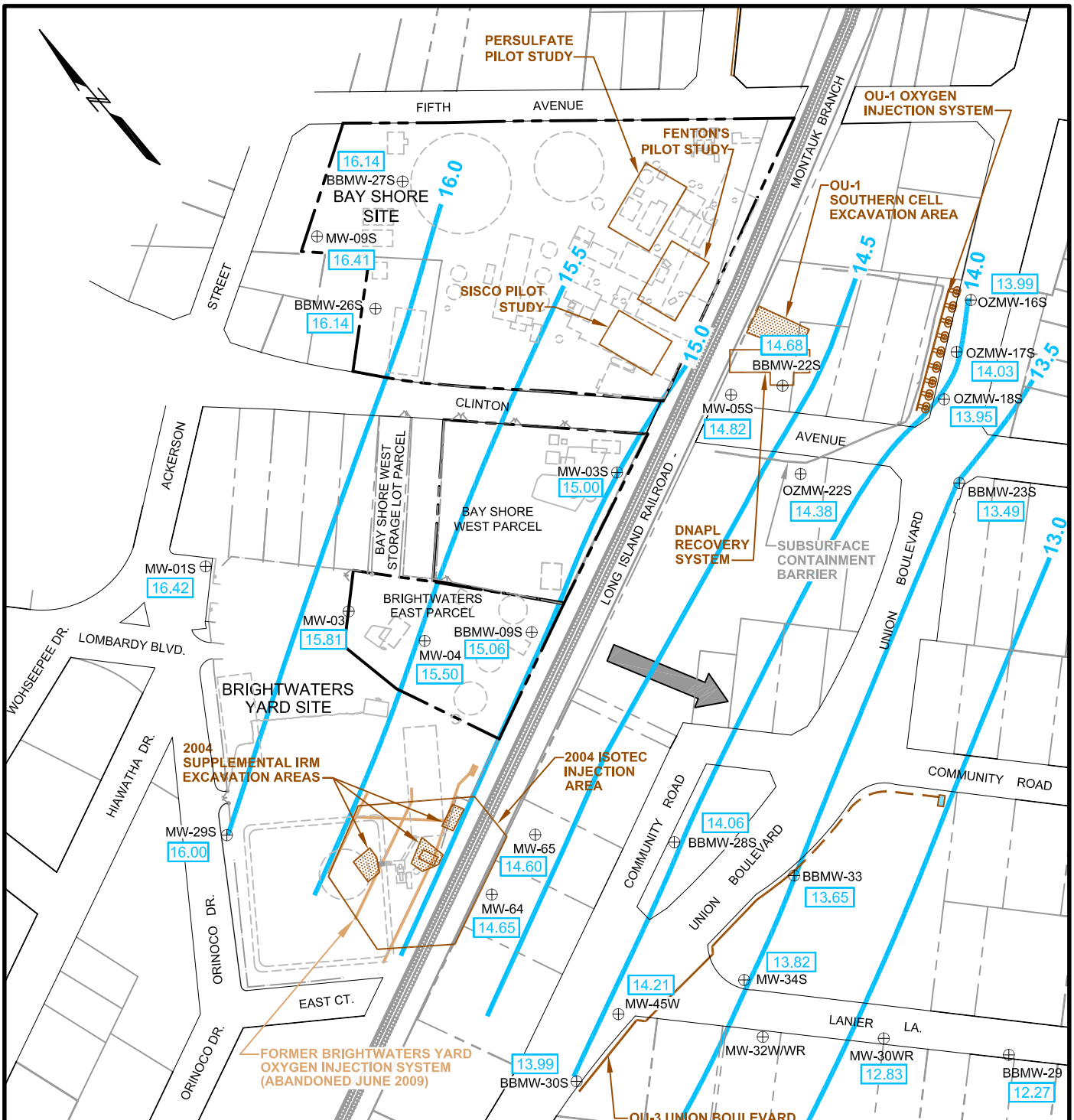
MONITORING WELL AND SURFACE WATER GAUGING STATION LOCATION MAP

K:\GEN\National Grid\Bay Shore\Groundwater-Quarterly Monitoring\2009\FIGS\ Bay-wells PLATE Q3-09.dwg |Dec 22, 2009



BAY SHORE/BRIGHTWATERS FORMER MGP SITE BAY SHORE, NEW YORK	 GEI Consultants
	

DNAPL RECOVERY DATA BBRW-02
Project 093180-5-1506
December 2009
Figure 2



LEGEND

- BMW-09S ⊕ GROUNDWATER MONITORING WELL LOCATION
- 14.0 — GROUNDWATER CONTOUR (FT)
- ➔ ESTIMATED GROUNDWATER FLOW DIRECTION
- 15.06 GROUNDWATER ELEVATION (MEASURED 7/13/09 - 7/14/09)
- * NOT USED TO CALCULATE CONTOURS
- NM NOT MEASURED DUE TO ACCESS RESTRICTIONS



BAY SHORE/BRIGHTWATERS
FORMER MGP SITE
BAY SHORE, NEW YORK

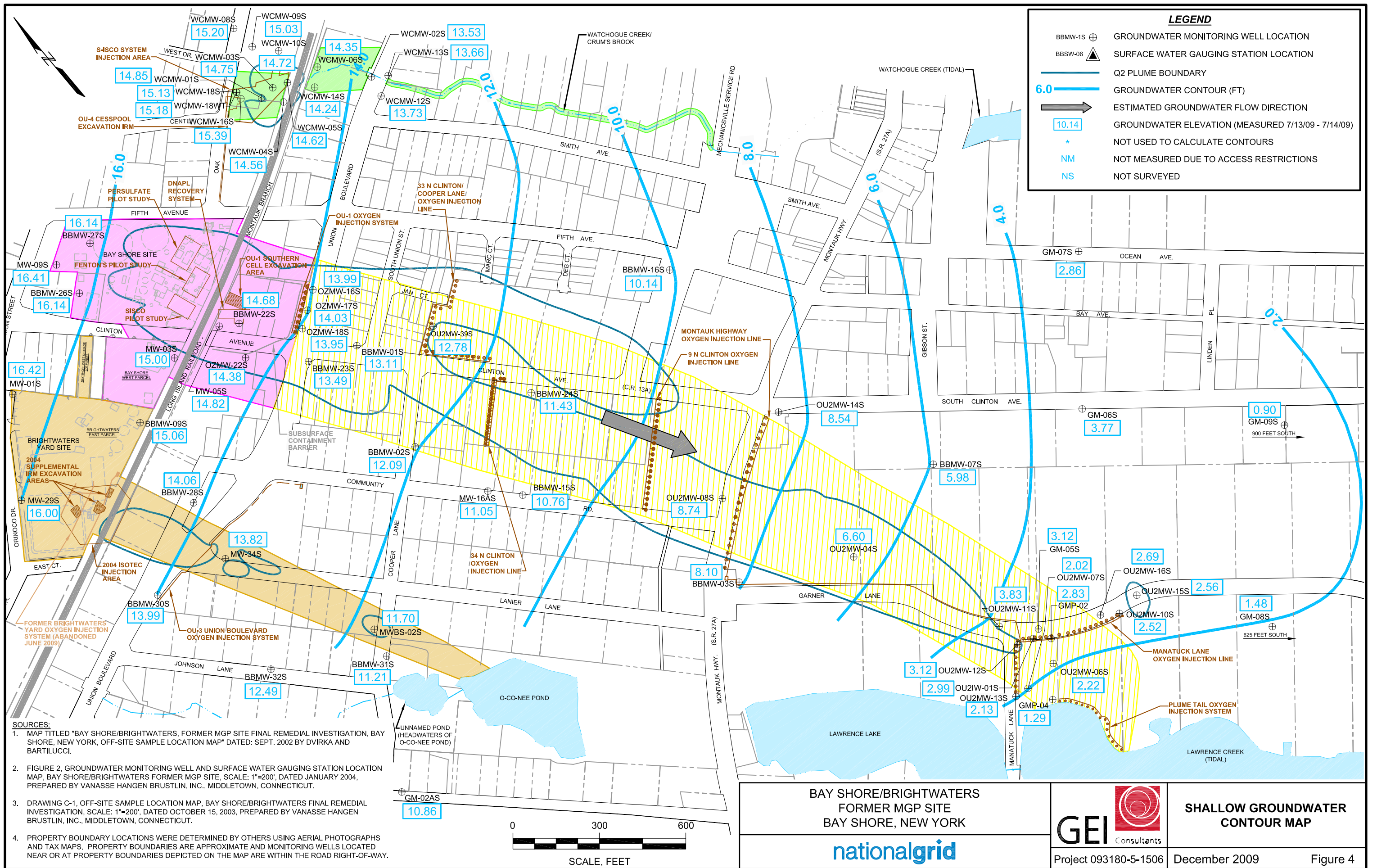


**ON-SITE
SHALLOW GROUNDWATER
CONTOUR MAP**

Project 093180-5-1506

December 2009

Figure 3



LEGEND	
BBMW-1S ⊕	GROUNDWATER MONITORING WELL LOCATION
BBSW-06 ▲	SURFACE WATER GAUGING STATION LOCATION
—	Q2 PLUME BOUNDARY
6.0 —	GROUNDWATER CONTOUR (FT)
→	ESTIMATED GROUNDWATER FLOW DIRECTION
10.14	GROUNDWATER ELEVATION (MEASURED 7/13/09 - 7/14/09)
*	NOT USED TO CALCULATE CONTOURS
NM	NOT MEASURED DUE TO ACCESS RESTRICTIONS
NS	NOT SURVEYED

- SOURCES:**
1. MAP TITLED "BAY SHORE/BRIGHTWATERS, FORMER MGP SITE FINAL REMEDIAL INVESTIGATION, BAY SHORE, NEW YORK, OFF-SITE SAMPLE LOCATION MAP" DATED: SEPT. 2002 BY DVIRKA AND BARTILUCCI.
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BAY SHORE/BRIGHTWATERS
FORMER MGP SITE
BAY SHORE, NEW YORK

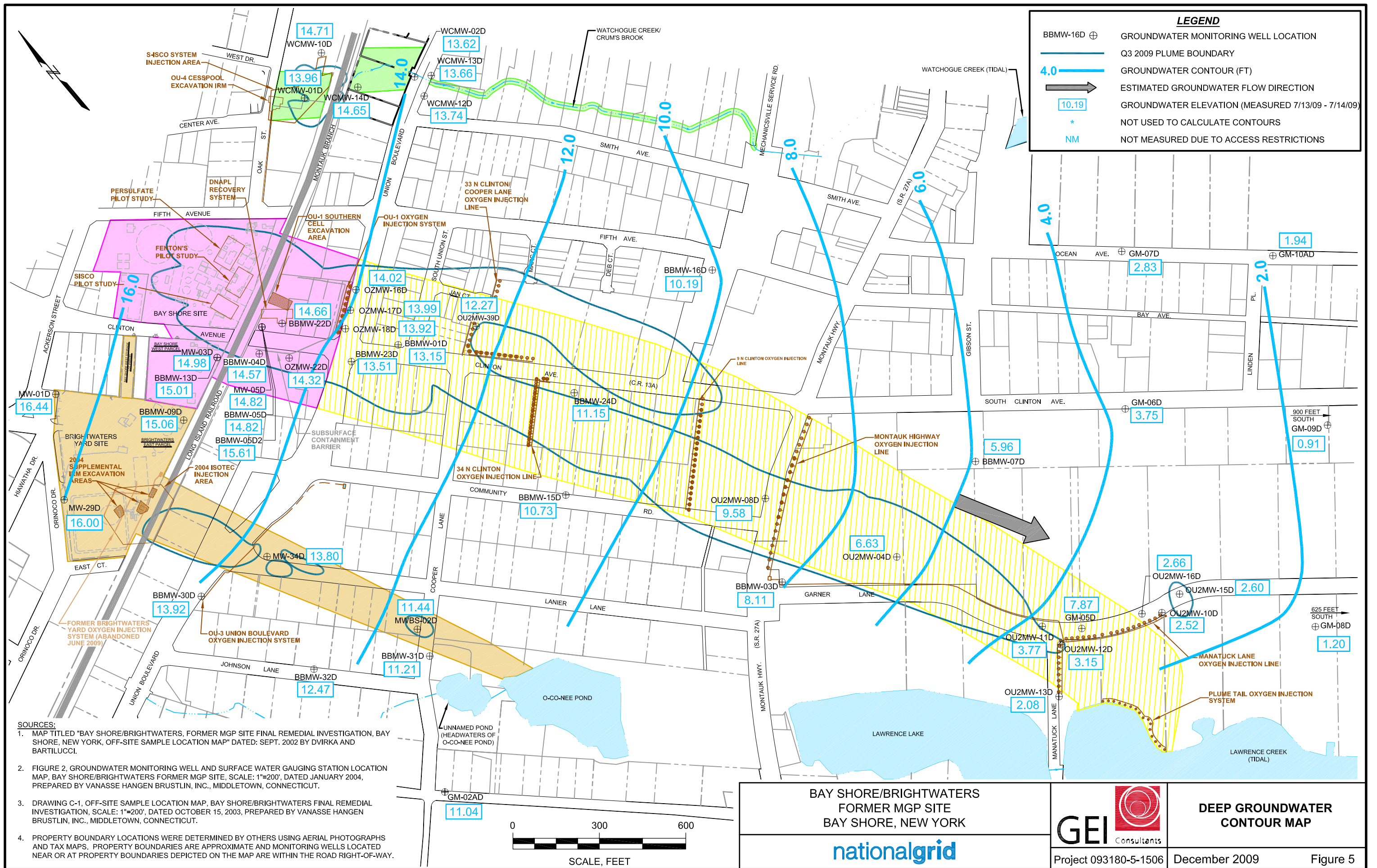
nationalgrid



**SHALLOW GROUNDWATER
CONTOUR MAP**

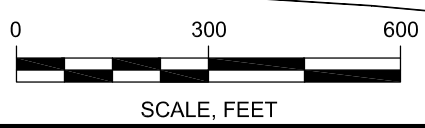
December 2009

Figure 4



LEGEND	
BBMW-16D ⊕	GROUNDWATER MONITORING WELL LOCATION
—	Q3 2009 PLUME BOUNDARY
4.0 —	GROUNDWATER CONTOUR (FT)
→	ESTIMATED GROUNDWATER FLOW DIRECTION
10.19	GROUNDWATER ELEVATION (MEASURED 7/13/09 - 7/14/09)
*	NOT USED TO CALCULATE CONTOURS
NM	NOT MEASURED DUE TO ACCESS RESTRICTIONS

- SOURCES:**
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BAY SHORE/BRIGHTWATERS
FORMER MGP SITE
BAY SHORE, NEW YORK

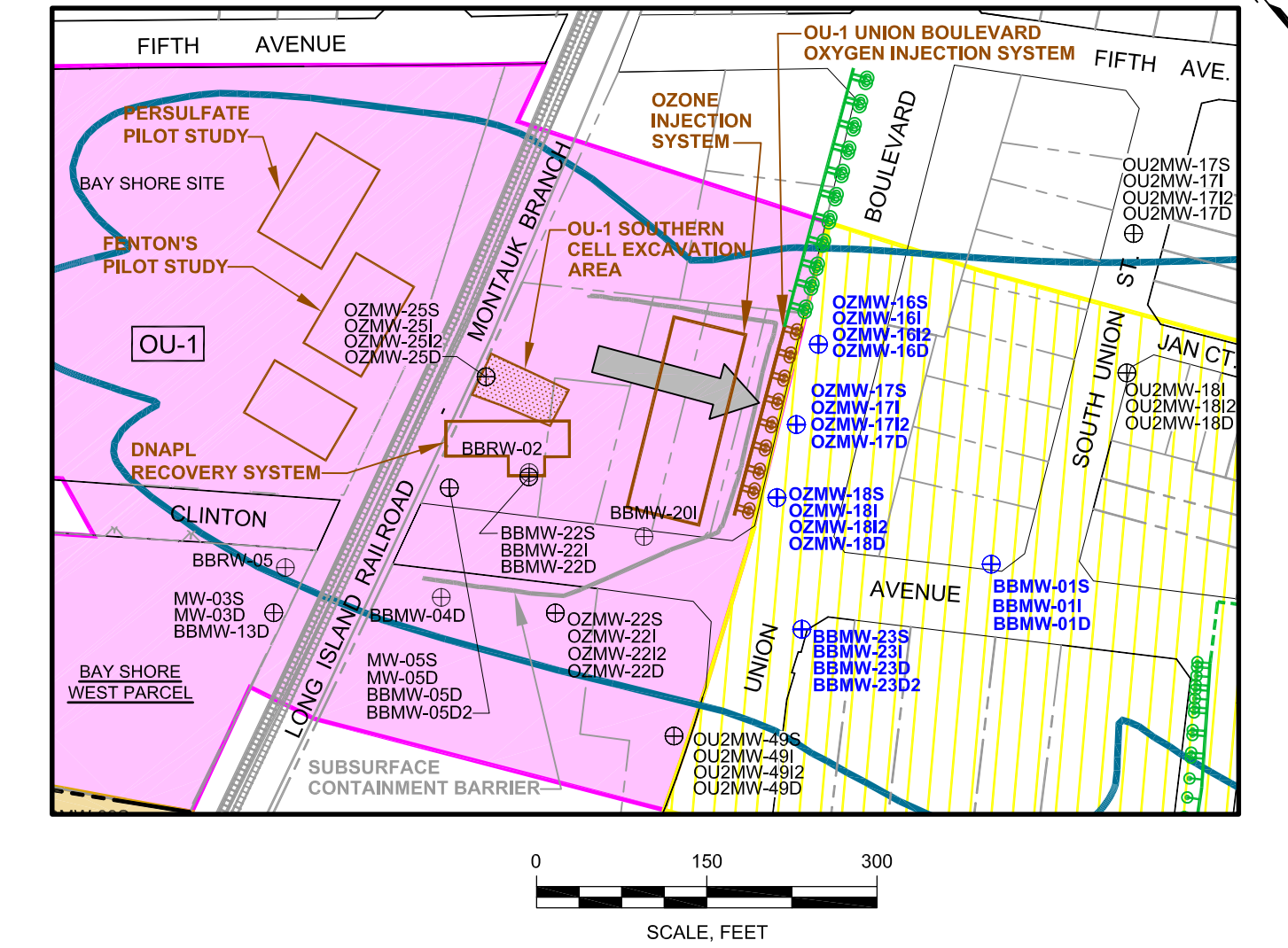
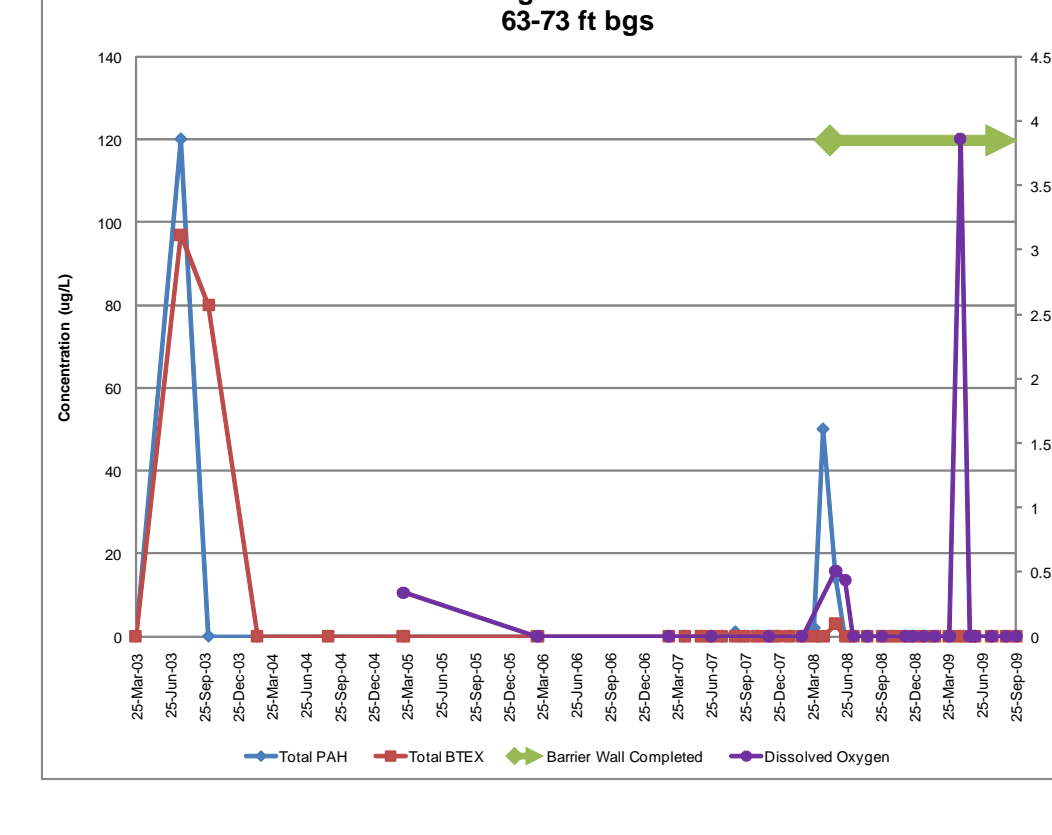
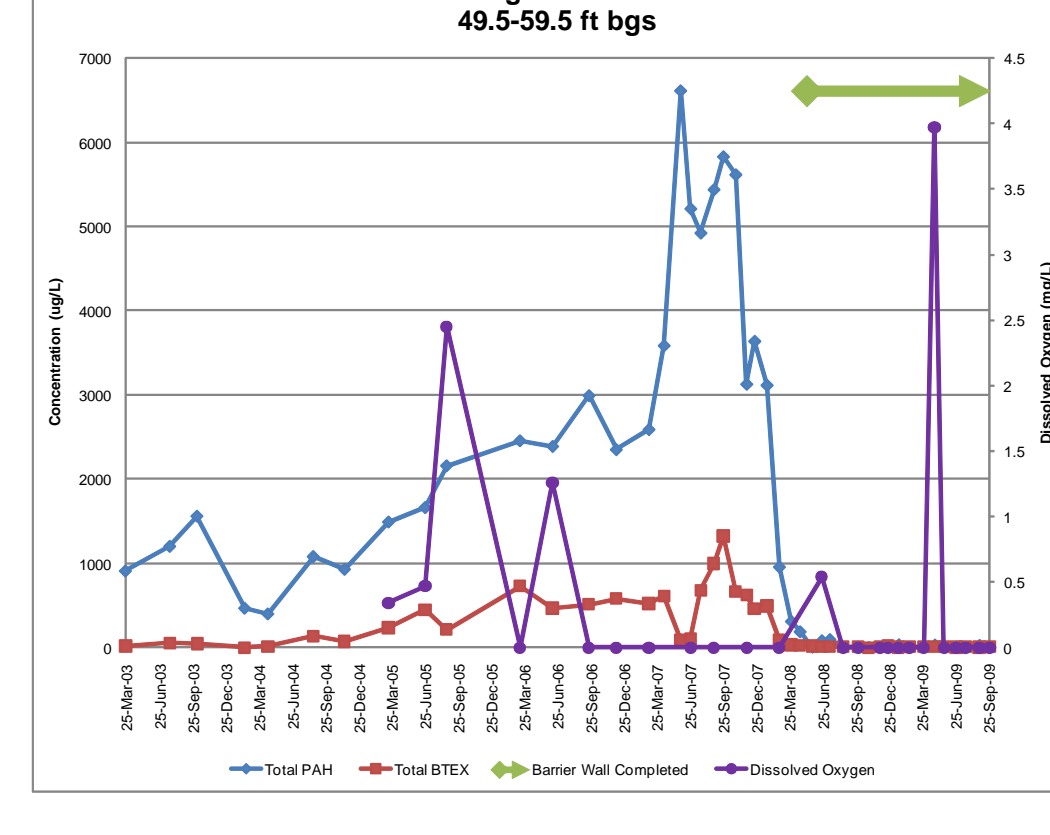
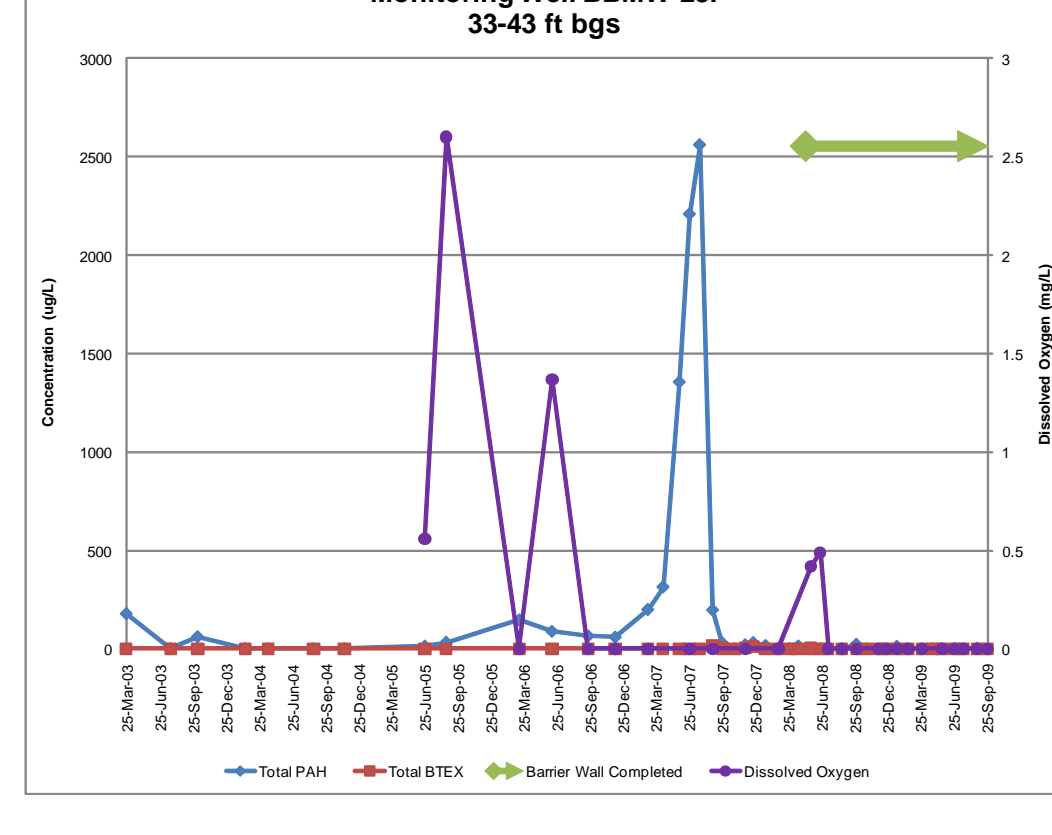
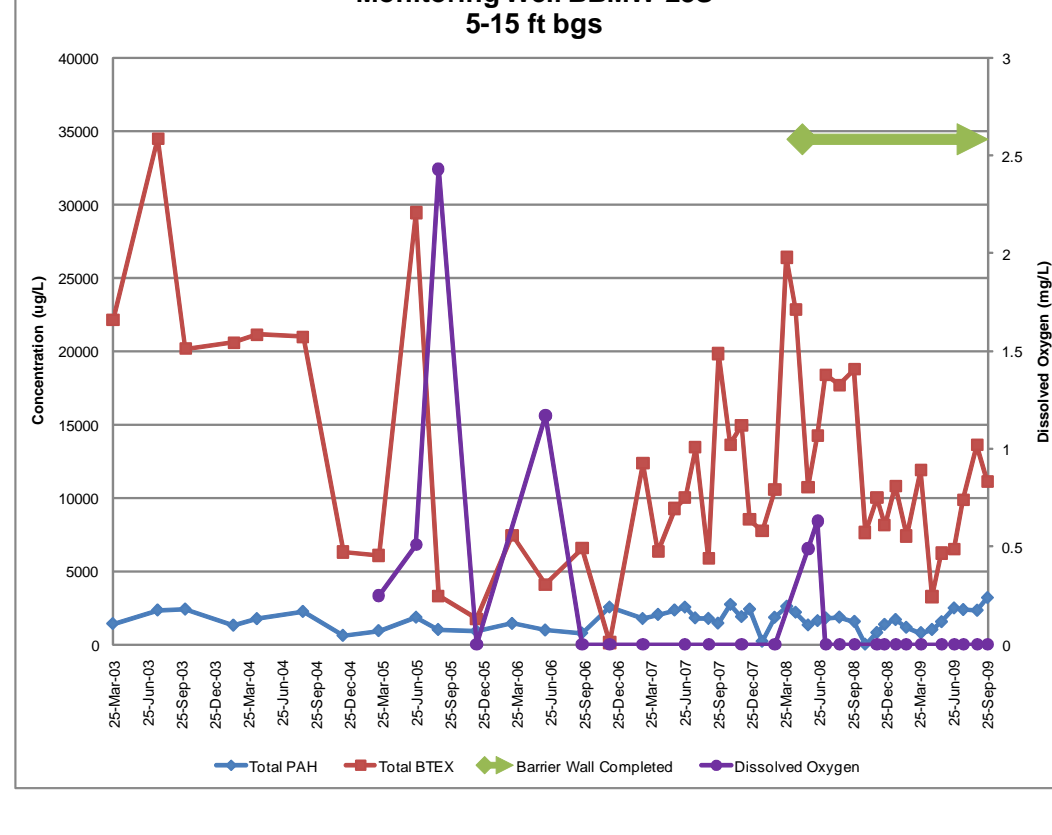
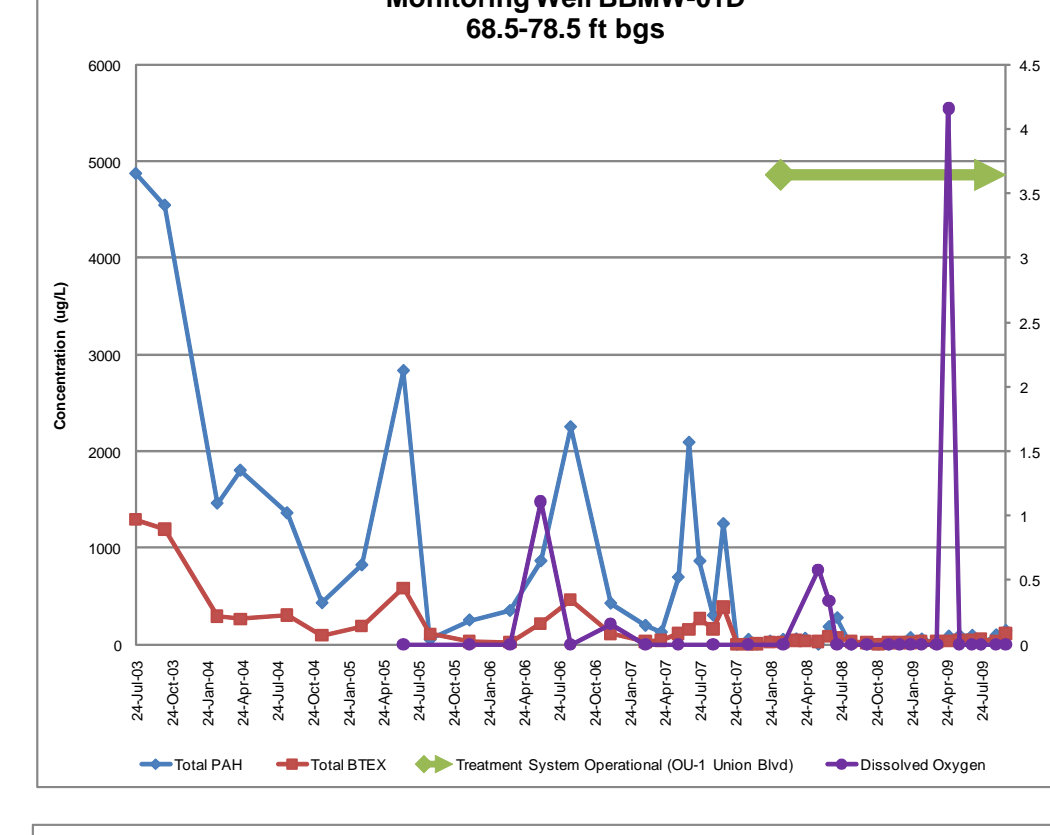
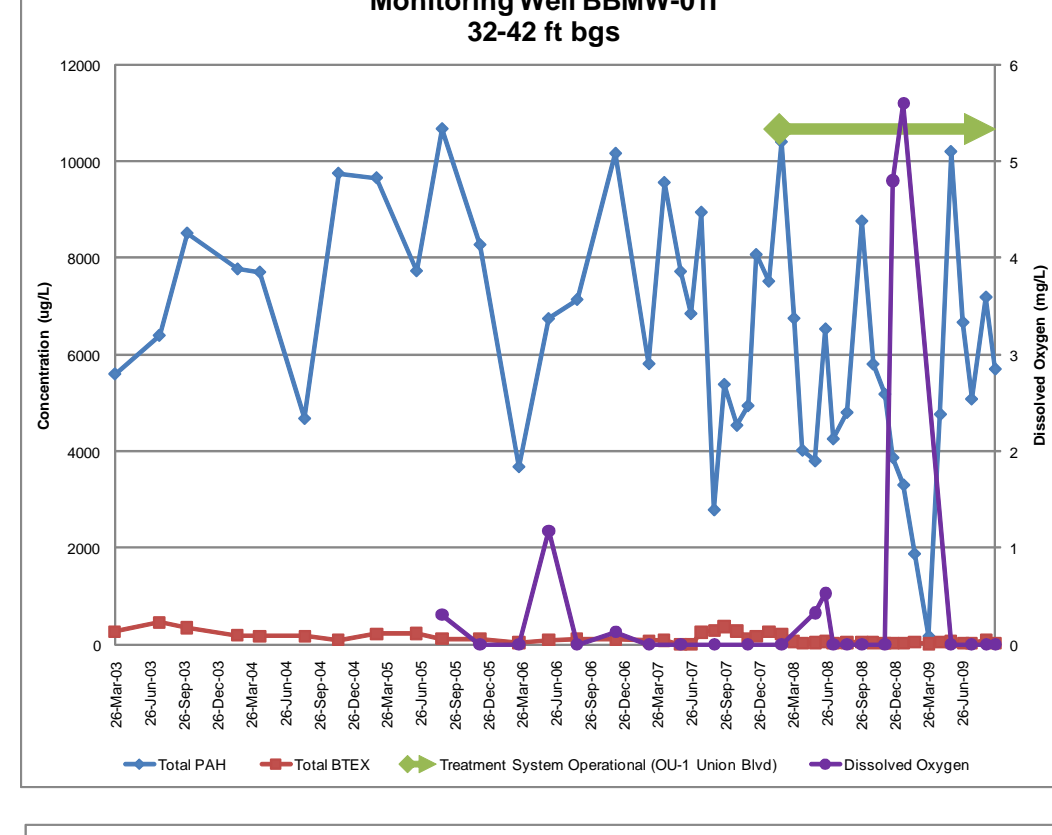
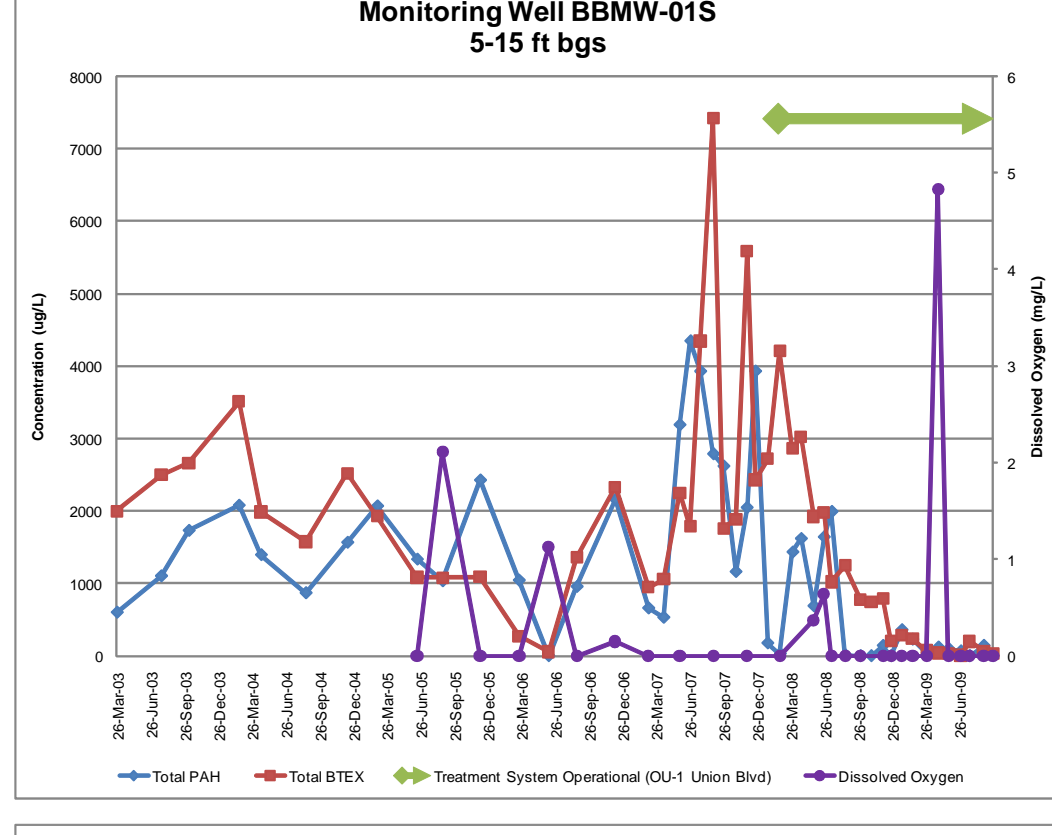
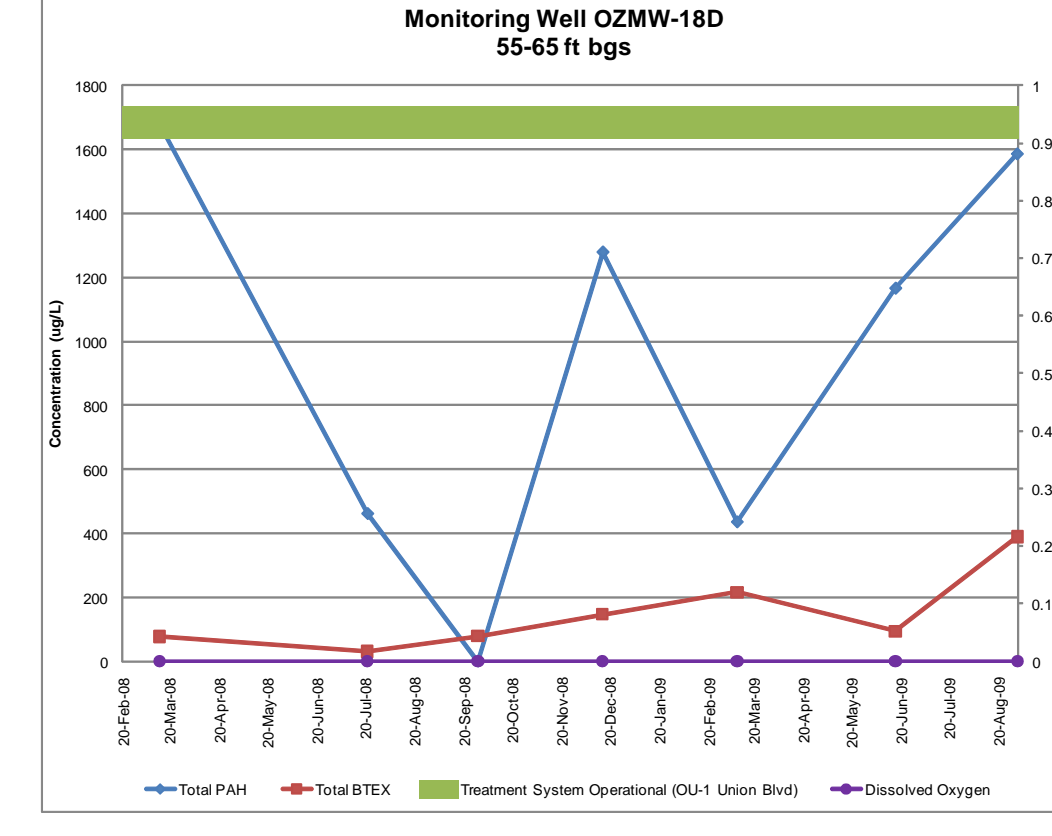
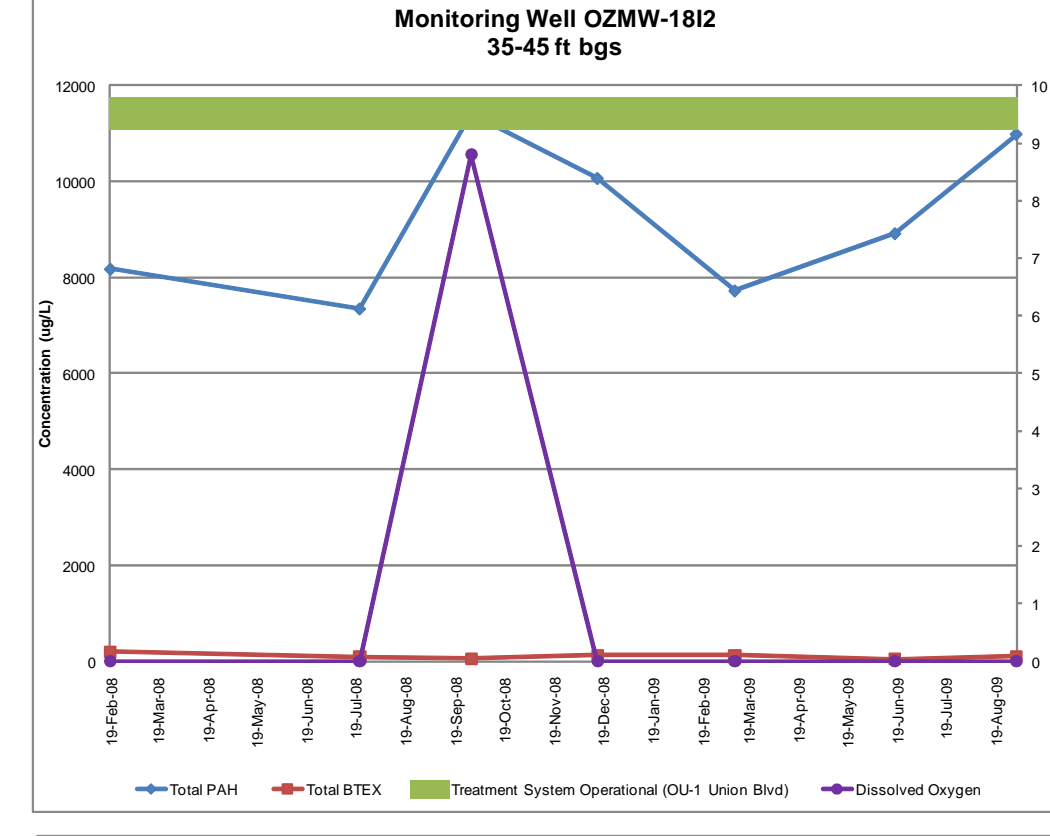
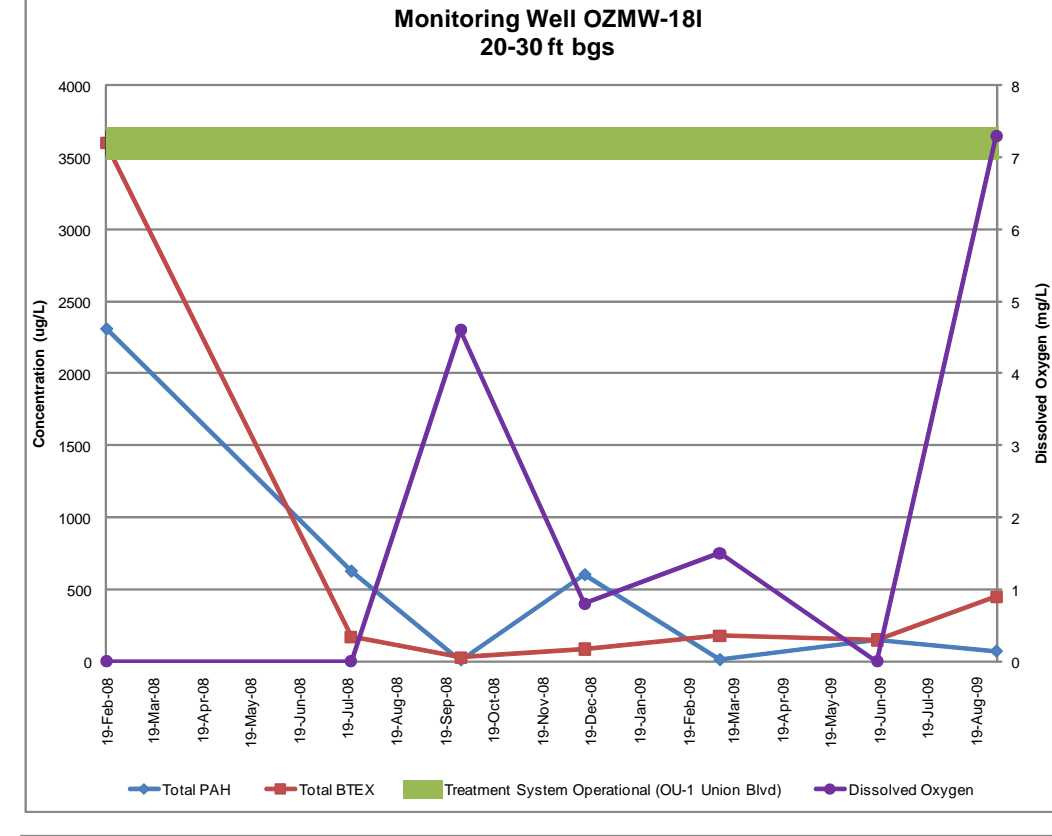
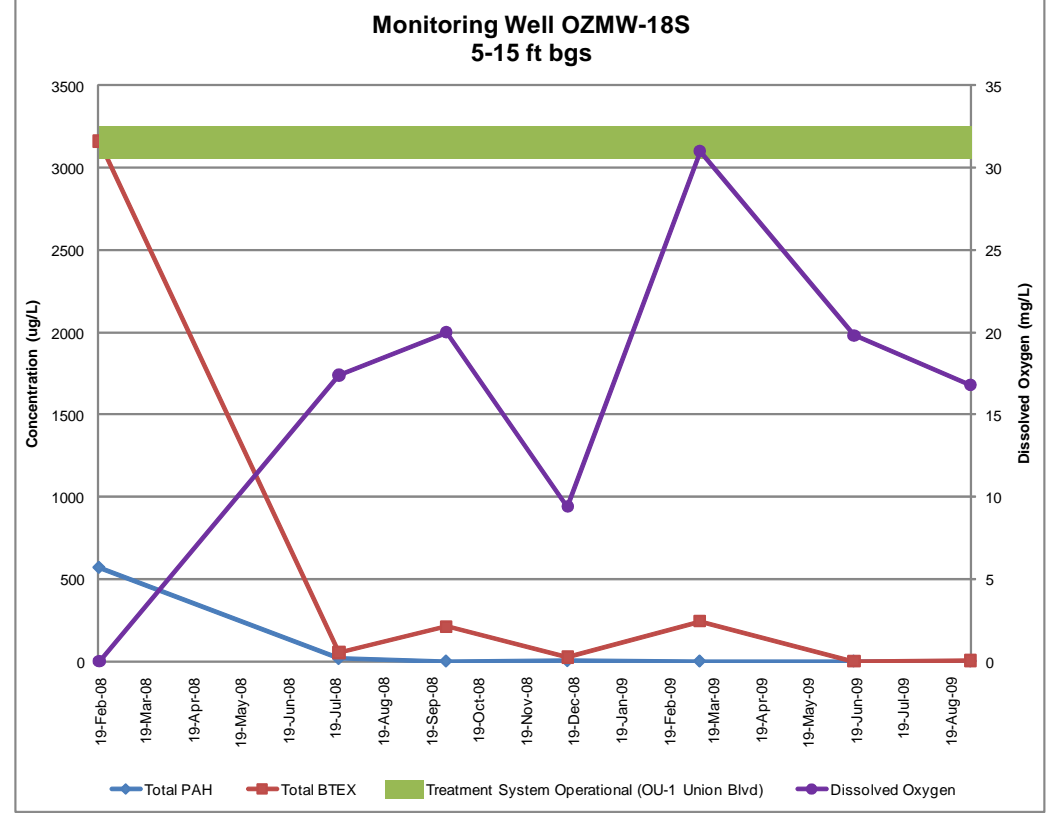
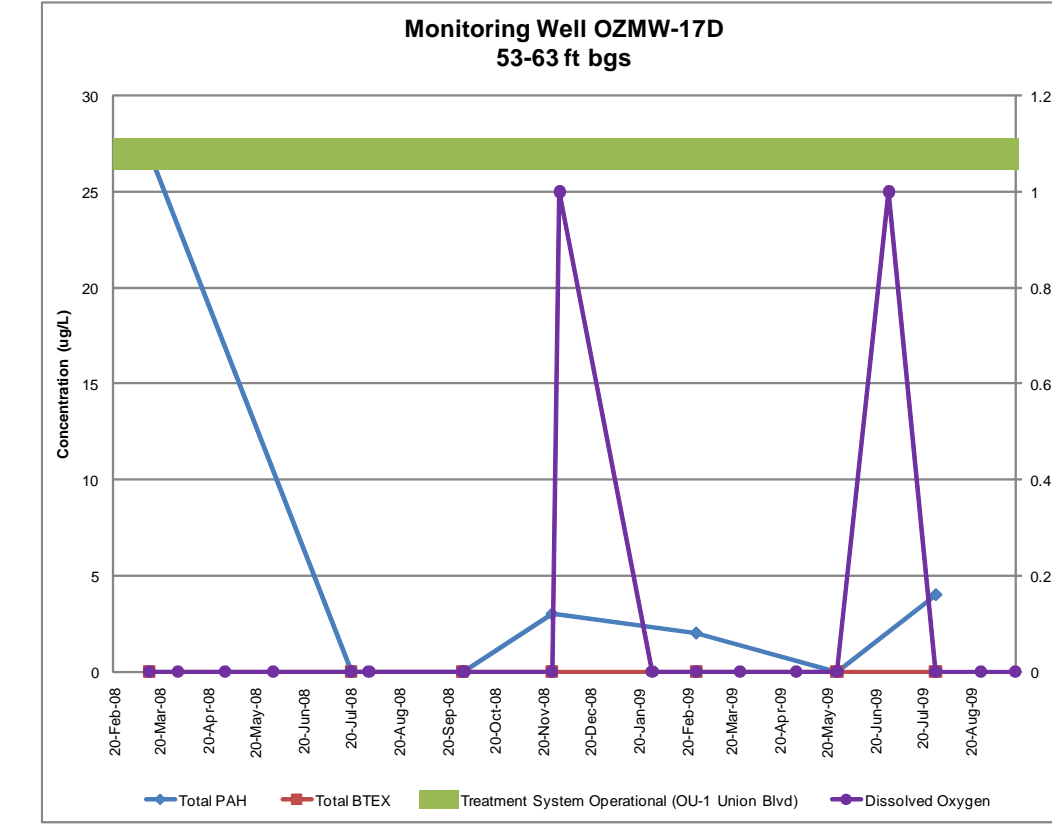
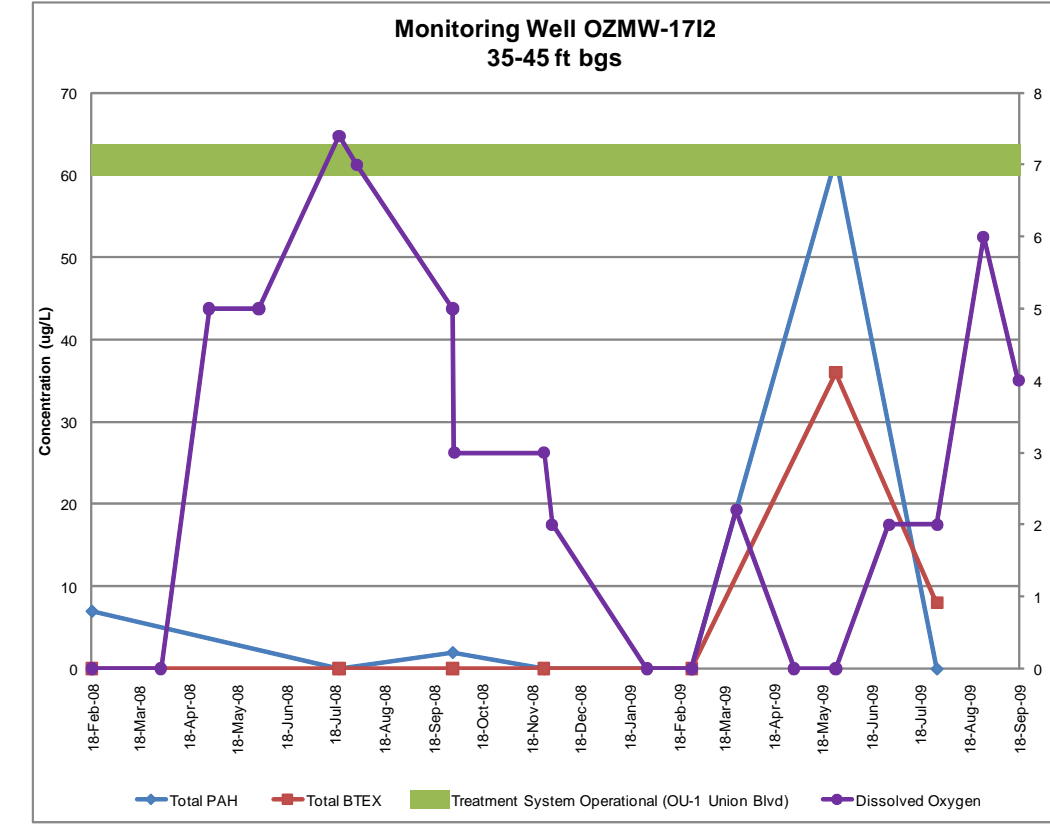
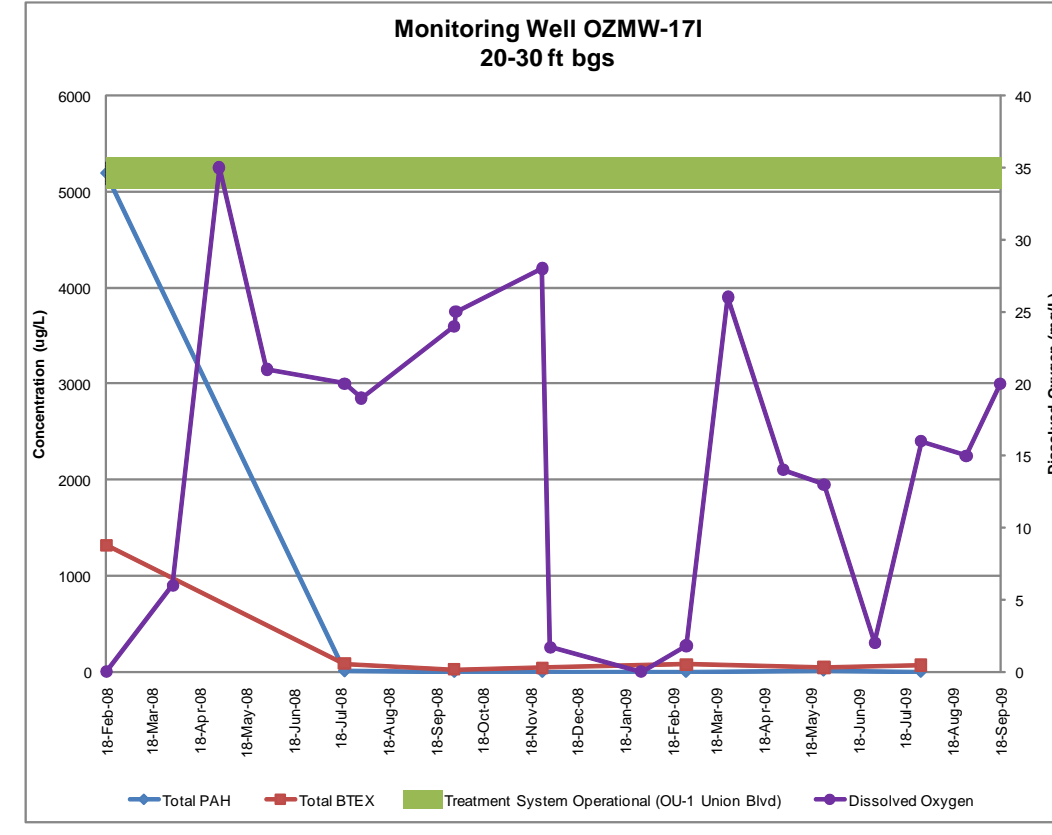
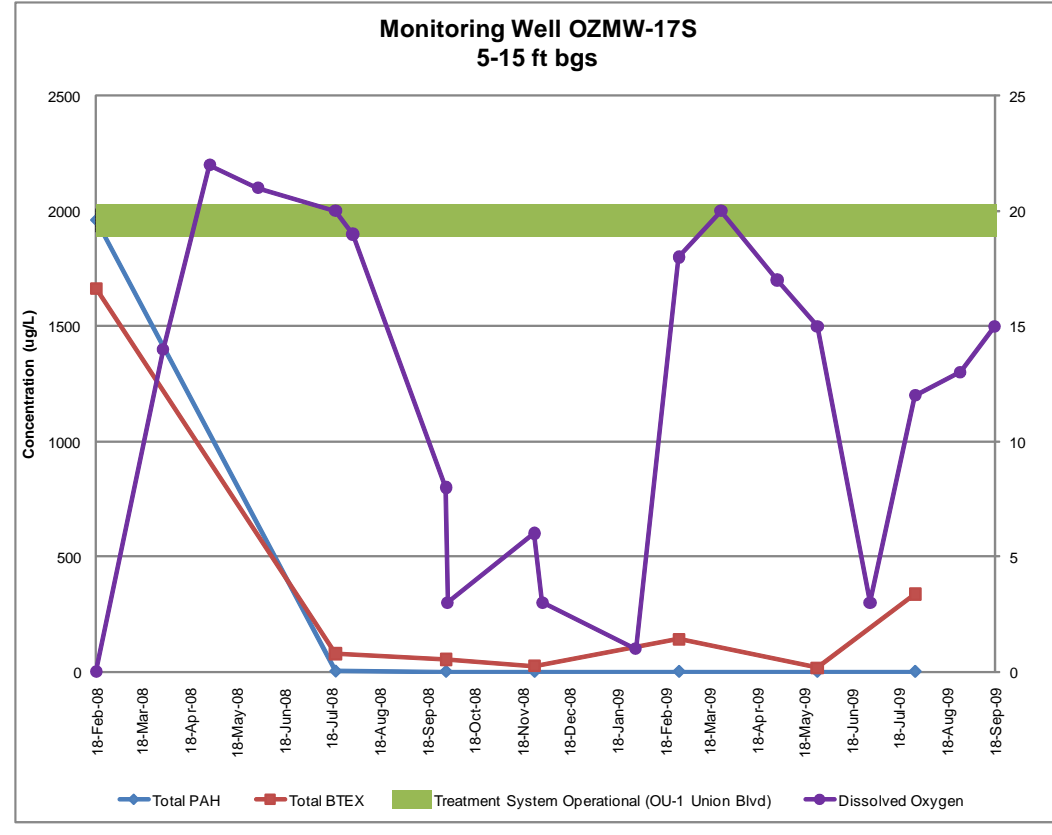
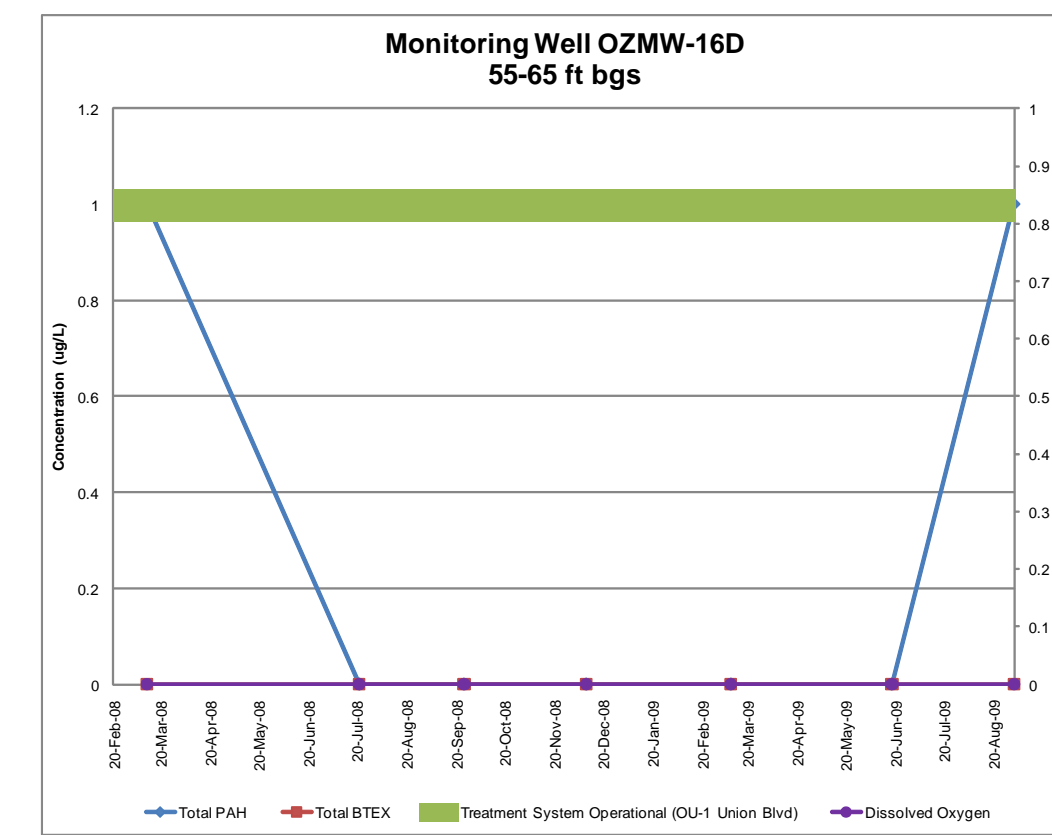
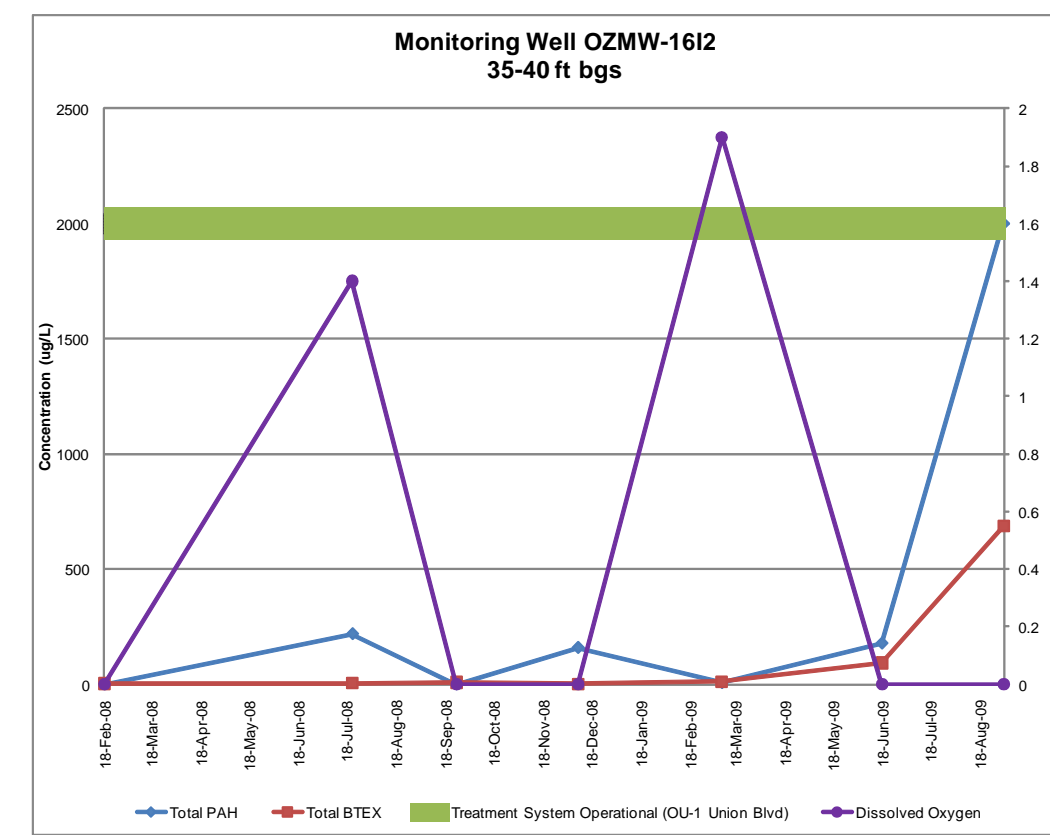
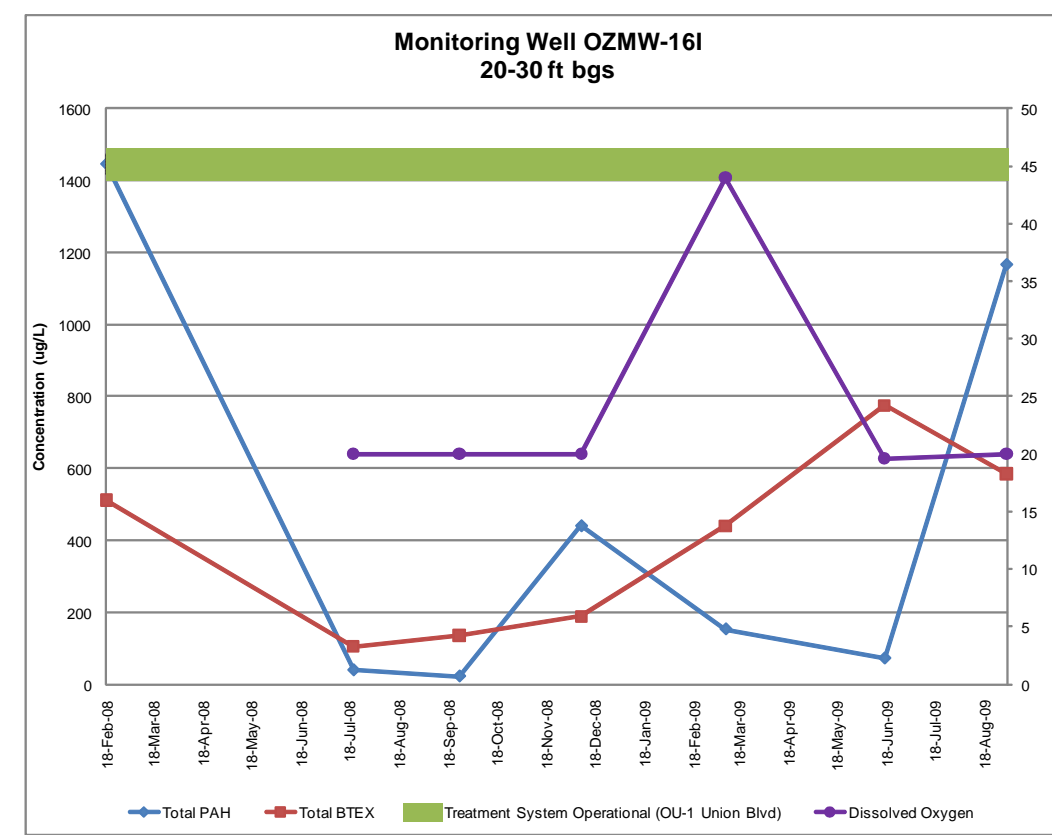
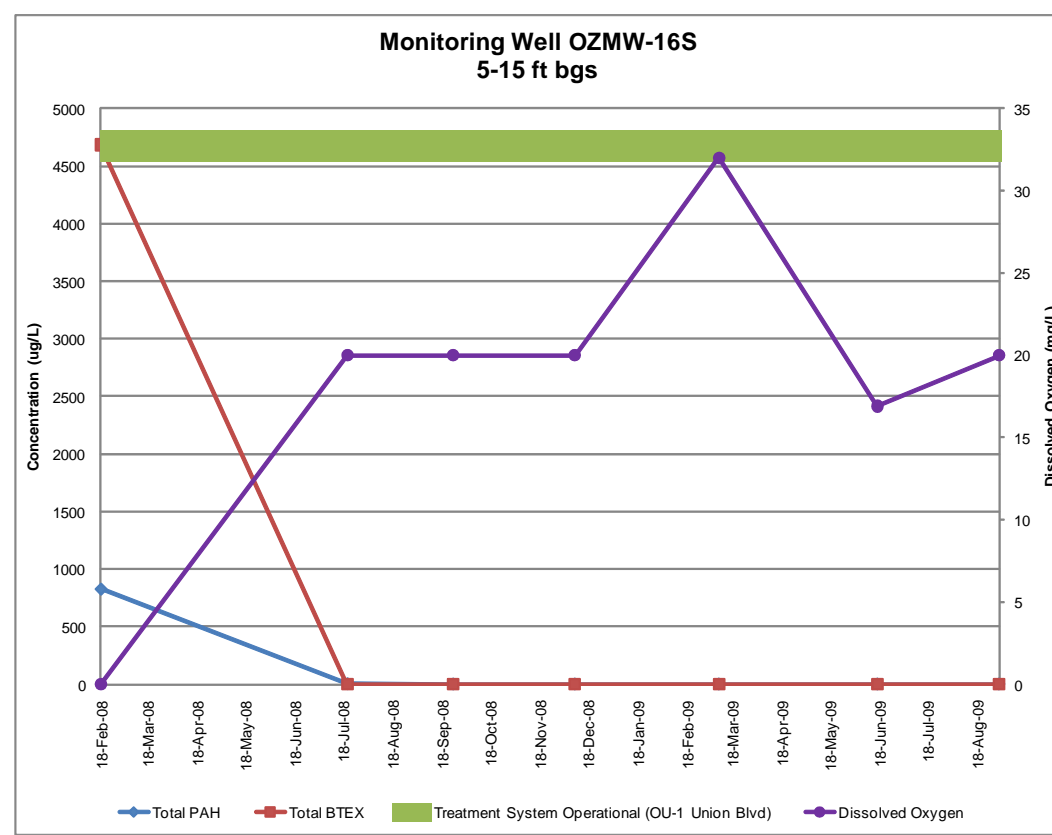
nationalgrid



**DEEP GROUNDWATER
CONTOUR MAP**

December 2009

Figure 5



MAP LEGEND:

- ⊕ OZMW-17 S,I,I2,D ACTIVE MONITORING WELL LOCATION SHALLOW, INTERMEDIATE, INTERMEDIATE 2, DEEP
- ⊕ OZMW-17 S,I,I2,D ASSOCIATED TIME-SERIES CONCENTRATION GRAPH PROVIDED ON PLATE
- Q3 2009 PLUME BOUNDARY
- APPROXIMATE GROUNDWATER FLOW DIRECTION

SOURCES:

1. MAP TITLED "BAY SHORE/BRIGHTWATERS, FORMER MGP SITE FINAL REMEDIAL INVESTIGATION, BAY SHORE, NEW YORK, OFF-SITE SAMPLE LOCATION MAP" DATED: SEPT. 2002 BY DVIRKA AND BARTILUCCI.
2. FIGURE 2, GROUNDWATER MONITORING WELL AND SURFACE WATER GAUGING STATION LOCATION MAP, BAY SHORE/BRIGHTWATERS FORMER MGP SITE, SCALE: 1"=200', DATED JANUARY 2004, PREPARED BY VANASSE HANGEN BRUSTLIN, INC., MIDDLETOWN, CONNECTICUT.
3. DRAWING C-1, OFF-SITE SAMPLE LOCATION MAP, BAY SHORE/BRIGHTWATERS FINAL REMEDIAL INVESTIGATION, SCALE: 1"=200', DATED OCTOBER 15, 2003, PREPARED BY VANASSE HANGEN BRUSTLIN, INC., MIDDLETOWN, CONNECTICUT.
4. PROPERTY BOUNDARY LOCATIONS WERE DETERMINED BY OTHERS USING AERIAL PHOTOGRAPHS AND TAX MAPS. PROPERTY BOUNDARIES ARE APPROXIMATE AND MONITORING WELLS LOCATED NEAR OR AT PROPERTY BOUNDARIES DEPICTED ON THE MAP ARE WITHIN THE ROAD RIGHT-OF-WAY.

BAY SHORE/BRIGHTWATERS
FORMER MGP SITE
BAY SHORE, NEW YORK

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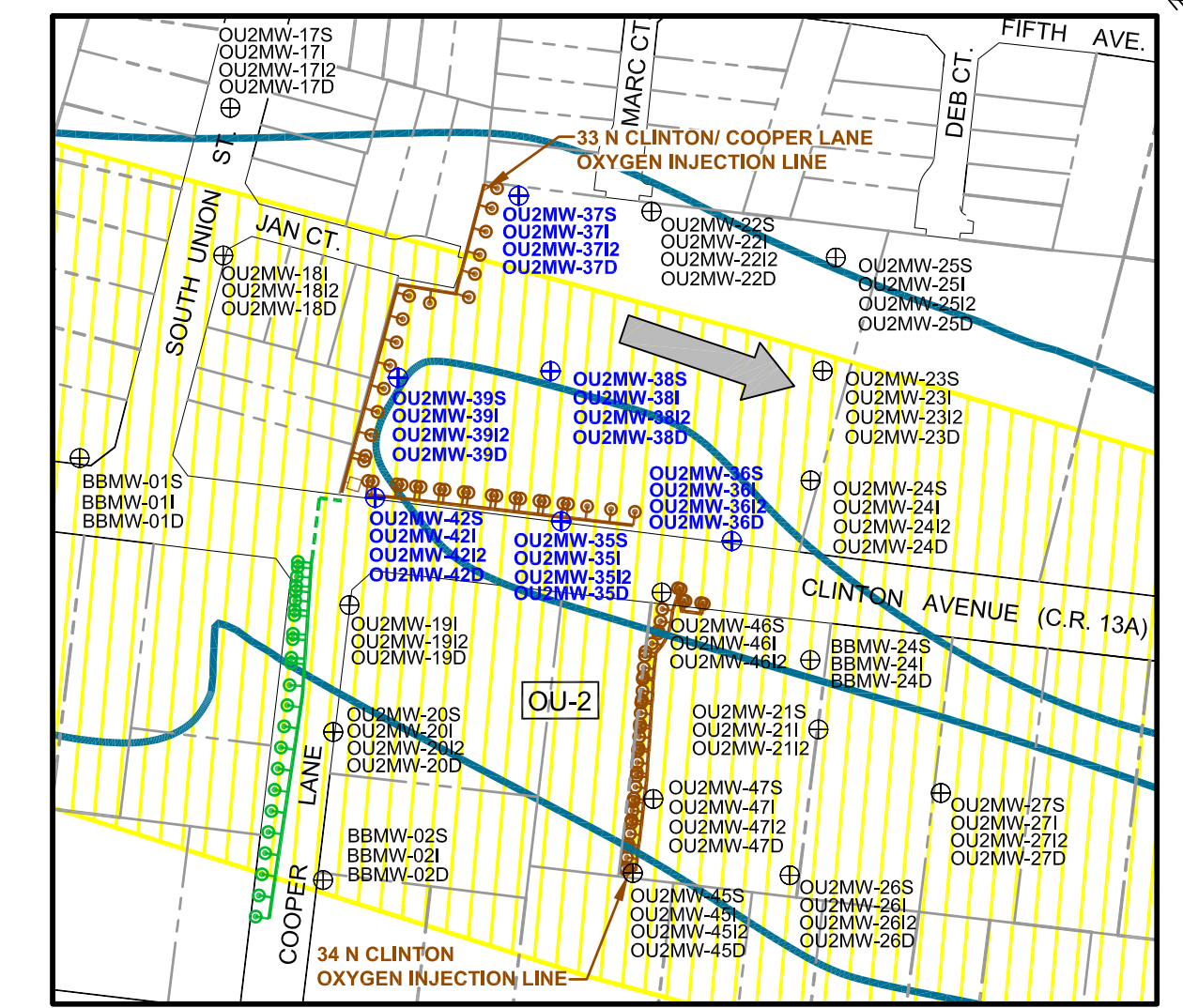
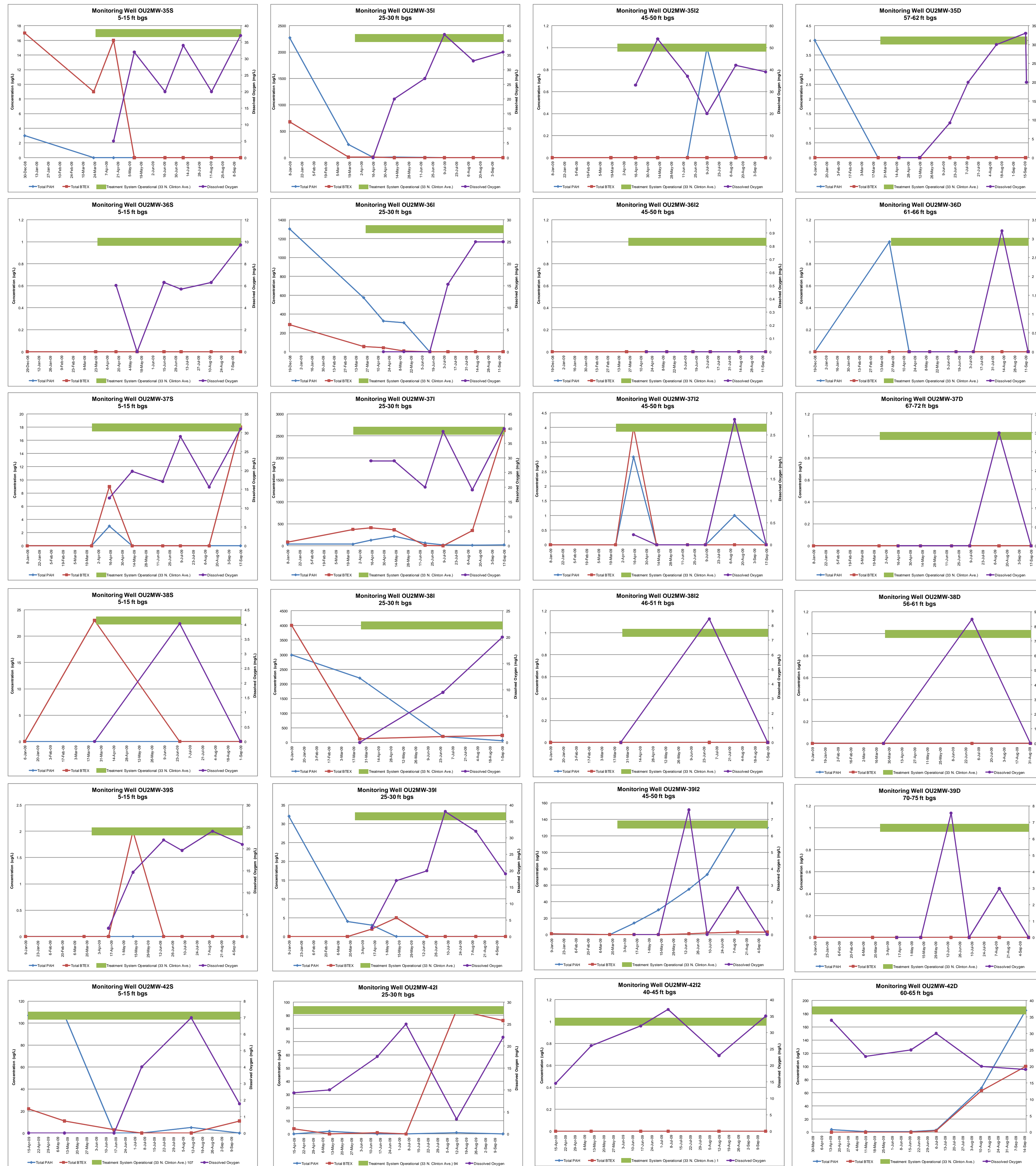


110 WALT WHITMAN ROAD
SUITE 204
HUNTINGTON STATION, NY 11746

**OU-1 UNION BOULEVARD
OXYGEN INJECTION LINE
GROUNDWATER DATA**

December 2009

Figure 6



MAP LEGEND:

- ⊕ OU2MW-08 ACTIVE MONITORING WELL LOCATION
WT.S,I,I,D
- ⊕ OU2MW-35 ASSOCIATED TIME-SERIES CONCENTRATION GRAPH PROVIDED ON PLATE
S,I,I,D
- Q3 2009 PLUME BOUNDARY
- APPROXIMATE GROUNDWATER FLOW DIRECTION

SOURCES:

1. MAP TITLED "BAY SHORE/BRIGHTWATERS, FORMER MGP SITE FINAL REMEDIAL INVESTIGATION, BAY SHORE, NEW YORK, OFF-SITE SAMPLE LOCATION MAP" DATED: SEPT. 2002 BY DVIRKA AND BARTILUCCI.
2. FIGURE 2. GROUNDWATER MONITORING WELL AND SURFACE WATER GAUGING STATION LOCATION MAP, BAY SHORE/BRIGHTWATERS FORMER MGP SITE, SCALE: 1"=200', DATED JANUARY 2004, PREPARED BY VANASSE HANGEN BRUSTLIN, INC., MIDDLETOWN, CONNECTICUT.
3. DRAWING C-1, OFF-SITE SAMPLE LOCATION MAP, BAY SHORE/BRIGHTWATERS FINAL REMEDIAL INVESTIGATION, SCALE: 1"=200', DATED OCTOBER 15, 2003, PREPARED BY VANASSE HANGEN BRUSTLIN, INC., MIDDLETOWN, CONNECTICUT.
4. PROPERTY BOUNDARY LOCATIONS WERE DETERMINED BY OTHERS USING AERIAL PHOTOGRAPHS AND TAX MAPS. PROPERTY BOUNDARIES ARE APPROXIMATE AND MONITORING WELLS LOCATED NEAR OR AT PROPERTY BOUNDARIES DEPICTED ON THE MAP ARE WITHIN THE ROAD RIGHT-OF-WAY.

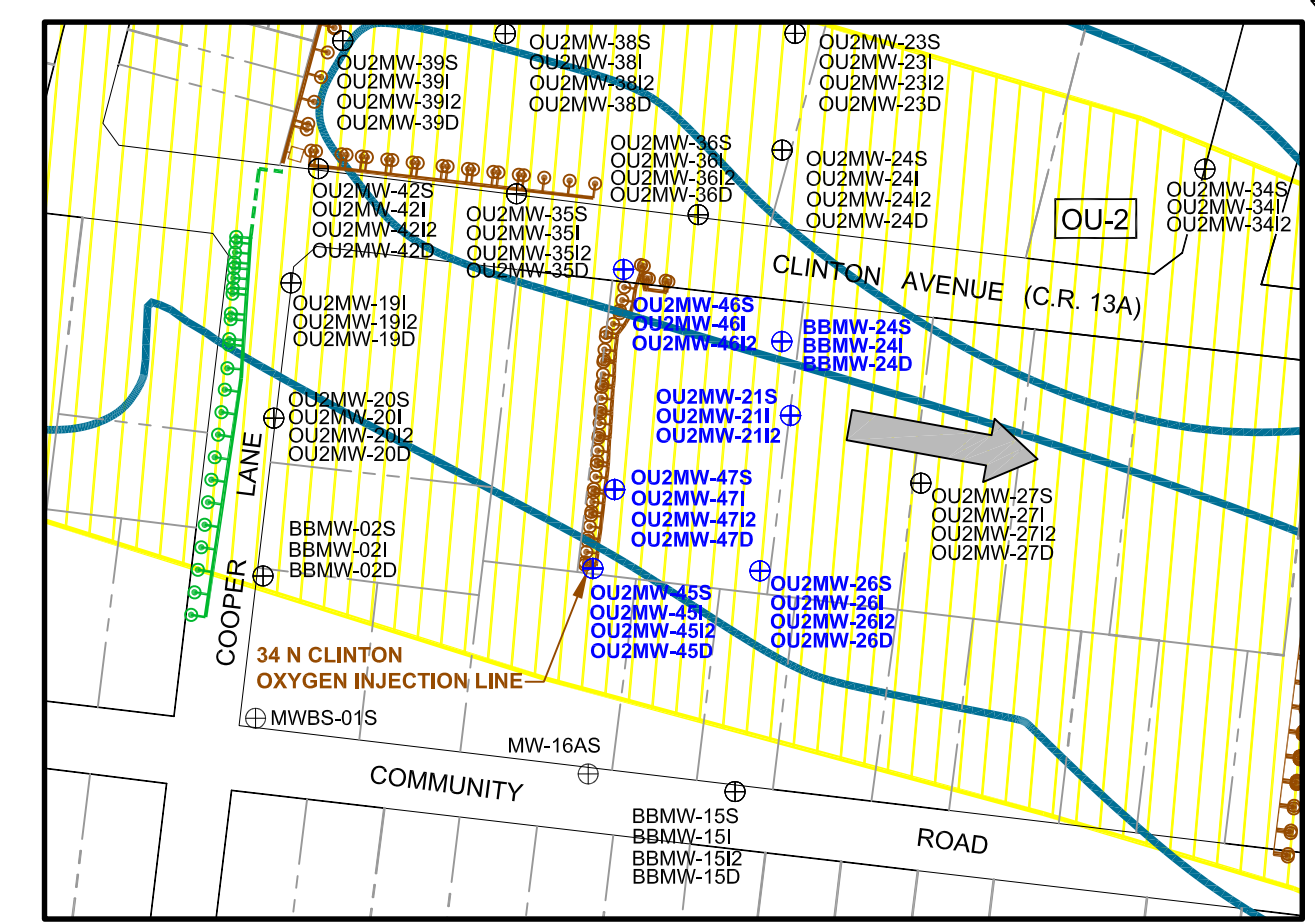
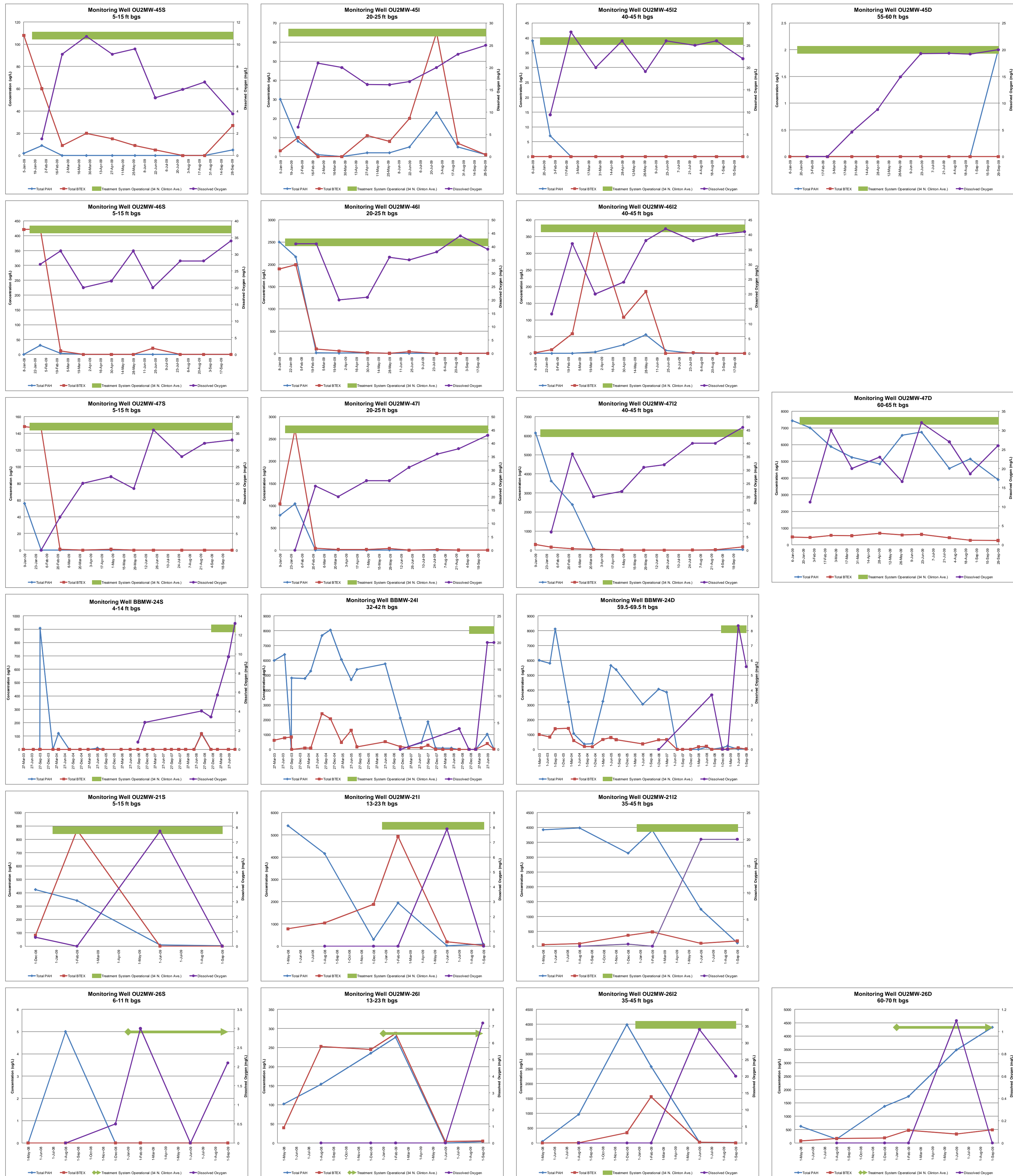
BAY SHORE/BRIGHTWATERS
FORMER MGP SITE
BAY SHORE, NEW YORK
nationalgrid
Project 093180-5-1506



**33 N. CLINTON AVENUE
OXYGEN INJECTION LINE
GROUNDWATER DATA**

December 2009

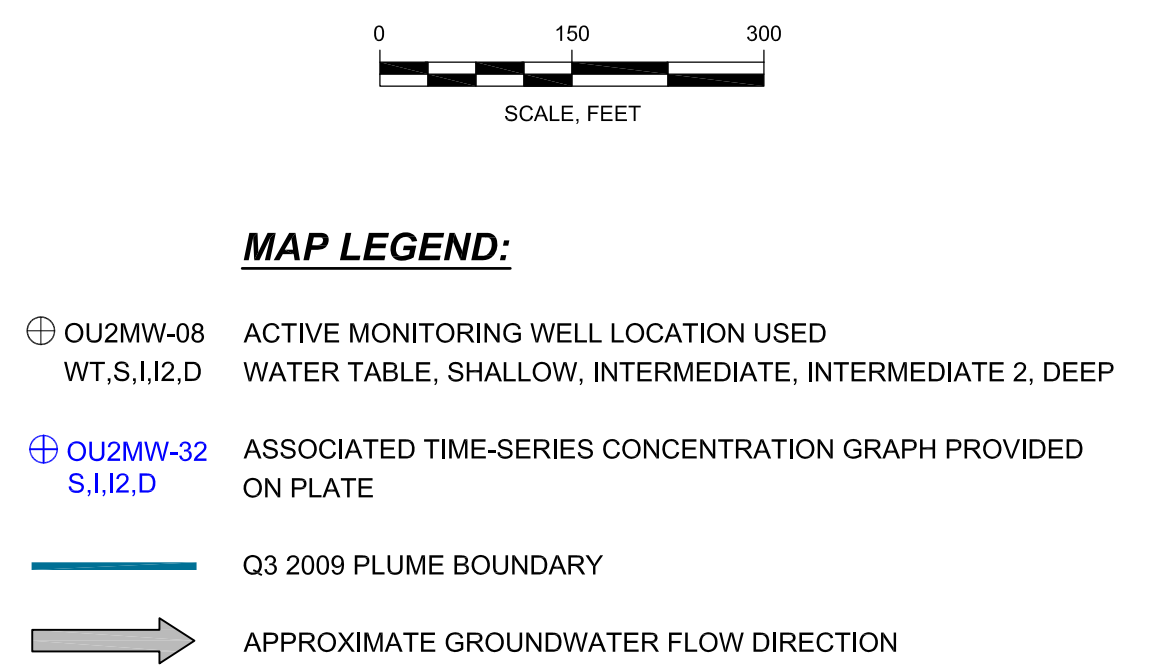
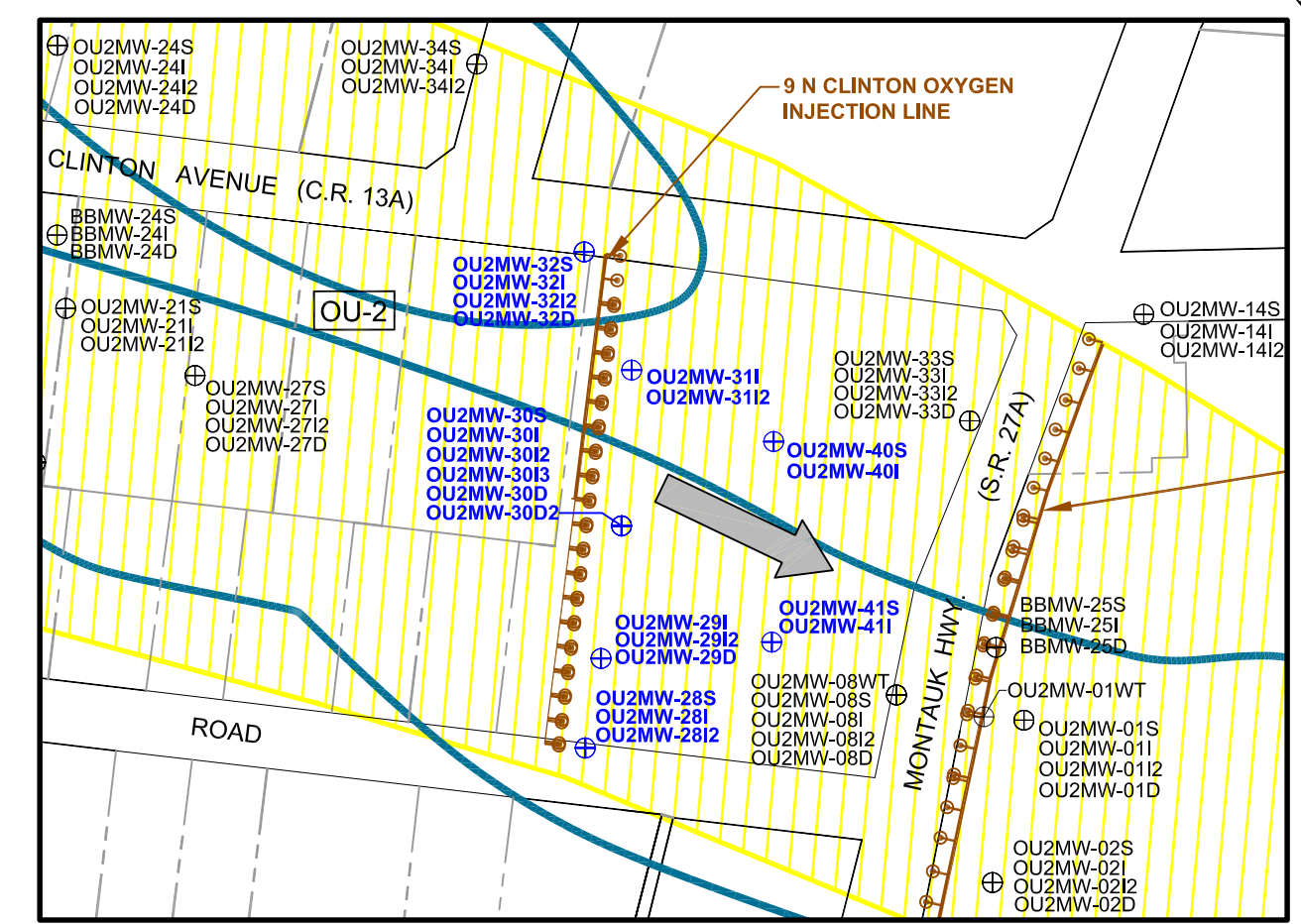
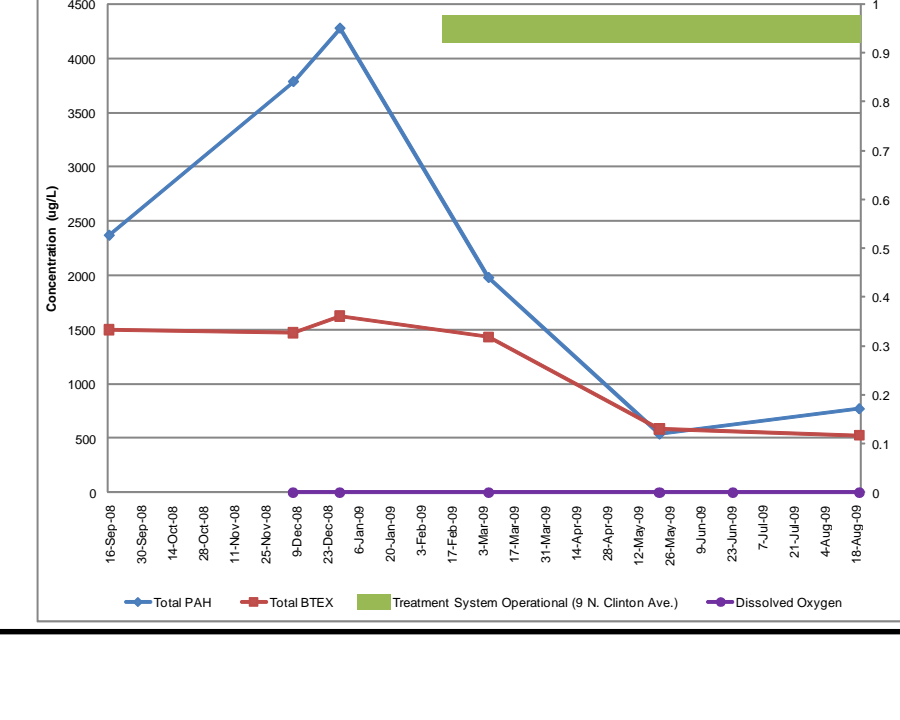
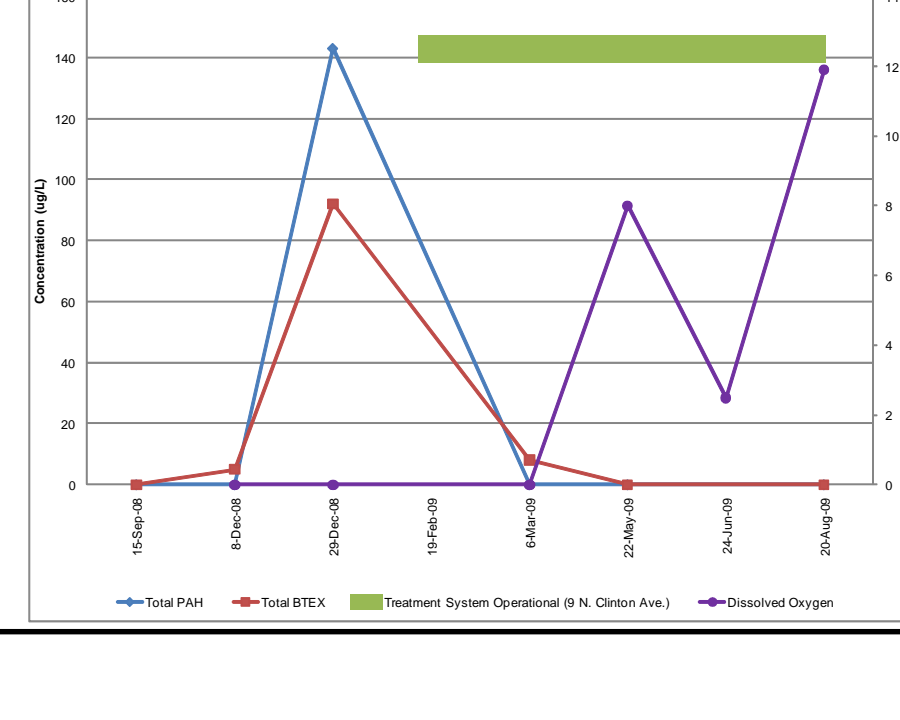
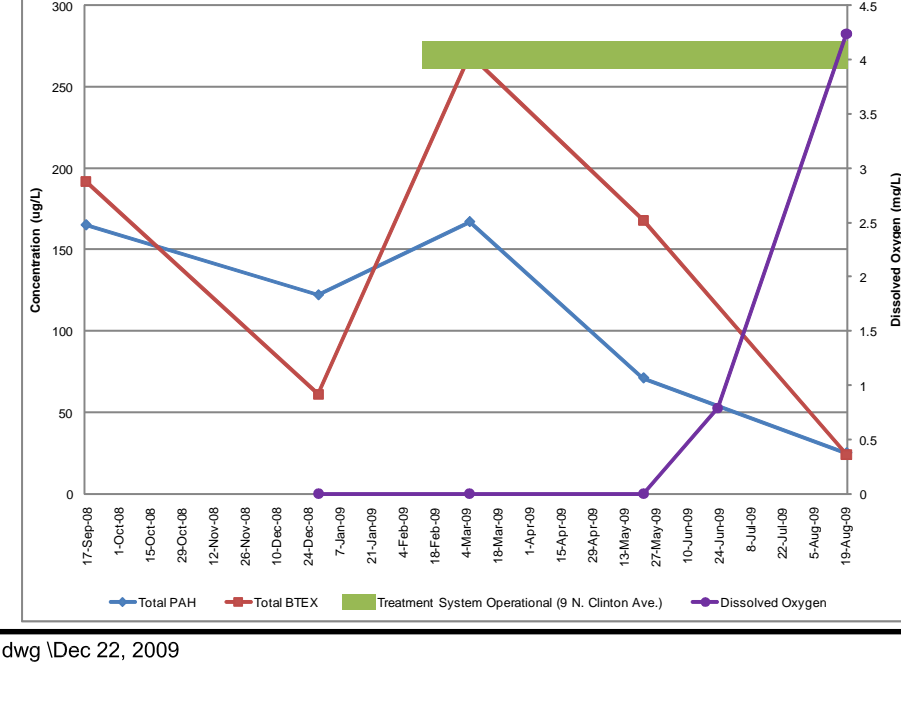
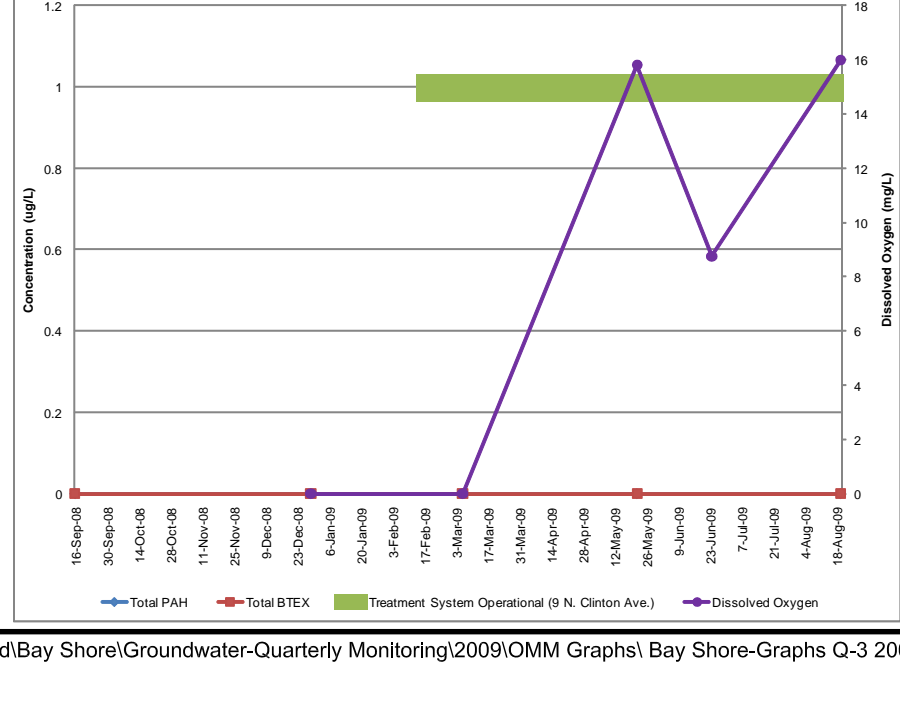
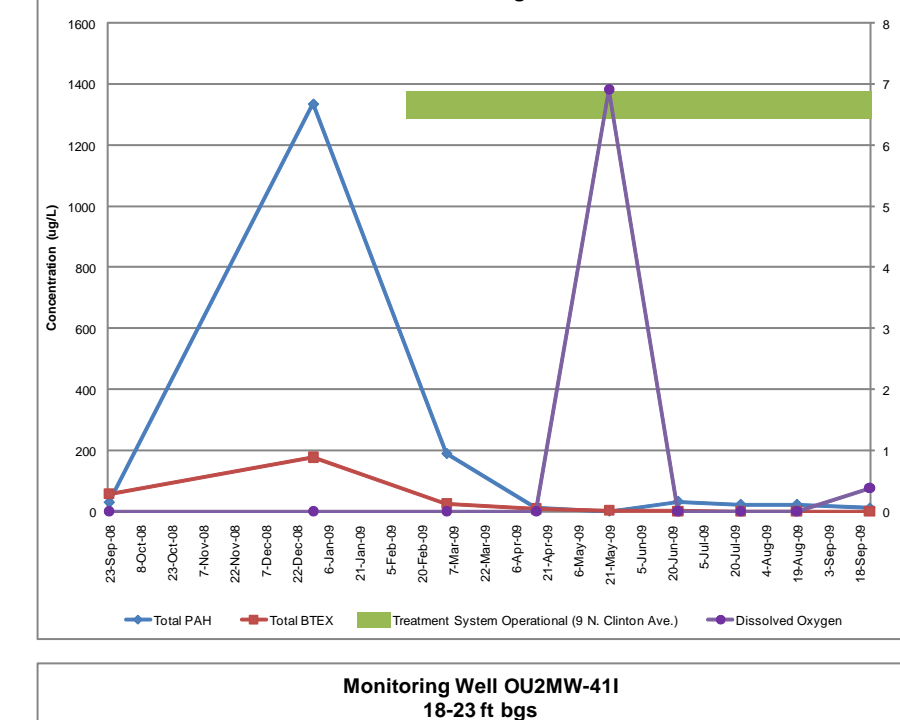
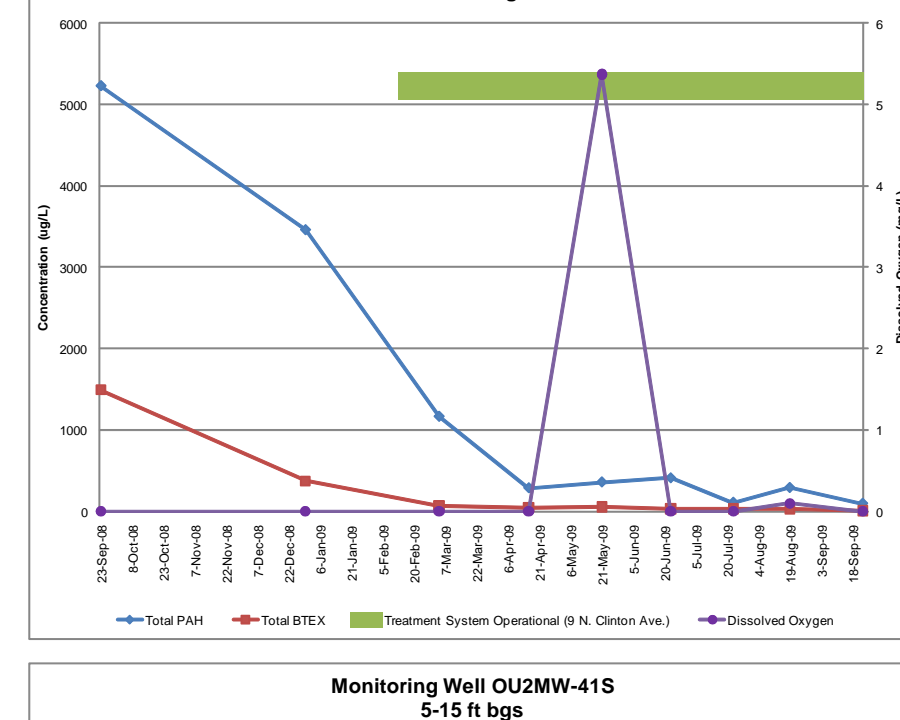
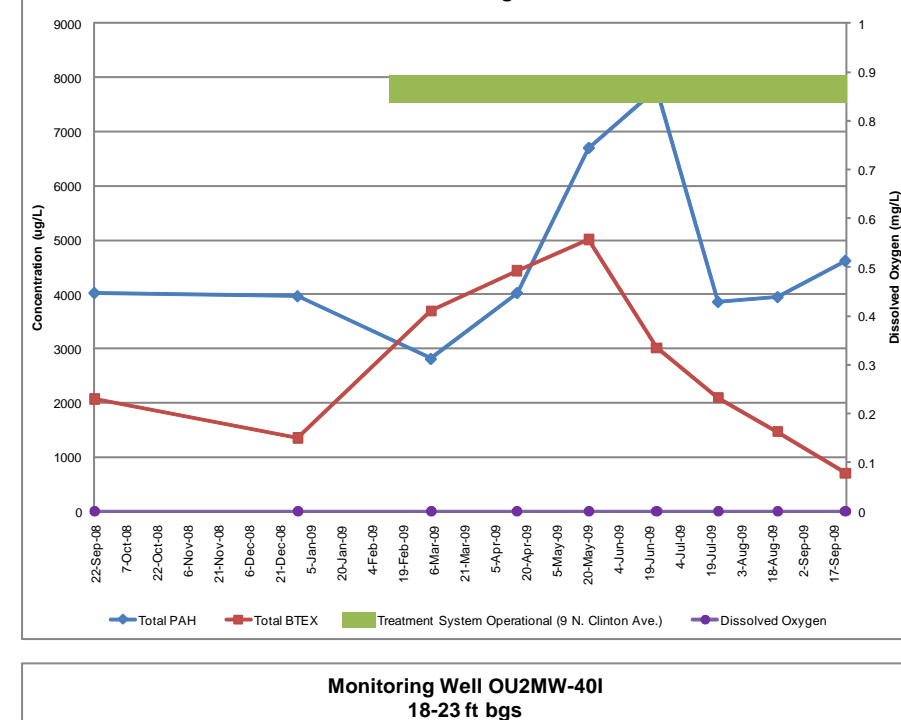
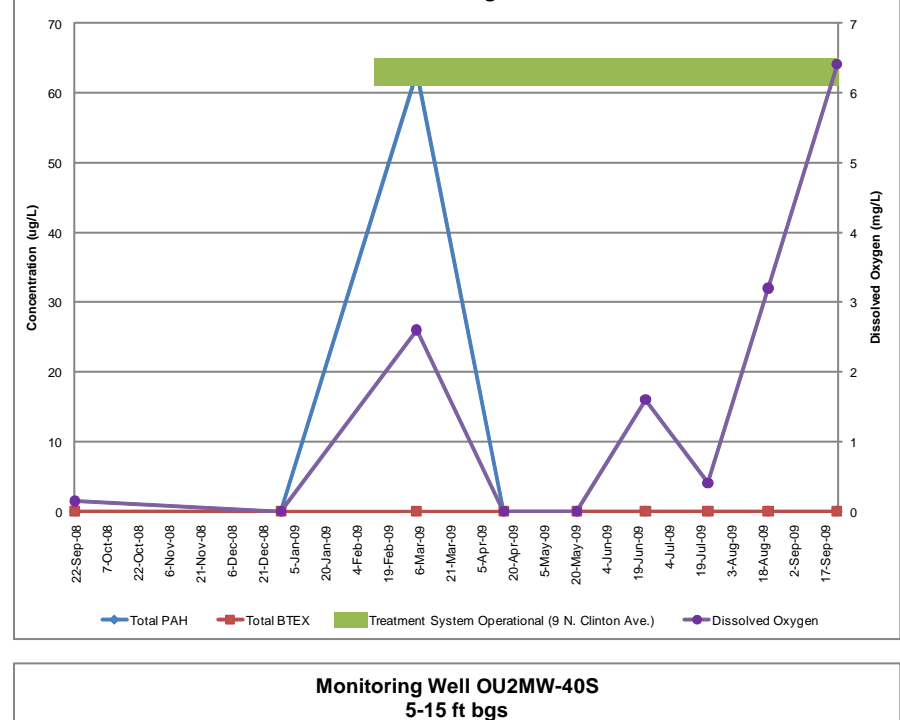
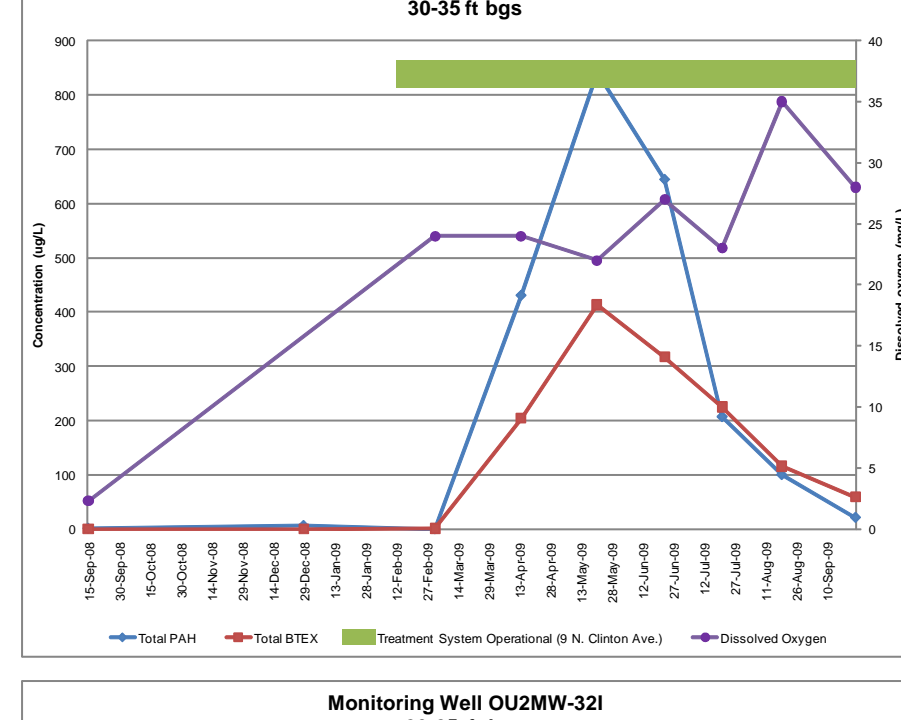
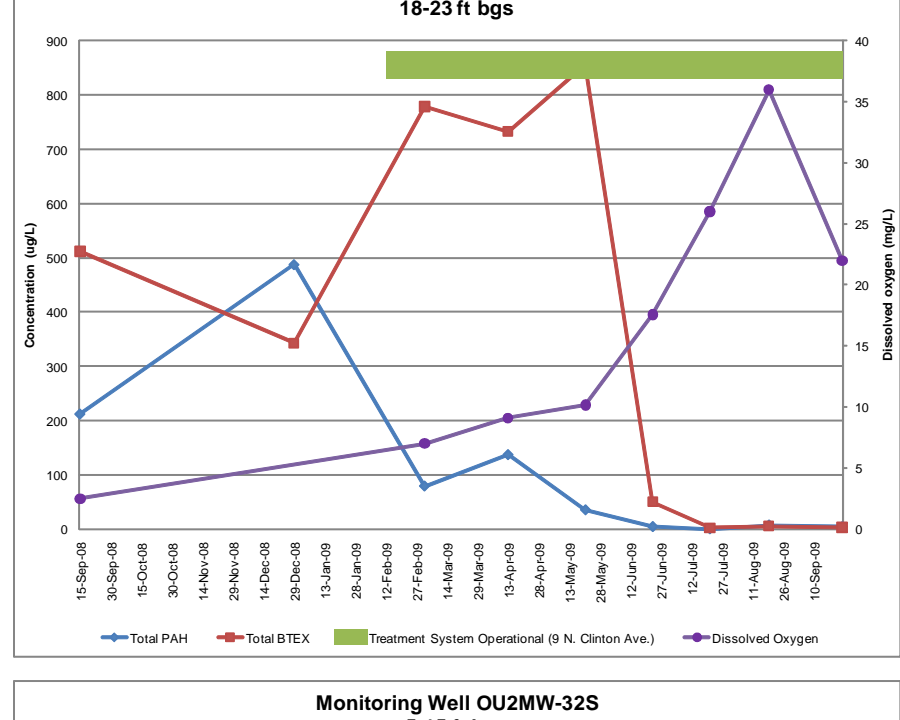
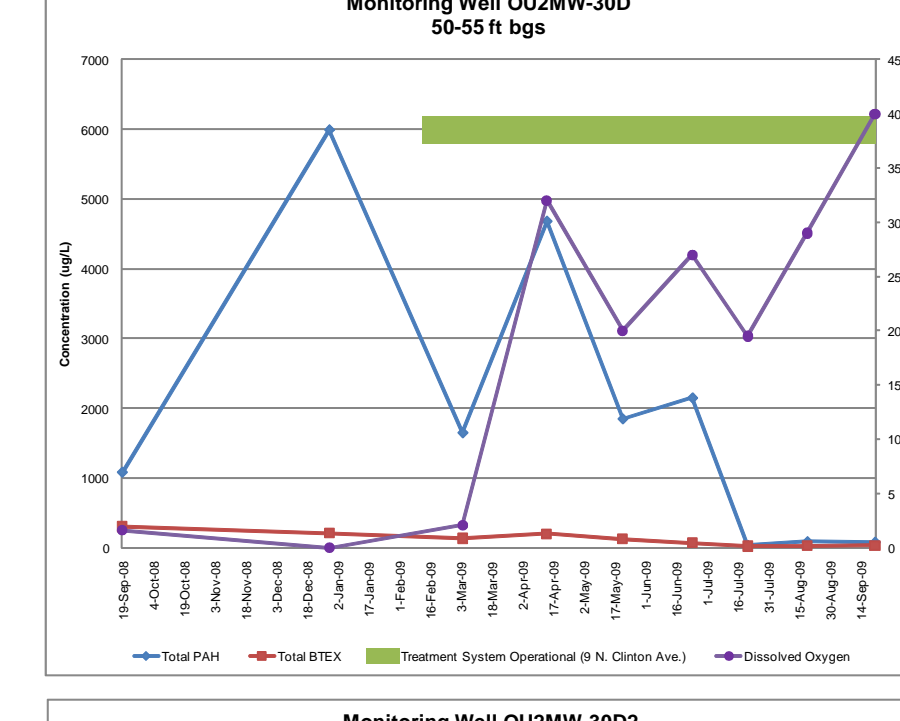
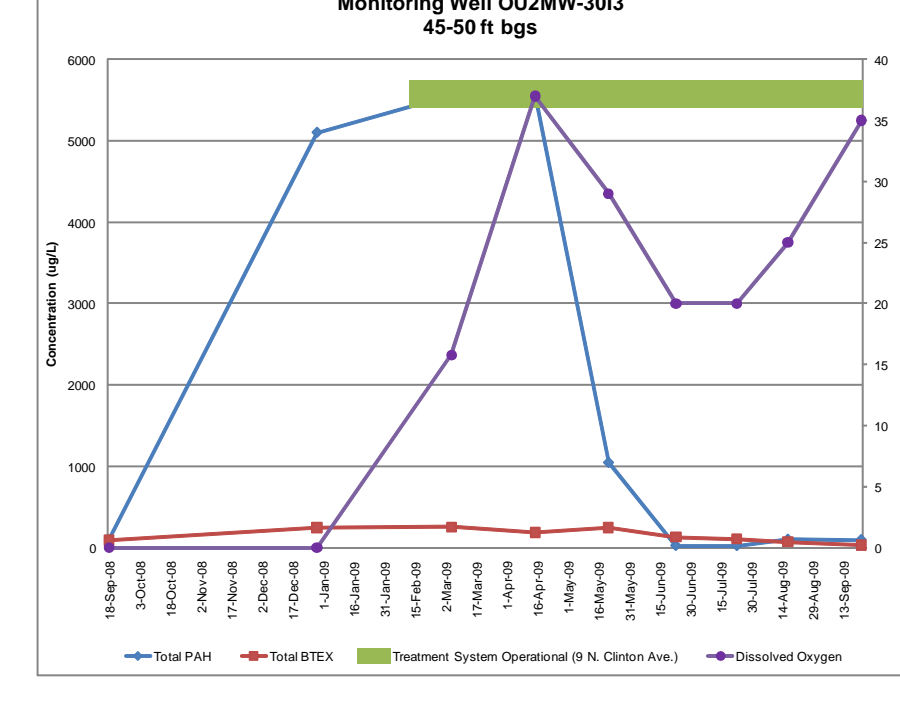
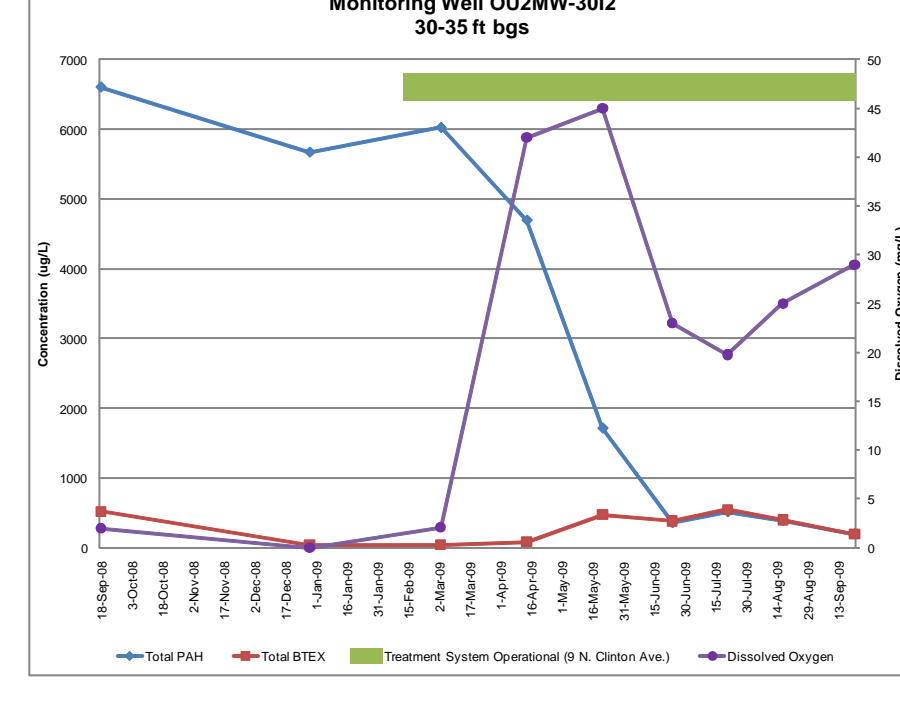
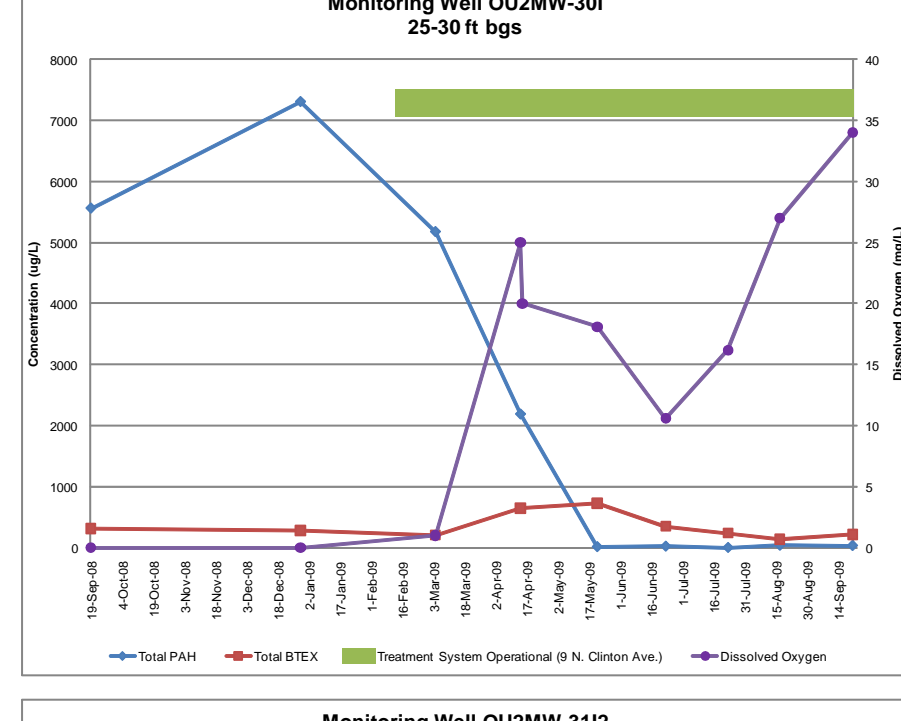
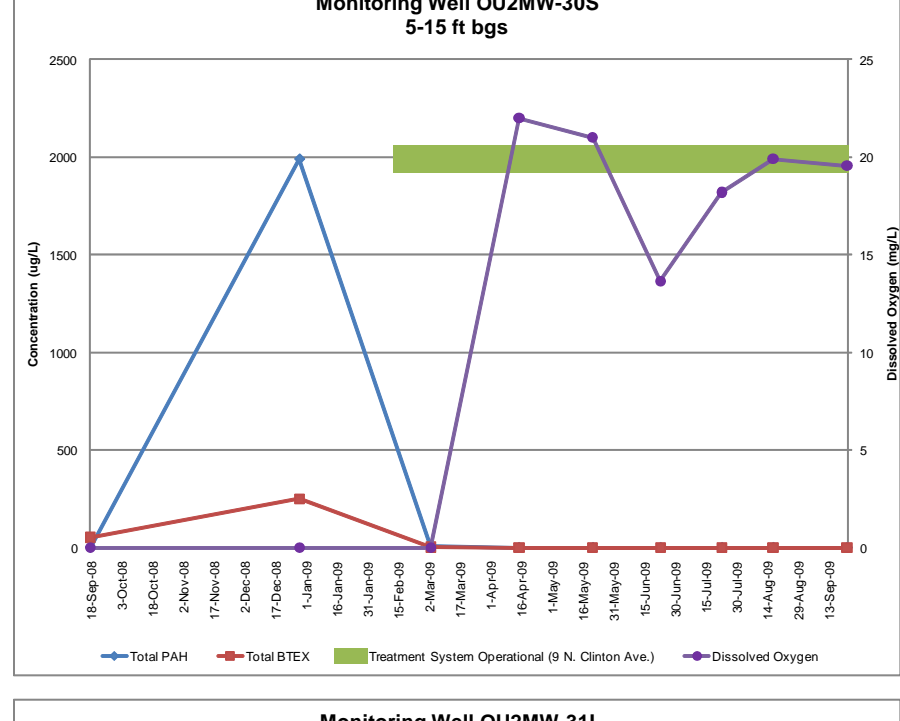
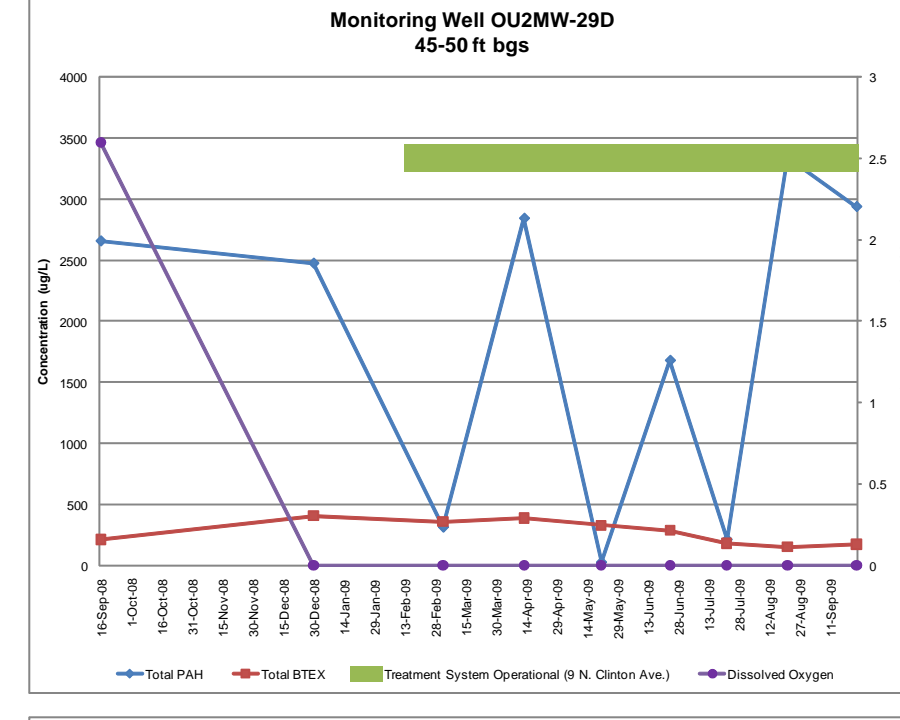
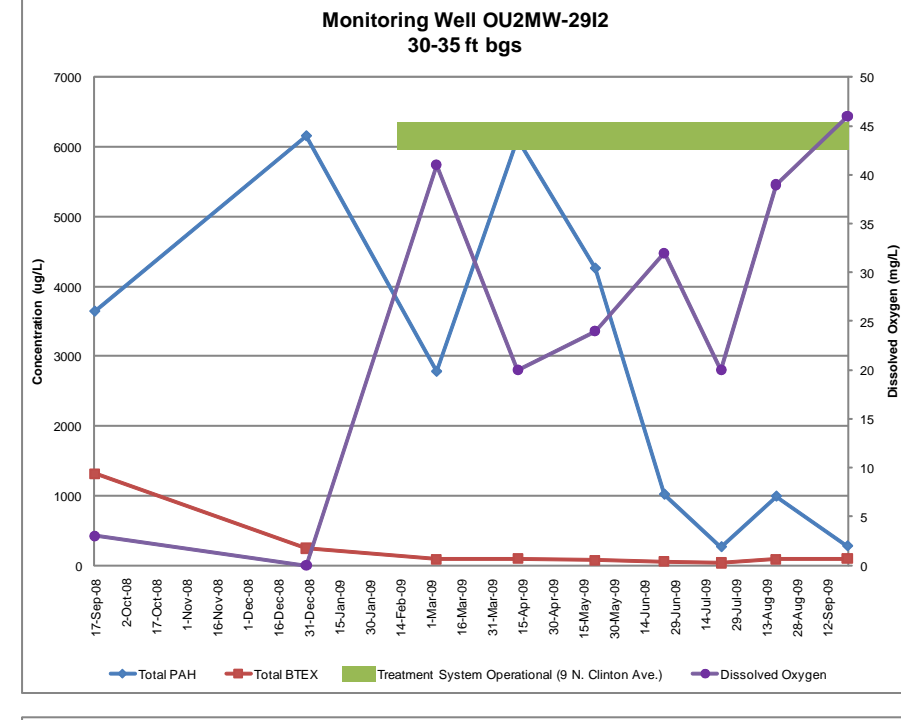
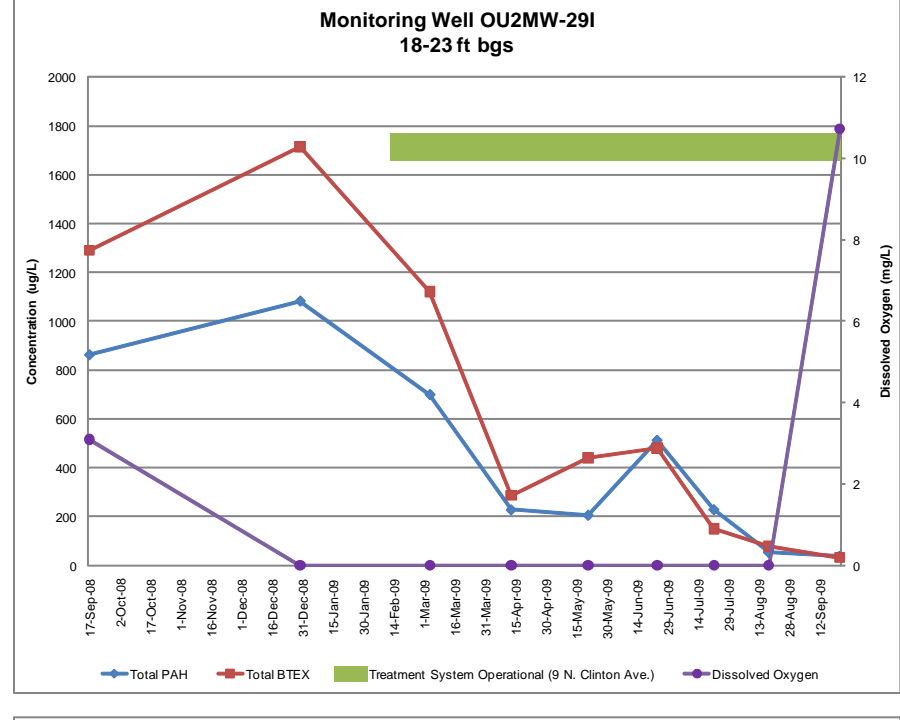
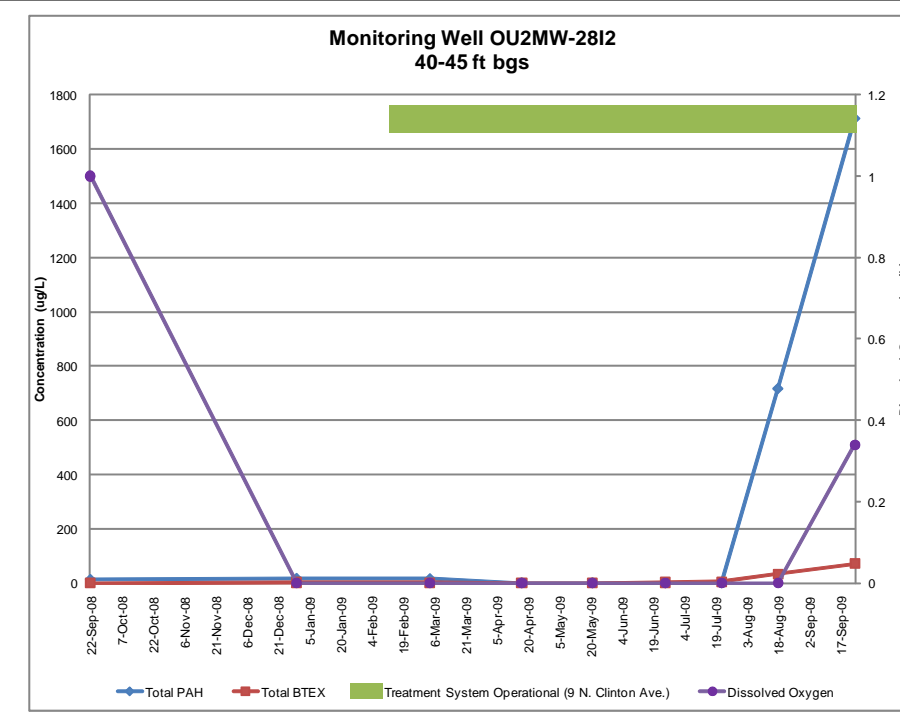
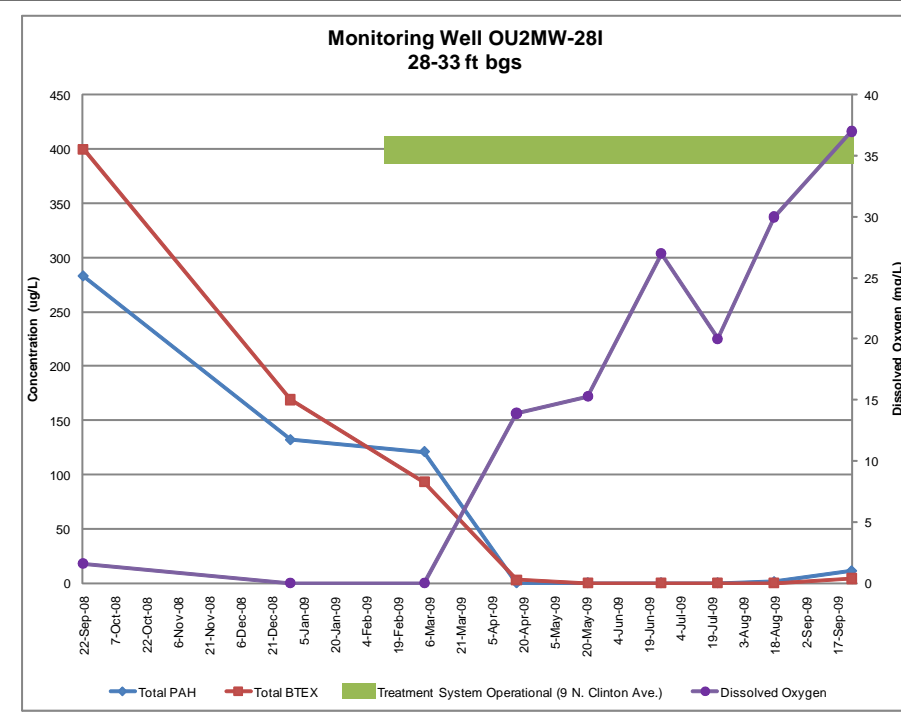
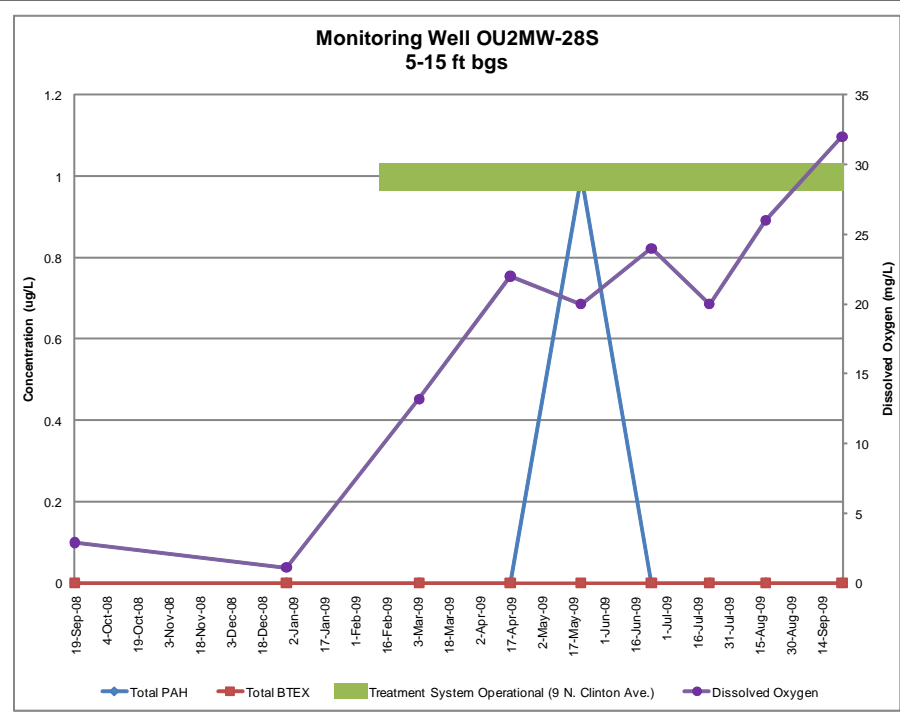
Figure 7



- MAP LEGEND:**
- ⊕ OU2MW-20 S.I.I.2.D ACTIVE MONITORING WELL LOCATION USED SHALLOW, INTERMEDIATE, INTERMEDIATE 2, DEEP
 - ⊕ OU2MW-47 S.I.I.2.D ASSOCIATED TIME-SERIES CONCENTRATION GRAPH PROVIDED ON PLATE
 - Q3 2009 PLUME BOUNDARY
 - APPROXIMATE GROUNDWATER FLOW DIRECTION

- SOURCES:**
1. MAP TITLED "BAY SHORE/BRIGHTWATERS, FORMER MGP SITE FINAL REMEDIAL INVESTIGATION, BAY SHORE, NEW YORK, OFF-SITE SAMPLE LOCATION MAP" DATED: SEPT. 2002 BY DVIRKA AND BARTILUCCI.
 2. FIGURE 2. GROUNDWATER MONITORING WELL AND SURFACE WATER GAUGING STATION LOCATION MAP, BAY SHORE/BRIGHTWATERS FORMER MGP SITE, SCALE: 1"=500' DATED: JANUARY 2004, PREPARED BY VANASSE HANGEN BRUSTLIN, INC., MIDDLETOWN, CONNECTICUT.
 3. DRAWING C-1, OFF-SITE SAMPLE LOCATION MAP, BAY SHORE/BRIGHTWATERS FINAL REMEDIAL INVESTIGATION, SCALE: 1"=200', DATED OCTOBER 15, 2003, PREPARED BY VANASSE HANGEN BRUSTLIN, INC., MIDDLETOWN, CONNECTICUT.
 4. PROPERTY BOUNDARY LOCATIONS WERE DETERMINED BY OTHERS USING AERIAL PHOTOGRAPHS AND TAX MAPS. PROPERTY BOUNDARIES ARE APPROXIMATE AND MONITORING WELLS LOCATED NEAR OR AT PROPERTY BOUNDARIES DEPICTED ON THE MAP ARE WITHIN THE ROAD RIGHT-OF-WAY.

<p>BAY SHORE/BRIGHTWATERS FORMER MGP SITE BAY SHORE, NEW YORK</p> <p>nationalgrid</p> <p>Project 093180-5-1506</p>	<p>GEI Consultants 110 WALT WHITMAN ROAD SUITE 204 HUNTINGTON STATION, NY 11746</p>	<p>34 N. CLINTON AVENUE OXYGEN INJECTION LINE GROUNDWATER LINE</p> <p>December 2009 Figure 8</p>
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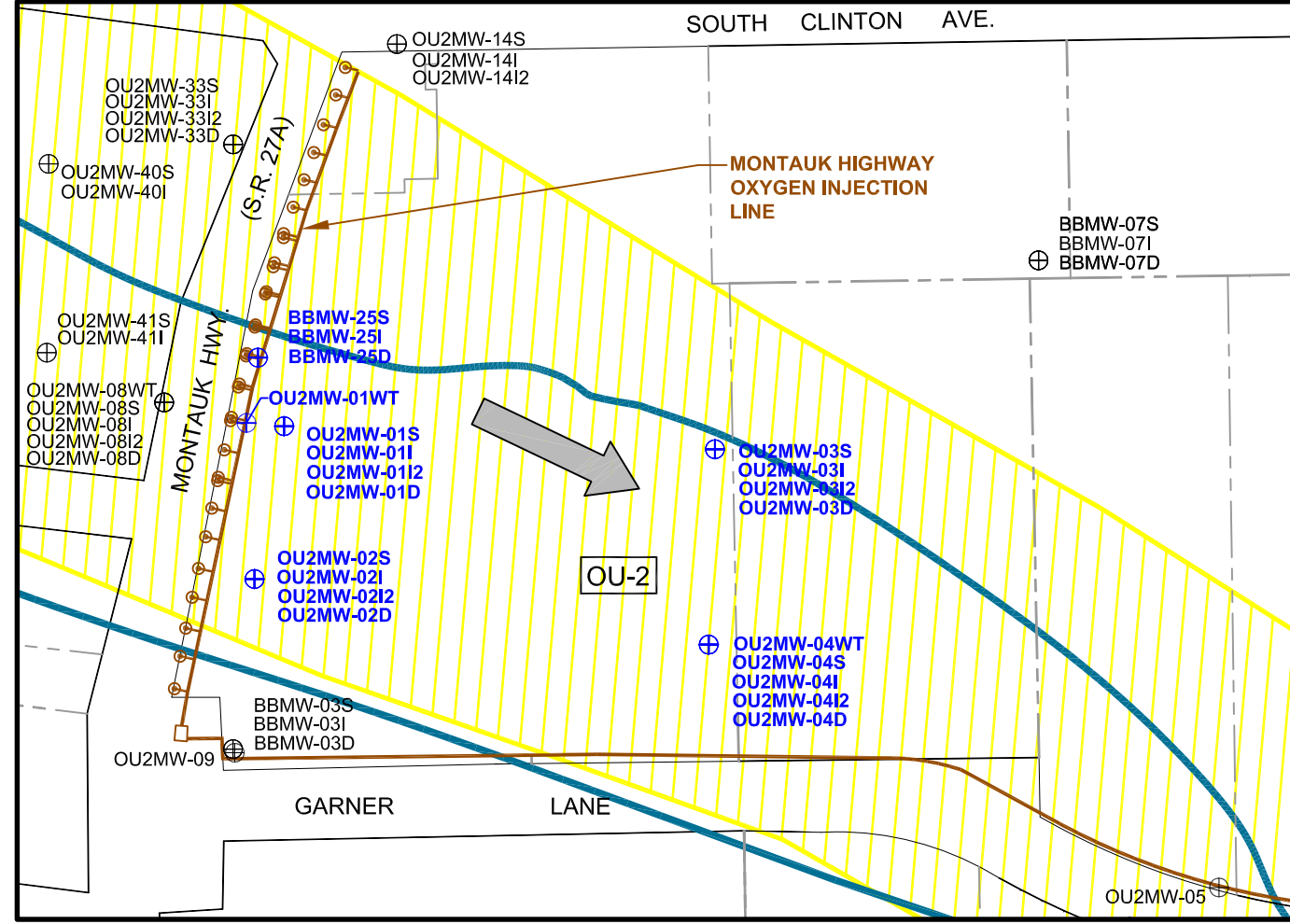


- SOURCES:**
1. MAP TITLED "BAY SHORE/BRIGHTWATERS, FORMER MGP SITE FINAL REMEDIAL INVESTIGATION, BAY SHORE, NEW YORK, OFF-SITE SAMPLE LOCATION MAP" DATED: SEPT. 2002 BY DVRKA AND BARTILUCCI.
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BAY SHORE/BRIGHTWATERS
FORMER MGP SITE
BAY SHORE, NEW YORK
nationalgrid
Project 093180-5-1506



**9 N. CLINTON AVENUE
OXYGEN INJECTION LINE
GROUNDWATER DATA**



MAP LEGEND:

- ⊕ OU2MW-08 ACTIVE MONITORING WELL LOCATION
WT, S, I, I, 2, D WATER TABLE, SHALLOW, INTERMEDIATE, INTERMEDIATE 2, DEEP
- ⊕ OU2MW-02 ASSOCIATED TIME-SERIES CONCENTRATION GRAPH PROVIDED ON PLATE
- Q3 2009 PLUME BOUNDARY
- ➔ APPROXIMATE GROUNDWATER FLOW DIRECTION

SOURCES:

1. MAP TITLED "BAY SHORE/BRIGHTWATERS, FORMER MGP SITE FINAL REMEDIAL INVESTIGATION MAP, BAY SHORE/BRIGHTWATERS FORMER MGP SITE, SCALE: 1"=200', DATED JANUARY 2004, PREPARED BY VANASSE HANGEN BRUSTLIN, INC., MIDDLETOWN, CONNECTICUT.
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BAY SHORE/BRIGHTWATERS
FORMER MGP SITE
BAY SHORE, NEW YORK

nationalgrid

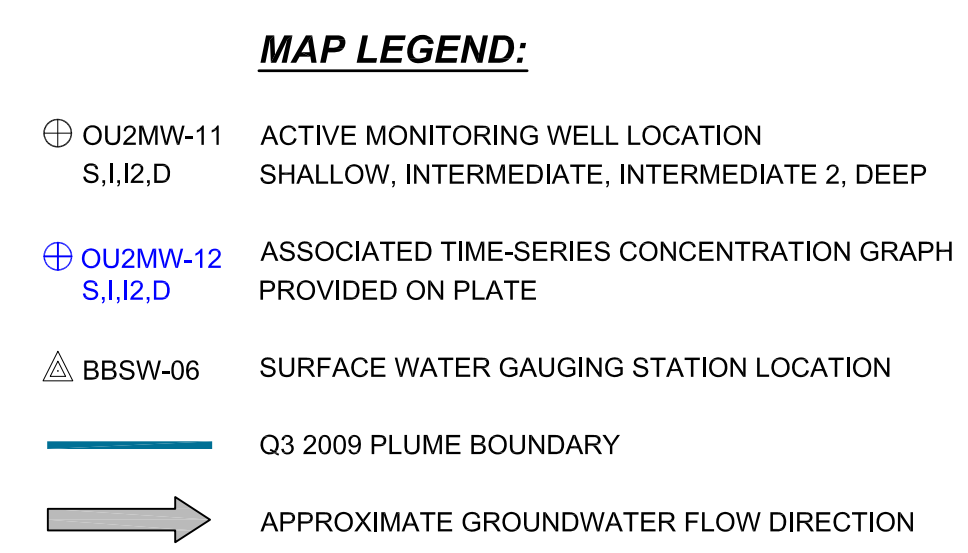
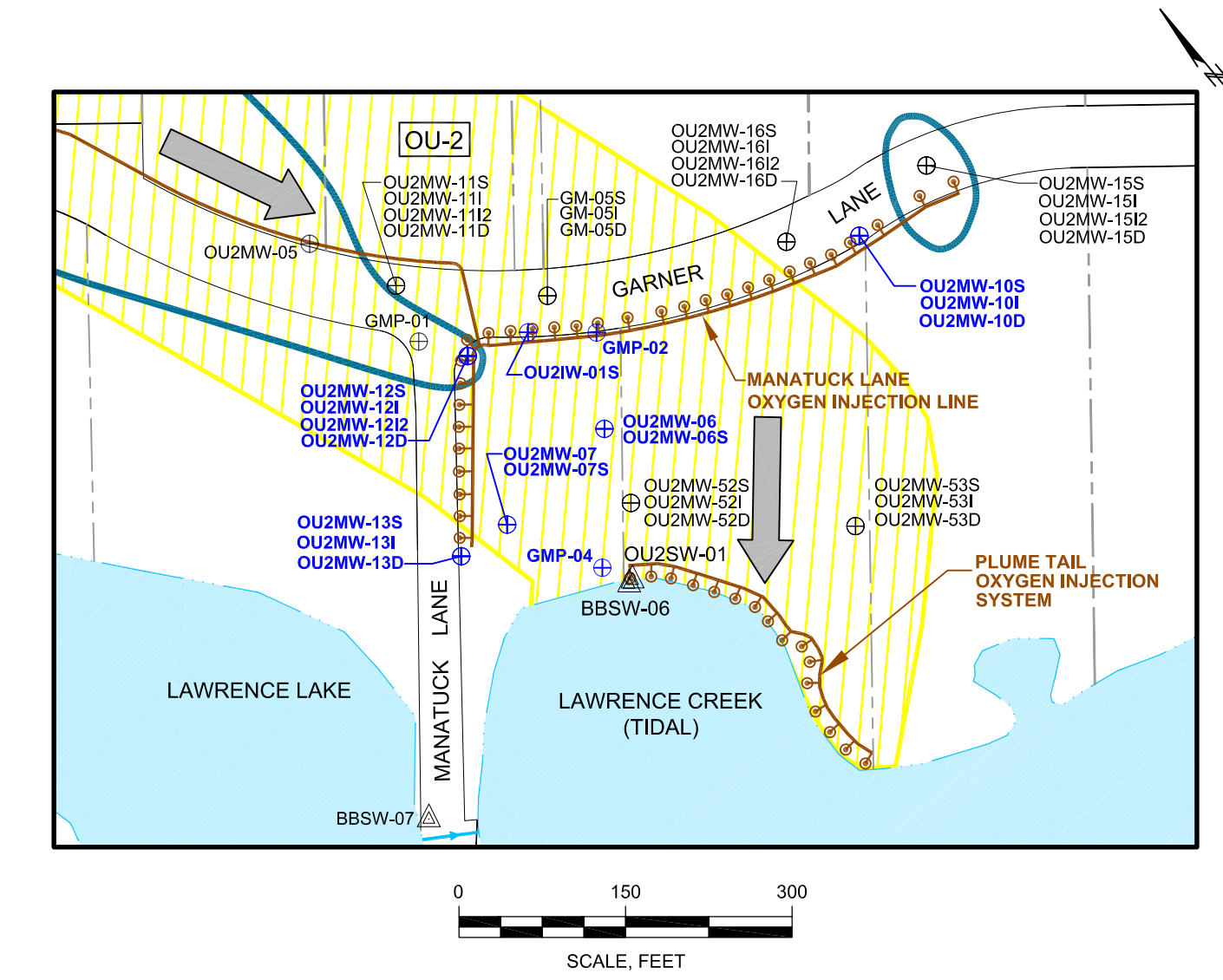
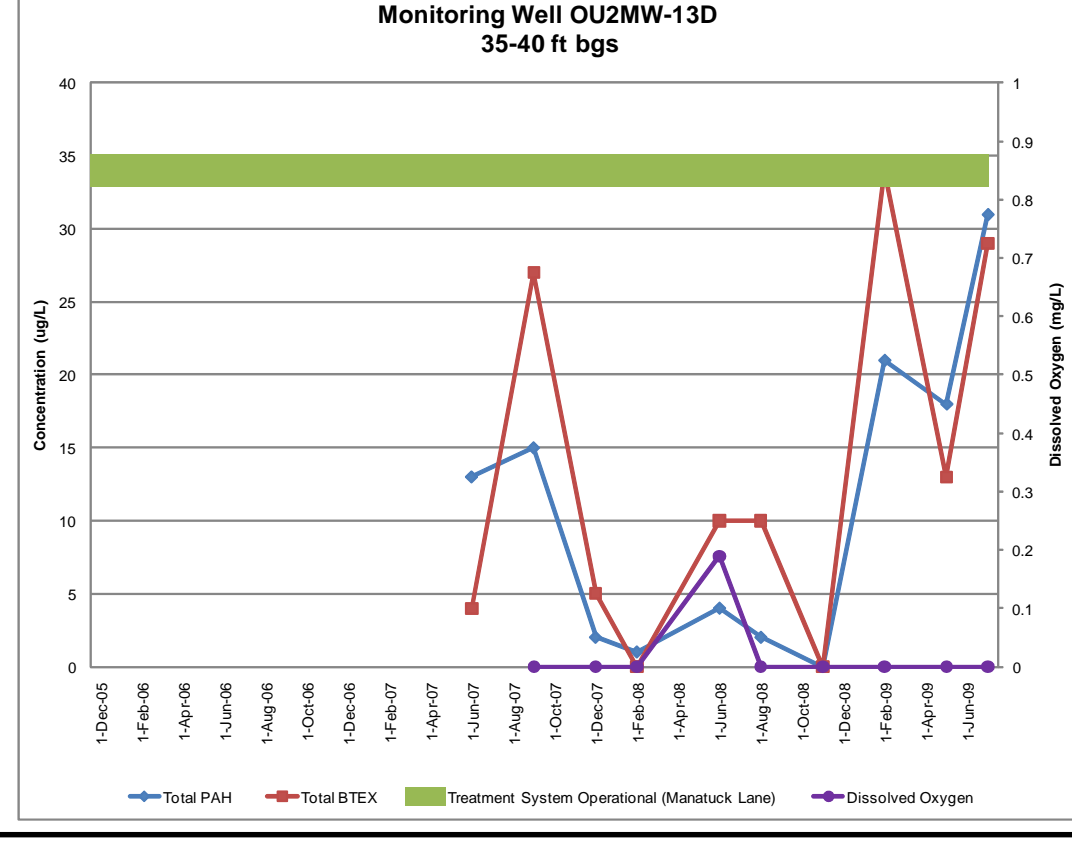
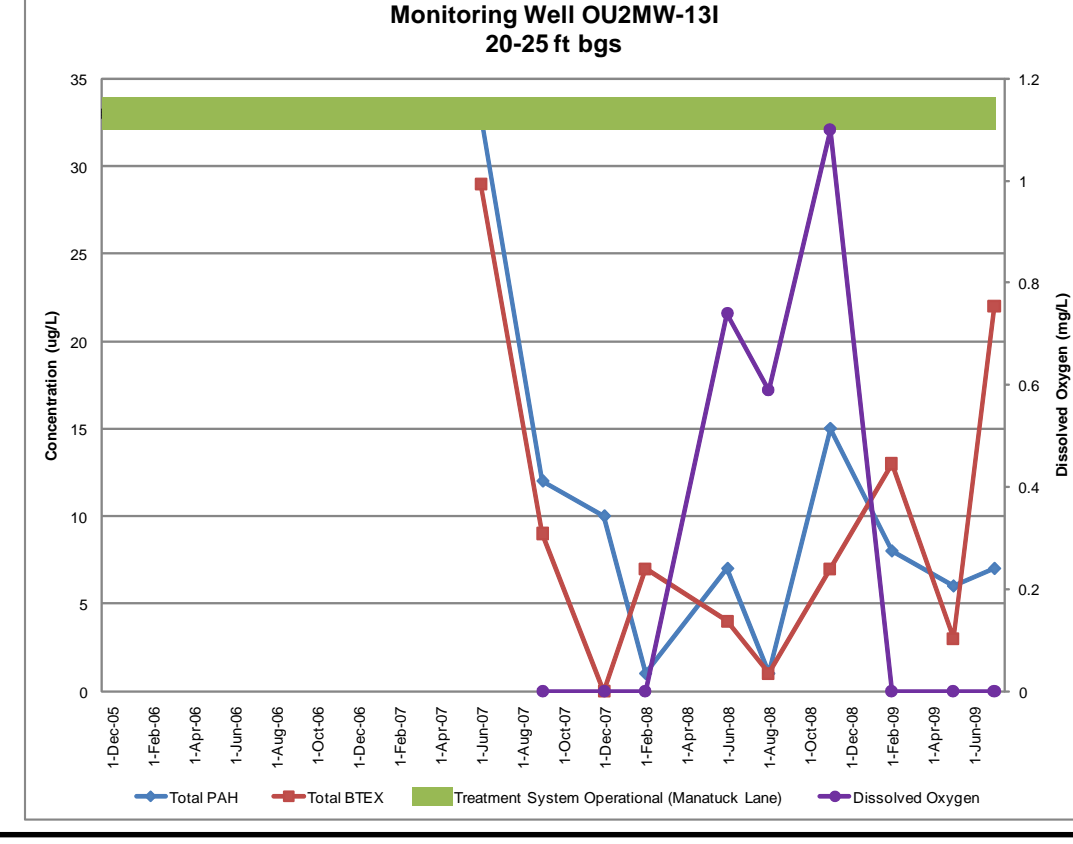
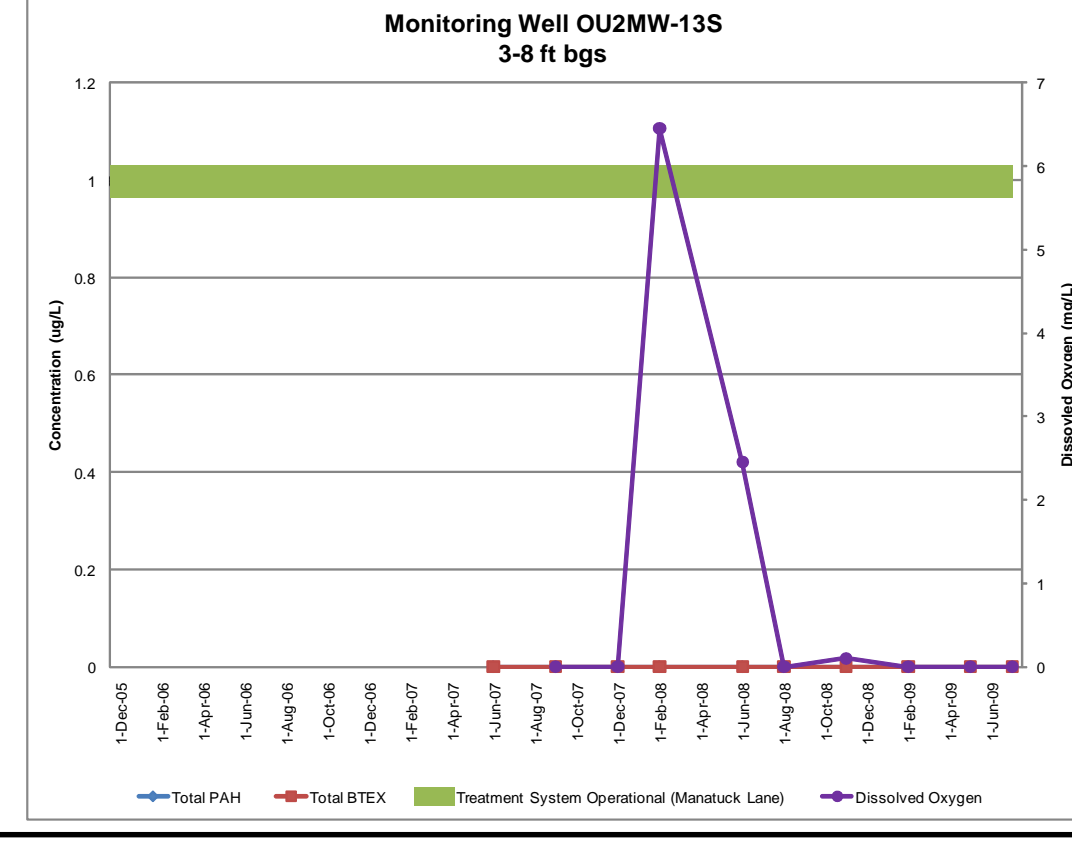
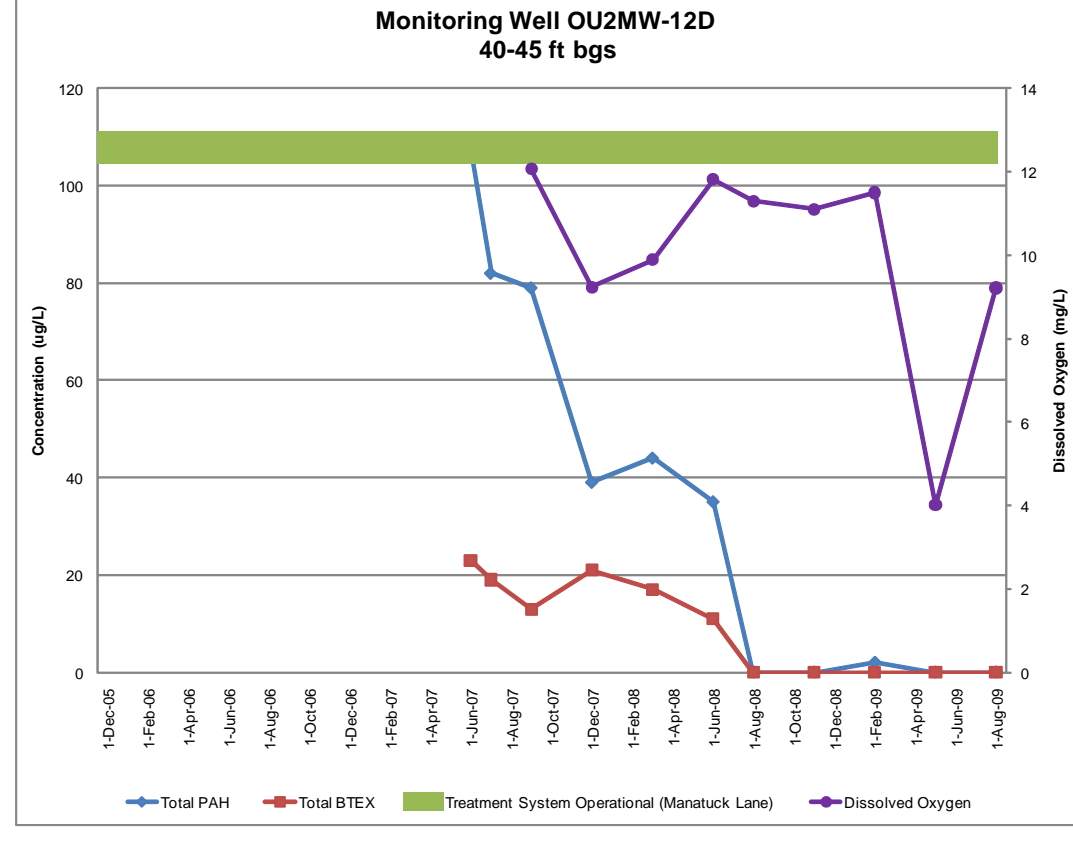
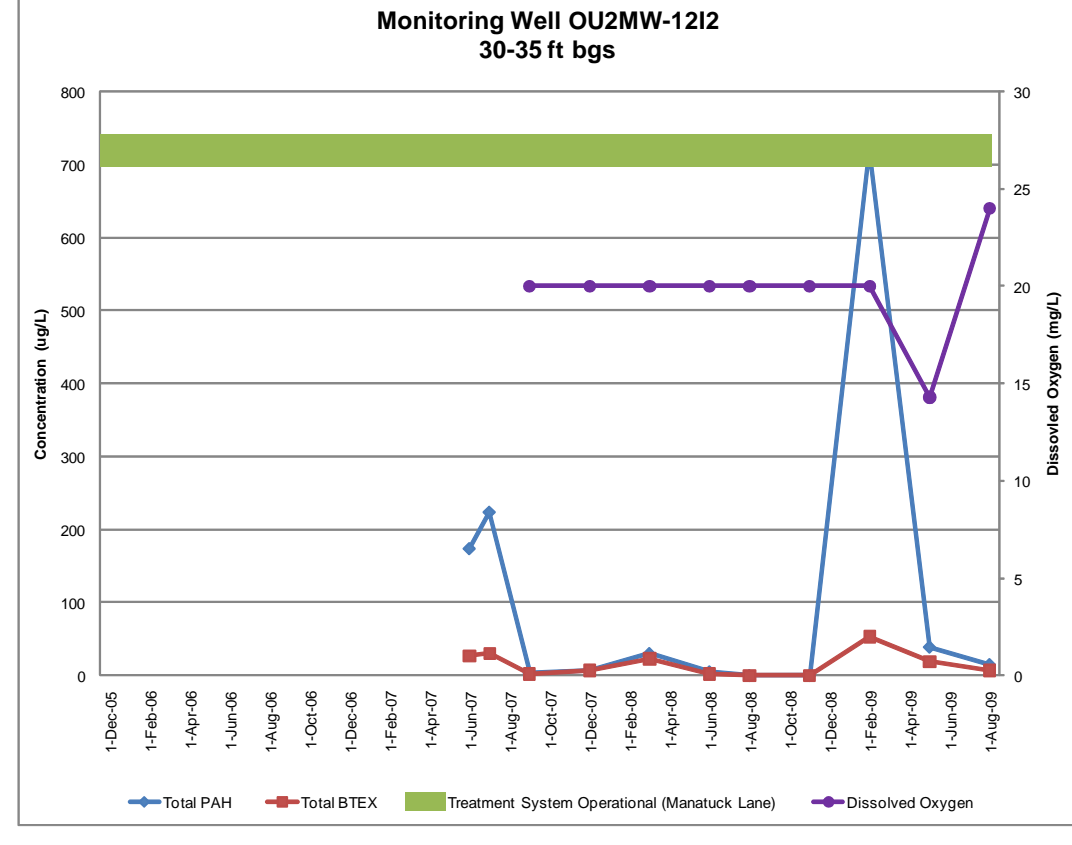
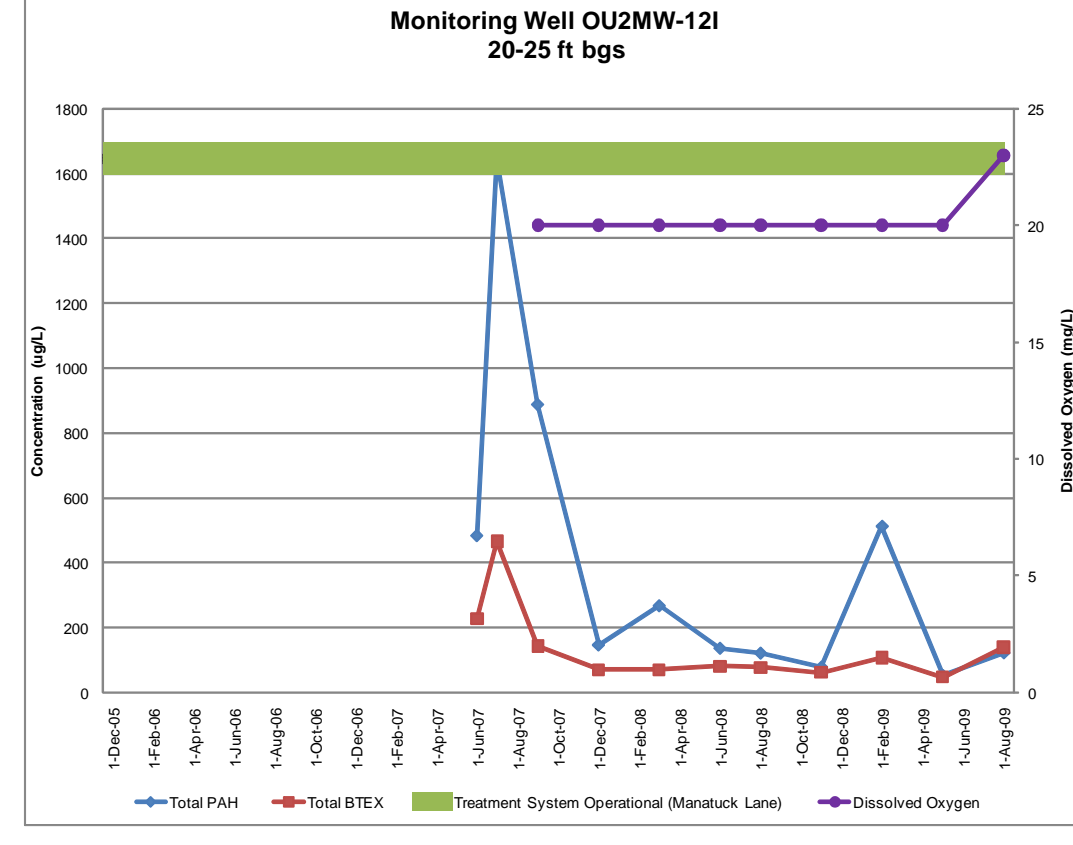
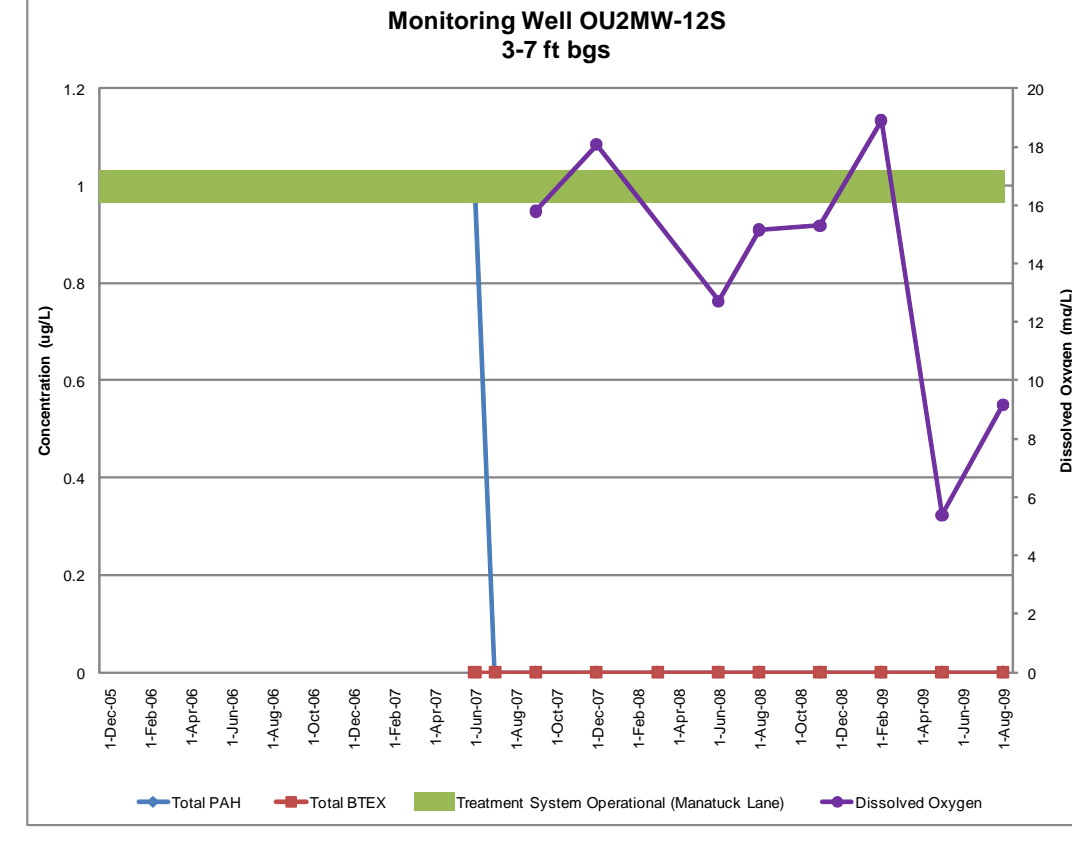
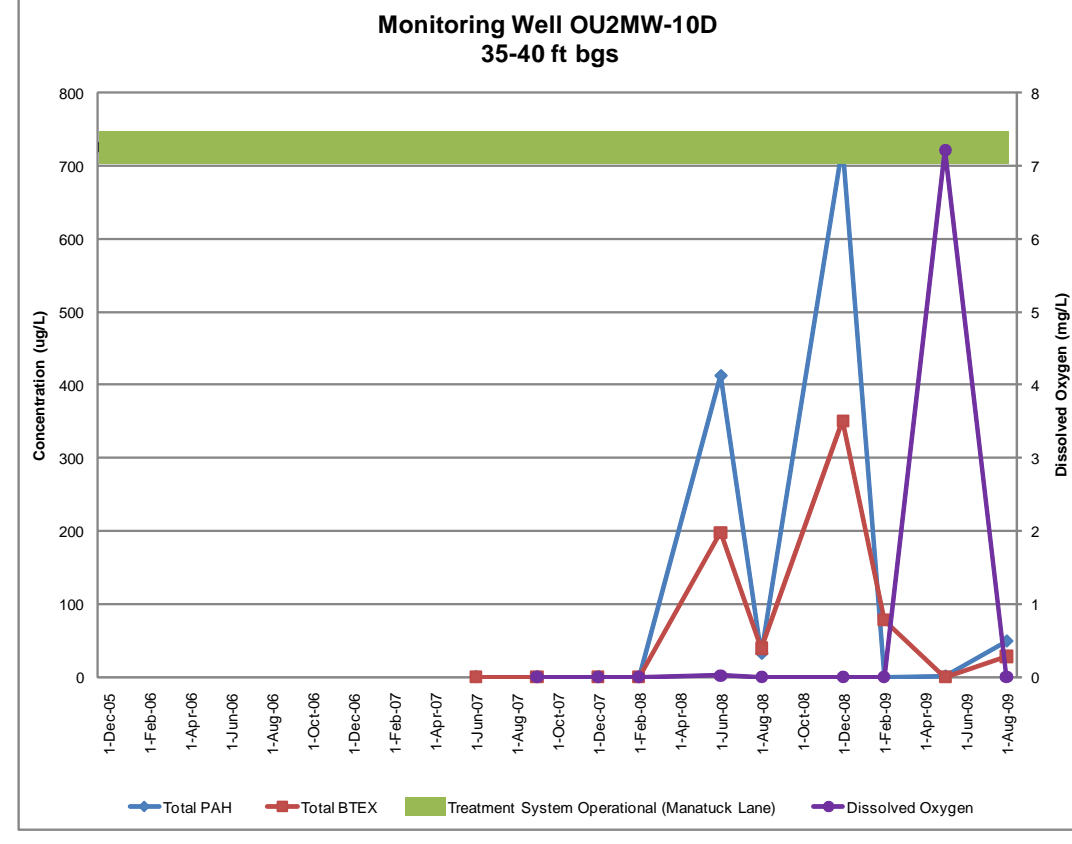
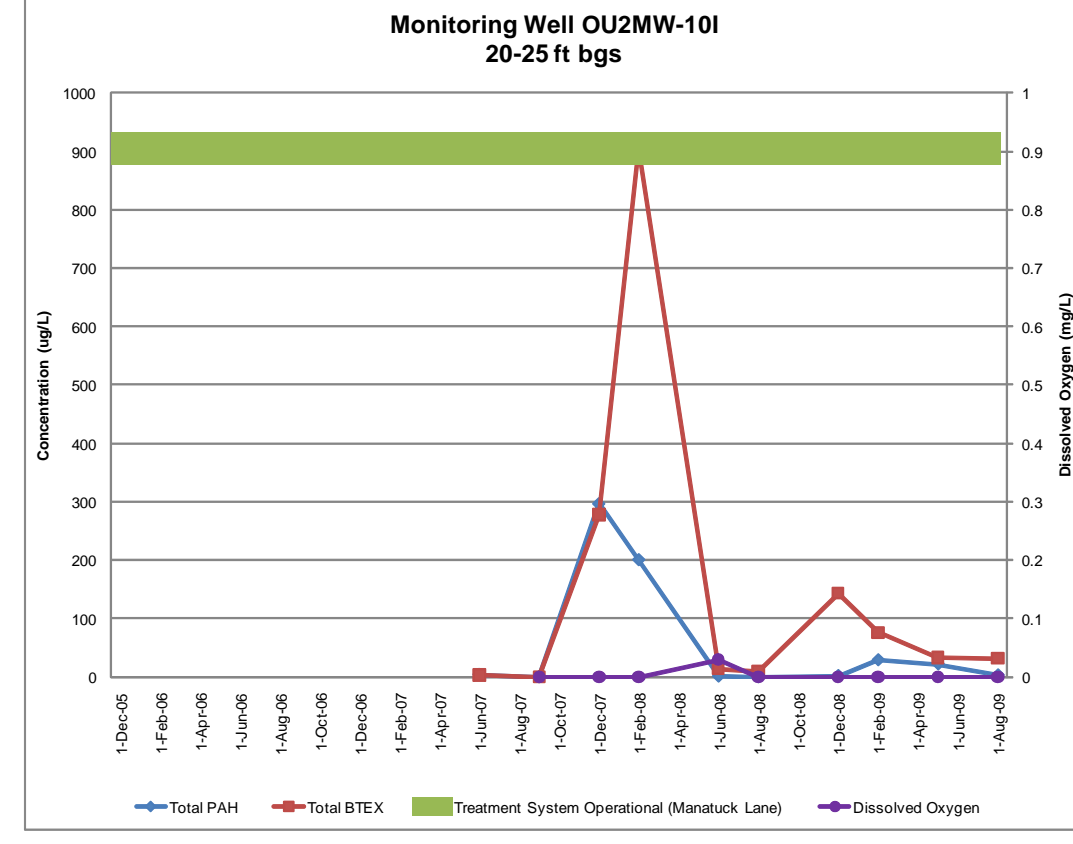
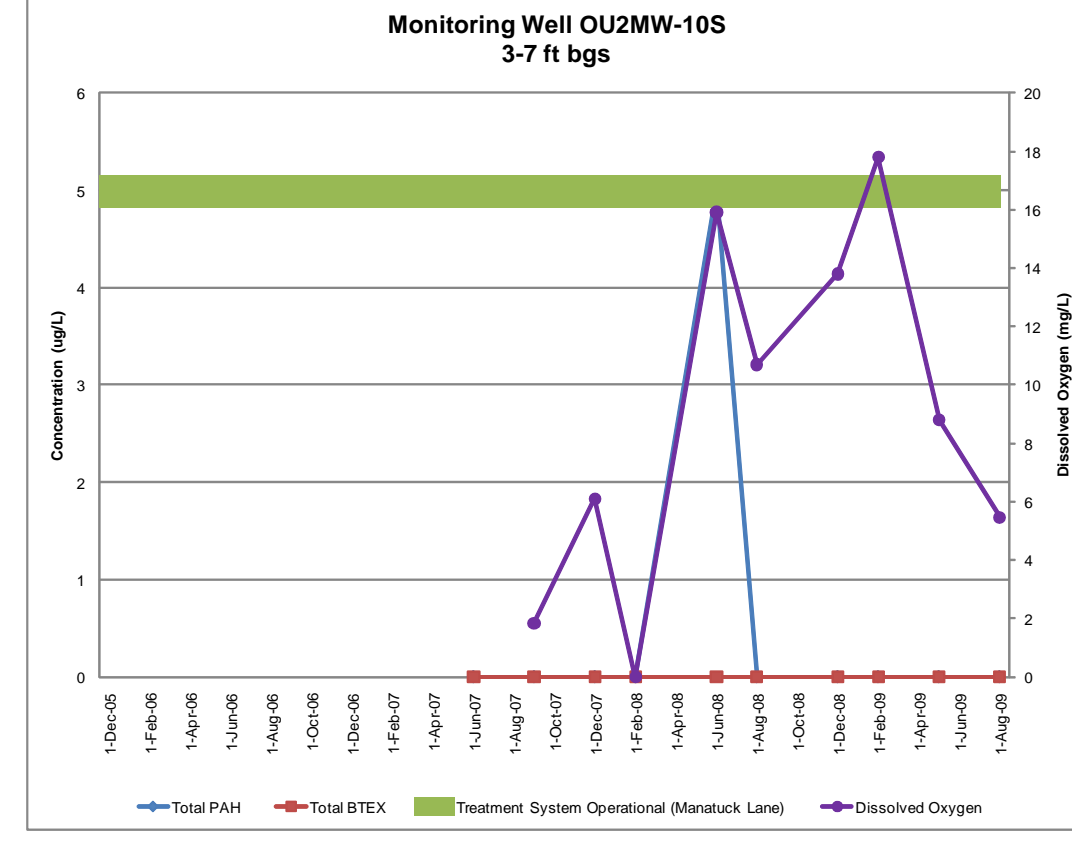
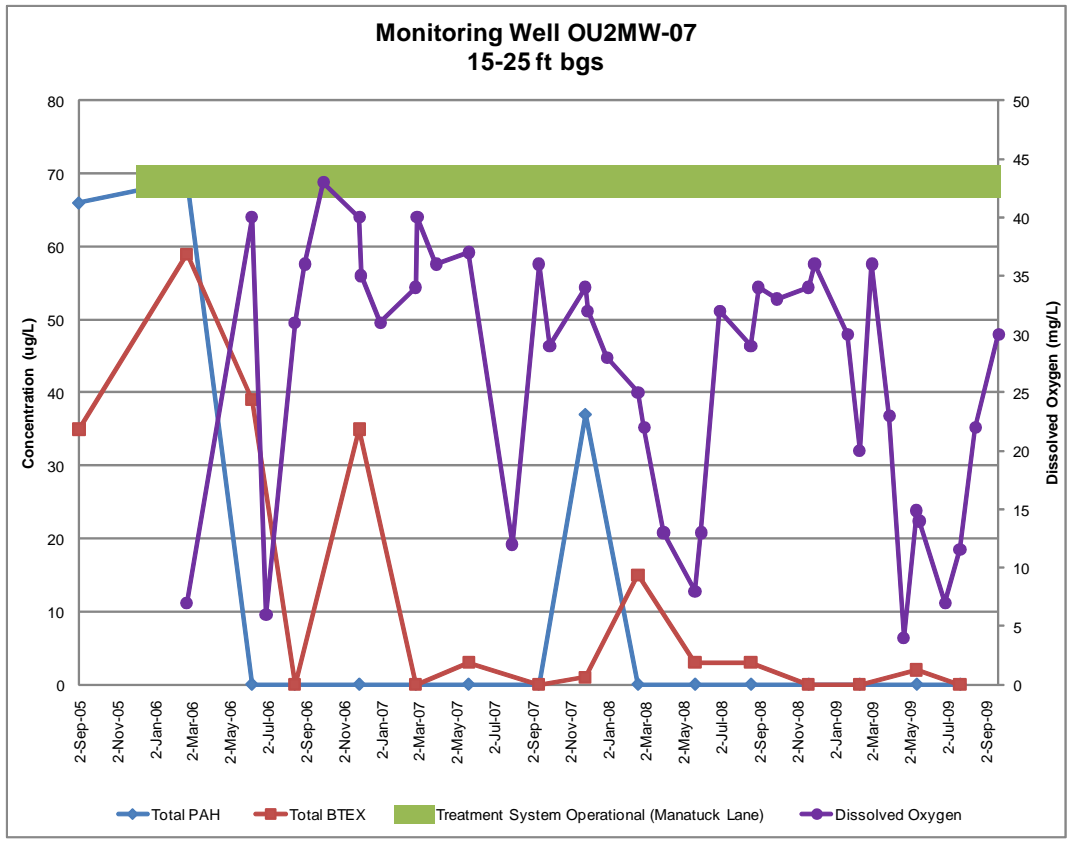
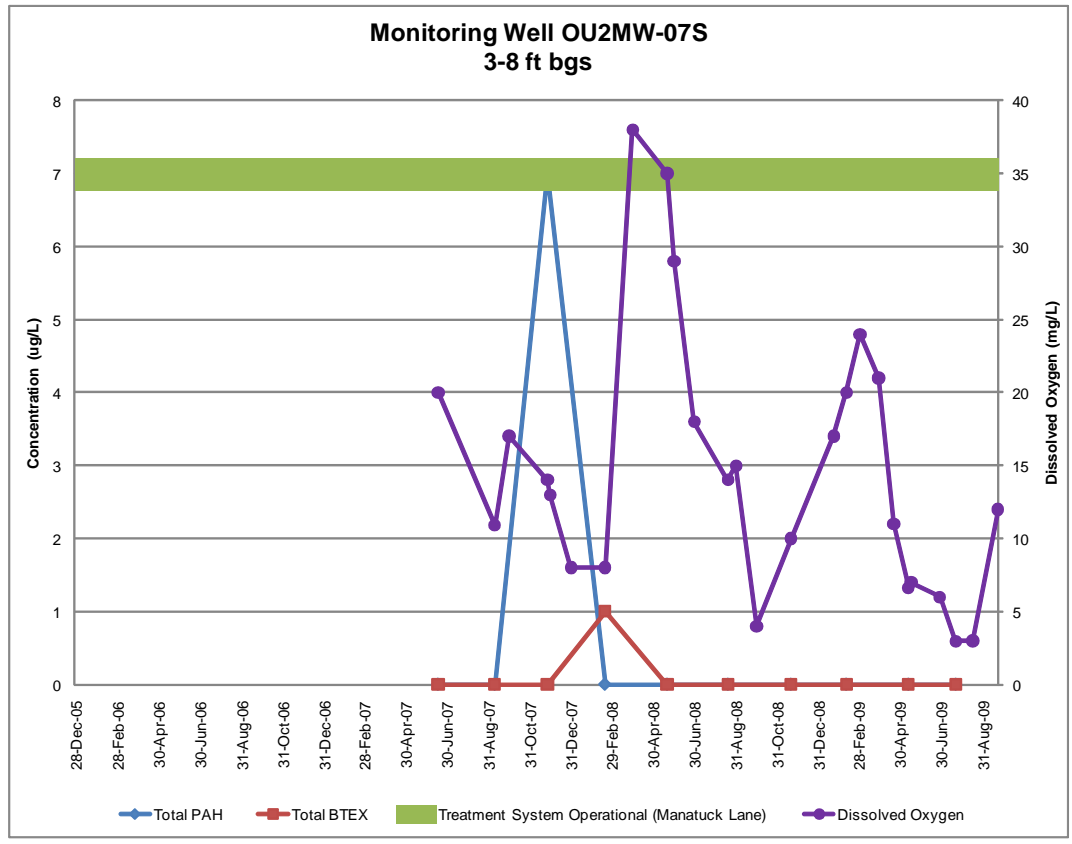
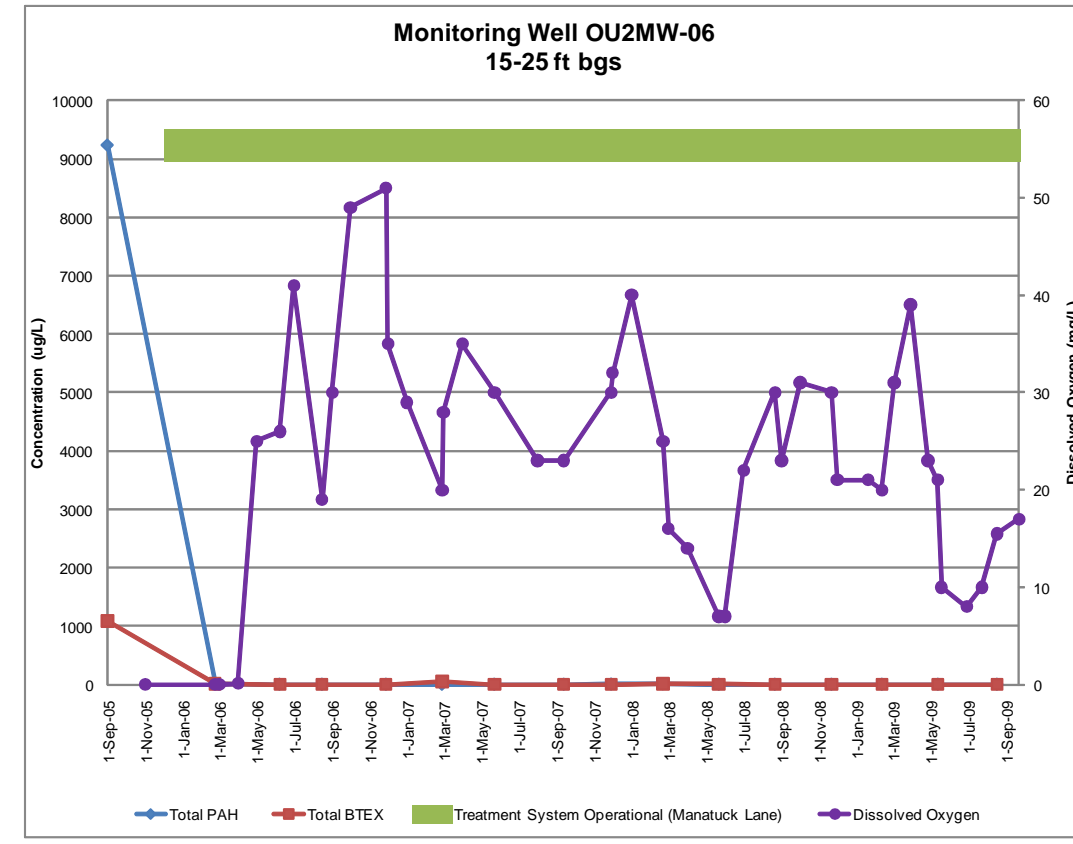
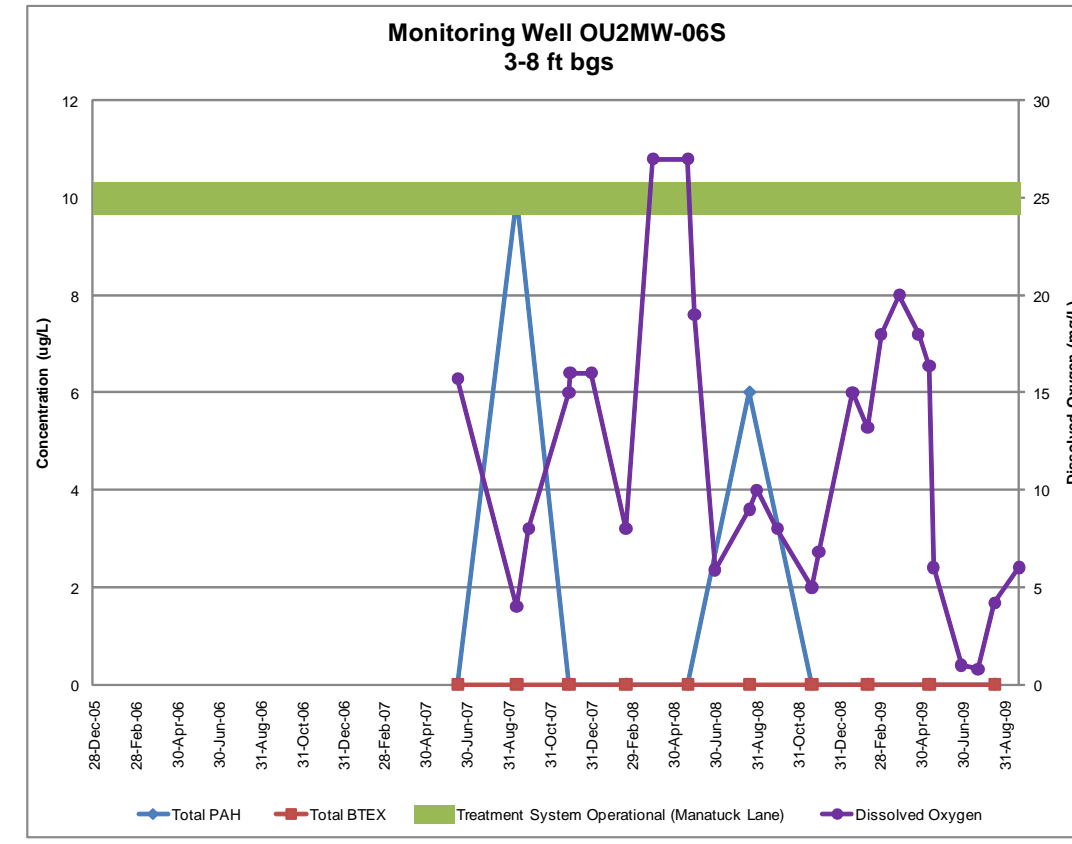
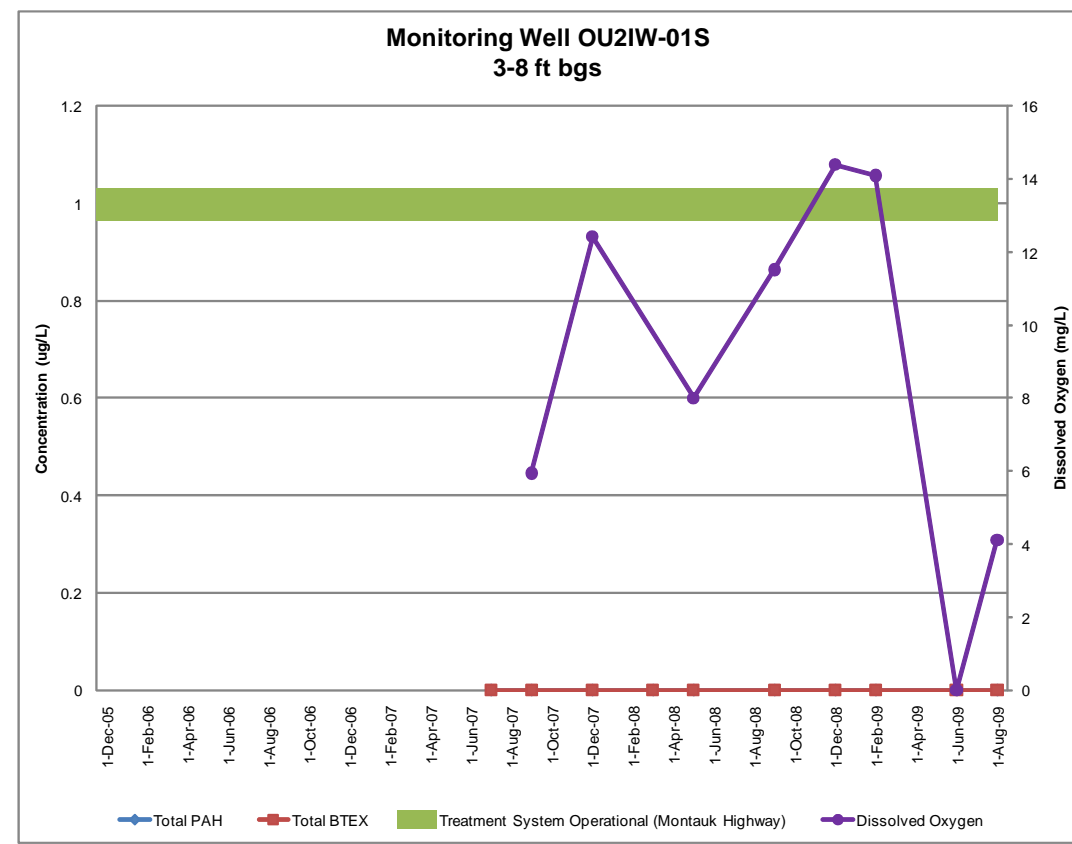
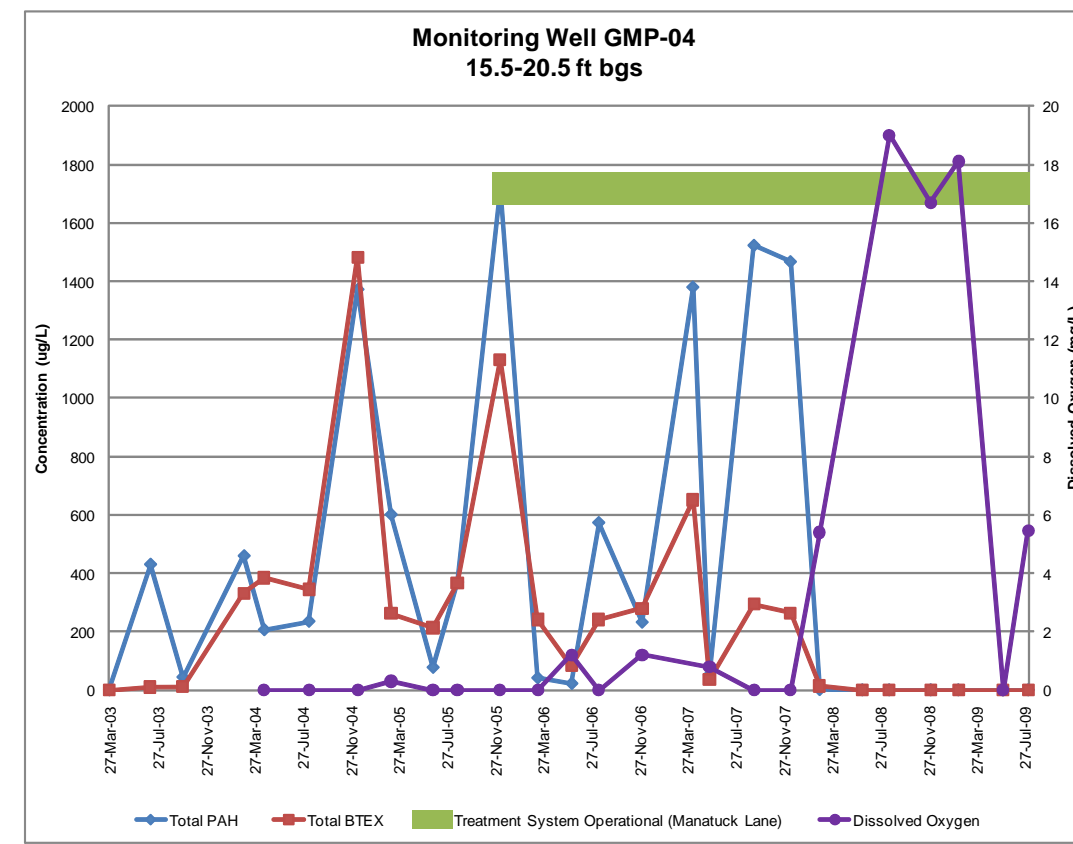
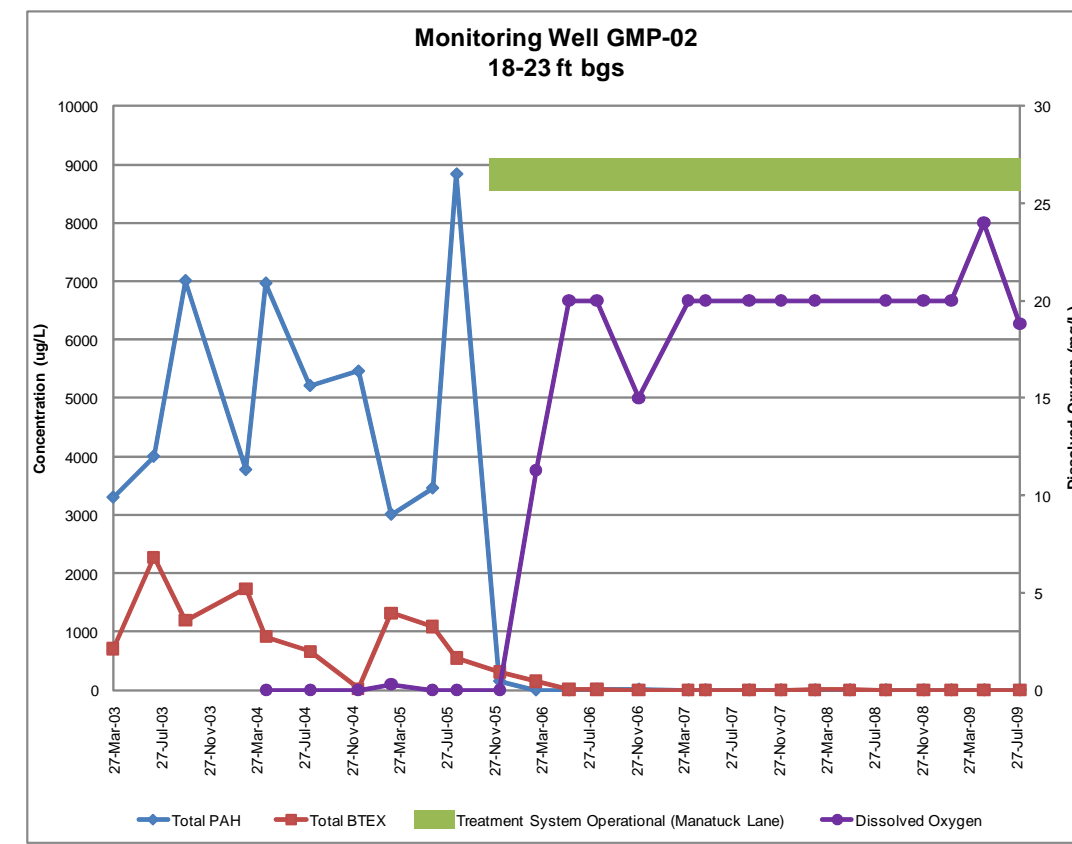
Project 093180-5-1506

GEI Consultants
110 WALTON WHITMAN ROAD
SUITE 204
HUNTINGTON STATION, NY 11746

**MONTAUK HIGHWAY
OXYGEN INJECTION LINE
GROUNDWATER DATA**

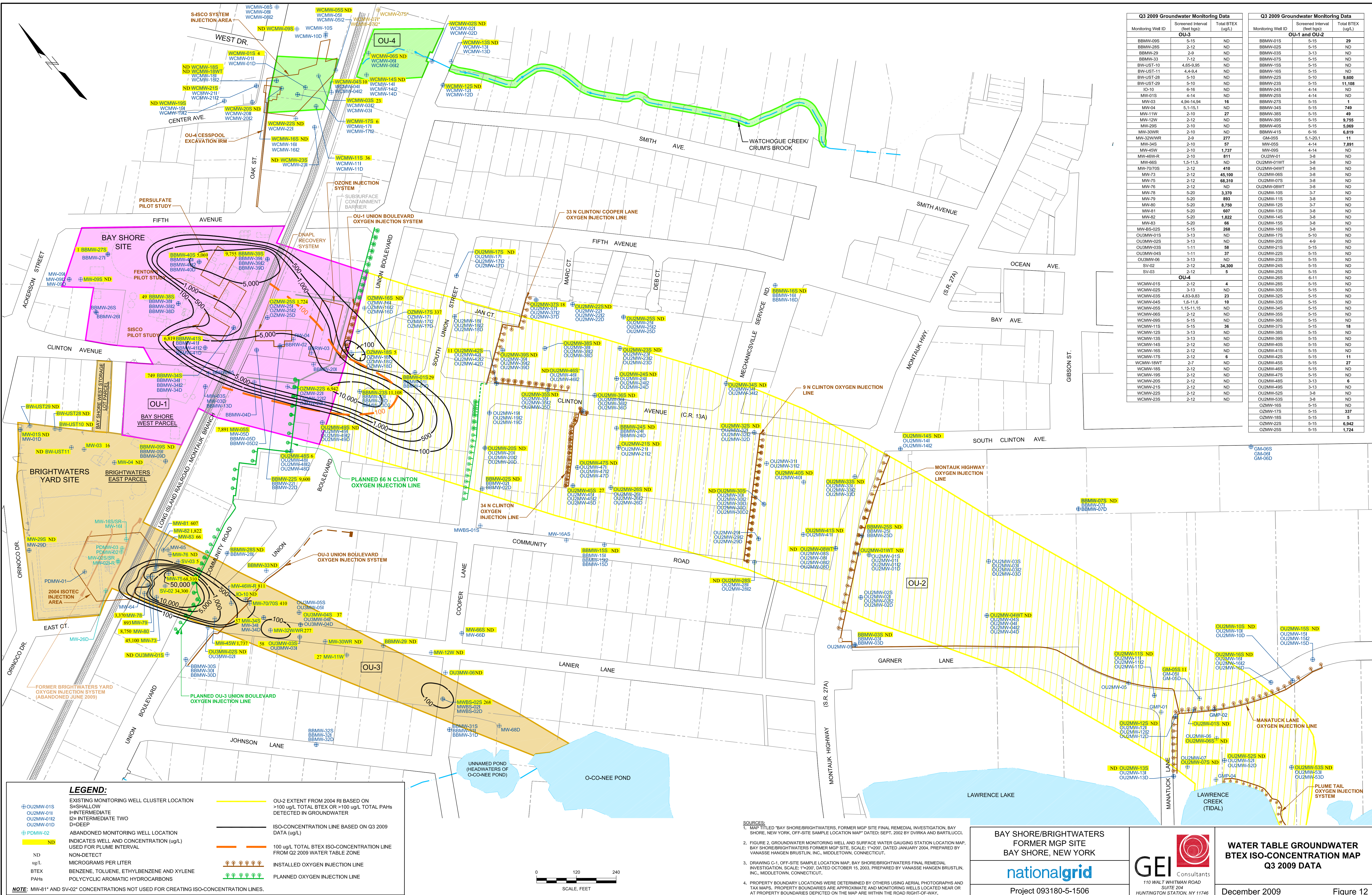
December 2009

Figure 10



- SOURCES:**
1. MAP TITLED "BAY SHORE/BRIGHTWATERS, FORMER MGP SITE FINAL REMEDIAL INVESTIGATION, BAY SHORE, NEW YORK, OFF-SITE SAMPLE LOCATION MAP" DATED: SEPT. 2002 BY DVIRKA AND BARTILUCCI.
 2. FIGURE 2, GROUNDWATER MONITORING WELL AND SURFACE WATER GAUGING STATION LOCATION MAP, BAY SHORE/BRIGHTWATERS FORMER MGP SITE, SCALE: 1"=200', DATED JANUARY 2004, PREPARED BY VANASSE HANGEN BRUSTLIN, INC., MIDDLETOWN, CONNECTICUT.
 3. DRAWING C-1, OFF-SITE SAMPLE LOCATION MAP, BAY SHORE/BRIGHTWATERS FINAL REMEDIAL INVESTIGATION, SCALE: 1"=200', DATED OCTOBER 15, 2003, PREPARED BY VANASSE HANGEN BRUSTLIN, INC., MIDDLETOWN, CONNECTICUT.
 4. PROPERTY BOUNDARY LOCATIONS WERE DETERMINED BY OTHERS USING AERIAL PHOTOGRAPHS AND TAX MAPS. PROPERTY BOUNDARIES ARE APPROXIMATE AND MONITORING WELLS LOCATED NEAR OR AT PROPERTY BOUNDARIES DEPICTED ON THE MAP ARE WITHIN THE ROAD RIGHT-OF-WAY.

BAY SHORE/BRIGHTWATERS FORMER MGP SITE BAY SHORE, NEW YORK Project 093180-5-1506	GEI CONSULTANTS 110 WALT WHITMAN ROAD SUITE 204 HUNTINGTON STATION, NY 11746	MANATUCK LANE OXYGEN INJECTION LINE GROUNDWATER DATA December 2009 Figure 11
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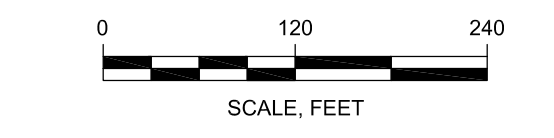


Q3 2009 Groundwater Monitoring Data			Q3 2009 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total BTEX (ug/L)	Monitoring Well ID	Screened Interval (feet bgs):	Total BTEX (ug/L)
OU-3			OU-1 and OU-2		
BBMW-09S	5-15	ND	BBMW-01S	5-15	29
BBMW-28S	2-12	ND	BBMW-02S	5-15	ND
BBMW-29	2-9	ND	BBMW-03S	3-13	ND
BBMW-33	7-12	ND	BBMW-07S	5-15	ND
BW-UST-10	4.65-9.95	ND	BBMW-15S	5-15	ND
BW-UST-11	4.4-8.4	ND	BBMW-16S	5-15	ND
BW-UST-28	5-10	ND	BBMW-22S	5-10	9,600
BW-UST-29	5-10	ND	BBMW-23S	5-15	11,108
IO-10	6-16	ND	BBMW-24S	4-14	ND
MW-01S	4-14	ND	BBMW-25S	4-14	ND
MW-03	4.94-14.94	16	BBMW-27S	5-15	1
MW-04	5.11-5.1	ND	BBMW-34S	5-15	749
MW-11W	2-10	27	BBMW-38S	5-15	49
MW-12W	2-12	ND	BBMW-39S	5-15	9,755
MW-29S	2-10	ND	BBMW-40S	5-15	5,069
MW-30WR	2-10	ND	BBMW-41S	6-16	6,819
MW-32WR	2-9	11	GM-05S	5.1-20.1	11
MW-34S	2-10	27	MW-05S	4-14	7,891
MW-45W	2-10	1,737	MW-09S	4-14	ND
MW-46W-R	2-10	811	OU2M-01	3-8	ND
MW-66S	1.5-11.5	ND	OU2M-01WT	3-8	ND
MW-707S	2-12	410	OU2M-03WT	3-8	ND
MW-75	2-12	45,100	OU2M-06S	3-8	ND
MW-76	2-12	68,310	OU2M-07S	3-8	ND
MW-78	2-12	ND	OU2M-08WT	3-8	ND
MW-79	5-20	893	OU2M-10S	3-7	ND
MW-80	5-20	8,750	OU2M-11S	3-8	ND
MW-81	5-20	607	OU2M-12S	3-7	ND
MW-82	5-20	1,822	OU2M-13S	3-8	ND
MW-83	5-20	66	OU2M-14S	3-8	ND
MW-BS-02S	5-15	268	OU2M-15S	3-8	ND
OU3M-01S	3-13	ND	OU2M-16S	3-8	ND
OU3M-02S	3-13	ND	OU2M-17S	5-10	ND
OU3M-03S	1-11	58	OU2M-20S	4-9	ND
OU3M-04S	1-11	37	OU2M-21S	5-15	ND
OU3M-06	3-13	ND	OU2M-22S	5-15	ND
SV-02	2-12	34,300	OU2M-23S	5-15	ND
SV-03	2-12	5	OU2M-25S	5-15	ND
OU-4			OU2M-26S	6-11	ND
WCMW-01S	2-12	4	OU2M-28S	5-15	ND
WCMW-02S	3-13	23	OU2M-30S	5-15	ND
WCMW-03S	4.83-8.83	23	OU2M-32S	5-15	ND
WCMW-04S	1.81-1.6	18	OU2M-32S	5-15	ND
WCMW-05S	1.15-11.15	ND	OU2M-34S	5-15	ND
WCMW-06S	2-12	ND	OU2M-35S	5-15	ND
WCMW-09S	5-15	ND	OU2M-36S	5-15	ND
WCMW-11S	5-15	36	OU2M-37S	5-15	18
WCMW-12S	3-13	ND	OU2M-38S	5-15	ND
WCMW-13S	3-13	ND	OU2M-39S	5-15	ND
WCMW-14S	2-12	ND	OU2M-40S	5-15	ND
WCMW-16S	2-12	ND	OU2M-41S	5-15	ND
WCMW-17S	2-12	6	OU2M-42S	5-15	11
WCMW-18WT	2-7	ND	OU2M-45S	5-15	27
WCMW-19S	2-12	ND	OU2M-46S	5-15	ND
WCMW-19S	2-12	ND	OU2M-47S	5-15	ND
WCMW-20S	2-12	ND	OU2M-48S	3-13	6
WCMW-21S	2-12	ND	OU2M-49S	3-13	ND
WCMW-22S	2-12	ND	OU2M-52S	3-8	ND
WCMW-23S	2-12	ND	OU2M-53S	3-8	ND
			OZMW-16S	5-15	ND
			OZMW-17S	5-15	337
			OZMW-18S	5-15	5
			OZMW-22S	5-15	6,942
			OZMW-25S	5-15	1,724

LEGEND:

- ⊕ OZMW-01S EXISTING MONITORING WELL CLUSTER LOCATION
- S=SHALLOW
- I=INTERMEDIATE
- I2= INTERMEDIATE TWO
- D=DEEP
- ⊕ PDMW-02 ABANDONED MONITORING WELL LOCATION
- ND INDICATES WELL AND CONCENTRATION (ug/L) USED FOR PLUME INTERVAL
- ND NON-DETECT
- ug/L MICROGRAMS PER LITER
- BTEX BENZENE, TOLUENE, ETHYLBENZENE AND XYLENE
- PAHs POLYCYCLIC AROMATIC HYDROCARBONS
- ISO-CONCENTRATION LINE BASED ON Q3 2009 DATA (ug/L)
- 100 ug/L TOTAL BTEX ISO-CONCENTRATION LINE FROM Q2 2009 WATER TABLE ZONE
- PLANNED OXYGEN INJECTION LINE
- PLANNED OXYGEN INJECTION LINE

NOTE: MW-81* AND SV-02* CONCENTRATIONS NOT USED FOR CREATING ISO-CONCENTRATION LINES.



- SOURCES:**
- MAP TITLED "BAY SHORE/BRIGHTWATERS, FORMER MGP SITE FINAL REMEDIAL INVESTIGATION, BAY SHORE, NEW YORK, OFF-SITE SAMPLE LOCATION MAP" DATED: SEPT. 2002 BY DVIRKA AND BARTLUCCI.
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**BAY SHORE/BRIGHTWATERS
FORMER MGP SITE
BAY SHORE, NEW YORK**

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Project 093180-5-1506

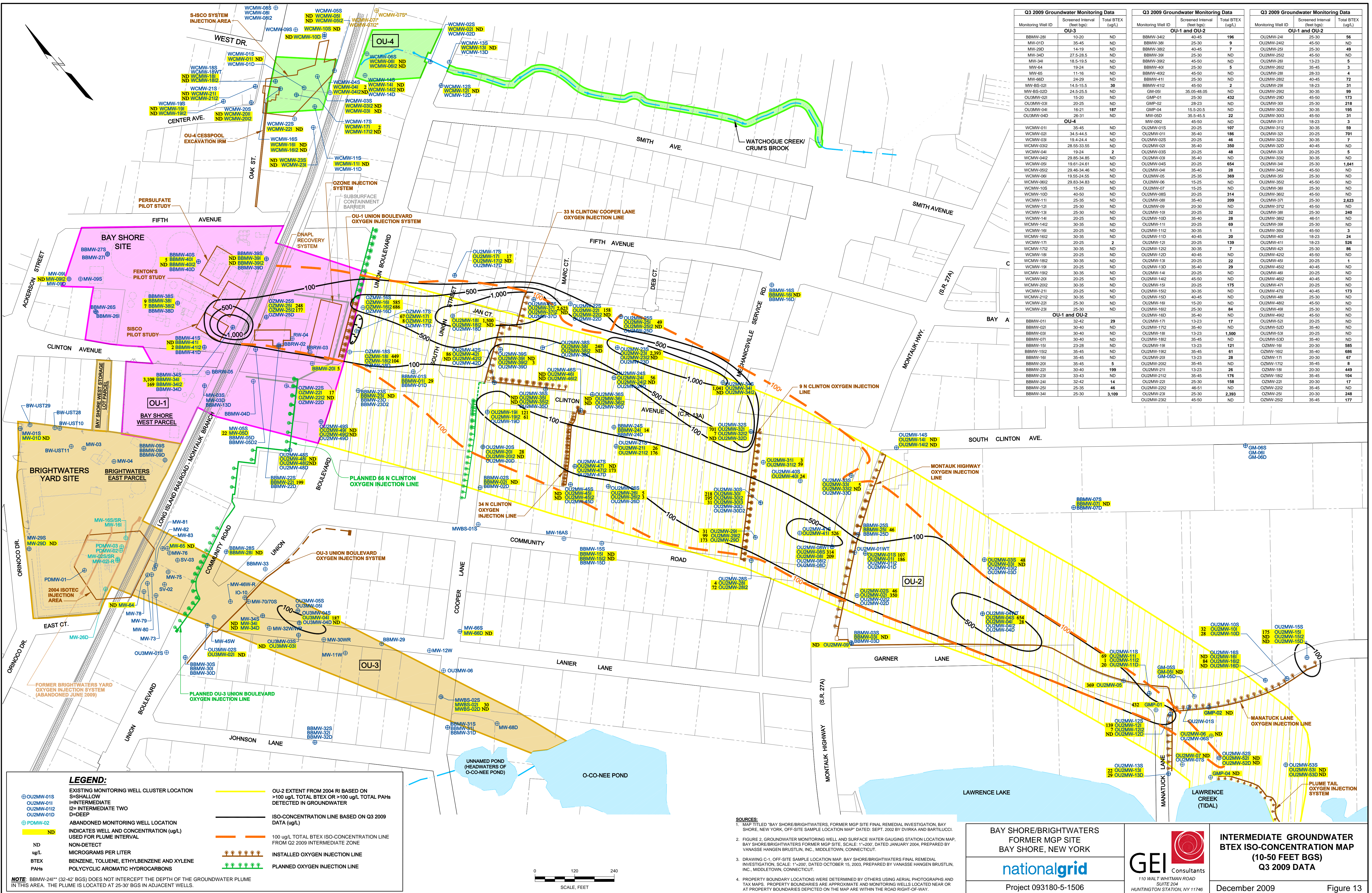
GEI Consultants

110 WALT WHITMAN ROAD
SUITE 204
HUNTINGTON STATION, NY 11746

**WATER TABLE GROUNDWATER
BTEX ISO-CONCENTRATION MAP
Q3 2009 DATA**

December 2009

Figure 12



Q3 2009 Groundwater Monitoring Data			Q3 2009 Groundwater Monitoring Data			Q3 2009 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs)	Total BTEX (ug/L)	Monitoring Well ID	Screened Interval (feet bgs)	Total BTEX (ug/L)	Monitoring Well ID	Screened Interval (feet bgs)	Total BTEX (ug/L)
OU-3			OU-1 and OU-2			OU-1 and OU-2		
BBMW-281	10-20	ND	BBMW-342	40-45	196	OU2MW-241	25-30	56
MW-01D	35-45	ND	BBMW-381	25-30	ND	OU2MW-342	45-50	ND
MW-23D	14-19	ND	BBMW-382	40-45	7	OU2MW-251	25-30	49
MW-34D	27.5-28.5	ND	BBMW-391	25-30	ND	OU2MW-292	45-50	ND
MW-34D	18.5-19.5	ND	BBMW-392	45-50	ND	OU2MW-261	13-23	5
MW-64	19-24	ND	BBMW-401	25-30	5	OU2MW-282	35-45	3
MW-65	11-16	ND	BBMW-402	45-50	ND	OU2MW-281	28-33	4
MW-66D	29-29	ND	BBMW-411	25-30	ND	OU2MW-382	40-45	72
MW-SS-021	14.5-15.5	30	BBMW-412	45-50	2	OU2MW-291	18-23	31
MW-SS-02D	24.5-25.5	ND	GM-051	35.05-48.05	ND	OU2MW-292	30-35	99
OU2MW-021	15-20	ND	GMP-01	25-30	432	OU2MW-290	45-50	173
OU2MW-031	20-25	ND	GMP-02	28-23	ND	OU2MW-301	25-30	218
OU2MW-041	16-21	187	GMP-04	15.5-20.5	ND	OU2MW-302	30-35	195
OU2MW-04D	28-31	ND	MW-06D	35.5-45.5	22	OU2MW-303	45-50	31
OU-4			OU-1 and OU-2			OU-1 and OU-2		
WCMW-011	35-45	ND	BBMW-011	32-42	29	BBMW-011	32-42	29
WCMW-021	34.5-44.5	ND	BBMW-021	30-40	ND	BBMW-021	30-40	ND
WCMW-031	19.4-24.4	ND	BBMW-031	30-40	ND	BBMW-031	30-40	ND
WCMW-032	28.55-33.55	ND	BBMW-041	29-29	ND	BBMW-041	29-29	ND
WCMW-041	19-24	2	BBMW-051	23-28	ND	BBMW-051	23-28	ND
WCMW-042	29.85-34.85	ND	BBMW-061	35-45	ND	BBMW-061	35-45	ND
WCMW-045	19.61-24.61	ND	BBMW-071	35-45	ND	BBMW-071	35-45	ND
WCMW-052	29.46-34.46	ND	BBMW-081	35-45	5	BBMW-081	35-45	5
WCMW-061	19.55-24.55	ND	BBMW-091	33-43	ND	BBMW-091	33-43	ND
WCMW-062	28.83-33.83	ND	BBMW-101	33-43	ND	BBMW-101	33-43	ND
WCMW-10S	15-20	ND	BBMW-111	32-42	14	BBMW-111	32-42	14
WCMW-10D	40-50	ND	BBMW-121	25-35	46	BBMW-121	25-35	46
WCMW-111	25-35	ND	BBMW-131	25-30	3,109	BBMW-131	25-30	3,109
WCMW-112	30-35	ND	BBMW-141	25-30	ND	BBMW-141	25-30	ND
WCMW-121	20-25	ND	BBMW-151	23-28	ND	BBMW-151	23-28	ND
WCMW-122	30-35	ND	BBMW-161	35-45	ND	BBMW-161	35-45	ND
WCMW-181	20-25	ND	BBMW-171	35-45	ND	BBMW-171	35-45	ND
WCMW-182	30-35	ND	BBMW-181	35-45	ND	BBMW-181	35-45	ND
WCMW-191	20-25	ND	BBMW-191	35-45	ND	BBMW-191	35-45	ND
WCMW-192	30-35	ND	BBMW-201	30-40	ND	BBMW-201	30-40	ND
WCMW-201	20-25	ND	BBMW-211	33-43	ND	BBMW-211	33-43	ND
WCMW-202	30-35	ND	BBMW-221	33-43	ND	BBMW-221	33-43	ND
WCMW-211	20-25	ND	BBMW-231	33-43	ND	BBMW-231	33-43	ND
WCMW-212	30-35	ND	BBMW-241	32-42	14	BBMW-241	32-42	14
WCMW-221	25-30	ND	BBMW-251	25-35	46	BBMW-251	25-35	46
WCMW-231	25-30	ND	BBMW-261	25-30	3,109	BBMW-261	25-30	3,109
OU-1 and OU-2			OU-1 and OU-2			OU-1 and OU-2		
BBMW-011	32-42	29	OU2MW-171	13-23	17	OU2MW-171	13-23	17
BBMW-021	30-40	ND	OU2MW-172	35-40	ND	OU2MW-172	35-40	ND
BBMW-031	30-40	ND	OU2MW-181	13-23	1,500	OU2MW-181	13-23	1,500
BBMW-041	29-29	ND	OU2MW-182	35-45	ND	OU2MW-182	35-45	ND
BBMW-051	23-28	ND	OU2MW-191	13-23	121	OU2MW-191	13-23	121
BBMW-061	35-45	ND	OU2MW-192	35-45	61	OU2MW-192	35-45	61
BBMW-071	35-45	ND	OU2MW-201	30-40	ND	OU2MW-201	30-40	ND
BBMW-081	35-45	5	OU2MW-202	35-45	ND	OU2MW-202	35-45	ND
BBMW-091	33-43	ND	OU2MW-211	13-23	26	OU2MW-211	13-23	26
BBMW-101	33-43	ND	OU2MW-212	35-45	176	OU2MW-212	35-45	176
BBMW-111	32-42	14	OU2MW-221	25-30	158	OU2MW-221	25-30	158
BBMW-121	25-35	46	OU2MW-222	46-51	ND	OU2MW-222	46-51	ND
BBMW-131	25-30	3,109	OU2MW-231	25-30	2,393	OU2MW-231	25-30	2,393
			OU2MW-232	45-50	ND	OU2MW-232	45-50	ND

LEGEND:

- EXISTING MONITORING WELL CLUSTER LOCATION
 - S=SHALLOW
 - I=INTERMEDIATE
 - D=DEEP
- ABANDONED MONITORING WELL LOCATION
- INDICATES WELL AND CONCENTRATION (ug/L) USED FOR PLUME INTERVAL
- ND NON-DETECT
- ug/L MICROGRAMS PER LITER
- BTEX BENZENE, TOLUENE, ETHYLBENZENE AND XYLENE
- PAHs POLYCYCLIC AROMATIC HYDROCARBONS
- OU-2 EXTENT FROM 2004 RI BASED ON >100 ug/L TOTAL BTEX OR >100 ug/L TOTAL PAHs DETECTED IN GROUNDWATER
- ISO-CONCENTRATION LINE BASED ON Q3 2009 DATA (ug/L)
- 100 ug/L TOTAL BTEX ISO-CONCENTRATION LINE FROM Q2 2009 INTERMEDIATE ZONE
- INSTALLED OXYGEN INJECTION LINE
- PLANNED OXYGEN INJECTION LINE

NOTE: BBMW-241¹ (32'-42' BGS) DOES NOT INTERCEPT THE DEPTH OF THE GROUNDWATER PLUME IN THIS AREA. THE PLUME IS LOCATED AT 25'-30' BGS IN ADJACENT WELLS.

SOURCES:

- MAP TITLED 'BAY SHORE/BRIGHTWATERS, FORMER MGP SITE FINAL REMEDIAL INVESTIGATION, BAY SHORE, NEW YORK, OFF-SITE SAMPLE LOCATION MAP' DATED: SEPT. 2002 BY DVIRKA AND BARTILUCCI.
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BAY SHORE/BRIGHTWATERS FORMER MGP SITE BAY SHORE, NEW YORK

nationalgrid

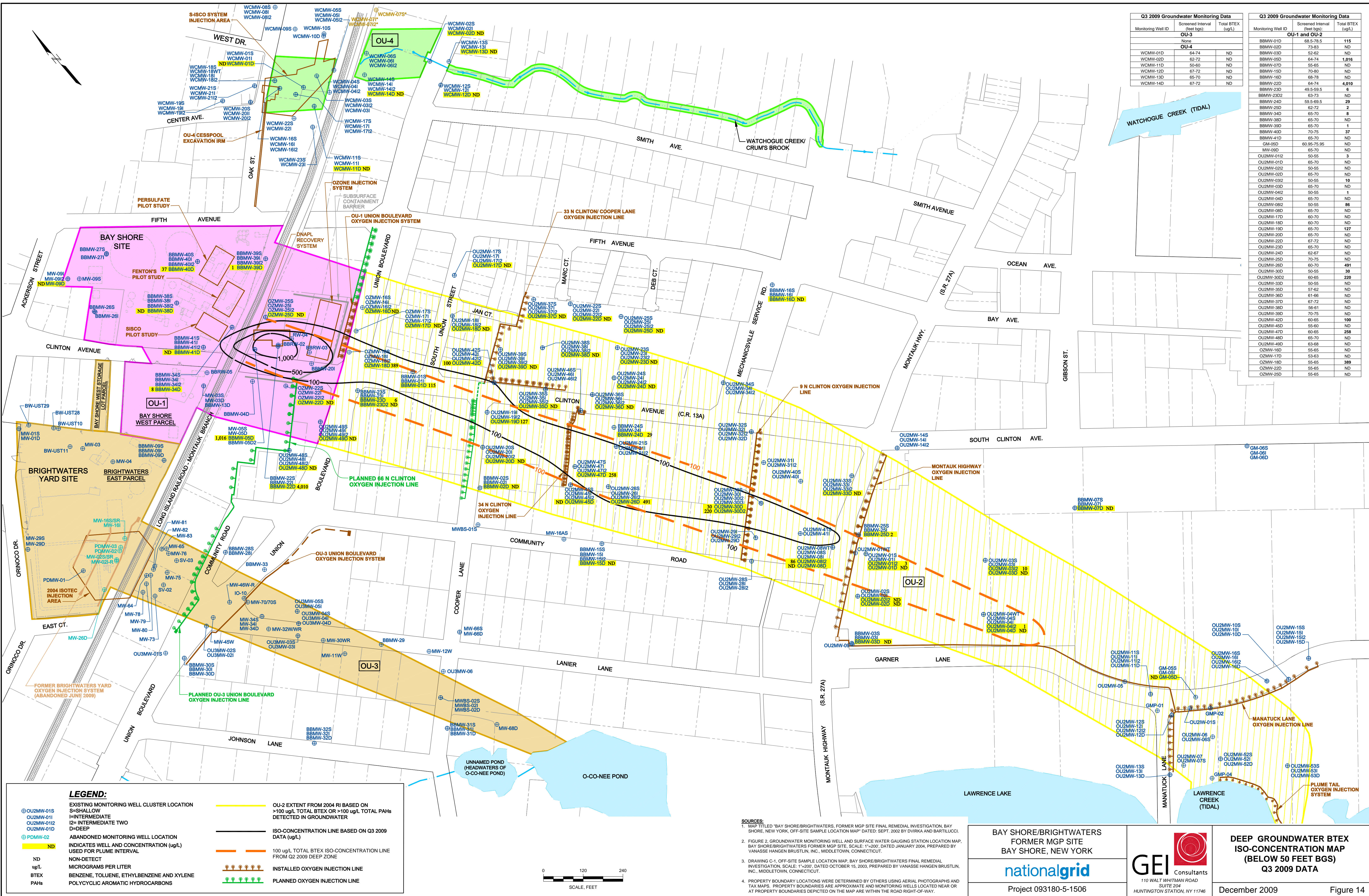
Project 093180-5-1506

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INTERMEDIATE GROUNDWATER BTEX ISO-CONCENTRATION MAP (10-50 FEET BGS) Q3 2009 DATA

December 2009 Figure 13



Q3 2009 Groundwater Monitoring Data			Q3 2009 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs)	Total BTEX (ug/L)	Monitoring Well ID	Screened Interval (feet bgs)	Total BTEX (ug/L)
OU-3			OU-1 and OU-2		
None			BBMW-01D	86.5-76.5	115
OU-4			BBMW-02D	73-83	ND
WCMW-01D	64-74	ND	BBMW-03D	52-62	ND
WCMW-02D	62-72	ND	BBMW-05D	64-74	1,016
WCMW-11D	50-60	ND	BBMW-07D	55-65	ND
WCMW-12D	67-77	ND	BBMW-10D	70-80	ND
WCMW-13D	65-75	ND	BBMW-16D	69-79	ND
WCMW-14D	67-77	ND	BBMW-22D	64-74	4,010
			BBMW-23D	49.5-59.5	6
			BBMW-23D2	63-73	ND
			BBMW-24D	59.5-69.5	29
			BBMW-25D	63-73	2
			BBMW-34D	65-75	8
			BBMW-38D	65-75	ND
			BBMW-39D	65-75	37
			BBMW-40D	70-75	1
			BBMW-41D	65-75	ND
			GM-05D	69.95-79.95	ND
			MV-09D	65-75	ND
			OUMW-01D	50-55	3
			OUMW-01D	65-70	ND
			OUMW-02D	50-55	ND
			OUMW-02D	65-70	ND
			OUMW-03D	50-55	10
			OUMW-03D	65-70	ND
			OUMW-04D	50-55	1
			OUMW-04D	65-70	ND
			OUMW-08D	50-55	86
			OUMW-08D	65-70	ND
			OUMW-17D	60-70	ND
			OUMW-18D	60-70	ND
			OUMW-19D	65-70	127
			OUMW-20D	65-70	ND
			OUMW-22D	67-72	ND
			OUMW-23D	65-70	ND
			OUMW-24D	62-67	ND
			OUMW-25D	70-75	ND
			OUMW-26D	60-70	491
			OUMW-30D	50-55	30
			OUMW-30D2	60-65	220
			OUMW-35D	50-55	ND
			OUMW-35D	57-62	ND
			OUMW-36D	61-66	ND
			OUMW-37D	67-72	ND
			OUMW-38D	65-70	ND
			OUMW-39D	59-64	ND
			OUMW-42D	60-65	100
			OUMW-45D	55-60	ND
			OUMW-47D	60-65	258
			OUMW-48D	65-70	ND
			OUMW-49D	63-68	ND
			OUMW-16D	55-65	ND
			OUMW-17D	53-63	ND
			OUMW-18D	55-65	389
			OUMW-22D	55-65	ND
			OUMW-25D	55-65	ND

LEGEND:

- ⊕ OUMW-01S: EXISTING MONITORING WELL CLUSTER LOCATION
- ⊕ OUMW-01H: SHALLOW
- ⊕ OUMW-01I: INTERMEDIATE
- ⊕ OUMW-01J: INTERMEDIATE TWO
- ⊕ OUMW-01K: DEEP
- ⊕ PDMW-02: ABANDONED MONITORING WELL LOCATION
- ND: INDICATES WELL AND CONCENTRATION (ug/L) USED FOR PLUME INTERVAL
- ND: NON-DETECT
- ug/L: MICROGRAMS PER LITER
- BTEX: BENZENE, TOLUENE, ETHYLBENZENE AND XYLENE
- PAHs: POLYCYCLIC AROMATIC HYDROCARBONS
- : ISO-CONCENTRATION LINE BASED ON Q3 2009 DATA (ug/L)
- : 100 ug/L TOTAL BTEX ISO-CONCENTRATION LINE FROM Q2 2009 DEEP ZONE
- : INSTALLED OXYGEN INJECTION LINE
- : PLANNED OXYGEN INJECTION LINE

SOURCES:

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BAY SHORE/BRIGHTWATERS
FORMER MGP SITE
BAY SHORE, NEW YORK

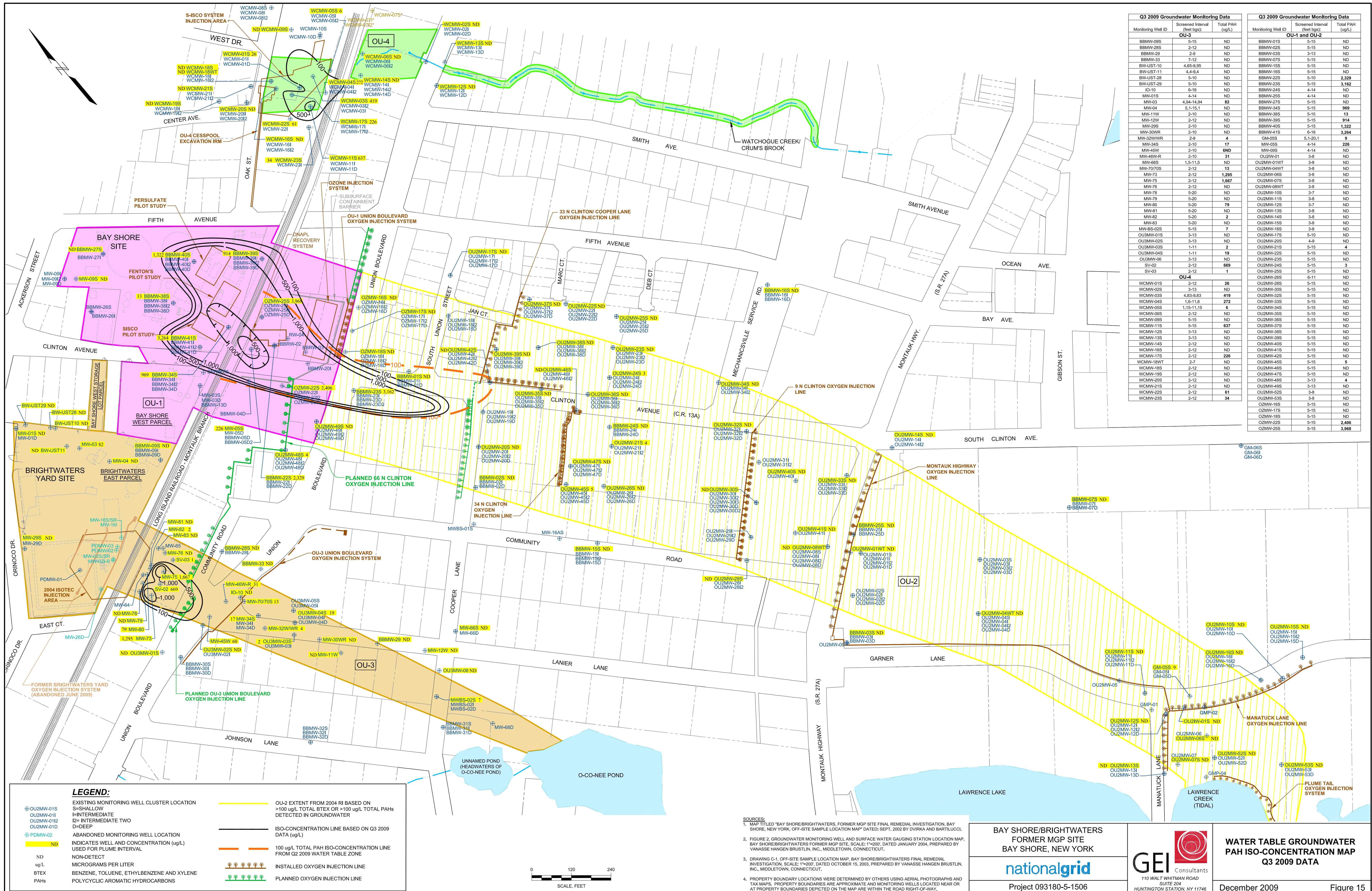
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Project 093180-5-1506

GEI Consultants
110 WALT WHITMAN ROAD
SUITE 204
HUNTINGTON STATION, NY 11746

DEEP GROUNDWATER BTEX
ISO-CONCENTRATION MAP
(BELOW 50 FEET BGS)
Q3 2009 DATA

December 2009 Figure 14



Q3 2009 Groundwater Monitoring Data			Q3 2009 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total PAH (ug/L)	Monitoring Well ID	Screened Interval (feet bgs):	Total PAH (ug/L)
OU-3			OU-1 and OU-2		
BBMW-09S	5-15	ND	BBMW-01S	5-15	ND
BBMW-28S	2-12	ND	BBMW-02S	5-15	ND
BBMW-29	2-8	ND	BBMW-03S	3-13	ND
BBMW-33	7-12	ND	BBMW-07S	5-15	ND
BW-UST-10	4.65-9.95	ND	BBMW-15S	5-15	ND
BW-UST-11	4.4-8.4	ND	BBMW-16S	5-15	ND
BW-UST-28	5-10	ND	BBMW-22S	5-10	2,329
BW-UST-29	5-10	ND	BBMW-23S	5-15	3,162
IO-10	6-16	ND	BBMW-24S	4-14	ND
MW-01S	4-14	ND	BBMW-25S	4-14	ND
MW-03	4.94-14.94	82	BBMW-27S	5-15	ND
MW-04	5.1-15.1	ND	BBMW-34S	5-15	969
MW-11W	ND	ND	BBMW-38S	5-15	13
MW-12W	2-12	ND	BBMW-39S	5-15	914
MW-29S	2-10	ND	BBMW-40S	5-15	1,322
MW-30WR	2-10	ND	BBMW-41S	6-16	3,264
MW-32WWR	2-8	4	GM-05S	5.1-20.1	9
MW-34S	2-10	17	MW-09S	4-14	226
MW-49W	2-10	6ND	MW-09S	4-14	ND
MW-46W-R	2-10	31	OU2MW-01	3-8	ND
MW-66S	1.5-11.5	ND	OU2MW-01WT	3-8	ND
MW-7070S	2-12	13	OU2MW-04WT	3-8	ND
MW-73	2-12	1,285	OU2MW-06S	3-8	ND
MW-75	2-12	1,667	OU2MW-07S	3-8	ND
MW-76	2-12	ND	OU2MW-08WT	3-8	ND
MW-78	5-20	ND	OU2MW-10S	3-7	ND
MW-79	5-20	ND	OU2MW-11S	3-8	ND
MW-80	5-20	79	OU2MW-12S	3-7	ND
MW-81	5-20	ND	OU2MW-13S	3-8	ND
MW-82	5-20	2	OU2MW-14S	3-8	ND
MW-83	5-20	ND	OU2MW-15S	3-8	ND
MW-BS-02S	5-15	7	OU2MW-16S	3-8	ND
OU3MW-01S	3-13	ND	OU2MW-17S	5-10	ND
OU3MW-02S	3-13	ND	OU2MW-20S	4-9	ND
OU3MW-03S	1-11	2	OU2MW-21S	5-15	4
OU3MW-04S	1-11	19	OU2MW-22S	5-15	ND
OU3MW-06	3-13	ND	OU2MW-23S	5-15	ND
SV-02	2-12	669	OU2MW-24S	5-15	3
SV-03	2-12	1	OU2MW-25S	5-15	ND
OU-4			OU2MW-26S	6-11	ND
WCMW-01S	2-12	26	OU2MW-28S	5-15	ND
WCMW-02S	3-13	ND	OU2MW-30S	5-15	ND
WCMW-03S	4.83-8.83	419	OU2MW-32S	5-15	ND
WCMW-04S	1.6-11.6	272	OU2MW-33S	5-15	ND
WCMW-05S	1.15-11.15	6	OU2MW-34S	5-15	ND
WCMW-06S	2-12	ND	OU2MW-35S	5-15	ND
WCMW-09S	5-15	ND	OU2MW-36S	5-15	ND
WCMW-11S	5-15	637	OU2MW-37S	5-15	ND
WCMW-12S	3-13	ND	OU2MW-38S	5-15	ND
WCMW-13S	3-13	ND	OU2MW-39S	5-15	ND
WCMW-14S	2-12	ND	OU2MW-40S	5-15	ND
WCMW-16S	2-12	ND	OU2MW-41S	5-15	ND
WCMW-17S	2-12	226	OU2MW-42S	5-15	ND
WCMW-18WT	2-7	ND	OU2MW-45S	5-15	5
WCMW-18S	2-12	ND	OU2MW-46S	5-15	ND
WCMW-19S	2-12	ND	OU2MW-47S	5-15	ND
WCMW-20S	2-12	ND	OU2MW-48S	3-13	4
WCMW-21S	2-12	ND	OU2MW-49S	3-13	ND
WCMW-22S	2-12	61	OU2MW-52S	3-8	ND
WCMW-23S	2-12	34	OU2MW-53S	3-8	ND
			OU2MW-54S	5-15	ND
			OZMW-17S	5-15	ND
			OZMW-22S	5-15	2,406
			OZMW-26S	5-15	3,968

LEGEND:

- EXISTING MONITORING WELL CLUSTER LOCATION
 - S=SHALLOW
 - I=INTERMEDIATE
 - D=DEEP
- ABANDONED MONITORING WELL LOCATION
- INDICATES PLUME AND CONCENTRATION (ug/L) USED FOR PLUME INTERVAL
- NON-DETECT
- ug/L
- BTEX: BENZENE, TOLUENE, ETHYLBENZENE AND XYLENE
- PAHS: POLYCYCLIC AROMATIC HYDROCARBONS
- OU-2 EXTENT FROM 2004 RI BASED ON >100 ug/L TOTAL BTEX OR >100 ug/L TOTAL PAHS DETECTED IN GROUNDWATER
- ISO-CONCENTRATION LINE BASED ON Q3 2009 DATA (ug/L)
- 100 ug/L TOTAL PAH ISO-CONCENTRATION LINE FROM Q2 2009 WATER TABLE ZONE
- INSTALLED OXYGEN INJECTION LINE
- PLANNED OXYGEN INJECTION LINE

SOURCES:

- MAP TITLED "BAY SHORE/BRIGHTWATERS, FORMER MGP SITE FINAL REMEDIAL INVESTIGATION, BAY SHORE, NEW YORK, OFF-SITE SAMPLE LOCATION MAP" DATED: SEPT. 2002 BY DIVIRKA AND BARTILUCCI.
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BAY SHORE/BRIGHTWATERS
FORMER MGP SITE
BAY SHORE, NEW YORK

nationalgrid

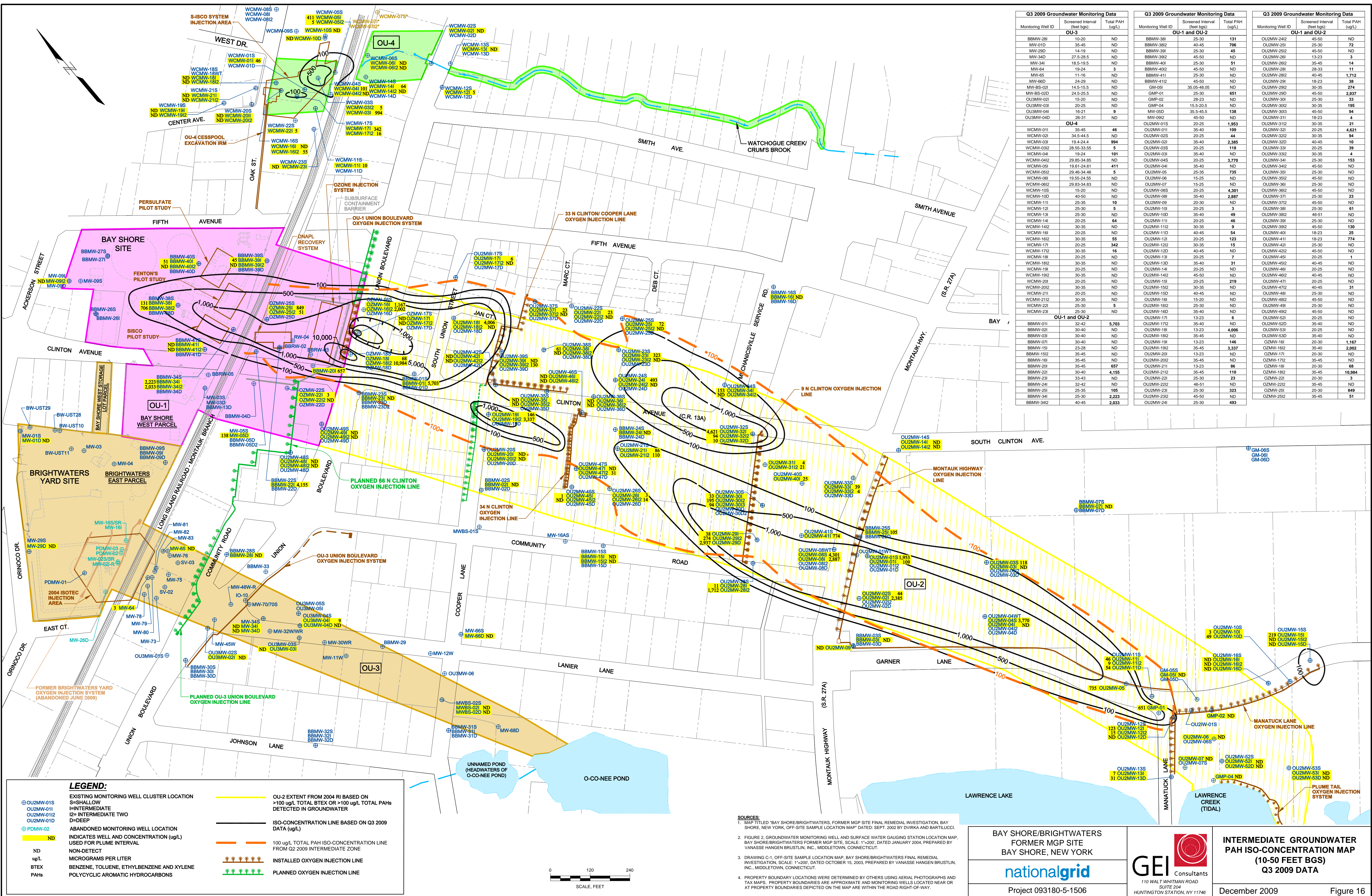
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WATER TABLE GROUNDWATER PAH ISO-CONCENTRATION MAP Q3 2009 DATA

December 2009 Figure 15

K:\ENR\National Grid\Bay Shore\Groundwater\Quarterly Monitoring\2009\ISO-Concentrations\BAY SHORE-BTEX & PAH PLUMES Q3 2009.dwg 12Dec 22, 2009



Q3 2009 Groundwater Monitoring Data			Q3 2009 Groundwater Monitoring Data			Q3 2009 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs)	Total PAH (ug/L)	Monitoring Well ID	Screened Interval (feet bgs)	Total PAH (ug/L)	Monitoring Well ID	Screened Interval (feet bgs)	Total PAH (ug/L)
OU-1			OU-1 and OU-2			OU-1 and OU-2		
BBMW-281	10-20	ND	BBMW-381	25-30	131	OU2MW-242	45-50	ND
MW-01D	35-45	ND	BBMW-382	40-45	706	OU2MW-251	25-30	72
MW-29D	14-19	ND	BBMW-391	25-30	45	OU2MW-252	45-50	ND
MW-34D	27.5-28.5	ND	BBMW-392	45-50	ND	OU2MW-261	13-23	3
MW-34I	18.5-19.5	ND	BBMW-401	25-30	51	OU2MW-262	35-45	14
MW-54	19-24	3	BBMW-402	45-50	ND	OU2MW-281	28-33	11
MW-65	11-16	ND	BBMW-411	25-30	ND	OU2MW-282	40-45	1,712
MW-66D	24-29	ND	BBMW-412	45-50	ND	OU2MW-291	18-23	38
MW-BS-02I	14.5-15.5	ND	GM-05I	35.05-48.05	ND	OU2MW-292	30-35	274
MW-BS-02D	24.5-25.5	ND	GMP-01	25-30	651	OU2MW-29D	45-50	2,937
OU3MW-02I	15-20	ND	GMP-02	28-23	ND	OU2MW-301	25-30	33
OU3MW-03I	15.5-20.5	ND	GMP-04	15.5-20.5	ND	OU2MW-302	30-35	195
OU3MW-04I	16-21	9	MW-05D	35.5-45.5	138	OU2MW-303	45-50	94
OU3MW-04D	26-31	ND	MW-09I2	45-50	ND	OU2MW-311	18-23	4
			OU2MW-01S	20-25	1,953	OU2MW-312	30-35	21
			OU2MW-01I	35-40	109	OU2MW-321	20-25	4,621
			OU2MW-02S	20-25	44	OU2MW-322	30-35	94
			OU2MW-02I	35-40	2,385	OU2MW-32D	40-45	10
			OU2MW-03S	20-25	118	OU2MW-331	20-25	39
			OU2MW-03I	35-40	ND	OU2MW-332	30-35	4
			OU2MW-04S	20-25	3,770	OU2MW-341	25-30	153
			OU2MW-04I	35-40	ND	OU2MW-342	45-50	ND
			OU2MW-05I	23.45-34.45	735	OU2MW-351	25-30	ND
			OU2MW-06I	19.55-24.55	ND	OU2MW-352	45-50	ND
			OU2MW-07I	15-25	ND	OU2MW-361	25-30	ND
			OU2MW-08S	20-25	4,301	OU2MW-362	45-50	ND
			OU2MW-08I	35-40	2,887	OU2MW-371	25-30	23
			OU2MW-09I	20-30	ND	OU2MW-372	45-50	ND
			OU2MW-10I	20-25	3	OU2MW-381	25-30	61
			OU2MW-10D	35-40	49	OU2MW-382	45-50	ND
			OU2MW-11I	20-25	46	OU2MW-391	25-30	ND
			OU2MW-11D	30-35	9	OU2MW-392	45-50	130
			OU2MW-12I	40-45	54	OU2MW-401	18-23	25
			OU2MW-12D	20-25	123	OU2MW-411	18-23	774
			OU2MW-17I	20-25	342	OU2MW-421	25-30	ND
			OU2MW-17D	30-35	16	OU2MW-422	45-50	ND
			OU2MW-18I	20-25	ND	OU2MW-451	20-25	1
			OU2MW-18D	30-35	ND	OU2MW-452	40-45	ND
			OU2MW-19I	20-25	ND	OU2MW-461	20-25	ND
			OU2MW-19D	30-35	ND	OU2MW-462	40-45	ND
			OU2MW-20I	20-25	219	OU2MW-471	20-25	ND
			OU2MW-20D	30-35	ND	OU2MW-472	40-45	31
			OU2MW-21I	20-25	ND	OU2MW-481	25-30	ND
			OU2MW-21D	30-35	ND	OU2MW-482	45-50	ND
			OU2MW-22I	25-30	5	OU2MW-491	25-30	ND
			OU2MW-22D	35-40	ND	OU2MW-492	45-50	ND
			OU2MW-23I	25-30	ND	OU2MW-521	20-25	ND
						OU2MW-522	35-40	ND
						OU2MW-531	20-25	ND
						OU2MW-532	35-40	ND
						OU2MW-533	35-40	1,167
						OU2MW-16I	35-40	2,002
						OU2MW-17I	20-30	ND
						OU2MW-17D	35-45	ND
						OU2MW-18I	20-30	68
						OU2MW-21I	13-23	86
						OU2MW-21D	20-30	3
						OU2MW-22I	35-45	110
						OU2MW-22D	46-51	ND
						OU2MW-23I	25-30	323
						OU2MW-23D	45-50	ND
						OU2MW-24I	25-30	493

LEGEND:

- ⊕ OU2MW-01S EXISTING MONITORING WELL CLUSTER LOCATION
- ⊕ OU2MW-01I INTERMEDIATE
- ⊕ OU2MW-012 INTERMEDIATE TWO
- ⊕ OU2MW-01D DEEP
- ⊕ PDMW-02 ABANDONED MONITORING WELL LOCATION
- ND INDICATES WELL AND CONCENTRATION (ug/L)
- ug/L MICROGRAMS PER LITER
- BTEX BENZENE, TOLUENE, ETHYLBENZENE AND XYLENE
- PAHs POLYCYCLIC AROMATIC HYDROCARBONS
- OU-2 EXTENT FROM 2004 RI BASED ON >100 ug/L TOTAL BTEX OR >100 ug/L TOTAL PAHs DETECTED IN GROUNDWATER
- ISO-CONCENTRATION LINE BASED ON Q3 2009 DATA (ug/L)
- 100 ug/L TOTAL PAH ISO-CONCENTRATION LINE FROM Q2 2009 INTERMEDIATE ZONE
- INSTALLED OXYGEN INJECTION LINE
- PLANNED OXYGEN INJECTION LINE

SOURCES:

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**BAY SHORE/BRIGHTWATERS
FORMER MGP SITE
BAY SHORE, NEW YORK**

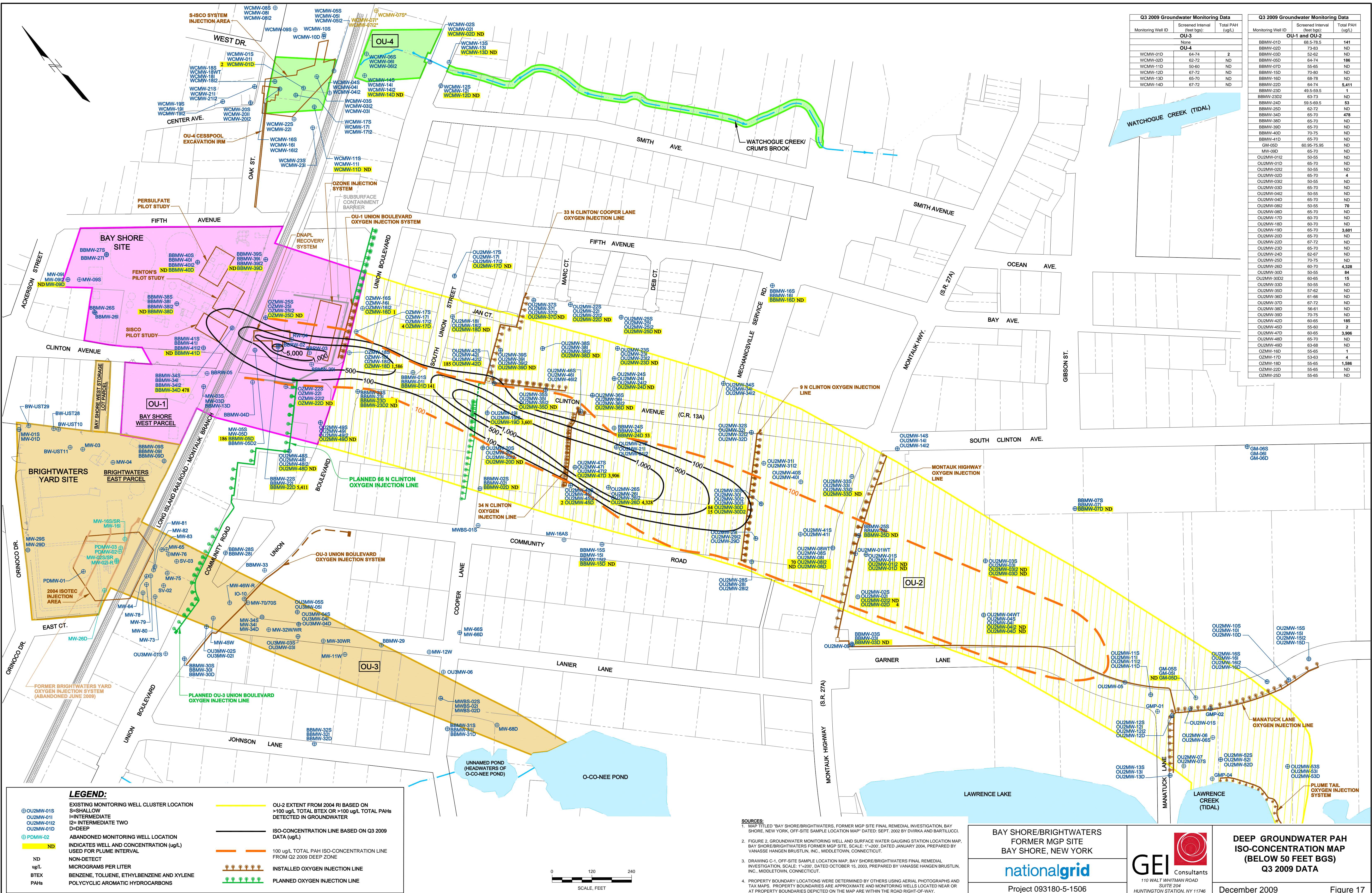
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**INTERMEDIATE GROUNDWATER
PAH ISO-CONCENTRATION MAP
(10-50 FEET BGS)
Q3 2009 DATA**

December 2009



Q3 2009 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs)	Total PAH (ug/L)
OU-3		
None		
OU-4		
WCMW-01D	64-74	2
WCMW-02D	62-72	ND
WCMW-11D	50-60	ND
WCMW-12D	67-72	ND
WCMW-13D	65-70	ND
WCMW-14D	67-72	ND

Q3 2009 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs)	Total PAH (ug/L)
OU-1 and OU-2		
BBMW-01D	68.5-78.5	141
BBMW-02D	73-83	ND
BBMW-03D	52-62	ND
BBMW-05D	64-74	186
BBMW-07D	55-65	ND
BBMW-15D	70-80	ND
BBMW-16D	68-78	ND
BBMW-22D	64-74	5,411
BBMW-23D	40.5-50.5	ND
BBMW-23D2	63-73	1
BBMW-24D	59.5-69.5	53
BBMW-25D	62-72	ND
BBMW-34D	65-70	478
BBMW-38D	65-70	ND
BBMW-39D	65-70	ND
BBMW-40D	70-75	ND
BBMW-41D	65-70	ND
GM-65D	60.95-75.95	ND
MW-09D	65-70	ND
OZ2MW-01D	50-55	ND
OZ2MW-01D	65-70	ND
OZ2MW-02D	50-55	ND
OZ2MW-02D	65-70	4
OZ2MW-03D	65-70	ND
OZ2MW-04D	50-55	ND
OZ2MW-04D	65-70	ND
OZ2MW-08D	50-55	70
OZ2MW-08D	65-70	ND
OZ2MW-17D	60-70	ND
OZ2MW-18D	60-70	ND
OZ2MW-19D	65-70	3,601
OZ2MW-20D	65-70	ND
OZ2MW-22D	67-72	ND
OZ2MW-23D	65-70	ND
OZ2MW-24D	62-67	ND
OZ2MW-25D	70-75	ND
OZ2MW-26D	60-70	4,328
OZ2MW-30D	50-55	84
OZ2MW-30D	65-70	ND
OZ2MW-33D	50-55	ND
OZ2MW-35D	57-62	ND
OZ2MW-36D	61-66	ND
OZ2MW-37D	67-72	ND
OZ2MW-38D	56-61	ND
OZ2MW-39D	70-75	ND
OZ2MW-42D	60-65	185
OZ2MW-45D	55-60	2
OZ2MW-47D	60-65	3,906
OZ2MW-48D	65-70	ND
OZ2MW-49D	63-68	ND
OZ2MW-16D	55-65	1
OZ2MW-17D	53-63	4
OZ2MW-18D	55-65	1,586
OZ2MW-22D	55-65	ND
OZ2MW-25D	55-65	ND

LEGEND:

- ⊕ OZ2MW-01S EXISTING MONITORING WELL CLUSTER LOCATION
- ⊕ OZ2MW-01I INTERMEDIATE
- ⊕ OZ2MW-012 INTERMEDIATE TWO
- ⊕ OZ2MW-01D DEEP
- ⊕ PDMW-02 ABANDONED MONITORING WELL LOCATION
- ND INDICATES WELL AND CONCENTRATION (ug/L) USED FOR PLUME INTERVAL
- NON-DETECT
- ug/L MICROGRAMS PER LITER
- BTEX BENZENE, TOLUENE, ETHYLBENZENE AND XYLENE
- PAHS POLYCYCLIC AROMATIC HYDROCARBONS
- 100 ug/L TOTAL BTEX OR >100 ug/L TOTAL PAHS DETECTED IN GROUNDWATER
- ISO-CONCENTRATION LINE BASED ON Q3 2009 DATA (ug/L)
- 100 ug/L TOTAL PAH ISO-CONCENTRATION LINE FROM Q2 2009 DEEP ZONE
- INSTALLED OXYGEN INJECTION LINE
- PLANNED OXYGEN INJECTION LINE

SOURCES:

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BAY SHORE/BRIGHTWATERS
FORMER MGP SITE
BAY SHORE, NEW YORK

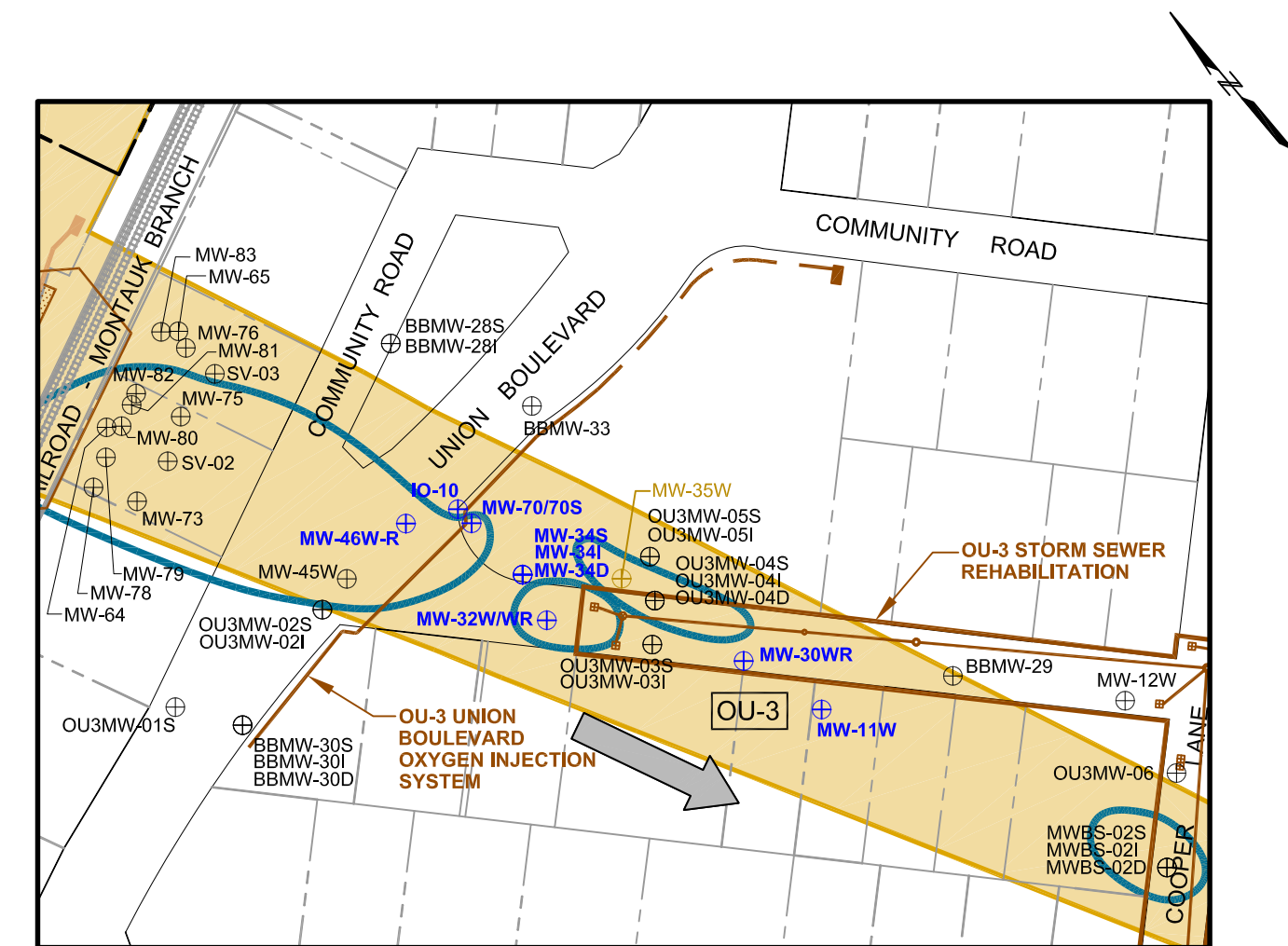
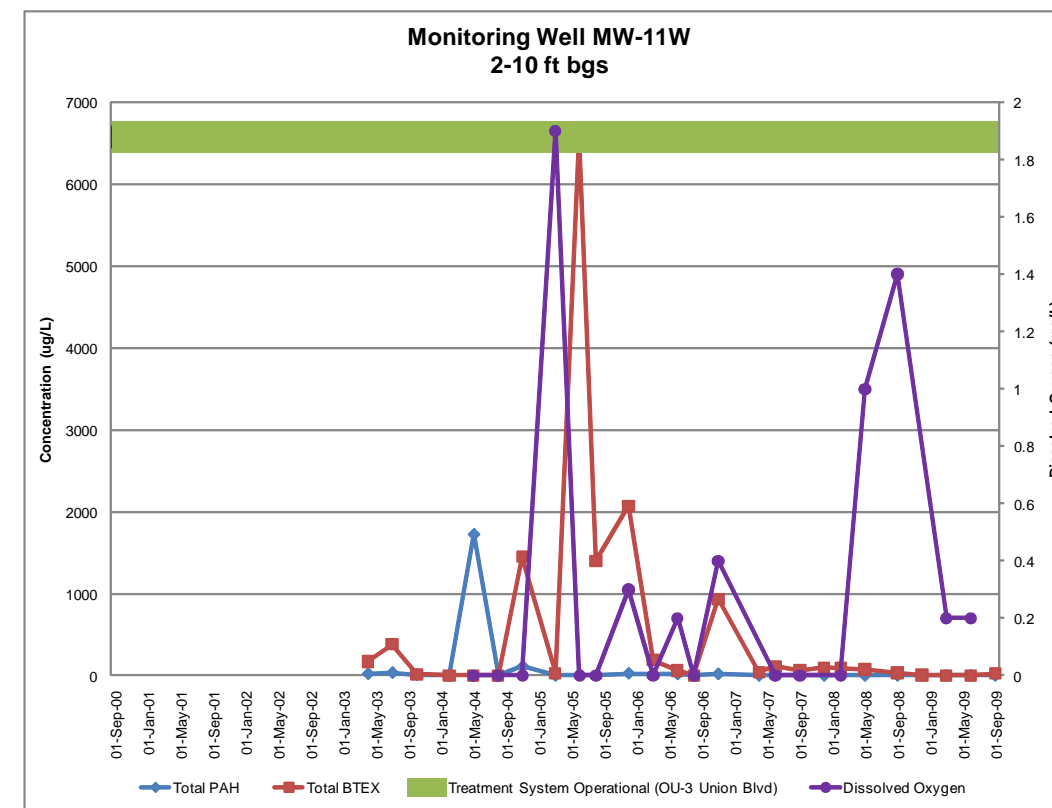
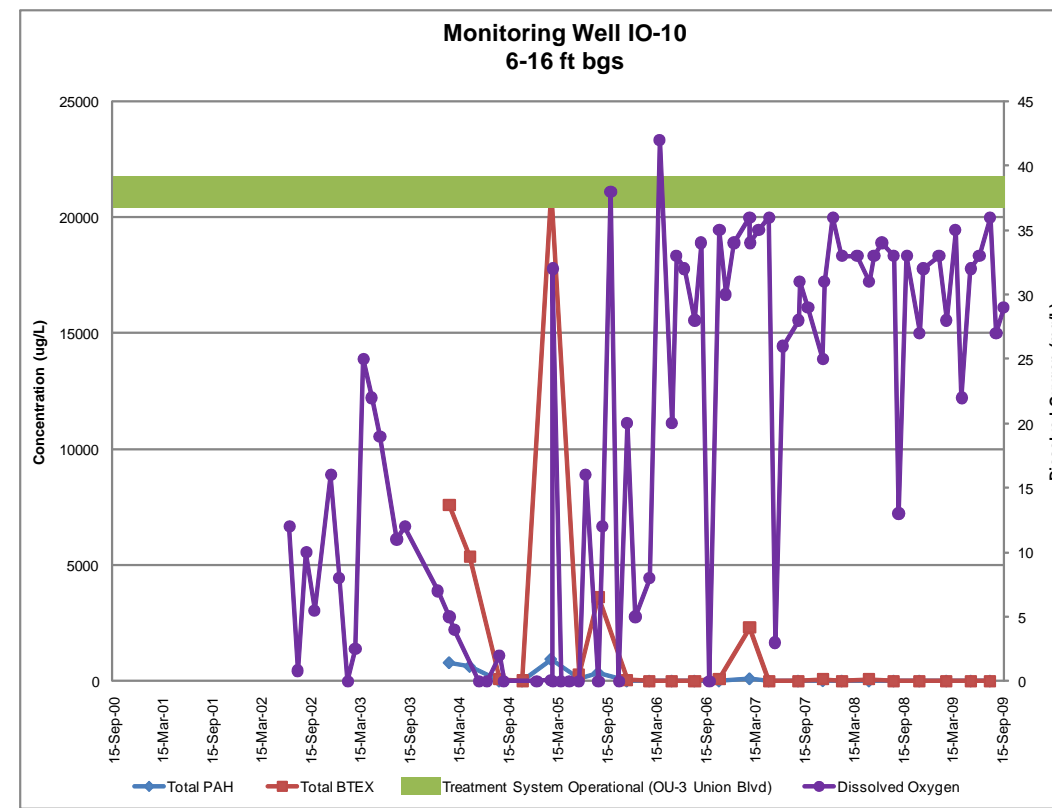
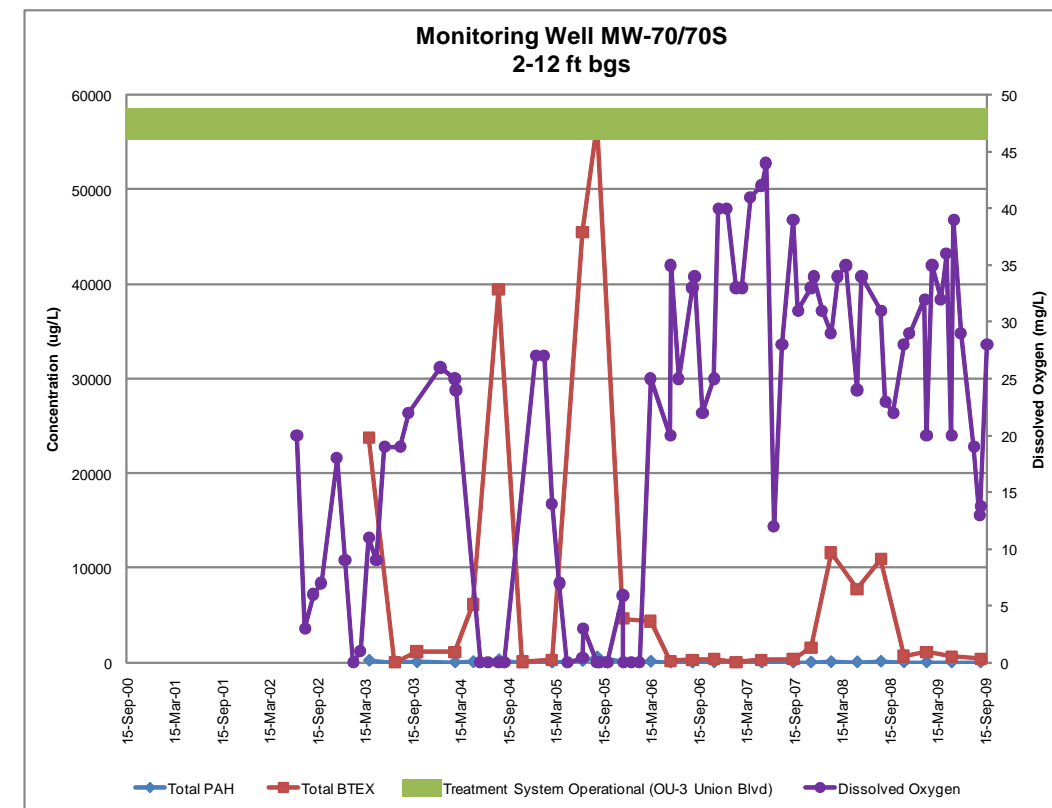
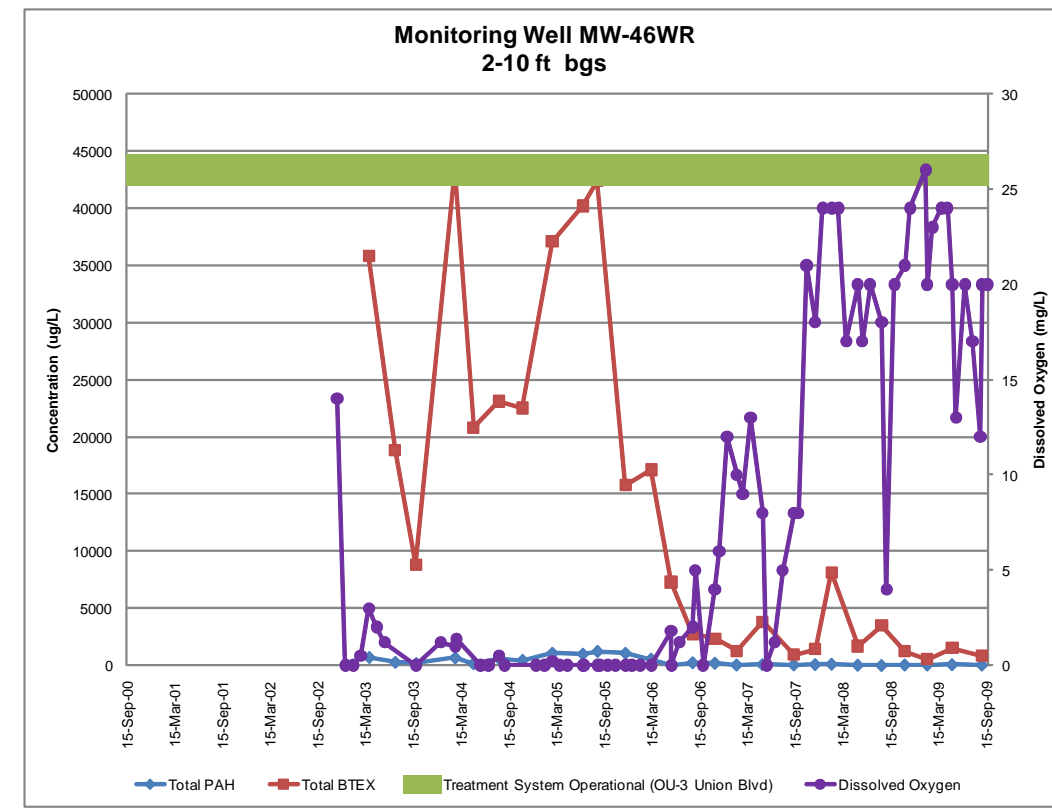
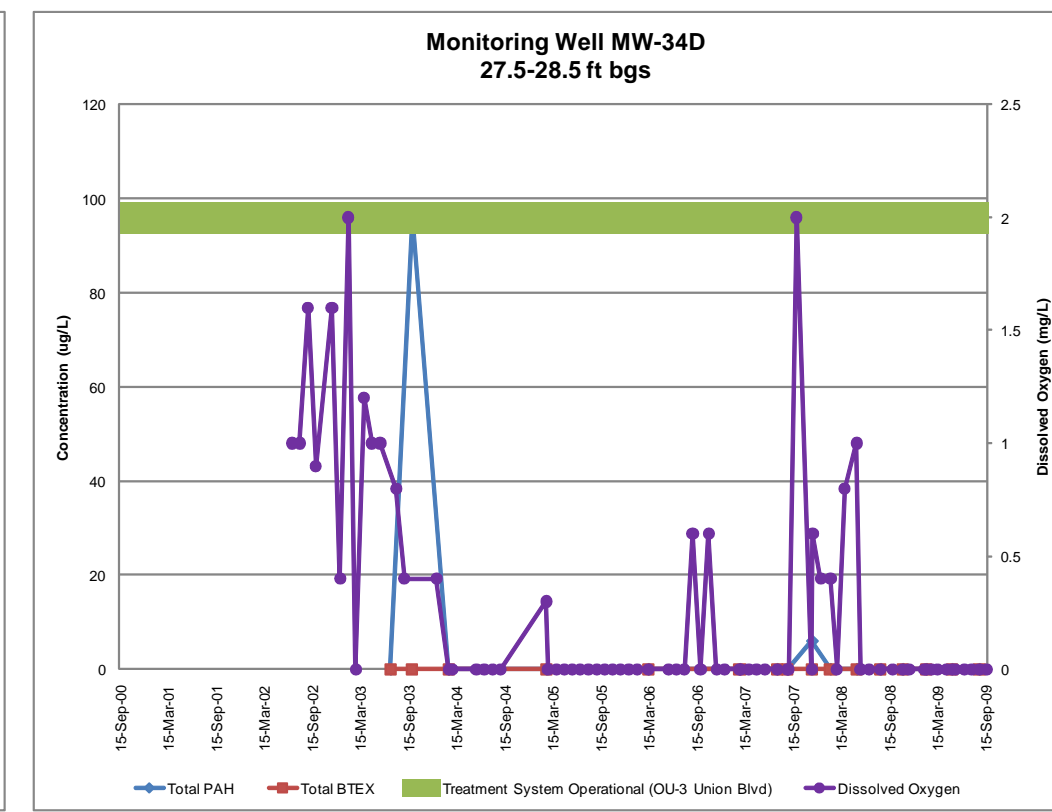
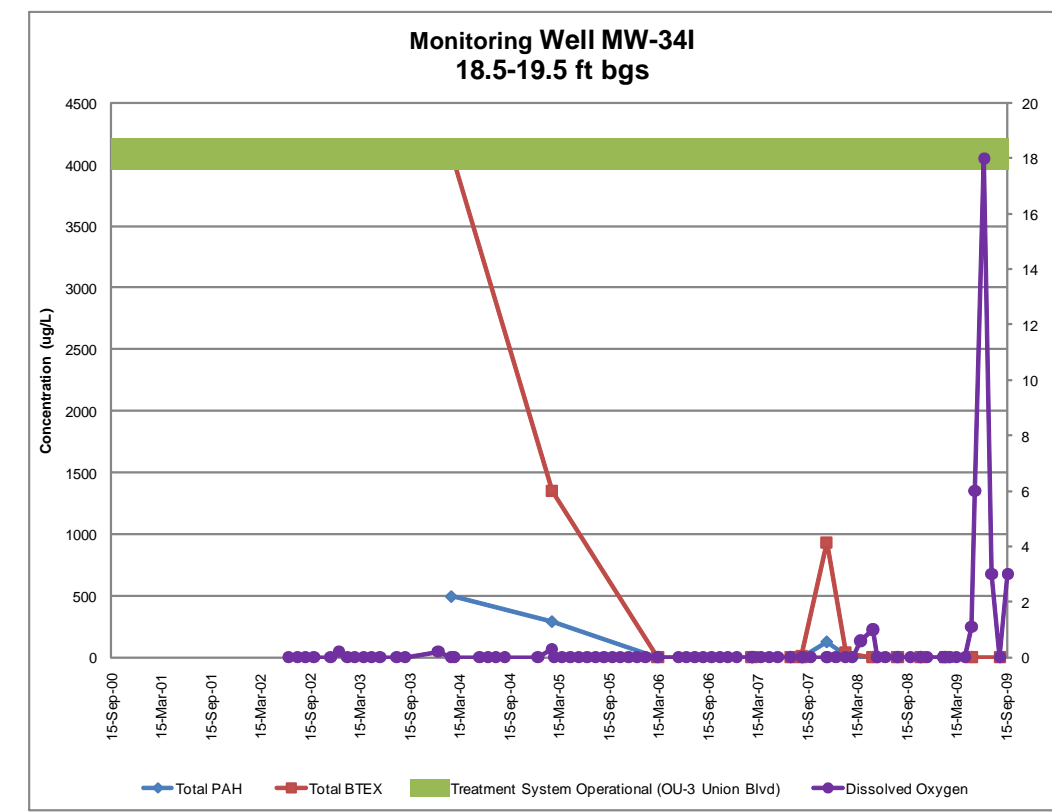
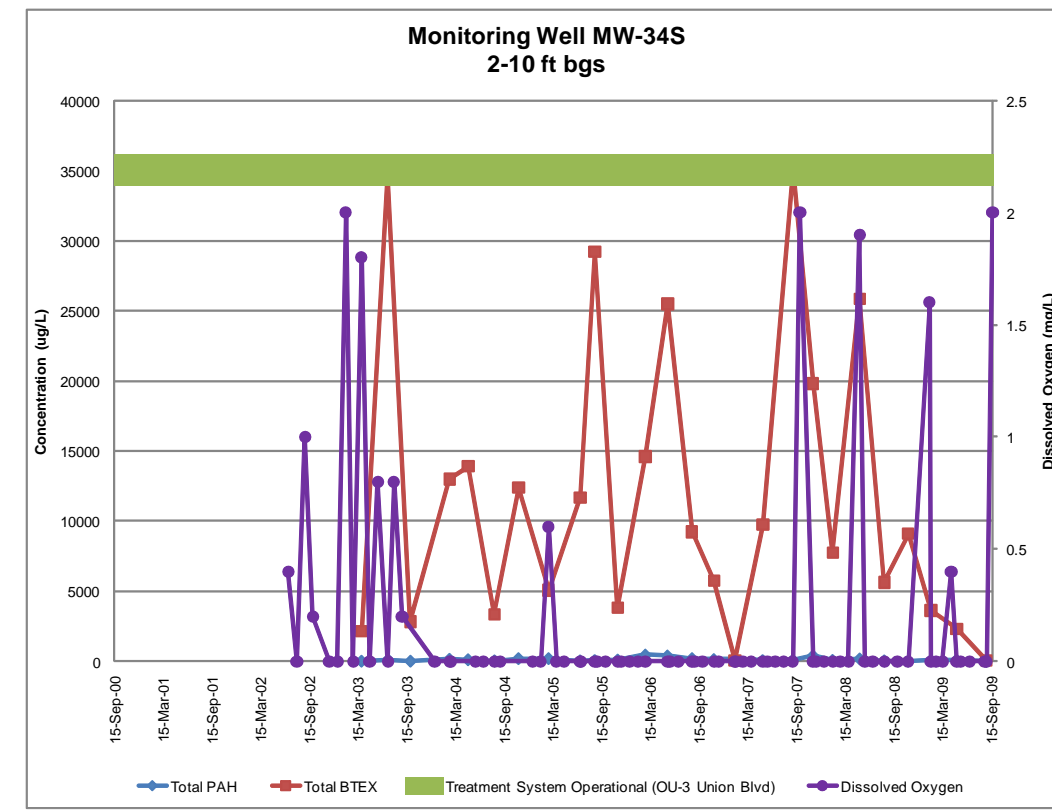
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**DEEP GROUNDWATER PAH
ISO-CONCENTRATION MAP
(BELOW 50 FEET BGS)
Q3 2009 DATA**

December 2009 Figure 17



- MAP LEGEND:**
- ⊕ ACTIVE MONITORING WELL LOCATION
S.I.D. SHALLOW, INTERMEDIATE, DEEP
 - ⊕ MW-34 S.I.D. ASSOCIATED TIME-SERIES CONCENTRATION GRAPH PROVIDED ON PLATE
 - Q3 2009 PLUME BOUNDARY
 - ➔ APPROXIMATE GROUNDWATER FLOW DIRECTION

- SOURCES:**
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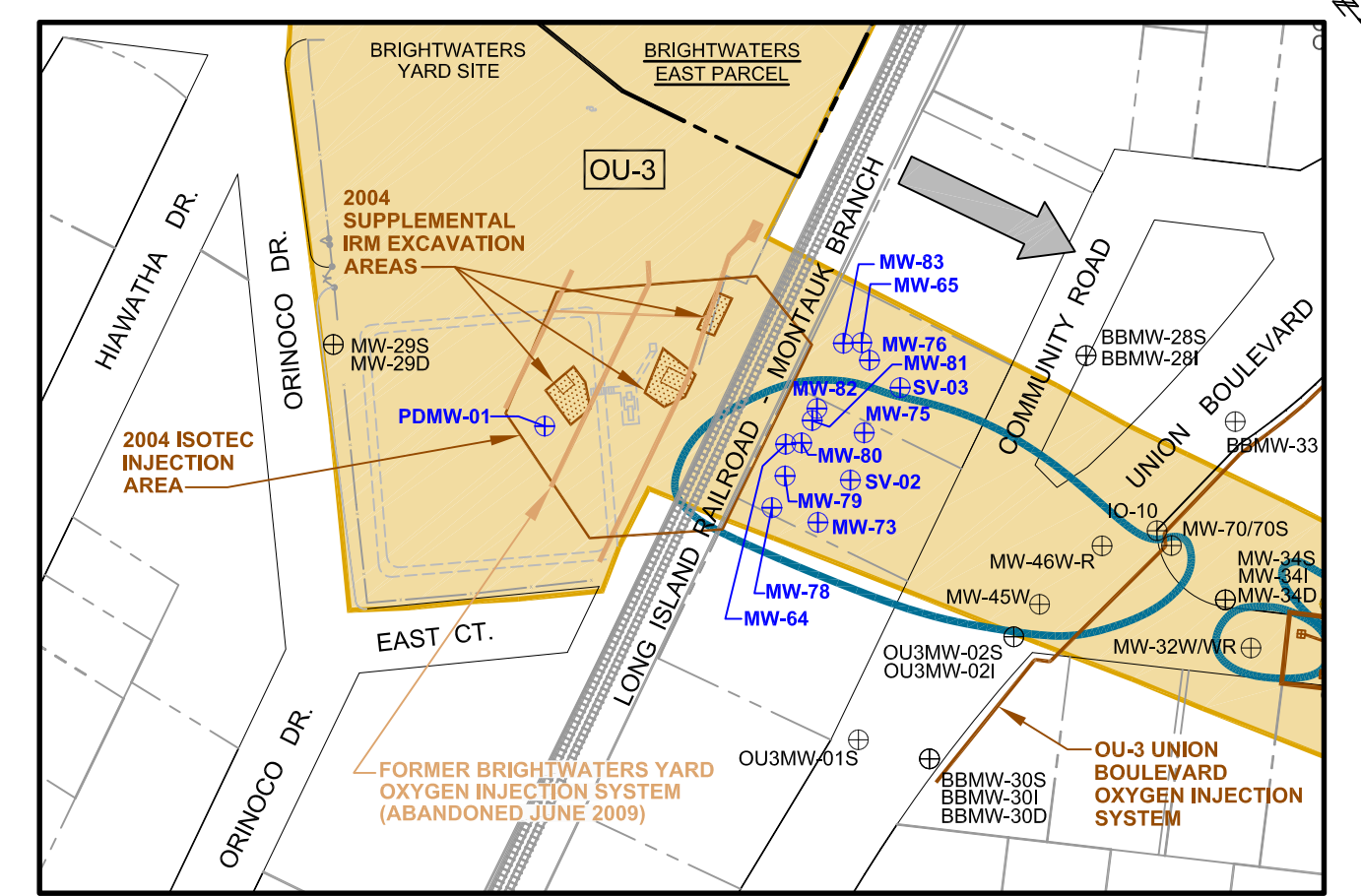
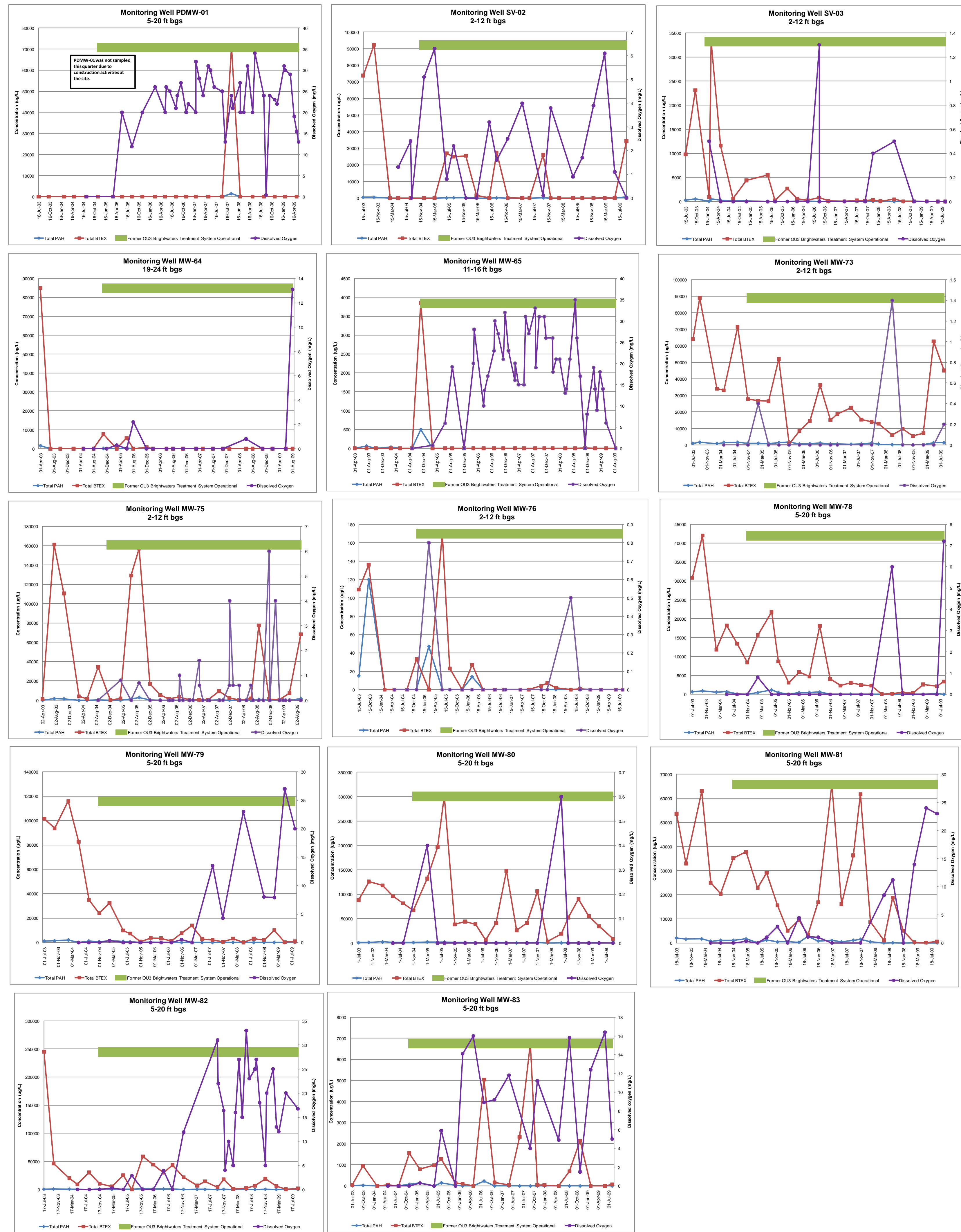
BAY SHORE/BRIGHTWATERS
FORMER MGP SITE
BAY SHORE, NEW YORK

nationalgrid

Project 093180-5-1506



**OU-3 UNION BOULEVARD
OXYGEN INJECTION SYSTEM
GROUNDWATER DATA**



- MAP LEGEND:**
- ⊕ MW-34 ACTIVE MONITORING WELL LOCATION
S,I,D SHALLOW, INTERMEDIATE, DEEP
 - ⊕ MW-83 ASSOCIATED TIME-SERIES CONCENTRATION GRAPH PROVIDED ON PLATE
 - Q3 2009 PLUME BOUNDARY
 - APPROXIMATE GROUNDWATER FLOW DIRECTION

NOTE:
OU-3 BRIGHTWATERS YARD SYSTEM WAS ABANDONED IN JUNE 2009 IN SUPPORT OF THE LIRR INTERIM REMEDIAL MEASURE.

- SOURCES:**
1. MAP TITLED "BAY SHORE/BRIGHTWATERS, FORMER MGP SITE FINAL REMEDIAL INVESTIGATION, BAY SHORE, NEW YORK, OFF-SITE SAMPLE LOCATION MAP" DATED: SEPT. 2002 BY DVIRKA AND BARTILUCCI.
 2. FIGURE 2. GROUNDWATER MONITORING WELL AND SURFACE WATER GAUGING STATION LOCATION MAP, BAY SHORE/BRIGHTWATERS FORMER MGP SITE, SCALE: 1"=200' DATED JANUARY 2004, PREPARED BY VANASSE HANGEN BRUSTLIN, INC., MIDDLETOWN, CONNECTICUT.
 3. DRAWING C-1. OFF-SITE SAMPLE LOCATION MAP, BAY SHORE/BRIGHTWATERS FINAL REMEDIAL INVESTIGATION, SCALE: 1"=200', DATED OCTOBER 15, 2003, PREPARED BY VANASSE HANGEN BRUSTLIN, INC., MIDDLETOWN, CONNECTICUT.
 4. PROPERTY BOUNDARY LOCATIONS WERE DETERMINED BY OTHERS USING AERIAL PHOTOGRAPHS AND TAX MAPS. PROPERTY BOUNDARIES ARE APPROXIMATE AND MONITORING WELLS LOCATED NEAR OR AT PROPERTY BOUNDARIES DEPICTED ON THE MAP ARE WITHIN THE ROAD RIGHT-OF-WAY.

BAY SHORE/BRIGHTWATERS FORMER MGP SITE BAY SHORE, NEW YORK nationalgrid Project 093180-5-1506	 GEI Consultants 110 WALT WHITMAN ROAD SUITE 204 HUNTINGTON STATION, NY 11746	FORMER BRIGHTWATERS YARD OXYGEN INJECTION SYSTEM GROUNDWATER DATA December 2009 Figure 19
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Appendices A, B, C, D, E and F (electronic only)

Appendix A: OU-1 Oxygen Injection System OM&M Data

Appendix B: OU-2 Oxygen Injection System OM&M Data

Appendix C: OU-3 Oxygen Injection System OM&M Data

Appendix D: Soil Vapor Analytical Results

**Appendix E: Time Series Plots of Analytical Results for
Groundwater Monitoring Wells**

Appendix F: Distribution of pH Values in Groundwater

Appendix A
Table A-1
Operational Data
OU-1 South Oxygen Injection System
Operations, Maintenance and Monitoring Program
Bay Shore/Brightwaters Former MGP Site
Operational Unit No. 1 (OU-1)

Weight of Oxygen Injected through Q2 2009 1,769 lbs

	Operational Days	Oxygen Injected Per Month (Lbs)
Month 1	Jul-09 31	150
Month 2	Aug-09 31	122
Month 3	Sep-09 30	170
Total Operational Days In Q3 2009		92
Total Oxygen in Q3 2009 (Lbs)		442.73
Running Total Through Q3 2009 (Lbs)		2,211.30

Notes:

- SCFH (M) = Measured flow rate
- SCFH (C*) = Flow rate converted for oxygen
- CV/D (V) = Volume of oxygen injected
- PSI (M) = Measured pressure
- PSIa (P) = Pressure converted to atmospheric pressure.
- n = PV/RT = Mass of Oxygen
- Temperature = Degrees Rankine
- R = Constant (0.73)

		7/22/2009							9/3/2009							10/2/2009						
		77							75							85						
		10.73							10.73							10.73						
		530							530							530						
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2		
Injection Bank 1	Point 1	41	34	47.805	95.610	17.5	32.2	0.417	28	39.062	78.124	17.0	31.7	0.327	40	55.803	111.605	17.0	31.7	0.529		
	Point 4	26	34	39.244	78.488	7.0	21.7	0.231	32	36.508	73.015	6.5	21.2	0.204	42	47.916	95.832	6.5	21.2	0.304		
	Point 5	41	34	45.132	90.264	14.0	28.7	0.351	27	35.684	71.367	13.8	28.45	0.268	38	49.555	99.110	13.0	27.7	0.410		
	Point 8	26	34	39.244	78.488	7.0	21.7	0.231	30	34.226	68.452	6.5	21.2	0.191	25	28.522	57.043	6.5	21.2	0.181		
	Point 9	41	34	44.737	89.474	13.5	28.2	0.342	28	36.679	73.357	13.3	27.95	0.270	40	52.163	104.327	13.0	27.7	0.432		
	Point 12	26	34	39.694	79.387	7.5	22.2	0.239	30	34.627	69.254	7.0	21.7	0.198	48	55.403	110.807	7.0	21.7	0.359		
	Point 13	41	36	47.787	95.574	14.0	28.7	0.371	30	39.474	78.948	13.5	28.2	0.294	42	55.264	110.527	13.5	28.2	0.466		
	Point 16	26	36	42.499	84.998	8.0	22.7	0.261	30	35.024	70.048	7.5	22.2	0.205	32	36.936	73.871	7.0	21.7	0.240		
Total Oxygen Injected per Day (LBS)		2.442							1.957							2.920						
Injection Bank 2	Point 2	26	32	37.359	74.717	7.5	22.2	0.225	29	33.473	66.946	7.0	21.7	0.192	38	43.861	87.722	7.0	21.7	0.285		
	Point 3	41	32	44.993	89.986	17.5	32.2	0.392	28	39.062	78.124	17.0	31.7	0.327	36	50.222	100.445	17	31.7	0.476		
	Point 6	26	36	42.029	84.057	7.5	22.2	0.253	30	34.627	69.254	7.0	21.7	0.198	34	39.244	78.488	7	21.7	0.255		
	Point 7	41	34	44.339	88.678	13.0	27.7	0.333	30	39.474	78.948	13.5	28.2	0.294	34	44.737	89.474	13.5	28.2	0.377		
	Point 10	26	36	42.499	84.998	8.0	22.7	0.261	33	38.526	77.052	7.5	22.2	0.226	34	39.694	79.387	7.5	22.2	0.263		
	Point 11	41	34	44.737	89.474	13.5	28.2	0.342	29	37.818	75.637	13.0	27.7	0.276	40	52.163	104.327	13	27.7	0.432		
	Point 14	26	34	39.694	79.387	7.5	22.2	0.239	30	34.826	69.652	7.3	21.95	0.202	32	36.936	73.871	7	21.7	0.240		
	Point 15	41	34	45.132	90.264	14	28.7	0.351	28	37.005	74.011	13.8	28.45	0.278	38	50.442	100.883	14	28.7	0.433		
Total Oxygen Injected per Day (LBS)		2.394							1.991							2.760						
System Total Per Day (LBS)		4.84							3.95							5.68						

System Operating Specs

Total of 2 injection banks
Oxygen is injected for 10 minutes during each injection cycle
Each Injection bank operates for 12 injection cycles per day
Each injection point injects oxygen for 120 min per day (10 min per cycle * 12 Cycles)

Example

Bank 1 starts at 7AM
Bank 1 finishes injection at 710AM
System is recharging 710AM to 800AM
Bank 2 starts injection at 800AM
Bank 2 finishes injection at 810AM
System is recharging 810AM to 900AM
Bank 1 starts injection at 900AM
Bank 1 finishes injection at 910AM
System is recharging from 910AM to 10AM
Bank 2 starts injection at 10AM

(Keep repeating cycle for course of day)

Appendix B
Table B-4
Operational Data
33 N. Clinton Oxygen Injection System
Operations, Maintenance, and Monitoring Program
Bay Shore/Brightwaters Former MGP Site
Operational Unit No. 2 (OU-2)

Weight of Oxygen Injected through Q2 2009 594 lbs

Operational Days		Oxygen Injected Per Month
Month 1	Jul-09	26
Month 2	Aug-09	31
Month 3	Sep-09	30
Total Operational Days In Q3 2009		87
Total Oxygen in Q3 2009 (Lbs)		611.24
Running Total Through Q3 2009 (Lbs)		1,205.24

Notes:

SCFH (M) = Measured flow rate
 SCFH (C*) = Flow rate converted for oxygen (Flow meters are calibrated for air)
 CF/D (V) = Volume of oxygen injected per day
 PSI (M) = Measured pressure
 PSia (P) = Pressure converted to atmospheric pressure.
 n = PV/RT = Mass of Oxygen
 Temperature = Degrees Rankine
 R = Constant (0.73)

System Operating Specs

Total of 6 injection banks
 Oxygen is injected for 13 minutes during each injection cycle
 Each Injection bank operates for 4 injection cycles per day
 Each injection point injects oxygen for 64 min per day (13 min per cycle * 4 Cycles)

Example

Bank 1 starts at 7AM
 Bank 1 finishes injection at 7:13AM
 System is recharging 7:13AM to 8:00AM

System is recharging 8:13AM to 9:00AM
 Bank 3 starts injection at 9:00AM
 Bank 3 finishes injection at 9:13AM
 System is recharging from 9:13AM to 10:00AM
 Bank 4 starts injection at 10:00AM
 Bank 4 finishes injection at 10:13AM
 System is recharging from 10:13AM to 11:00PM
 Bank 5 starts injection at 11:00AM
 Bank 5 finishes injection at 11:13AM
 System is recharging from 11:13AM to 12:00PM

Bank 6 starts injection at 12:00PM
 System is recharging from 12:13PM to 100PM
 (Keep repeating cycle for course of day)

System was down between 7/2/09 and 7/6/09 due to a wiring problem within the compressor.

	Depth	7/26/2009							8/21/2009							9/17/2009						
		SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSia (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSia (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSia (P)	n=PV/RT lbs O2			
		Temp R (T)																				
		95							95							95						
		10.73							10.73							10.73						
		530							530							530						
Injection Bank 1	Point 1A	62	32	49.006	42.472	23.5	38.2	0.271	32	49.006	42.472	23.5	38.2	0.271	18	27.294	23.655	22.75	37.45	0.148		
	Point 1B	46	32	43.932	38.075	16	30.7	0.195	27	37.068	32.126	16	30.7	0.165	23	31.318	27.142	15.5	30.2	0.137		
	Point 6A	65	36	56.203	48.710	25	39.7	0.323	36	56.203	48.710	25	39.7	0.323	23	35.338	30.626	23.75	38.45	0.197		
	Point 6B	46	27	37.068	32.126	16	30.7	0.165	24	33.216	28.788	16.5	31.2	0.150	28	38.753	33.586	16.5	31.2	0.175		
	Point 11	46	34	46.678	40.454	16	30.7	0.207	23	31.832	27.588	16.5	31.2	0.144	37	50.797	44.024	16	30.7	0.226		
	Point 35	41	26	33.906	29.385	13	27.7	0.136	22	28.690	24.864	13	27.7	0.115	25	33.185	28.761	14	28.7	0.138		
	Point 40	41	37	45.563	39.488	10	24.7	0.163	22	28.948	25.088	13.5	28.2	0.118	31	40.790	35.351	13.5	28.2	0.167		
Point 45	31	27	35.840	31.061	14	28.7	0.149	22	26.538	22.999	9	23.7	0.091	34	40.796	35.356	8.75	23.45	0.139			
Total Oxygen Injected per Day (LBS)		1.609							1.377							1.325						
Injection Bank 2	Point 2A	67	34	53.745	46.579	26	40.7	0.317	20	31.420	27.231	25.5	40.2	0.183	22	34.347	29.767	25	39.7	0.197		
	Point 2B	46	28	39.062	33.854	17	31.7	0.179	28	38.753	33.586	16.5	31.2	0.175	24	33.083	28.672	16.25	30.95	0.148		
	Point 7A	65	36	56.203	48.710	25	39.7	0.323	25	38.784	33.612	24.5	39.2	0.220	20	31.027	26.890	24.5	39.2	0.176		
	Point 7B	46	27	37.963	32.901	17.5	32.2	0.177	28	39.062	33.854	17	31.7	0.179	33	45.855	39.741	16.75	31.45	0.209		
	Point 12	46	32	44.642	38.690	17	31.7	0.205	29	40.137	34.785	16.5	31.2	0.181	35	48.246	41.813	16.25	30.95	0.216		
	Point 36	36	28	39.062	33.854	17	31.7	0.179	25	31.403	27.216	11	25.7	0.117	31	38.750	33.583	10.75	25.45	0.143		
	Point 41	41	25	33.185	28.761	14	28.7	0.138	30	39.822	34.513	14	28.7	0.165	33	43.421	37.632	13.5	28.2	0.177		
Point 46	36	27	34.569	29.960	12	26.7	0.134	34	43.122	37.372	11.5	26.2	0.164	30	37.684	32.659	11	25.7	0.140			
Total Oxygen Injected per Day (LBS)		1.652							1.384							1.407						
Injection Bank 3	Point 3A	24.75	34	53.081	46.004	25	39.7	0.305	40	62.448	54.122	25	39.7	0.359	22	34.130	29.579	24.5	39.2	0.194		
	Point 3B	16.5	26	35.985	31.187	16.5	31.2	0.163	28	38.753	33.586	16.5	31.2	0.175	28	38.441	33.315	16	30.7	0.171		
	Point 8A	28.5	42	69.187	59.962	29.5	44.2	0.443	30	48.857	42.343	28.5	43.2	0.306	25	40.714	35.286	28.5	43.2	0.255		
	Point 8B	16.5	27	37.369	32.386	16.5	31.2	0.169	31	42.559	36.885	16	30.7	0.189	28	38.441	33.315	16	30.7	0.171		
	Point 32A	24.25	32	49.643	43.024	24.5	39.2	0.282	30	46.243	40.077	24	38.7	0.259	22	33.911	29.390	24	38.7	0.190		
	Point 32B	11.5	30	38.048	32.975	11.5	26.2	0.144	22	27.635	23.950	11	25.7	0.103	30	37.684	32.659	11	25.7	0.140		
	Point 37	13.5	27	35.527	30.790	13.5	28.2	0.145	24	31.298	27.125	13	27.7	0.126	25	32.602	28.255	13	27.7	0.131		
Point 42	11.75	31	39.317	34.074	11.5	26.2	0.149	24	30.147	26.127	11	25.7	0.112	30	37.684	32.659	11	25.7	0.140			
Total Oxygen Injected per Day (LBS)		1.799							1.628							1.391						
Injection Bank 4	Point 4A	69	27	44.728	38.765	30	44.7	0.289	40	63.617	55.135	26.5	41.2	0.379	26	41.351	35.838	26.5	41.2	0.247		
	Point 4B	46	17	28.476	24.679	31	45.7	0.188	29	40.137	34.785	16.5	31.2	0.181	32	44.289	38.383	16.5	31.2	0.200		
	Point 9A	71	22.5	36.854	31.940	29	43.7	0.233	40	65.519	56.783	29	43.7	0.415	31	49.453	42.859	26.75	41.45	0.297		
	Point 9B	46	17	28.162	24.407	30	44.7	0.182	30	41.521	35.985	16.5	31.2	0.188	40	55.361	47.979	16.5	31.2	0.250		
	Point 33	42	14	23.706	20.545	32	46.7	0.160	26	34.513	29.911	14	28.7	0.143	40	52.865	45.816	13.75	28.45	0.218		
	Point 38	36	13	21.536	18.664	30	44.7	0.139	25	31.403	27.216	11	25.7	0.117	40	50.245	43.546	11	25.7	0.187		
	Point 43	31	9.5	15.200	13.174	27	41.7	0.092	25	30.156	26.136	9	23.7	0.103	44	53.075	45.999	9	23.7	0.182		
Total Oxygen Injected per Day (LBS)		1.285							1.527							1.580						
Injection Bank 5	Point 5A	65	25	39.275	34.038	25.5	40.2	0.229	27	42.153	36.532	25	39.7	0.242	29	45.275	39.238	25	39.7	0.260		
	Point 5B	46	23	31.832	27.588	16.5	31.2	0.144	30	41.187	35.695	16	30.7	0.183	34	46.678	40.454	16	30.7	0.207		
	Point 10	56	22	32.456	28.129	20.75	35.45	0.167	30	44.102	38.222	20.5	35.2	0.225	33	48.340	41.894	20.25	34.95	0.245		
	Point 34	41	25	32.749	28.382	13.25	27.95	0.133	25	35.151	30.464	17.5	32.2	0.164	36	46.735	40.503	12.75	27.45	0.186		
	Point 39	26	26	30.010	26.009	7	21.7	0.094	27	30.803	26.696	6.5	21.2	0.095	37	42.707	37.013	7	21.7	0.134		
	Point 44	36	26	32.975	28.579	11.5	26.2	0.125	26	32.659	28.305	11	25.7	0.122	40	50.489	43.757	11.25	25.95	0.190		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Total Oxygen Injected per Day (LBS)		0.891							1.030							1.222						
System Total Per Day (LBS)		7.24							6.95							6.93						

Appendix B
Table B-5
Operational Data
Plume Tail Oxygen Injection System
Operations, Maintenance and Monitoring Program
Bay Shore/Brightwaters Former MGP Site
Operational Unit No. 2 (OU-2)

Weight of Oxygen Injected through Q2 2009 0 lbs

	Operational Days	Oxygen Injected Per Month (Lbs)
Month 1	Jul-09	0
Month 2	Aug-09	14
Month 3	Sep-09	30
Total Operational Days In Q3 2009		44
Total Oxygen in Q3 2009 (Lbs)		207.59
Running Total Through Q3 2009 (Lbs)		207.59

Notes:

SCFH (M) = Measured flow rate
 SCFH (C*) = Flow rate converted for oxygen
 CV/D (V) = Volume of oxygen injected
 PSI (M) = Measured pressure
 PSia (P) = Pressure converted to atmospheric pressure.
 n = PV/RT = Mass of Oxygen
 Temperature = Degrees Rankine
 R = Constant (0.73)

* - System was started on August 17, 2009

System Operating Specs

Total of 2 injection banks
 Oxygen is injected for 10 minutes during each injection cycle
 Each Injection bank operates for 12 injection cycles per day
 Each injection point injects oxygen for 120 min per day (10 min per cycle * 12 Cycles)

Example

Bank 1 starts at 7AM
 Bank 1 finishes injection at 710AM
 System is recharging 710AM to 800AM
 Bank 2 starts injection at 800AM
 Bank 2 finishes injection at 810AM
 System is recharging 810AM to 900AM
 Bank 1 starts injection at 900AM
 Bank 1 finishes injection at 910AM
 System is recharging from 910AM to 10AM
 Bank 2 starts injection at 10AM

(Keep repeating cycle for course of day)

		8/20/2009						9/30/2009											
		95						95											
		10.73						10.73											
		530						530											
	Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSia (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSia (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSia (P)	n=PV/RT lbs O2
Injection Bank 1	Point 1	39	0.000	0.000		14.7	0.000	0	0.000	0.000	0.0	14.7	0.000	0	0.000	0.000	0	14.7	0.000
	Point 2	19	0.000	0.000		14.7	0.000	28	33.055	66.110	8.0	22.7	0.251	30	35.416	70.832	8	22.7	0.269
	Point 3	39	0.000	0.000		14.7	0.000	30	42.507	85.014	18.0	32.7	0.464	30	41.852	83.704	17	31.7	0.443
	Point 4	19	0.000	0.000		14.7	0.000	20	23.611	47.221	8.0	22.7	0.179	32	37.777	75.554	8.0	22.7	0.287
	Point 5	44	0.000	0.000		14.7	0.000	20	28.768	57.536	19.0	33.7	0.324	30	42.831	85.661	18.5	33.2	0.475
	Point 6	19	0.000	0.000		14.7	0.000	20	23.085	46.169	7.0	21.7	0.167	30	34.627	69.254	7.0	21.7	0.251
	Point 7	44	0.000	0.000		14.7	0.000	20	29.192	58.383	20.0	34.7	0.338	28	40.573	81.146	19.5	34.2	0.464
	Point 8	19	0.000	0.000		14.7	0.000	20	22.273	44.545	5.5	20.2	0.150	20	21.995	43.990	5.0	19.7	0.145
Total Oxygen Injected per Day (LBS)		0.000						1.874						2.333					
Injection Bank 2	Point 9	44	0.000	0.000		14.7	0.000	22	31.645	63.290	19.0	33.7	0.356	30	42.181	84.361	17.5	32.2	0.454
	Point 10	19	0.000	0.000		14.7	0.000	22	25.972	51.943	8.0	22.7	0.197	30	35.024	70.048	7.5	22.2	0.260
	Point 11	44	0.000	0.000		14.7	0.000	22	31.645	63.290	19.0	33.7	0.356	30	43.152	86.304	19.0	33.7	0.486
	Point 12	19	0.000	0.000		14.7	0.000	22	25.684	51.368	7.5	22.2	0.191	28	32.319	64.637	7.0	21.7	0.234
	Point 13	44	0.000	0.000		14.7	0.000	20	28.768	57.536	19.0	33.7	0.324	24	34.522	69.043	19.0	33.7	0.389
	Point 14	19	0.000	0.000		14.7	0.000	22	24.801	49.602	6.0	20.7	0.172	30	33.820	67.640	6.0	20.7	0.234
	Point 15	44	0.000	0.000		14.7	0.000	20	28.554	57.108	18.5	33.2	0.317	30	42.831	85.661	18.5	33.2	0.475
Point 16	19	0.000	0.000		14.7	0.000	25	29.513	59.027	8.0	22.7	0.224	22	25.393	50.786	7.0	21.7	0.184	
Total Oxygen Injected per Day (LBS)		0.000						2.136						2.715					
System Total Per Day (LBS)		0.00						4.01						5.05					

Appendix C
Table C-1
Operational Data
Union Boulevard Oxygen Injection System
Operations, Maintenance and Monitoring Program
Bay Shore/Brightwaters Former MGP Site
Operational Unit No. 3 (OU-3)

Weight of Oxygen Injected through Q2 2009
4,804 lbs

	Operational Days	Oxygen Injected Per Month (Lbs)
Month 1	Jul-09 31	126
Month 2	Aug-09 31	126
Month 3	Sep-09 30	117
Total Operational Days In Q3 2009		92
Total Oxygen in Q3 2009 (Lbs)		368.89
Running Total Through Q3 2009 (Lbs)		5,172.66

Notes:

SCFH (M) = Measured flow rate
 SCFH (C*) = Flow rate converted for oxygen
 CV/D (V) = Volume of oxygen injected
 PSI (M) = Measured pressure
 PSia (P) = Pressure converted to atmospheric pressure.
 n = PV/RT = Mass of Oxygen
 Temperature = Degrees Rankine
 R = Constant (0.73)

		7/22/2009							8/21/2009							10/1/2009						
		95							95							95						
		10.73							10.73							10.73						
		530							530							530						
		O2%							O2%							O2%						
		R							R							R						
		Temp R (T)							Temp R (T)							Temp R (T)						
	Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSia (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSia (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSia (P)	n=PV/RT lbs O2			
Injection Bank 1	Point 1	-	34	38.329	76.658	6.0	20.7	0.265	30	33.409	66.818	5.5	20.2	0.225	32	35.636	71.272	5.5	20.2	0.241		
	Point 2	-	34	38.329	76.658	6.0	20.7	0.265	30	33.409	66.818	5.5	20.2	0.225	32	36.074	72.149	6	20.7	0.249		
	Point 3	-	34	38.329	76.658	6.0	20.7	0.265	33	36.750	73.500	5.5	20.2	0.248	34	37.863	75.727	5.5	20.2	0.256		
	Point 4	-	34	38.789	77.579	6.5	21.2	0.275	34	38.329	76.658	6.0	20.7	0.265	30	33.820	67.640	6.0	20.7	0.234		
	Point 5	-	34	38.329	76.658	6.0	20.7	0.265	34	37.863	75.727	5.5	20.2	0.256	30	33.409	66.818	5.5	20.2	0.225		
	Point 6	-	32	36.508	73.015	6.5	21.2	0.259	34	38.329	76.658	6.0	20.7	0.265	34	38.329	76.658	6.0	20.7	0.265		
	Point 7	-	30	34.627	69.254	7.0	21.7	0.251	30	34.226	68.452	6.5	21.2	0.242	30	34.226	68.452	6.5	21.2	0.242		
	Point 8	-	36	41.553	83.105	7.0	21.7	0.301	31	35.367	70.733	6.5	21.2	0.251	30	34.226	68.452	6.5	21.2	0.242		
Total Oxygen Injected per Day (LBS)		2.146							1.978							1.955						
Injection Bank 2	Point 9	-	30	33.820	67.640	6.0	20.7	0.234	38	42.318	84.636	5.5	20.2	0.286	30	33.409	66.818	5.5	20.2	0.225		
	Point 10	-	30	34.226	68.452	6.5	21.2	0.242	36	40.584	81.168	6.0	20.7	0.281	36	40.584	81.168	6.0	20.7	0.281		
	Point 11	-	32	35.636	71.272	5.5	20.2	0.241	34	37.392	74.784	5.0	19.7	0.246	32	35.636	71.272	5.5	20.2	0.241		
	Point 12	-	30	33.820	67.640	6.0	20.7	0.234	35	38.977	77.954	5.5	20.2	0.263	34	38.329	76.658	6.0	20.7	0.265		
	Point 13	-	32	35.636	71.272	5.5	20.2	0.241	36	39.591	79.183	5.0	19.7	0.261	36	39.591	79.183	5.0	19.7	0.261		
	Point 14	-	34	37.863	75.727	5.5	20.2	0.256	36	39.591	79.183	5.0	19.7	0.261	34	37.392	74.784	5.0	19.7	0.246		
	Point 15	-	32	35.636	71.272	5.5	20.2	0.241	34	37.392	74.784	5.0	19.7	0.246	28	30.793	61.587	5.0	19.7	0.203		
	Point 16	-	30	33.409	66.818	5.5	20.2	0.225	35	38.492	76.983	5.0	19.7	0.253	30	32.993	65.986	5.0	19.7	0.217		
Total Oxygen Injected per Day (LBS)		1.913							2.096							1.938						
System Total Per Day (LBS)		4.06							4.07							3.89						

System Operating Specs

Total of 2 injection banks
 Oxygen is injected for 10 minutes during each injection cycle
 Each Injection bank operates for 12 injection cycles per day
 Each injection point injects oxygen for 120 min per day (10 min per cycle * 12 Cycles)

Example

Bank 1 starts at 7AM
 Bank 1 finishes injection at 710AM
 System is recharging 710AM to 800AM
 Bank 2 starts injection at 800AM
 Bank 2 finishes injection at 810AM
 System is recharging 810AM to 900AM
 Bank 1 starts injection at 900AM
 Bank 1 finishes injection at 910AM
 System is recharging from 910AM to 10AM
 Bank 2 starts injection at 10AM

(Keep repeating cycle for course of day)

Appendix C
Table C-2
Operational Data
Former Brightwaters Oxygen Injection System
Operations, Maintenance, and Monitoring Program
Bay Shore/Brightwaters Former MGP Site
Operational Unit No. 3 (OU-3)

Weight of Oxygen Injected through Q1 2009 6,904 lbs

Month	Operational Days	Oxygen Injected Per Month (Lbs)
Month 1	Apr-09	30
Month 2	May-09	30
Month 3	Jun-09	0
Total Operational Days In Q2 2009		60
Total Oxygen in Q2 2009 (Lbs)		282.68
Running Total Through Q2 2009 (Lbs)		7,186.68

Notes:

SCFH (M) = Measured flow rate
 SCFH (C*) = Flow rate converted for oxygen (Flow meters are calibrated for air)
 CF/D (V) = Volume of oxygen injected per day
 PSI (M) = Measured pressure
 PSia (P) = Pressure converted to atmospheric pressure.
 n = PV/RT = Mass of Oxygen
 Temperature = Degrees Rankine
 R = Constant (0.73)
 NA* - System Not Operational

The Brightwaters System was abandoned in June of 2009 in support of the OU-3 LIRR Track Relocation.

System Operating Specs

Total of 4 injection banks
 Oxygen is injected for 16 minutes during each injection cycle
 Each Injection bank operates for 4 injection cycles per day
 Each injection point injects oxygen for 64 min per day (16 min per cycle * 4 Cycles)

Example

Bank 1 starts at 7AM
 Bank 1 finishes injection at 716AM
 System is recharging 716AM to 830AM

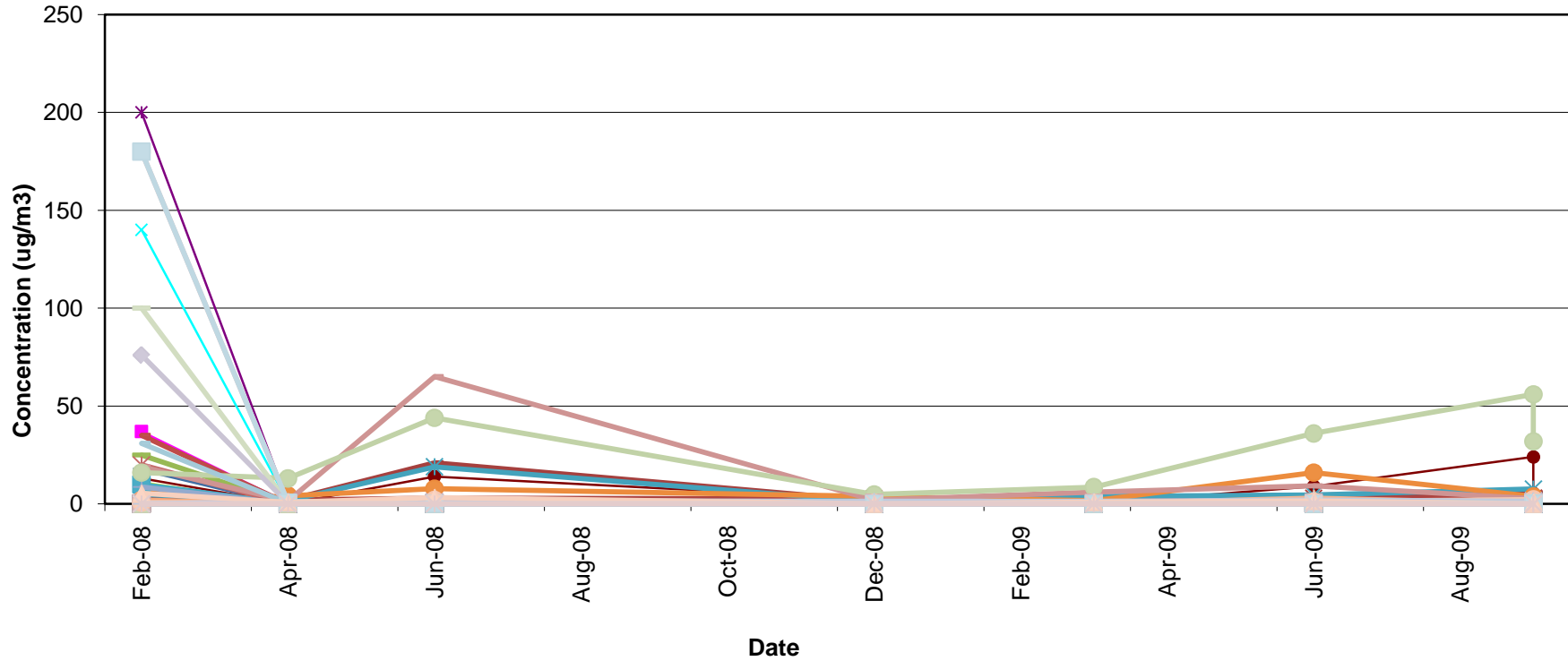
Bank 2 starts injection at 830AM
 Bank 2 finishes injection at 846AM
 System is recharging 846AM to 1000AM
 Bank 3 starts injection at 1000AM
 Bank 3 finishes injection at 1016AM
 System is recharging from 1016AM to 1130AM
 Bank 4 starts injection at 1130AM

Bank 4 Finishes injection at 1146AM
 System is recharging from 1146AM to 100PM

(Keep repeating cycle for course of day)

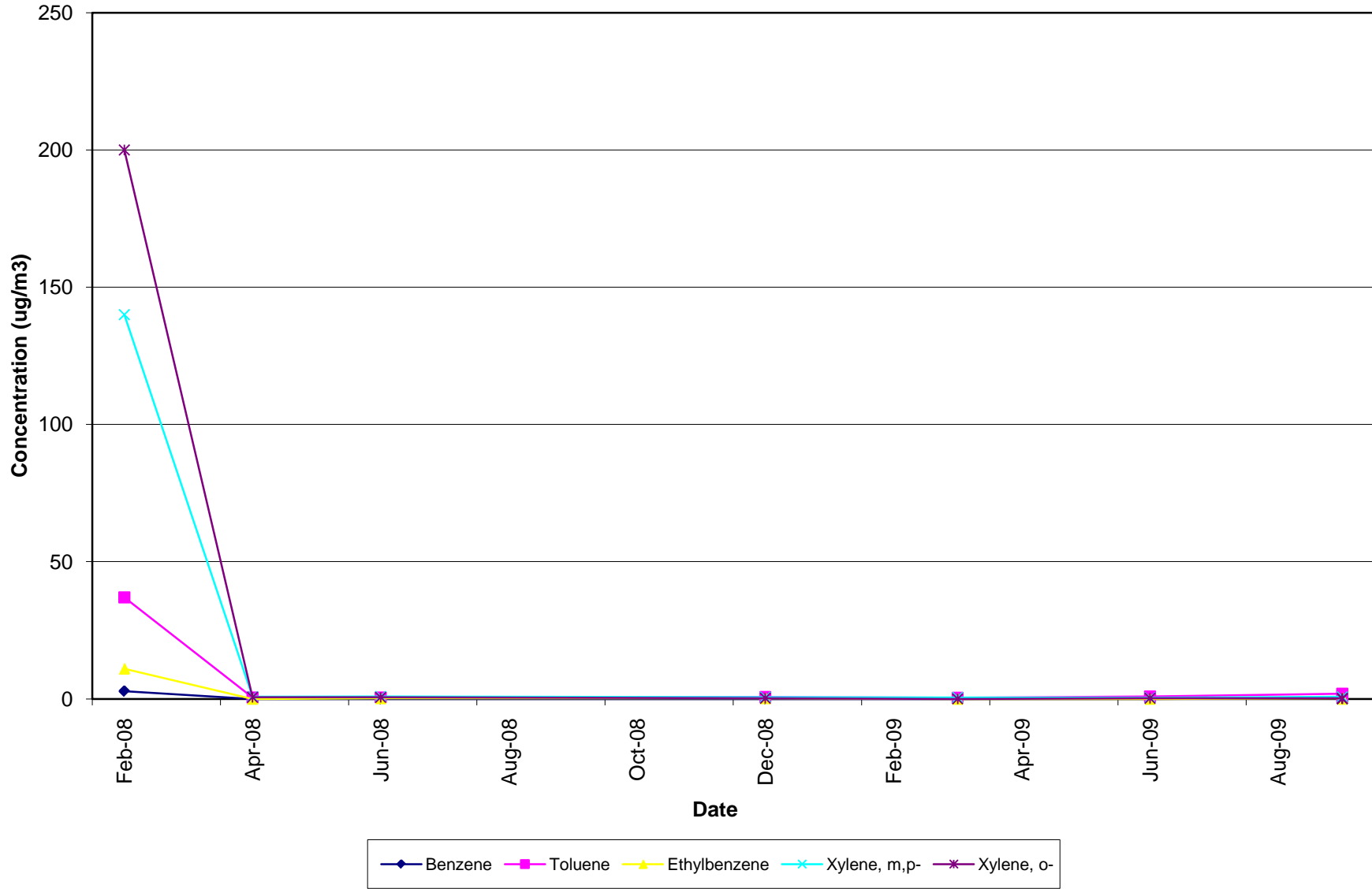
	Depth	4/23/2009						5/12/2009						95					
		10.73						10.73						10.73					
		530						530						530					
	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSia (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSia (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSia (P)	n=PV/RT lbs O2	
Injection Bank 1	Point 1	34	37.863	40.388	5.5	20.2	0.136	32	35.856	38.246	5.8	20.45	0.131	0.000	0.000		14.7	0.000	
	Point 2	32	35.192	37.538	5.0	19.7	0.124	30	33.201	35.415	5.3	19.95	0.118	0.000	0.000		14.7	0.000	
	Point 3	34	37.392	39.885	5.0	19.7	0.131	32	35.192	37.538	5.0	19.7	0.124	0.000	0.000		14.7	0.000	
	Point 4	34	38.329	40.884	6.0	20.7	0.141	32	36.074	38.479	6.0	20.7	0.133	0.000	0.000		14.7	0.000	
	Point 5	32	34.287	36.573	4.0	18.7	0.114	30	32.359	34.516	4.3	18.95	0.109	0.000	0.000		14.7	0.000	
	Point 6	34	37.392	39.885	5.0	19.7	0.131	32	35.192	37.538	5.0	19.7	0.124	0.000	0.000		14.7	0.000	
	Point 7	34	38.329	40.884	6.0	20.7	0.141	32	36.074	38.479	6.0	20.7	0.133	0.000	0.000		14.7	0.000	
	Point 8	36	42.029	44.830	7.5	22.2	0.166	33	38.309	40.862	7.3	21.95	0.150	0.000	0.000		14.7	0.000	
	Point 9	34	39.694	42.340	7.5	22.2	0.157	32	37.359	39.849	7.5	22.2	0.148	0.000	0.000		14.7	0.000	
	Point 10	34	38.329	40.884	6.0	20.7	0.141	32	36.074	38.479	6.0	20.7	0.133	0.000	0.000		14.7	0.000	
Total Oxygen Injected per Day (LBS)		1.384						1.302						0.000					
Injection Bank 2	Point 11	36	40.091	42.763	5.5	20.2	0.144	32	35.856	38.246	5.8	20.45	0.131	0.000	0.000		14.7	0.000	
	Point 12	34	37.392	39.885	5.0	19.7	0.131	30	33.409	35.636	5.5	20.2	0.120	0.000	0.000		14.7	0.000	
	Point 13	32	35.192	37.538	5.0	19.7	0.124	32	35.192	37.538	5.0	19.7	0.124	0.000	0.000		14.7	0.000	
	Point 14	32	36.074	38.479	6.0	20.7	0.133	32	36.074	38.479	6.0	20.7	0.133	0.000	0.000		14.7	0.000	
	Point 15	32	34.287	36.573	4.0	18.7	0.114	30	32.359	34.516	4.3	18.95	0.109	0.000	0.000		14.7	0.000	
	Point 16	32	35.192	37.538	5.0	19.7	0.124	32	35.192	37.538	5.0	19.7	0.124	0.000	0.000		14.7	0.000	
	Point 17	34	38.329	40.884	6.0	20.7	0.141	32	36.074	38.479	6.0	20.7	0.133	0.000	0.000		14.7	0.000	
	Point 18	36	42.029	44.830	7.5	22.2	0.166	33	38.309	40.862	7.3	21.95	0.150	0.000	0.000		14.7	0.000	
	Point 19	34	39.694	42.340	7.5	22.2	0.157	32	37.359	39.849	7.5	22.2	0.148	0.000	0.000		14.7	0.000	
	Point 20	36	40.584	43.289	6.0	20.7	0.150	32	36.074	38.479	6.0	20.7	0.133	0.000	0.000		14.7	0.000	
Total Oxygen Injected per Day (LBS)		1.384						1.304						0.000					
Injection Bank 3	Point 21	34	39.244	41.860	7.0	21.7	0.152	29	33.473	35.704	7.0	21.7	0.129	0.000	0.000		14.7	0.000	
	Point 22	32	36.936	39.398	7.0	21.7	0.143	29	33.473	35.704	7.0	21.7	0.129	0.000	0.000		14.7	0.000	
	Point 23	30	33.820	36.074	6.0	20.7	0.125	26	29.311	31.265	6.0	20.7	0.108	0.000	0.000		14.7	0.000	
	Point 24	34	38.789	41.375	6.5	21.2	0.147	30	34.226	36.508	6.5	21.2	0.129	0.000	0.000		14.7	0.000	
	Point 25	34	38.789	41.375	6.5	21.2	0.147	30	34.226	36.508	6.5	21.2	0.129	0.000	0.000		14.7	0.000	
	Point 26	34	38.789	41.375	6.5	21.2	0.147	31	35.367	37.724	6.5	21.2	0.134	0.000	0.000		14.7	0.000	
	Point 27	32	35.636	38.012	5.5	20.2	0.128	28	31.182	33.260	5.5	20.2	0.112	0.000	0.000		14.7	0.000	
	Point 28	34	37.863	40.388	5.5	20.2	0.136	30	33.820	36.074	6.0	20.7	0.125	0.000	0.000		14.7	0.000	
Point 29	32	36.074	38.479	6.0	20.7	0.133	28	31.374	33.466	5.8	20.45	0.114	0.000	0.000		14.7	0.000		
Point 30	32	36.074	38.479	6.0	20.7	0.133	29	32.494	34.661	5.8	20.45	0.118	0.000	0.000		14.7	0.000		
Total Oxygen Injected per Day (LBS)		1.390						1.229						0.000					
Injection Bank 4	Point 31	36	41.071	43.809	6.5	21.2	0.155	32	36.508	38.941	6.5	21.2	0.138	0.000	0.000		14.7	0.000	
	Point 32	34	37.863	40.388	5.5	20.2	0.136	32	35.636	38.012	5.5	20.2	0.128	0.000	0.000		14.7	0.000	
	Point 10A	34	40.138	42.814	8.0	22.7	0.162	30	35.416	37.777	8.0	22.7	0.143	0.000	0.000		14.7	0.000	
	Point 11A	34	40.138	42.814	8.0	22.7	0.162	31	36.597	39.036	8.0	22.7	0.148	0.000	0.000		14.7	0.000	
Point 11B	34	37.863	40.388	5.5	20.2	0.136	30	33.409	35.636	5.5	20.2	0.120	0.000	0.000		14.7	0.000		
Total Oxygen Injected per Day (LBS)		0.752						0.678						0.000					
System Total Per Day (LBS)		4.91						4.51						0.00					

Appendix D
Soil Vapor Analytical Results
Operable Unit No.1
Bay Shore/Brightwaters Former MGP Site
OU1SG-06

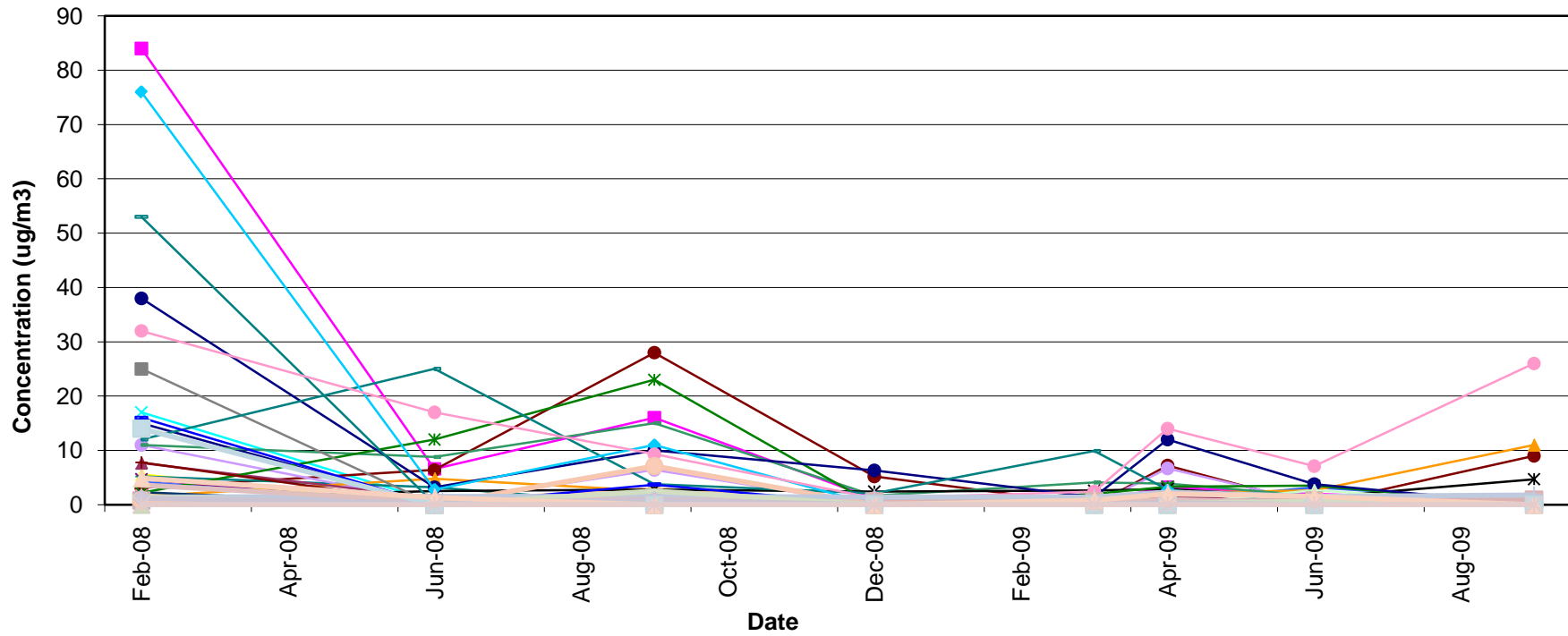


● Benzene	● Toluene	● Ethylbenzene	● Xylene, m,p-	● Xylene, o-	● Acetaldehyde
● Acetone	● Acrolein (propenal)	● Allyl chloride	● Benzothiophene	● Bromodichloromethane	● Bromoform
● Bromomethane	● Butadiene, 1,3-	● Butane	● Butanone, 2-	● Carbon disulfide	● Carbon tetrachloride
● Chlorobenzene	● Chloroethane	● Chloroform	● Chloromethane	● Chlorotoluene, 2-	● Cryofluorane
● Cyclohexane	● Decane, n-	● Dibromochloromethane	● Dibromoethane, 1,2-	● Dichlorobenzene, 1,2-	● Dichlorobenzene, 1,3-
● Dichlorobenzene, 1,4-	● Dichlorodifluoromethane	● Dichloroethane, 1,1-	● Dichloroethane, 1,2-	● Dichloroethane, 1,1-	● Dichloroethane, cis-1,2-
● Dichloropropane, 1,2-	● Dichloropropene, cis-1,3	● Dichloropropene, trans-1,3	● Dioxane, 1,4-	● Dodecane, n-	● Ethanol
● Ethylthiophene, 2-	● Ethyltoluene, p-	● Heptane, n-	● Hexachlorobutadiene	● Hexane, n-	● Hexanone, 2-
● Hydrogen sulfide	● Indan	● Indene	● Isopropyl benzene	● Methyl tert-butyl ether	● Methyl-2-pentanone, 4-
● Methylene chloride	● Methylnaphthalene, 1-	● Methylnaphthalene, 2-	● Methylthiophene, 2-	● Methylthiophene, 3-	● Naphthalene
● Nonane	● Octane, n-	● Pentane	● Propanol, 2-	● Propylbenzene, n-	● Styrene
● t-Butyl alcohol	● Tetrachloroethane, 1,1,2,2-	● Tetrachloroethene	● Tetrahydrofuran	● Tetramethylbenzene, 1,2,4,5-	● Thiophene
● Trans-1,2-dichloroethene	● Trichloro-1,2,2-trifluoroethane, 1,1,2-	● Trichlorobenzene, 1,2,4-	● Trichloroethane, 1,1,1-	● Trichloroethane, 1,1,2-	● Trichloroethene
● Trichlorofluoromethane	● Trimethylbenzene, 1,2,3-	● Trimethylbenzene, 1,2,4-	● Trimethylbenzene, 1,3,5-	● Trimethylpentane, 2,2,4-	● Undecane, n-
● Vinyl bromide	● Vinyl chloride				

Appendix D
Soil Vapor Analytical Results
Operable Unit No.1
Bay Shore/Brightwaters Former MGP Site
OU1SG06 BTEX

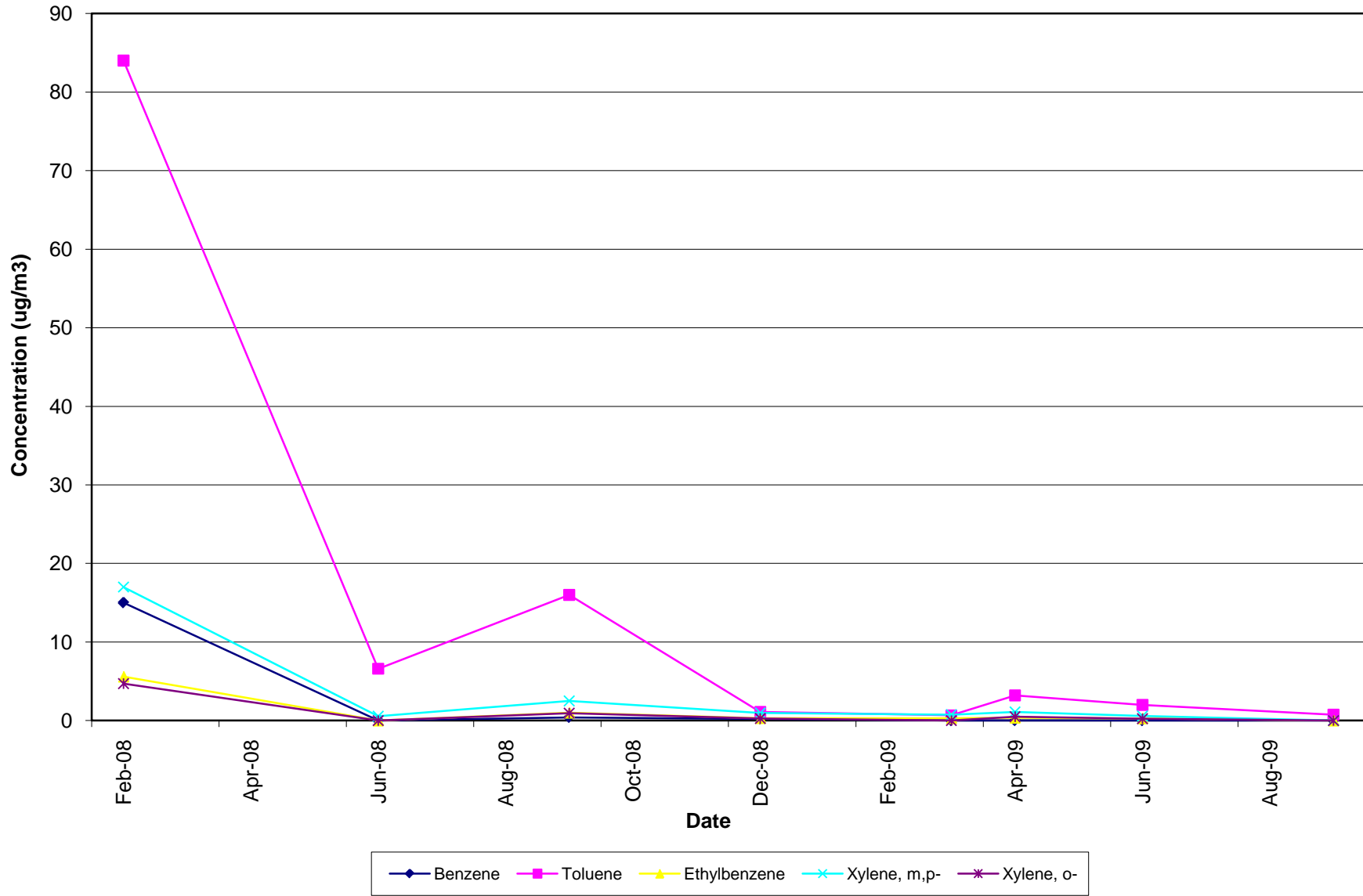


Appendix D
Soil Vapor Analytical Results
Operable Unit No.1
Bay Shore/Brightwaters Former MGP Site
OU1SG07

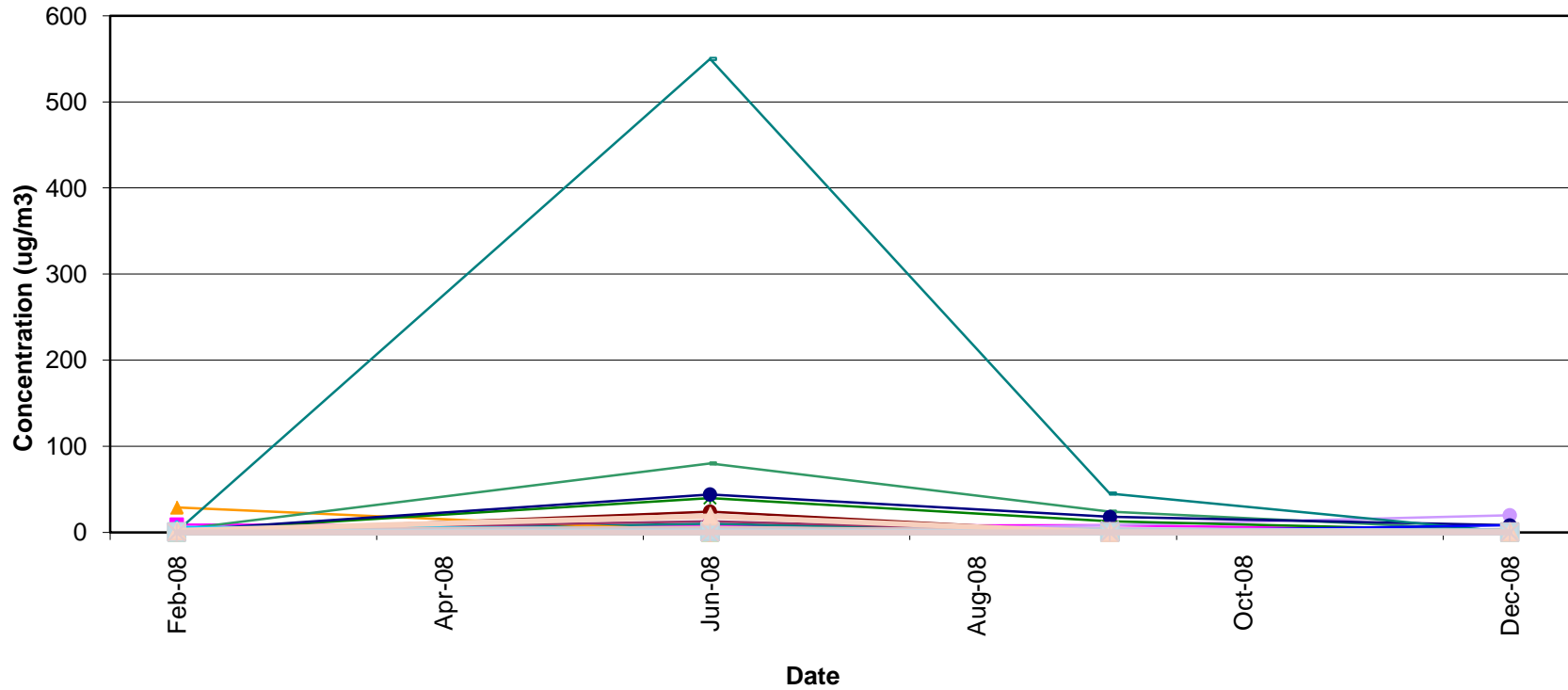


● Benzene	● Toluene	● Ethylbenzene	● Xylene, m,p	● Xylene, o-
● Acetaldehyde	● Acetone	● Acrolein (propenal)	● Allyl chloride	● Benzothiophene
● Bromodichloromethane	● Bromoform	● Bromomethane	● Butadiene, 1,3-	● Butane
● Butanone, 2-	● Carbon disulfide	● Carbon tetrachloride	● Chlorobenzene	● Chloroethane
● Chloroform	● Chloromethane	● Chlorotoluene, 2-	● Cryofluorane	● Cyclohexane
● Decane, n-	● Dibromochloromethane	● Dibromoethane, 1,2-	● Dichlorobenzene, 1,2-	● Dichlorobenzene, 1,3-
● Dichlorobenzene, 1,4-	● Dichlorodifluoromethane	● Dichloroethane, 1,1-	● Dichloroethane, 1,2-	● Dichloroethene, 1,1-
● Dichloroethene, cis-1,2-	● Dichloropropane, 1,2-	● Dichloropropene, cis-1,3	● Dichloropropene, trans-1,3	● Dioxane, 1,4-
● Dodecane, n-	● Ethanol	● Ethylthiophene, 2-	● Ethyltoluene, p-	● Heptane, n-
● Hexachlorobutadiene	● Hexane, n-	● Hexanone, 2-	● Hydrogen sulfide	● Indan
● Indene	● Isopropyl benzene	● Methyl tert-butyl ether	● Methyl-2-pentanone, 4-	● Methylene chloride
● Methylnaphthalene, 1-	● Methylnaphthalene, 2-	● Methylthiophene, 2-	● Methylthiophene, 3-	● Naphthalene
● Nonane	● Octane, n-	● Pentane	● Propanol, 2-	● Propylbenzene, n-
● Styrene	● t-Butyl alcohol	● Tetrachloroethane, 1,1,2,2-	● Tetrachloroethene	● Tetrahydrofuran
● Tetramethylbenzene, 1,2,4,5-	● Thiophene	● Trans-1,2-dichloroethene	● Trichloro-1,2,2-trifluoroethane, 1,1,2-	● Trichlorobenzene, 1,2,4-
● Trichloroethane, 1,1,1-	● Trichloroethane, 1,1,2-	● Trichloroethene	● Trichlorofluoromethane	● Trimethylbenzene, 1,2,3-
● Trimethylbenzene, 1,2,4-	● Trimethylbenzene, 1,3,5-	● Trimethylpentane, 2,2,4-	● Undecane, n-	● Vinyl bromide
● Vinyl chloride				

Appendix D
Soil Vapor Analytical Results
Operable Unit No.1
Bay Shore/Brightwaters Former MGP Site
OU1SG07 BTEX

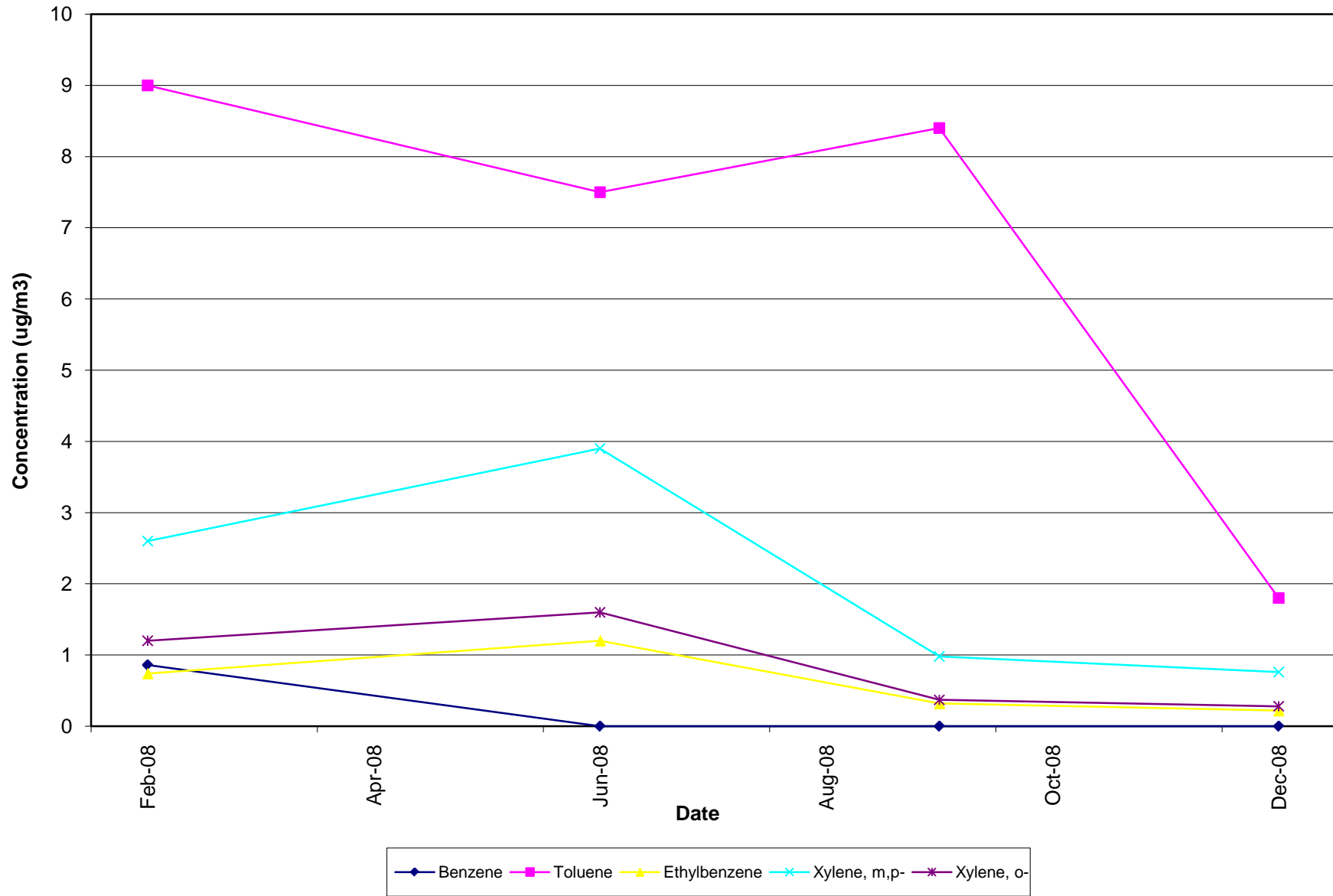


Appendix D
Soil Vapor Analytical Results
Operable Unit No.1
Bay Shore/Brightwaters Former MGP Site
OU1SG08

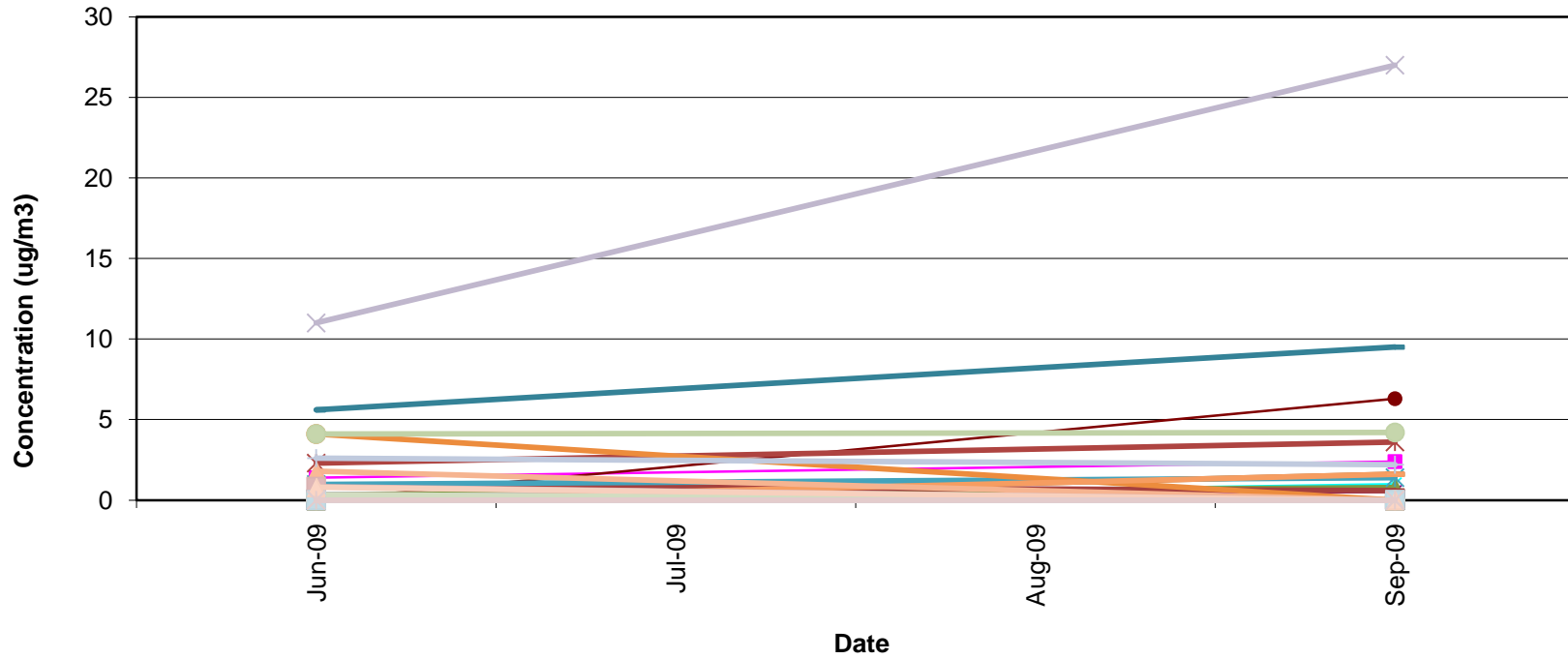


Benzene	Toluene	Ethylbenzene	Xylene, m,p	Xylene, o-
Acetaldehyde	Acetone	Acrolein (propenal)	Allyl chloride	Benzothiophene
Bromodichloromethane	Bromoform	Bromomethane	Butadiene, 1,3-	Butane
Butanone, 2-	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane
Chloroform	Chloromethane	Chlorotoluene, 2-	Cryofluorane	Cyclohexane
Decane, n-	Dibromochloromethane	Dibromoethane, 1,2-	Dichlorobenzene, 1,2-	Dichlorobenzene, 1,3-
Dichlorobenzene, 1,4-	Dichlorodifluoromethane	Dichloroethane, 1,1-	Dichloroethane, 1,2-	Dichloroethene, 1,1-
Dichloroethene, cis-1,2-	Dichloropropane, 1,2-	Dichloropropene, cis-1,3	Dichloropropene, trans-1,3	Dioxane, 1,4-
Dodecane, n-	Ethanol	Ethylthiophene, 2-	Ethyltoluene, p-	Heptane, n-
Hexachlorobutadiene	Hexane, n-	Hexanone, 2-	Hydrogen sulfide	Indan
Indene	Isopropyl benzene	Methyl tert-butyl ether	Methyl-2-pentanone, 4-	Methylene chloride
Methylnaphthalene, 1-	Methylnaphthalene, 2-	Methylthiophene, 2-	Methylthiophene, 3-	Naphthalene
Nonane	Octane, n-	Pentane	Propanol, 2-	Propylbenzene, n-
Styrene	t-Butyl alcohol	Tetrachloroethane, 1,1,2,2-	Tetrachloroethene	Tetrahydrofuran
Tetramethylbenzene, 1,2,4,5-	Thiophene	Trans-1,2-dichloroethene	Trichloro-1,2,2-trifluoroethane, 1,1,2-	Trichlorobenzene, 1,2,4-
Trichloroethane, 1,1,1-	Trichloroethane, 1,1,2-	Trichloroethene	Trichlorofluoromethane	Trimethylbenzene, 1,2,3-
Trimethylbenzene, 1,2,4-	Trimethylbenzene, 1,3,5-	Trimethylpentane, 2,2,4-	Undecane, n-	Vinyl bromide
Vinyl chloride				

Appendix D
Soil Vapor Analytical Results
Operable Unit No.1
Bay Shore/Brightwaters Former MGP Site
OU1SG08 BTEX

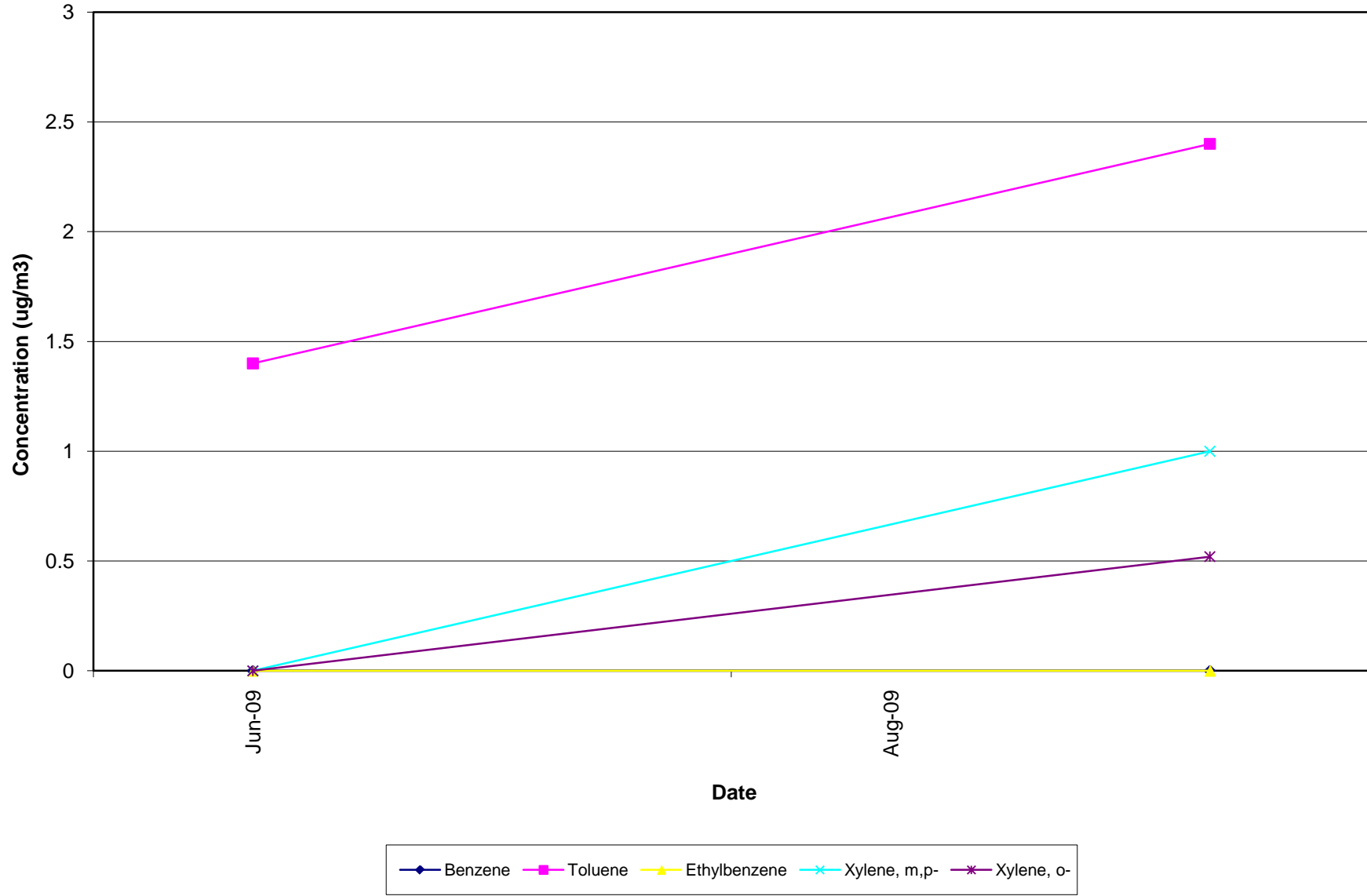


Appendix D
Soil Vapor Analytical Results
Operable Unit No.1
Bay Shore/Brightwaters Former MGP Site
OU1SG09

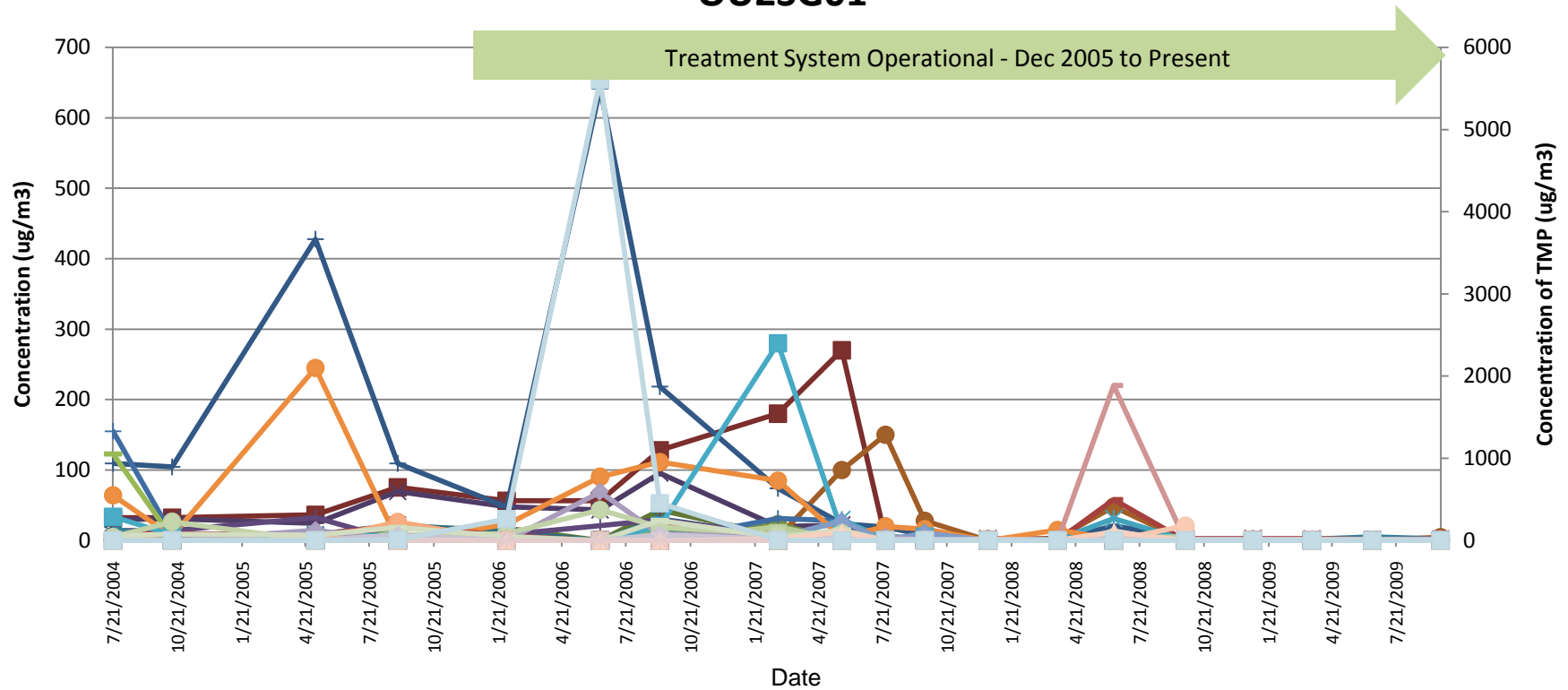


◆ Benzene	◆ Toluene	◆ Ethylbenzene	◆ Xylene, m,p-	◆ Xylene, o-
◆ Acetaldehyde	◆ Acetone	◆ Acrolein (propenal)	◆ Allyl chloride	◆ Benzothiophene
◆ Bromodichloromethane	◆ Bromoform	◆ Bromomethane	◆ Butadiene, 1,3-	◆ Butane
◆ Butanone, 2-	◆ Carbon disulfide	◆ Carbon tetrachloride	◆ Chlorobenzene	◆ Chloroethane
◆ Chloroform	◆ Chloromethane	◆ Chlorotoluene, 2-	◆ Cryofluorane	◆ Cyclohexane
◆ Decane, n-	◆ Dibromochloromethane	◆ Dibromoethane, 1,2-	◆ Dichlorobenzene, 1,2-	◆ Dichlorobenzene, 1,3-
◆ Dichlorobenzene, 1,4-	◆ Dichlorodifluoromethane	◆ Dichloroethane, 1,1-	◆ Dichloroethane, 1,2-	◆ Dichloroethene, 1,1-
◆ Dichloroethene, cis-1,2-	◆ Dichloropropane, 1,2-	◆ Dichloropropene, cis-1,3	◆ Dichloropropene, trans-1,3	◆ Dioxane, 1,4-
◆ Dodecane, n-	◆ Ethanol	◆ Ethylthiophene, 2-	◆ Ethyltoluene, p-	◆ Heptane, n-
◆ Hexachlorobutadiene	◆ Hexane, n-	◆ Hexanone, 2-	◆ Hydrogen sulfide	◆ Indan
◆ Indene	◆ Isopropyl benzene	◆ Methyl tert-butyl ether	◆ Methyl-2-pentanone, 4-	◆ Methylene chloride
◆ Methylnaphthalene, 1-	◆ Methylnaphthalene, 2-	◆ Methylthiophene, 2-	◆ Methylthiophene, 3-	◆ Naphthalene
◆ Nonane	◆ Octane, n-	◆ Pentane	◆ Propanol, 2-	◆ Propylbenzene, n-
◆ Styrene	◆ t-Butyl alcohol	◆ Tetrachloroethane, 1,1,2,2-	◆ Tetrachloroethene	◆ Tetrahydrofuran
◆ Tetramethylbenzene, 1,2,4,5-	◆ Thiophene	◆ Trans-1,2-dichloroethene	◆ Trichloro-1,2,2-trifluoroethane, 1,1,2-	◆ Trichlorobenzene, 1,2,4-
◆ Trichloroethane, 1,1,1-	◆ Trichloroethane, 1,1,2-	◆ Trichloroethene	◆ Trichlorofluoromethane	◆ Trimethylbenzene, 1,2,3-
◆ Trimethylbenzene, 1,2,4-	◆ Trimethylbenzene, 1,3,5-	◆ Trimethylpentane, 2,2,4-	◆ Undecane, n-	◆ Vinyl bromide
◆ Vinyl chloride				

Appendix D
Soil Vapor Analytical Results
Operable Unit No.1
Bay Shore/Brightwaters Former MGP Site
OU1SG09 BTEX

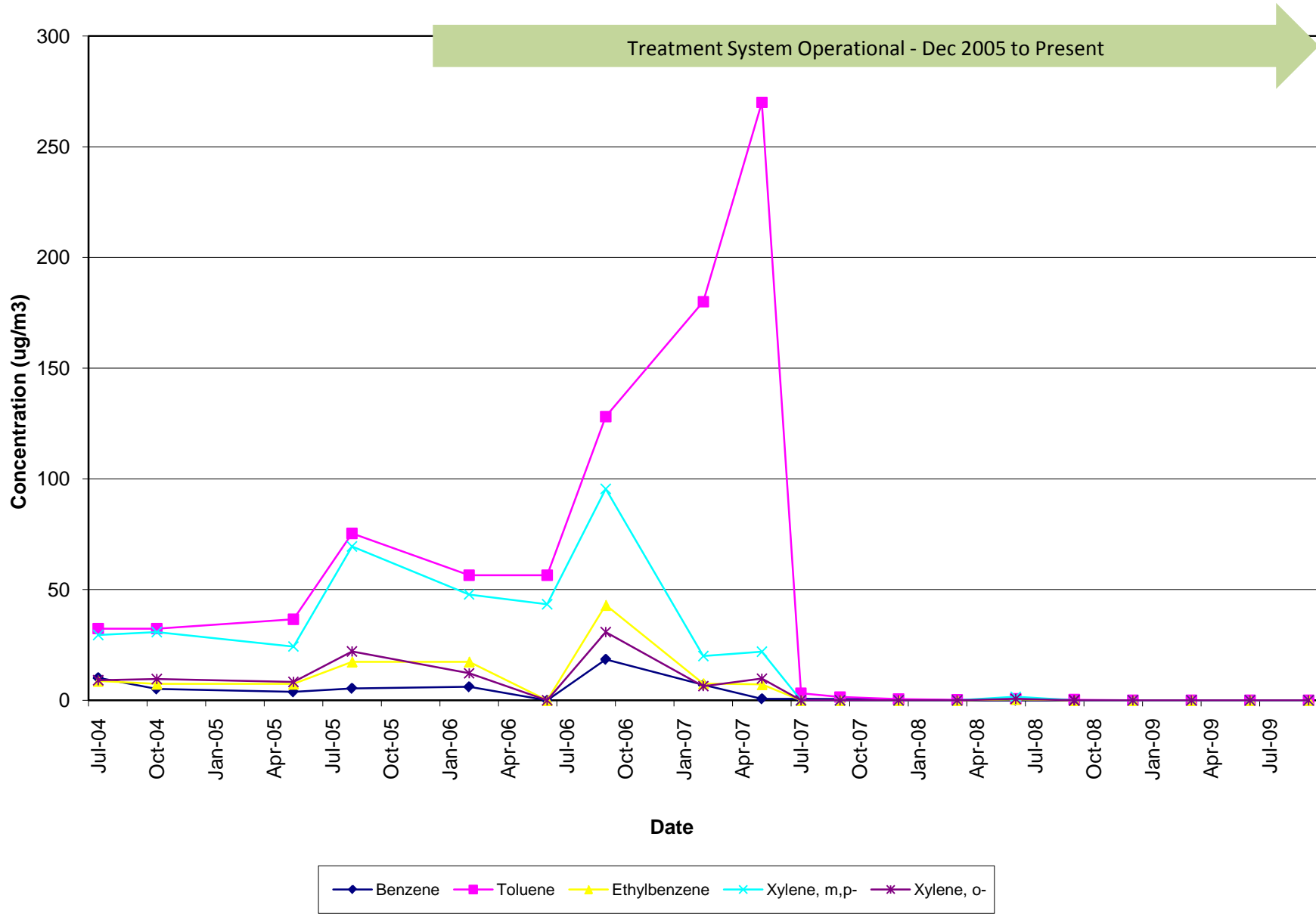


OU2SG01

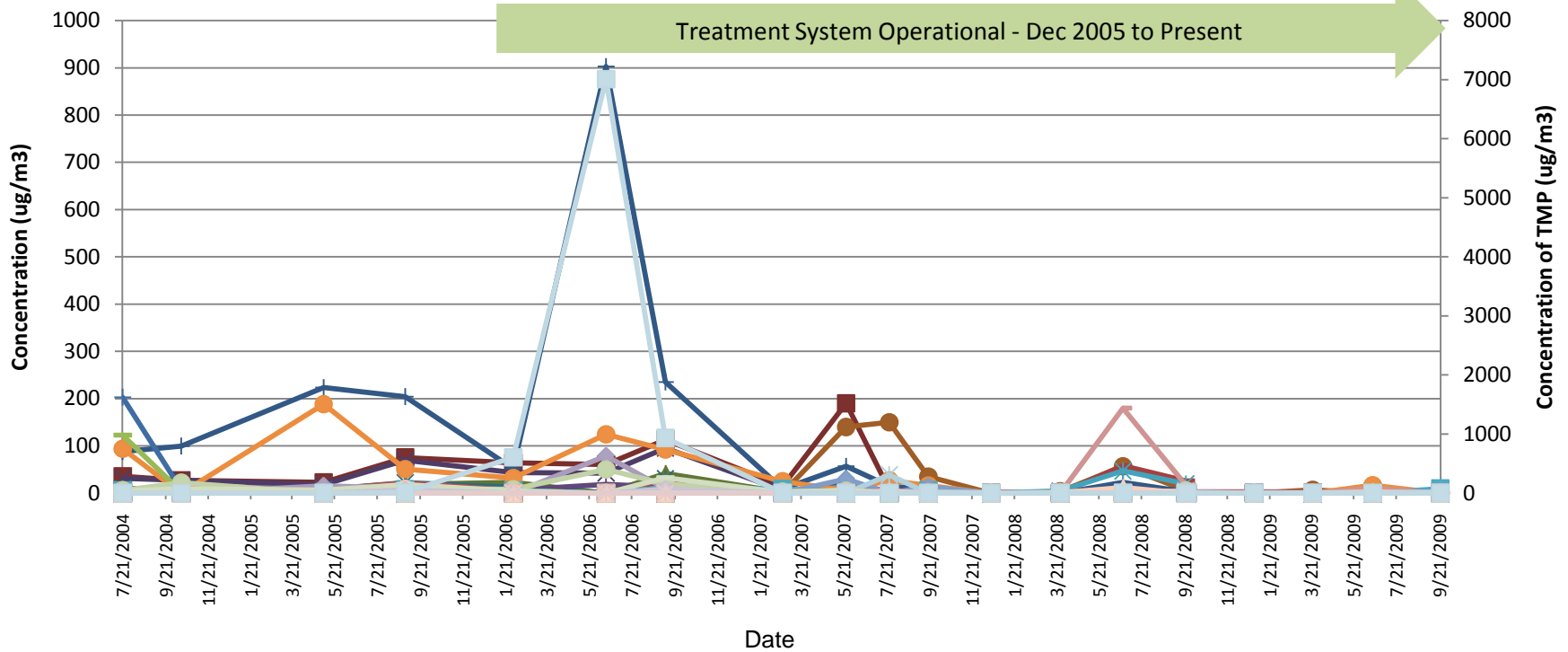


Benzene	Toluene	Ethylbenzene	Xylene, m,p-	Xylene, o-	Acetaldehyde
Acetone	Acrolein (propenal)	Allyl chloride	Benzothiophene	Bromodichloromethane	Bromoform
Bromomethane	Butadiene, 1,3-	Butane	Butanone, 2-	Carbon disulfide	Carbon tetrachloride
Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Chlorotoluene, 2-	Cryofluorane
Cyclohexane	Decane, n-	Dibromochloromethane	Dibromoethane, 1,2-	Dichlorobenzene, 1,2-	Dichlorobenzene, 1,3-
Dichlorobenzene, 1,4-	Dichlorodifluoromethane	Dichloroethane, 1,1-	Dichloroethane, 1,2-	Dichloroethene, 1,1-	Dichloroethene, cis-1,2-
Dichloropropane, 1,2-	Dichloropropene, cis-1,3	Dichloropropene, trans-1,3	Dioxane, 1,4-	Dodecane, n-	Ethanol
Ethylthiophene, 2-	Ethyltoluene, p-	Heptane, n-	Hexachlorobutadiene	Hexane, n-	Hexanone, 2-
Hydrogen sulfide	Indan	Indene	Isopropyl benzene	Methyl tert-butyl ether	Methyl-2-pentanone, 4-
Methylene chloride	Methylnaphthalene, 1-	Methylnaphthalene, 2-	Methylthiophene, 2-	Methylthiophene, 3-	Naphthalene
Nonane	Octane, n-	Pentane	Propanol, 2-	Propylbenzene, n-	Styrene
t-Butyl alcohol	Tetrachloroethane, 1,1,2,2-	Tetrachloroethene	Tetrahydrofuran	Tetramethylbenzene, 1,2,4,5-	Thiophene
Trans-1,2-dichloroethene	Trichloro-1,2,2-trifluoroethane, 1,1,2-	Trichlorobenzene, 1,2,4-	Trichloroethane, 1,1,1-	Trichloroethane, 1,1,2-	Trichloroethene
Trichlorofluoromethane	Trimethylbenzene, 1,2,3-	Trimethylbenzene, 1,2,4-	Trimethylbenzene, 1,3,5-	Undecane, n-	Vinyl bromide
Vinyl chloride	Trimethylpentane, 2,2,4-				

Appendix D
 Soil Vapor Analytical Results
 Operable Unit No.2
 Bay Shore/Brightwaters Former MGP Site
OU2SG01 BTEX



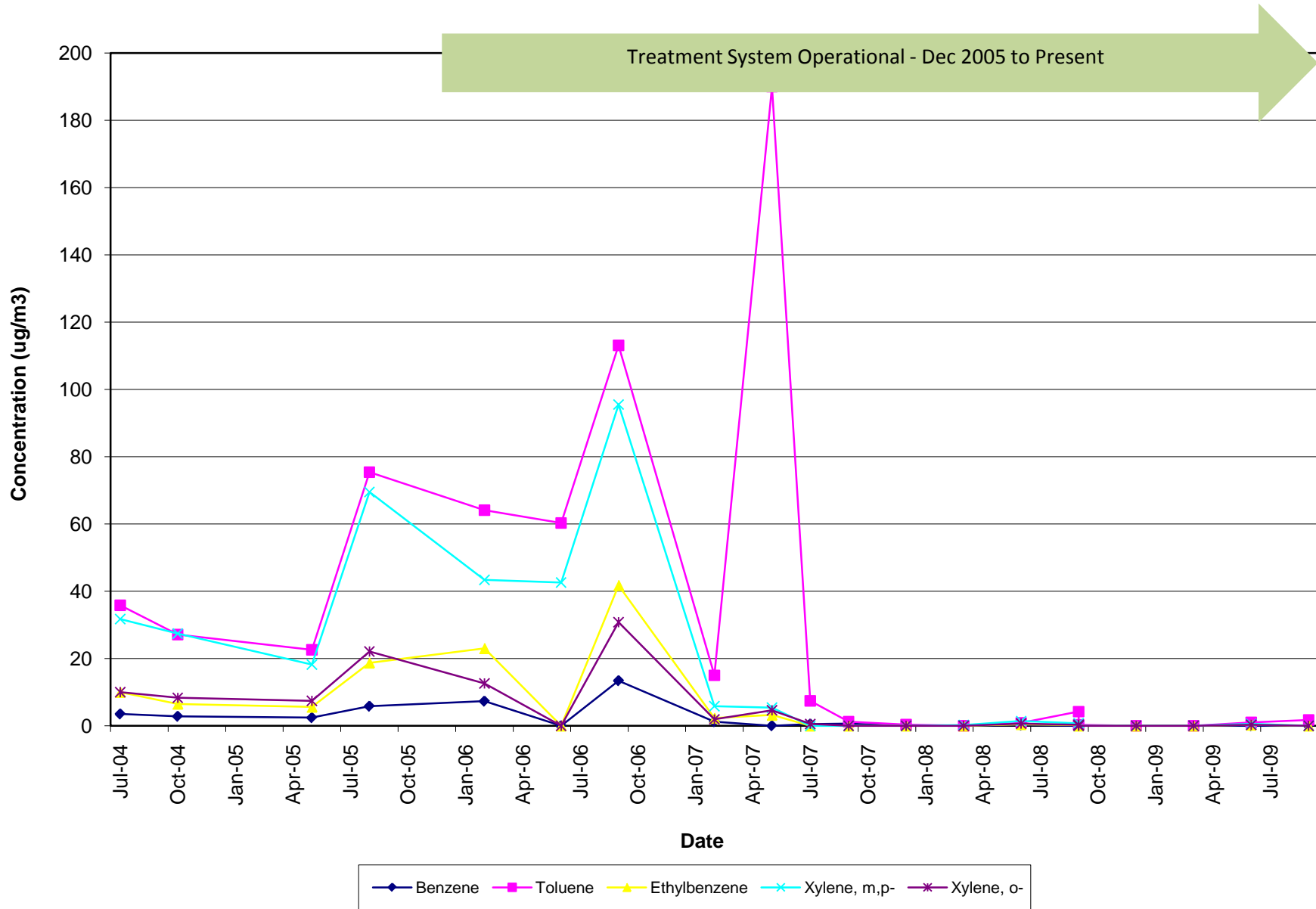
OU2SG02



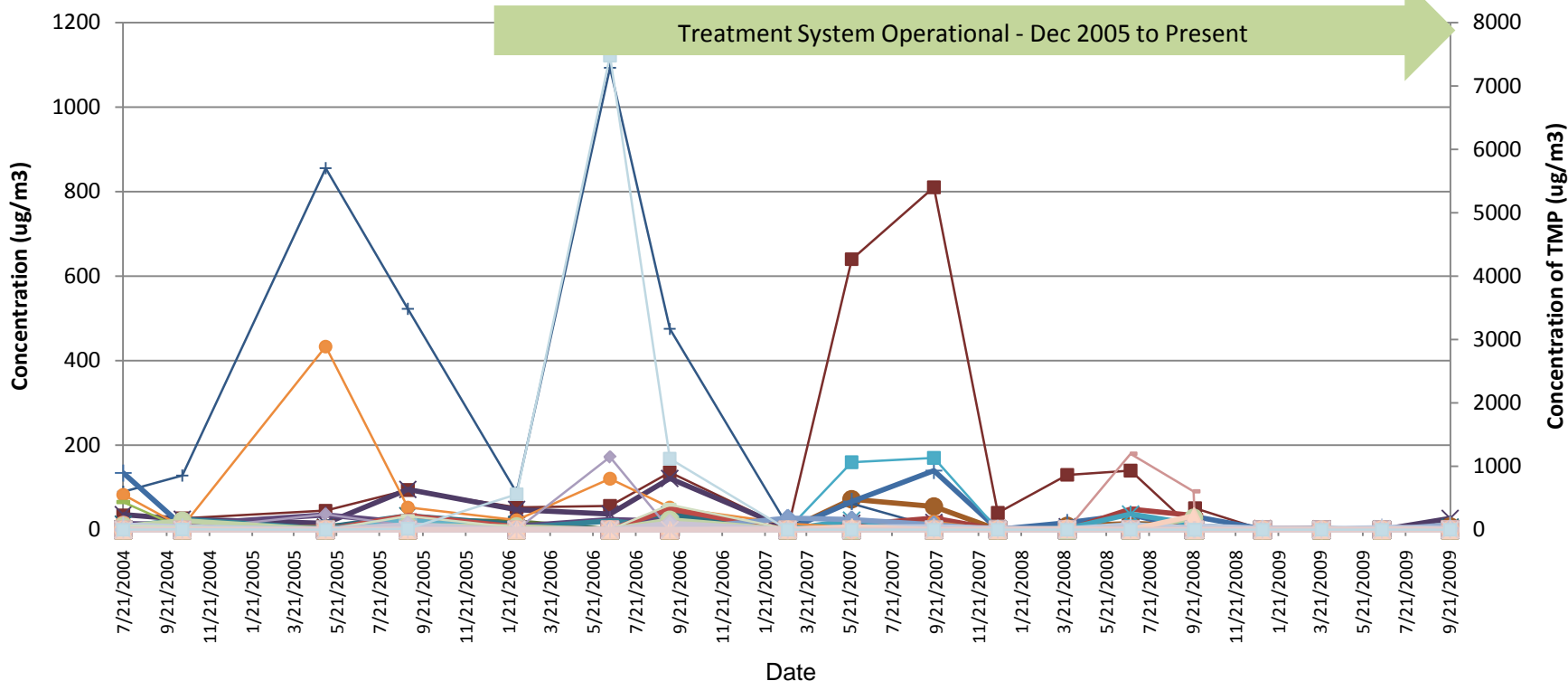
Date

Benzene	Toluene	Ethylbenzene	Xylene, m,p	Xylene, o
Acetaldehyde	Acetone	Acrolein (propenal)	Allyl chloride	Benzothiophene
Bromodichloromethane	Bromoform	Bromomethane	Butadiene, 1,3-	Butane
Butanone, 2-	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane
Chloroform	Chloromethane	Chlorotoluene, 2-	Cryofluorane	Cyclohexane
Decane, n-	Dibromochloromethane	Dibromoethane, 1,2-	Dichlorobenzene, 1,2-	Dichlorobenzene, 1,3-
Dichlorobenzene, 1,4-	Dichlorodifluoromethane	Dichloroethane, 1,1-	Dichloroethane, 1,2-	Dichloroethene, 1,1-
Dichloroethene, cis-1,2-	Dichloropropane, 1,2-	Dichloropropene, cis-1,3	Dichloropropene, trans-1,3	Dioxane, 1,4-
Dodecane, n-	Ethanol	Ethylthiophene, 2-	Ethyltoluene, p-	Heptane, n-
Hexachlorobutadiene	Hexane, n-	Hexanone, 2-	Hydrogen sulfide	Indan
Indene	Isopropyl benzene	Methyl tert-butyl ether	Methyl-2-pentanone, 4-	Methylene chloride
Methylnaphthalene, 1-	Methylnaphthalene, 2-	Methylthiophene, 2-	Methylthiophene, 3-	Naphthalene
Nonane	Octane, n-	Pentane	Propanol, 2-	Propylbenzene, n-
Styrene	t-Butyl alcohol	Tetrachloroethane, 1,1,2,2-	Tetrachloroethene	Tetrahydrofuran
Tetramethylbenzene, 1,2,4,5-	Thiophene	Trans-1,2-dichloroethene	Trichloro-1,2,2-trifluoroethane, 1,1,2-	Trichlorobenzene, 1,2,4-
Trichloroethane, 1,1,1-	Trichloroethane, 1,1,2-	Trichloroethene	Trichlorofluoromethane	Trimethylbenzene, 1,2,3-
Trimethylbenzene, 1,2,4-	Trimethylbenzene, 1,3,5-	Undecane, n-	Vinyl bromide	Vinyl chloride
Trimethylpentane, 2,2,4-				

Appendix D
 Soil Vapor Analytical Results
 Operable Unit No.2
 Bay Shore/Brightwaters Former MGP Site
OU2SG02 BTEX

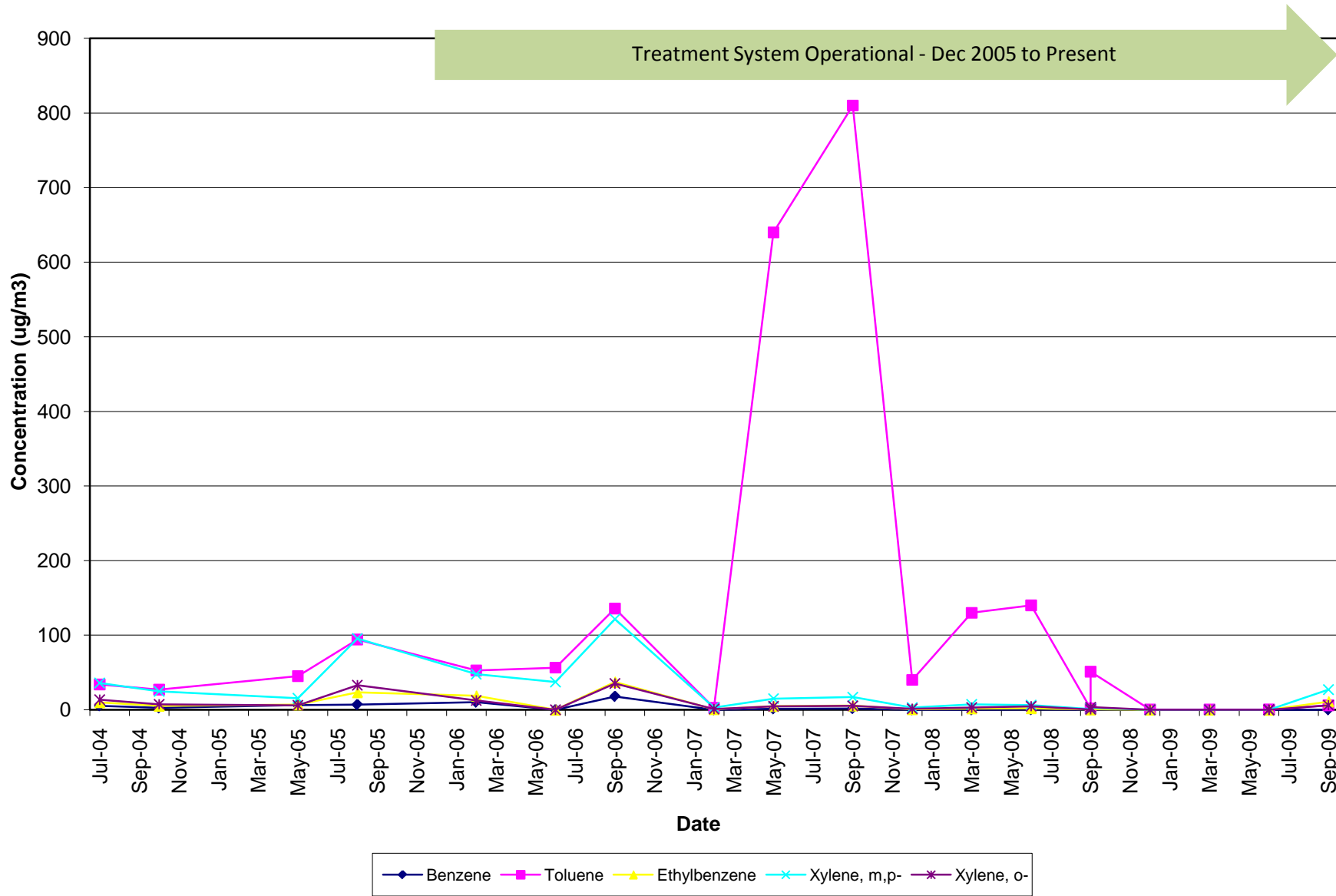


OU2SG03

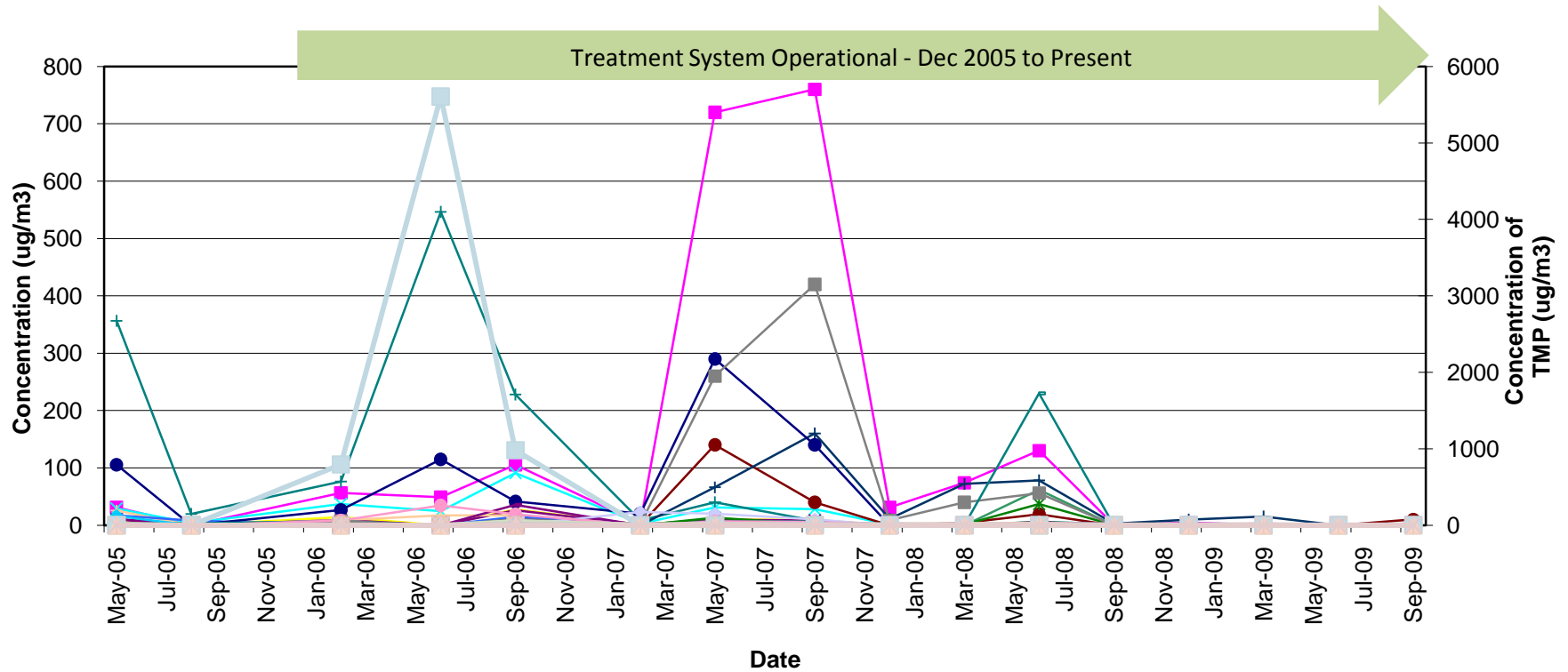


Benzene	Toluene	Ethylbenzene	Xylene, m,p	Xylene, o-	Acetaldehyde
Acetone	Acrolein (propenal)	Allyl chloride	Benzothiophene	Bromodichloromethane	Bromoform
Bromomethane	Butadiene, 1,3-	Butane	Butanone, 2-	Carbon disulfide	Carbon tetrachloride
Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Chlorotoluene, 2-	Cryofluorane
Cyclohexane	Decane, n-	Dibromochloromethane	Dibromoethane, 1,2-	Dichlorobenzene, 1,2-	Dichlorobenzene, 1,3-
Dichlorobenzene, 1,4-	Dichlorodifluoromethane	Dichloroethane, 1,1-	Dichloroethane, 1,2-	Dichloroethene, 1,1-	Dichloroethene, cis-1,2-
Dichloropropane, 1,2-	Dichloropropene, cis-1,3	Dichloropropene, trans-1,3	Dioxane, 1,4-	Dodecane, n-	Ethanol
Ethylthiophene, 2-	Ethyltoluene, p-	Heptane, n-	Hexachlorobutadiene	Hexane, n-	Hexanone, 2-
Hydrogen sulfide	Indan	Indene	Isopropyl benzene	Methyl tert-butyl ether	Methyl-2-pentanone, 4-
Methylene chloride	Methylnaphthalene, 1-	Methylnaphthalene, 2-	Methylthiophene, 2-	Methylthiophene, 3-	Naphthalene
Nonane	Octane, n-	Pentane	Propanol, 2-	Propylbenzene, n-	Styrene
t-Butyl alcohol	Tetrachloroethane, 1,1,2,2-	Tetrachloroethene	Tetrahydrofuran	Tetramethylbenzene, 1,2,4,5-	Thiophene
Trans-1,2-dichloroethene	Trichloro-1,2,2-trifluoroethane, 1,1,2-	Trichlorobenzene, 1,2,4-	Trichloroethane, 1,1,1-	Trichloroethane, 1,1,2-	Trichloroethene
Trichlorofluoromethane	Trimethylbenzene, 1,2,3-	Trimethylbenzene, 1,2,4-	Trimethylbenzene, 1,3,5-	Undecane, n-	Vinyl bromide
Vinyl chloride	Trimethylpentane, 2,2,4-				

Appendix D
 Soil Vapor Analytical Results
 Operable Unit No.2
 Bay Shore/Brightwaters Former MGP Site
OU2SG03 BTEX

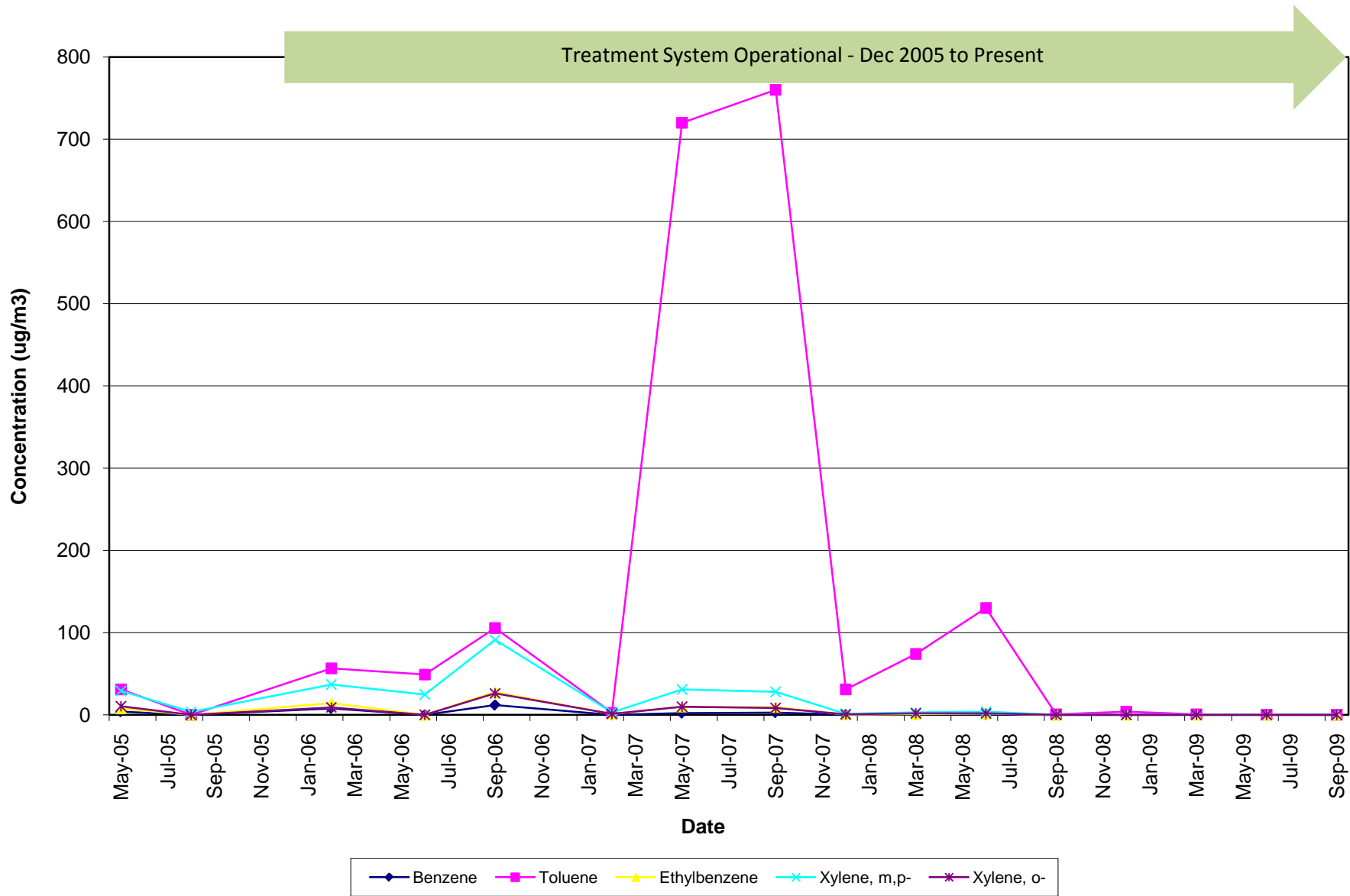


Appendix D
Soil Vapor Analytical Results
Operable Unit No.2
Bay Shore/Brightwaters Former MGP Site
OU2SG04

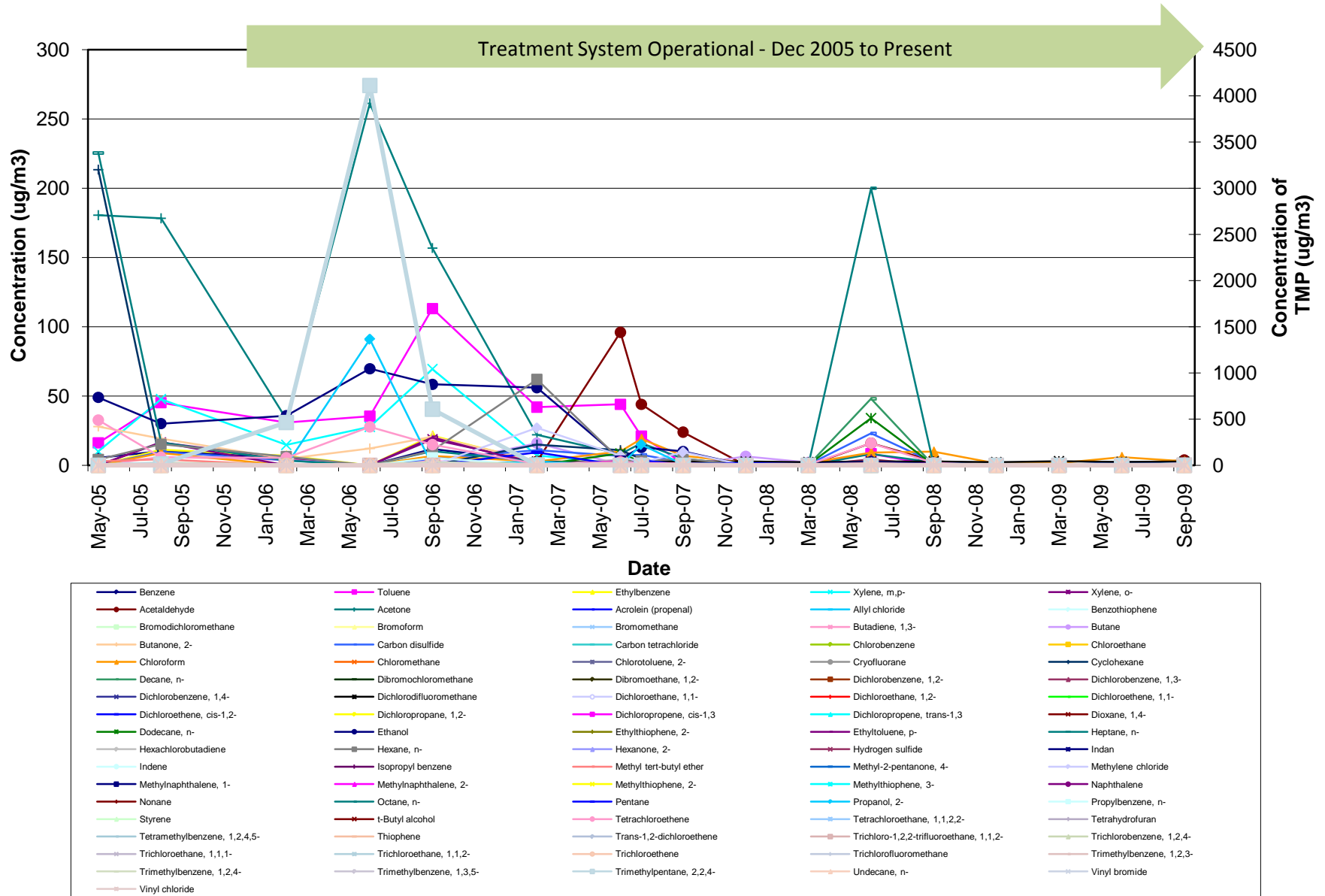


Benzene	Toluene	Ethylbenzene	Xylene, m,p-	Xylene, o-
Acetaldehyde	Acetone	Acrolein (propenal)	Allyl chloride	Benzothiophene
Bromodichloromethane	Bromoform	Bromomethane	Butadiene, 1,3-	Butane
Butanone, 2-	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane
Chloroform	Chloromethane	Chlorotoluene, 2-	Cryofluorane	Cyclohexane
Decane, n-	Dibromochloromethane	Dibromoethane, 1,2-	Dichlorobenzene, 1,2-	Dichlorobenzene, 1,3-
Dichlorobenzene, 1,4-	Dichlorodifluoromethane	Dichloroethane, 1,1-	Dichloroethane, 1,2-	Dichloroethene, 1,1-
Dichloroethene, cis-1,2-	Dichloropropane, 1,2-	Dichloropropene, cis-1,3	Dichloropropene, trans-1,3	Dioxane, 1,4-
Dodecane, n-	Ethanol	Ethylthiophene, 2-	Ethyltoluene, p-	Heptane, n-
Hexachlorobutadiene	Hexane, n-	Hexanone, 2-	Hydrogen sulfide	Indan
Indene	Isopropyl benzene	Methyl tert-butyl ether	Methyl-2-pentanone, 4-	Methylene chloride
Methylnaphthalene, 1-	Methylnaphthalene, 2-	Methylthiophene, 2-	Methylthiophene, 3-	Naphthalene
Nonane	Octane, n-	Pentane	Propanol, 2-	Propylbenzene, n-
Styrene	t-Butyl alcohol	Tetrachloroethene	Tetrachloroethane, 1,1,2,2-	Tetrahydrofuran
Tetramethylbenzene, 1,2,4,5-	Thiophene	Trans-1,2-dichloroethene	Trichloro-1,2,2-trifluoroethane, 1,1,2-	Trichlorobenzene, 1,2,4-
Trichloroethane, 1,1,1-	Trichloroethane, 1,1,2-	Trichloroethene	Trichlorofluoromethane	Trimethylbenzene, 1,2,3-
Trimethylbenzene, 1,2,4-	Trimethylbenzene, 1,3,5-	Trimethylpentane, 2,2,4-	Undecane, n-	Vinyl bromide
Vinyl chloride				

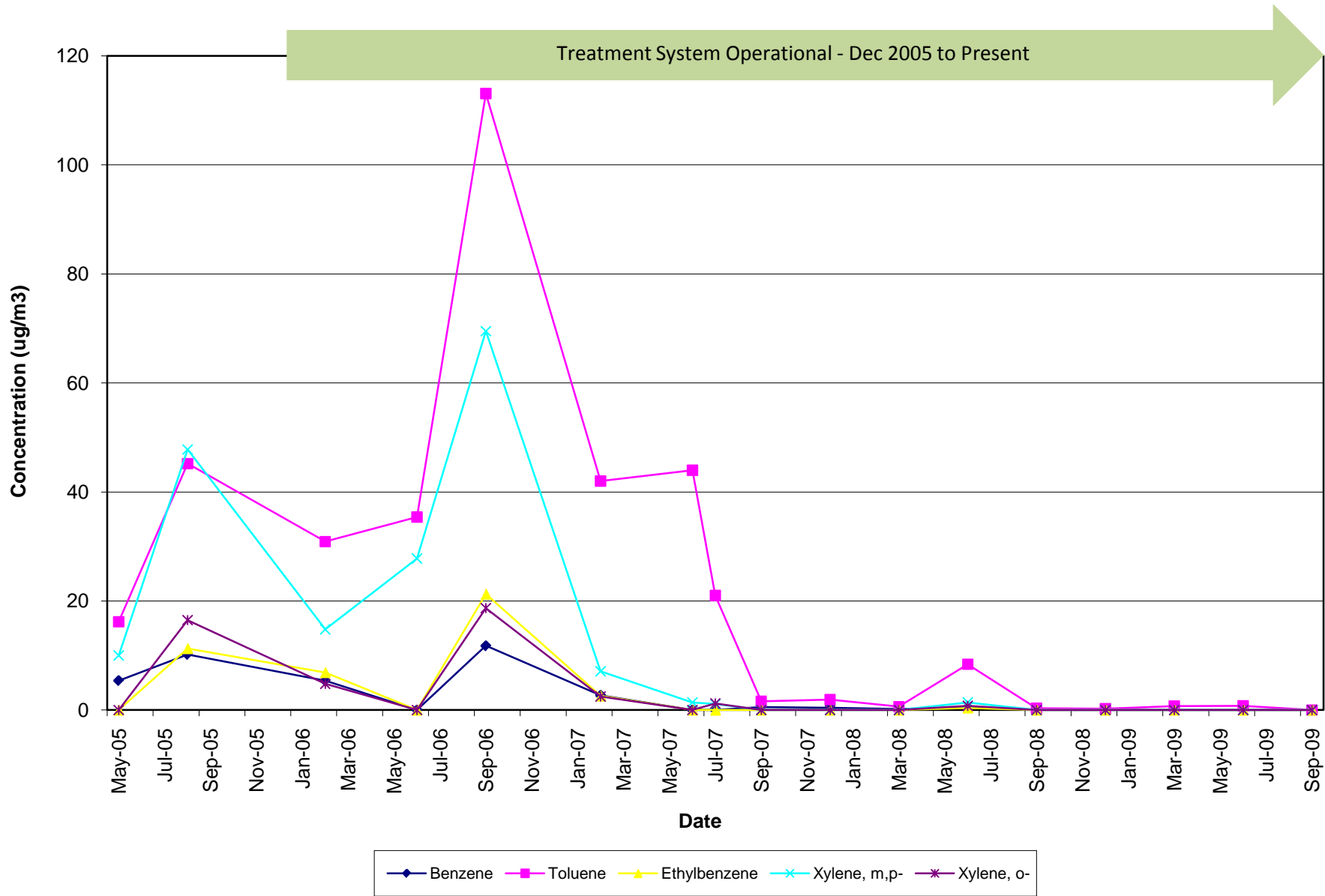
Appendix D
 Soil Vapor Analytical Results
 Operable Unit No.2
 Bay Shore/Brightwaters Former MGP Site
OU2SG04 BTEX



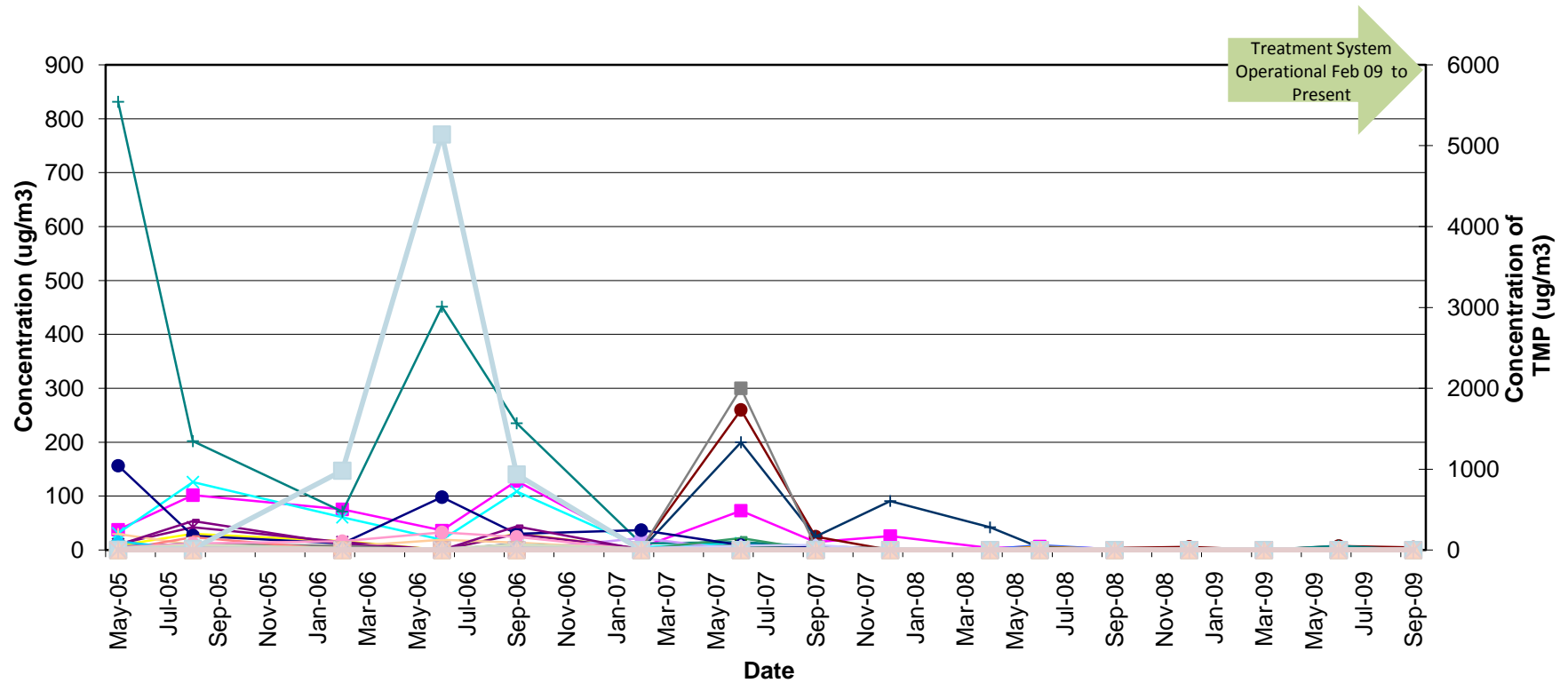
Appendix D
Soil Vapor Analytical Results
Operable Unit No.2
Bay Shore/Brightwaters Former MGP Site
OU2SG05



Appendix D
 Soil Vapor Analytical Results
 Operable Unit No.2
 Bay Shore/Brightwaters Former MGP Site
OU2SG05 BTEX

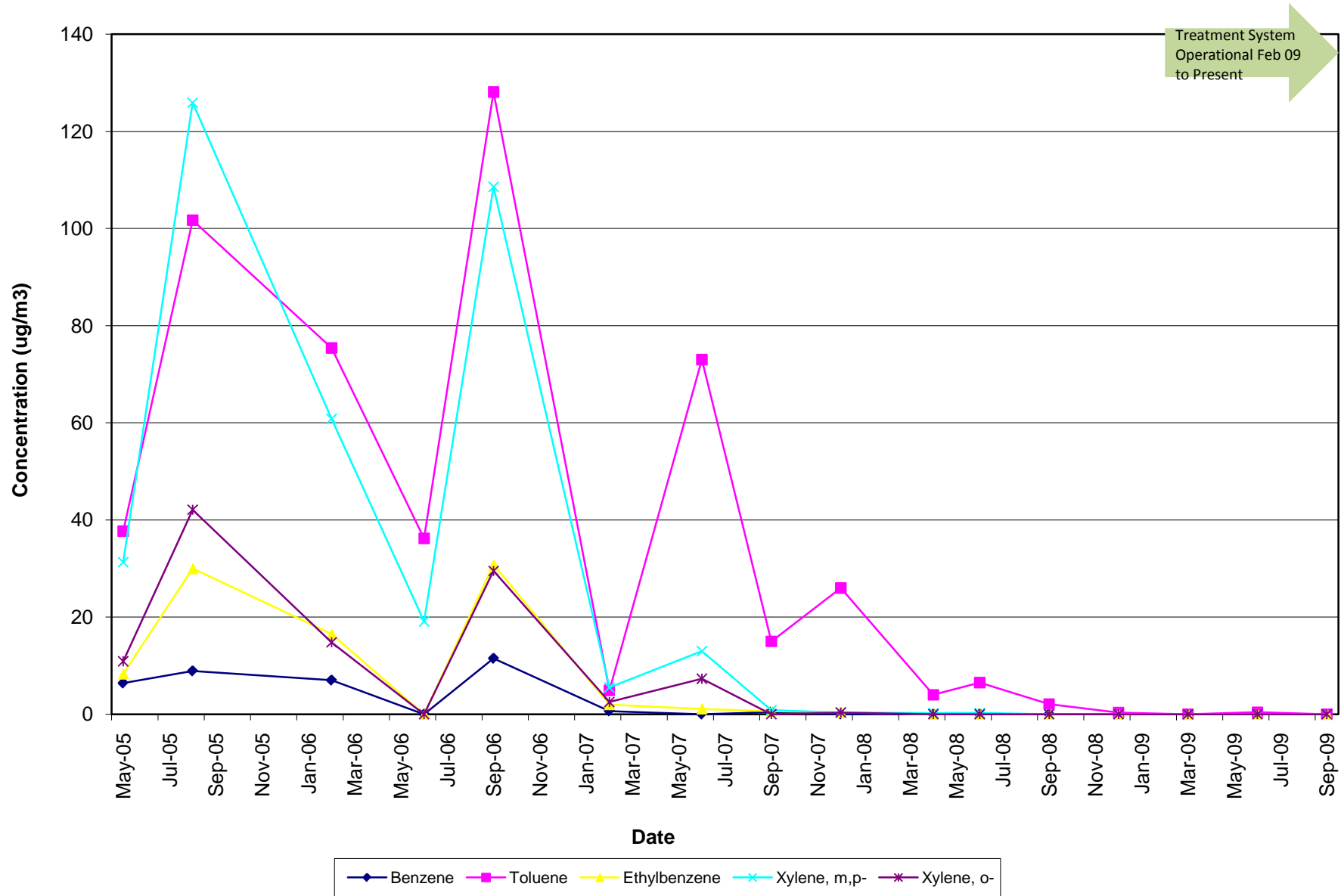


Appendix D
Soil Vapor Analytical Results
Operable Unit No.2
Bay Shore/Brightwaters Former MGP Site
OU2SG06

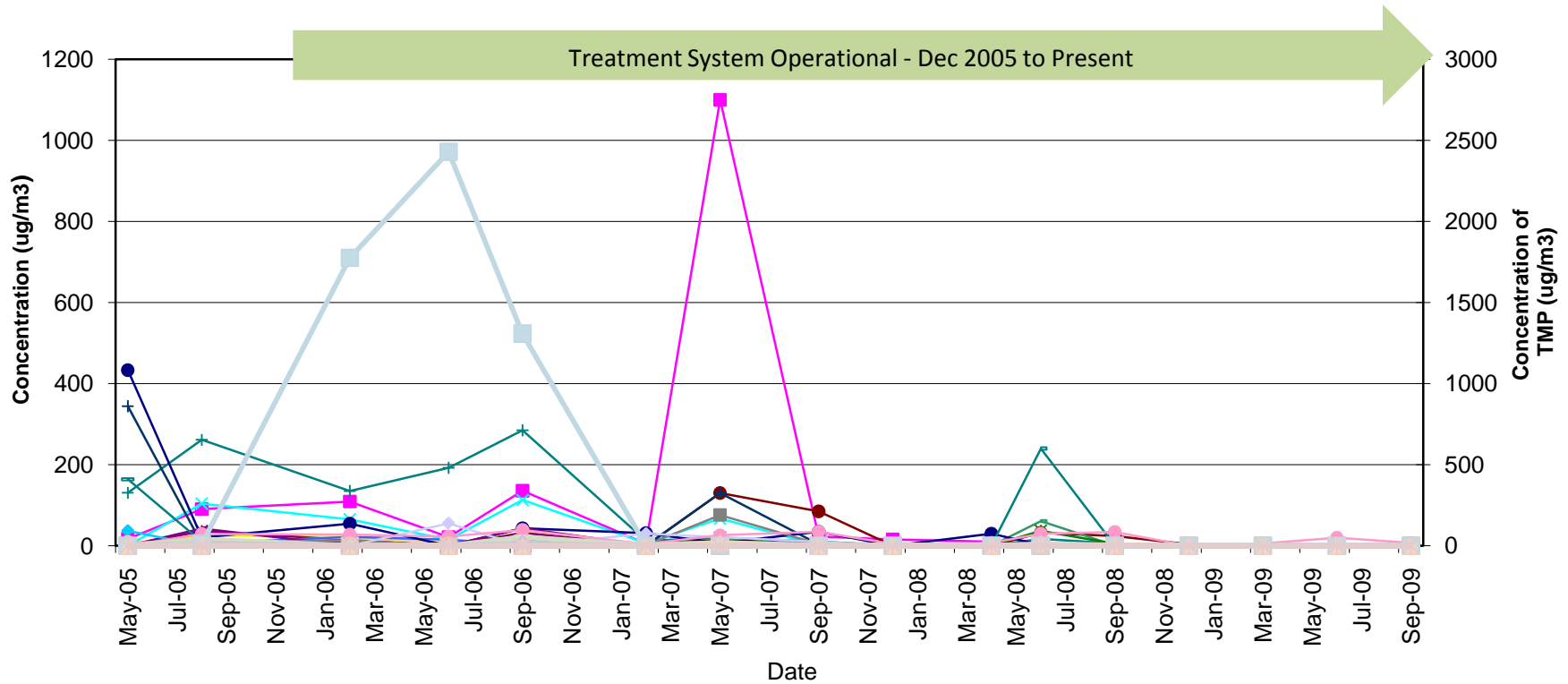


Benzene	Toluene	Ethylbenzene	Xylene, m,p	Xylene, o
Acetaldehyde	Acetone	Acrolein (propenal)	Allyl chloride	Benzothiophene
Bromodichloromethane	Bromoform	Bromomethane	Butadiene, 1,3	Butane
Butanone, 2-	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane
Chloroform	Chloromethane	Chlorotoluene, 2-	Cryofluorane	Cyclohexane
Decane, n-	Dibromochloromethane	Dibromoethane, 1,2-	Dichlorobenzene, 1,2-	Dichlorobenzene, 1,3-
Dichlorobenzene, 1,4-	Dichlorodifluoromethane	Dichloroethane, 1,1-	Dichloroethane, 1,2-	Dichloroethene, 1,1-
Dichloroethene, cis-1,2-	Dichloropropane, 1,2-	Dichloropropene, cis-1,3	Dichloropropene, trans-1,3	Dioxane, 1,4-
Dodecane, n-	Ethanol	Ethylthiophene, 2-	Ethyltoluene, p-	Heptane, n-
Hexachlorobutadiene	Hexane, n-	Hexanone, 2-	Hydrogen sulfide	Indan
Indene	Isopropyl benzene	Methyl tert-butyl ether	Methyl-2-pentanone, 4-	Methylene chloride
Methylnaphthalene, 1-	Methylnaphthalene, 2-	Methylthiophene, 2-	Methylthiophene, 3-	Naphthalene
Nonane	Octane, n-	Pentane	Propanol, 2-	Propylbenzene, n-
Styrene	t-Butyl alcohol	Tetrachloroethene	Tetrachloroethane, 1,1,2,2-	Tetrahydrofuran
Tetramethylbenzene, 1,2,4,5-	Thiophene	Trans-1,2-dichloroethene	Trichloro-1,2,2-trifluoroethane, 1,1,2-	Trichlorobenzene, 1,2,4-
Trichloroethane, 1,1,1-	Trichloroethane, 1,1,2-	Trichloroethene	Trichlorofluoromethane	Trimethylbenzene, 1,2,3-
Trimethylbenzene, 1,2,4-	Trimethylbenzene, 1,3,5-	Trimethylpentane, 2,2,4-	Undecane, n-	Vinyl bromide
Vinyl chloride				

Appendix D
 Soil Vapor Analytical Results
 Operable Unit No.2
 Bay Shore/Brightwaters Former MGP Site
OU2SG06 BTEX

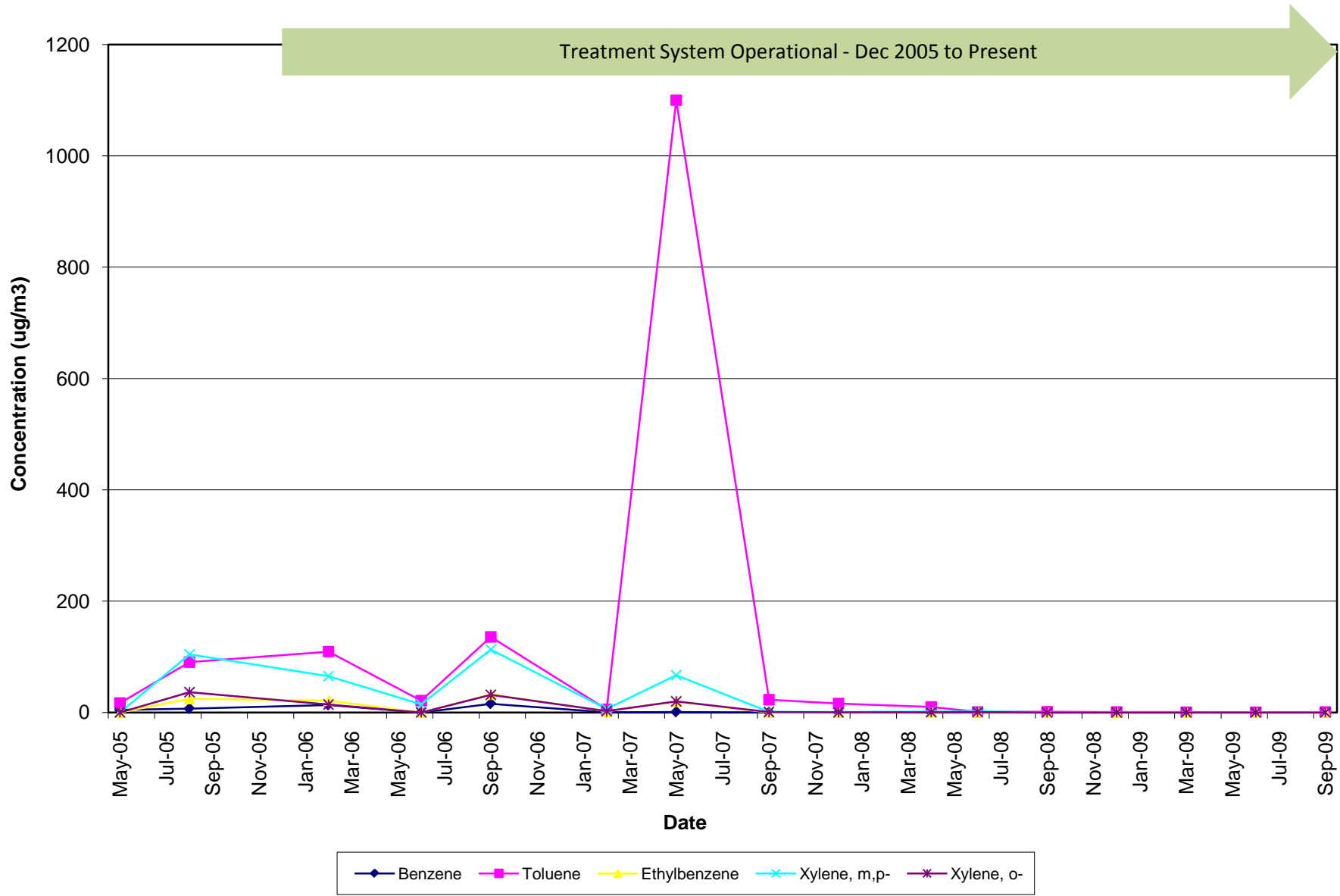


Appendix D
Soil Vapor Analytical Results
Operable Unit No.2
Bay Shore/Brightwaters Former MGP Site
OU2SG07

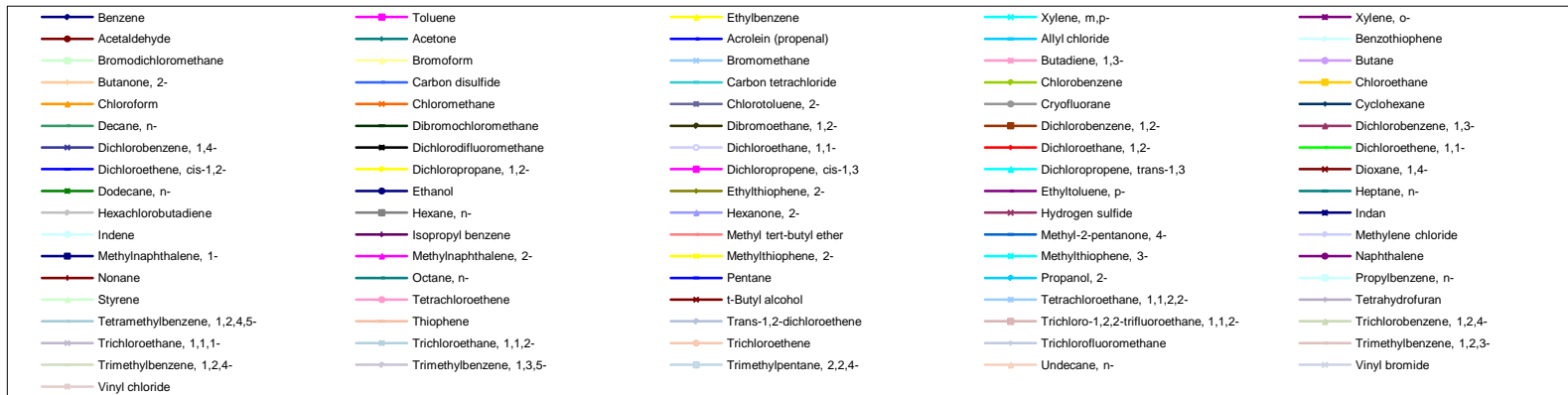
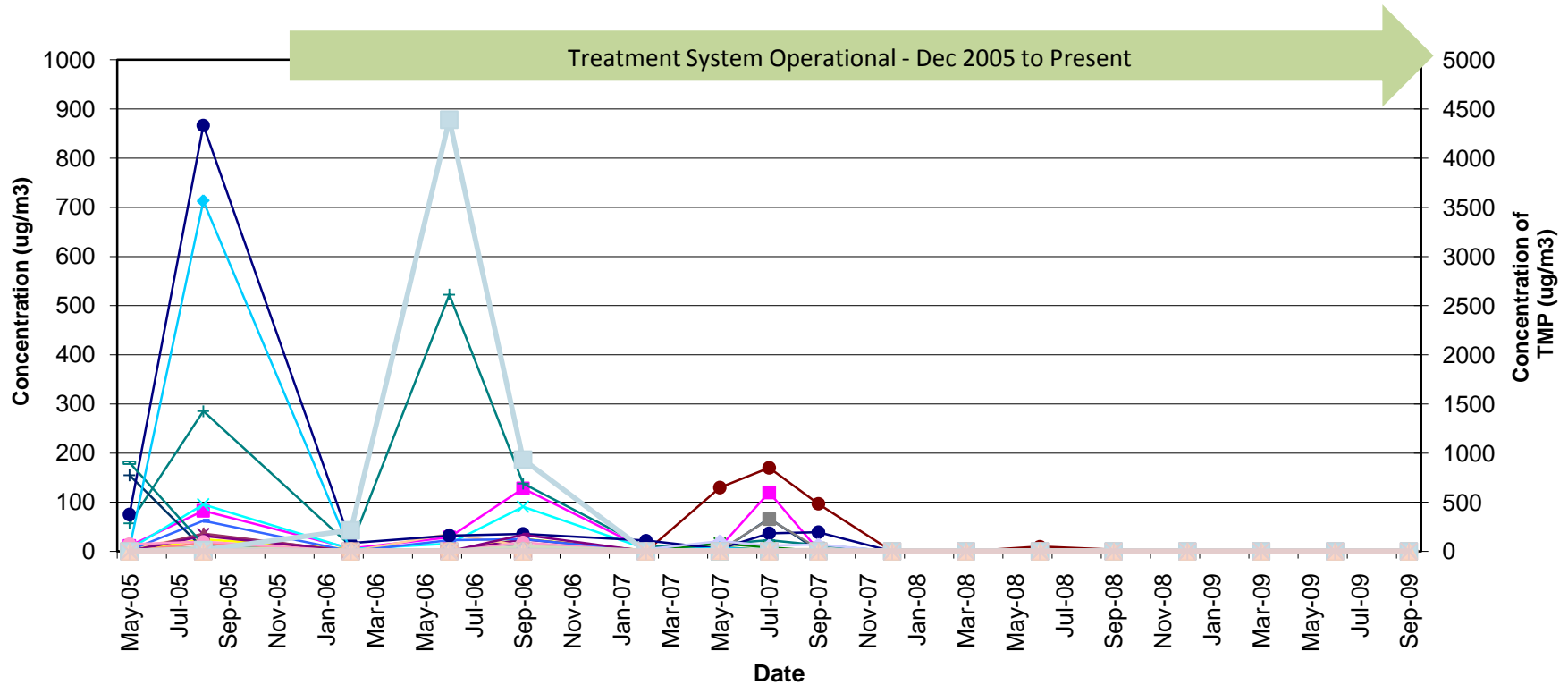


- | | | | | |
|------------------------------|--------------------------|--------------------------|---|--------------------------|
| Benzene | Toluene | Ethylbenzene | Xylene, m,p | Xylene, o- |
| Acetaldehyde | Acetone | Acrolein (propenal) | Allyl chloride | Benzo(b)fluoranthene |
| Bromodichloromethane | Bromoform | Bromomethane | Butadiene, 1,3- | Butane |
| Butanone, 2- | Carbon disulfide | Carbon tetrachloride | Chlorobenzene | Chloroethane |
| Chloroform | Chloromethane | Chlorotoluene, 2- | Cryofluorane | Cyclohexane |
| Decane, n- | Dibromochloromethane | Dibromoethane, 1,2- | Dichlorobenzene, 1,2- | Dichlorobenzene, 1,3- |
| Dichlorobenzene, 1,4- | Dichlorodifluoromethane | Dichloroethane, 1,1- | Dichloroethane, 1,2- | Dichloroethene, 1,1- |
| Dichloroethene, cis-1,2- | Dichloropropane, 1,2- | Dichloropropene, cis-1,3 | Dichloropropene, trans-1,3 | Dioxane, 1,4- |
| Dodecane, n- | Ethanol | Ethylthiophene, 2- | Ethyltoluene, p- | Heptane, n- |
| Hexachlorobutadiene | Hexane, n- | Hexanone, 2- | Hydrogen sulfide | Indan |
| Indene | Isopropyl benzene | Methyl tert-butyl ether | Methyl-2-pentanone, 4- | Methylene chloride |
| Methylnaphthalene, 1- | Methylnaphthalene, 2- | Methylthiophene, 2- | Methylthiophene, 3- | Naphthalene |
| Nonane | Octane, n- | Pentane | Propanol, 2- | Propylbenzene, n- |
| Styrene | Tetrachloroethene | t-Butyl alcohol | Tetrachloroethane, 1,1,2,2- | Tetrahydrofuran |
| Tetramethylbenzene, 1,2,4,5- | Thiophene | Trans-1,2-dichloroethene | Trichloro-1,2,2-trifluoroethane, 1,1,2- | Trichlorobenzene, 1,2,4- |
| Trichloroethane, 1,1,1- | Trichloroethane, 1,1,2- | Trichloroethane | Trichlorofluoromethane | Trimethylbenzene, 1,2,3- |
| Trimethylbenzene, 1,2,4- | Trimethylbenzene, 1,3,5- | Trimethylpentane, 2,2,4- | Undecane, n- | Vinyl bromide |
| Vinyl chloride | | | | |

Appendix D
Soil Vapor Analytical Results
Operable Unit No.2
Bay Shore/Brightwaters Former MGP Site
OU2SG07 BTEX

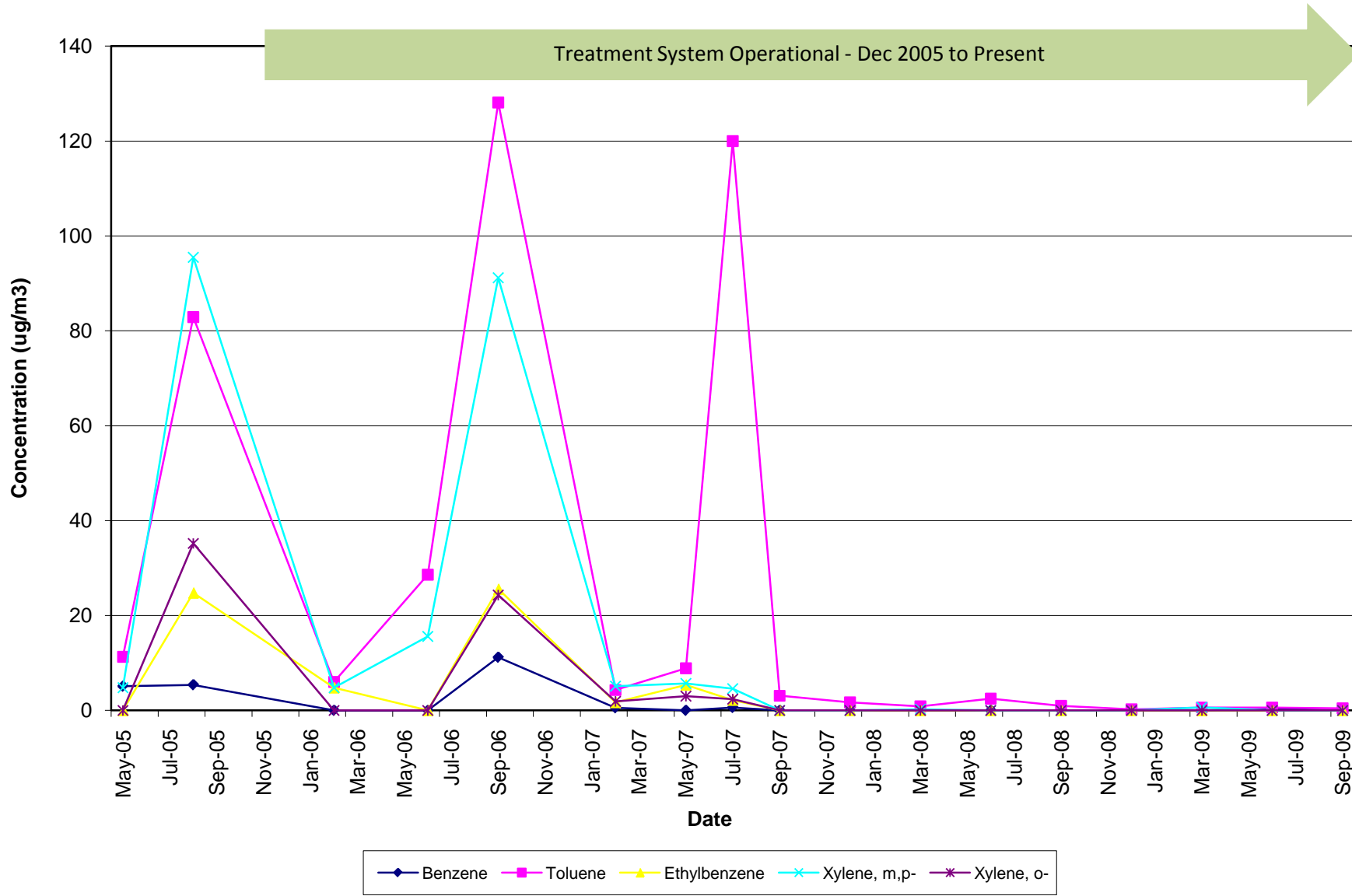


Appendix D
Soil Vapor Analytical Results
Operable Unit No.2
Bay Shore/Brightwaters Former MGP Site
OU2SG08

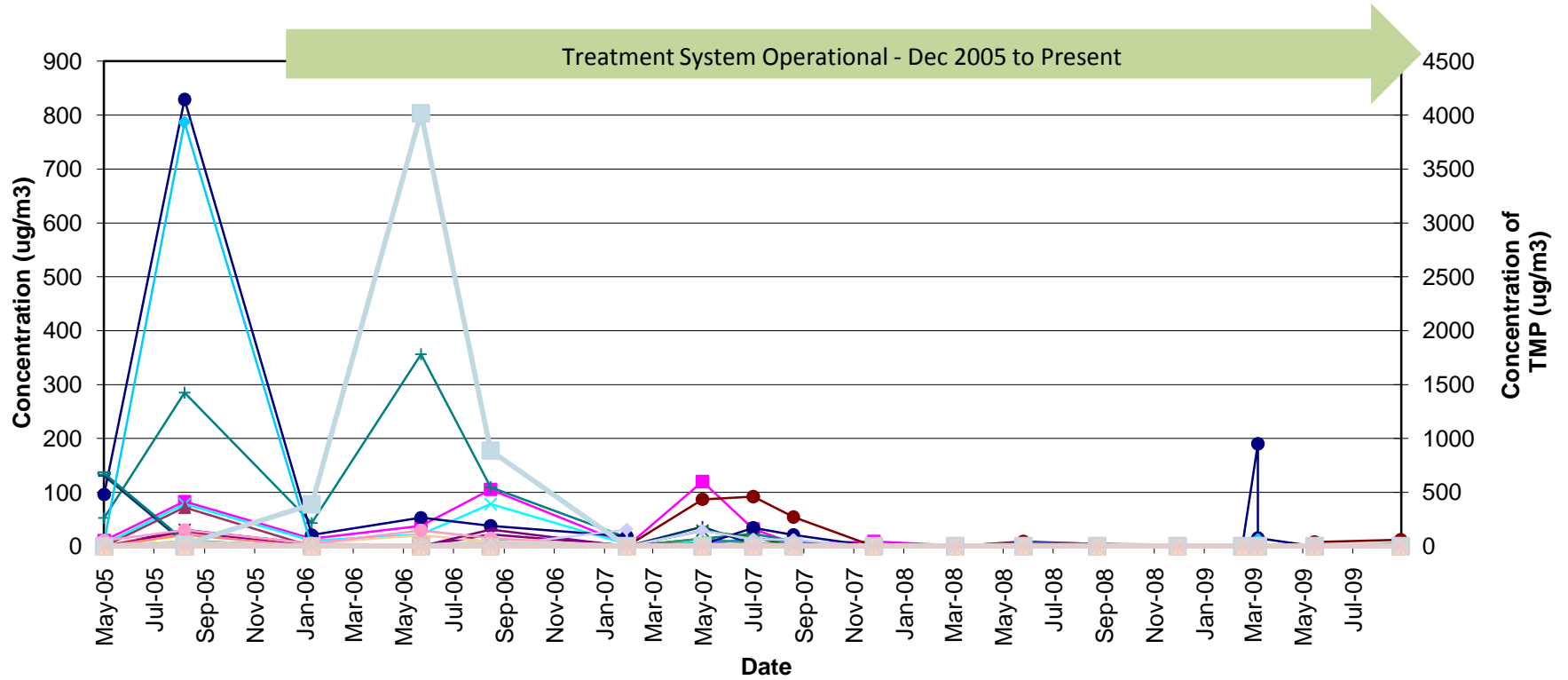


Appendix D
Soil Vapor Analytical Results
Operable Unit No.2
Bay Shore/Brightwaters Former MGP Site

OU2SG08 BTEX

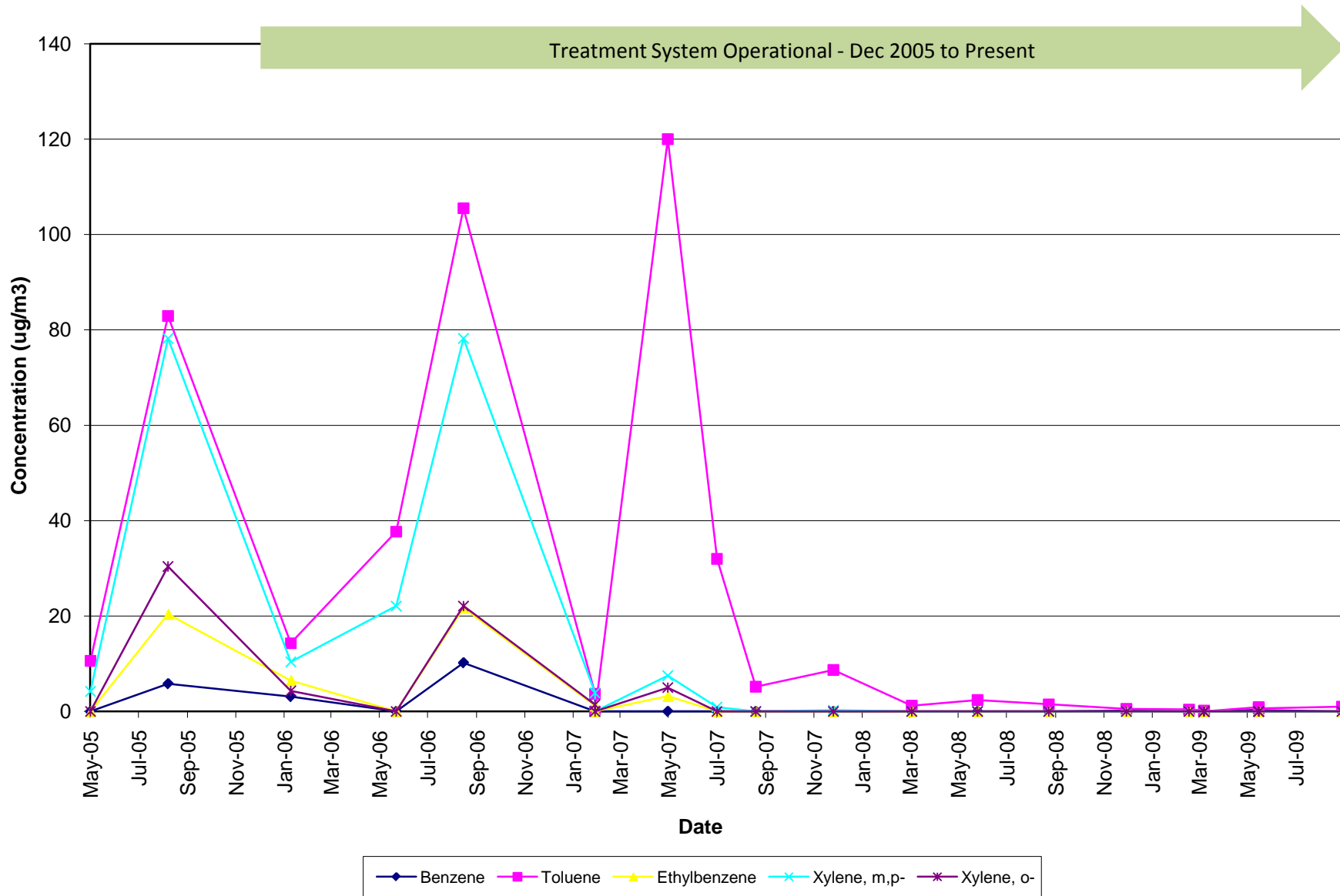


Appendix D
Soil Vapor Analytical Results
Operable Unit No.2
Bay Shore/Brightwaters Former MGP Site
OU2SG09

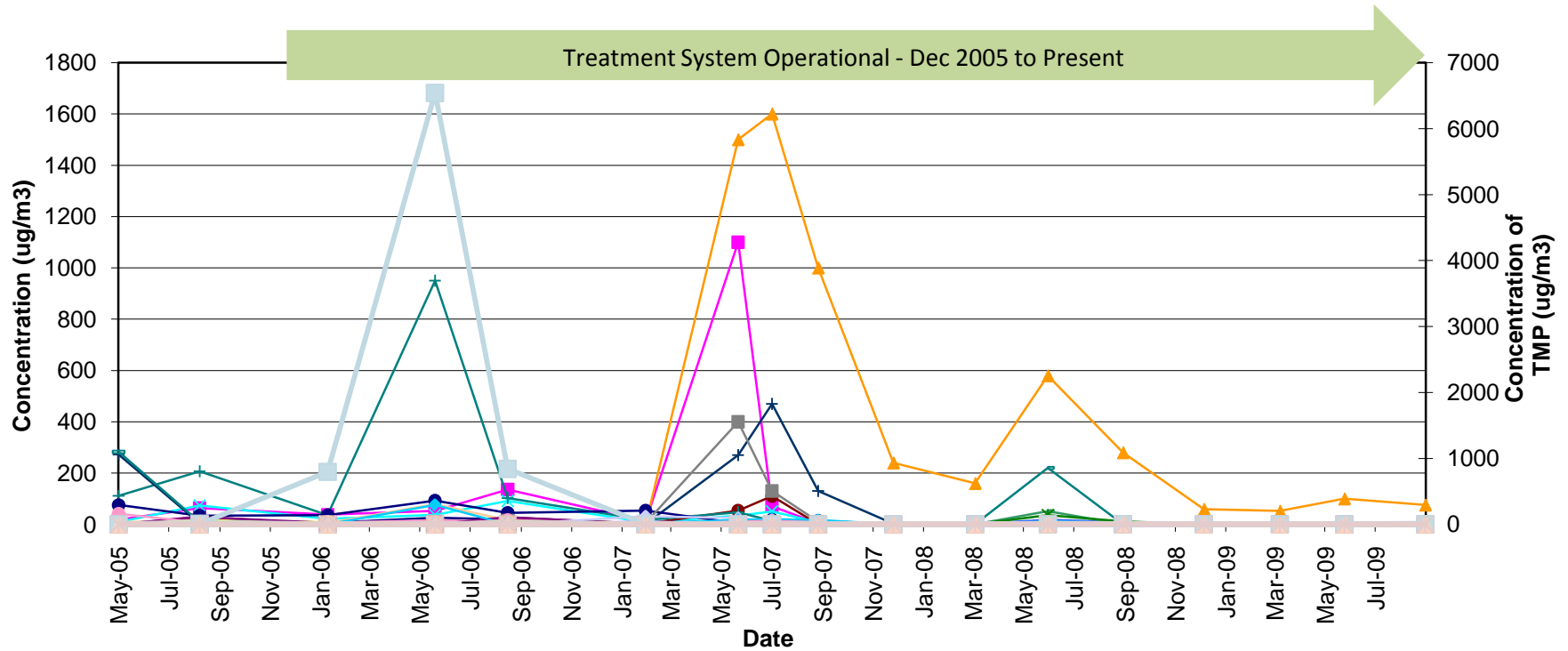


Benzene	Toluene	Ethylbenzene	Xylene, m,p	Xylene, o-
Acetaldehyde	Acetone	Acrolein (propenal)	Allyl chloride	Benzothiophene
Bromodichloromethane	Bromoform	Bromomethane	Butadiene, 1,3-	Butane
Butanone, 2-	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane
Chloroform	Chloromethane	Chlorotoluene, 2-	Cryofluorane	Cyclohexane
Decane, n-	Dibromochloromethane	Dibromoethane, 1,2-	Dichlorobenzene, 1,2-	Dichlorobenzene, 1,3-
Dichlorobenzene, 1,4-	Dichlorodifluoromethane	Dichloroethane, 1,1-	Dichloroethane, 1,2-	Dichloroethane, 1,1-
Dichloroethene, cis-1,2-	Dichloropropane, 1,2-	Dichloropropene, cis-1,3	Dichloropropene, trans-1,3	Dioxane, 1,4-
Dodecane, n-	Ethanol	Ethylthiophene, 2-	Ethyltoluene, p-	Dichloroethene, 1,1-
Hexachlorobutadiene	Hexane, n-	Hexanone, 2-	Hydrogen sulfide	Heptane, n-
Indene	Isopropyl benzene	Methyl tert-butyl ether	Methyl-2-pentanone, 4-	Indan
Methylnaphthalene, 1-	Methylnaphthalene, 2-	Methylthiophene, 2-	Methylthiophene, 3-	Methylene chloride
Nonane	Octane, n-	Pentane	Propanol, 2-	Naphthalene
Styrene	t-Butyl alcohol	Tetrachloroethene	Tetrachloroethane, 1,1,2,2-	Propylbenzene, n-
Tetramethylbenzene, 1,2,4,5-	Thiophene	Trans-1,2-dichloroethene	Trichloro-1,2,2-trifluoroethane, 1,1,2-	Tetrahydrofuran
Trichloroethane, 1,1,1-	Trichloroethane, 1,1,2-	Trichloroethene	Trichlorofluoromethane	Trichlorobenzene, 1,2,4-
Trimethylbenzene, 1,2,4-	Trimethylbenzene, 1,3,5-	Trimethylpentane, 2,2,4-	Undecane, n-	Trimethylbenzene, 1,2,3-
Vinyl chloride				Vinyl bromide

Appendix D
 Soil Vapor Analytical Results
 Operable Unit No.2
 Bay Shore/Brightwaters Former MGP Site
OU2SG09 BTEX



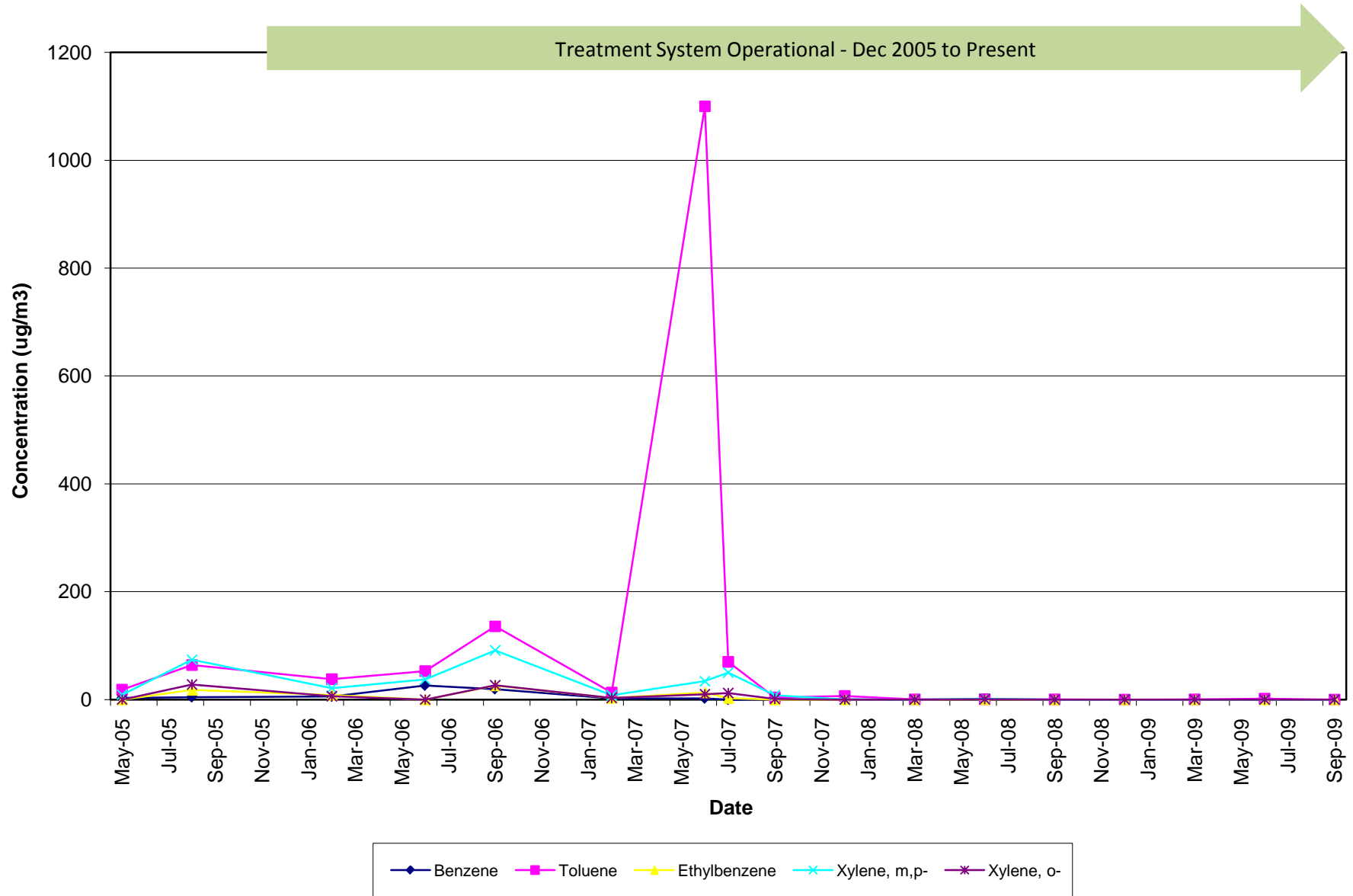
Appendix D
Soil Vapor Analytical Results
Operable Unit No.2
Bay Shore/Brightwaters Former MGP Site
OU2SG10



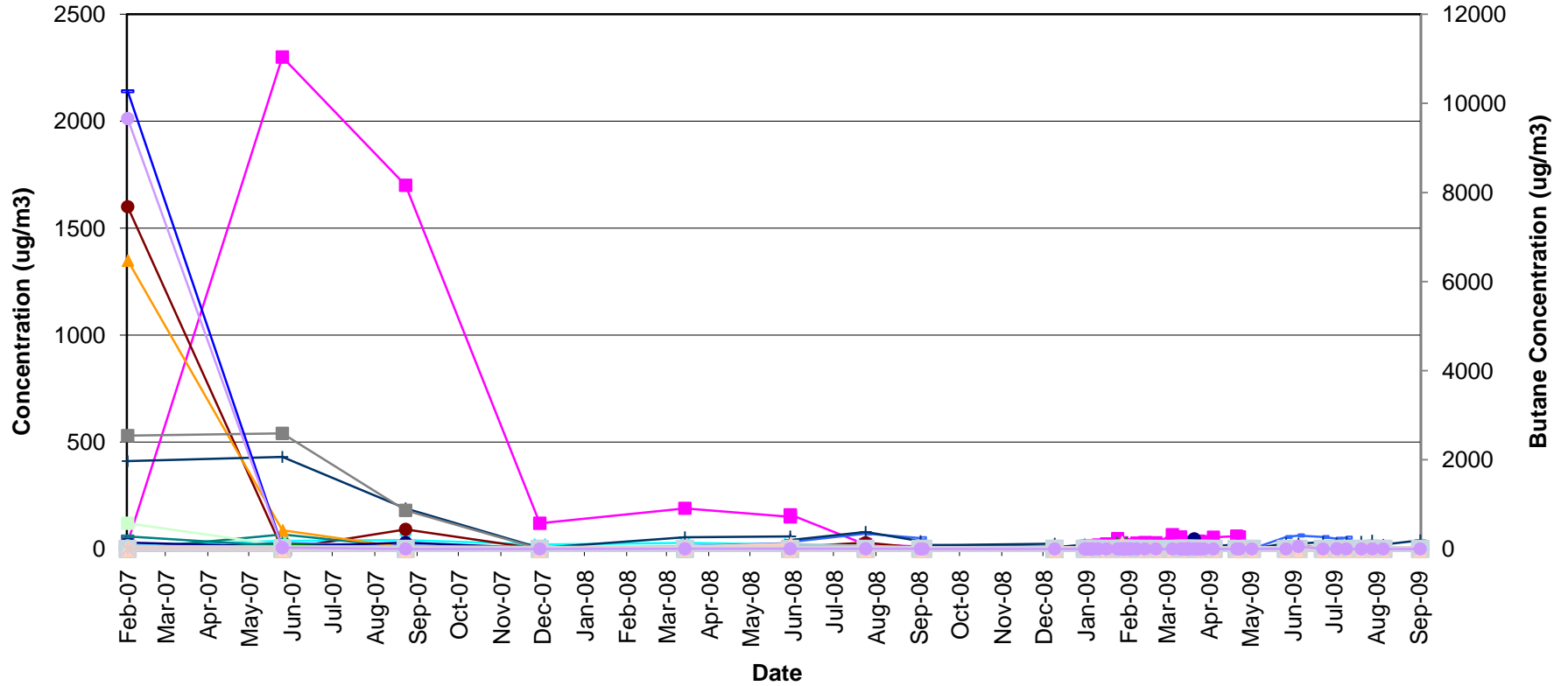
Date			
Benzene	Toluene	Ethylbenzene	Xylene, m,p-
Acetaldehyde	Acetone	Acrolein (propenal)	Allyl chloride
Bromodichloromethane	Bromoform	Bromomethane	Butadiene, 1,3-
Butanone, 2-	Carbon disulfide	Carbon tetrachloride	Chlorobenzene
Chloroform	Chloromethane	Chlorotoluene, 2-	Cryofluorane
Decane, n-	Dibromochloromethane	Dibromoethane, 1,2-	Dichlorobenzene, 1,2-
Dichlorobenzene, 1,4-	Dichlorodifluoromethane	Dichloroethane, 1,1-	Dichloroethane, 1,2-
Dichloroethene, cis-1,2-	Dichloropropane, 1,2-	Dichloropropene, cis-1,3	Dichloropropene, trans-1,3
Dodecane, n-	Ethanol	Ethylthiophene, 2-	Ethyltoluene, p-
Hexachlorobutadiene	Hexane, n-	Hexanone, 2-	Hydrogen sulfide
Indene	Isopropyl benzene	Methyl tert-butyl ether	Methyl-2-pentanone, 4-
Methylnaphthalene, 1-	Methylnaphthalene, 2-	Methylthiophene, 2-	Methylthiophene, 3-
Nonane	Octane, n-	Pentane	Propanol, 2-
Styrene	t-Butyl alcohol	Tetrachloroethene	Tetrachloroethane, 1,1,2,2-
Tetramethylbenzene, 1,2,4,5-	Thiophene	Trichloroethene	Trichloro-1,2,2-trifluoroethane, 1,1,2-
Trichloroethane, 1,1,1-	Trichloroethane, 1,1,2-	Trichloroethane	Trichlorofluoromethane
Trimethylbenzene, 1,2,4-	Trimethylbenzene, 1,3,5-	Trimethylpentane, 2,2,4-	Undecane, n-
Vinyl chloride			Xylene, o-
			Benzothiophene
			Butane
			Chloroethane
			Cyclohexane
			Dichlorobenzene, 1,3-
			Dichloroethene, 1,1-
			Dioxane, 1,4-
			Heptane, n-
			Indan
			Methylene chloride
			Naphthalene
			Propylbenzene, n-
			Tetrahydrofuran
			Trichlorobenzene, 1,2,4-
			Trimethylbenzene, 1,2,3-
			Vinyl bromide

Appendix D
Soil Vapor Analytical Results
Operable Unit No.2
Bay Shore/Brightwaters Former MGP Site

OU2SG10 BTEX

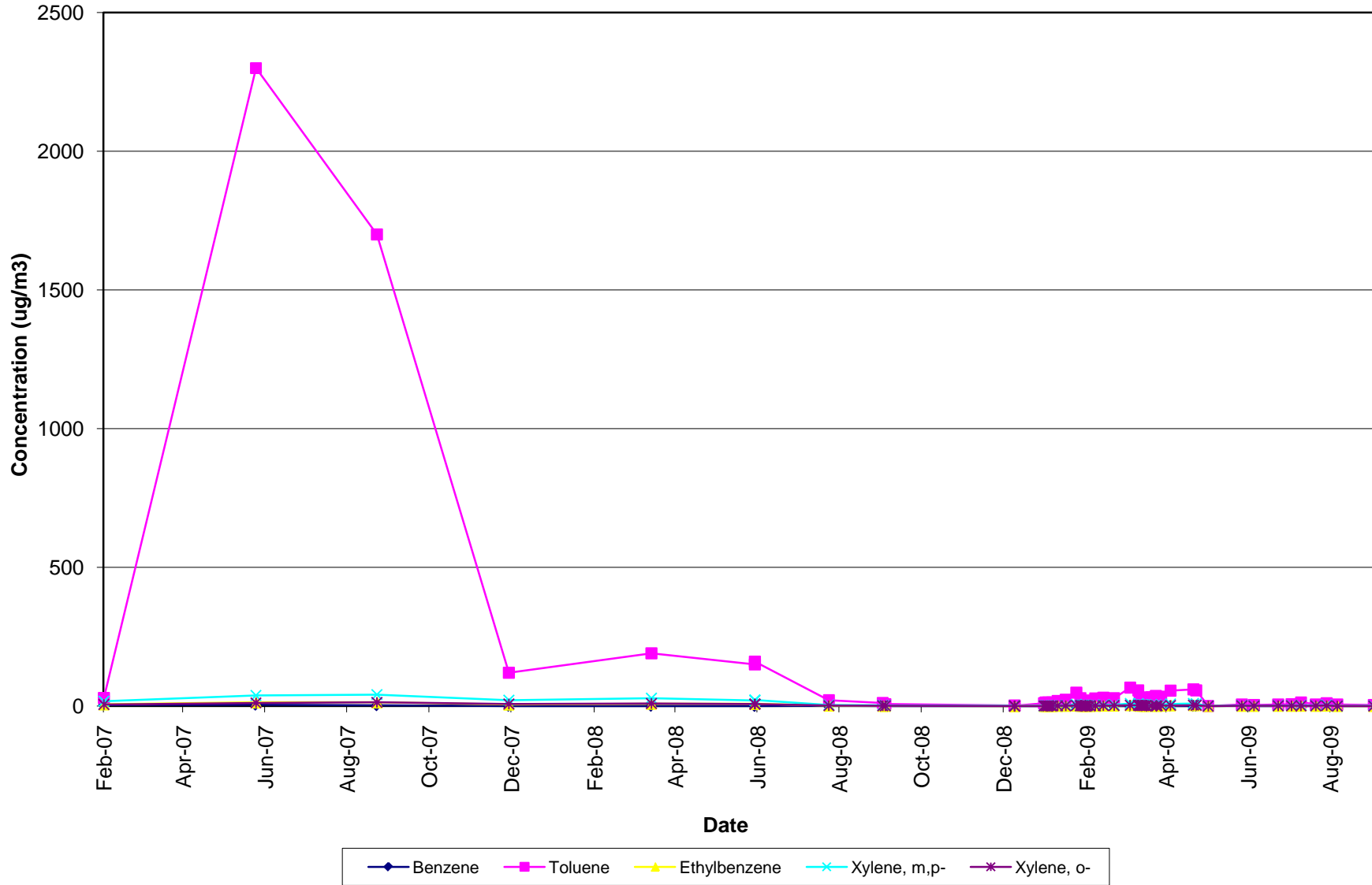


Appendix D
Soil Vapor Analytical Results
Operable Unit No.2
Bay Shore/Brightwaters Former MGP Site
OU2SG11

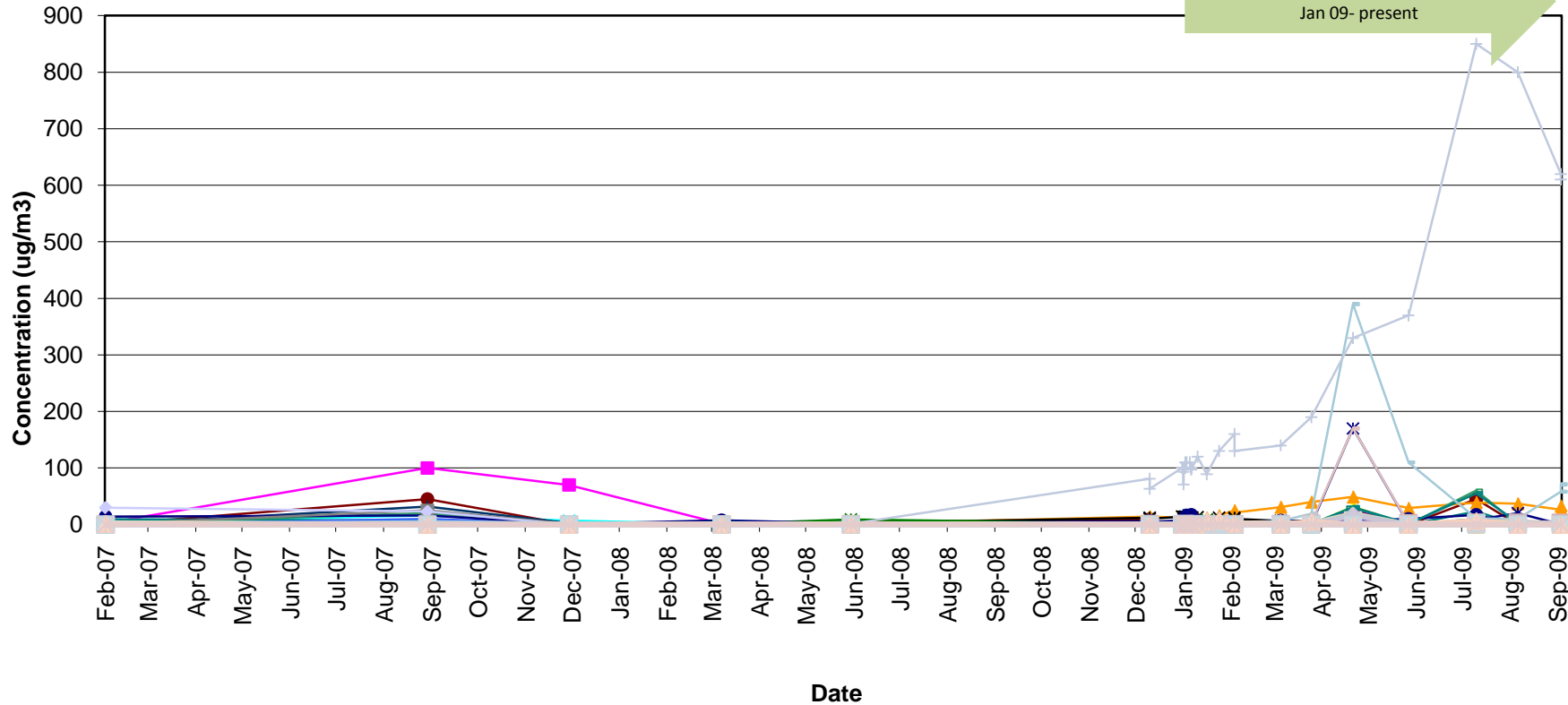


Benzene	Toluene	Ethylbenzene	Xylene, m,p-	Xylene, o-	Acetaldehyde
Acetone	Acrolein (propenal)	Allyl chloride	Benzothiophene	Bromodichloromethane	Bromoform
Bromomethane	Butadiene, 1,3-	Butanone, 2-	Carbon disulfide	Carbon tetrachloride	Chlorobenzene
Chloroethane	Chloroform	Chloromethane	Chlorotoluene, 2-	Cryofluorane	Cyclohexane
Decane, n-	Dibromochloromethane	Dibromoethane, 1,2-	Dichlorobenzene, 1,2-	Dichlorobenzene, 1,3-	Dichlorobenzene, 1,4-
Dichlorodifluoromethane	Dichloroethane, 1,1-	Dichloroethane, 1,2-	Dichloroethene, 1,1-	Dichloroethene, cis-1,2-	Dichloropropane, 1,2-
Dichloropropene, cis-1,3	Dichloropropene, trans-1,3	Dioxane, 1,4-	Dodecane, n-	Ethanol	Ethylthiophene, 2-
Ethyltoluene, p-	Heptane, n-	Hexachlorobutadiene	Hexane, n-	Hexanone, 2-	Hydrogen sulfide
Indan	Indene	Isopropyl benzene	Methyl tert-butyl ether	Methyl-2-pentanone, 4-	Methylene chloride
Methylnaphthalene, 1-	Methylnaphthalene, 2-	Methylthiophene, 2-	Methylthiophene, 3-	Naphthalene	Nonane
Octane, n-	Pentane	Propanol, 2-	Propylbenzene, n-	Styrene	t-Butyl alcohol
Tetrachloroethane, 1,1,2,2-	Tetrachloroethene	Tetrahydrofuran	Tetramethylbenzene, 1,2,4,5-	Thiophene	Trans-1,2-dichloroethene
Trichloro-1,2,2-trifluoroethane, 1,1,2-	Trichlorobenzene, 1,2,4-	Trichloroethane, 1,1,1-	Trichloroethane, 1,1,2-	Trichloroethene	Trichlorofluoromethane
Trimethylbenzene, 1,2,3-	Trimethylbenzene, 1,2,4-	Trimethylbenzene, 1,1,1-	Trimethylbenzene, 1,1,2-	Undecane, n-	Vinyl bromide
Vinyl chloride	Butane	Trimethylbenzene, 1,3,5-	Trimethylpentane, 2,2,4-		

Appendix D
 Soil Vapor Analytical Results
 Operable Unit No.2
 Bay Shore/Brightwaters Former MGP Site
OU2SG11 BTEX

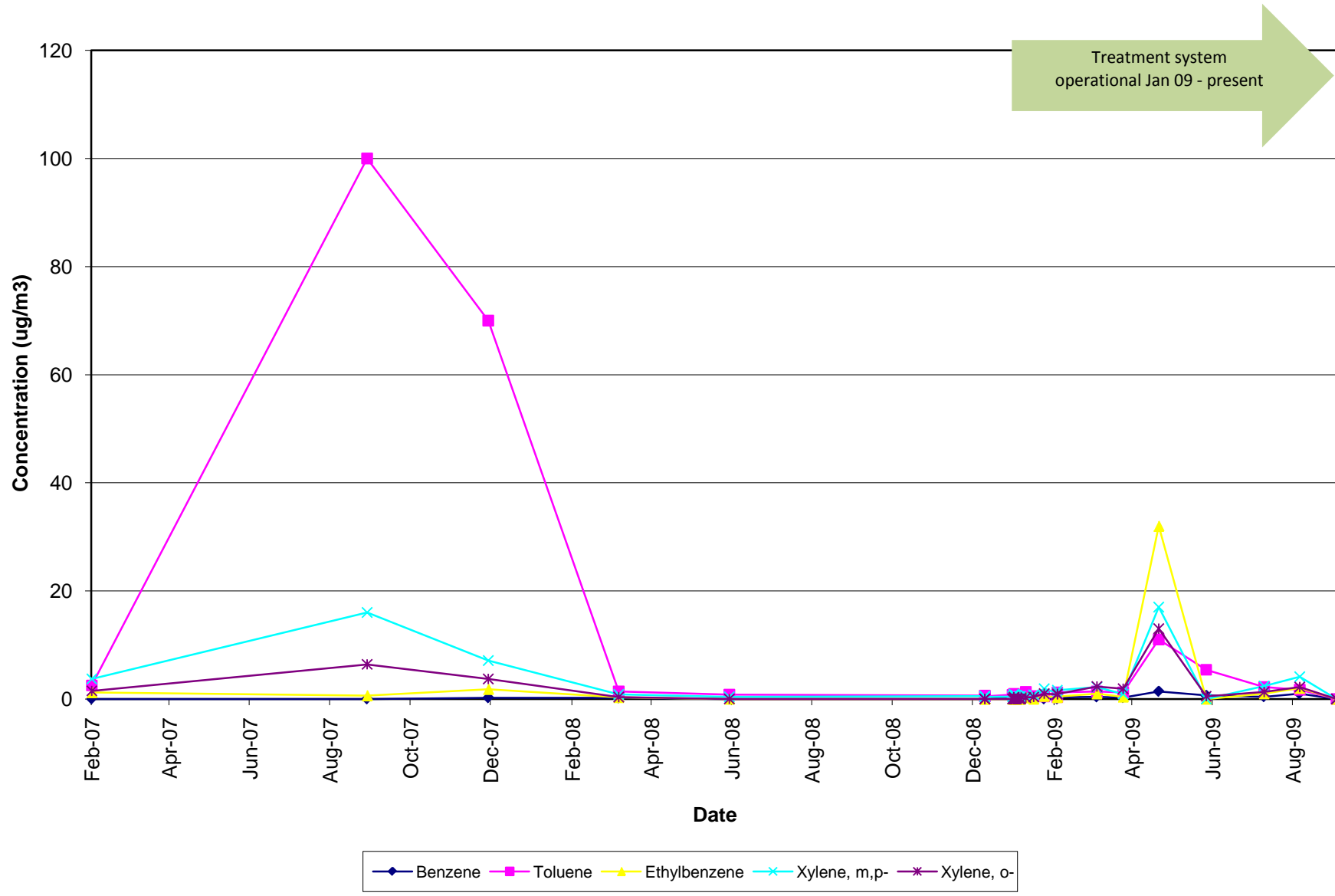


Appendix D
Soil Vapor Analytical Results
Operable Unit No.2
Bay Shore/Brightwaters Former MGP Site
OU2SG12

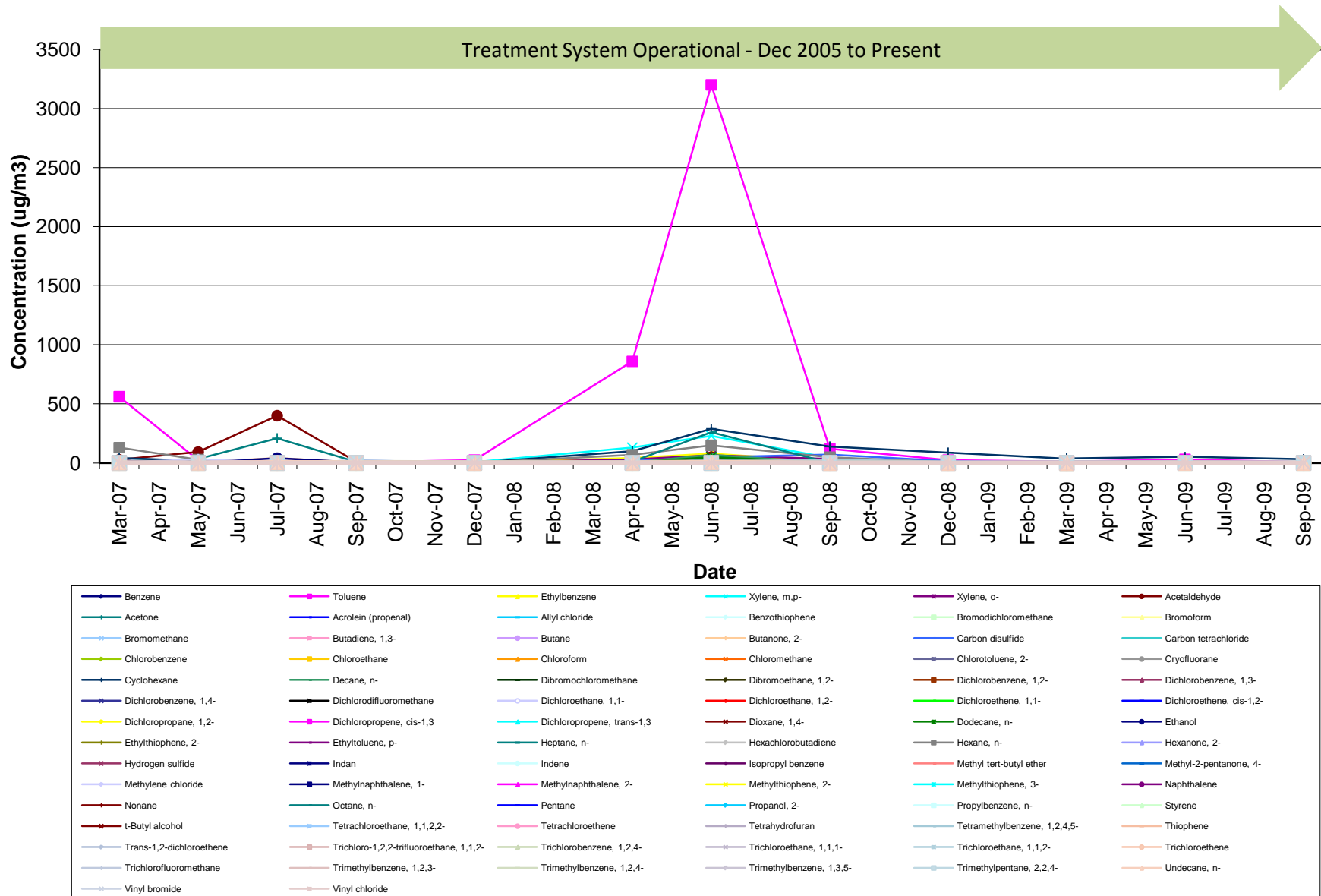


Benzene	Toluene	Ethylbenzene	Xylene, m,p-	Xylene, o-	Acetaldehyde
Acetone	Acrolein (propenal)	Allyl chloride	Benzothiophene	Bromodichloromethane	Bromoform
Bromomethane	Butadiene, 1,3-	Butane	Butanone, 2-	Carbon disulfide	Carbon tetrachloride
Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Chlorotoluene, 2-	Cryofluorane
Cyclohexane	Decane, n-	Dibromochloromethane	Dibromoethane, 1,2-	Dichlorobenzene, 1,2-	Dichlorobenzene, 1,3-
Dichlorobenzene, 1,4-	Dichlorodifluoromethane	Dichloroethane, 1,1-	Dichloroethane, 1,2-	Dichloroethene, 1,1-	Dichloroethene, cis-1,2-
Dichloropropane, 1,2-	Dichloropropene, cis-1,3	Dichloropropene, trans-1,3	Dioxane, 1,4-	Dodecane, n-	Ethanol
Ethylthiophene, 2-	Ethyltoluene, p-	Heptane, n-	Hexachlorobutadiene	Hexane, n-	Hexanone, 2-
Hydrogen sulfide	Indan	Indene	Isopropyl benzene	Methyl tert-butyl ether	Methyl-2-pentanone, 4-
Methylene chloride	Methylnaphthalene, 1-	Methylnaphthalene, 2-	Methylthiophene, 2-	Methylthiophene, 3-	Naphthalene
Nonane	Octane, n-	Pentane	Propanol, 2-	Propylbenzene, n-	Styrene
t-Butyl alcohol	Tetrachloroethane, 1,1,2,2-	Tetrachloroethene	Tetrahydrofuran	Tetramethylbenzene, 1,2,4,5-	Thiophene
Trans-1,2-dichloroethene	Trichloro-1,2,2-trifluoroethane, 1,1,2-	Trichlorobenzene, 1,2,4-	Trichloroethane, 1,1,1-	Trichloroethane, 1,1,2-	Trichloroethene
Trichlorofluoromethane	Trimethylbenzene, 1,2,3-	Trimethylbenzene, 1,2,4-	Trimethylbenzene, 1,3,5-	Trimethylpentane, 2,2,4-	Undecane, n-
Vinyl bromide	Vinyl chloride				

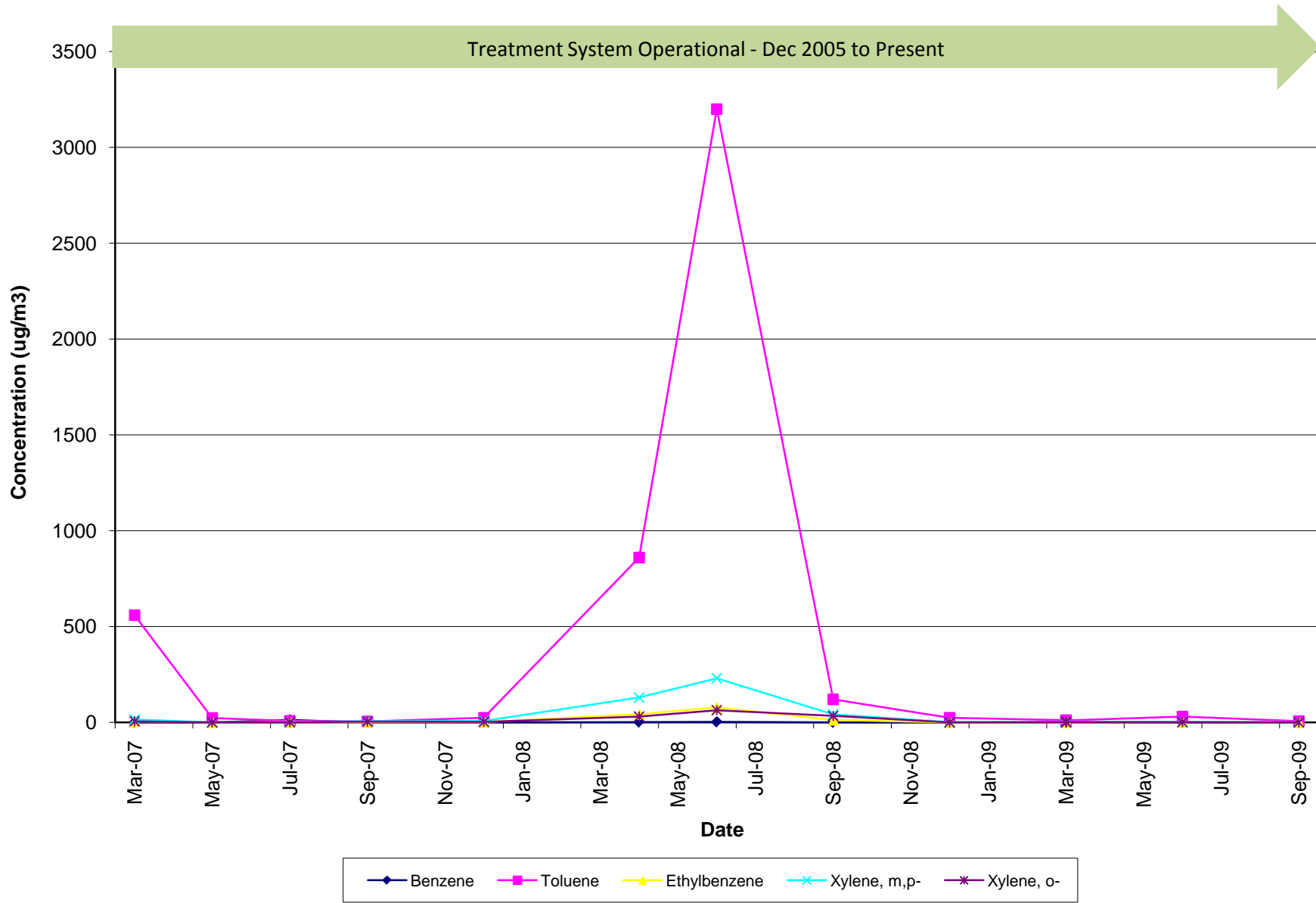
Appendix D
Soil Vapor Analytical Results
Operable Unit No.2
Bay Shore/Brightwaters Former MGP Site
OU2SG12 BTEX



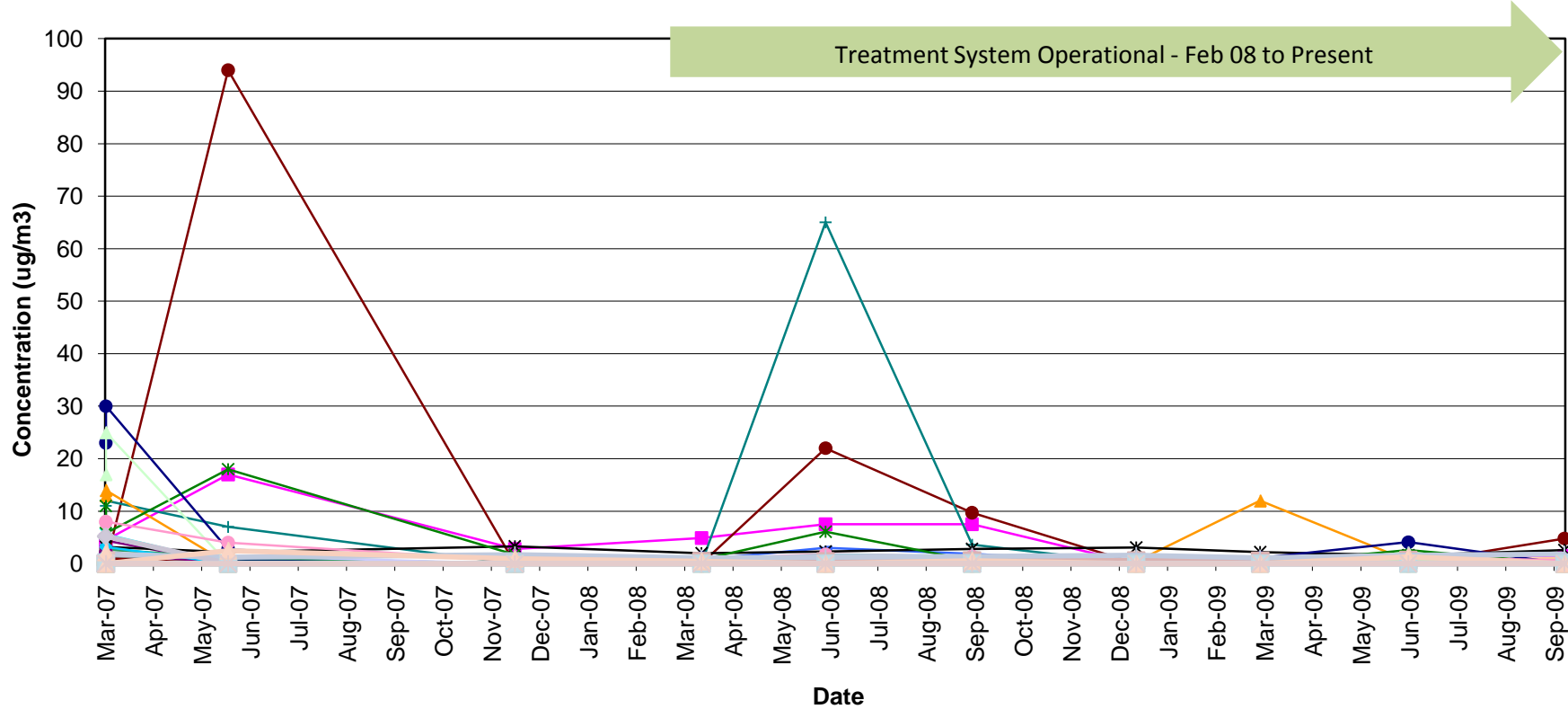
Appendix D
 Soil Vapor Analytical Results
 Operable Unit No.2
 Bay Shore/Brightwaters Former MGP Site
OU2SG13



Appendix D
Soil Vapor Analytical Results
Operable Unit No.2
Bay Shore/Brightwaters Former MGP Site
OU2SG13 BTEX

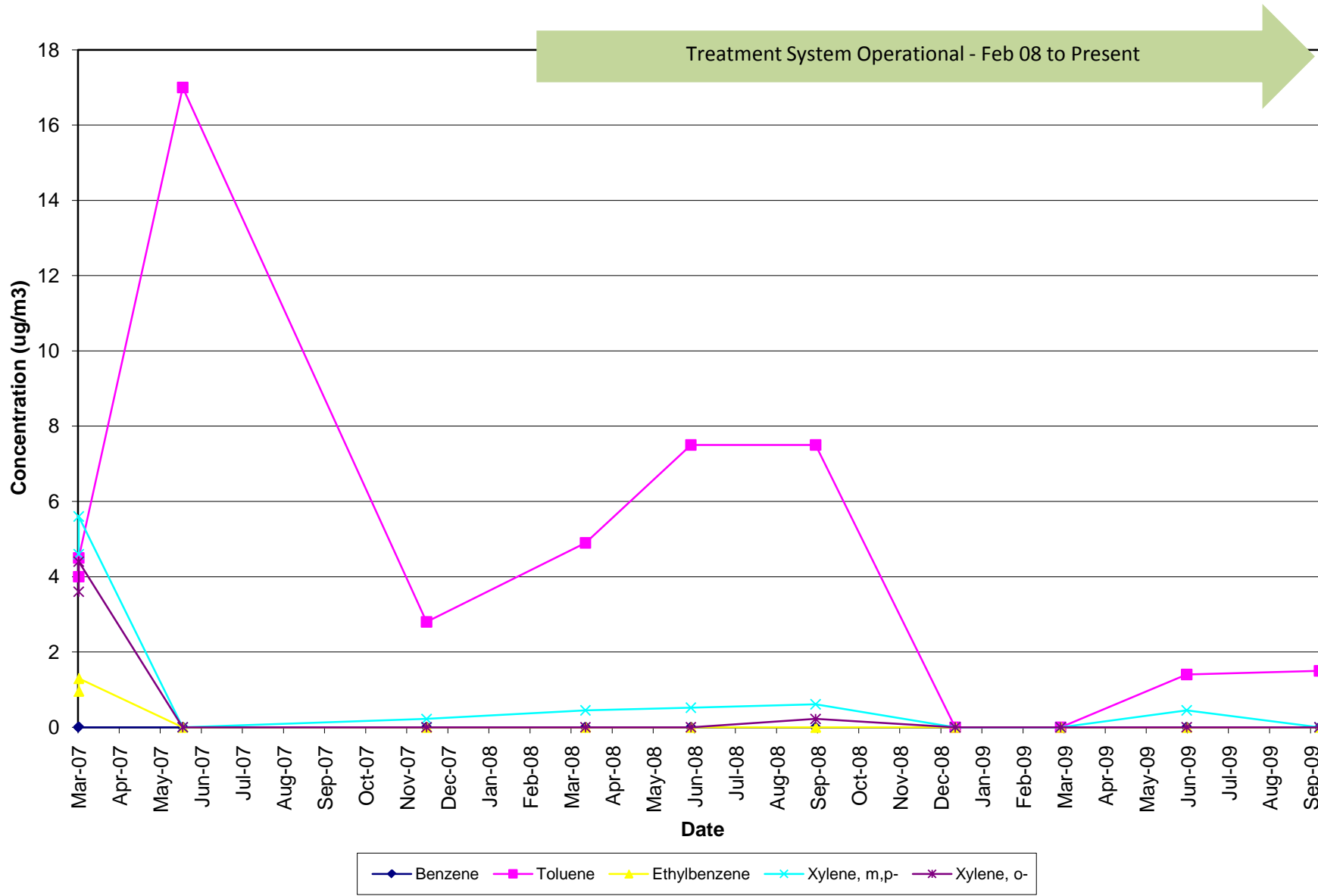


Appendix D
 Soil Vapor Analytical Results
 Operable Unit No.2
 Bay Shore/Brightwaters Former MGP Site
OU2SG14

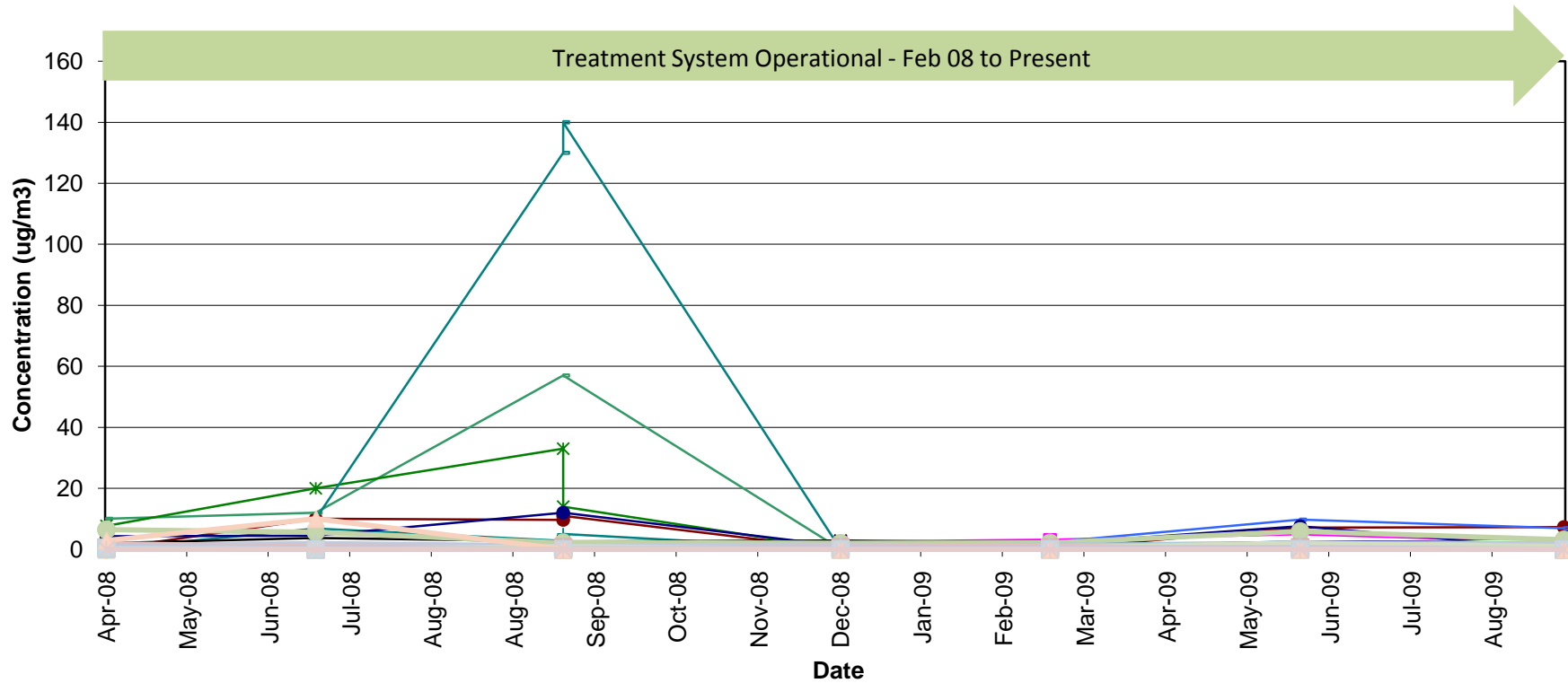


Benzene	Toluene	Ethylbenzene	Xylene, m,p-	Xylene, o-	Acetaldehyde
Acetone	Acrolein (propenal)	Allyl chloride	Benzothiophene	Bromodichloromethane	Bromoform
Bromomethane	Butadiene, 1,3-	Butane	Butanone, 2-	Carbon disulfide	Carbon tetrachloride
Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Chlorotoluene, 2-	Cryofluorane
Cyclohexane	Decane, n-	Dibromochloromethane	Dibromoethane, 1,2-	Dichlorobenzene, 1,2-	Dichlorobenzene, 1,3-
Dichlorobenzene, 1,4-	Dichlorodifluoromethane	Dichloroethane, 1,1-	Dichloroethane, 1,2-	Dichloroethene, 1,1-	Dichloroethene, cis-1,2-
Dichloropropane, 1,2-	Dichloropropene, cis-1,3	Dichloropropene, trans-1,3	Dioxane, 1,4-	Dodecane, n-	Ethanol
Ethylthiophene, 2-	Ethyltoluene, p-	Heptane, n-	Hexachlorobutadiene	Hexane, n-	Hexanone, 2-
Hydrogen sulfide	Indan	Indene	Isopropyl benzene	Methyl tert-butyl ether	Methyl-2-pentanone, 4-
Methylene chloride	Methylnaphthalene, 1-	Methylnaphthalene, 2-	Methylthiophene, 2-	Methylthiophene, 3-	Naphthalene
Nonane	Octane, n-	Pentane	Propanol, 2-	Propylbenzene, n-	Styrene
t-Butyl alcohol	Tetrachloroethane, 1,1,2,2-	Tetrachloroethene	Tetrahydrofuran	Tetramethylbenzene, 1,2,4,5-	Thiophene
Trans-1,2-dichloroethene	Trichloro-1,2,2-trifluoroethane, 1,1,2-	Trichlorobenzene, 1,2,4-	Trichloroethane, 1,1,1,-	Trichloroethane, 1,1,2-	Trichloroethene
Trichlorofluoromethane	Trimethylbenzene, 1,2,3-	Trimethylbenzene, 1,2,4-	Trimethylbenzene, 1,3,5-	Trimethylpentane, 2,2,4-	Undecane, n-
Vinyl bromide	Vinyl chloride				

Appendix D
 Soil Vapor Analytical Results
 Operable Unit No.2
 Bay Shore/Brightwaters Former MGP Site
OU2SG14 BTEX

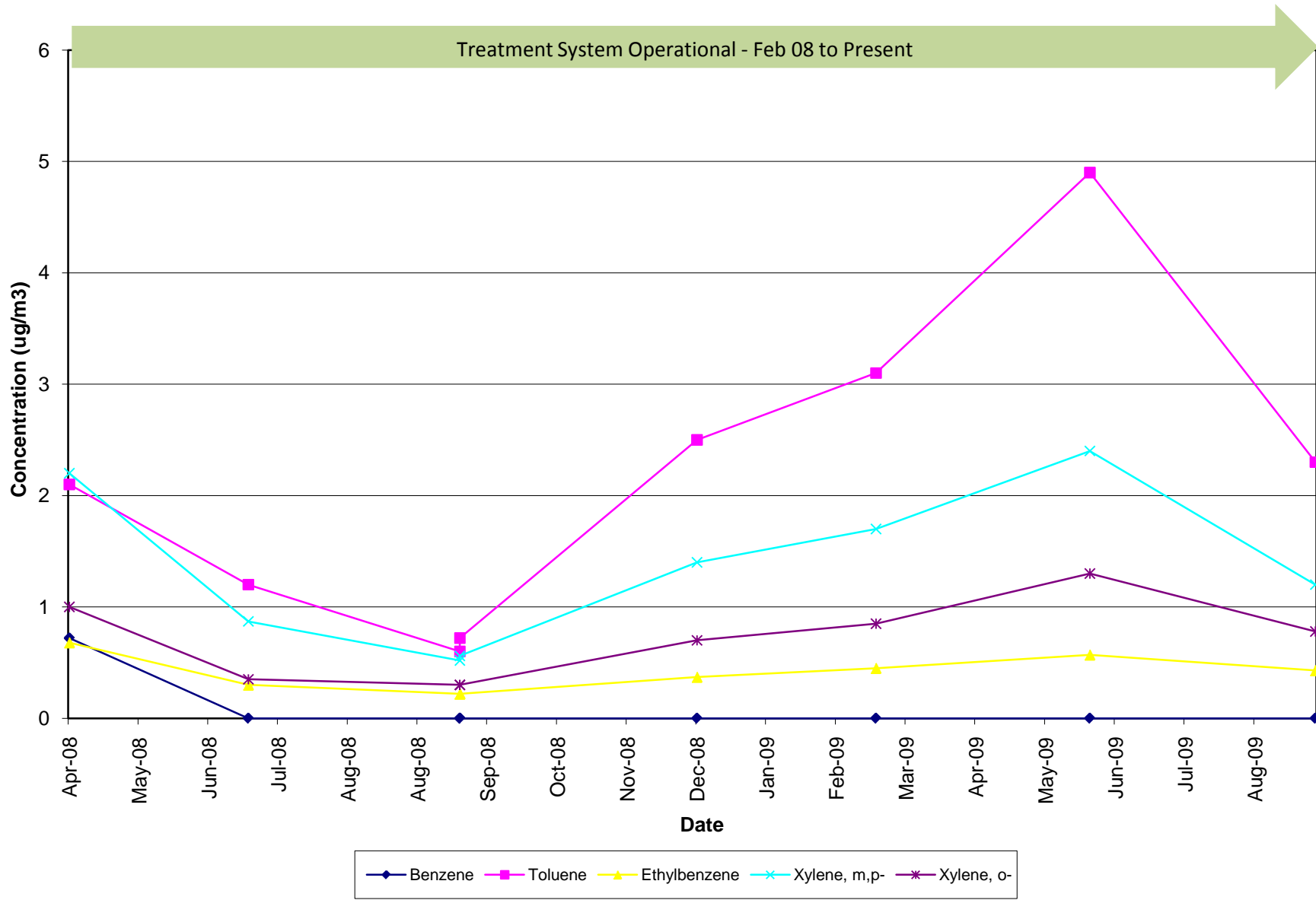


Appendix D
Soil Vapor Analytical Results
Operable Unit No.2
Bay Shore/Brightwaters Former MGP Site
OU2SG15

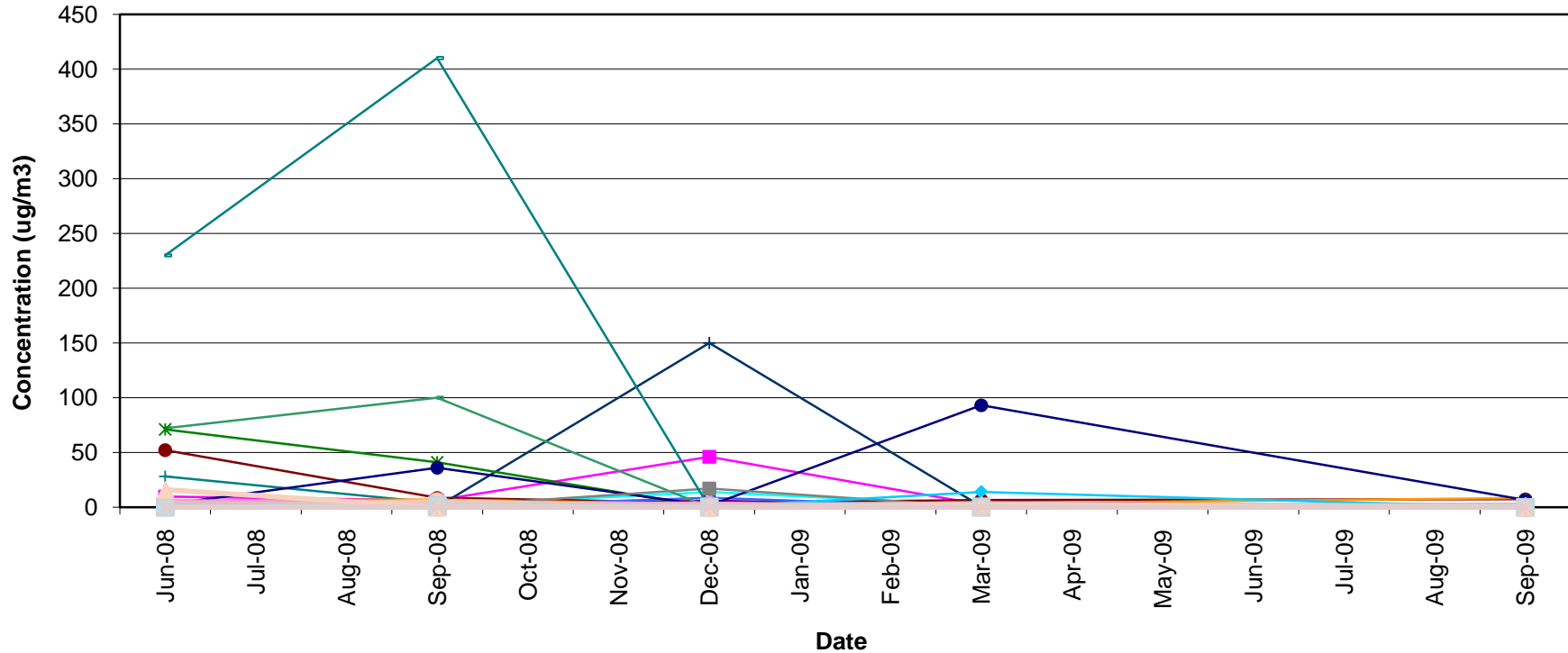


Benzene	Toluene	Ethylbenzene	Xylene, m,p-	Xylene, o-	Acetaldehyde
Acetone	Acrolein (propenal)	Allyl chloride	Benzothiophene	Bromodichloromethane	Bromoform
Bromomethane	Butadiene, 1,3-	Butane	Butanone, 2-	Carbon disulfide	Carbon tetrachloride
Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Chlorotoluene, 2-	Cryofluorane
Cyclohexane	Decane, n-	Dibromochloromethane	Dibromoethane, 1,2-	Dichlorobenzene, 1,2-	Dichlorobenzene, 1,3-
Dichlorobenzene, 1,4-	Dichlorodifluoromethane	Dichloroethane, 1,1-	Dichloroethane, 1,2-	Dichloroethene, 1,1-	Dichloroethene, cis-1,2-
Dichloropropane, 1,2-	Dichloropropene, cis-1,3	Dichloropropene, trans-1,3	Dioxane, 1,4-	Dodecane, n-	Ethanol
Ethylthiophene, 2-	Ethyltoluene, p-	Heptane, n-	Hexachlorobutadiene	Hexane, n-	Hexanone, 2-
Hydrogen sulfide	Indan	Indene	Isopropyl benzene	Methyl tert-butyl ether	Methyl-2-pentanone, 4-
Methylene chloride	Methylnaphthalene, 1-	Methylnaphthalene, 2-	Methylthiophene, 2-	Methylthiophene, 3-	Naphthalene
Nonane	Octane, n-	Pentane	Propanol, 2-	Propylbenzene, n-	Styrene
t-Butyl alcohol	Tetrachloroethane, 1,1,2,2-	Tetrachloroethene	Tetrahydrofuran	Tetramethylbenzene, 1,2,4,5-	Thiophene
Trans-1,2-dichloroethene	Trichloro-1,2,2-trifluoroethane, 1,1,2-	Trichlorobenzene, 1,2,4-	Trichloroethane, 1,1,1-	Trichloroethane, 1,1,2-	Trichloroethene
Trichlorofluoromethane	Trimethylbenzene, 1,2,3-	Trimethylbenzene, 1,2,4-	Trimethylbenzene, 1,3,5-	Trimethylpentane, 2,2,4-	Undecane, n-
Vinyl bromide	Vinyl chloride				

Appendix D
 Soil Vapor Analytical Results
 Operable Unit No.2
 Bay Shore/Brightwaters Former MGP Site
OU2SG15 BTEX

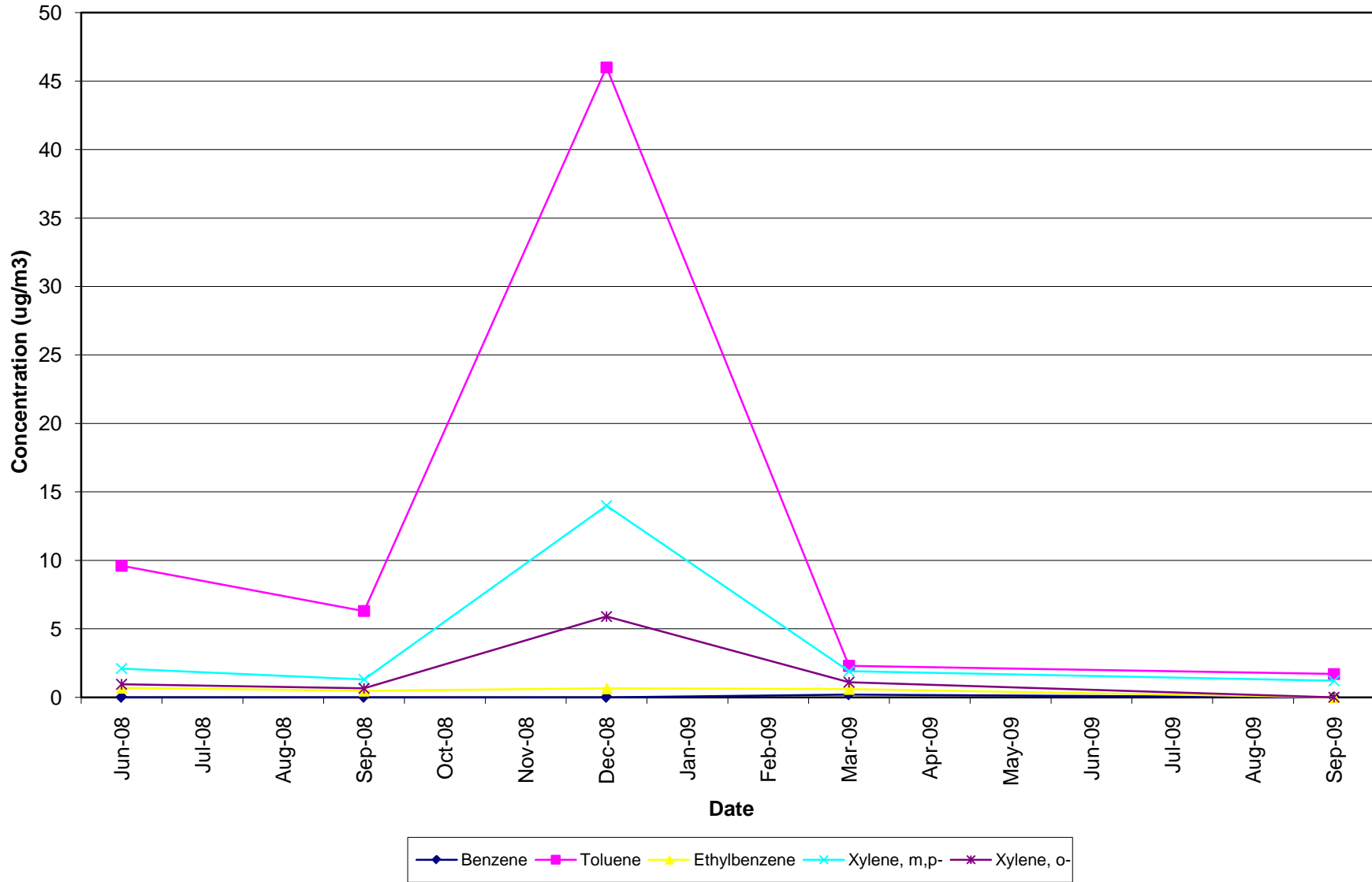


Appendix D
Soil Vapor Analytical Results
Operable Unit No.2
Bay Shore/Brightwaters Former MGP Site
OU2SG16

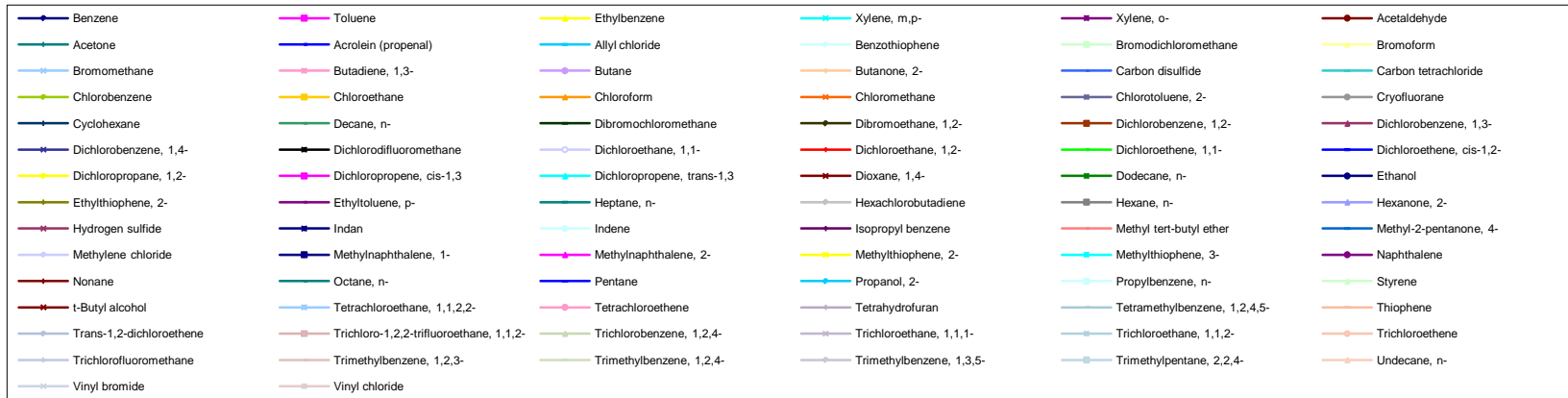
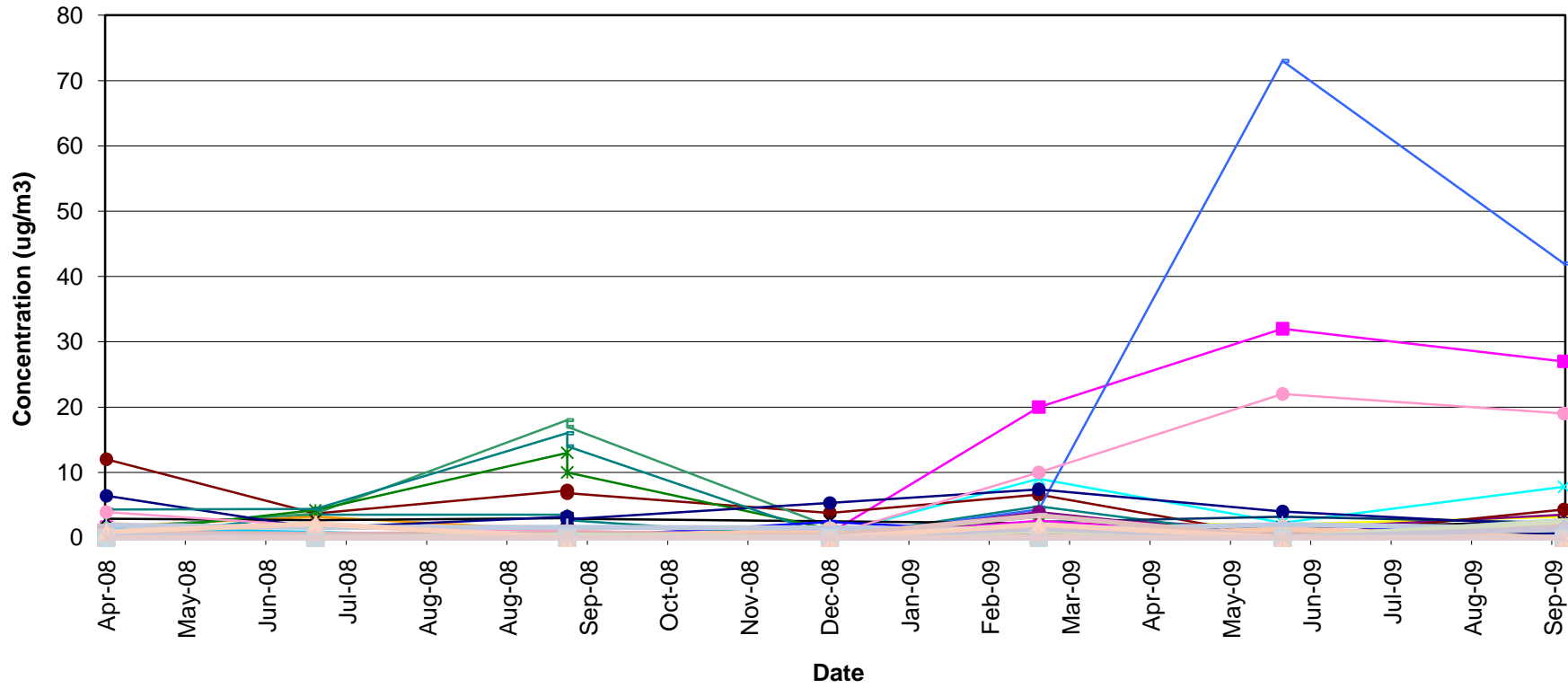


◆ Benzene	◆ Toluene	◆ Ethylbenzene	◆ Xylene, m,p-	◆ Xylene, o-	◆ Acetaldehyde
◆ Acetone	◆ Acrolein (propenal)	◆ Allyl chloride	◆ Benzothiophene	◆ Bromodichloromethane	◆ Bromoform
◆ Bromomethane	◆ Butadiene, 1,3-	◆ Butane	◆ Butanone, 2-	◆ Carbon disulfide	◆ Carbon tetrachloride
◆ Chlorobenzene	◆ Chloroethane	◆ Chloroform	◆ Chloromethane	◆ Chlorotoluene, 2-	◆ Cryofluorane
◆ Cyclohexane	◆ Decane, n-	◆ Dibromochloromethane	◆ Dibromoethane, 1,2-	◆ Dichlorobenzene, 1,2-	◆ Dichlorobenzene, 1,3-
◆ Dichlorobenzene, 1,4-	◆ Dichlorodifluoromethane	◆ Dichloroethane, 1,1-	◆ Dichloroethane, 1,2-	◆ Dichloroethene, 1,1-	◆ Dichloroethene, cis-1,2-
◆ Dichloropropane, 1,2-	◆ Dichloropropene, cis-1,3	◆ Dichloropropene, trans-1,3	◆ Dioxane, 1,4-	◆ Dodecane, n-	◆ Ethanol
◆ Ethylthiophene, 2-	◆ Ethyltoluene, p-	◆ Heptane, n-	◆ Hexachlorobutadiene	◆ Hexane, n-	◆ Hexanone, 2-
◆ Hydrogen sulfide	◆ Indan	◆ Indene	◆ Isopropyl benzene	◆ Methyl tert-butyl ether	◆ Methyl-2-pentanone, 4-
◆ Methylene chloride	◆ Methylnaphthalene, 1-	◆ Methylnaphthalene, 2-	◆ Methylthiophene, 2-	◆ Methylthiophene, 3-	◆ Naphthalene
◆ Nonane	◆ Octane, n-	◆ Pentane	◆ Propanol, 2-	◆ Propylbenzene, n-	◆ Styrene
◆ t-Butyl alcohol	◆ Tetrachloroethane, 1,1,2,2-	◆ Tetrachloroethene	◆ Tetrahydrofuran	◆ Tetramethylbenzene, 1,2,4,5-	◆ Thiophene
◆ Trans-1,2-dichloroethene	◆ Trichloro-1,2,2-trifluoroethane, 1,1,2-	◆ Trichlorobenzene, 1,2,4-	◆ Trichloroethane, 1,1,1-	◆ Trichloroethane, 1,1,2-	◆ Trichloroethene
◆ Trichlorofluoromethane	◆ Trimethylbenzene, 1,2,3-	◆ Trimethylbenzene, 1,2,4-	◆ Trimethylbenzene, 1,3,5-	◆ Trimethylpentane, 2,2,4-	◆ Undecane, n-
◆ Vinyl bromide	◆ Vinyl chloride				

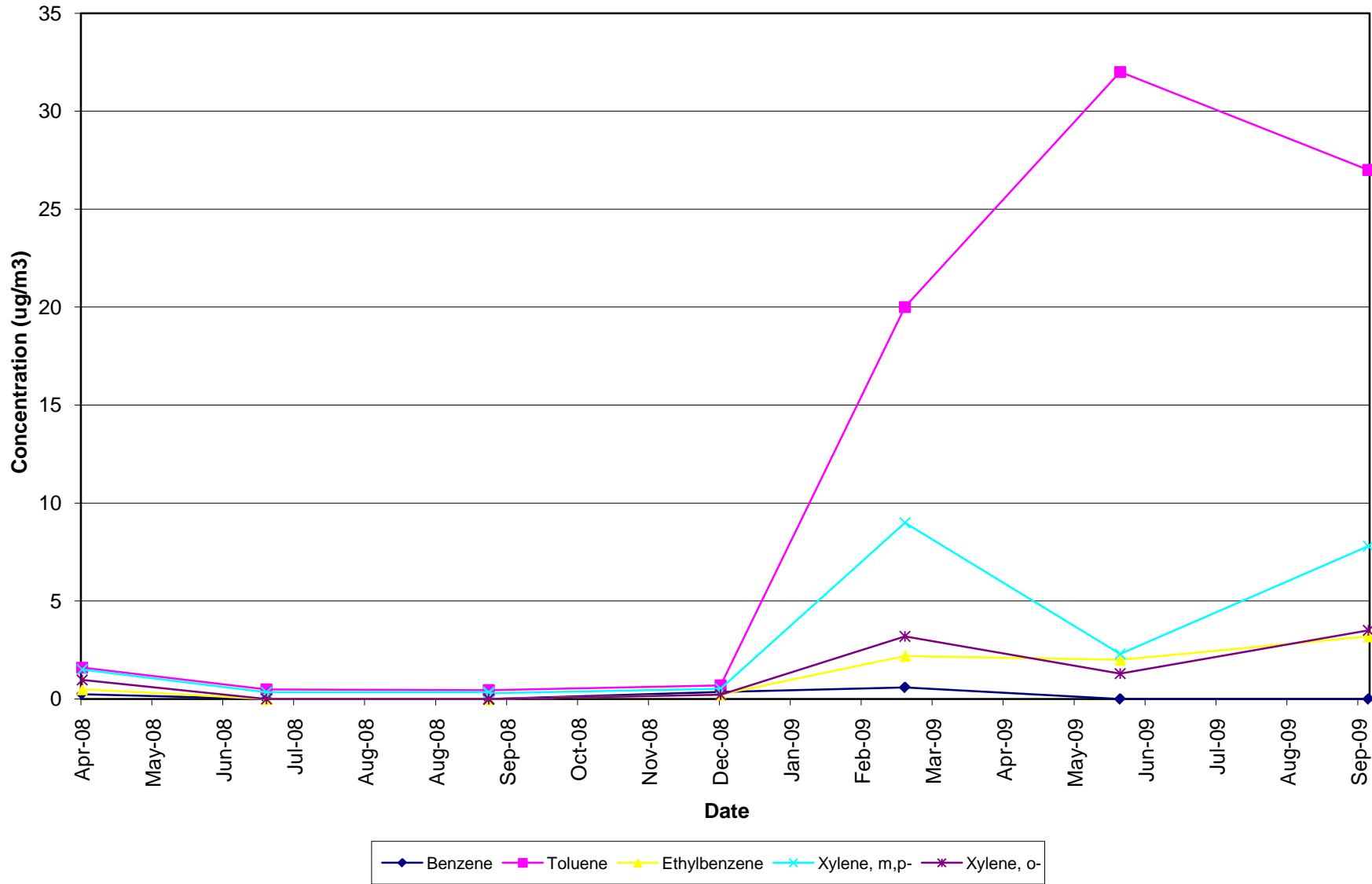
Appendix D
Soil Vapor Analytical Results
Operable Unit No.2
Bay Shore/Brightwaters Former MGP Site
OU2SG16 BTEX



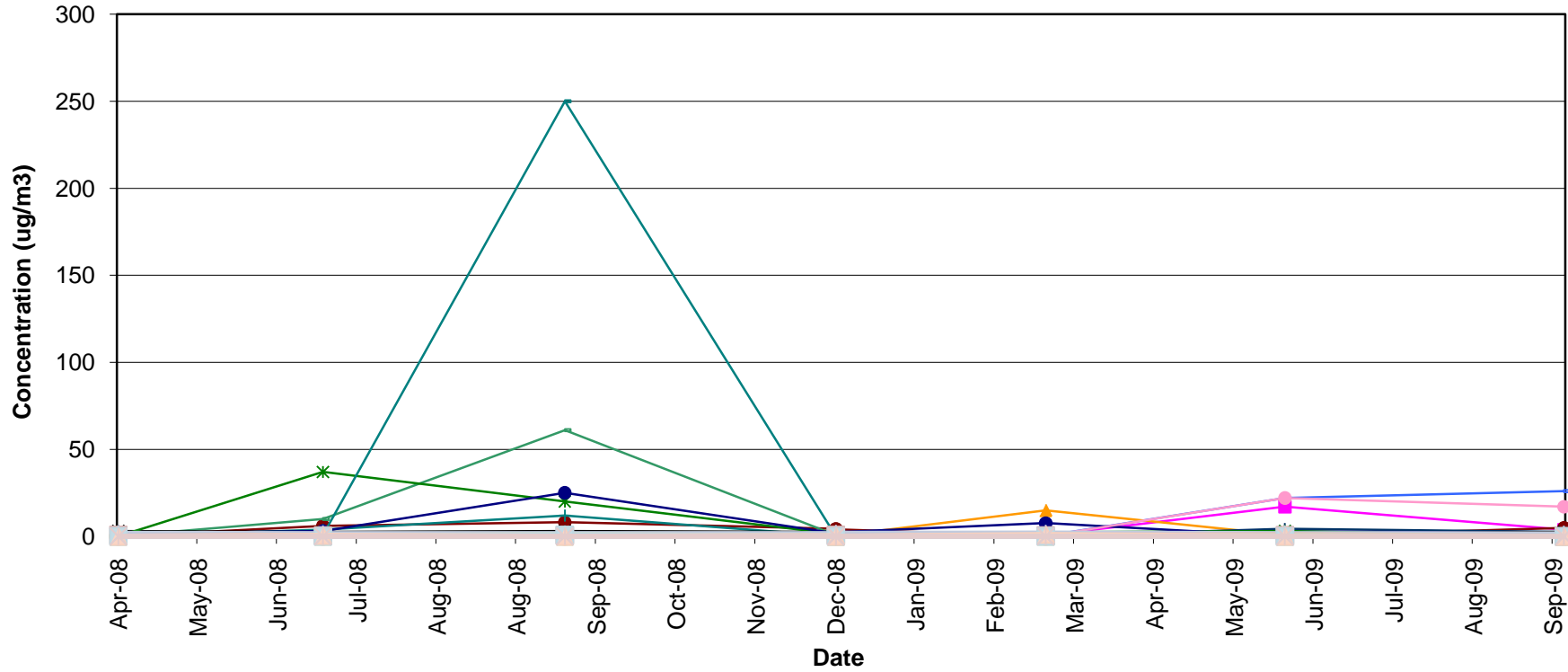
Appendix D
Soil Vapor Analytical Results
Operable Unit No.2
Bay Shore/Brightwaters Former MGP Site
OU2SG17



Appendix D
 Soil Vapor Analytical Results
 Operable Unit No.2
 Bay Shore/Brightwaters Former MGP Site
OU2SG17 BTEX

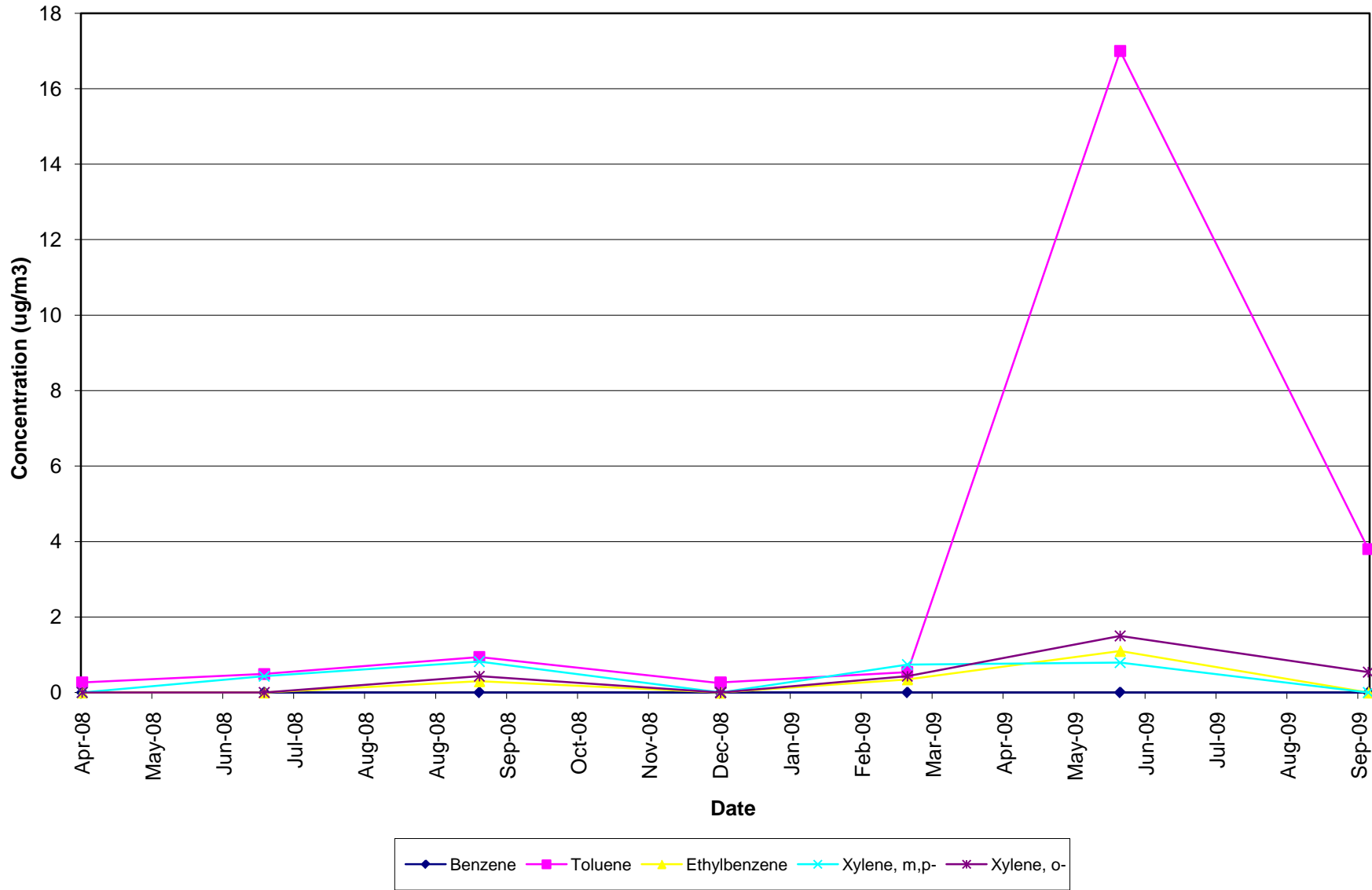


Appendix D
 Soil Vapor Analytical Results
 Operable Unit No.2
 Bay Shore/Brightwaters Former MGP Site
OU2SG18

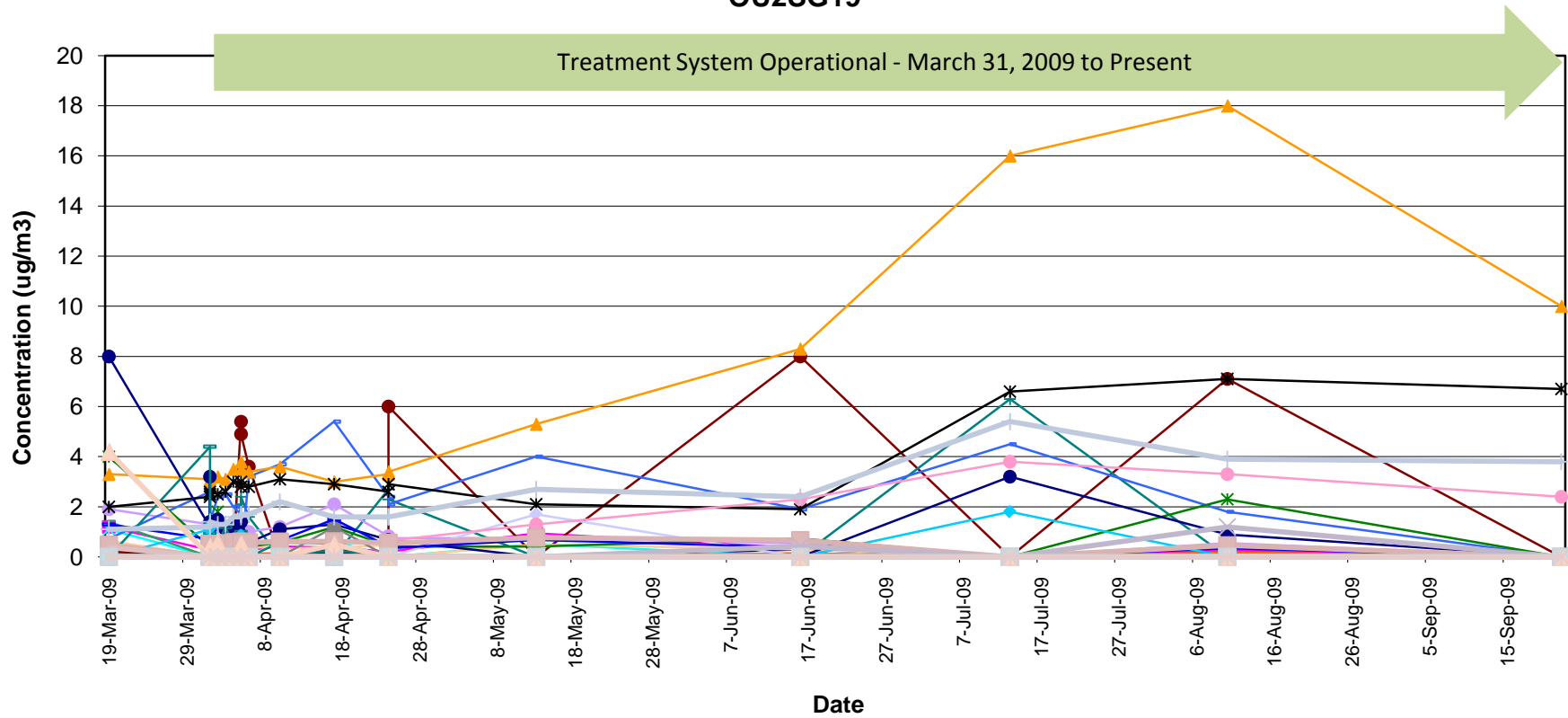


Benzene	Toluene	Ethylbenzene	Xylene, m,p-	Xylene, o-	Acetaldehyde
Acetone	Acrolein (propenal)	Allyl chloride	Benzothiophene	Bromodichloromethane	Bromoform
Bromomethane	Butadiene, 1,3-	Butane	Butanone, 2-	Carbon disulfide	Carbon tetrachloride
Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Chlorotoluene, 2-	Cryofluorane
Cyclohexane	Decane, n-	Dibromochloromethane	Dibromoethane, 1,2-	Dichlorobenzene, 1,2-	Dichlorobenzene, 1,3-
Dichlorobenzene, 1,4-	Dichlorodifluoromethane	Dichloroethane, 1,1-	Dichloroethane, 1,2-	Dichloroethene, 1,1-	Dichloroethene, cis-1,2-
Dichloropropane, 1,2-	Dichloropropene, cis-1,3	Dichloropropene, trans-1,3	Dioxane, 1,4-	Dodecane, n-	Ethanol
Ethylthiophene, 2-	Ethyltoluene, p-	Heptane, n-	Hexachlorobutadiene	Hexane, n-	Hexanone, 2-
Hydrogen sulfide	Indan	Indene	Isopropyl benzene	Methyl tert-butyl ether	Methyl-2-pentanone, 4-
Methylene chloride	Methylnaphthalene, 1-	Methylnaphthalene, 2-	Methylthiophene, 2-	Methylthiophene, 3-	Naphthalene
Nonane	Octane, n-	Pentane	Propanol, 2-	Propylbenzene, n-	Styrene
t-Butyl alcohol	Tetrachloroethane, 1,1,2,2-	Tetrachloroethene	Tetrahydrofuran	Tetramethylbenzene, 1,2,4,5-	Thiophene
Trans-1,2-dichloroethene	Trichloro-1,2,2-trifluoroethane, 1,1,2-	Trichlorobenzene, 1,2,4-	Trichloroethane, 1,1,1-	Trichloroethane, 1,1,2-	Trichloroethene
Trichlorofluoromethane	Trimethylbenzene, 1,2,3-	Trimethylbenzene, 1,2,4-	Trimethylbenzene, 1,3,5-	Trimethylpentane, 2,2,4-	Undecane, n-
Vinyl bromide	Vinyl chloride				

Appendix D
Soil Vapor Analytical Results
Operable Unit No.2
Bay Shore/Brightwaters Former MGP Site
OU2SG18 BTEX

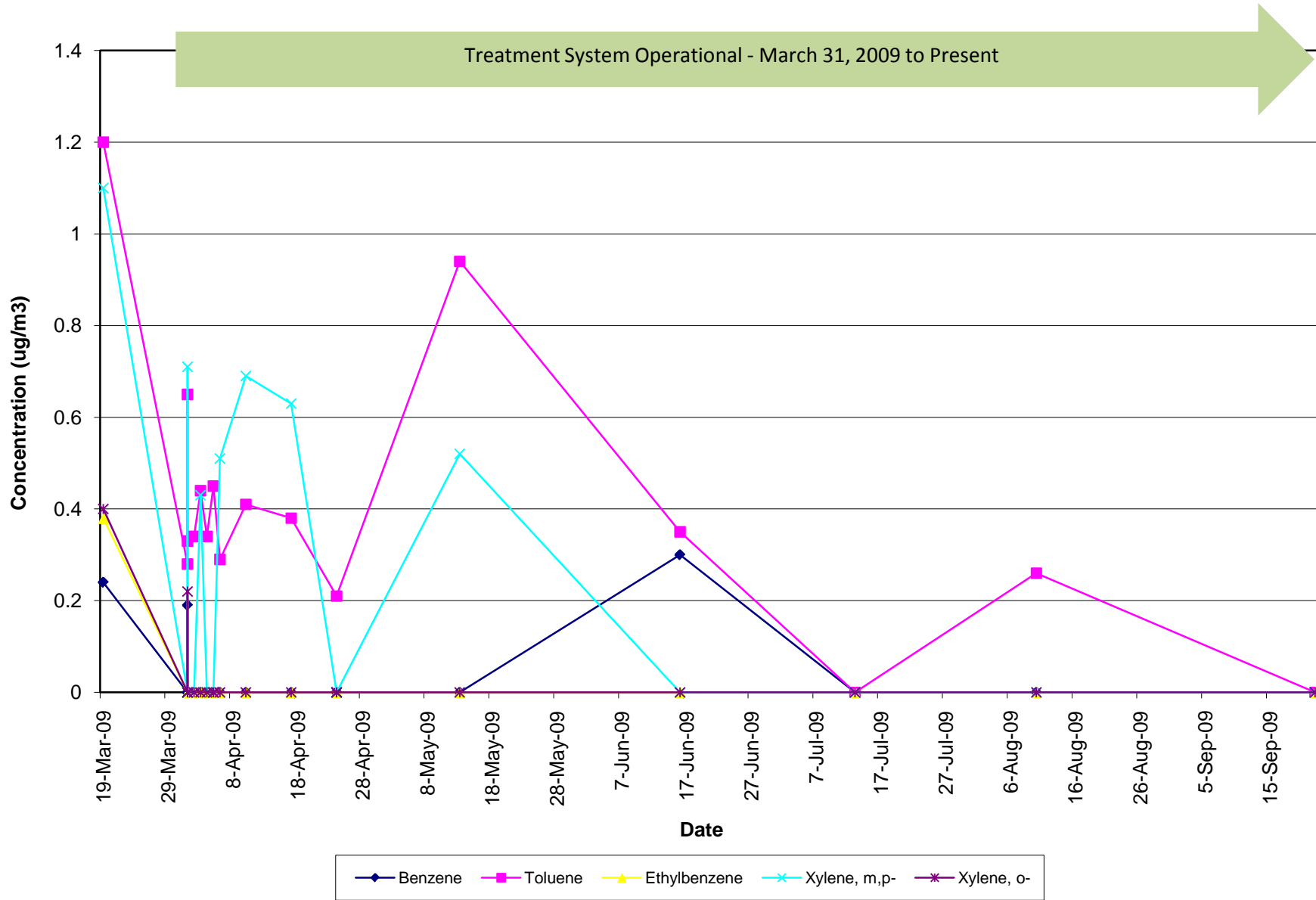


Appendix D
Soil Vapor Analytical Results
Operable Unit No.2
Bay Shore/Brightwaters Former MGP Site
OU2SG19

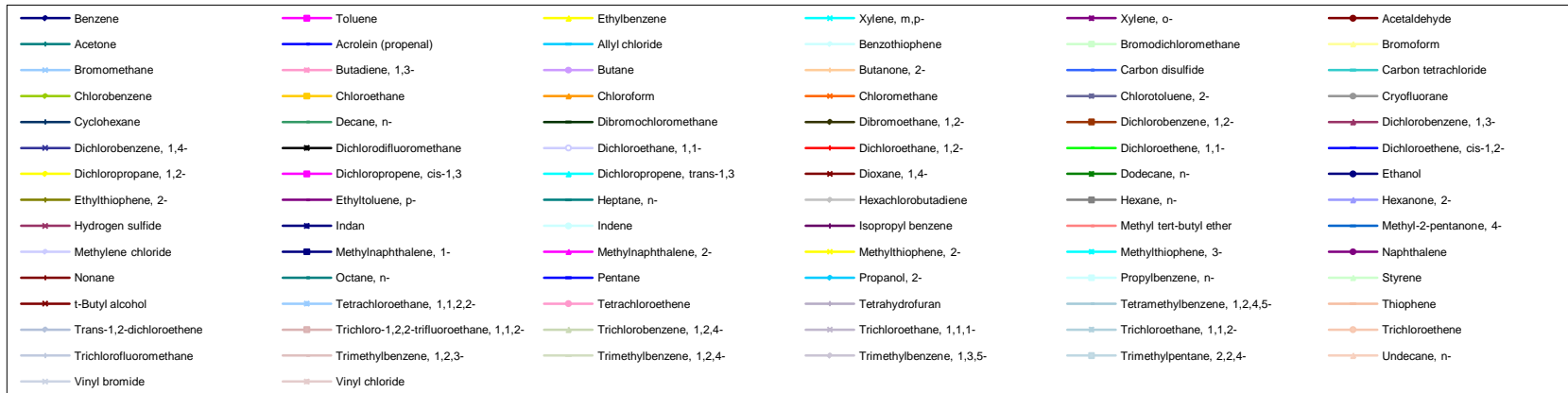
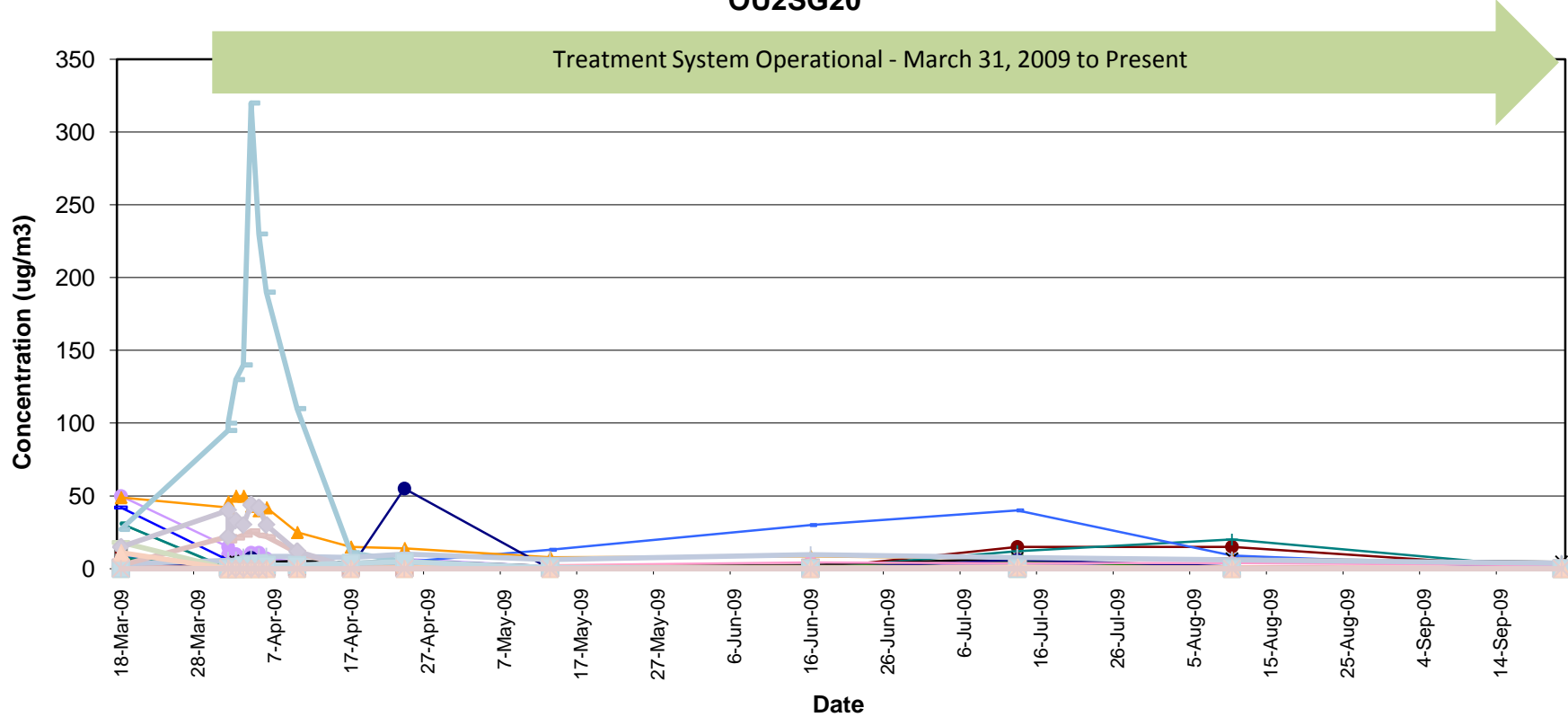


Benzene	Toluene	Ethylbenzene	Xylene, m,p-	Xylene, o-	Acetaldehyde
Acetone	Acrolein (propenal)	Allyl chloride	Benzothiophene	Bromodichloromethane	Bromoform
Bromomethane	Butadiene, 1,3-	Butane	Butanone, 2-	Carbon disulfide	Carbon tetrachloride
Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Chlorotoluene, 2-	Cryofluorane
Cyclohexane	Decane, n-	Dibromochloromethane	Dibromoethane, 1,2-	Dichlorobenzene, 1,2-	Dichlorobenzene, 1,3-
Dichlorobenzene, 1,4-	Dichlorodifluoromethane	Dichloroethane, 1,1-	Dichloroethane, 1,2-	Dichloroethene, 1,1-	Dichloroethene, cis-1,2-
Dichloropropane, 1,2-	Dichloropropene, cis-1,3	Dichloropropene, trans-1,3	Dioxane, 1,4-	Dodecane, n-	Ethanol
Ethylthiophene, 2-	Ethyltoluene, p-	Heptane, n-	Hexachlorobutadiene	Hexane, n-	Hexanone, 2-
Hydrogen sulfide	Indan	Indene	Isopropyl benzene	Methyl tert-butyl ether	Methyl-2-pentanone, 4-
Methylene chloride	Methylnaphthalene, 1-	Methylnaphthalene, 2-	Methylthiophene, 2-	Methylthiophene, 3-	Naphthalene
Nonane	Octane, n-	Pentane	Propanol, 2-	Propylbenzene, n-	Styrene
t-Butyl alcohol	Tetrachloroethane, 1,1,2,2-	Tetrachloroethene	Tetrahydrofuran	Tetramethylbenzene, 1,2,4,5-	Thiophene
Trans-1,2-dichloroethene	Trichloro-1,2,2-trifluoroethane, 1,1,2-	Trichlorobenzene, 1,2,4-	Trichloroethane, 1,1,1-	Trichloroethane, 1,1,2-	Trichloroethene
Trichlorofluoromethane	Trimethylbenzene, 1,2,3-	Trimethylbenzene, 1,2,4-	Trimethylbenzene, 1,3,5-	Trimethylpentane, 2,2,4-	Undecane, n-
Vinyl bromide	Vinyl chloride				

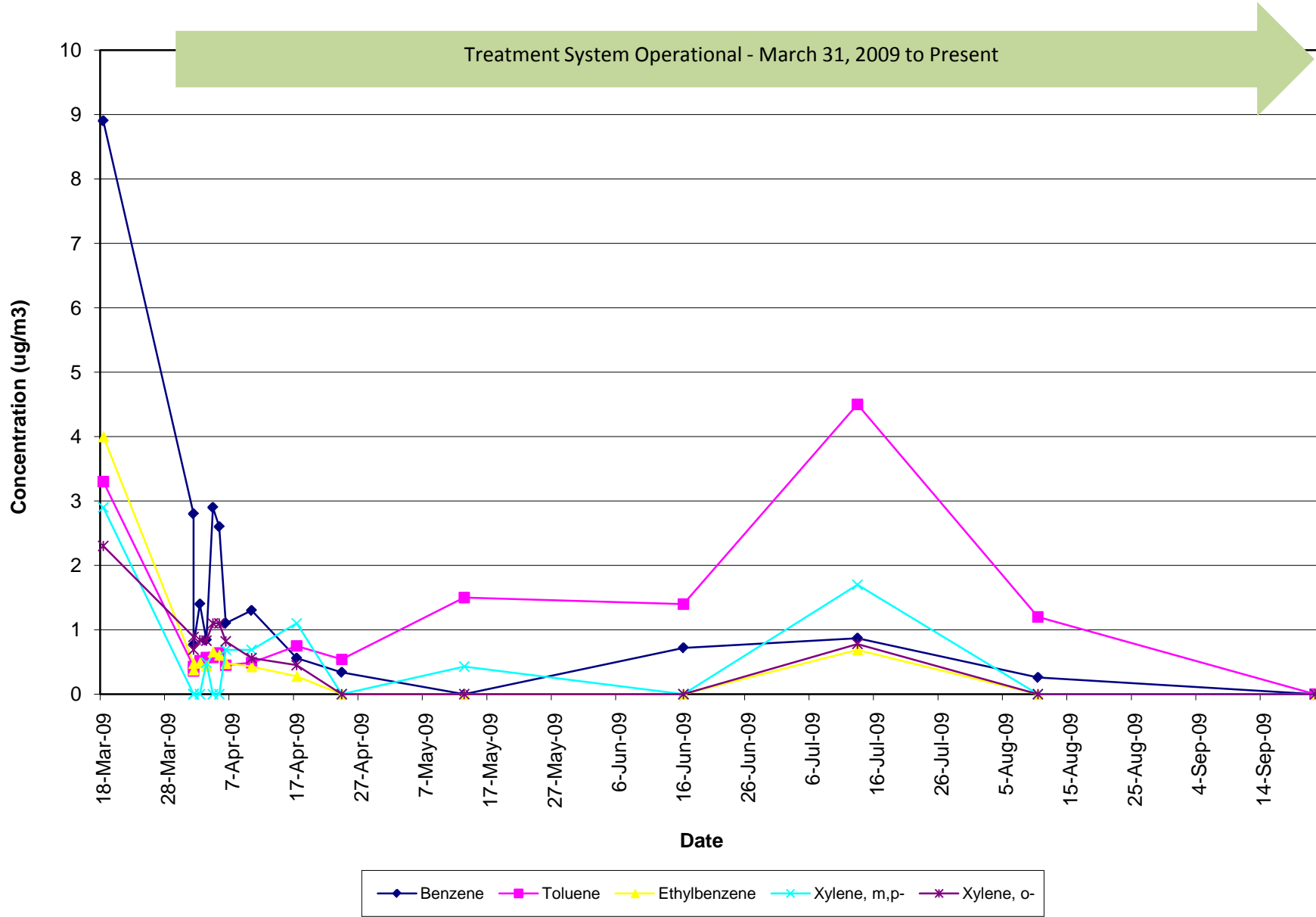
Appendix D
 Soil Vapor Analytical Results
 Operable Unit No.2
 Bay Shore/Brightwaters Former MGP Site
OU2SG19 BTEX



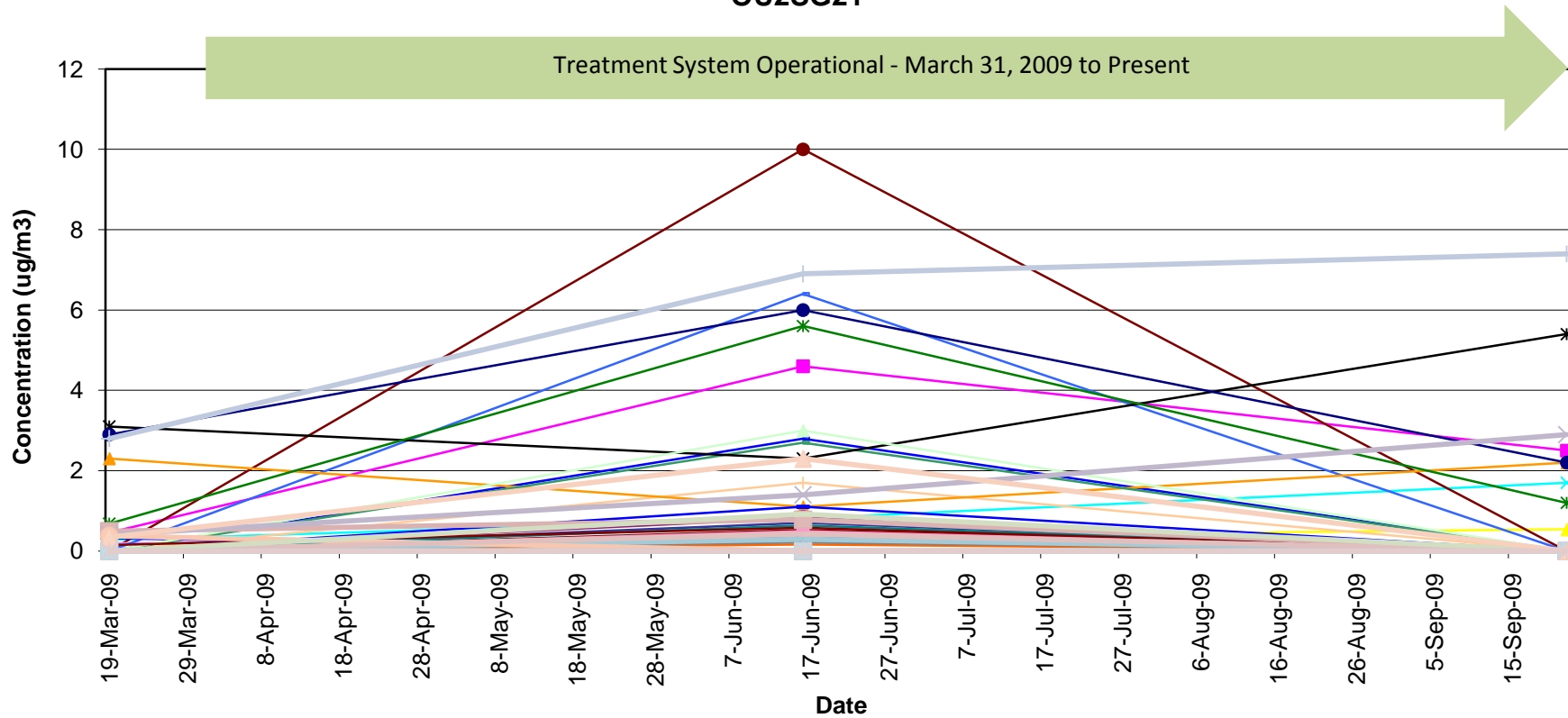
Appendix D
Soil Vapor Analytical Results
Operable Unit No.2
Bay Shore/Brightwaters Former MGP Site
OU2SG20



Appendix D
 Soil Vapor Analytical Results
 Operable Unit No.2
 Bay Shore/Brightwaters Former MGP Site
OU2SG20 BTEX

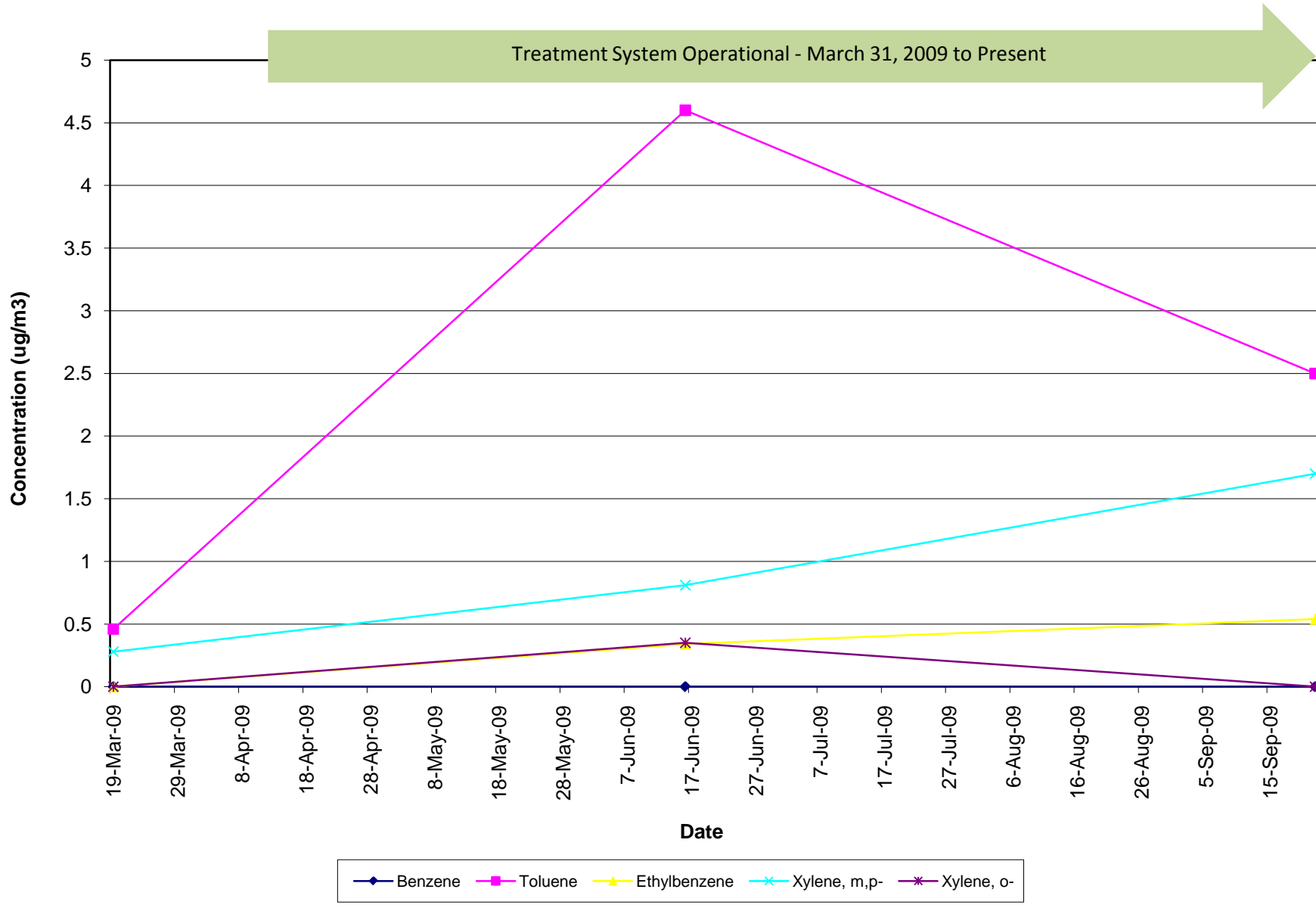


Appendix D
Soil Vapor Analytical Results
Operable Unit No.2
Bay Shore/Brightwaters Former MGP Site
OU2SG21

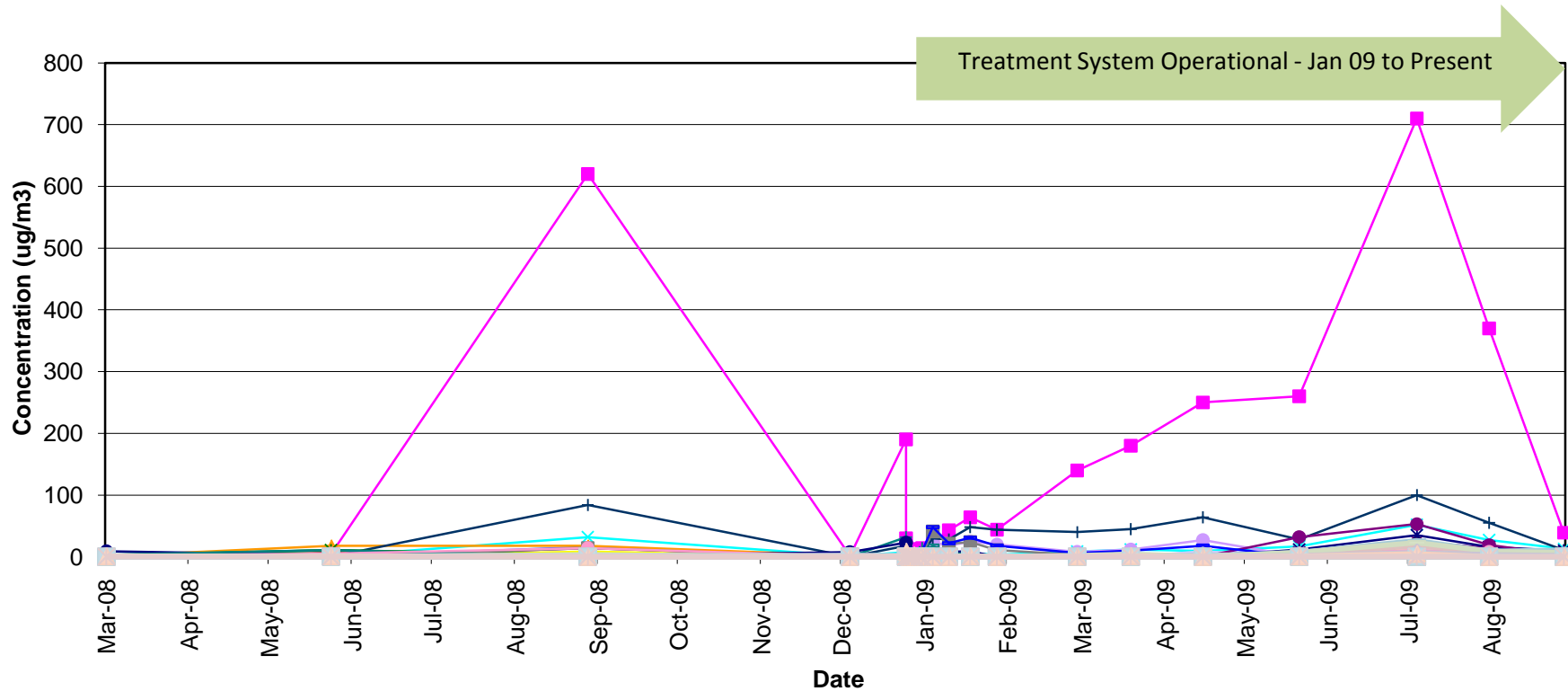


● Benzene	● Toluene	● Ethylbenzene	● Xylene, m,p-	● Xylene, o-	● Acetaldehyde
● Acetone	● Acrolein (propenal)	● Allyl chloride	● Benzothiophene	● Bromodichloromethane	● Bromoform
● Bromomethane	● Butadiene, 1,3-	● Butane	● Butanone, 2-	● Carbon disulfide	● Carbon tetrachloride
● Chlorobenzene	● Chloroethane	● Chloroform	● Chloromethane	● Chlorotoluene, 2-	● Cryofluorane
● Cyclohexane	● Decane, n-	● Dibromochloromethane	● Dibromoethane, 1,2-	● Dichloroethane, 1,2-	● Dichlorobenzene, 1,3-
● Dichlorobenzene, 1,4-	● Dichlorodifluoromethane	● Dichloroethane, 1,1-	● Dichloroethane, 1,2-	● Dichloroethene, 1,1-	● Dichloroethene, cis-1,2-
● Dichloropropane, 1,2-	● Dichloropropene, cis-1,3	● Dichloropropene, trans-1,3	● Dioxane, 1,4-	● Dodecane, n-	● Ethanol
● Ethylthiophene, 2-	● Ethyltoluene, p-	● Heptane, n-	● Hexachlorobutadiene	● Hexane, n-	● Hexanone, 2-
● Hydrogen sulfide	● Indan	● Indene	● Isopropyl benzene	● Methyl tert-butyl ether	● Methyl-2-pentanone, 4-
● Methylene chloride	● Methylnaphthalene, 1-	● Methylnaphthalene, 2-	● Methylthiophene, 2-	● Methylothiophene, 3-	● Naphthalene
● Nonane	● Octane, n-	● Pentane	● Propanol, 2-	● Propylbenzene, n-	● Styrene
● t-Butyl alcohol	● Tetrachloroethane, 1,1,2,2-	● Tetrachloroethene	● Tetrahydrofuran	● Tetramethylbenzene, 1,2,4,5-	● Thiophene
● Trans-1,2-dichloroethene	● Trichloro-1,2,2-trifluoroethane, 1,1,2-	● Trichlorobenzene, 1,2,4-	● Trichloroethane, 1,1,1-	● Trichloroethane, 1,1,2-	● Trichloroethene
● Trichlorofluoromethane	● Trimethylbenzene, 1,2,3-	● Trimethylbenzene, 1,2,4-	● Trimethylbenzene, 1,3,5-	● Trimethylpentane, 2,2,4-	● Undecane, n-
● Vinyl bromide	● Vinyl chloride				

Appendix D
Soil Vapor Analytical Results
Operable Unit No.2
Bay Shore/Brightwaters Former MGP Site
OU2SG21 BTEX

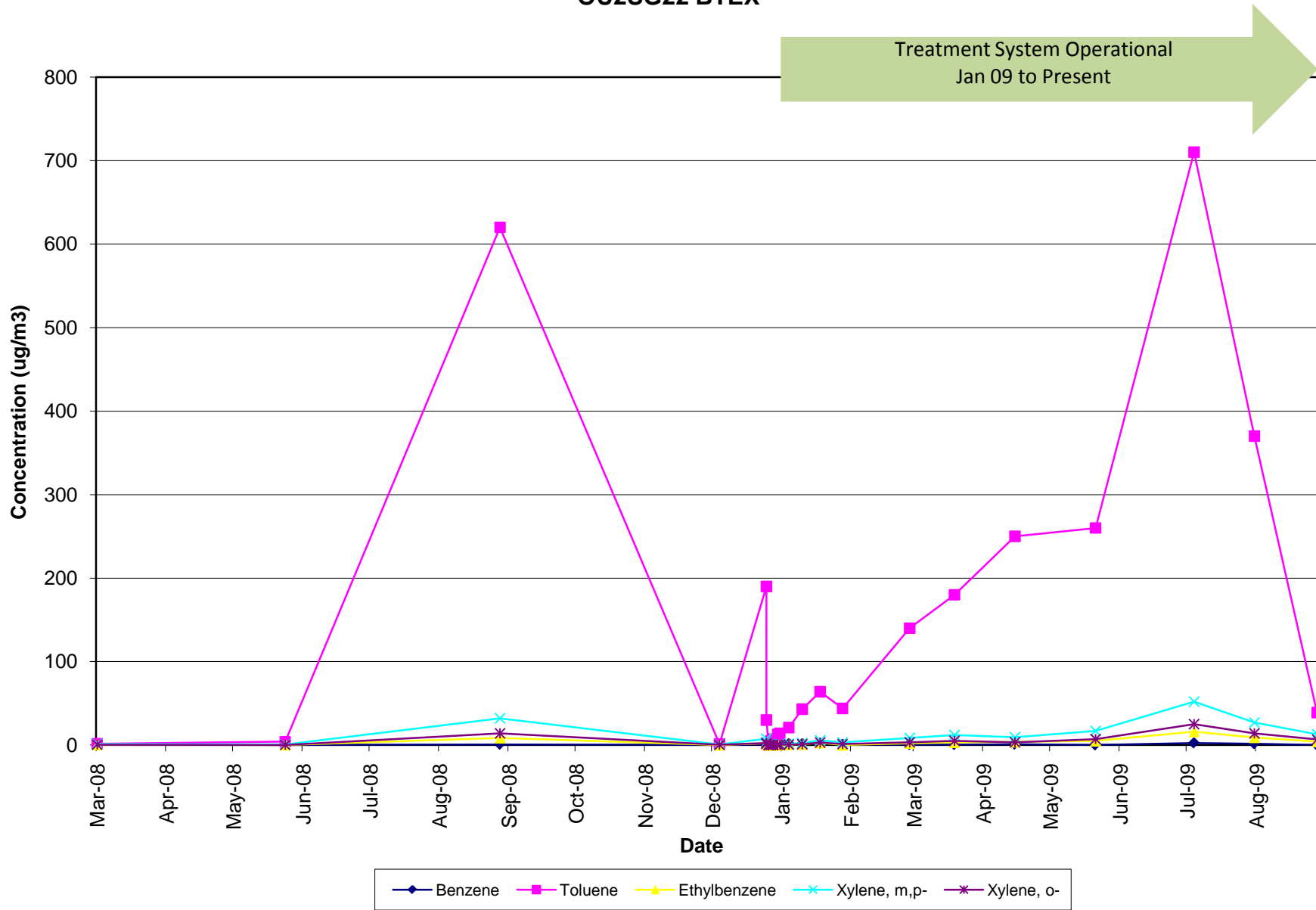


Appendix D
Soil Vapor Analytical Results
Operable Unit No.2
Bay Shore/Brightwaters Former MGP Site
OU2SG22

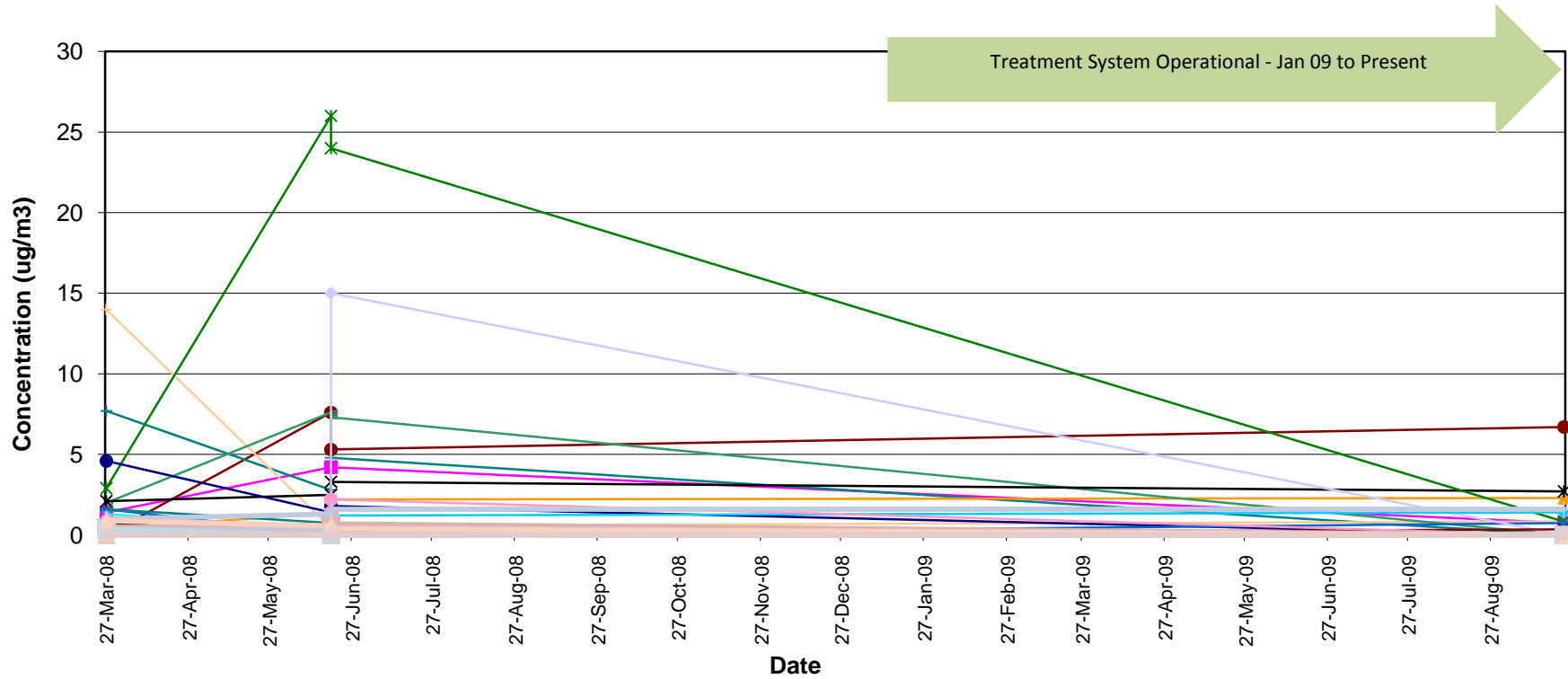


Benzene	Toluene	Ethylbenzene	Xylene, m,p-	Xylene, o-	Acetaldehyde
Acetone	Acrolein (propenal)	Allyl chloride	Benzothiophene	Bromodichloromethane	Bromoform
Bromomethane	Butadiene, 1,3-	Butane	Butanone, 2-	Carbon disulfide	Carbon tetrachloride
Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Chlorotoluene, 2-	Cryofluorane
Cyclohexane	Decane, n-	Dibromochloromethane	Dibromoethane, 1,2-	Dichlorobenzene, 1,2-	Dichlorobenzene, 1,3-
Dichlorobenzene, 1,4-	Dichlorodifluoromethane	Dichloroethane, 1,1-	Dichloroethane, 1,2-	Dichloroethene, 1,1-	Dichloroethene, cis-1,2-
Dichloropropane, 1,2-	Dichloropropene, cis-1,3	Dichloropropene, trans-1,3	Dioxane, 1,4-	Dodecane, n-	Ethanol
Ethylthiophene, 2-	Ethyltoluene, p-	Heptane, n-	Hexachlorobutadiene	Hexane, n-	Hexanone, 2-
Hydrogen sulfide	Indan	Indene	Isopropyl benzene	Methyl tert-butyl ether	Methyl-2-pentanone, 4-
Methylene chloride	Methylnaphthalene, 1-	Methylnaphthalene, 2-	Methylthiophene, 2-	Methylthiophene, 3-	Naphthalene
Nonane	Octane, n-	Pentane	Propanol, 2-	Propylbenzene, n-	Styrene
t-Butyl alcohol	Tetrachloroethane, 1,1,2,2-	Tetrachloroethene	Tetrahydrofuran	Tetramethylbenzene, 1,2,4,5-	Thiophene
Trans-1,2-dichloroethene	Trichloro-1,2,2-trifluoroethane, 1,1,2-	Trichlorobenzene, 1,2,4-	Trichloroethane, 1,1,1,2-	Trichloroethane, 1,1,2-	Trichloroethene
Trichlorofluoromethane	Trimethylbenzene, 1,2,3-	Trimethylbenzene, 1,2,4-	Trimethylbenzene, 1,3,5-	Trimethylpentane, 2,2,4-	Undecane, n-
Vinyl bromide	Vinyl chloride				

Appendix D
 Soil Vapor Analytical Results
 Operable Unit No.2
 Bay Shore/Brightwaters Former MGP Site
OU2SG22 BTEX

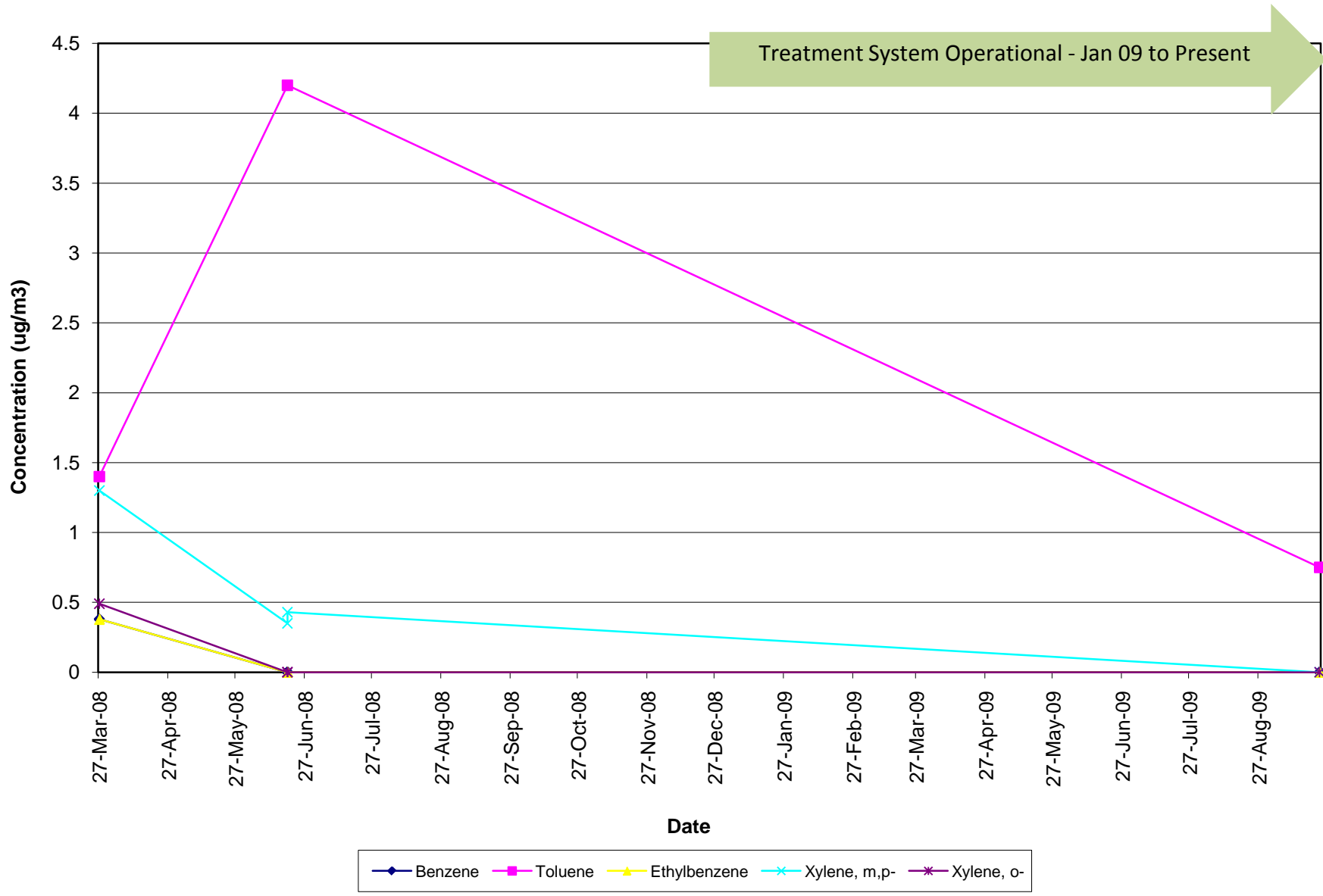


Appendix D
Soil Vapor Analytical Results
Operable Unit No.2
Bay Shore/Brightwaters Former MGP Site
OU2SG23

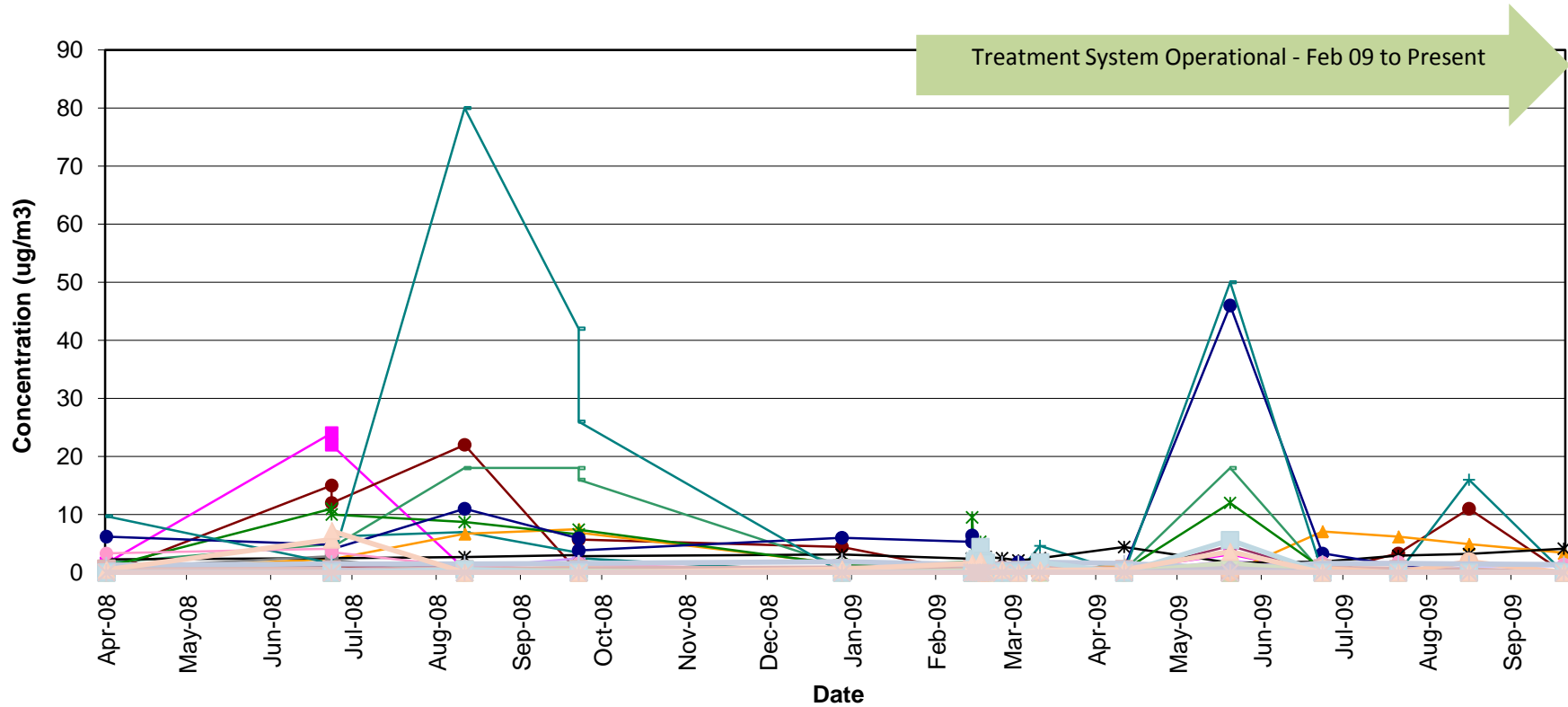


Benzene	Toluene	Ethylbenzene	Xylene, m,p	Xylene, o-	Acetaldehyde
Acetone	Acrolein (propenal)	Allyl chloride	Benzothiophene	Bromodichloromethane	Bromoform
Bromomethane	Butadiene, 1,3-	Butane	Butanone, 2-	Carbon disulfide	Carbon tetrachloride
Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Chlorotoluene, 2-	Cryofluorane
Cyclohexane	Decane, n-	Dibromochloromethane	Dibromoethane, 1,2-	Dichlorobenzene, 1,2-	Dichlorobenzene, 1,3-
Dichlorobenzene, 1,4-	Dichlorodifluoromethane	Dichloroethane, 1,1-	Dichloroethane, 1,2-	Dichloroethene, 1,1-	Dichloroethene, cis-1,2-
Dichloropropane, 1,2-	Dichloropropene, cis-1,3	Dichloropropene, trans-1,3	Dioxane, 1,4-	Dodecane, n-	Ethanol
Ethylthiophene, 2-	Ethyltoluene, p-	Heptane, n-	Hexachlorobutadiene	Hexane, n-	Hexanone, 2-
Hydrogen sulfide	Indan	Indene	Isopropyl benzene	Methyl tert-butyl ether	Methyl-2-pentanone, 4-
Methylene chloride	Methylnaphthalene, 1-	Methylnaphthalene, 2-	Methylthiophene, 2-	Methylthiophene, 3-	Naphthalene
Nonane	Octane, n-	Pentane	Propanol, 2-	Propylbenzene, n-	Styrene
t-Butyl alcohol	Tetrachloroethane, 1,1,2,2-	Tetrachloroethene	Tetrahydrofuran	Tetramethylbenzene, 1,2,4,5-	Thiophene
Trans-1,2-dichloroethene	Trichloro-1,2,2-trifluoroethane, 1,1,2-	Trichlorobenzene, 1,2,4-	Trichloroethane, 1,1,1-	Trichloroethane, 1,1,2-	Trichloroethene
Trichlorofluoromethane	Trimethylbenzene, 1,2,3-	Trimethylbenzene, 1,2,4-	Trimethylbenzene, 1,3,5-	Trimethylpentane, 2,2,4-	Undecane, n-
Vinyl bromide	Vinyl chloride				

Appendix D
Soil Vapor Analytical Results
Operable Unit No.2
Bay Shore/Brightwaters Former MGP Site
OU2SG23 BTEX

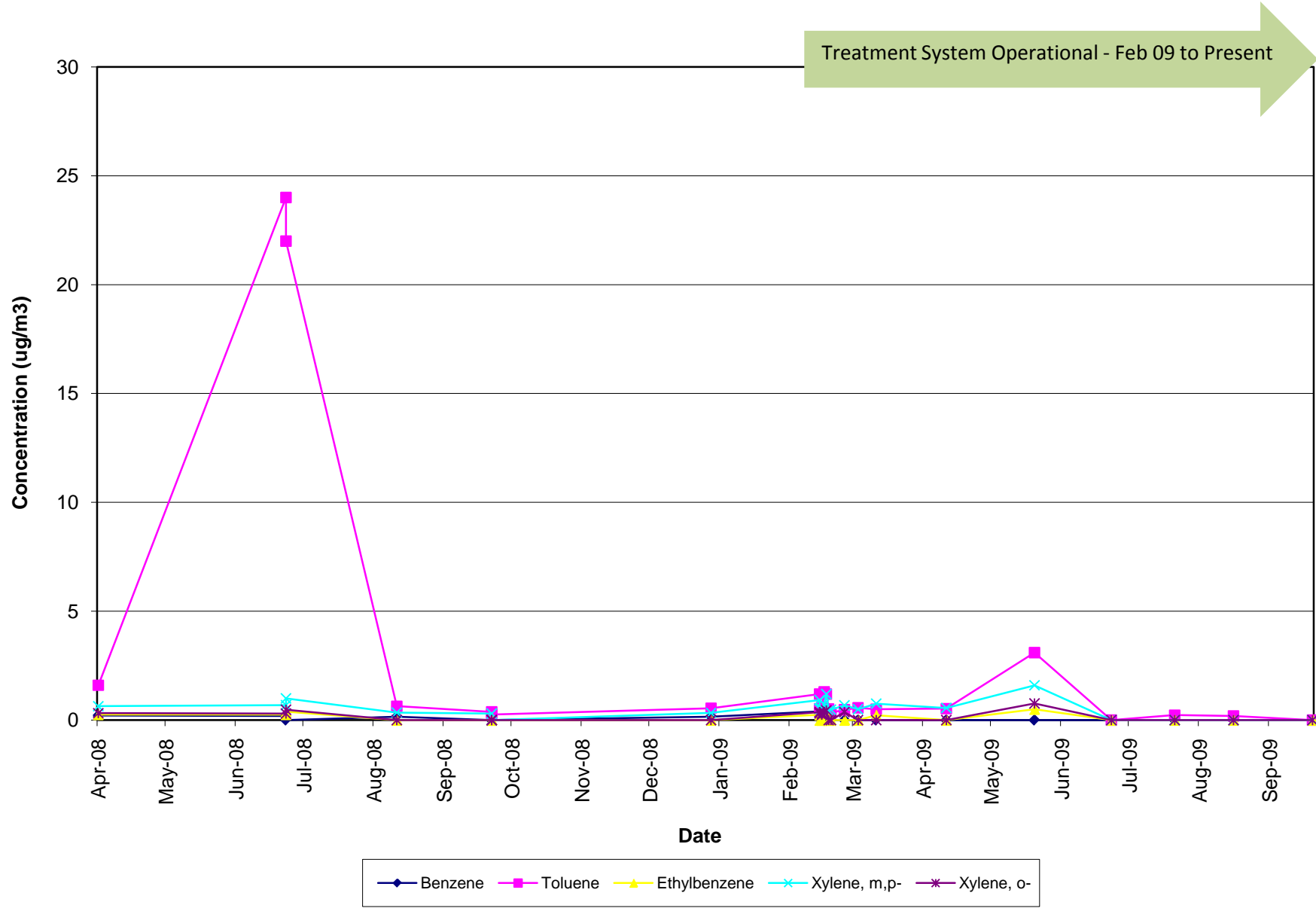


Appendix D
Soil Vapor Analytical Results
Operable Unit No.2
Bay Shore/Brightwaters Former MGP Site
OU2SG24

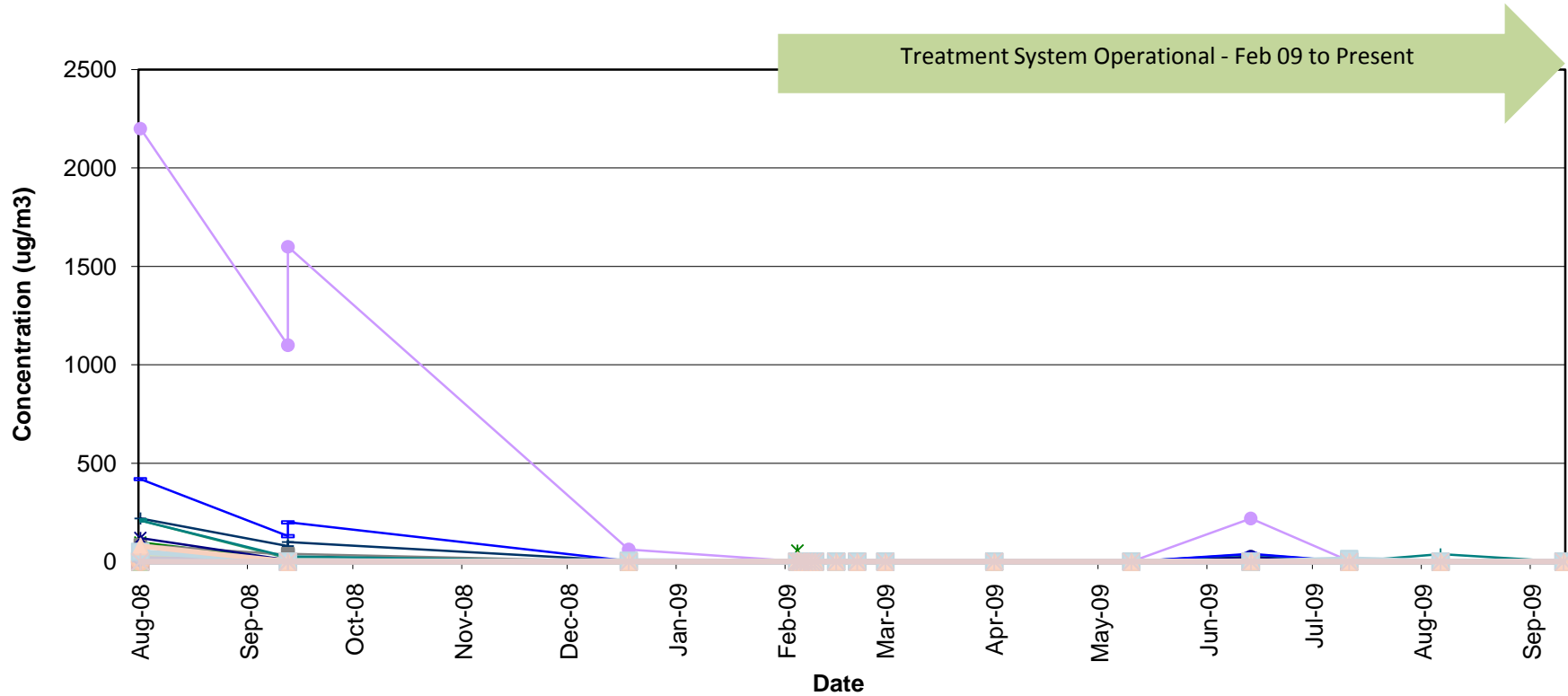


◆ Benzene	◆ Toluene	◆ Ethylbenzene	◆ Xylene, m,p-	◆ Xylene, o-	◆ Acetaldehyde
◆ Acetone	◆ Acrolein (propenal)	◆ Allyl chloride	◆ Benzothiophene	◆ Bromodichloromethane	◆ Bromoform
◆ Bromomethane	◆ Butadiene, 1,3-	◆ Butane	◆ Butanone, 2-	◆ Carbon disulfide	◆ Carbon tetrachloride
◆ Chlorobenzene	◆ Chloroethane	◆ Chloroform	◆ Chloromethane	◆ Chlorotoluene, 2-	◆ Cryofluorane
◆ Cyclohexane	◆ Decane, n-	◆ Dibromochloromethane	◆ Dibromoethane, 1,2-	◆ Dichlorobenzene, 1,2-	◆ Dichlorobenzene, 1,3-
◆ Dichlorobenzene, 1,4-	◆ Dichlorodifluoromethane	◆ Dichloroethane, 1,1-	◆ Dichloroethane, 1,2-	◆ Dichloroethene, 1,1-	◆ Dichloroethene, cis-1,2-
◆ Dichloropropane, 1,2-	◆ Dichloropropene, cis-1,3	◆ Dichloropropene, trans-1,3	◆ Dioxane, 1,4-	◆ Dodecane, n-	◆ Ethanol
◆ Ethylthiophene, 2-	◆ Ethyltoluene, p-	◆ Heptane, n-	◆ Hexachlorobutadiene	◆ Hexane, n-	◆ Hexanone, 2-
◆ Hydrogen sulfide	◆ Indan	◆ Indene	◆ Isopropyl benzene	◆ Methyl tert-butyl ether	◆ Methyl-2-pentanone, 4-
◆ Methylene chloride	◆ Methylnaphthalene, 1-	◆ Methylnaphthalene, 2-	◆ Methylothiophene, 2-	◆ Methylothiophene, 3-	◆ Naphthalene
◆ Nonane	◆ Octane, n-	◆ Pentane	◆ Propanol, 2-	◆ Propylbenzene, n-	◆ Styrene
◆ t-Butyl alcohol	◆ Tetrachloroethane, 1,1,2,2-	◆ Tetrachloroethene	◆ Tetrahydrofuran	◆ Tetramethylbenzene, 1,2,4,5-	◆ Thiophene
◆ Trans-1,2-dichloroethene	◆ Trichloro-1,2,2-trifluoroethane, 1,1,2-	◆ Trichlorobenzene, 1,2,4-	◆ Trichloroethane, 1,1,1-	◆ Trichloroethane, 1,1,2-	◆ Trichloroethene
◆ Trichlorofluoromethane	◆ Trimethylbenzene, 1,2,3-	◆ Trimethylbenzene, 1,2,4-	◆ Trimethylbenzene, 1,3,5-	◆ Trimethylpentane, 2,2,4-	◆ Undecane, n-
◆ Vinyl bromide	◆ Vinyl chloride				

Appendix D
 Soil Vapor Analytical Results
 Operable Unit No.2
 Bay Shore/Brightwaters Former MGP Site
OU2SG24 BTEX

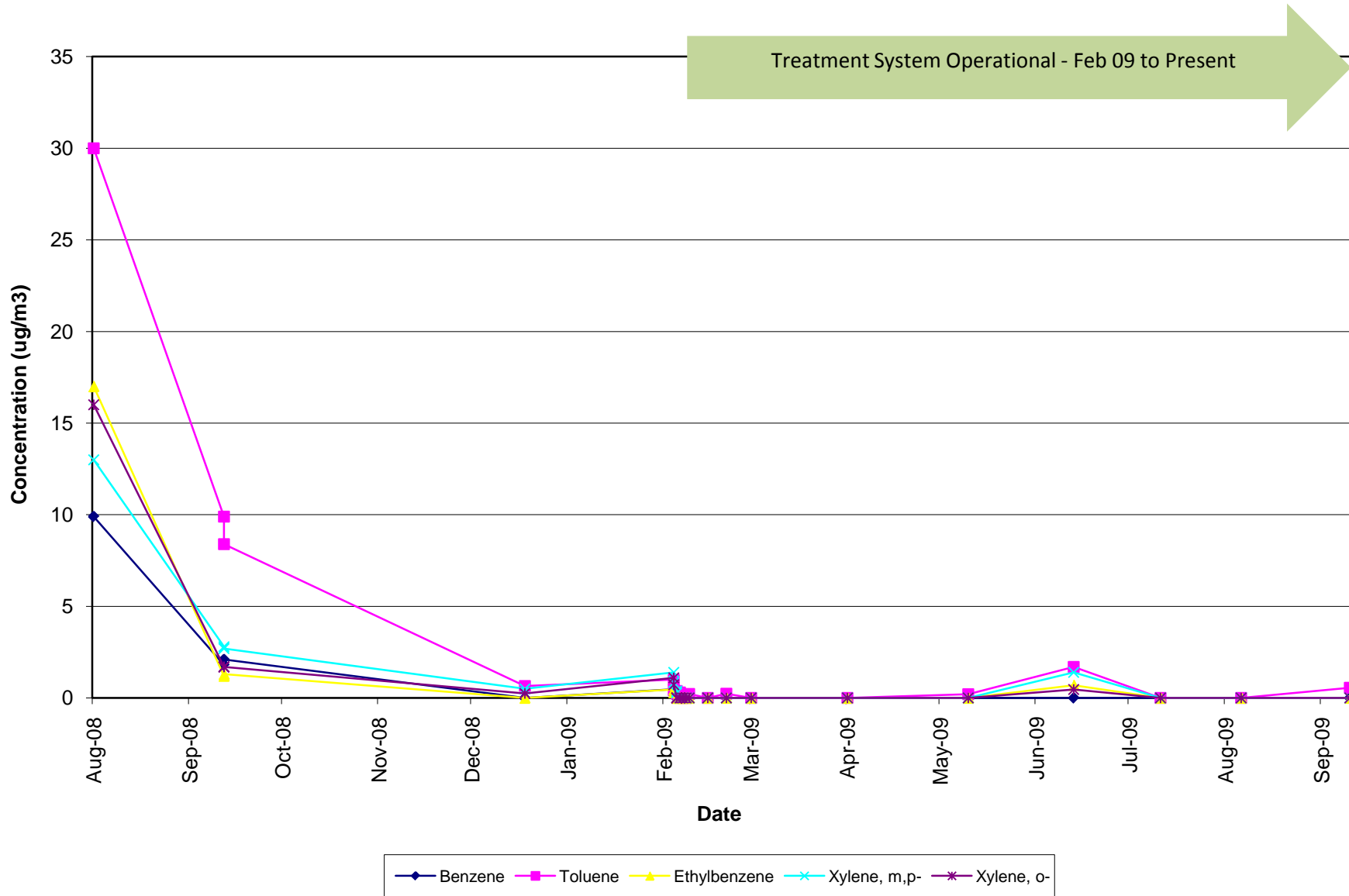


Appendix D
Soil Vapor Analytical Results
Operable Unit No.2
Bay Shore/Brightwaters Former MGP Site
OU2SG25

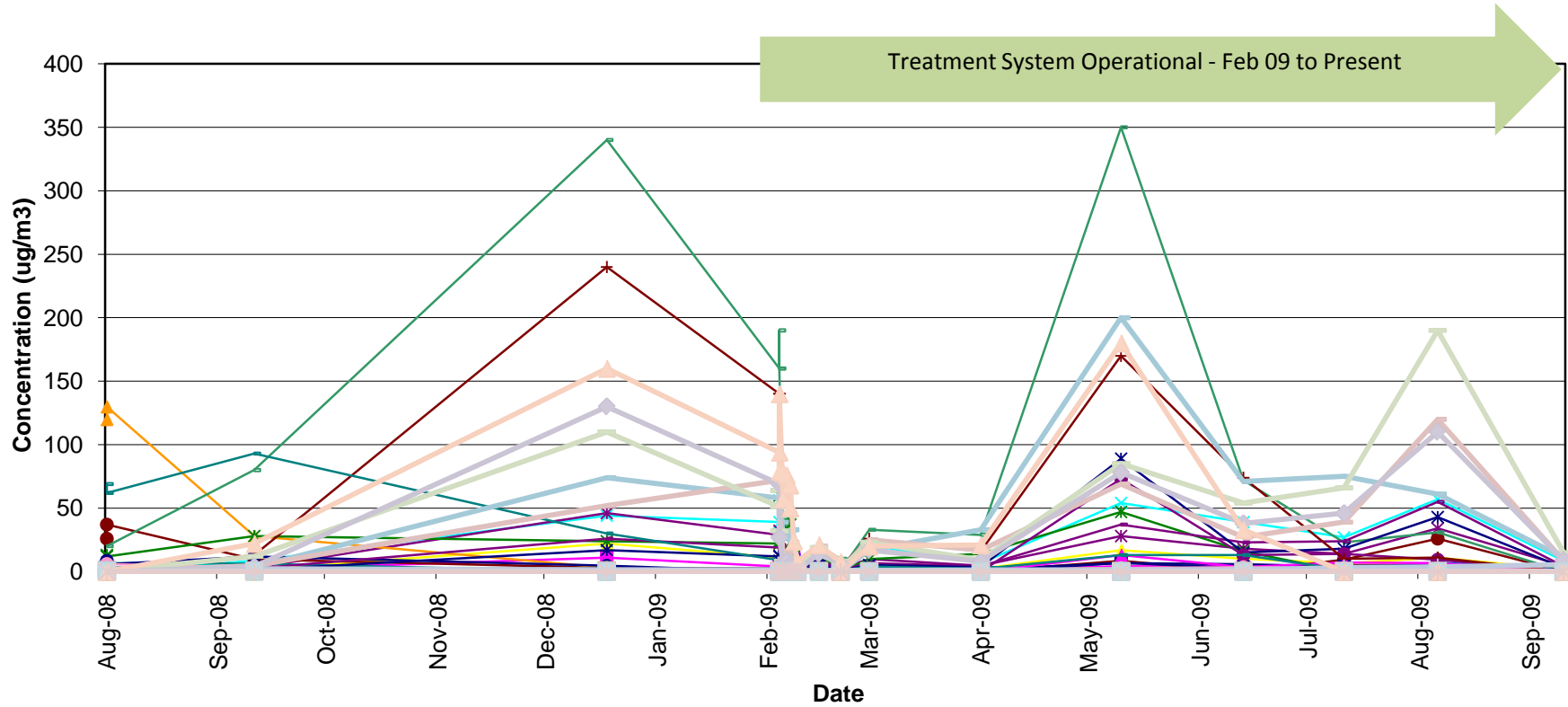


Benzene	Toluene	Ethylbenzene	Xylene, m,p-	Xylene, o-	Acetaldehyde
Acetone	Acrolein (propenal)	Allyl chloride	Benzo(b)thiophene	Bromodichloromethane	Bromoform
Bromomethane	Butadiene, 1,3-	Butane	Butanone, 2-	Carbon disulfide	Carbon tetrachloride
Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Chlorotoluene, 2-	Cryofluorane
Cyclohexane	Decane, n-	Dibromochloromethane	Dibromoethane, 1,2-	Dichloroethane, 1,2-	Dichlorobenzene, 1,3-
Dichlorobenzene, 1,4-	Dichlorodifluoromethane	Dichloroethane, 1,1-	Dichloroethane, 1,2-	Dichloroethene, 1,1-	Dichloroethene, cis-1,2-
Dichloropropane, 1,2-	Dichloropropene, cis-1,3	Dichloropropene, trans-1,3	Dioxane, 1,4-	Dodecane, n-	Ethanol
Ethylthiophene, 2-	Ethyltoluene, p-	Heptane, n-	Hexachlorobutadiene	Hexane, n-	Hexanone, 2-
Hydrogen sulfide	Indan	Indene	Isopropyl benzene	Methyl tert-butyl ether	Methyl-2-pentanone, 4-
Methylene chloride	Methylnaphthalene, 1-	Methylnaphthalene, 2-	Methylthiophene, 2-	Methylthiophene, 3-	Naphthalene
Nonane	Octane, n-	Pentane	Propanol, 2-	Propylbenzene, n-	Styrene
t-Butyl alcohol	Tetrachloroethane, 1,1,2,2-	Tetrachloroethene	Tetrahydrofuran	Tetramethylbenzene, 1,2,4,5-	Thiophene
Trans-1,2-dichloroethene	Trichloro-1,2,2-trifluoroethane, 1,1,2-	Trichlorobenzene, 1,2,4-	Trichloroethane, 1,1,1-	Trichloroethane, 1,1,2-	Trichloroethene
Trichlorofluoromethane	Trimethylbenzene, 1,2,3-	Trimethylbenzene, 1,2,4-	Trimethylbenzene, 1,3,5-	Trimethylpentane, 2,2,4-	Undecane, n-
Vinyl bromide	Vinyl chloride				

Appendix D
Soil Vapor Analytical Results
Operable Unit No.2
Bay Shore/Brightwaters Former MGP Site
OU2SG25 BTEX

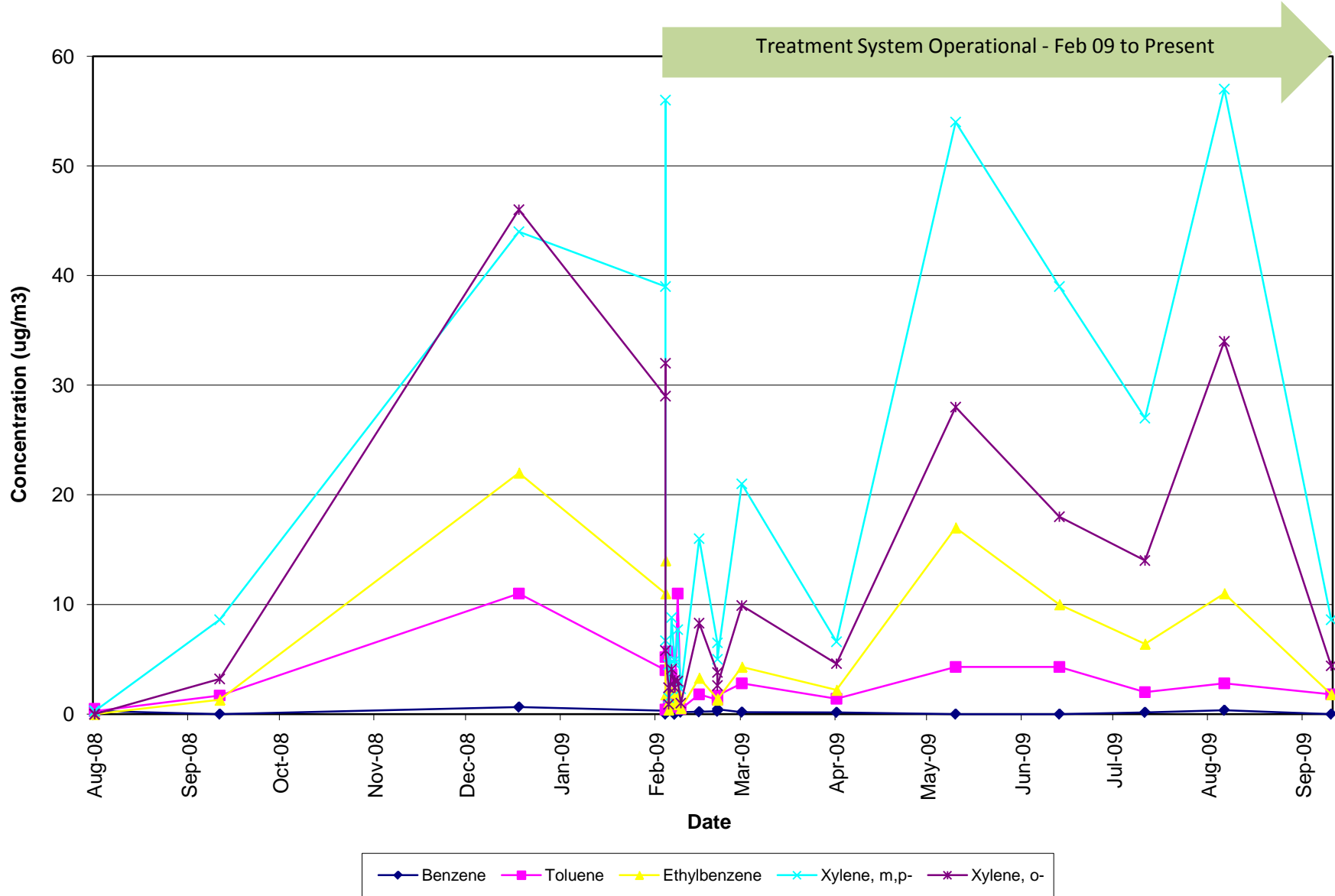


Appendix D
Soil Vapor Analytical Results
Operable Unit No.2
Bay Shore/Brightwaters Former MGP Site
OU2SG26

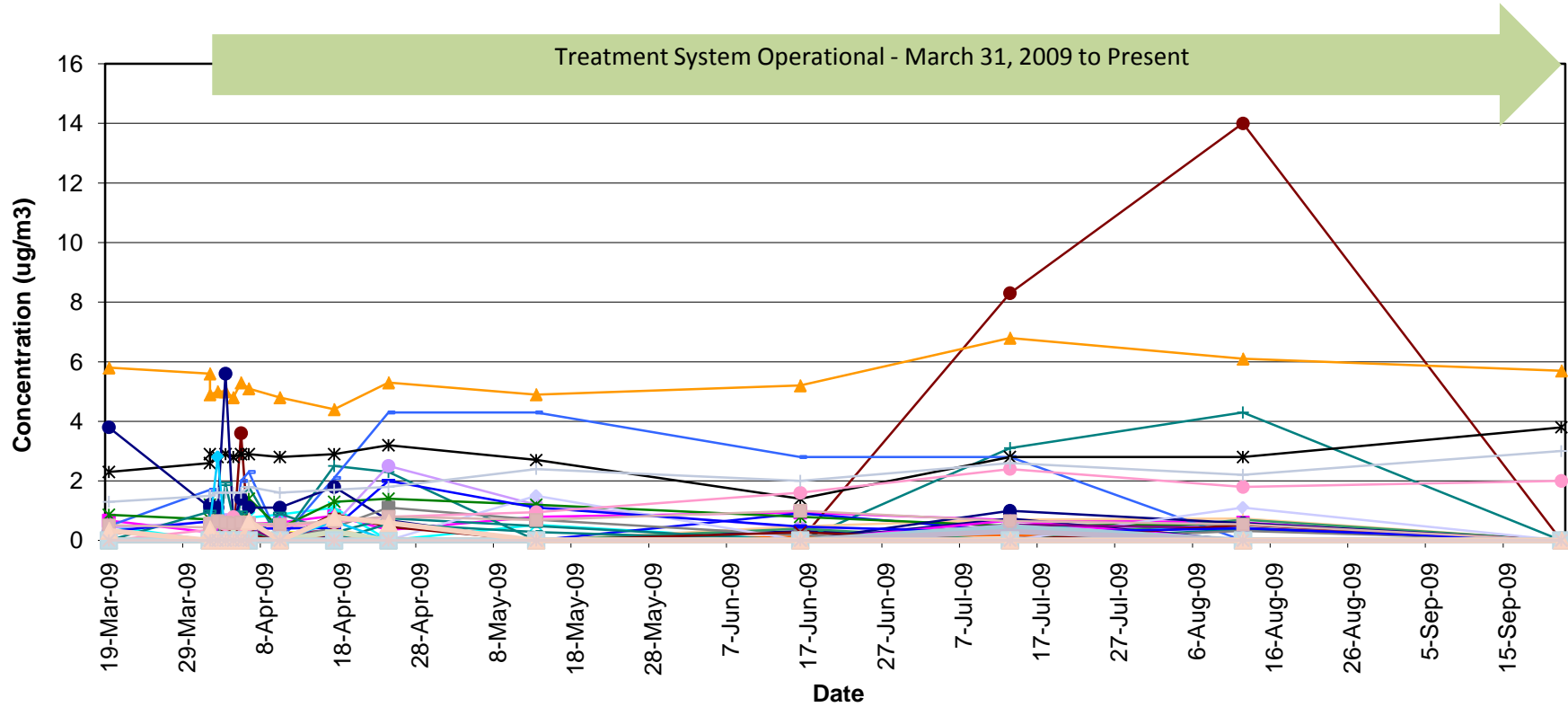


Benzene	Toluene	Ethylbenzene	Xylene, m,p-	Xylene, o-	Acetaldehyde
Acetone	Acrolein (propenal)	Allyl chloride	Benzothiophene	Bromodichloromethane	Bromoform
Bromomethane	Butadiene, 1,3-	Butane	Butanone, 2-	Carbon disulfide	Carbon tetrachloride
Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Chlorotoluene, 2-	Cryofluorane
Cyclohexane	Decane, n-	Dibromochloromethane	Dibromoethane, 1,2-	Dichlorobenzene, 1,2-	Dichlorobenzene, 1,3-
Dichlorobenzene, 1,4-	Dichlorodifluoromethane	Dichloroethane, 1,1-	Dichloroethane, 1,2-	Dichloroethene, 1,1-	Dichloroethene, cis-1,2-
Dichloropropane, 1,2-	Dichloropropene, cis-1,3	Dichloropropene, trans-1,3	Dioxane, 1,4-	Dodecane, n-	Ethanol
Ethylthiophene, 2-	Ethyltoluene, p-	Heptane, n-	Hexachlorobutadiene	Hexane, n-	Hexanone, 2-
Hydrogen sulfide	Indan	Indene	Isopropyl benzene	Methyl tert-butyl ether	Methyl-2-pentanone, 4-
Methylene chloride	Methylnaphthalene, 1-	Methylnaphthalene, 2-	Methylthiophene, 2-	Propanol, 2-	Naphthalene
Nonane	Octane, n-	Pentane	Propanol, 2-	Tetrahydrofuran	Styrene
t-Butyl alcohol	Tetrachloroethane, 1,1,2,2-	Tetrachloroethene	Tetrahydrofuran	Tetramethylbenzene, 1,2,4,5-	Thiophene
Trans-1,2-dichloroethene	Trichloro-1,2,2-trifluoroethane, 1,1,2-	Trichlorobenzene, 1,2,4-	Trichloroethane, 1,1,1-	Trichloroethane, 1,1,2-	Trichloroethene
Trichlorofluoromethane	Trimethylbenzene, 1,2,3-	Trimethylbenzene, 1,2,4-	Trimethylbenzene, 1,3,5-	Trimethylpentane, 2,2,4-	Undecane, n-
Vinyl bromide	Vinyl chloride				

Appendix D
 Soil Vapor Analytical Results
 Operable Unit No.2
 Bay Shore/Brightwaters Former MGP Site
OU2SG26 BTEX

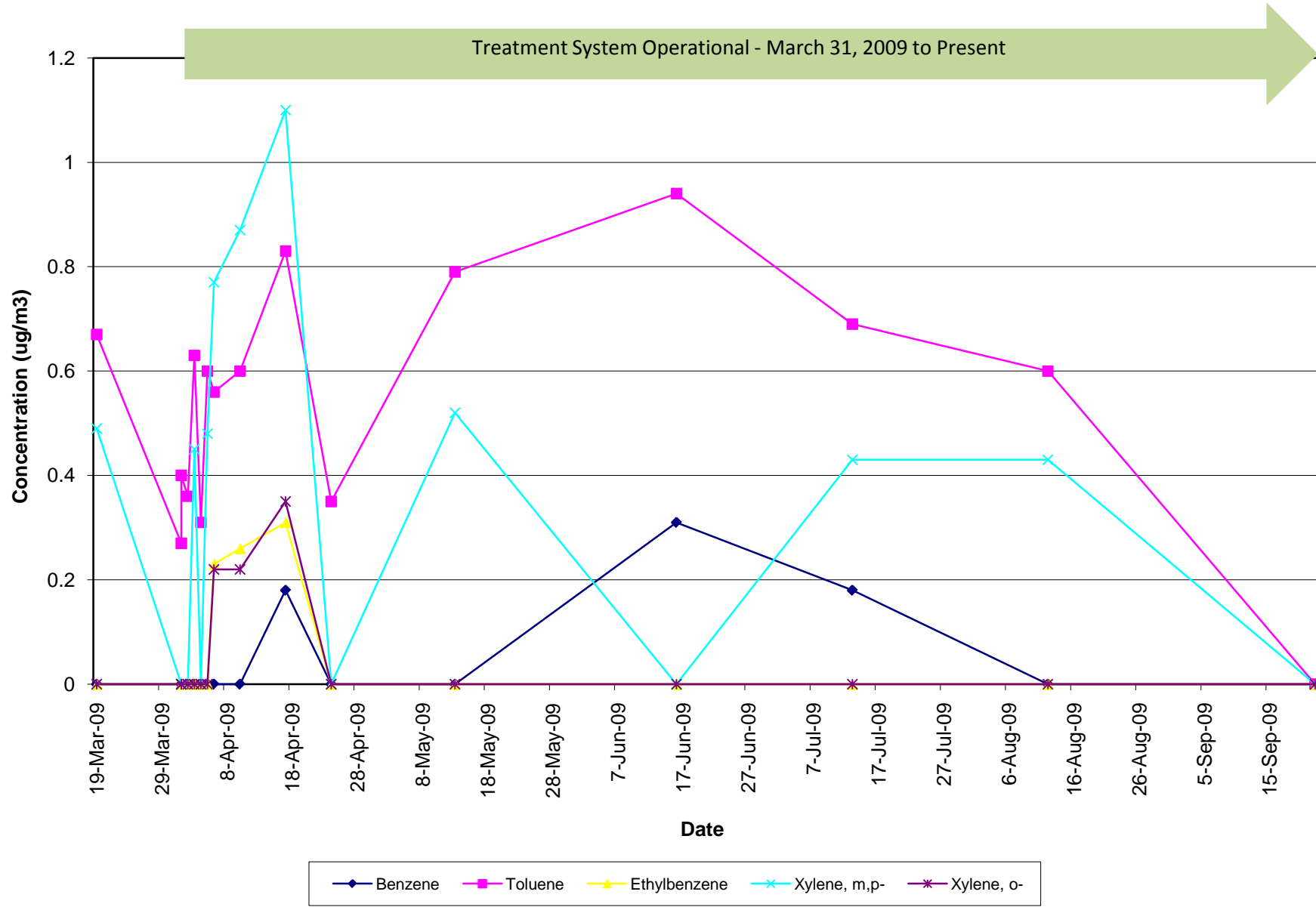


Appendix D
Soil Vapor Analytical Results
Operable Unit No.2
Bay Shore/Brightwaters Former MGP Site
OU2SG28

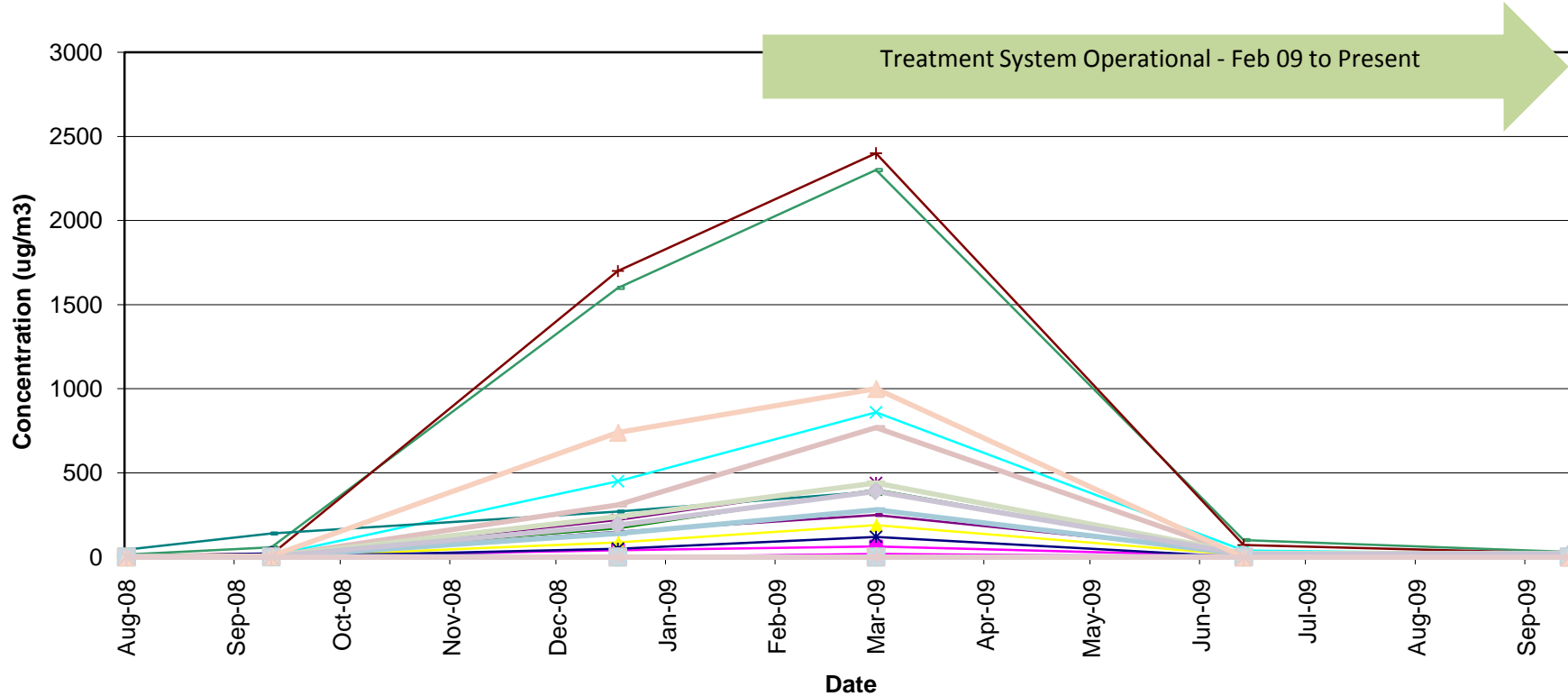


Benzene	Toluene	Ethylbenzene	Xylene, m,p-	Xylene, o-	Acetaldehyde
Acetone	Acrolein (propenal)	Allyl chloride	Benzo thiophene	Bromodichloromethane	Bromoform
Bromomethane	Butadiene, 1,3-	Butane	Butanone, 2-	Carbon disulfide	Carbon tetrachloride
Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Chlorotoluene, 2-	Cryofluorane
Cyclohexane	Decane, n-	Dibromochloromethane	Dibromoethane, 1,2-	Dichlorobenzene, 1,2-	Dichlorobenzene, 1,3-
Dichlorobenzene, 1,4-	Dichlorodifluoromethane	Dichloroethane, 1,1-	Dichloroethane, 1,2-	Dichloroethene, 1,1-	Dichloroethene, cis-1,2-
Dichloropropane, 1,2-	Dichloropropene, cis-1,3	Dichloropropene, trans-1,3	Dioxane, 1,4-	Dodecane, n-	Ethanol
Ethylthiophene, 2-	Ethyltoluene, p-	Heptane, n-	Hexachlorobutadiene	Hexane, n-	Hexanone, 2-
Hydrogen sulfide	Indan	Indene	Isopropyl benzene	Methyl tert-butyl ether	Methyl-2-pentanone, 4-
Methylene chloride	Methylnaphthalene, 1-	Methylnaphthalene, 2-	Methylthiophene, 2-	Methylthiophene, 3-	Naphthalene
Nonane	Octane, n-	Pentane	Propanol, 2-	Propylbenzene, n-	Styrene
t-Butyl alcohol	Tetrachloroethane, 1,1,2,2-	Tetrachloroethene	Tetrahydrofuran	Tetramethylbenzene, 1,2,4,5-	Thiophene
Trans-1,2-dichloroethene	Trichloro-1,2,2-trifluoroethane, 1,1,2-	Trichlorobenzene, 1,2,4-	Trichloroethane, 1,1,1-	Trichloroethane, 1,1,2-	Trichloroethene
Trichlorofluoromethane	Trimethylbenzene, 1,2,3-	Trimethylbenzene, 1,2,4-	Trimethylbenzene, 1,3,5-	Trimethylpentane, 2,2,4-	Undecane, n-
Vinyl bromide	Vinyl chloride				

Appendix D
 Soil Vapor Analytical Results
 Operable Unit No.2
 Bay Shore/Brightwaters Former MGP Site
OU2SG28 BTEX

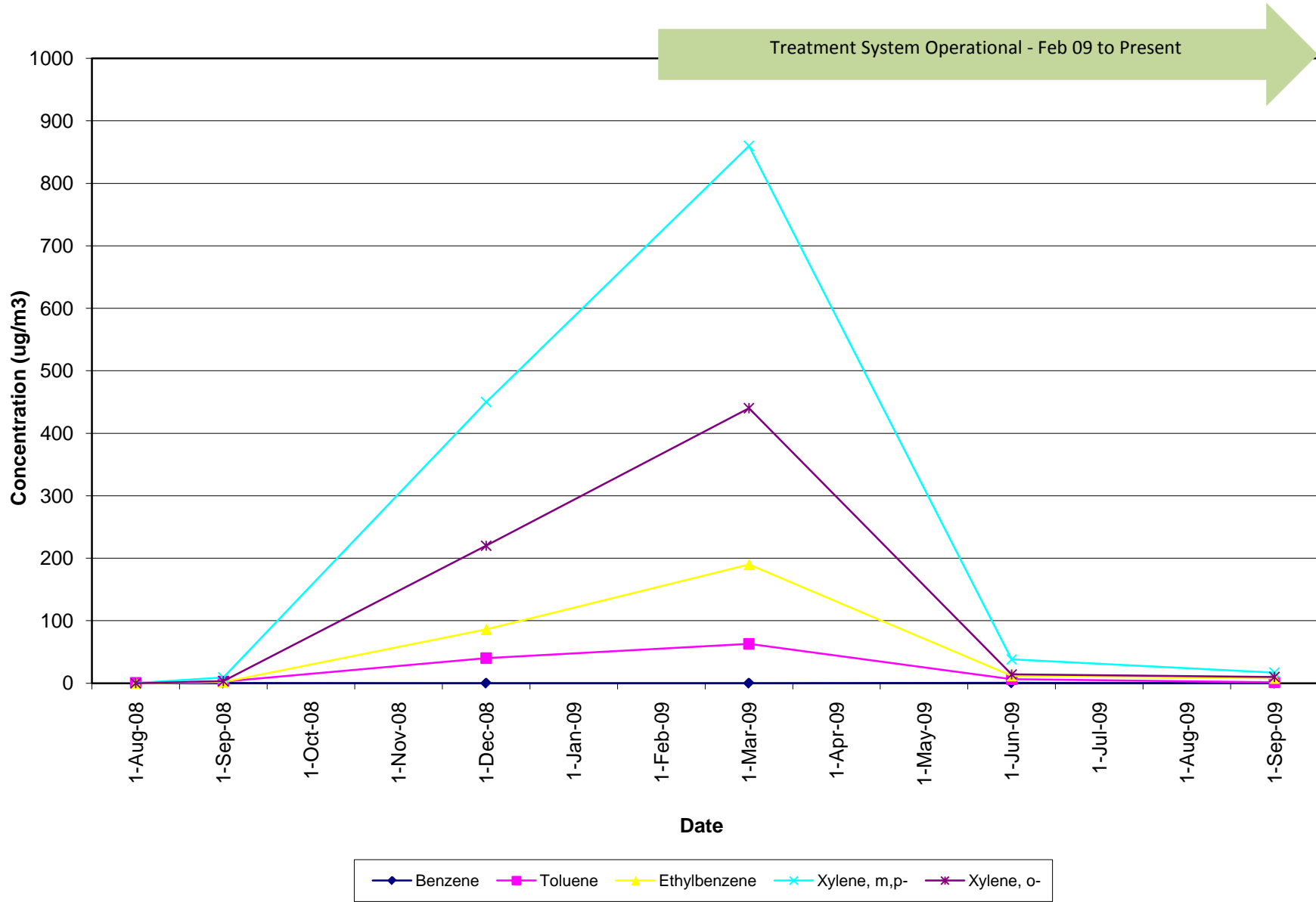


Appendix D
Soil Vapor Analytical Results
Operable Unit No.2
Bay Shore/Brightwaters Former MGP Site
OU2SG29

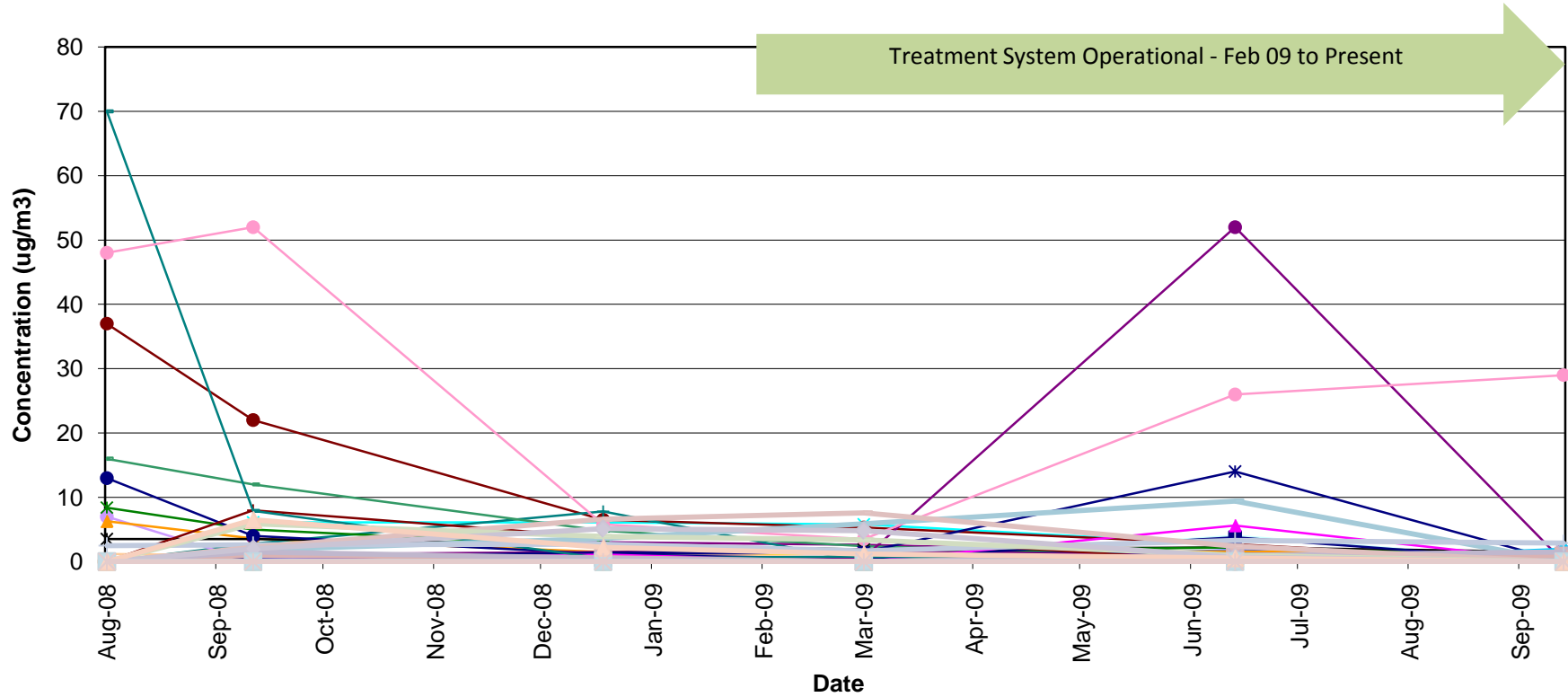


Benzene	Toluene	Ethylbenzene	Xylene, m,p-	Xylene, o-	Acetaldehyde
Acetone	Acrolein (propenal)	Allyl chloride	Benzothiophene	Bromodichloromethane	Bromoform
Bromomethane	Butadiene, 1,3-	Butane	Butanone, 2-	Carbon disulfide	Carbon tetrachloride
Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Chlorotoluene, 2-	Cryofluorane
Cyclohexane	Decane, n-	Dibromochloromethane	Dibromoethane, 1,2-	Dichlorobenzene, 1,2-	Dichlorobenzene, 1,3-
Dichlorobenzene, 1,4-	Dichlorodifluoromethane	Dichloroethane, 1,1-	Dichloroethane, 1,2-	Dichloroethene, 1,1-	Dichloroethene, cis-1,2-
Dichloropropane, 1,2-	Dichloropropene, cis-1,3	Dichloropropene, trans-1,3	Dioxane, 1,4-	Dodecane, n-	Ethanol
Ethylthiophene, 2-	Ethyltoluene, p-	Heptane, n-	Hexachlorobutadiene	Hexane, n-	Hexanone, 2-
Hydrogen sulfide	Indan	Indene	Isopropyl benzene	Methyl tert-butyl ether	Methyl-2-pentanone, 4-
Methylene chloride	Methylnaphthalene, 1-	Methylnaphthalene, 2-	Methylthiophene, 2-	Methylthiophene, 3-	Naphthalene
Nonane	Octane, n-	Pentane	Propanol, 2-	Propylbenzene, n-	Styrene
t-Butyl alcohol	Tetrachloroethane, 1,1,2,2-	Tetrachloroethene	Tetrahydrofuran	Tetramethylbenzene, 1,2,4,5-	Thiophene
Trans-1,2-dichloroethene	Trichloro-1,2,2-trifluoroethane, 1,1,2-	Trichlorobenzene, 1,2,4-	Trichloroethane, 1,1,1-	Trichloroethane, 1,1,2-	Trichloroethene
Trichlorofluoromethane	Trimethylbenzene, 1,2,3-	Trimethylbenzene, 1,2,4-	Trimethylbenzene, 1,3,5-	Trimethylpentane, 2,2,4-	Undecane, n-
Vinyl bromide	Vinyl chloride				

Appendix D
 Soil Vapor Analytical Results
 Operable Unit No.2
 Bay Shore/Brightwaters Former MGP Site
OU2SG29 BTEX

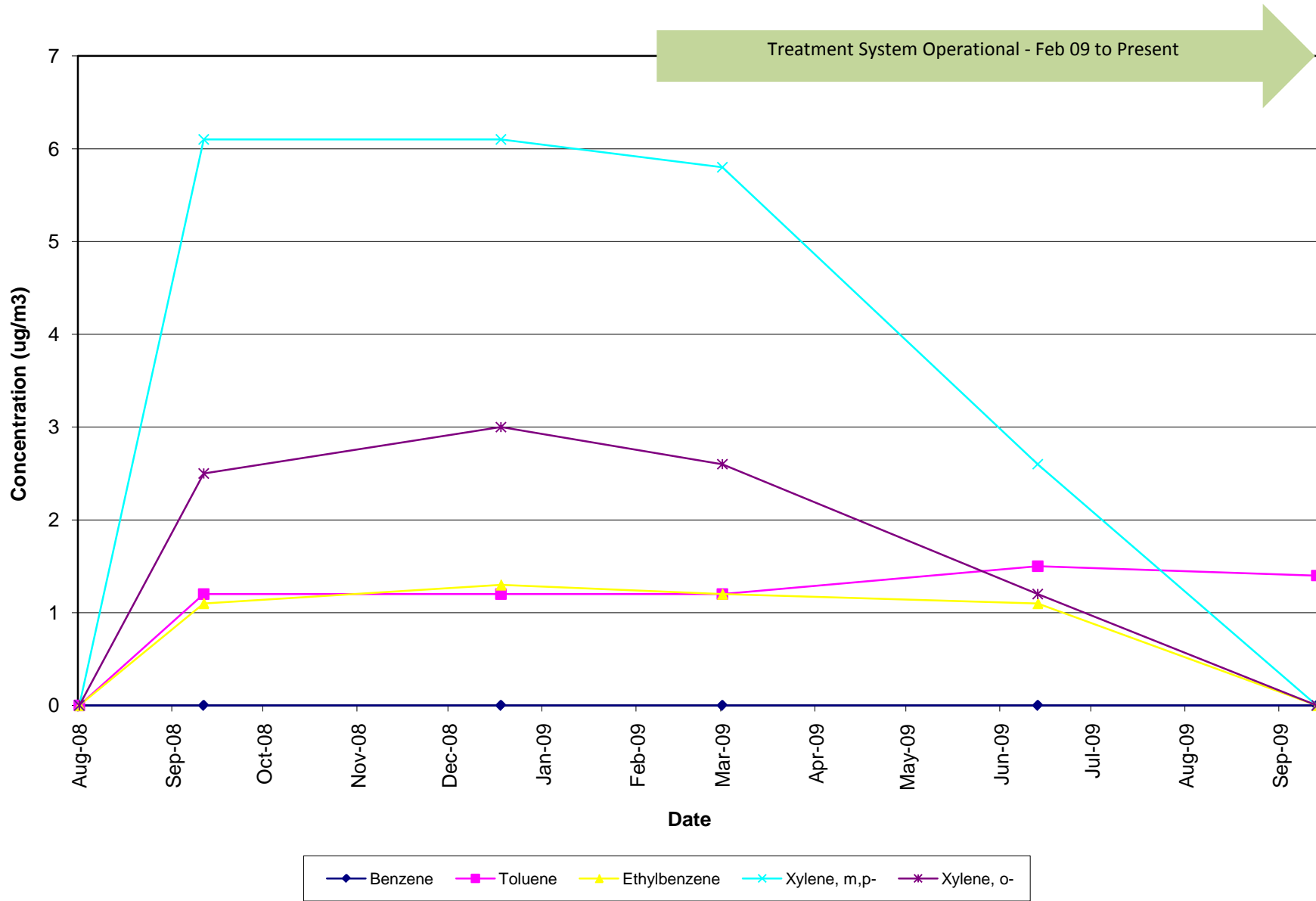


Appendix D
 Soil Vapor Analytical Results
 Operable Unit No.2
 Bay Shore/Brightwaters Former MGP Site
OU2SG30

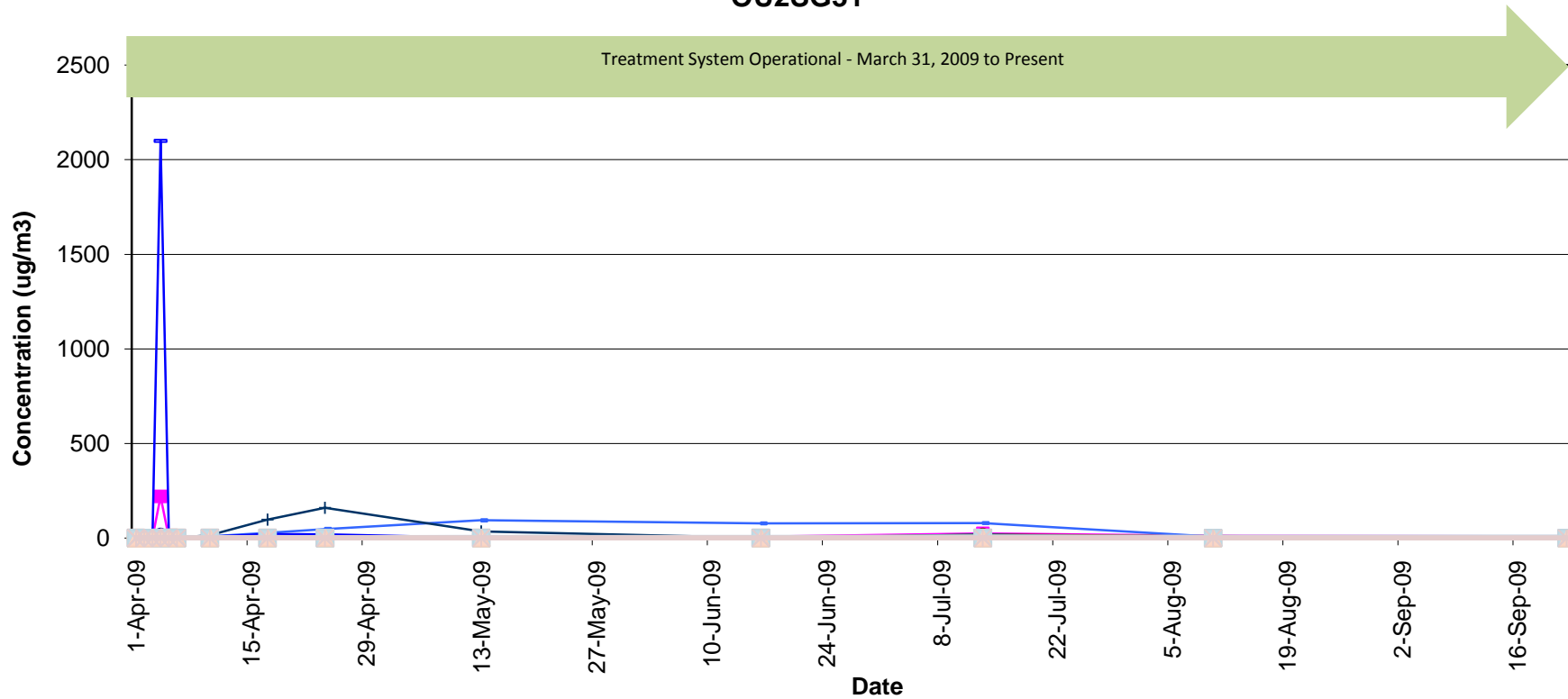


Benzene	Toluene	Ethylbenzene	Xylene, m,p-	Xylene, o-	Acetaldehyde
Acetone	Acrolein (propenal)	Allyl chloride	Benzothiophene	Bromodichloromethane	Bromoform
Bromomethane	Butadiene, 1,3-	Butane	Butanone, 2-	Carbon disulfide	Carbon tetrachloride
Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Chlorotoluene, 2-	Cryofluorane
Cyclohexane	Decane, n-	Dibromochloromethane	Dibromoethane, 1,2-	Dichloroethane, 1,2-	Dichlorobenzene, 1,3-
Dichlorobenzene, 1,4-	Dichlorodifluoromethane	Dichloroethane, 1,1-	Dichloroethane, 1,2-	Dichloroethene, 1,1-	Dichloroethene, cis-1,2-
Dichloropropane, 1,2-	Dichloropropene, cis-1,3	Dichloropropene, trans-1,3	Dioxane, 1,4-	Dodecane, n-	Ethanol
Ethylthiophene, 2-	Ethyltoluene, p-	Heptane, n-	Hexachlorobutadiene	Hexane, n-	Hexanone, 2-
Hydrogen sulfide	Indan	Indene	Isopropyl benzene	Methyl tert-butyl ether	Methyl-2-pentanone, 4-
Methylene chloride	Methylnaphthalene, 1-	Methylnaphthalene, 2-	Methylthiophene, 2-	Methylthiophene, 3-	Naphthalene
Nonane	Octane, n-	Pentane	Propanol, 2-	Propylbenzene, n-	Styrene
t-Butyl alcohol	Tetrachloroethane, 1,1,2,2-	Tetrachloroethene	Tetrahydrofuran	Tetramethylbenzene, 1,2,4,5-	Thiophene
Trans-1,2-dichloroethene	Trichloro-1,2,2-trifluoroethane, 1,1,2-	Trichlorobenzene, 1,2,4-	Trichloroethane, 1,1,1-	Trichloroethane, 1,1,2-	Trichloroethene
Trichlorofluoromethane	Trimethylbenzene, 1,2,3-	Trimethylbenzene, 1,2,4-	Trimethylbenzene, 1,3,5-	Trimethylpentane, 2,2,4-	Undecane, n-
Vinyl bromide	Vinyl chloride				

Appendix D
Soil Vapor Analytical Results
Operable Unit No.2
Bay Shore/Brightwaters Former MGP Site
OU2SG30 BTEX

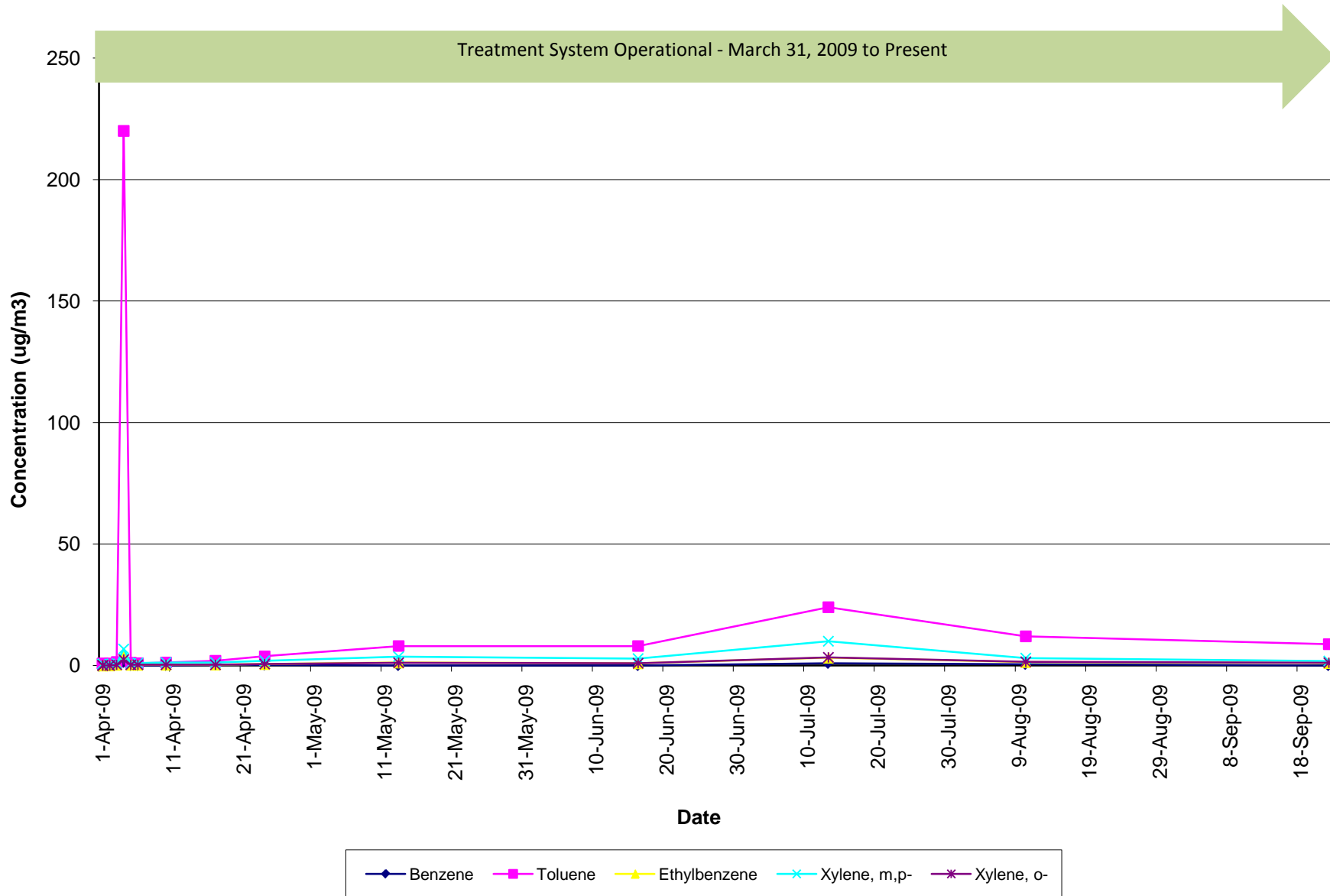


Appendix D
 Soil Vapor Analytical Results
 Operable Unit No.2
 Bay Shore/Brightwaters Former MGP Site
OU2SG31

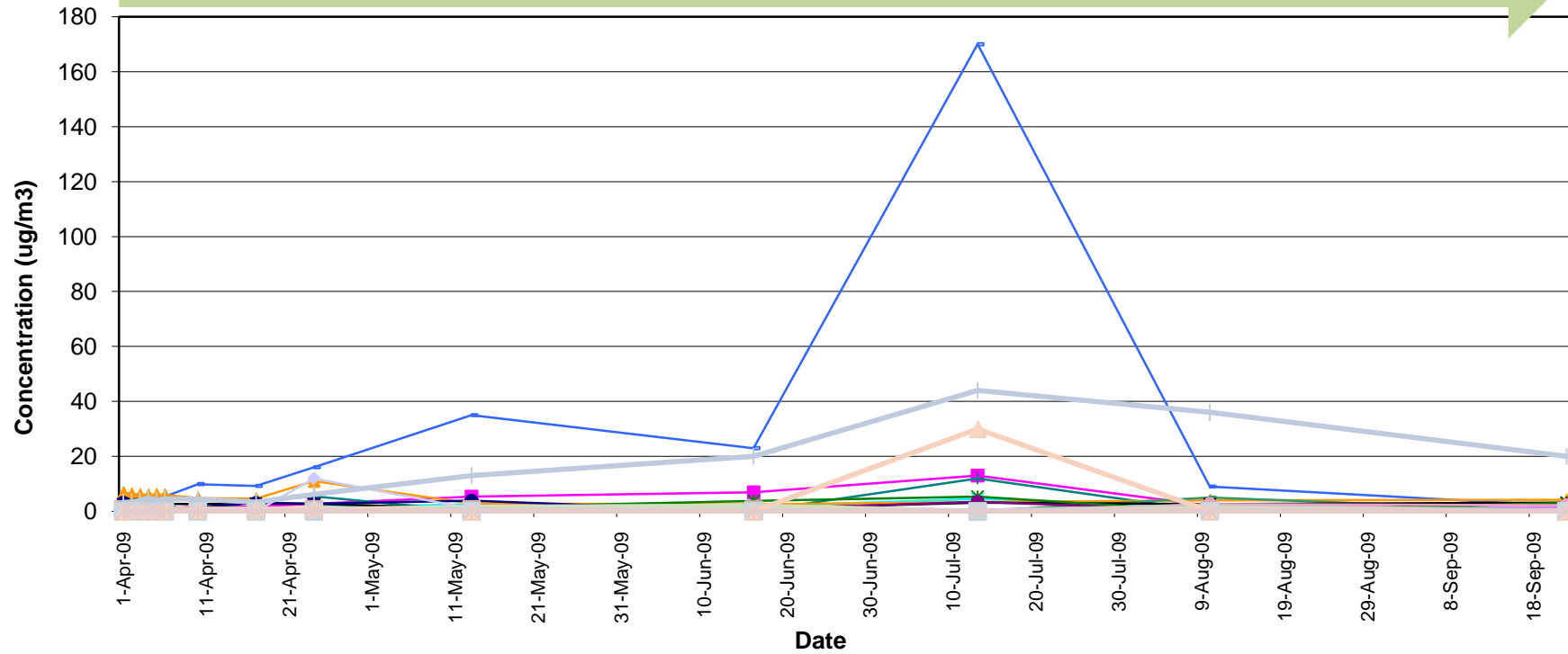


Benzene	Toluene	Ethylbenzene	Xylene, m,p-	Xylene, o-	Acetaldehyde
Acetone	Acrolein (propenal)	Allyl chloride	Benzothiophene	Bromodichloromethane	Bromoform
Bromomethane	Butadiene, 1,3-	Butane	Butanone, 2-	Carbon disulfide	Carbon tetrachloride
Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Chlorotoluene, 2-	Cryofluorane
Cyclohexane	Decane, n-	Dibromochloromethane	Dibromoethane, 1,2-	Dichlorobenzene, 1,2-	Dichlorobenzene, 1,3-
Dichlorobenzene, 1,4-	Dichlorodifluoromethane	Dichloroethane, 1,1-	Dichloroethane, 1,2-	Dichloroethene, 1,1-	Dichloroethene, cis-1,2-
Dichloropropane, 1,2-	Dichloropropene, cis-1,3	Dichloropropene, trans-1,3	Dioxane, 1,4-	Dodecane, n-	Ethanol
Ethylthiophene, 2-	Ethyltoluene, p-	Heptane, n-	Hexachlorobutadiene	Hexane, n-	Hexanone, 2-
Hydrogen sulfide	Indan	Indene	Isopropyl benzene	Methyl tert-butyl ether	Methyl-2-pentanone, 4-
Methylene chloride	Methylnaphthalene, 1-	Methylnaphthalene, 2-	Methylthiophene, 2-	Methylthiophene, 3-	Naphthalene
Nonane	Octane, n-	Pentane	Propanol, 2-	Propylbenzene, n-	Styrene
t-Butyl alcohol	Tetrachloroethane, 1,1,2,2-	Tetrachloroethene	Tetrahydrofuran	Tetramethylbenzene, 1,2,4,5-	Thiophene
Trans-1,2-dichloroethene	Trichloro-1,2,2-trifluoroethane, 1,1,2-	Trichlorobenzene, 1,2,4-	Trichloroethane, 1,1,1-	Trichloroethane, 1,1,2-	Trichloroethene
Trichlorofluoromethane	Trimethylbenzene, 1,2,3-	Trimethylbenzene, 1,2,4-	Trimethylbenzene, 1,3,5-	Trimethylpentane, 2,2,4-	Undecane, n-
Vinyl bromide	Vinyl chloride				

Appendix D
Soil Vapor Analytical Results
Operable Unit No.2
Bay Shore/Brightwaters Former MGP Site
OU2SG31 BTEX

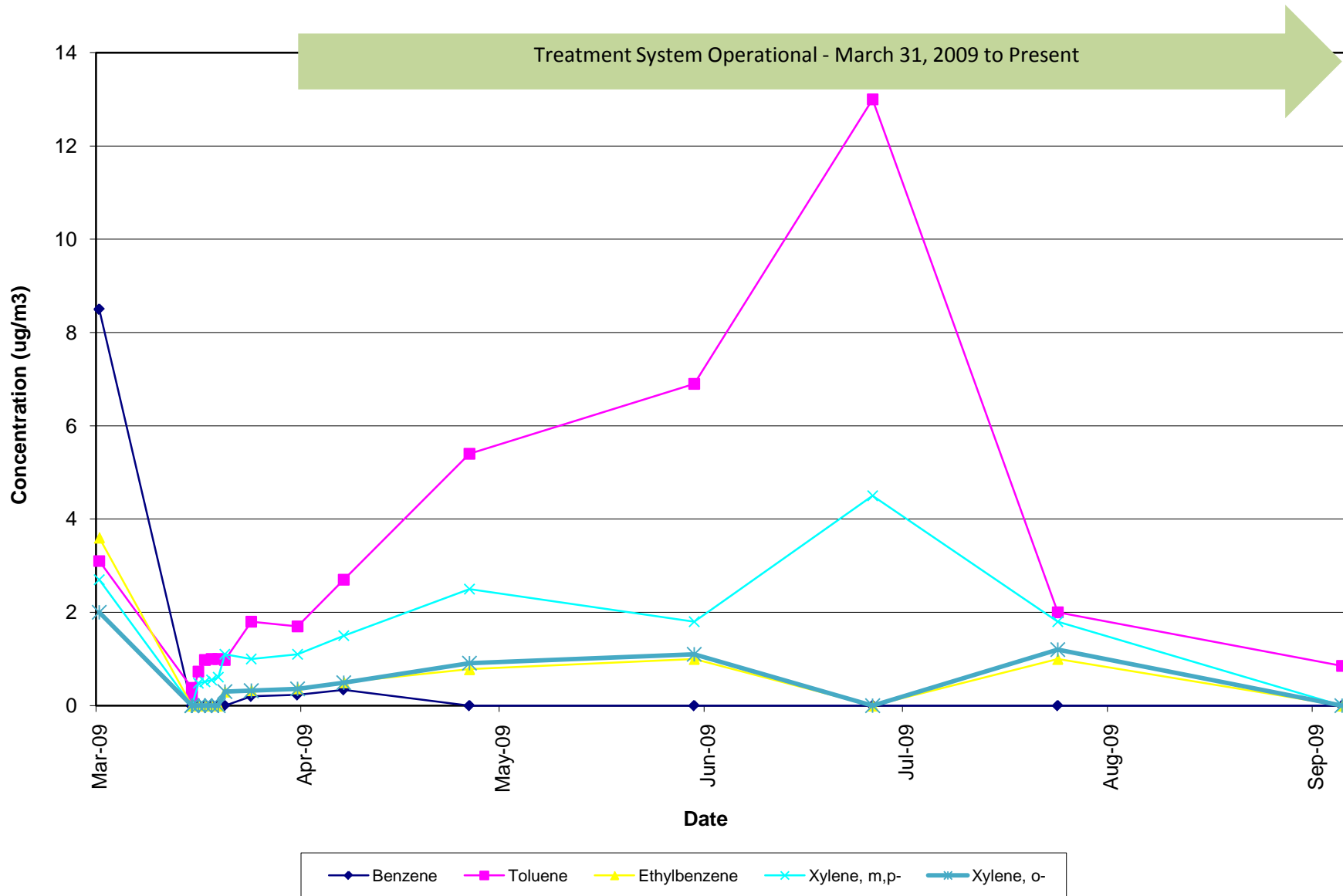


Appendix D
Soil Vapor Analytical Results
Operable Unit No.2
Bay Shore/Brightwaters Former MGP Site
Treatment System Operational - March 31, 2009 to Present

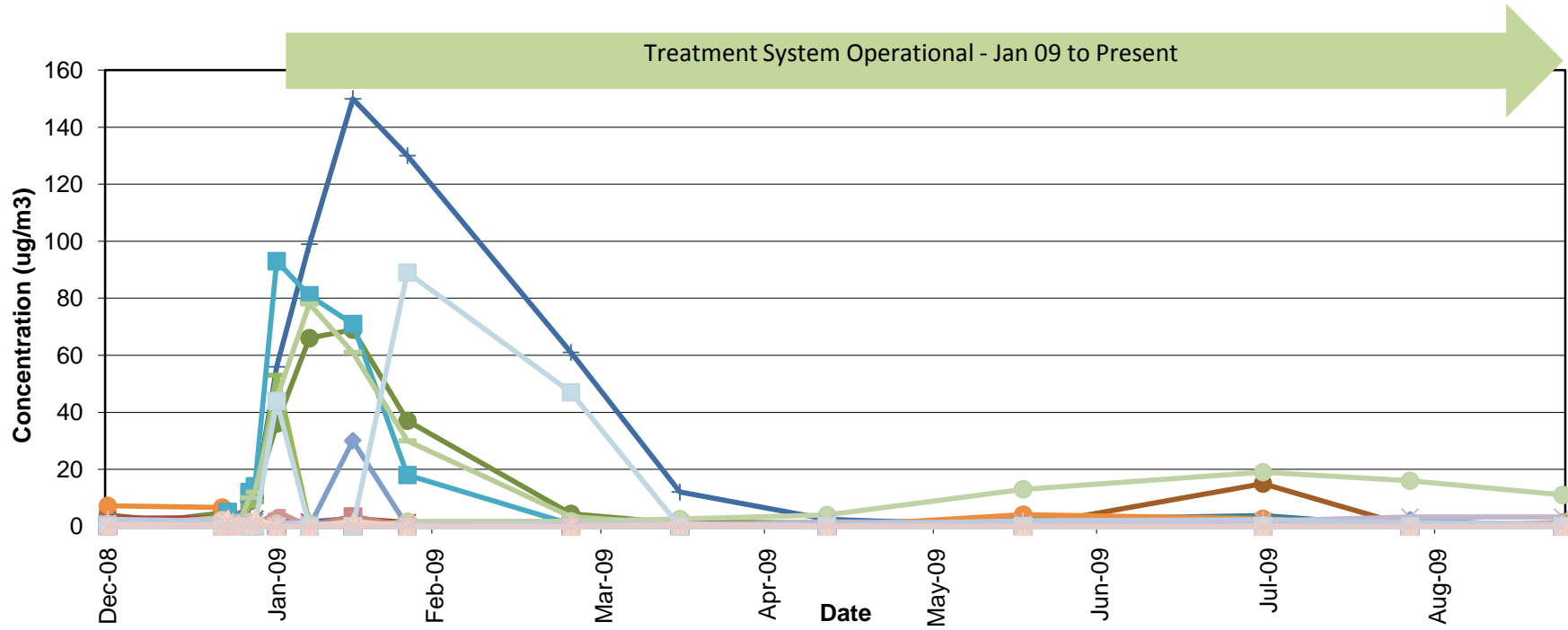


— Benzene 8.5	— Toluene 3.1	— Ethylbenzene 3.6	— Xylene, m,p- 2.7	— Xylene, o- 2
— Acetaldehyde	— Acetone	— Acrolein (propenal)	— Allyl chloride	— Benzothiophene
— Bromodichloromethane	— Bromoform	— Bromomethane	— Butadiene, 1,3- 0.26	— Butane 61
— Butanone, 2- 3.2	— Carbon disulfide 8.5	— Carbon tetrachloride	— Chlorobenzene	— Chloroethane
— Chloroform 44	— Chloromethane 0.53	— Chlorotoluene, 2-	— Cryofluorane	— Cyclohexane 5.6
— Decane, n- 29	— Dibromochloromethane	— Dibromoethane, 1,2-	— Dichlorobenzene, 1,2-	— Dichlorobenzene, 1,3-
— Dichlorobenzene, 1,4-	— Dichlorodifluoromethane 2.9	— Dichloroethane, 1,1-	— Dichloroethane, 1,2-	— Dichloroethene, 1,1-
— Dichloroethene, cis-1,2- 1.2	— Dichloropropane, 1,2-	— Dichloropropene, cis-1,3	— Dichloropropene, trans-1,3	— Dioxane, 1,4-
— Dodecane, n- 6	— Ethanol 6.6	— Ethylthiophene, 2-	— Ethyltoluene, p- 2.4	— Heptane, n- 8.1
— Hexachlorobutadiene	— Hexane, n- 12	— Hexanone, 2-	— Hydrogen sulfide NA	— Indan 3.2
— Indene	— Isopropyl benzene NA	— Methyl tert-butyl ether	— Methyl-2-pentanone, 4-	— Methylene chloride
— Methylnaphthalene, 1-	— Methylnaphthalene, 2-	— Methylthiophene, 2-	— Methylthiophene, 3-	— Naphthalene
— Nonane 10	— Octane, n- 29	— Pentane 44	— Propanol, 2-	— Propylbenzene, n- NA
— Styrene 0.9	— t-Butyl alcohol 0.45	— Tetrachloroethane, 1,1,2,2-	— Tetrachloroethene 0.62	— Tetrahydrofuran NA
— Tetramethylbenzene, 1,2,4,5- 24	— Thiophene	— Trans-1,2-dichloroethene	— Trichloro-1,2,2-trifluoroethane, 1,1,2- 0.54	— Trichlorobenzene, 1,2,4-
— Trichloroethane, 1,1,1-	— Trichloroethane, 1,1,2-	— Trichloroethene 0.54	— Trichlorofluoromethane 2.9	— Trimethylbenzene, 1,2,3- 2
— Trimethylbenzene, 1,2,4- 15	— Trimethylbenzene, 1,3,5- 13	— Trimethylpentane, 2,2,4-	— Undecane, n- 9.7	— Vinyl bromide
— Vinyl chloride				

Appendix D
Soil Vapor Analytical Results
Operable Unit No.2
Bay Shore/Brightwaters Former MGP Site
OU2SG32 BTEX

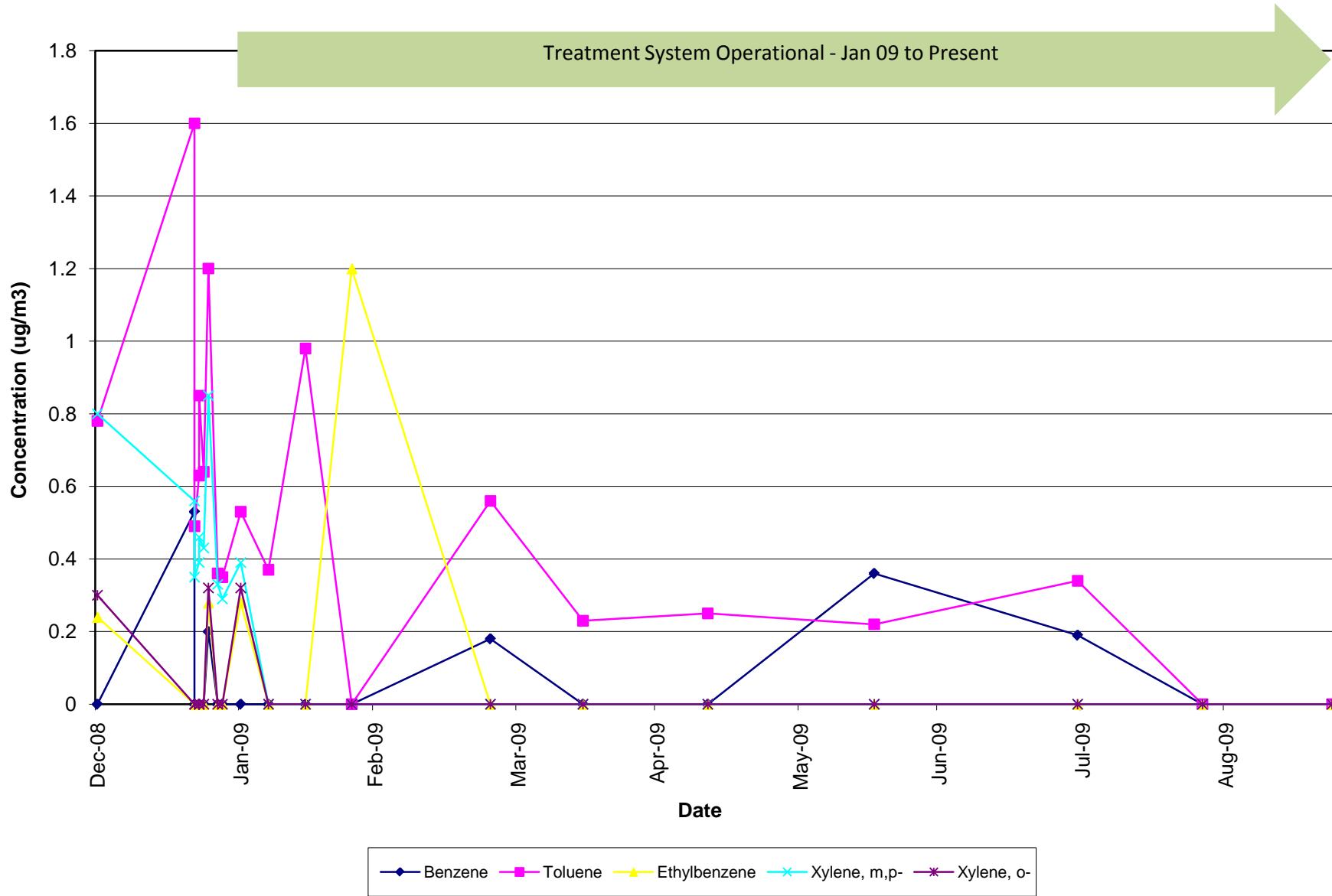


Appendix D
Soil Vapor Analytical Results
Operable Unit No.2
Bay Shore/Brightwaters Former MGP Site
OU2SG38

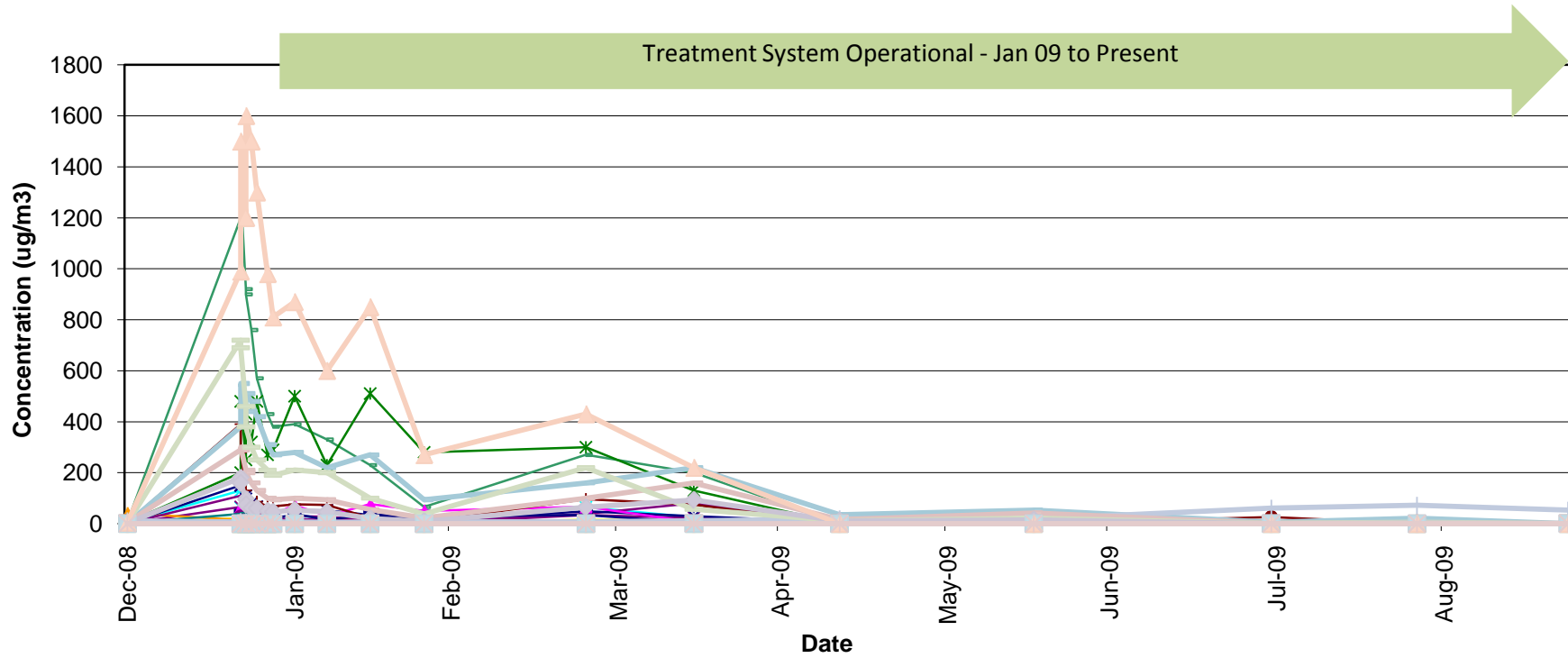


● Benzene	● Toluene	● Ethylbenzene	● Xylene, m,p-	● Xylene, o-
● Acetaldehyde	● Acetone	● Acrolein (propenal)	● Allyl chloride	● Benzothiophene
● Bromodichloromethane	● Bromoform	● Bromomethane	● Butadiene, 1,3-	● Butane
● Butanone, 2-	● Carbon disulfide	● Carbon tetrachloride	● Chlorobenzene	● Chloroethane
● Chloroform	● Chloromethane	● Chlorotoluene, 2-	● Cryofluorane	● Cyclohexane
● Decane, n-	● Dibromochloromethane	● Dibromoethane, 1,2-	● Dichlorobenzene, 1,2-	● Dichlorobenzene, 1,3-
● Dichlorobenzene, 1,4-	● Dichlorodifluoromethane	● Dichloroethane, 1,1-	● Dichloroethane, 1,2-	● Dichloroethene, 1,1-
● Dichloroethene, cis-1,2-	● Dichloropropane, 1,2-	● Dichloropropene, cis-1,3	● Dichloropropene, trans-1,3	● Dioxane, 1,4-
● Dodecane, n-	● Ethanol	● Ethylthiophene, 2-	● Ethyltoluene, p-	● Heptane, n-
● Hexachlorobutadiene	● Hexane, n-	● Hexanone, 2-	● Hydrogen sulfide	● Indan
● Indene	● Isopropyl benzene	● Methyl tert-butyl ether	● Methyl-2-pentanone, 4-	● Methylene chloride
● Methylnaphthalene, 1-	● Methylnaphthalene, 2-	● Methylthiophene, 2-	● Methylthiophene, 3-	● Naphthalene
● Nonane	● Octane, n-	● Pentane	● Propanol, 2-	● Propylbenzene, n-
● Styrene	● t-Butyl alcohol	● Tetrachloroethane, 1,1,2,2-	● Tetrachloroethene	● Tetrahydrofuran
● Tetramethylbenzene, 1,2,4,5-	● Thiophene	● Trans-1,2-dichloroethene	● Trichloro-1,2,2-trifluoroethane, 1,1,2-	● Trichlorobenzene, 1,2,4-
● Trichloroethane, 1,1,1-	● Trichloroethane, 1,1,2-	● Trichloroethene	● Trichlorofluoromethane	● Trimethylbenzene, 1,2,3-
● Trimethylbenzene, 1,2,4-	● Trimethylbenzene, 1,3,5-	● Trimethylpentane, 2,2,4-	● Undecane, n-	● Vinyl bromide
● Vinyl chloride				

Appendix D
Soil Vapor Analytical Results
Operable Unit No.2
Bay Shore/Brightwaters Former MGP Site
OU2SG38 BTEX

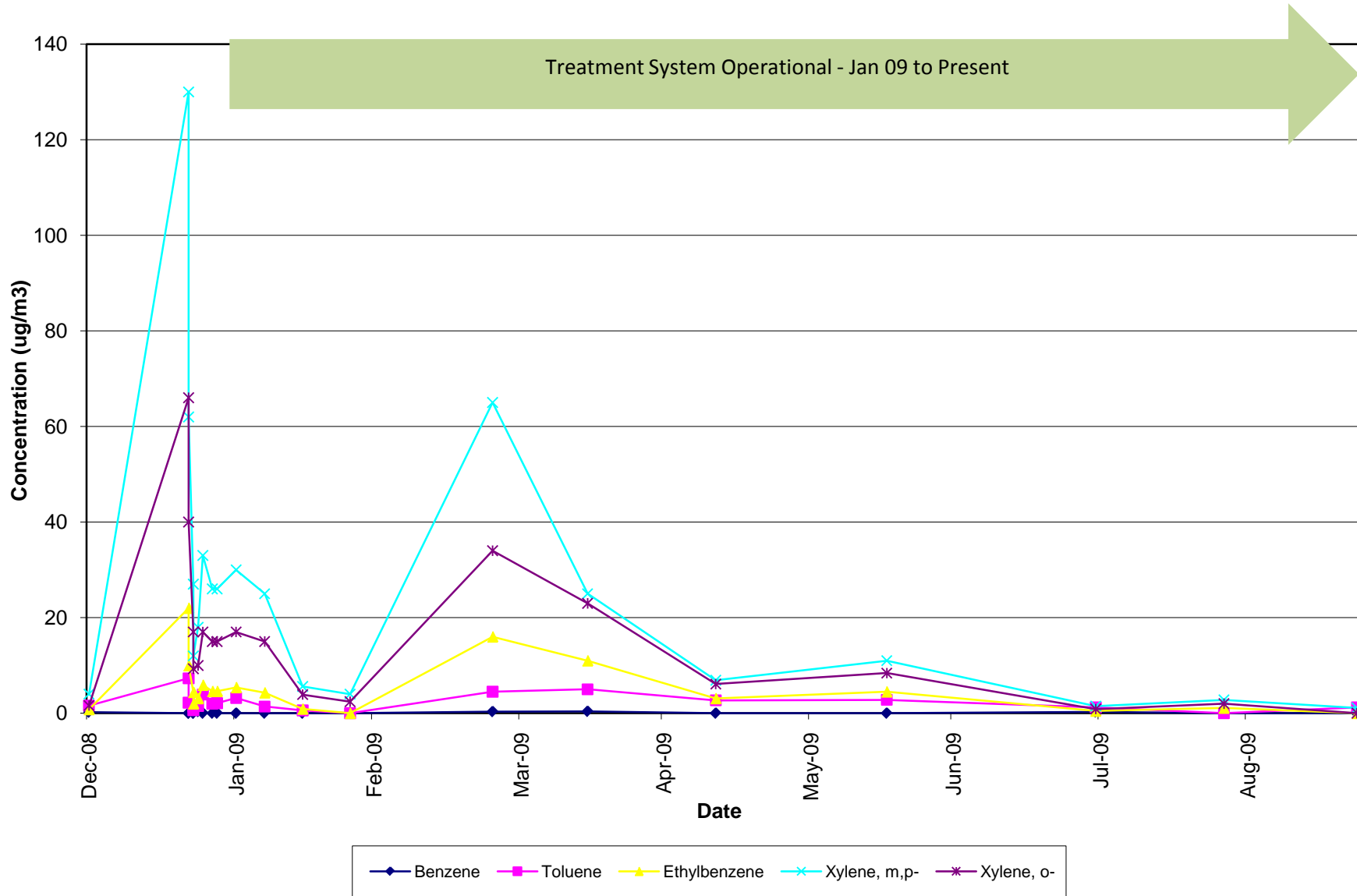


Appendix D
Soil Vapor Analytical Results
Operable Unit No.2
Bay Shore/Brightwaters Former MGP Site
OU2SG39

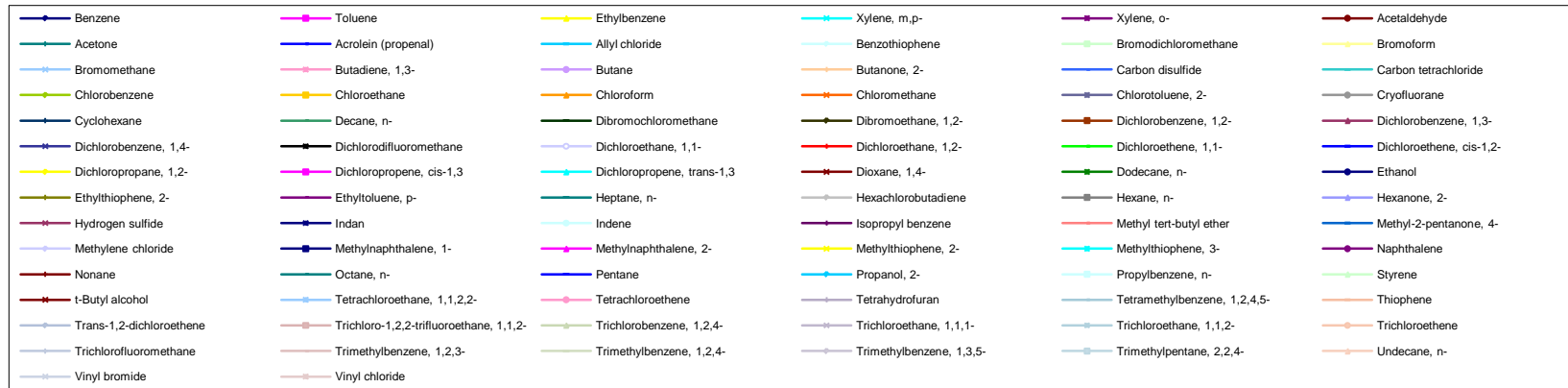
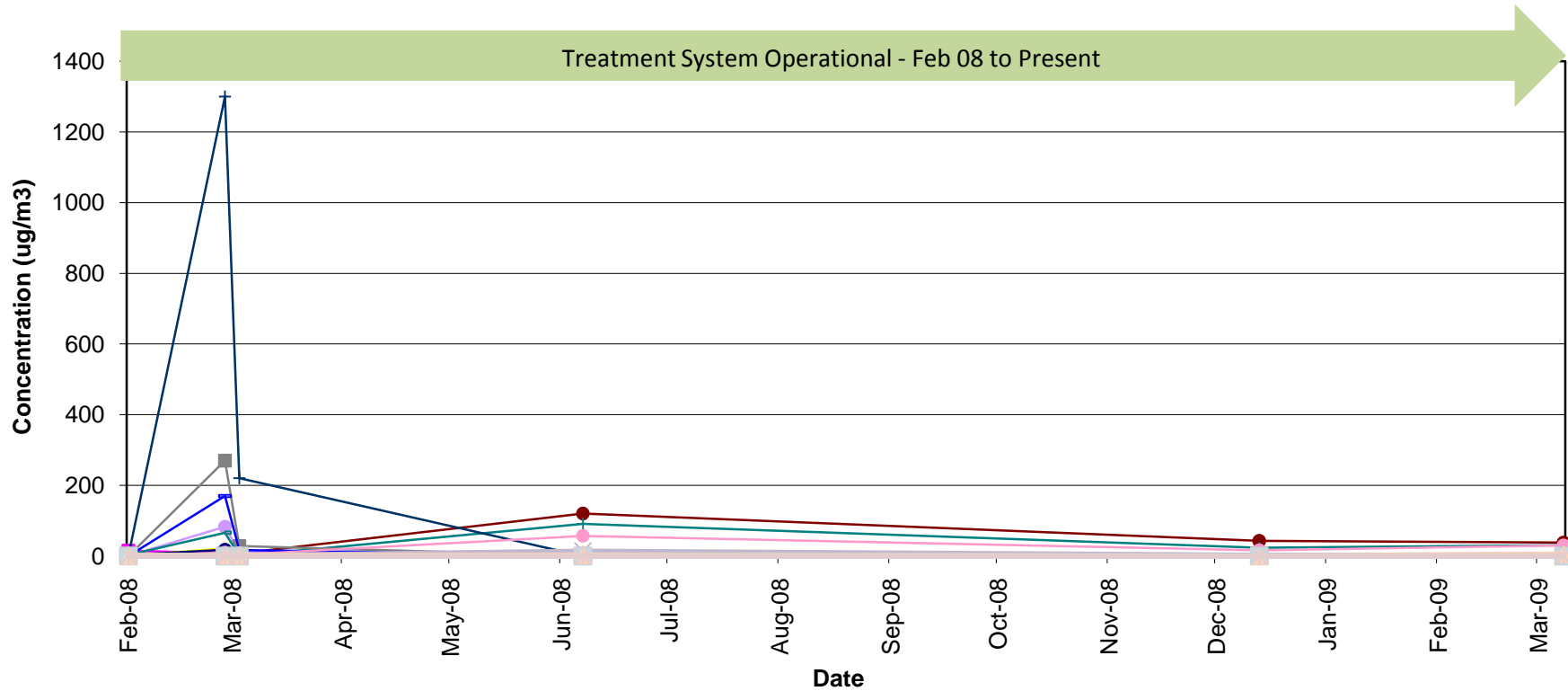


Benzene	Toluene	Ethylbenzene	Xylene, m,p-	Xylene, o-
Acetaldehyde	Acetone	Acrolein (propenal)	Allyl chloride	Benzothiophene
Bromodichloromethane	Bromoform	Bromomethane	Butadiene, 1,3-	Butane
Butanone, 2-	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane
Chloroform	Chloromethane	Chlorotoluene, 2-	Cryofluorane	Cyclohexane
Decane, n-	Dibromochloromethane	Dibromoethane, 1,2-	Dichlorobenzene, 1,2-	Dichlorobenzene, 1,3-
Dichlorobenzene, 1,4-	Dichlorodifluoromethane	Dichloroethane, 1,1-	Dichloroethane, 1,2-	Dichloroethene, 1,1-
Dichloroethene, cis-1,2-	Dichloropropane, 1,2-	Dichloropropene, cis-1,3	Dichloropropene, trans-1,3	Dioxane, 1,4-
Dodecane, n-	Ethanol	Ethylthiophene, 2-	Ethyltoluene, p-	Heptane, n-
Hexachlorobutadiene	Hexane, n-	Hexanone, 2-	Hydrogen sulfide	Indan
Indene	Isopropyl benzene	Methyl tert-butyl ether	Methyl-2-pentanone, 4-	Methylene chloride
Methylnaphthalene, 1-	Methylnaphthalene, 2-	Methylthiophene, 2-	Methylthiophene, 3-	Naphthalene
Nonane	Octane, n-	Pentane	Propanol, 2-	Propylbenzene, n-
Styrene	t-Butyl alcohol	Tetrachloroethane, 1,1,2,2-	Tetrachloroethene	Tetrahydrofuran
Tetramethylbenzene, 1,2,4,5-	Thiophene	Trans-1,2-dichloroethene	Trichloro-1,2,2-trifluoroethane, 1,1,2-	Trichlorobenzene, 1,2,4-
Trichloroethane, 1,1,1-	Trichloroethane, 1,1,2-	Trichloroethene	Trichlorofluoromethane	Trimethylbenzene, 1,2,3-
Trimethylbenzene, 1,2,4-	Trimethylbenzene, 1,3,5-	Trimethylpentane, 2,2,4-	Undecane, n-	Vinyl bromide
Vinyl chloride				

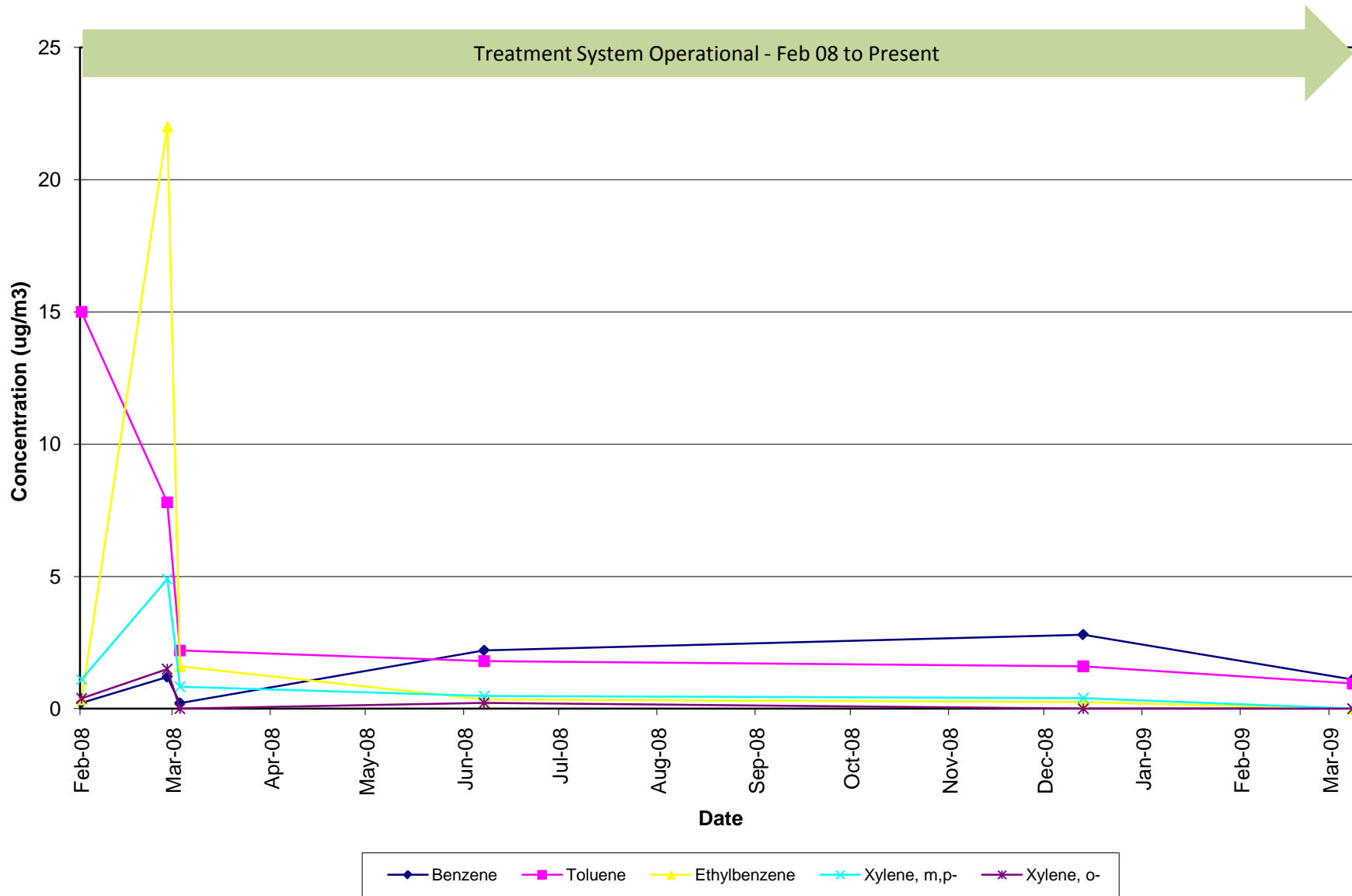
Appendix D
 Soil Vapor Analytical Results
 Operable Unit No.2
 Bay Shore/Brightwaters Former MGP Site
OU2SG39 BTEX



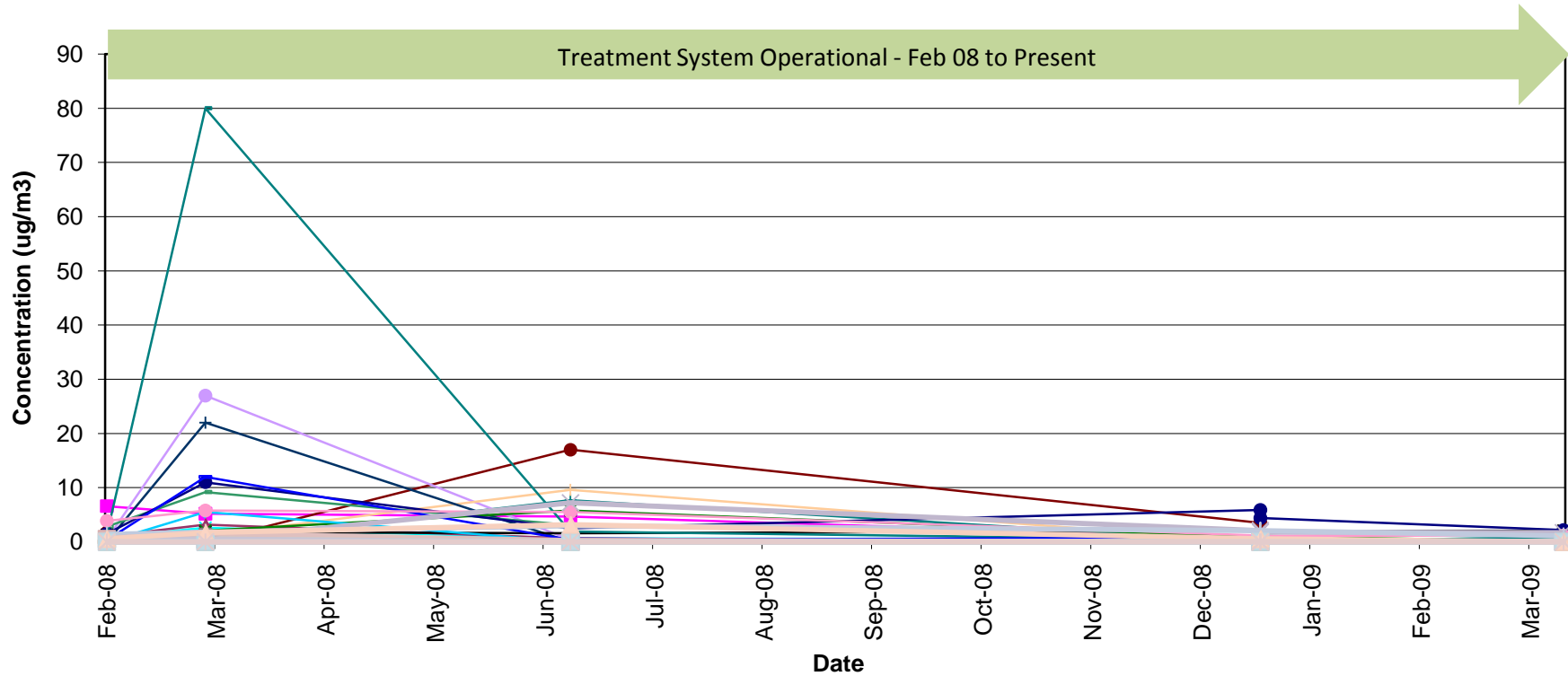
Appendix D
Soil Vapor Analytical Results
Operable Unit No.1
Bay Shore/Brightwaters Former MGP Site
OZSG01



Appendix D
Soil Vapor Analytical Results
Operable Unit No.1
Bay Shore/Brightwaters Former MGP Site
OZSG01 BTEX

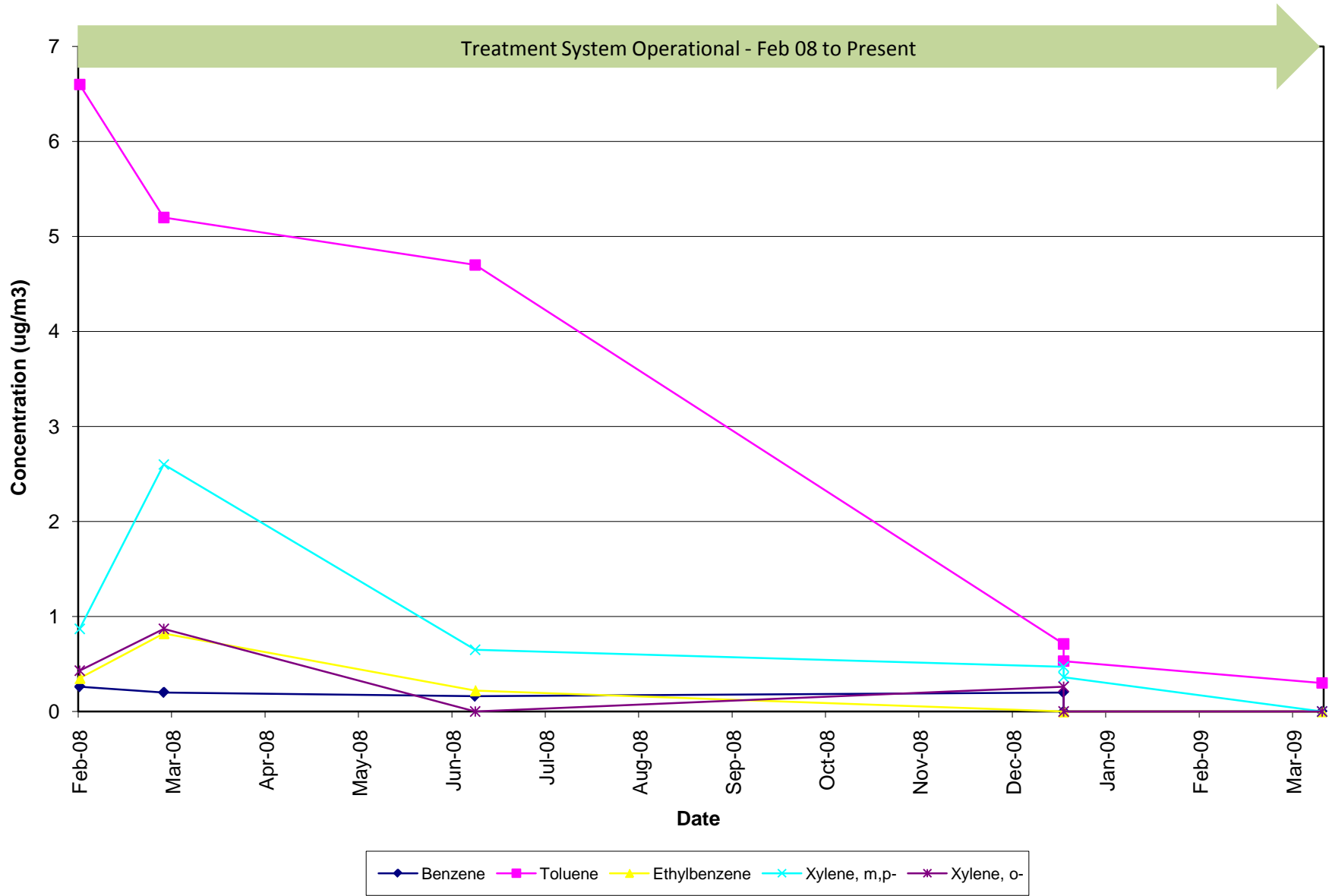


Appendix D
Soil Vapor Analytical Results
Operable Unit No.1
Bay Shore/Brightwaters Former MGP Site
OZSG02

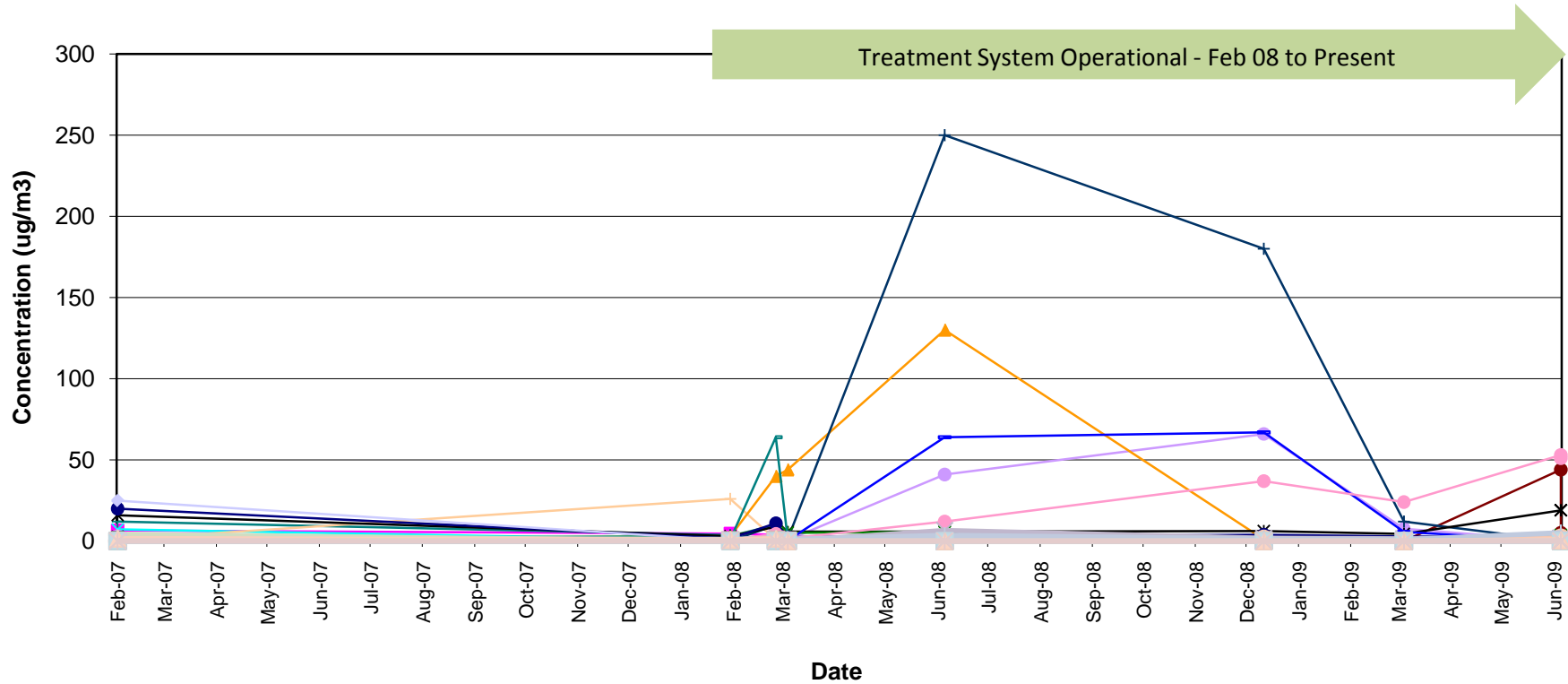


Benzene	Toluene	Ethylbenzene	Xylene, m,p-	Xylene, o-	Acetaldehyde
Acetone	Acrolein (propenal)	Allyl chloride	Benzothiophene	Bromodichloromethane	Bromoform
Bromomethane	Butadiene, 1,3-	Butane	Butanone, 2-	Carbon disulfide	Carbon tetrachloride
Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Chlorotoluene, 2-	Cryofluorane
Cyclohexane	Decane, n-	Dibromochloromethane	Dibromoethane, 1,2-	Dichlorobenzene, 1,2-	Dichlorobenzene, 1,3-
Dichlorobenzene, 1,4-	Dichlorodifluoromethane	Dichloroethane, 1,1-	Dichloroethane, 1,2-	Dichloroethene, 1,1-	Dichloroethene, cis-1,2-
Dichloropropane, 1,2-	Dichloropropene, cis-1,3	Dichloropropene, trans-1,3	Dioxane, 1,4-	Dodecane, n-	Ethanol
Ethylthiophene, 2-	Ethyltoluene, p-	Heptane, n-	Hexachlorobutadiene	Hexane, n-	Hexanone, 2-
Hydrogen sulfide	Indan	Indene	Isopropyl benzene	Methyl tert-butyl ether	Methyl-2-pentanone, 4-
Methylene chloride	Methylnaphthalene, 1-	Methylnaphthalene, 2-	Methylthiophene, 2-	Methylthiophene, 3-	Naphthalene
Nonane	Octane, n-	Pentane	Propanol, 2-	Propylbenzene, n-	Styrene
t-Butyl alcohol	Tetrachloroethane, 1,1,2,2-	Tetrachloroethene	Tetrahydrofuran	Tetramethylbenzene, 1,2,4,5-	Thiophene
Trans-1,2-dichloroethene	Trichloro-1,2,2-trifluoroethane, 1,1,2-	Trichlorobenzene, 1,2,4-	Trichloroethane, 1,1,1-	Trichloroethane, 1,1,2-	Trichloroethene
Trichlorofluoromethane	Trimethylbenzene, 1,2,3-	Trimethylbenzene, 1,2,4-	Trimethylbenzene, 1,3,5-	Trimethylpentane, 2,2,4-	Undecane, n-
Vinyl bromide	Vinyl chloride				

Appendix D
 Soil Vapor Analytical Results
 Operable Unit No.1
 Bay Shore/Brightwaters Former MGP Site
OZSG02 BTEX

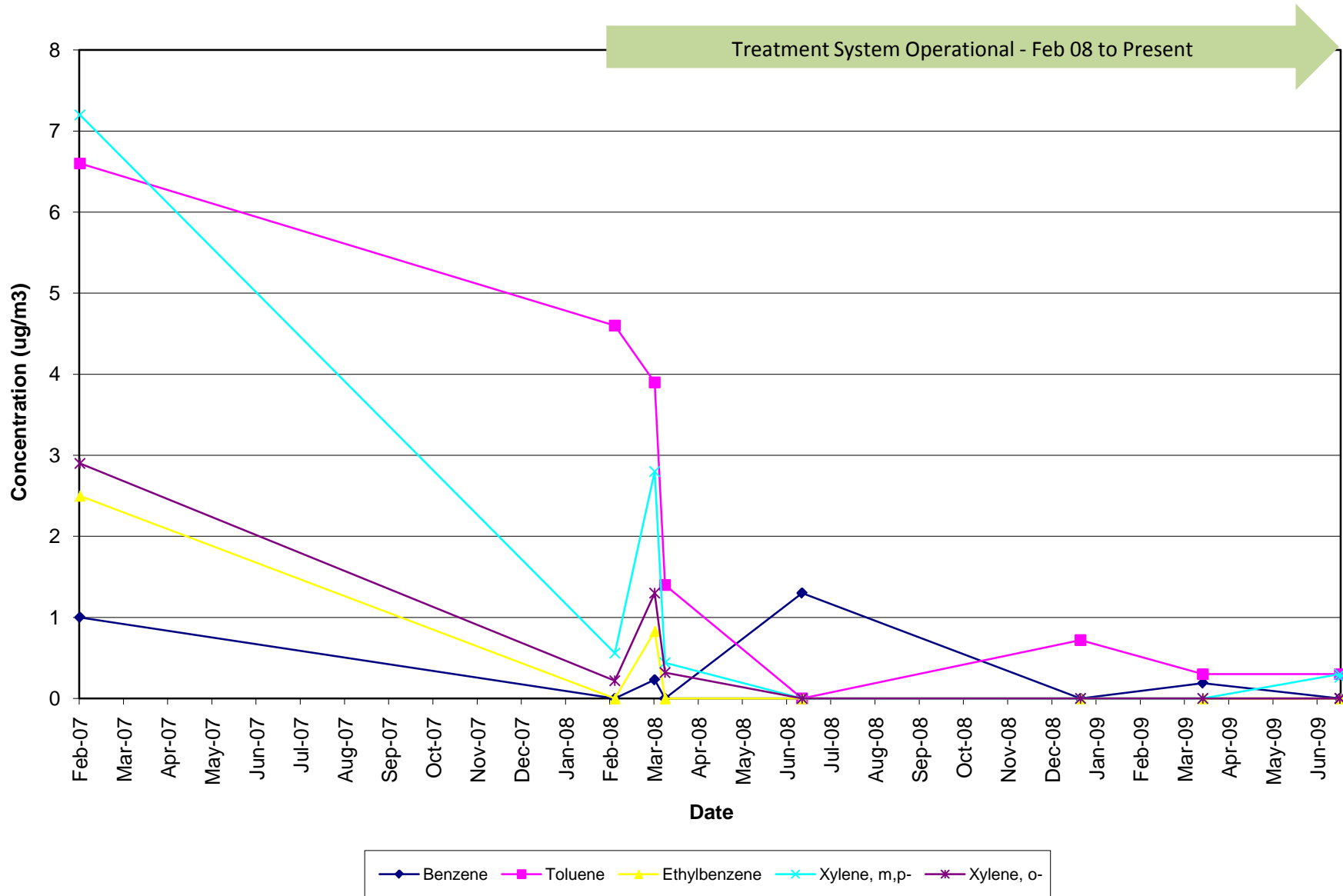


Appendix D
Soil Vapor Analytical Results
Operable Unit No.1
Bay Shore/Brightwaters Former MGP Site
OZSG03

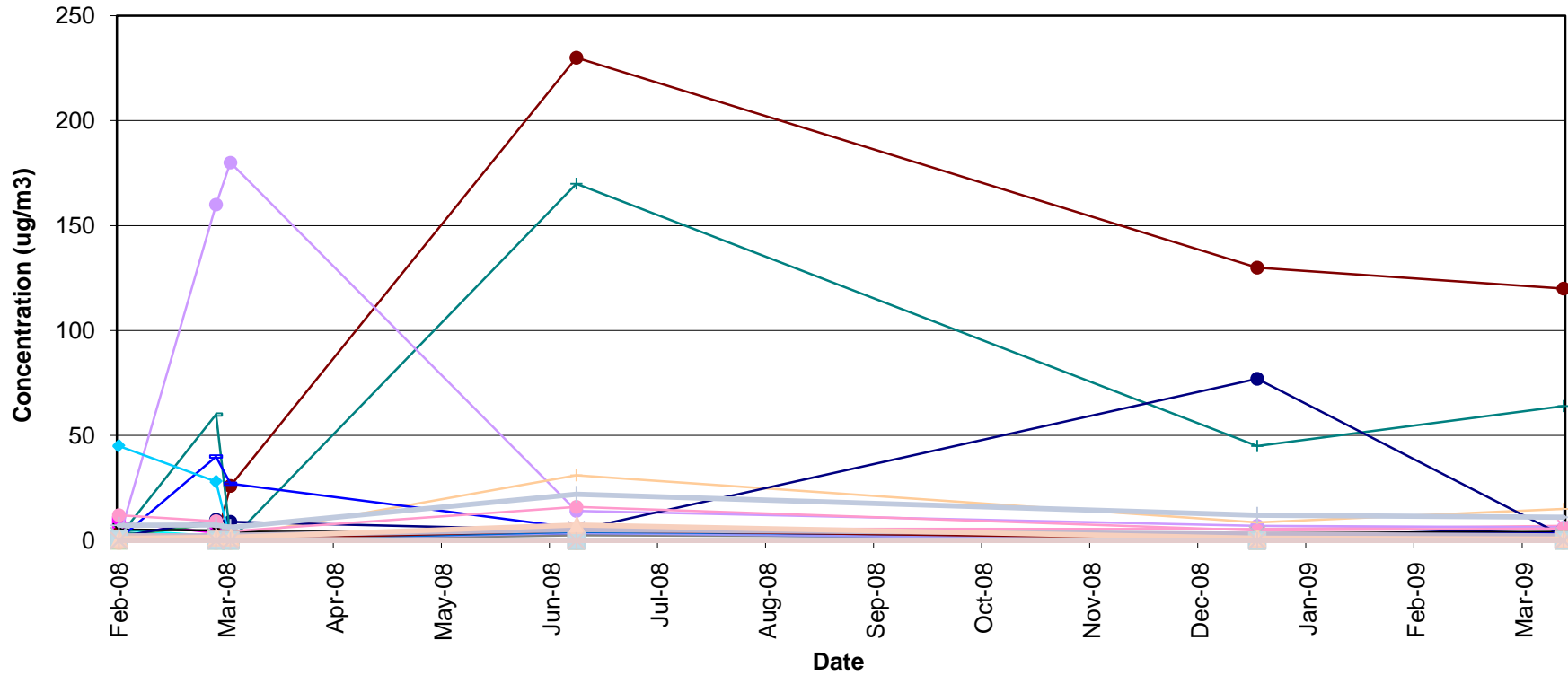


Benzene	Toluene	Ethylbenzene	Xylene, m,p-	Xylene, o-	Acetaldehyde
Acetone	Acrolein (propenal)	Allyl chloride	Benzothiophene	Bromodichloromethane	Bromoform
Bromomethane	Butadiene, 1,3-	Butane	Butanone, 2-	Carbon disulfide	Carbon tetrachloride
Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Chlorotoluene, 2-	Cryofluorane
Cyclohexane	Decane, n-	Dibromochloromethane	Dibromoethane, 1,2-	Dichlorobenzene, 1,2-	Dichlorobenzene, 1,3-
Dichlorobenzene, 1,4-	Dichlorodifluoromethane	Dichloroethane, 1,1-	Dichloroethane, 1,2-	Dichloroethene, 1,1-	Dichloroethene, cis-1,2-
Dichloropropane, 1,2-	Dichloropropene, cis-1,3	Dichloropropene, trans-1,3	Dioxane, 1,4-	Dodecane, n-	Ethanol
Ethylthiophene, 2-	Ethyltoluene, p-	Heptane, n-	Hexachlorobutadiene	Hexane, n-	Hexanone, 2-
Hydrogen sulfide	Indan	Indene	Isopropyl benzene	Methyl tert-butyl ether	Methyl-2-pentanone, 4-
Methylene chloride	Methylnaphthalene, 1-	Methylnaphthalene, 2-	Methylthiophene, 2-	Methylthiophene, 3-	Naphthalene
Nonane	Octane, n-	Pentane	Propanol, 2-	Propylbenzene, n-	Styrene
t-Butyl alcohol	Tetrachloroethane, 1,1,2,2-	Tetrachloroethene	Tetrahydrofuran	Tetramethylbenzene, 1,2,4,5-	Thiophene
Trans-1,2-dichloroethene	Trichloro-1,2,2-trifluoroethane, 1,1,2-	Trichlorobenzene, 1,2,4-	Trichloroethane, 1,1,1-	Trichloroethane, 1,1,2-	Trichloroethene
Trichlorofluoromethane	Trimethylbenzene, 1,2,3-	Trimethylbenzene, 1,2,4-	Trimethylbenzene, 1,3,5-	Trimethylpentane, 2,2,4-	Undecane, n-
Vinyl bromide	Vinyl chloride				

Appendix D
 Soil Vapor Analytical Results
 Operable Unit No.1
 Bay Shore/Brightwaters Former MGP Site
OZSG03 BTEX

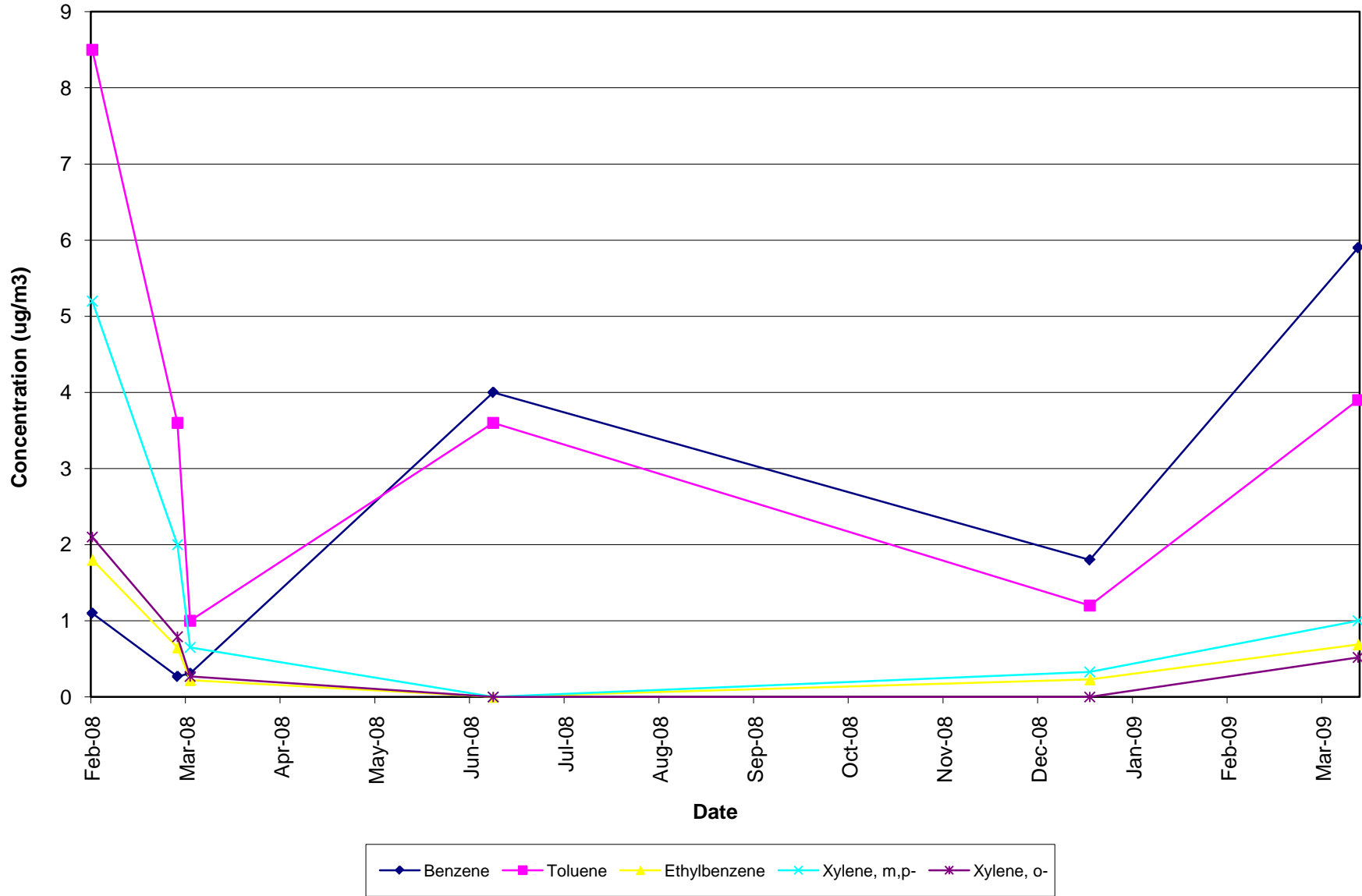


Appendix D
Soil Vapor Analytical Results
Operable Unit No.1
Bay Shore/Brightwaters Former MGP Site
OZSG04

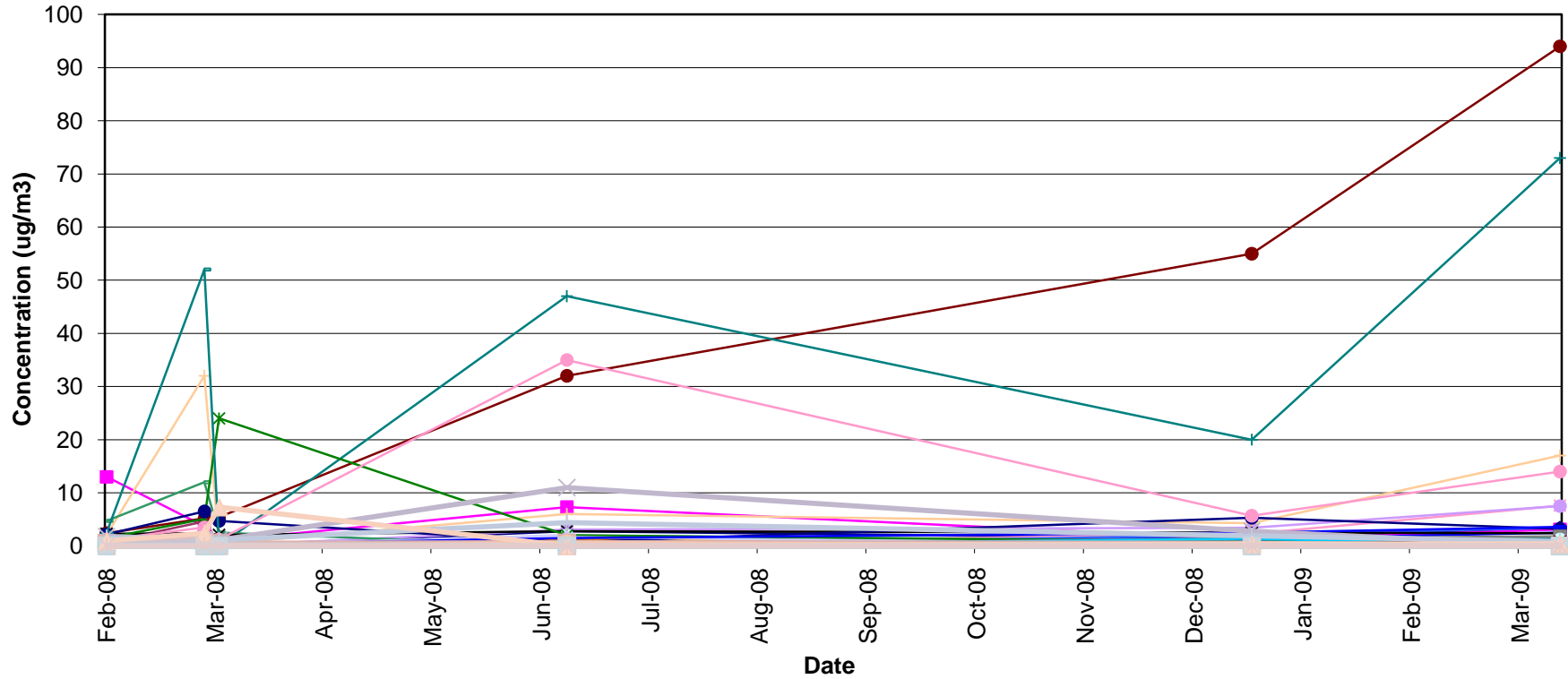


◆ Benzene	◆ Toluene	◆ Ethylbenzene	◆ Xylene, m,p-	◆ Xylene, o-
◆ Acetaldehyde	◆ Acetone	◆ Acrolein (propenal)	◆ Allyl chloride	◆ Benzothiophene
◆ Bromodichloromethane	◆ Bromoform	◆ Bromomethane	◆ Butadiene, 1,3-	◆ Butane
◆ Butanone, 2-	◆ Carbon disulfide	◆ Carbon tetrachloride	◆ Chlorobenzene	◆ Chloroethane
◆ Chloroform	◆ Chloromethane	◆ Chlorotoluene, 2-	◆ Cryofluorane	◆ Cyclohexane
◆ Decane, n-	◆ Dibromochloromethane	◆ Dibromoethane, 1,2-	◆ Dichlorobenzene, 1,2-	◆ Dichlorobenzene, 1,3-
◆ Dichlorobenzene, 1,4-	◆ Dichlorodifluoromethane	◆ Dichloroethane, 1,1-	◆ Dichloroethane, 1,2-	◆ Dichloroethane, 1,1-
◆ Dichloroethene, cis-1,2-	◆ Dichloropropane, 1,2-	◆ Dichloropropene, cis-1,3	◆ Dichloropropene, trans-1,3	◆ Dioxane, 1,4-
◆ Dodecane, n-	◆ Ethanol	◆ Ethylthiophene, 2-	◆ Ethyltoluene, p-	◆ Heptane, n-
◆ Hexachlorobutadiene	◆ Hexane, n-	◆ Hexanone, 2-	◆ Hydrogen sulfide	◆ Indan
◆ Indene	◆ Isopropyl benzene	◆ Methyl tert-butyl ether	◆ Methyl-2-pentanone, 4-	◆ Methylene chloride
◆ Methyl-naphthalene, 1-	◆ Methyl-naphthalene, 2-	◆ Methylthiophene, 2-	◆ Methylthiophene, 3-	◆ Naphthalene
◆ Nonane	◆ Octane, n-	◆ Pentane	◆ Propanol, 2-	◆ Propylbenzene, n-
◆ Styrene	◆ t-Butyl alcohol	◆ Tetrachloroethane, 1,1,2,2-	◆ Tetrachloroethene	◆ Tetrahydrofuran
◆ Tetramethylbenzene, 1,2,4,5-	◆ Thiophene	◆ Trans-1,2-dichloroethene	◆ Trichloro-1,2,2-trifluoroethane, 1,1,2-	◆ Trichlorobenzene, 1,2,4-
◆ Trichloroethane, 1,1,1-	◆ Trichloroethane, 1,1,2-	◆ Trichloroethene	◆ Trichlorofluoromethane	◆ Trimethylbenzene, 1,2,3-
◆ Trimethylbenzene, 1,2,4-	◆ Trimethylbenzene, 1,3,5-	◆ Trimethylpentane, 2,2,4-	◆ Undecane, n-	◆ Vinyl bromide
◆ Vinyl chloride				

Appendix D
Soil Vapor Analytical Results
Operable Unit No.1
Bay Shore/Brightwaters Former MGP Site
OZSG04 BTEX

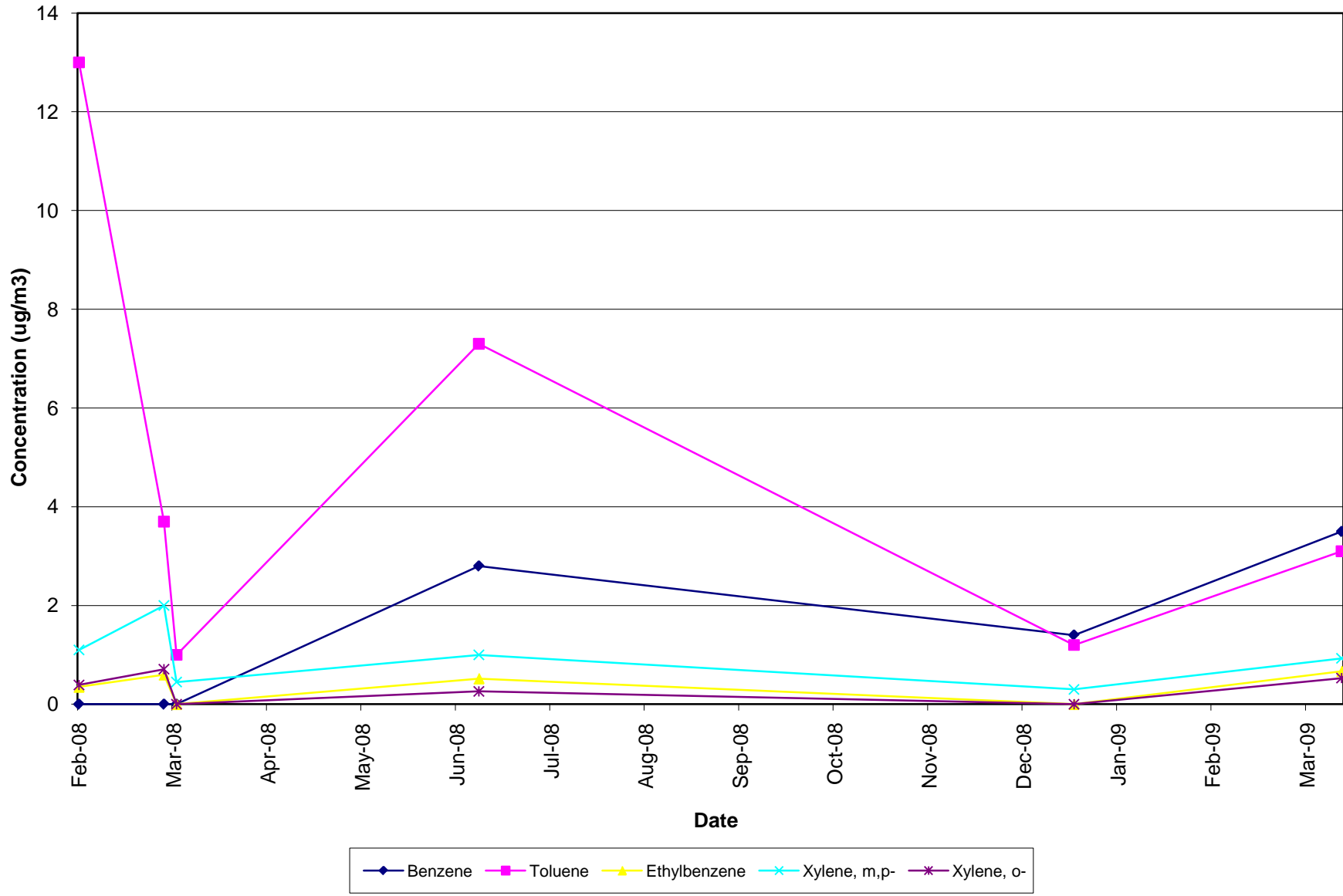


Appendix D
Soil Vapor Analytical Results
Operable Unit No.1
Bay Shore/Brightwaters Former MGP Site
OZSG05

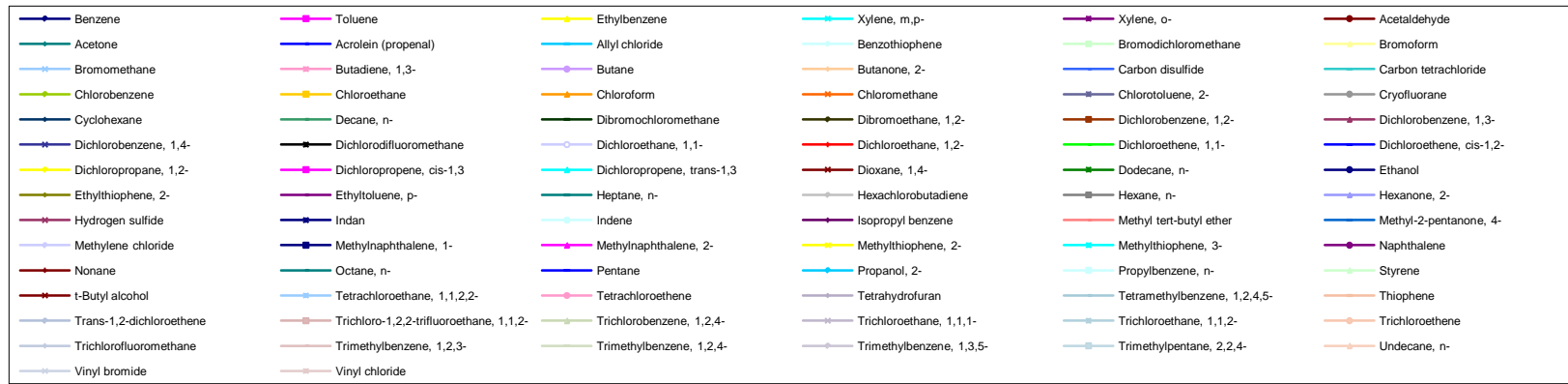
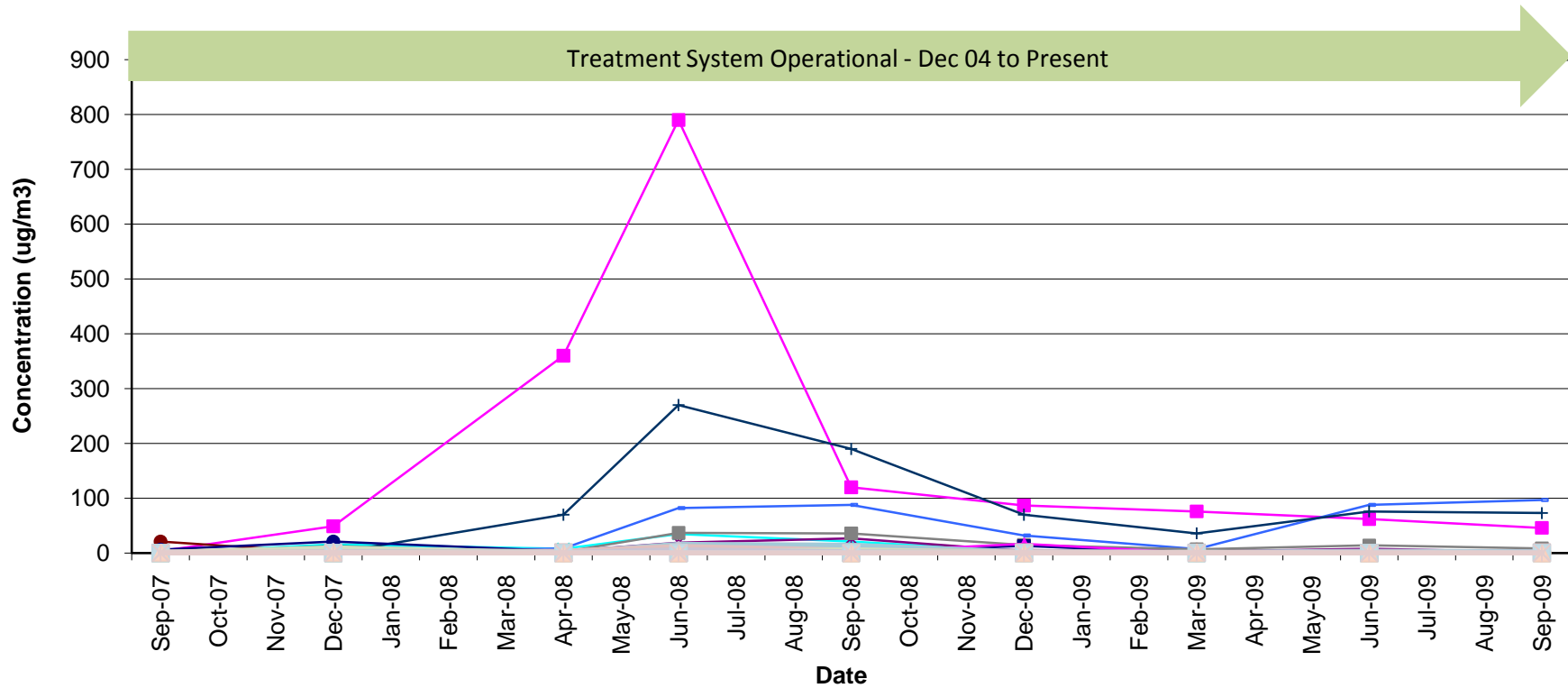


Benzene	Toluene	Ethylbenzene	Xylene, m,p-	Xylene, o-	Acetaldehyde
Acetone	Acrolein (propenal)	Allyl chloride	Benzothiophene	Bromodichloromethane	Bromoform
Bromomethane	Butadiene, 1,3-	Butane	Butanone, 2-	Carbon disulfide	Carbon tetrachloride
Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Chlorotoluene, 2-	Cryofluorane
Cyclohexane	Decane, n-	Dibromochloromethane	Dibromoethane, 1,2-	Dichlorobenzene, 1,2-	Dichlorobenzene, 1,3-
Dichlorobenzene, 1,4-	Dichlorodifluoromethane	Dichloroethane, 1,1-	Dichloroethane, 1,2-	Dichloroethene, 1,1-	Dichloroethene, cis-1,2-
Dichloropropane, 1,2-	Dichloropropene, cis-1,3	Dichloropropene, trans-1,3	Dioxane, 1,4-	Dodecane, n-	Ethanol
Ethylthiophene, 2-	Ethyltoluene, p-	Heptane, n-	Hexachlorobutadiene	Hexane, n-	Hexanone, 2-
Hydrogen sulfide	Indan	Indene	Isopropyl benzene	Methyl tert-butyl ether	Methyl-2-pentanone, 4-
Methylene chloride	Methylnaphthalene, 1-	Methylnaphthalene, 2-	Methylthiophene, 2-	Methylthiophene, 3-	Naphthalene
Nonane	Octane, n-	Pentane	Propanol, 2-	Propylbenzene, n-	Styrene
n-Butyl alcohol	Tetrachloroethane, 1,1,2,2-	Tetrachloroethene	Tetrahydrofuran	Tetramethylbenzene, 1,2,4,5-	Thiophene
Trans-1,2-dichloroethene	Trichloro-1,2,2-trifluoroethane, 1,1,2-	Trichlorobenzene, 1,2,4-	Trichloroethane, 1,1,1-	Trichloroethane, 1,1,2-	Trichloroethene
Trichlorofluoromethane	Trimethylbenzene, 1,2,3-	Trimethylbenzene, 1,2,4-	Trimethylbenzene, 1,3,5-	Trimethylpentane, 2,2,4-	Undecane, n-
Vinyl bromide	Vinyl chloride				

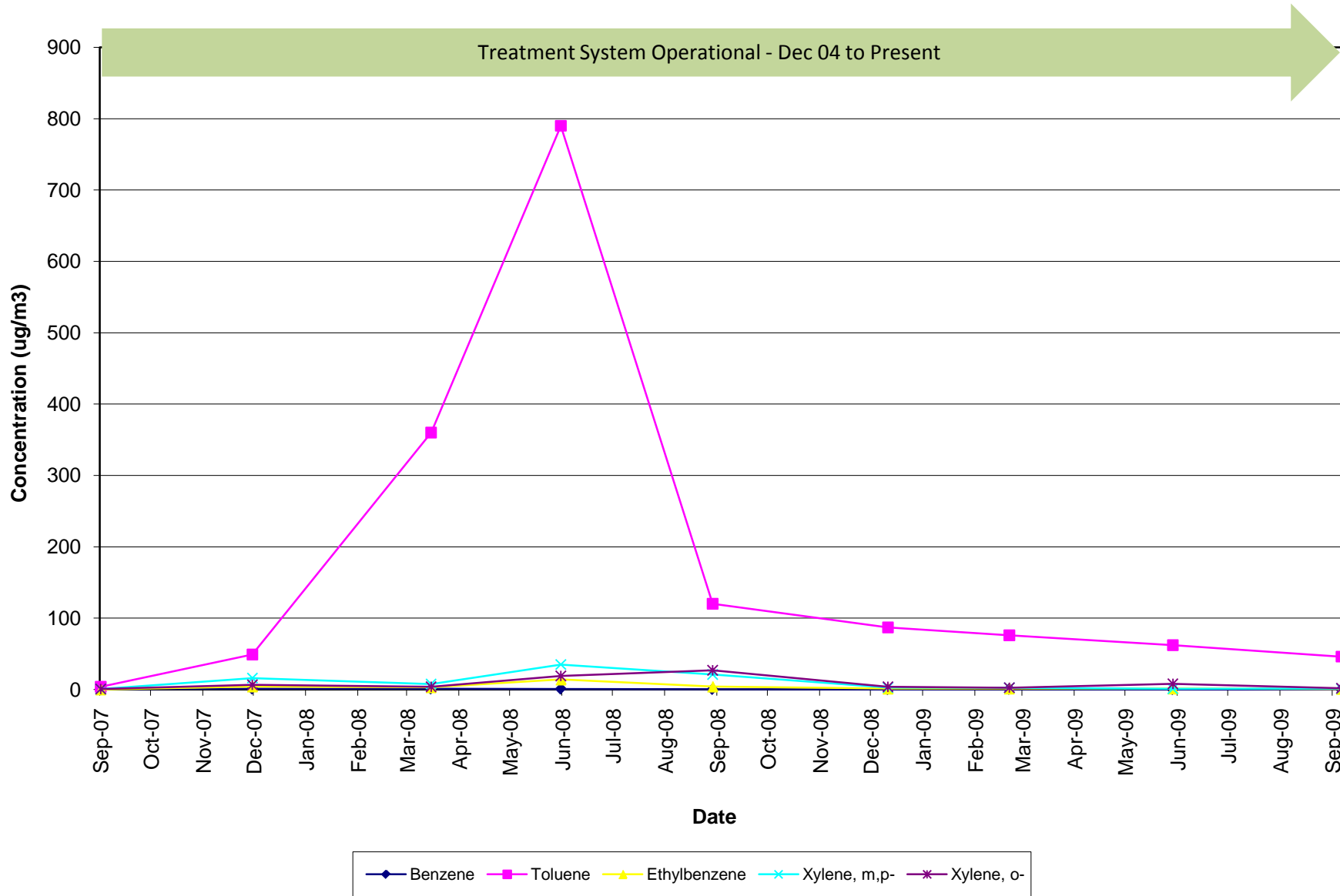
Appendix D
Soil Vapor Analytical Results
Operable Unit No.1
Bay Shore/Brightwaters Former MGP Site
OZSG05 BTEX



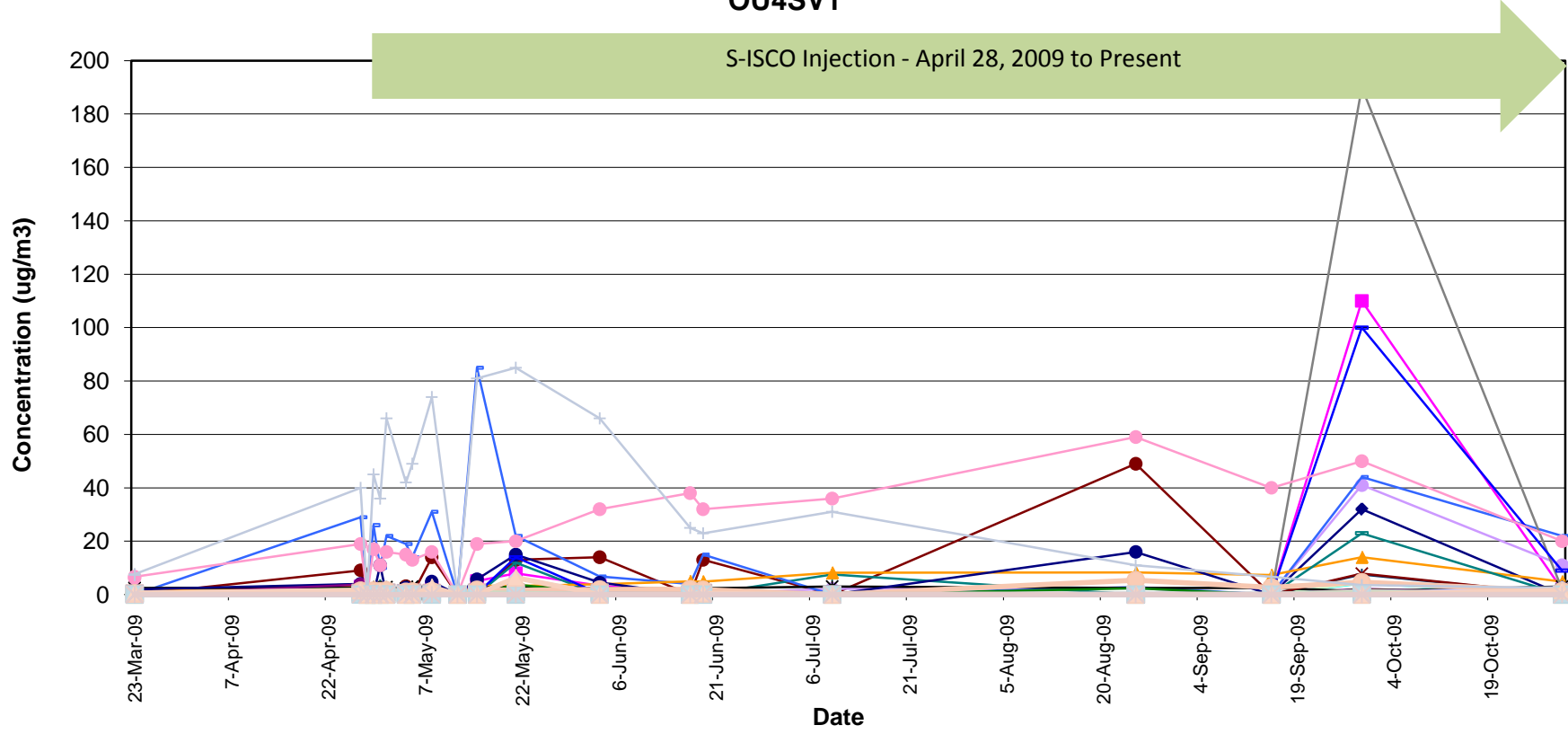
Appendix D
Soil Vapor Analytical Results
Operable Unit No.3
Bay Shore/Brightwaters Former MGP Site
OU3SG01



Appendix D
 Soil Vapor Analytical Results
 Operable Unit No.3
 Bay Shore/Brightwaters Former MGP Site
OU3SG01 BTEX

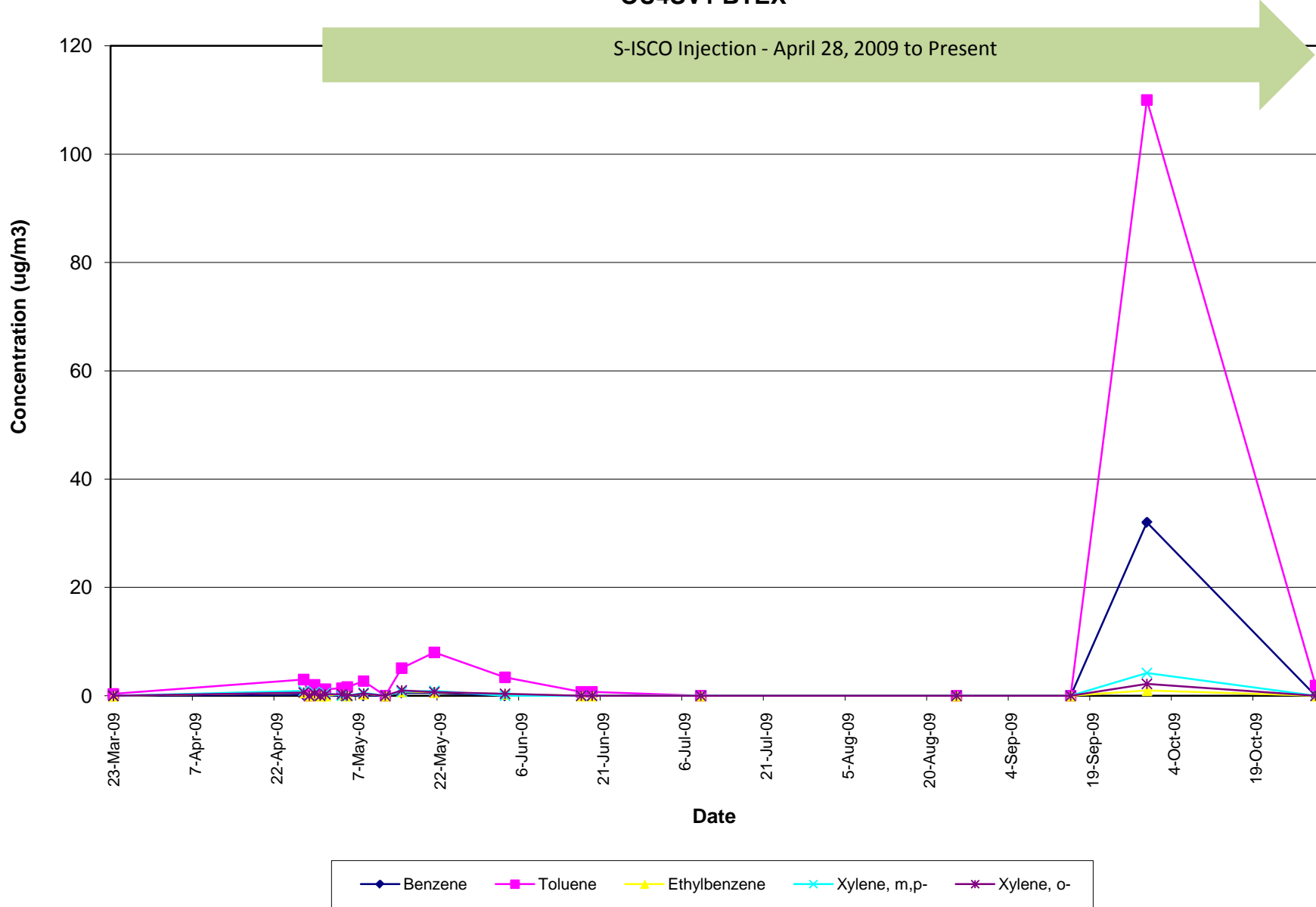


Appendix D
 Soil Vapor Analytical Results
 Operable Unit No.3
 Bay Shore/Brightwaters Former MGP Site
OU4SV1

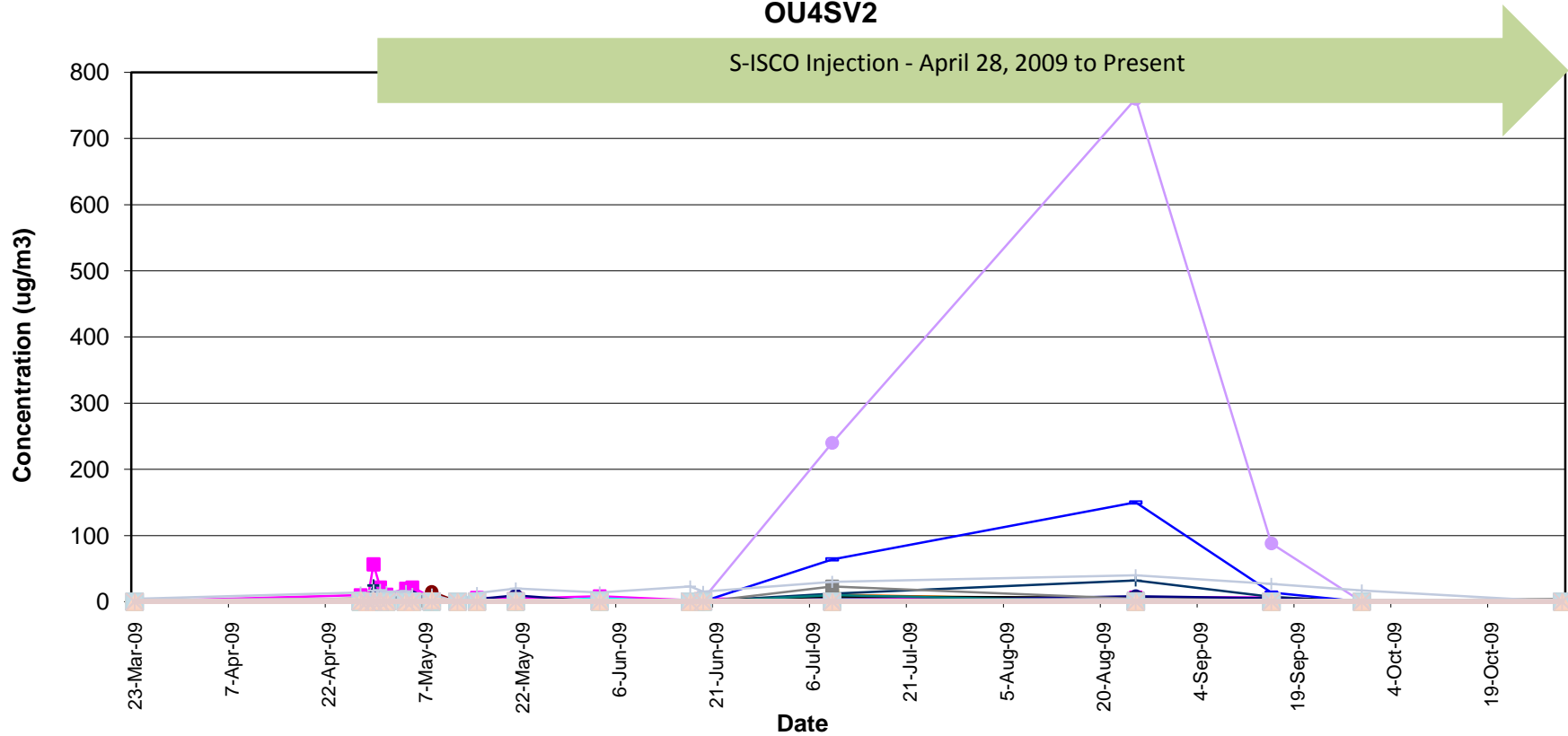


Benzen	Toluene	Ethylbenzene	Xylene, m,p	Xylene, o-	Acetaldehyde
Acetone	Acrolein (propenal)	Allyl chloride	Benzothiophene	Bromodichloromethane	Bromoform
Bromomethane	Butadiene, 1,3-	Butane	Butanone, 2-	Carbon disulfide	Carbon tetrachloride
Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Chlorotoluene, 2-	Cryofluorane
Cyclohexane	Decane, n-	Dibromochloromethane	Dibromoethane, 1,2-	Dichlorobenzene, 1,2-	Dichlorobenzene, 1,3-
Dichlorobenzene, 1,4-	Dichlorodifluoromethane	Dichloroethane, 1,1-	Dichloroethane, 1,2-	Dichloroethene, 1,1-	Dichloroethene, cis-1,2-
Dichloropropane, 1,2-	Dichloropropene, cis-1,3	Dichloropropene, trans-1,3	Dioxane, 1,4-	Dodecane, n-	Ethanol
Ethylthiophene, 2-	Ethyltoluene, p-	Heptane, n-	Hexachlorobutadiene	Hexane, n-	Hexanone, 2-
Hydrogen sulfide	Indan	Indene	Isopropyl benzene	Methyl tert-butyl ether	Methyl-2-pentanone, 4-
Methylene chloride	Methylnaphthalene, 1-	Methylnaphthalene, 2-	Methylthiophene, 2-	Methylthiophene, 3-	Naphthalene
Nonane	Octane, n-	Pentane	Propanol, 2-	Propylbenzene, n-	Styrene
t-Butyl alcohol	Tetrachloroethane, 1,1,2,2-	Tetrachloroethene	Tetrahydrofuran	Tetramethylbenzene, 1,2,4,5-	Thiophene
Trans-1,2-dichloroethene	Trichloro-1,2,2-trifluoroethane, 1,1,2-	Trichlorobenzene, 1,2,4-	Trichloroethane, 1,1,1-	Trichloroethane, 1,1,2-	Trichloroethene
Trichlorofluoromethane	Trimethylbenzene, 1,2,3-	Trimethylbenzene, 1,2,4-	Trimethylbenzene, 1,3,5-	Trimethylpentane, 2,2,4-	Undecane, n-
Vinyl bromide	Vinyl chloride				

Appendix D
 Soil Vapor Analytical Results
 Operable Unit No.3
 Bay Shore/Brightwaters Former MGP Site
OU4SV1 BTEX

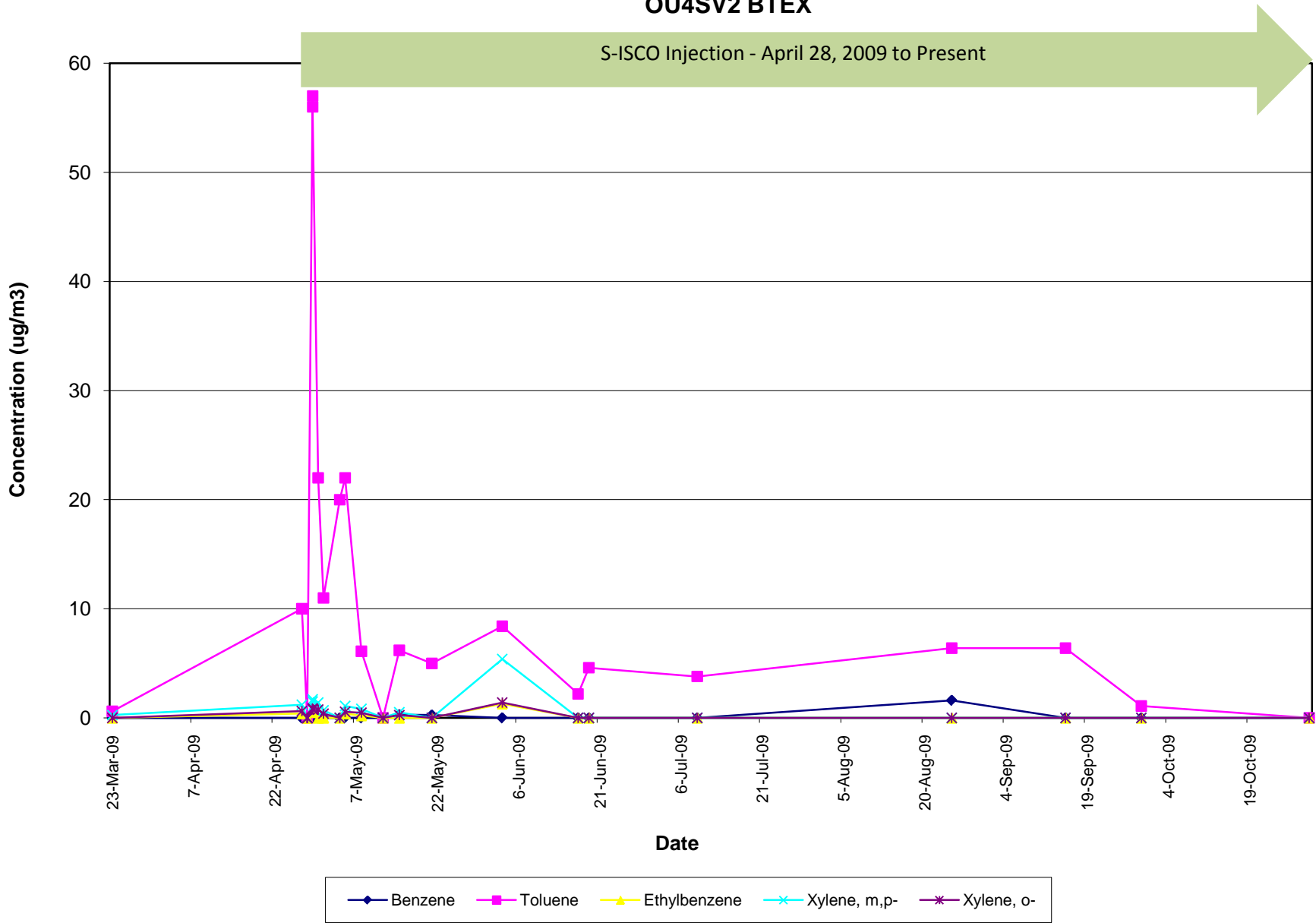


Appendix D
Soil Vapor Analytical Results
Operable Unit No.3
Bay Shore/Brightwaters Former MGP Site
OU4SV2

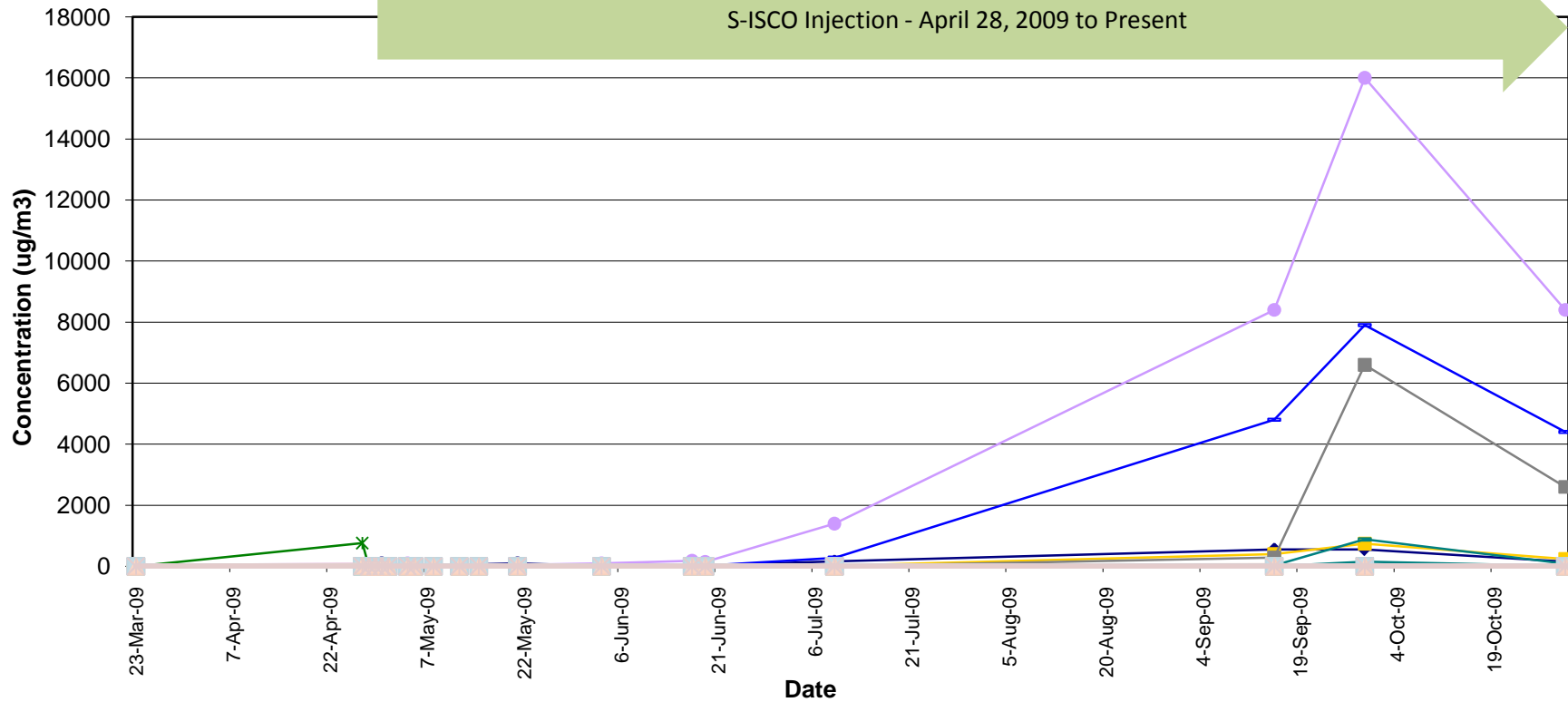


Benzene	Toluene	Ethylbenzene	Xylene, m,p-	Xylene, o-	Acetaldehyde
Acetone	Acrolein (propenal)	Allyl chloride	Benzothiophene	Bromodichloromethane	Bromoform
Bromomethane	Butadiene, 1,3-	Butane	Butanone, 2-	Carbon disulfide	Carbon tetrachloride
Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Chlorotoluene, 2-	Cryofluorane
Cyclohexane	Decane, n-	Dibromochloromethane	Dibromoethane, 1,2-	Dichlorobenzene, 1,2-	Dichlorobenzene, 1,3-
Dichlorobenzene, 1,4-	Dichlorodifluoromethane	Dichloroethane, 1,1-	Dichloroethane, 1,2-	Dichloroethene, 1,1-	Dichloroethene, cis-1,2-
Dichloropropane, 1,2-	Dichloropropene, cis-1,3	Dichloropropene, trans-1,3	Dioxane, 1,4-	Dodecane, n-	Ethanol
Ethylthiophene, 2-	Ethyltoluene, p-	Heptane, n-	Hexachlorobutadiene	Hexane, n-	Hexanone, 2-
Hydrogen sulfide	Indan	Indene	Isopropyl benzene	Methyl tert-butyl ether	Methyl-2-pentanone, 4-
Methylene chloride	Methylnaphthalene, 1-	Methylnaphthalene, 2-	Methylthiophene, 2-	Methylthiophene, 3-	Naphthalene
Nonane	Octane, n-	Pentane	Propanol, 2-	Propylbenzene, n-	Styrene
t-Butyl alcohol	Tetrachloroethane, 1,1,2,2-	Tetrachloroethene	Tetrahydrofuran	Tetramethylbenzene, 1,2,4,5-	Thiophene
Trans-1,2-dichloroethene	Trichloro-1,2,2-trifluoroethane, 1,1,2-	Trichlorobenzene, 1,2,4-	Trichloroethane, 1,1,1-	Trichloroethane, 1,1,2-	Trichloroethene
Trichlorofluoromethane	Trimethylbenzene, 1,2,3-	Trimethylbenzene, 1,2,4-	Trimethylbenzene, 1,3,5-	Trimethylpentane, 2,2,4-	Undecane, n-
Vinyl bromide	Vinyl chloride				

Appendix D
 Soil Vapor Analytical Results
 Operable Unit No.3
 Bay Shore/Brightwaters Former MGP Site
OU4SV2 BTEX

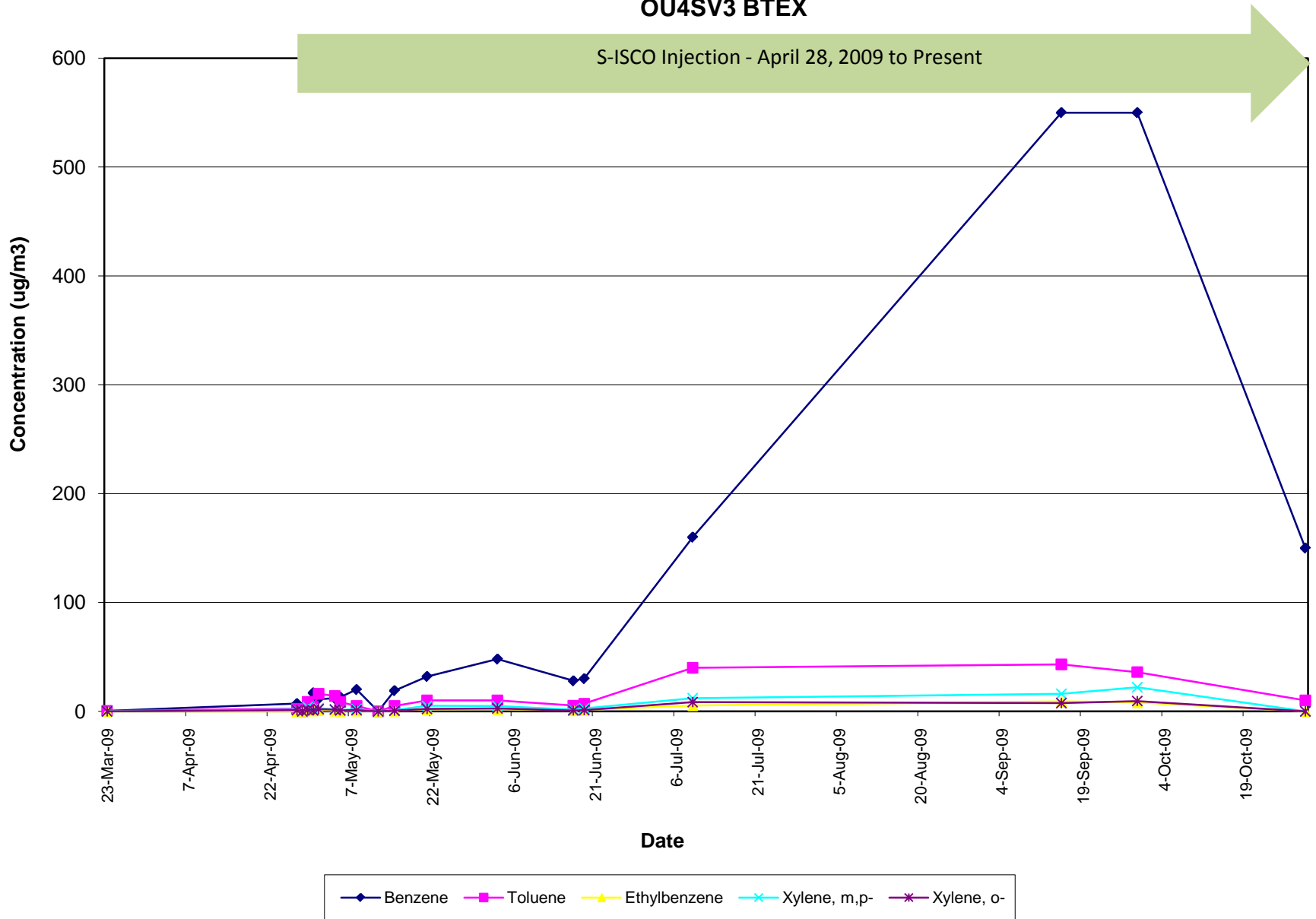


Appendix D
Soil Vapor Analytical Results
Operable Unit No.3
Bay Shore/Brightwaters Former MGP Site
OU4SV3

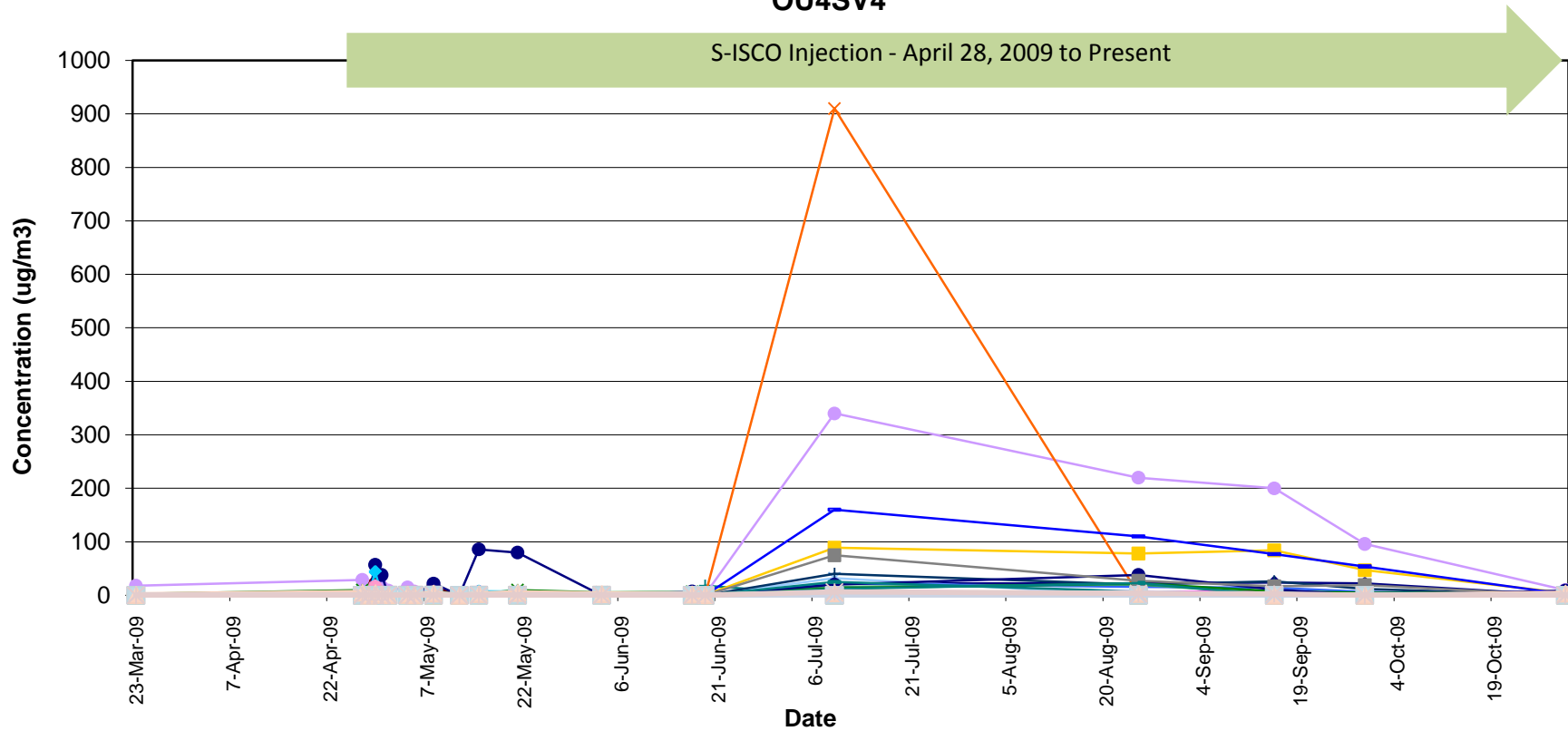


Benzene	Toluene	Ethylbenzene	Xylene, m,p-	Xylene, o-	Acetaldehyde
Acetone	Acrolein (propenal)	Allyl chloride	Benzothiophene	Bromodichloromethane	Bromoform
Bromomethane	Butadiene, 1,3-	Butane	Butanone, 2-	Carbon disulfide	Carbon tetrachloride
Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Chlorotoluene, 2-	Cryofluorane
Cyclohexane	Decane, n-	Dibromochloromethane	Dibromoethane, 1,2-	Dichlorobenzene, 1,2-	Dichlorobenzene, 1,3-
Dichlorobenzene, 1,4-	Dichlorodifluoromethane	Dichloroethane, 1,1-	Dichloroethane, 1,2-	Dichloroethene, 1,1-	Dichloroethene, cis-1,2-
Dichloropropane, 1,2-	Dichloropropene, cis-1,3	Dichloropropene, trans-1,3	Dioxane, 1,4-	Dodecane, n-	Ethanol
Ethylthiophene, 2-	Ethyltoluene, p-	Heptane, n-	Hexachlorobutadiene	Hexane, n-	Hexanone, 2-
Hydrogen sulfide	Indan	Indene	Isopropyl benzene	Methyl tert-butyl ether	Methyl-2-pentanone, 4-
Methylene chloride	Methylnaphthalene, 1-	Methylnaphthalene, 2-	Methylthiophene, 2-	Methylthiophene, 3-	Naphthalene
Nonane	Octane, n-	Pentane	Propanol, 2-	Propylbenzene, n-	Styrene
t-Butyl alcohol	Tetrachloroethane, 1,1,2,2-	Tetrachloroethene	Tetrahydrofuran	Tetramethylbenzene, 1,2,4,5-	Thiophene
Trans-1,2-dichloroethene	Trichloro-1,2,2-trifluoroethane, 1,1,2-	Trichlorobenzene, 1,2,4-	Trichloroethane, 1,1,1-	Trichloroethane, 1,1,2-	Trichloroethene
Trichlorofluoromethane	Trimethylbenzene, 1,2,3-	Trimethylbenzene, 1,2,4-	Trimethylbenzene, 1,3,5-	Trimethylpentane, 2,2,4-	Undecane, n-
Vinyl bromide	Vinyl chloride				

Appendix D
Soil Vapor Analytical Results
Operable Unit No.3
Bay Shore/Brightwaters Former MGP Site
OU4SV3 BTEX

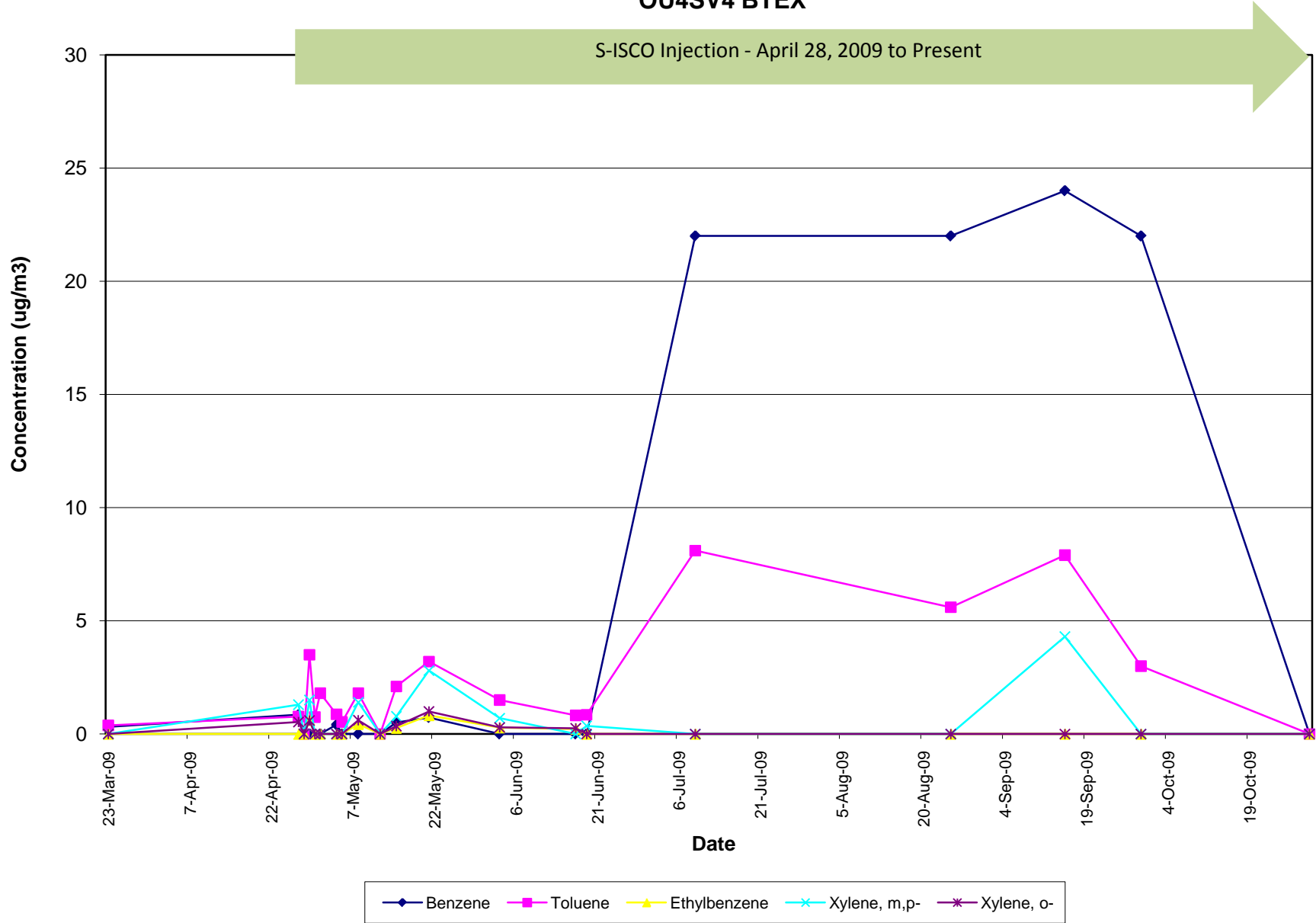


Appendix D
Soil Vapor Analytical Results
Operable Unit No.3
Bay Shore/Brightwaters Former MGP Site
OU4SV4



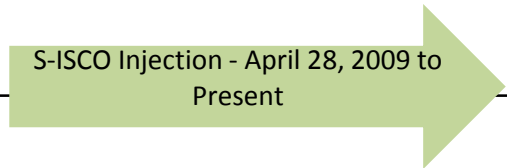
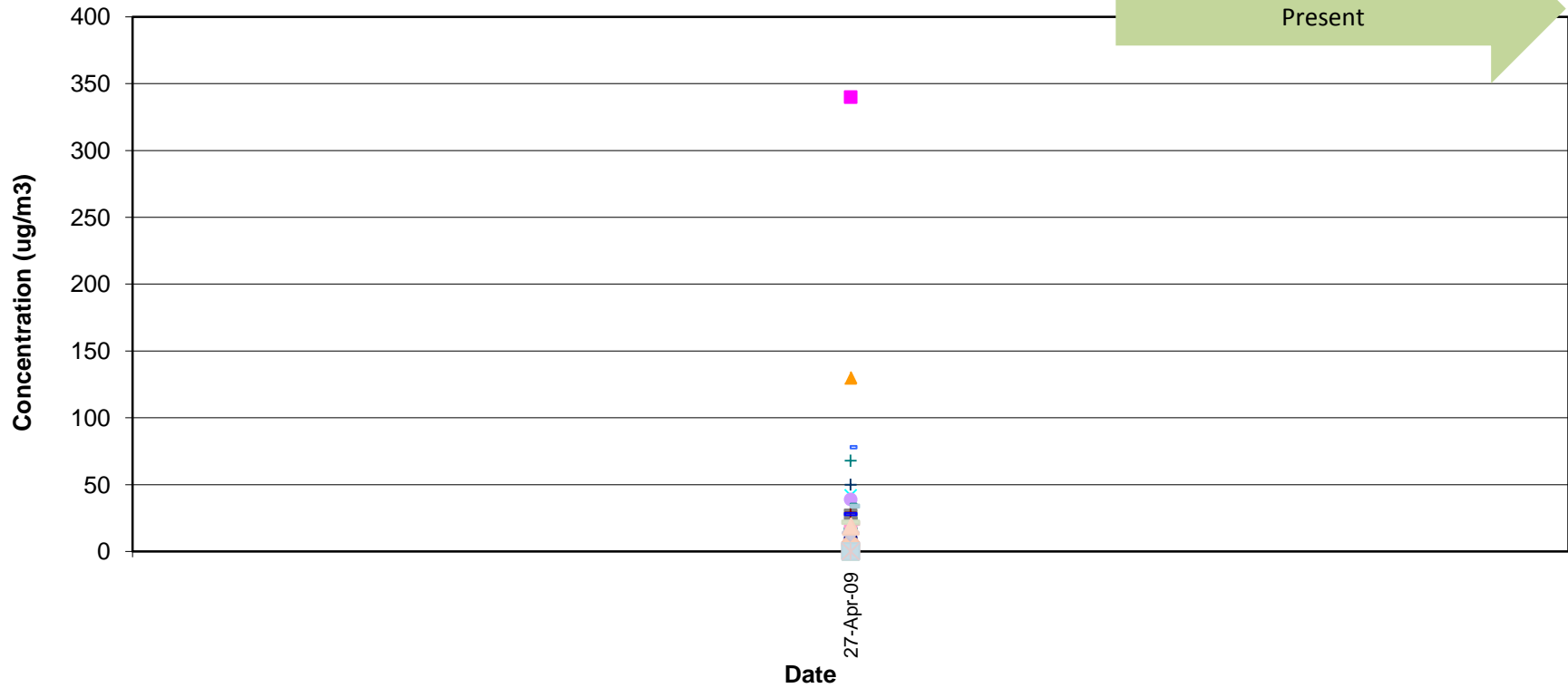
Benzene	Toluene	Ethylbenzene	Xylene, m,p-	Xylene, o-	Acetaldehyde
Acetone	Acrolein (propenal)	Allyl chloride	Benzothiophene	Bromodichloromethane	Bromoform
Bromomethane	Butadiene, 1,3-	Butane	Butanone, 2-	Carbon disulfide	Carbon tetrachloride
Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Chlorotoluene, 2-	Cryofluorane
Cyclohexane	Decane, n-	Dibromochloromethane	Dibromoethane, 1,2-	Dichlorobenzene, 1,2-	Dichlorobenzene, 1,3-
Dichlorobenzene, 1,4-	Dichlorodifluoromethane	Dichloroethane, 1,1-	Dichloroethane, 1,2-	Dichloroethene, 1,1-	Dichloroethene, cis-1,2-
Dichloropropane, 1,2-	Dichloropropene, cis-1,3	Dichloropropene, trans-1,3	Dioxane, 1,4-	Dodecane, n-	Ethanol
Ethylthiophene, 2-	Ethyltoluene, p-	Heptane, n-	Hexachlorobutadiene	Hexane, n-	Hexanone, 2-
Hydrogen sulfide	Indan	Indene	Isopropyl benzene	Methyl tert-butyl ether	Methyl-2-pentanone, 4-
Methylene chloride	Methylnaphthalene, 1-	Methylnaphthalene, 2-	Methylthiophene, 2-	Methylthiophene, 3-	Naphthalene
Nonane	Octane, n-	Pentane	Propanol, 2-	Propylbenzene, n-	Styrene
t-Butyl alcohol	Tetrachloroethane, 1,1,2,2-	Tetrachloroethene	Tetrahydrofuran	Tetramethylbenzene, 1,2,4,5-	Thiophene
Trans-1,2-dichloroethene	Trichloro-1,2,2-trifluoroethane, 1,1,2-	Trichlorobenzene, 1,2,4-	Trichloroethane, 1,1,1-	Trichloroethane, 1,1,2-	Trichloroethene
Trichlorofluoromethane	Trimethylbenzene, 1,2,3-	Trimethylbenzene, 1,2,4-	Trimethylbenzene, 1,3,5-	Trimethylpentane, 2,2,4-	Undecane, n-
Vinyl bromide	Vinyl chloride				

Appendix D
 Soil Vapor Analytical Results
 Operable Unit No.3
 Bay Shore/Brightwaters Former MGP Site
OU4SV4 BTEX



Appendix D
Soil Vapor Analytical Results
Operable Unit No.3
Bay Shore/Brightwaters Former MGP Site
OU4SV5

S-ISCO Injection - April 28, 2009 to Present

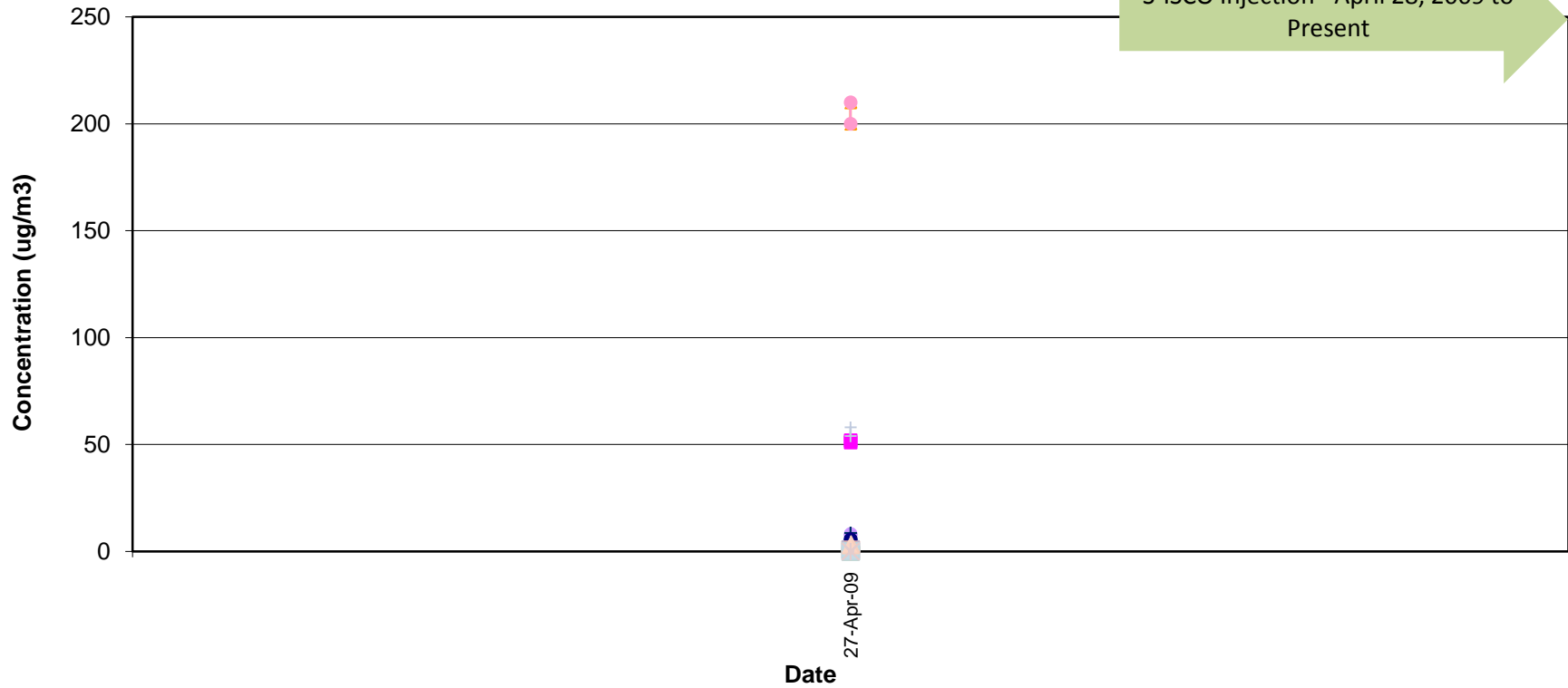
Benzene	Toluene	Ethylbenzene	Xylene, m,p-	Xylene, o-	Acetaldehyde
Acetone	Acrolein (propenal)	Allyl chloride	Benzothiophene	Bromodichloromethane	Bromoform
Bromomethane	Butadiene, 1,3-	Butane	Butanone, 2-	Carbon disulfide	Carbon tetrachloride
Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Chlorotoluene, 2-	Cryofluorane
Cyclohexane	Decane, n-	Dibromochloromethane	Dibromoethane, 1,2-	Dichlorobenzene, 1,2-	Dichlorobenzene, 1,3-
Dichlorobenzene, 1,4-	Dichlorodifluoromethane	Dichloroethane, 1,1-	Dichloroethane, 1,2-	Dichloroethene, 1,1-	Dichloroethene, cis-1,2-
Dichloropropane, 1,2-	Dichloropropene, cis-1,3	Dichloropropene, trans-1,3	Dioxane, 1,4-	Dodecane, n-	Ethanol
Ethylthiophene, 2-	Ethyltoluene, p-	Heptane, n-	Hexachlorobutadiene	Hexane, n-	Hexanone, 2-
Hydrogen sulfide	Indan	Indene	Isopropyl benzene	Methyl tert-butyl ether	Methyl-2-pentanone, 4-
Methylene chloride	Methylnaphthalene, 1-	Methylnaphthalene, 2-	Methylthiophene, 2-	Methylthiophene, 3-	Naphthalene
Nonane	Octane, n-	Pentane	Propanol, 2-	Propylbenzene, n-	Styrene
t-Butyl alcohol	Tetrachloroethane, 1,1,2,2-	Tetrachloroethene	Tetrahydrofuran	Tetramethylbenzene, 1,2,4,5-	Thiophene
Trans-1,2-dichloroethene	Trichloro-1,2,2-trifluoroethane, 1,1,2-	Trichlorobenzene, 1,2,4-	Trichloroethane, 1,1,1-	Trichloroethane, 1,1,2-	Trichloroethene
Trichlorofluoromethane	Trimethylbenzene, 1,2,3-	Trimethylbenzene, 1,2,4-	Trimethylbenzene, 1,3,5-	Trimethylpentane, 2,2,4-	Undecane, n-
Vinyl bromide	Vinyl chloride				

Appendix D
Soil Vapor Analytical Results
Operable Unit No.3
Bay Shore/Brightwaters Former MGP Site
OU4SV5 BTEX



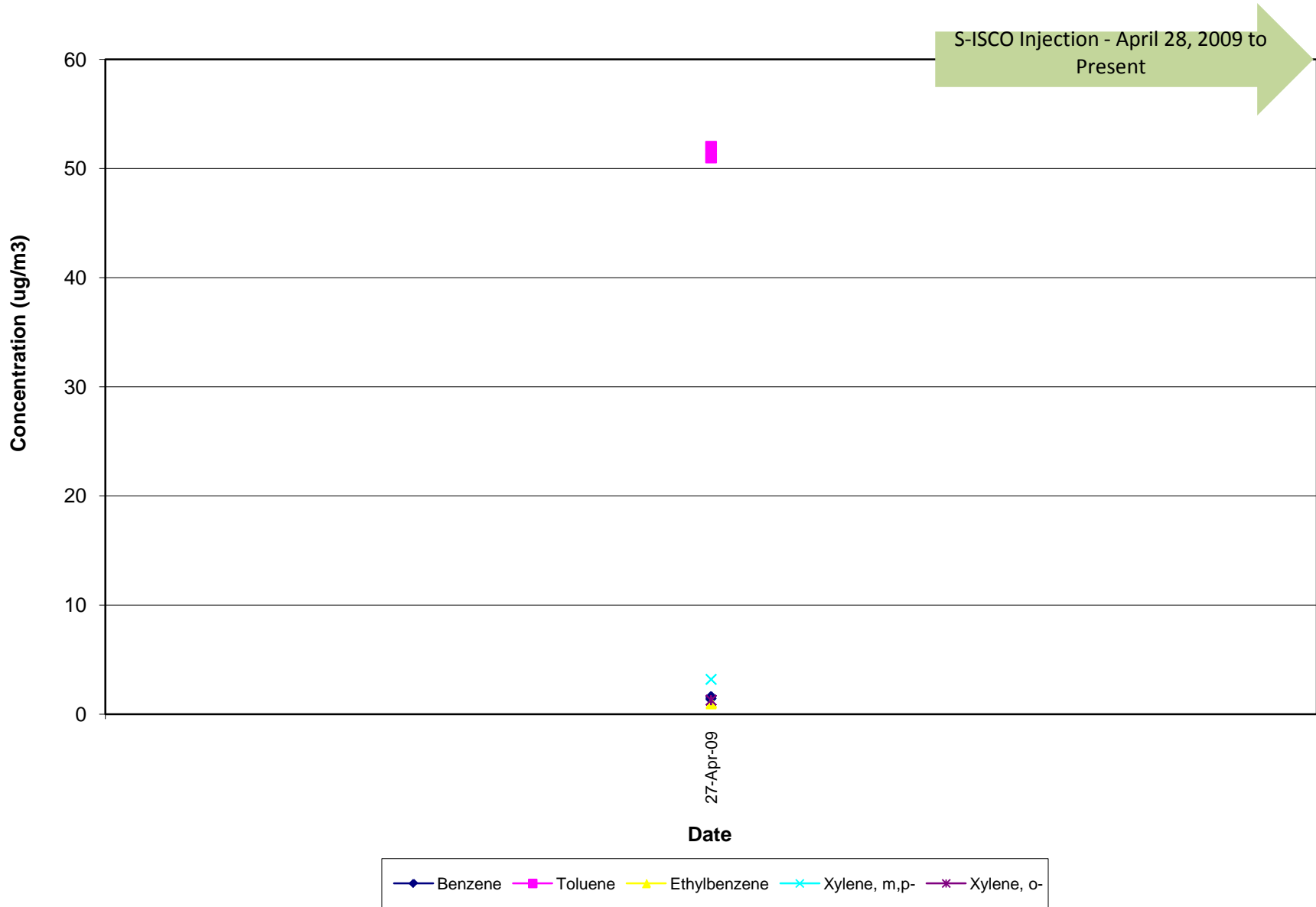
Appendix D
Soil Vapor Analytical Results
Operable Unit No.3
Bay Shore/Brightwaters Former MGP Site
OU4SV6

S-ISCO Injection - April 28, 2009 to Present



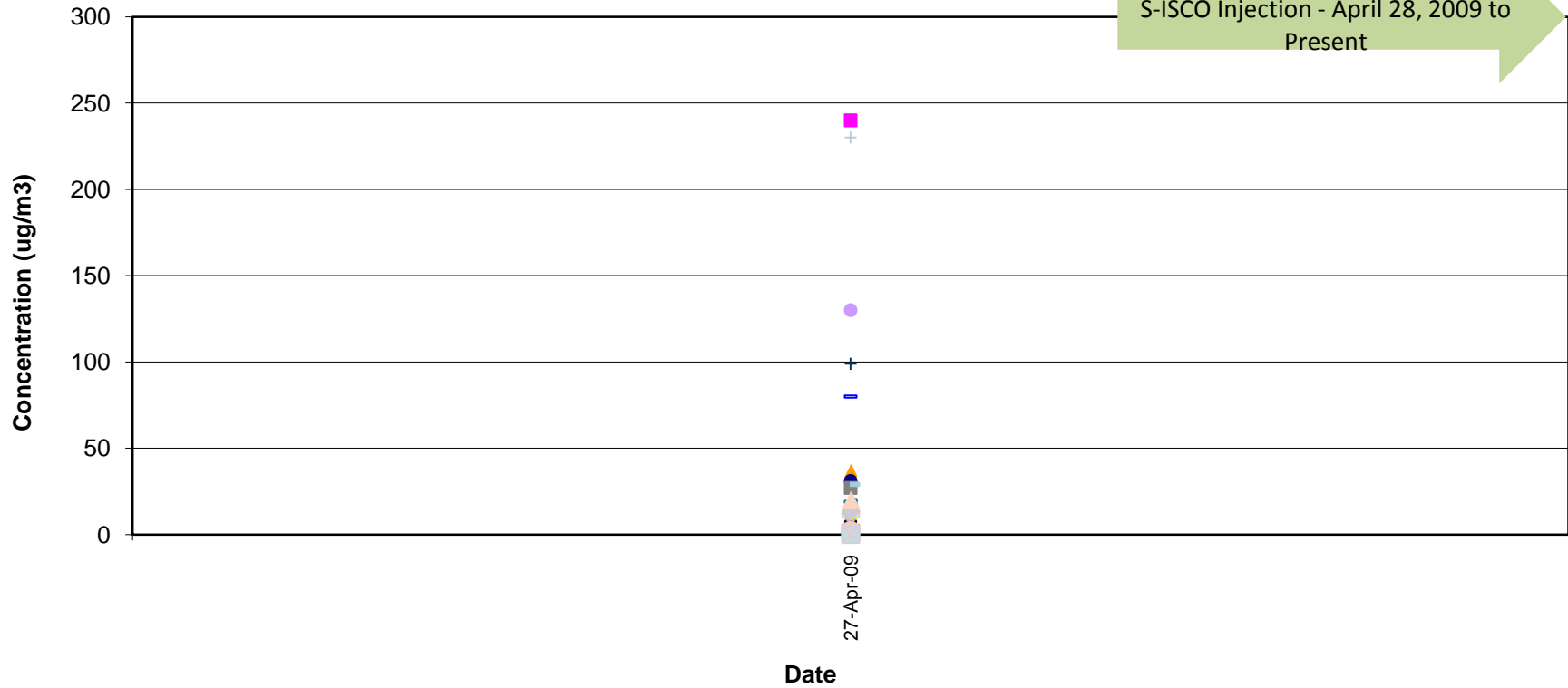
Benzene	Toluene	Ethylbenzene	Xylene, m,p-	Xylene, o-	Acetaldehyde
Acetone	Acrolein (propenal)	Allyl chloride	Benzothiophene	Bromodichloromethane	Bromoform
Bromomethane	Butadiene, 1,3-	Butane	Butanone, 2-	Carbon disulfide	Carbon tetrachloride
Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Chlorotoluene, 2-	Cryofluorane
Cyclohexane	Decane, n-	Dibromochloromethane	Dibromoethane, 1,2-	Dichlorobenzene, 1,2-	Dichlorobenzene, 1,3-
Dichlorobenzene, 1,4-	Dichlorodifluoromethane	Dichloroethane, 1,1-	Dichloroethane, 1,2-	Dichloroethene, 1,1-	Dichloroethene, cis-1,2-
Dichloropropane, 1,2-	Dichloropropene, cis-1,3	Dichloropropene, trans-1,3	Dioxane, 1,4-	Dodecane, n-	Ethanol
Ethylthiophene, 2-	Ethyltoluene, p-	Heptane, n-	Hexachlorobutadiene	Hexane, n-	Hexanone, 2-
Hydrogen sulfide	Indan	Indene	Isopropyl benzene	Methyl tert-butyl ether	Methyl-2-pentanone, 4-
Methylene chloride	Methylnaphthalene, 1-	Methylnaphthalene, 2-	Methylthiophene, 2-	Methylthiophene, 3-	Naphthalene
Nonane	Octane, n-	Pentane	Propanol, 2-	Propylbenzene, n-	Styrene
t-Butyl alcohol	Tetrachloroethane, 1,1,2,2-	Tetrachloroethene	Tetrahydrofuran	Tetramethylbenzene, 1,2,4,5-	Thiophene
Trans-1,2-dichloroethene	Trichloro-1,2,2-trifluoroethane, 1,1,2-	Trichlorobenzene, 1,2,4-	Trichloroethane, 1,1,1-	Trichloroethane, 1,1,2-	Trichloroethene
Trichlorofluoromethane	Trimethylbenzene, 1,2,3-	Trimethylbenzene, 1,2,4-	Trimethylbenzene, 1,3,5-	Trimethylpentane, 2,2,4-	Undecane, n-
Vinyl bromide	Vinyl chloride				

Appendix D
Soil Vapor Analytical Results
Operable Unit No.3
Bay Shore/Brightwaters Former MGP Site
OU4SV6 BTEX



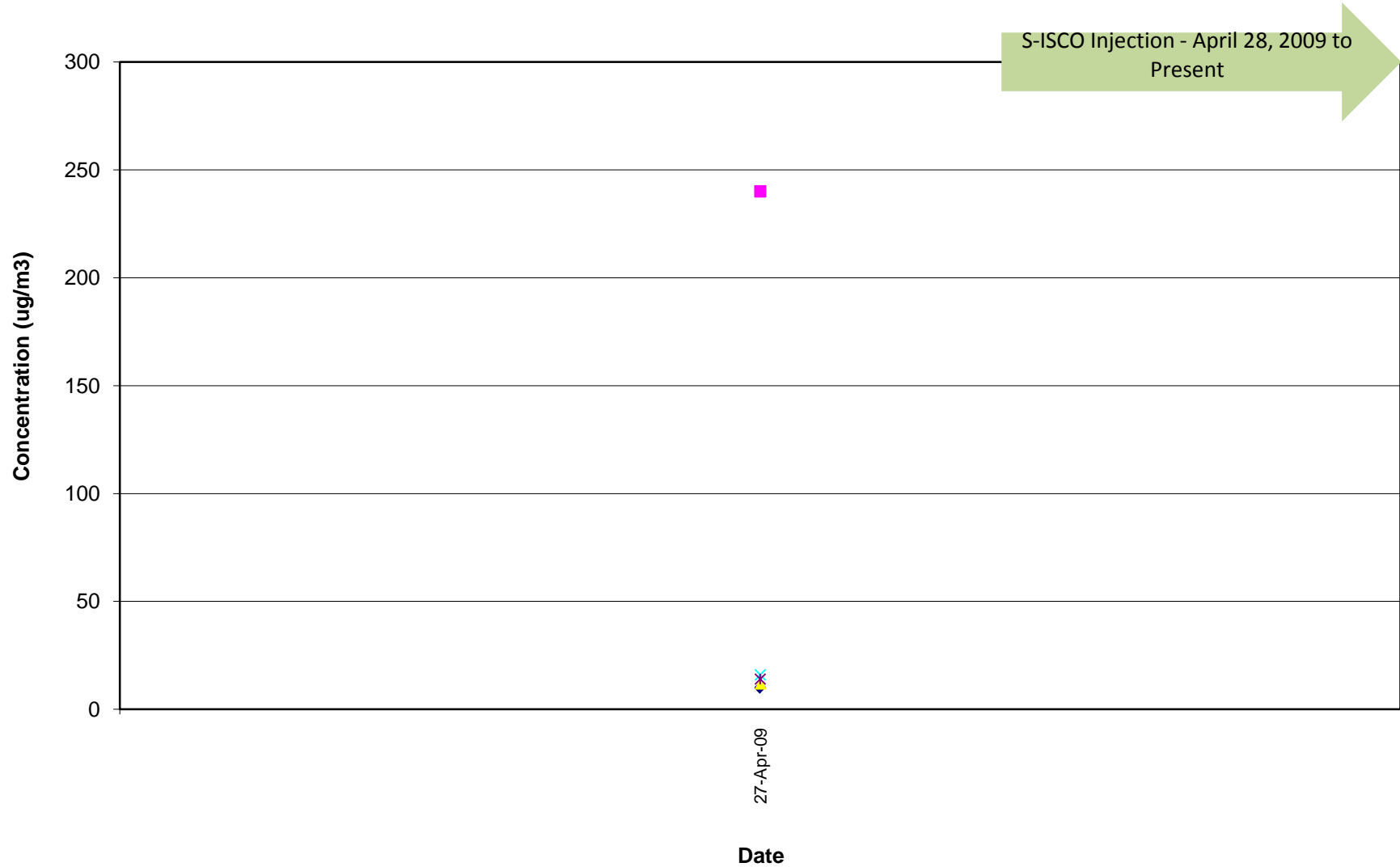
Appendix D
Soil Vapor Analytical Results
Operable Unit No.3
Bay Shore/Brightwaters Former MGP Site
OU4SV7

S-ISCO Injection - April 28, 2009 to Present



Benzene	Toluene	Ethylbenzene	Xylene, m,p-	Xylene, o-	Acetaldehyde
Acetone	Acrolein (propenal)	Allyl chloride	Benzothiophene	Bromodichloromethane	Bromoform
Bromomethane	Butadiene, 1,3-	Butane	Butanone, 2-	Carbon disulfide	Carbon tetrachloride
Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Chlorotoluene, 2-	Cryofluorane
Cyclohexane	Decane, n-	Dibromochloromethane	Dibromoethane, 1,2-	Dichlorobenzene, 1,2-	Dichlorobenzene, 1,3-
Dichlorobenzene, 1,4-	Dichlorodifluoromethane	Dichloroethane, 1,1-	Dichloroethane, 1,2-	Dichloroethane, 1,1-	Dichloroethane, cis-1,2-
Dichloropropane, 1,2-	Dichloropropene, cis-1,3	Dichloropropene, trans-1,3	Dioxane, 1,4-	Dodecane, n-	Ethanol
Ethylthiophene, 2-	Ethyltoluene, p-	Heptane, n-	Hexachlorobutadiene	Hexane, n-	Hexanone, 2-
Hydrogen sulfide	Indan	Indene	Isopropyl benzene	Methyl tert-butyl ether	Methyl-2-pentanone, 4-
Methylene chloride	Methylnaphthalene, 1-	Methylnaphthalene, 2-	Methylthiophene, 2-	Methylthiophene, 3-	Naphthalene
Nonane	Octane, n-	Pentane	Propanol, 2-	Propylbenzene, n-	Styrene
t-Butyl alcohol	Tetrachloroethane, 1,1,2,2-	Tetrachloroethene	Tetrahydrofuran	Tetramethylbenzene, 1,2,4,5-	Thiophene
Trans-1,2-dichloroethene	Trichloro-1,2,2-trifluoroethane, 1,1,2-	Trichlorobenzene, 1,2,4-	Trichloroethane, 1,1,1-	Trichloroethane, 1,1,2-	Trichloroethene
Trichlorofluoromethane	Trimethylbenzene, 1,2,3-	Trimethylbenzene, 1,2,4-	Trimethylbenzene, 1,3,5-	Trimethylpentane, 2,2,4-	Undecane, n-
Vinyl bromide	Vinyl chloride				

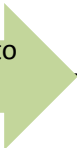
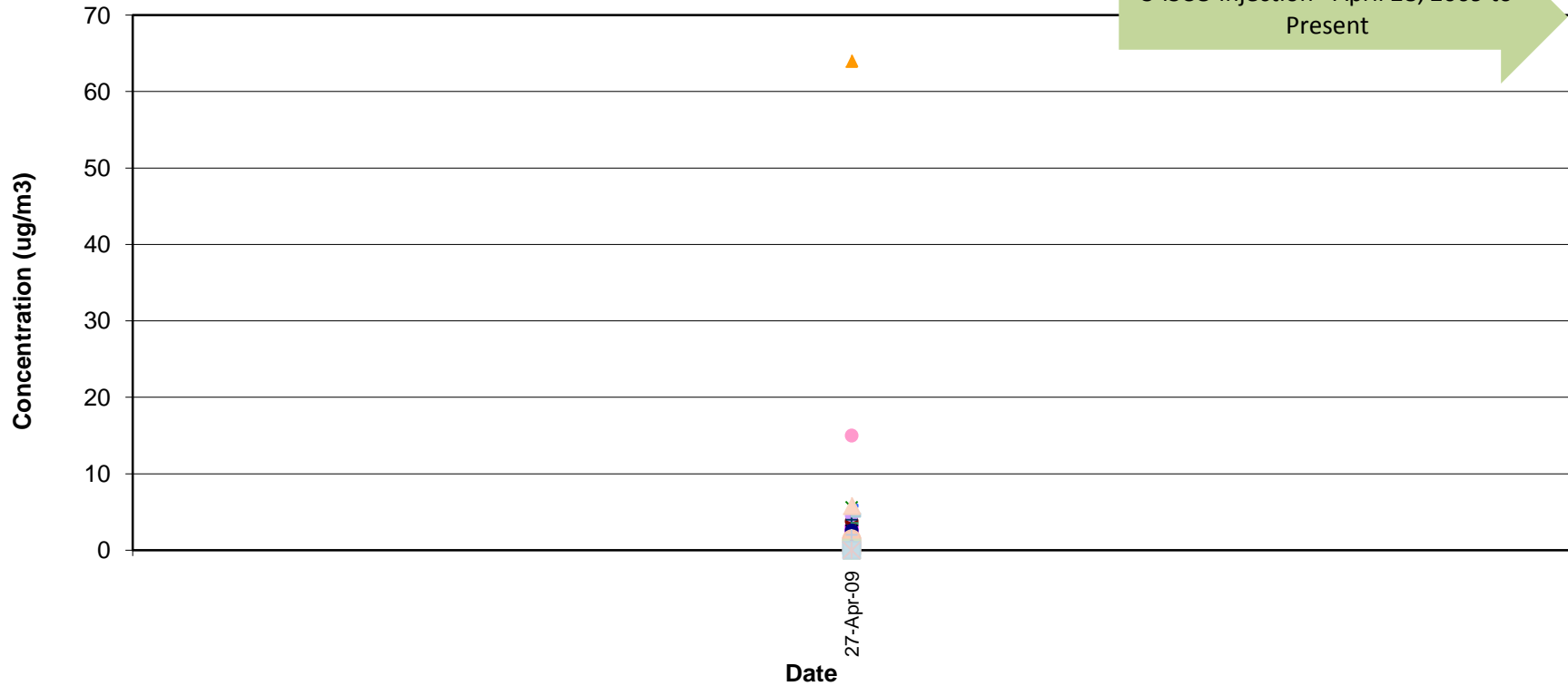
Appendix D
Soil Vapor Analytical Results
Operable Unit No.3
Bay Shore/Brightwaters Former MGP Site
OU4SV7 BTEX



◆ Benzene ■ Toluene ▲ Ethylbenzene ✕ Xylene, m,p ✱ Xylene, o

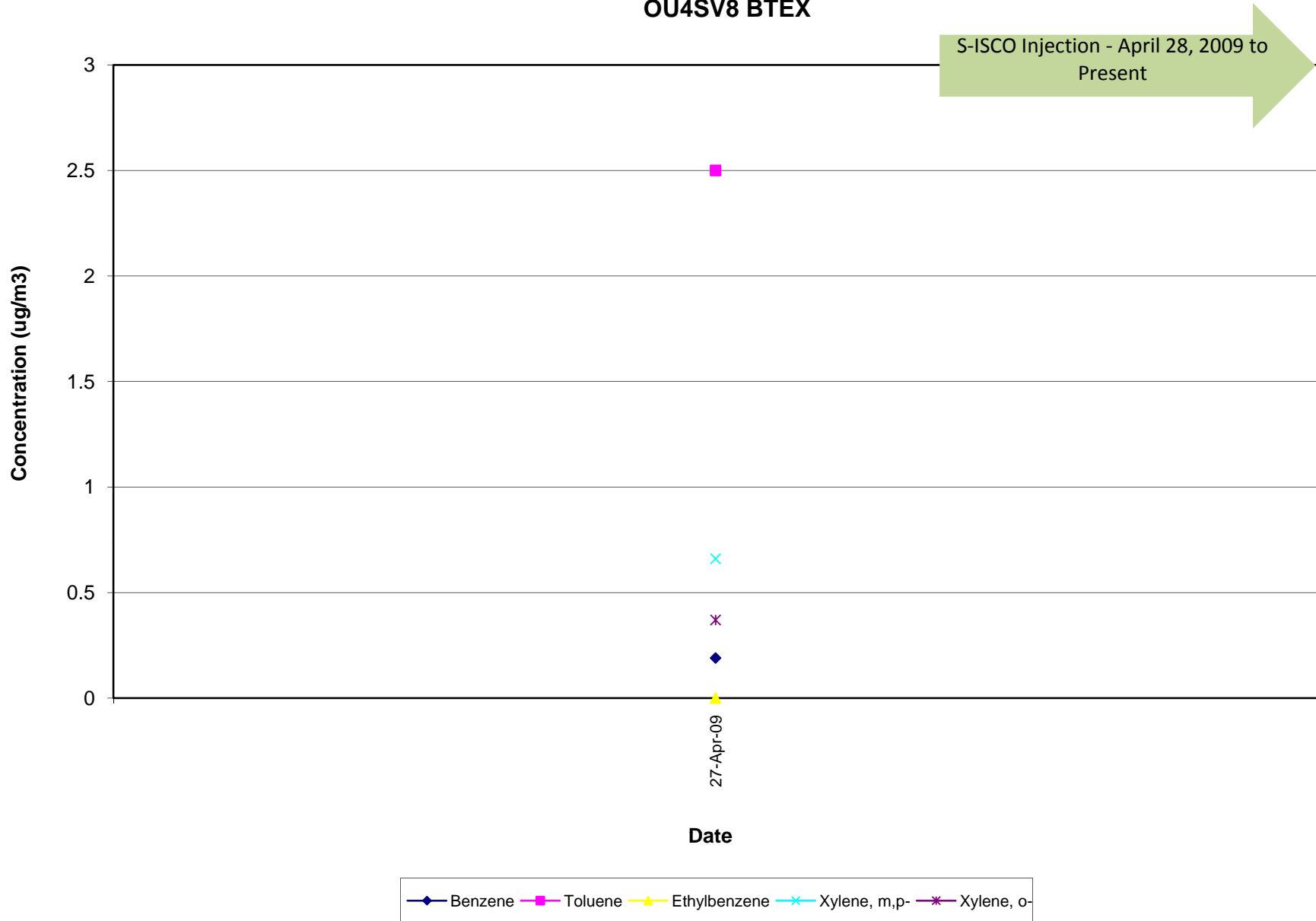
Appendix D
Soil Vapor Analytical Results
Operable Unit No.3
Bay Shore/Brightwaters Former MGP Site
OU4SV8

S-ISCO Injection - April 28, 2009 to Present

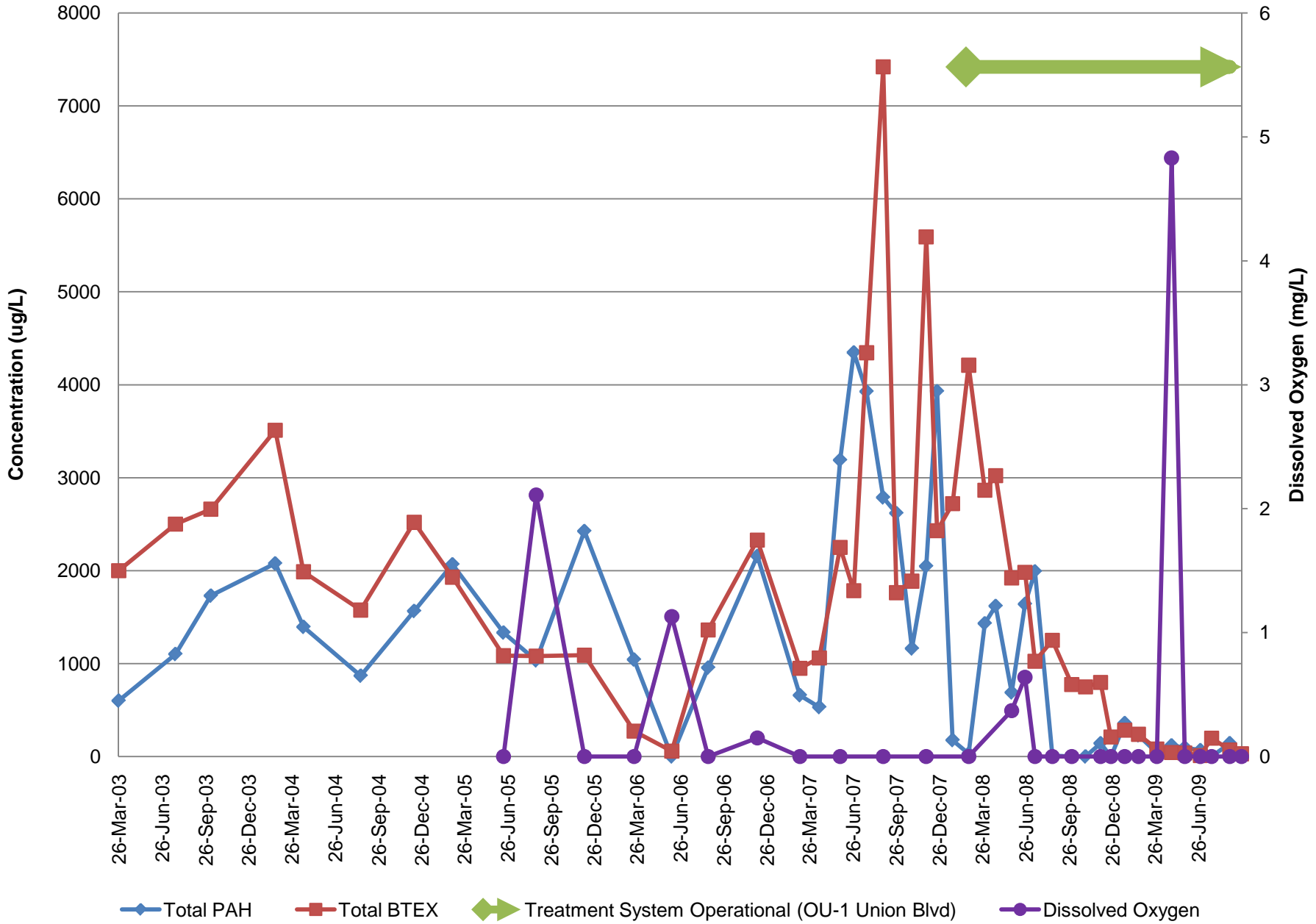



Benzene	Toluene	Ethylbenzene	Xylene, m,p-	Xylene, o-	Acetaldehyde
Acetone	Acrolein (propenal)	Allyl chloride	Benzothiophene	Bromodichloromethane	Bromoform
Bromomethane	Butadiene, 1,3-	Butane	Butanone, 2-	Carbon disulfide	Carbon tetrachloride
Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Chlorotoluene, 2-	Cryofluorane
Cyclohexane	Decane, n-	Dibromochloromethane	Dibromoethane, 1,2-	Dichlorobenzene, 1,2-	Dichlorobenzene, 1,3-
Dichlorobenzene, 1,4-	Dichlorodifluoromethane	Dichloroethane, 1,1-	Dichloroethane, 1,2-	Dichloroethene, 1,1-	Dichloroethene, cis-1,2-
Dichloropropane, 1,2-	Dichloropropene, cis-1,3	Dichloropropene, trans-1,3	Dioxane, 1,4-	Dodecane, n-	Ethanol
Ethylthiophene, 2-	Ethyltoluene, p-	Heptane, n-	Hexachlorobutadiene	Hexane, n-	Hexanone, 2-
Hydrogen sulfide	Indan	Indene	Isopropyl benzene	Methyl tert-butyl ether	Methyl-2-pentanone, 4-
Methylene chloride	Methylnaphthalene, 1-	Methylnaphthalene, 2-	Methylthiophene, 2-	Methylthiophene, 3-	Naphthalene
Nonane	Octane, n-	Pentane	Propanol, 2-	Propylbenzene, n-	Styrene
t-Butyl alcohol	Tetrachloroethane, 1,1,2,2-	Tetrachloroethene	Tetrahydrofuran	Tetramethylbenzene, 1,2,4,5-	Thiophene
Trans-1,2-dichloroethene	Trichloro-1,2,2-trifluoroethane, 1,1,2-	Trichlorobenzene, 1,2,4-	Trichloroethane, 1,1,1-	Trichloroethane, 1,1,2-	Trichloroethene
Trichlorofluoromethane	Trimethylbenzene, 1,2,3-	Trimethylbenzene, 1,2,4-	Trimethylbenzene, 1,3,5-	Trimethylpentane, 2,2,4-	Undecane, n-
Vinyl bromide	Vinyl chloride				

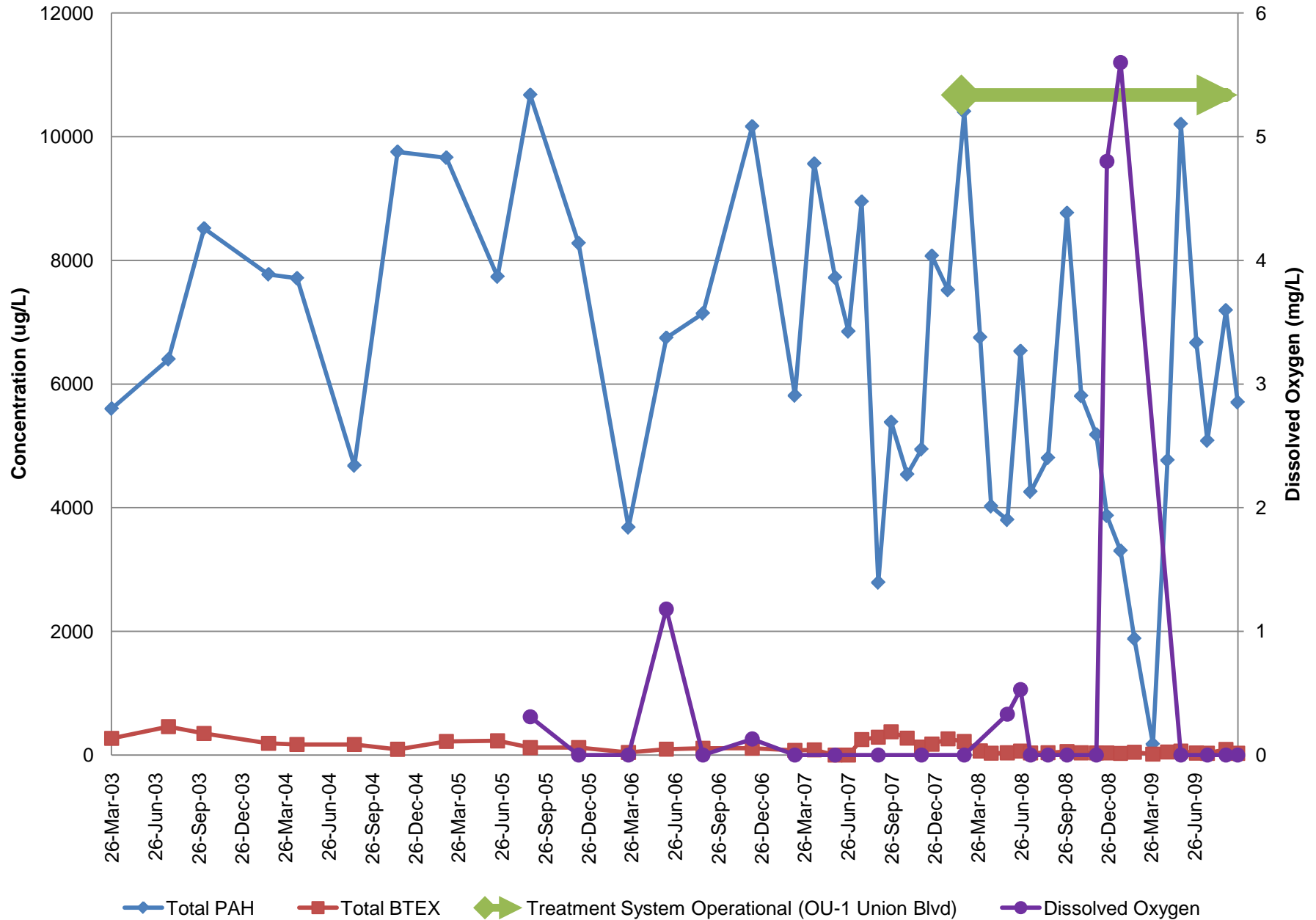
Appendix D
Soil Vapor Analytical Results
Operable Unit No.3
Bay Shore/Brightwaters Former MGP Site
OU4SV8 BTEX



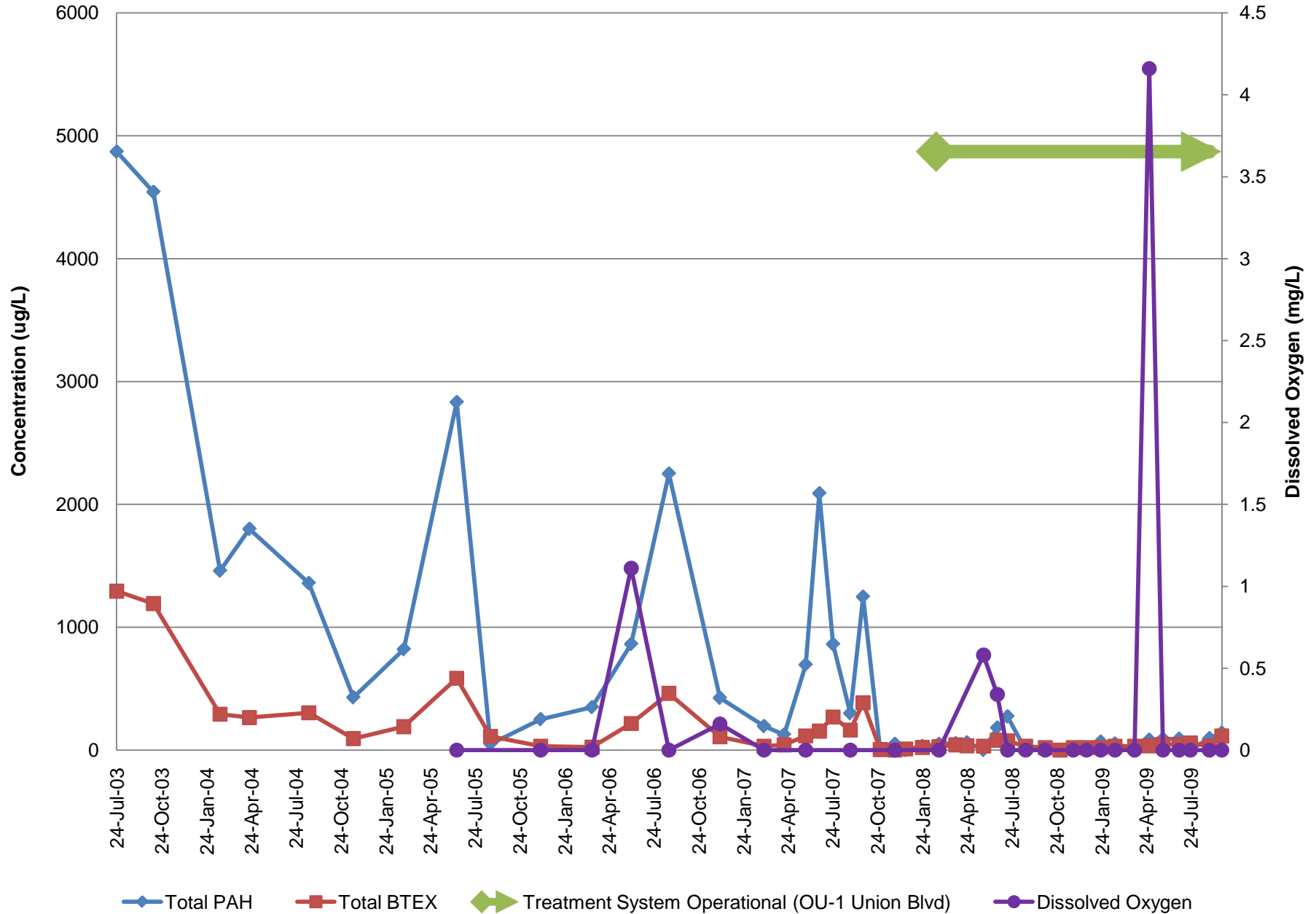
Monitoring Well BMW-01S 5-15 ft bgs



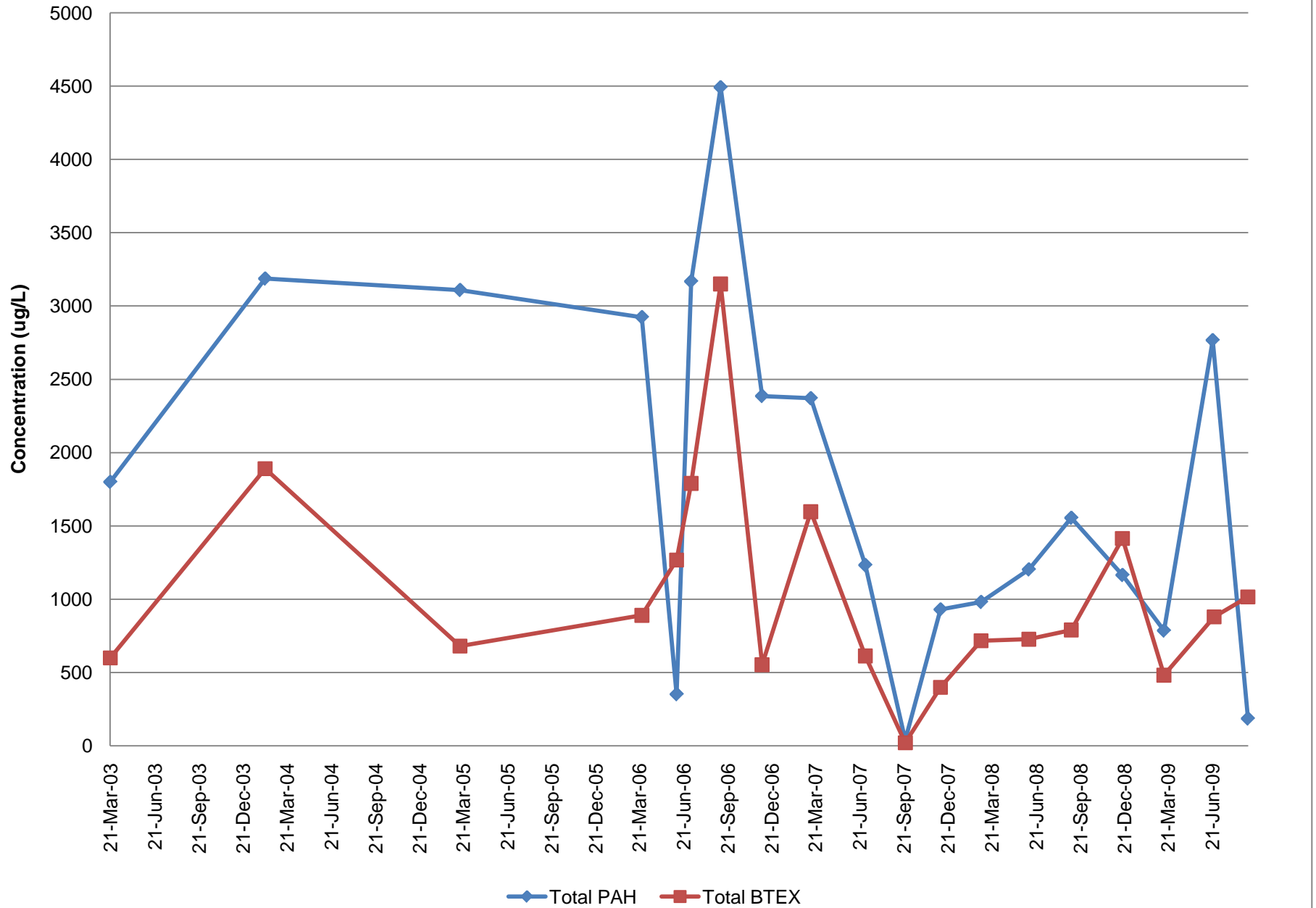
Monitoring Well BMW-01I 32-42 ft bgs



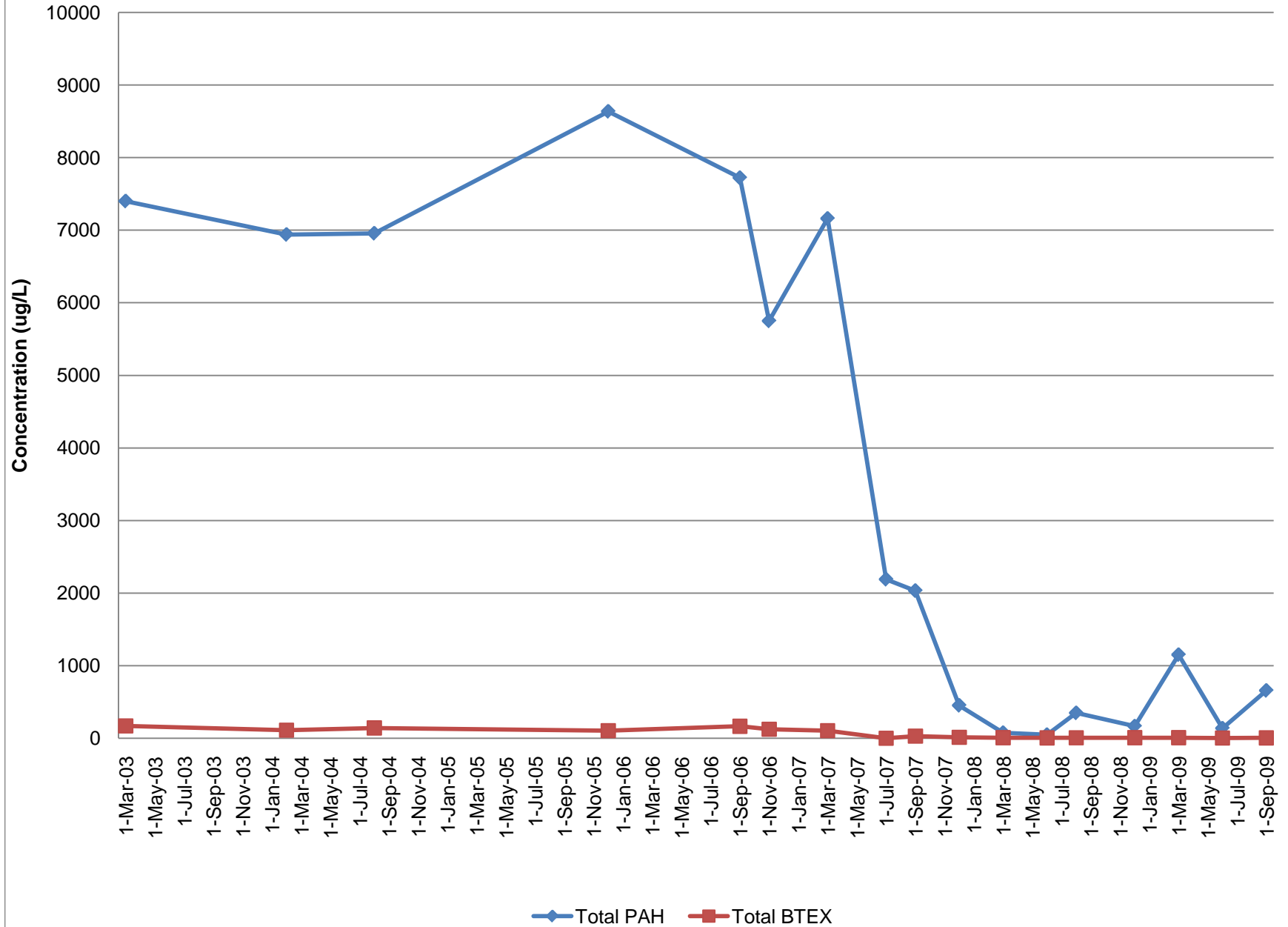
Monitoring Well BMW-01D 68.5-78.5 ft bgs



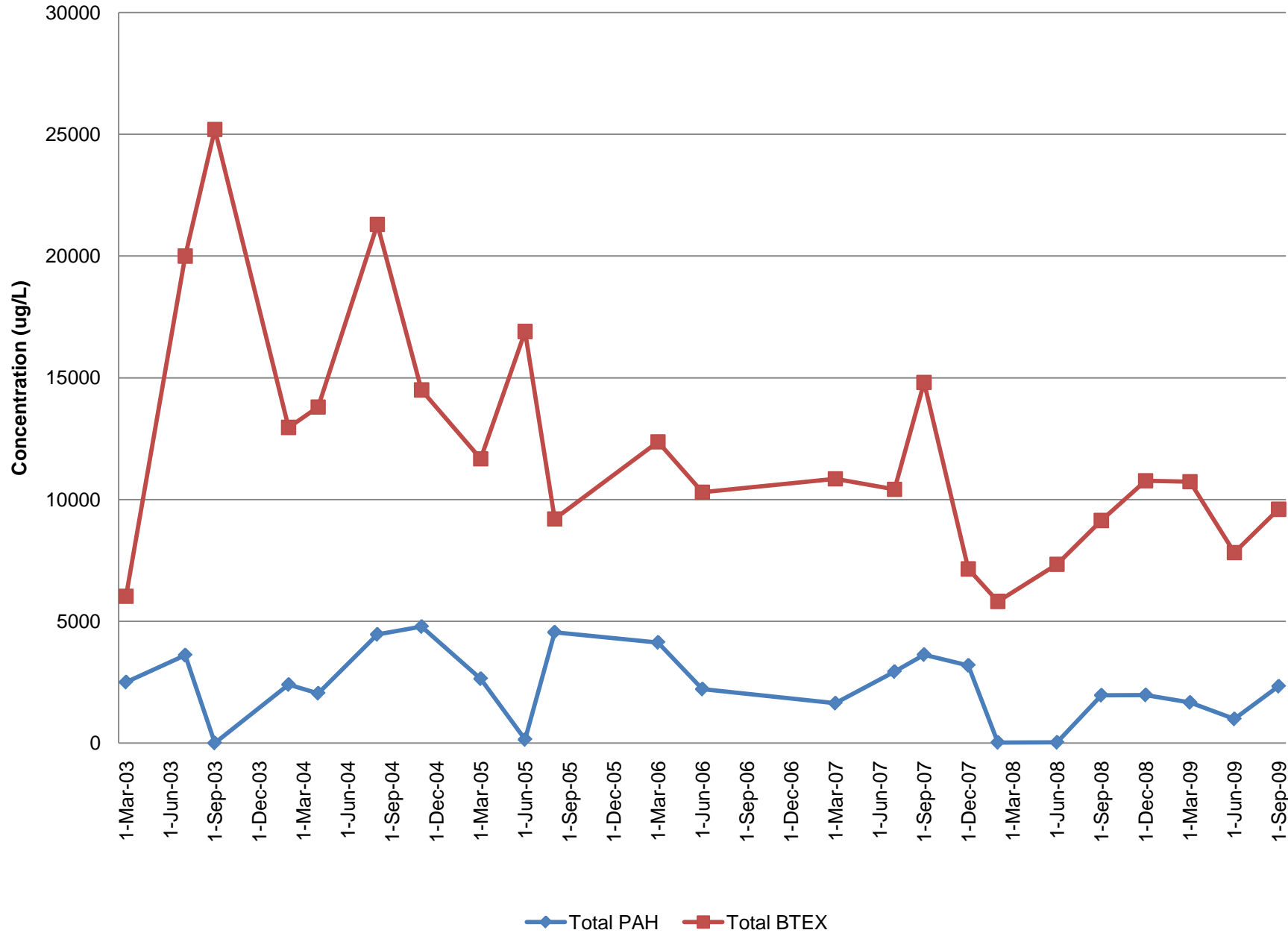
Monitoring Well BMW-05D 64-74 ft bgs



Monitoring Well BMW-20I 35-45 ft bgs

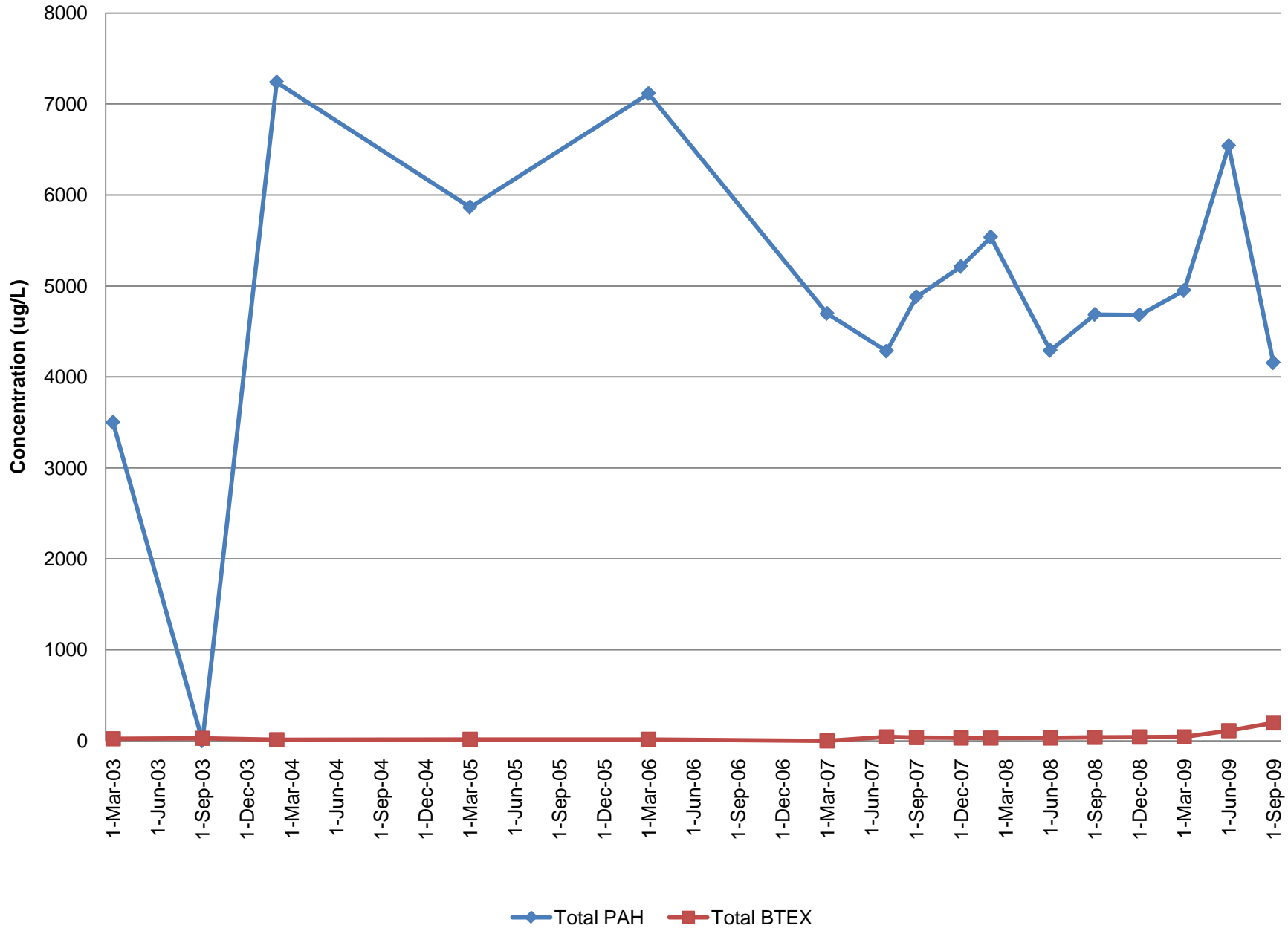


Monitoring Well BMW-22S 5-10 ft bgs

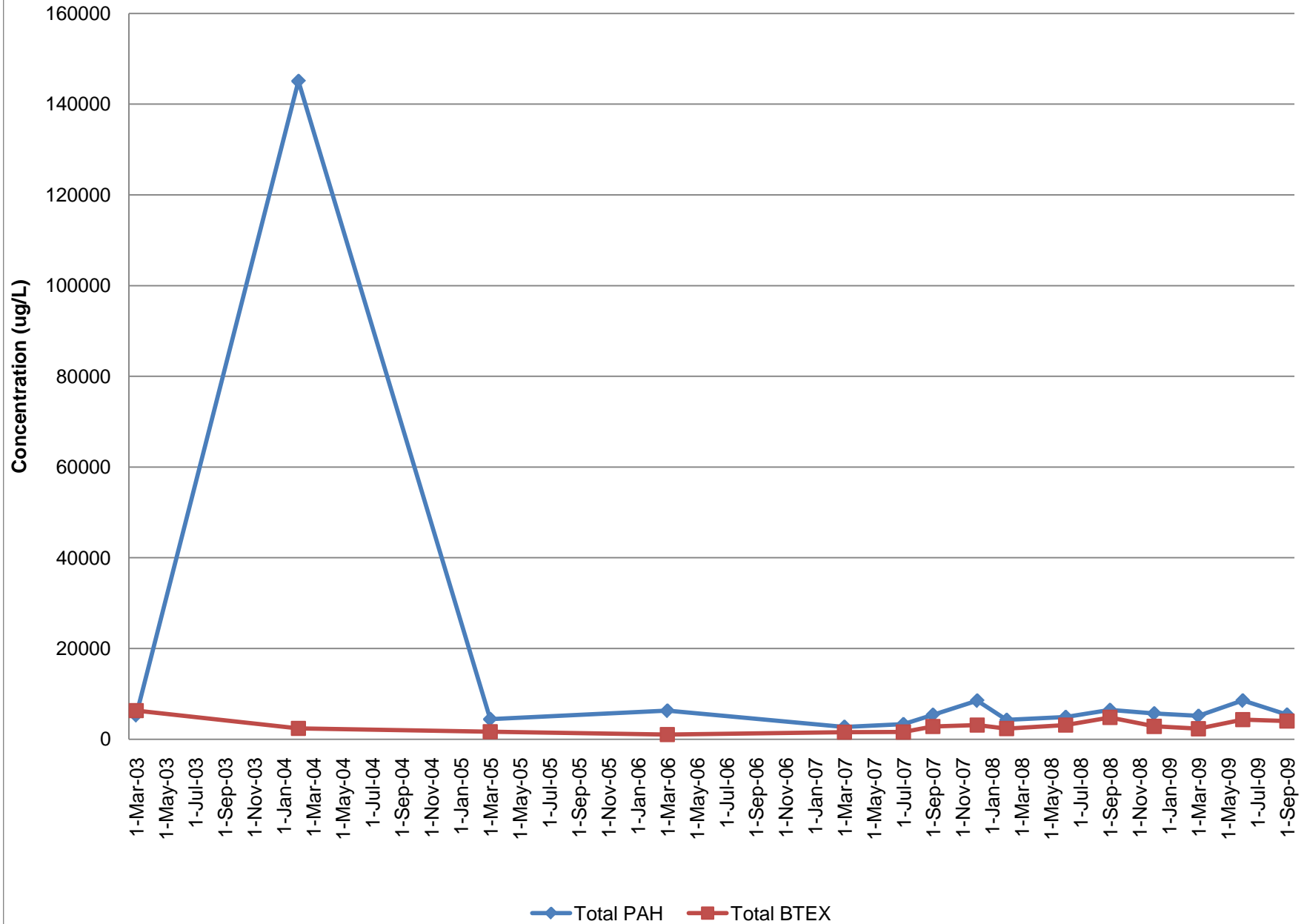


Monitoring Well BMW-22I

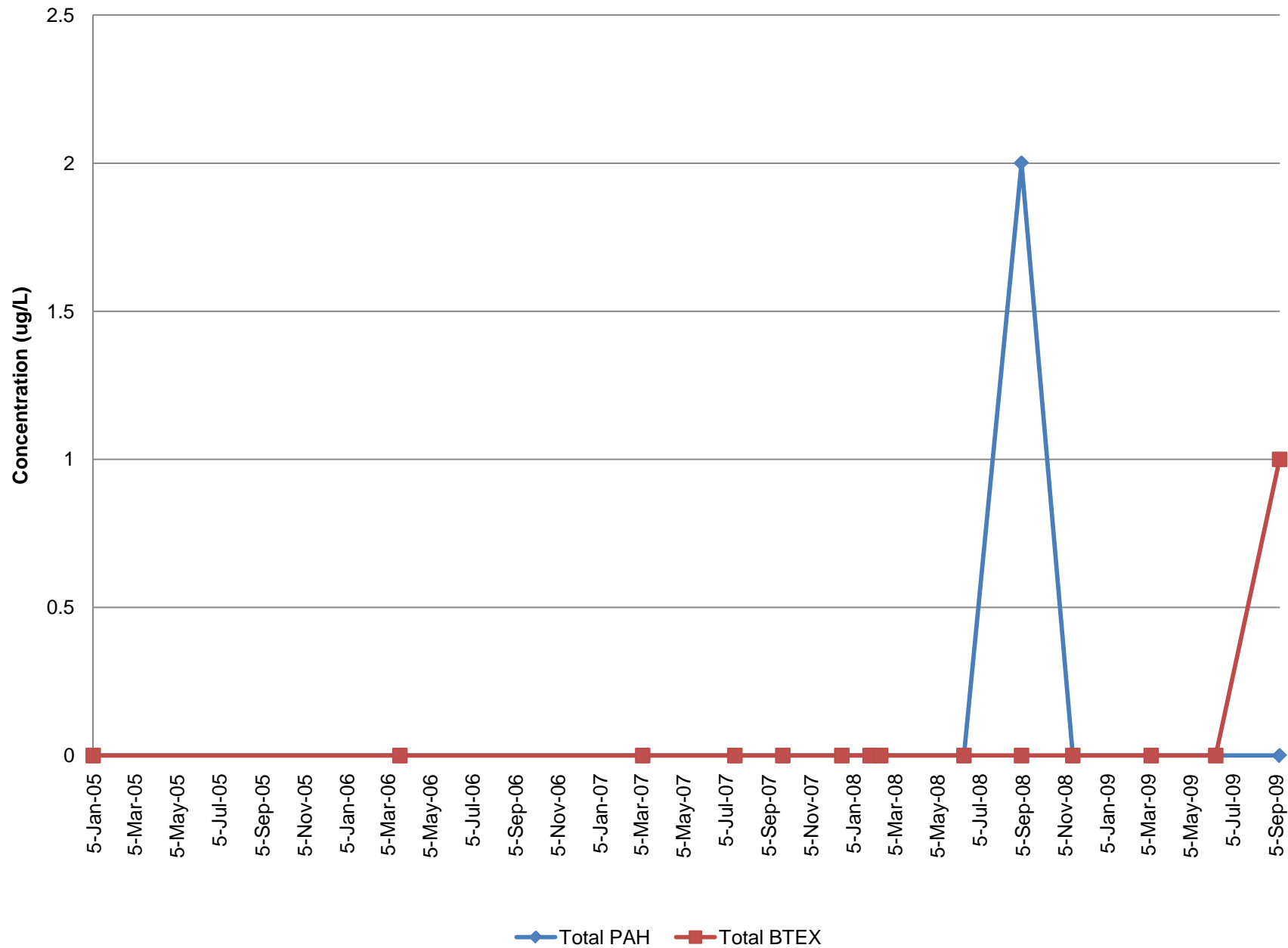
30-40 ft bgs



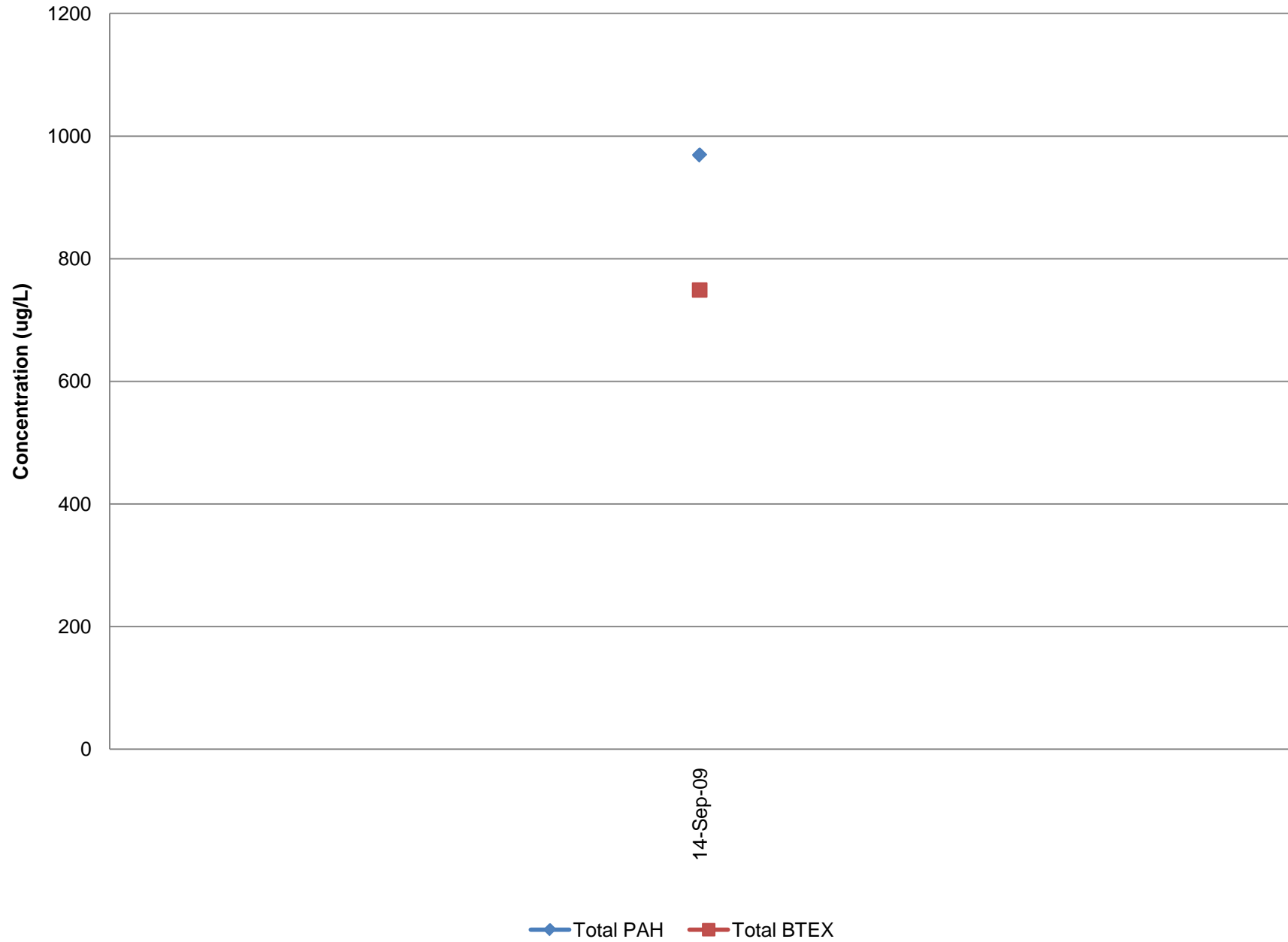
Monitoring Well BMW-22D 64-74 ft bgs



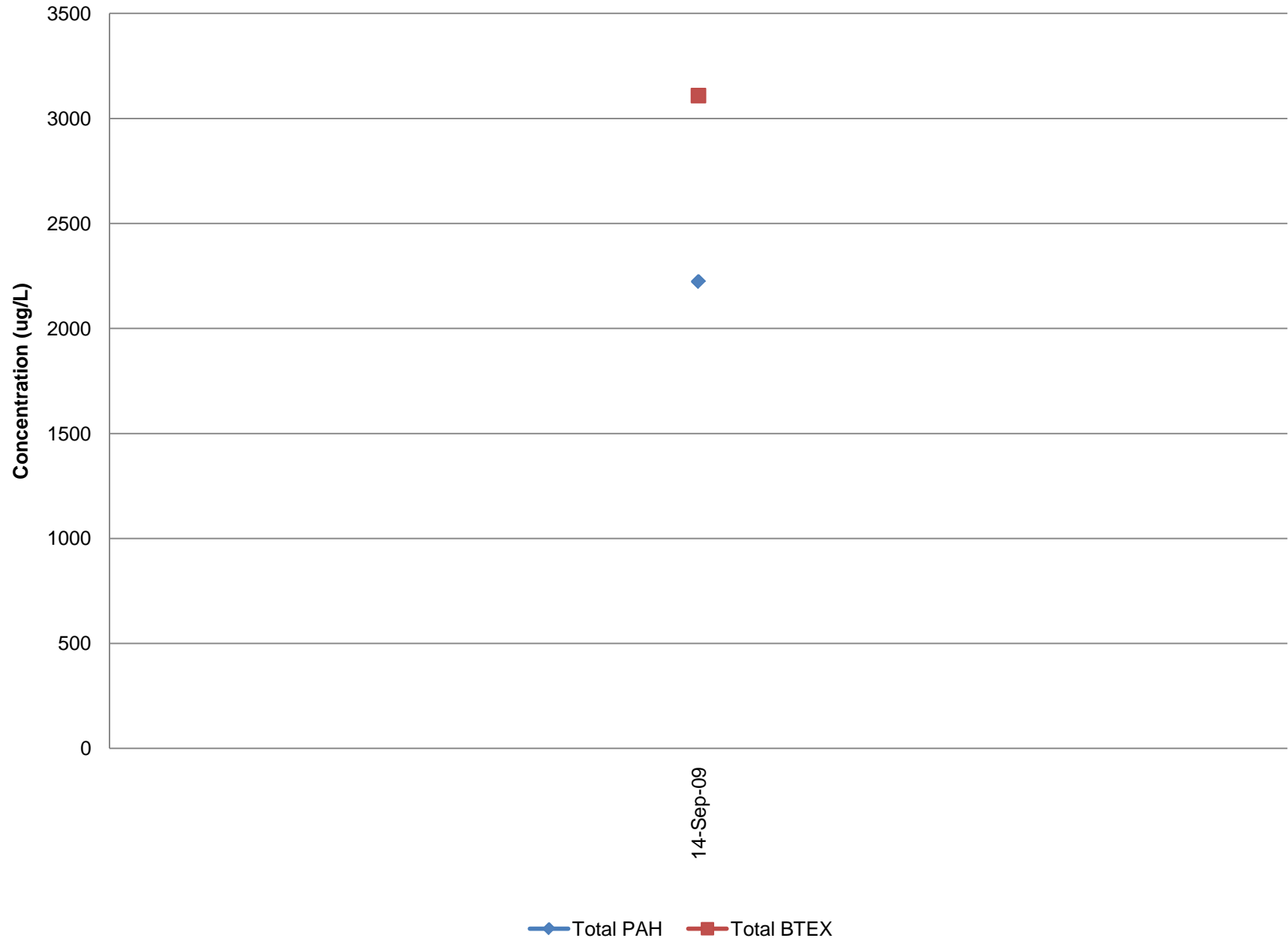
Monitoring Well BMW-27S 5-15 ft bgs



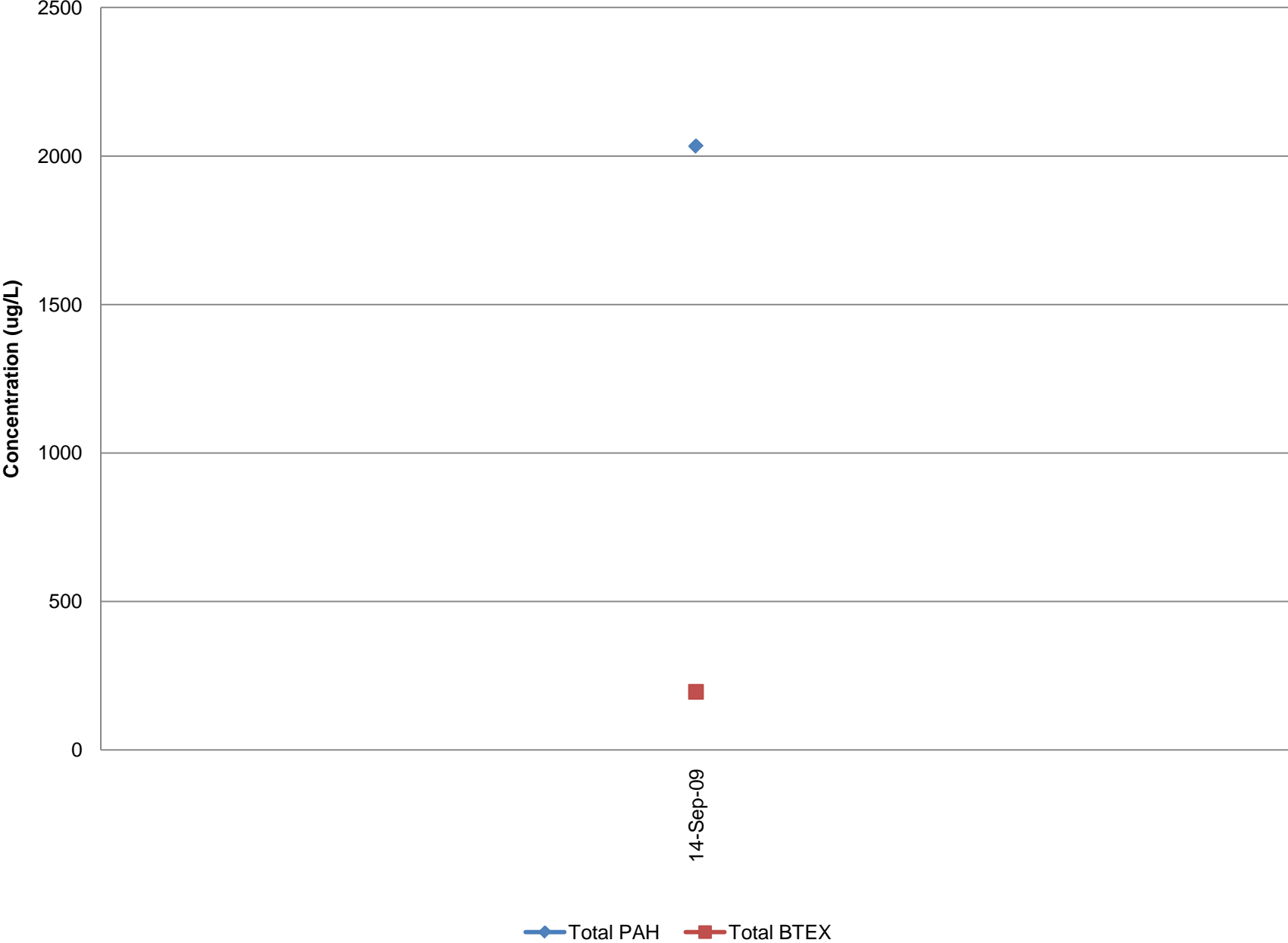
Monitoring Well BMW-34S 5-15 ft bgs



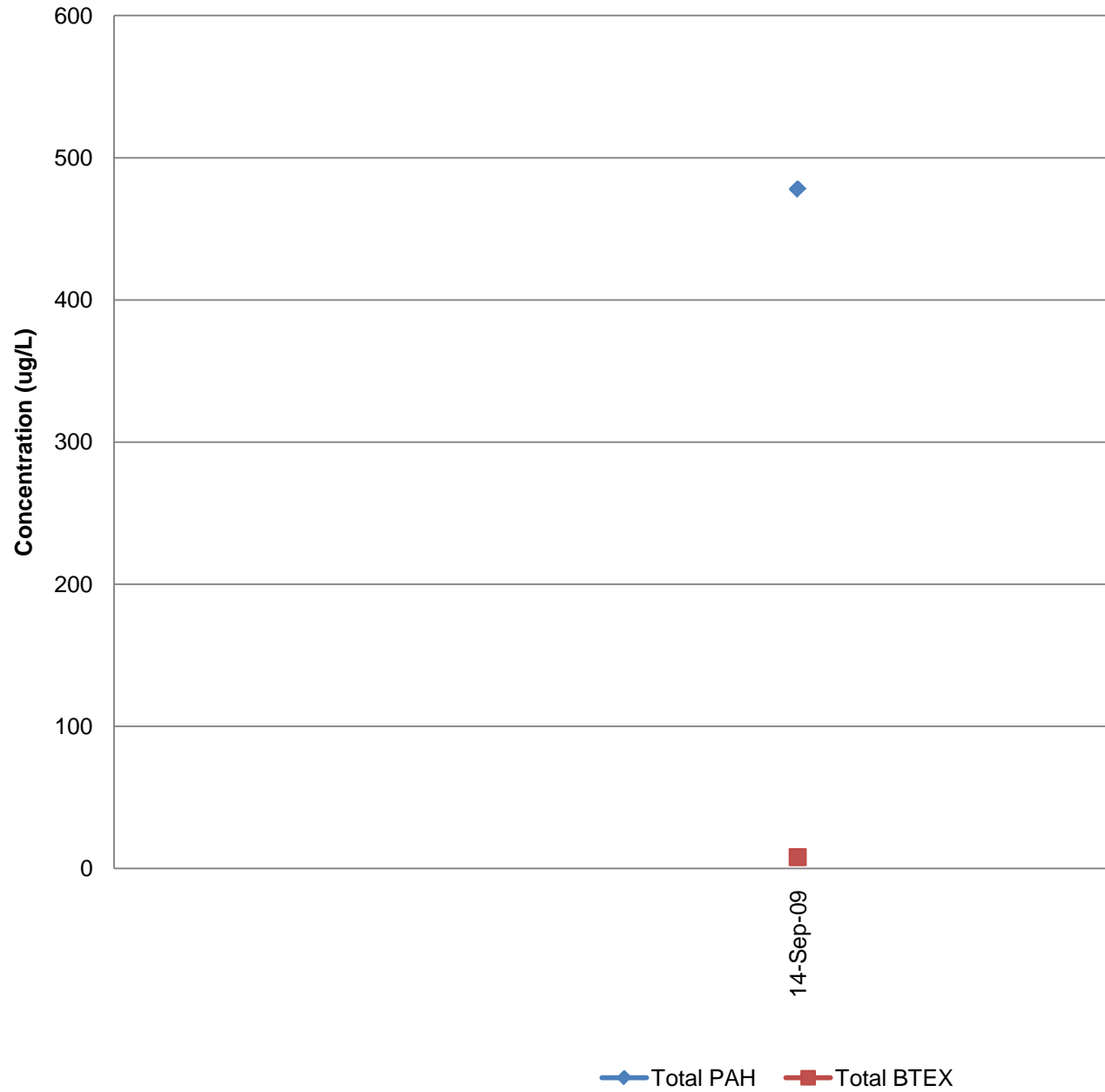
Monitoring Well BMW-34I 25-30 ft bgs



Monitoring Well BMW-34I2 40-45 ft bgs

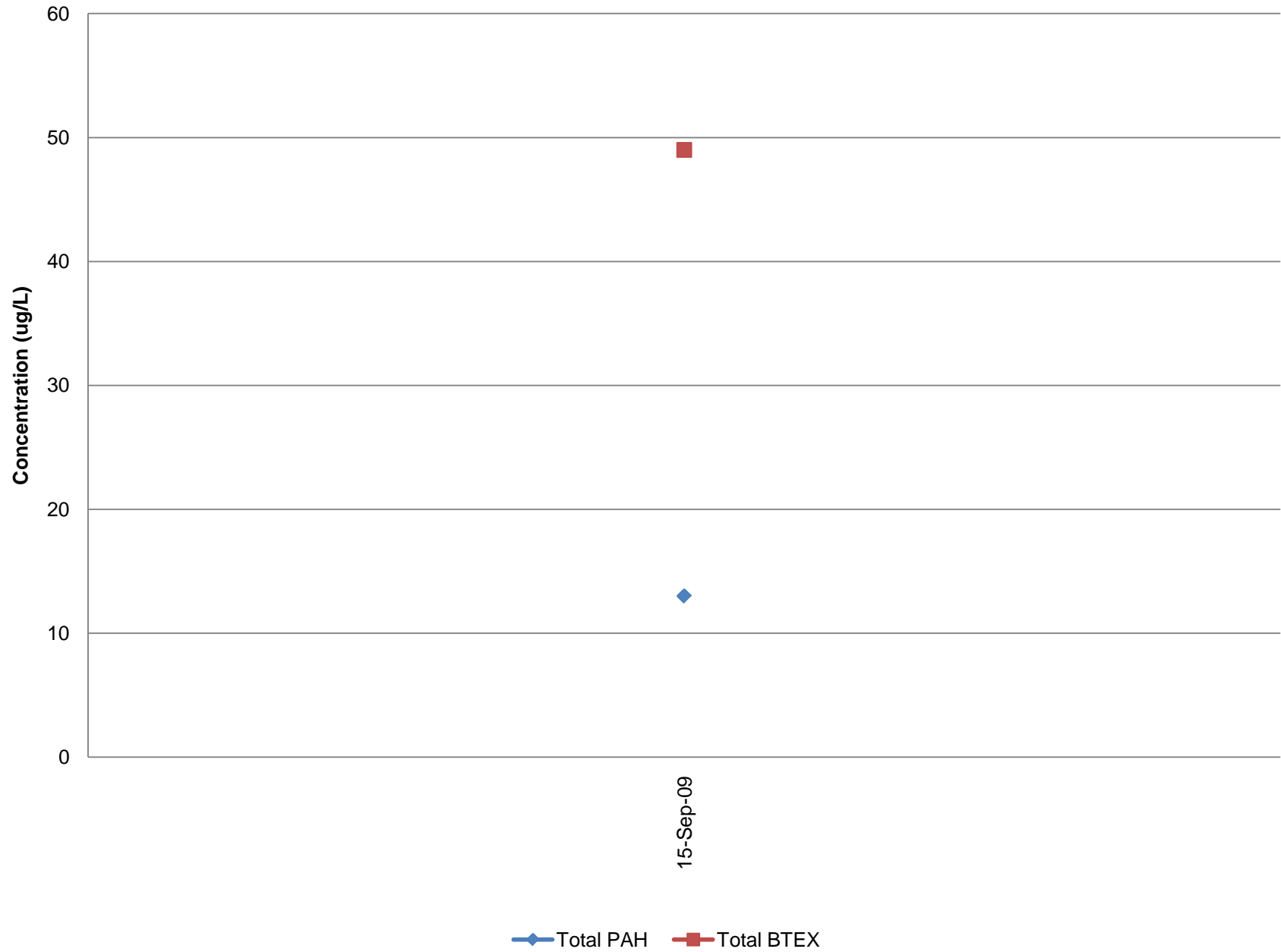


Monitoring Well BMW-34D 65-70 ft bgs

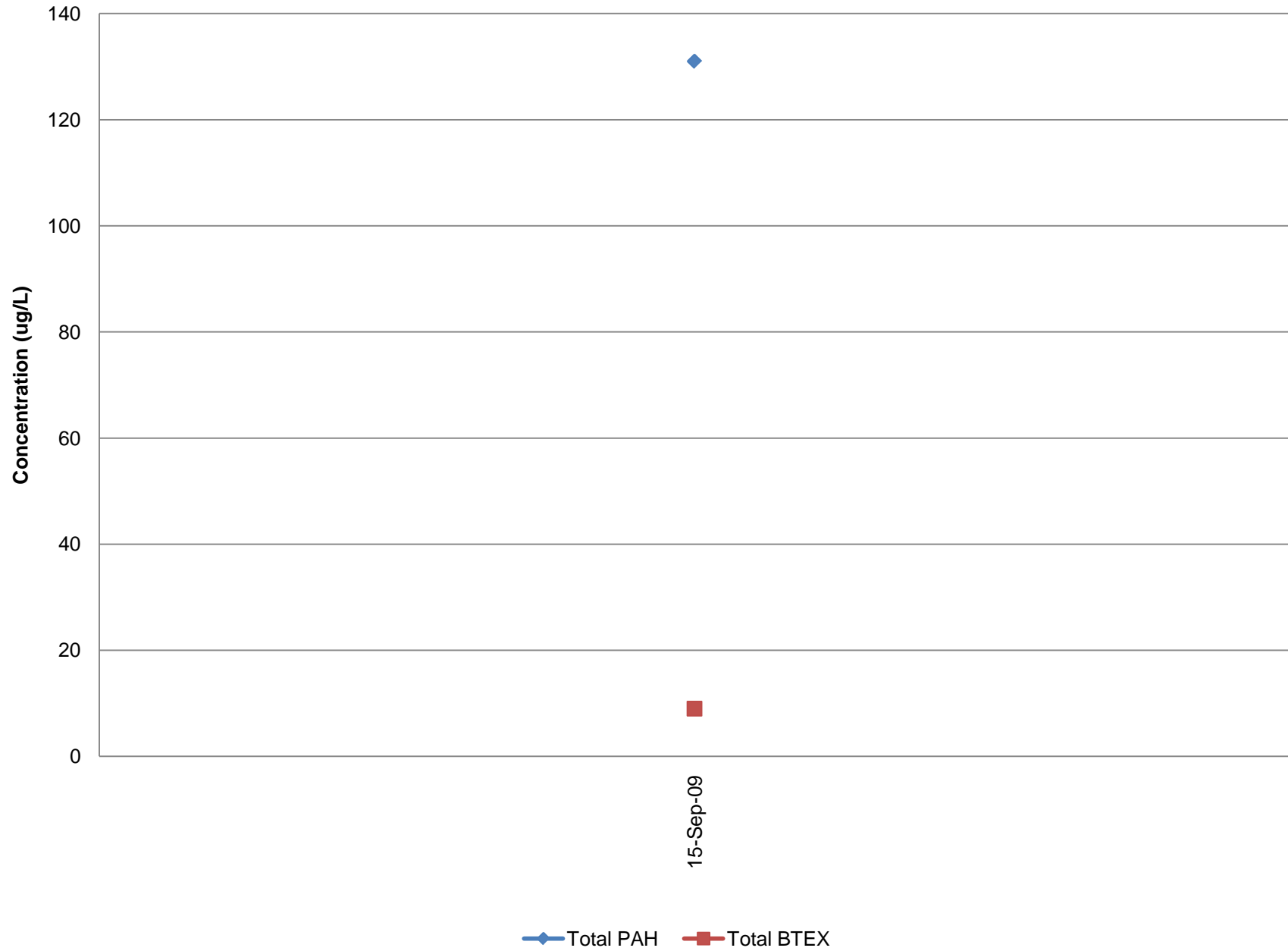


Monitoring Well BMW-38S

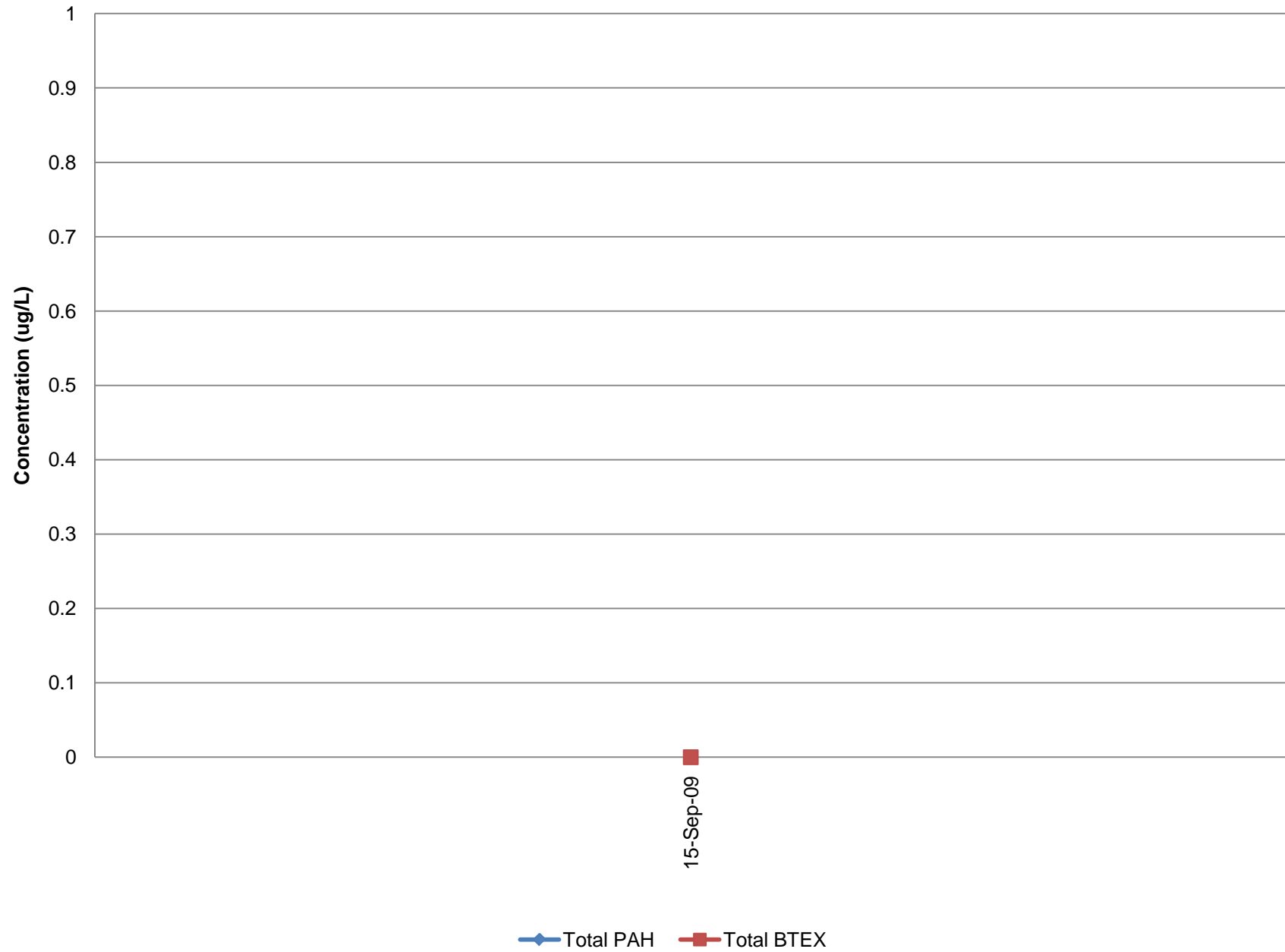
5-15 ft bgs



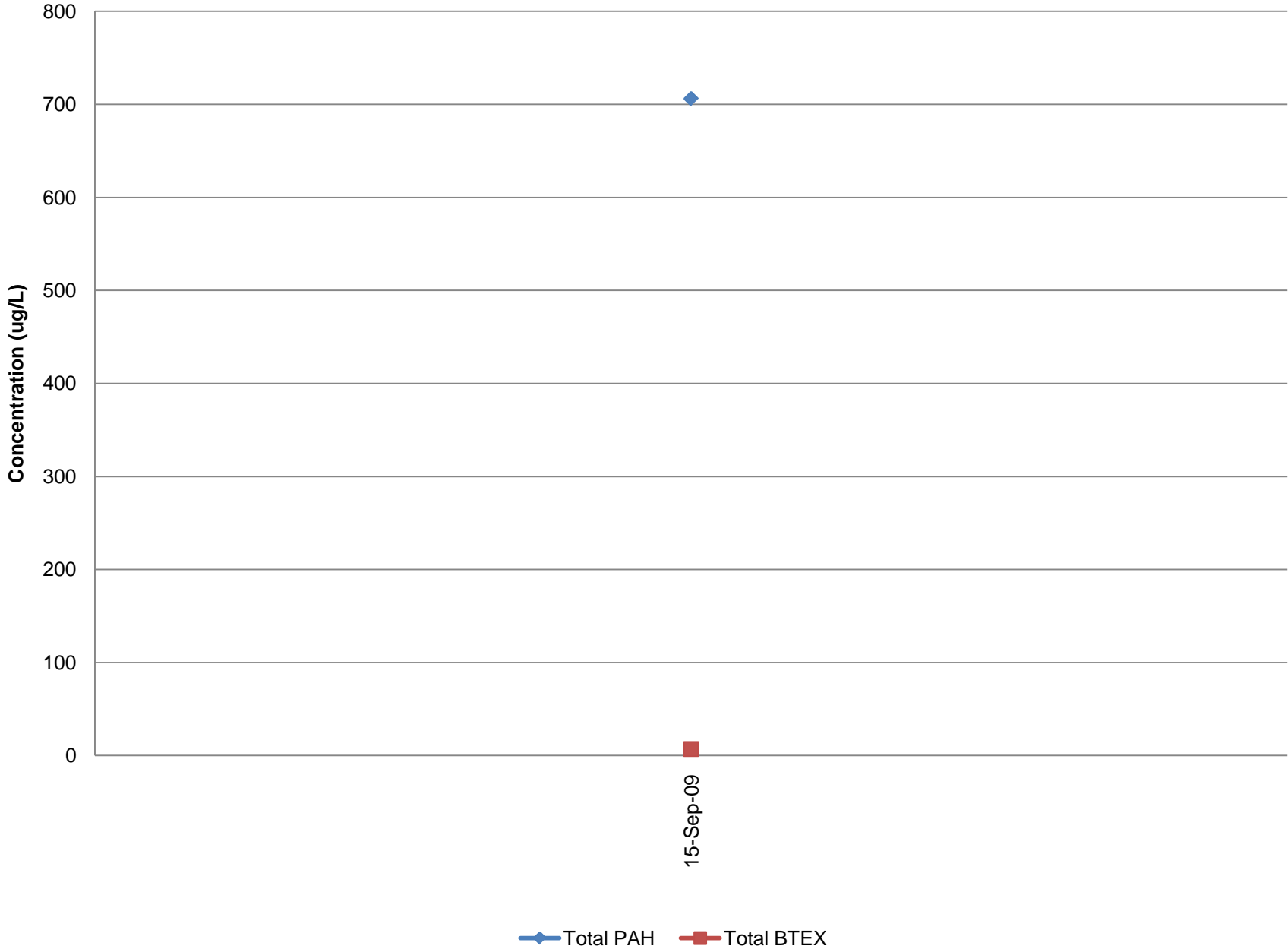
Monitoring Well BMW-38I 25-30 ft bgs



Monitoring Well BMW-38D 65-70 ft bgs

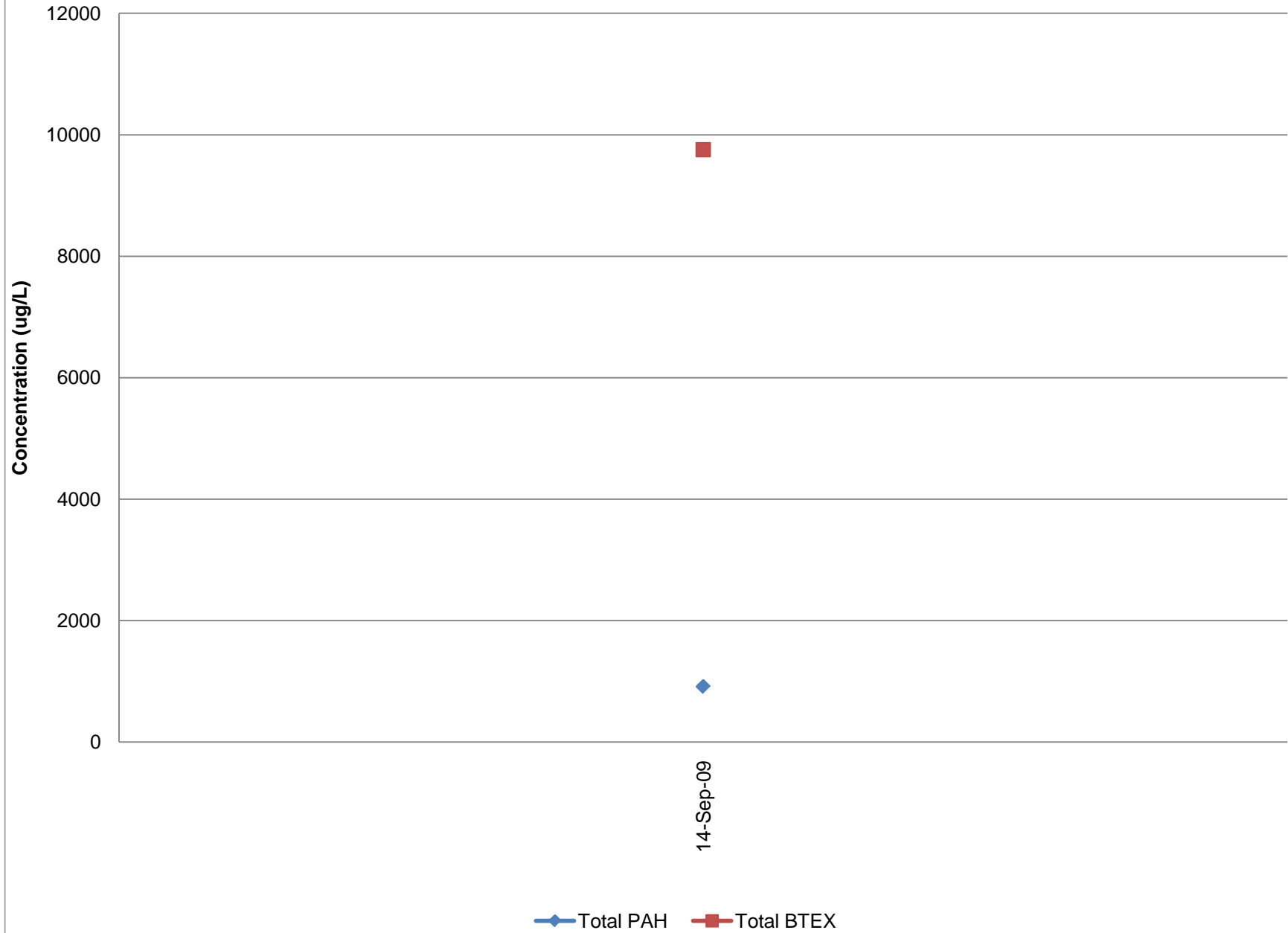


Monitoring Well BMW-38I2 40-45 ft bgs

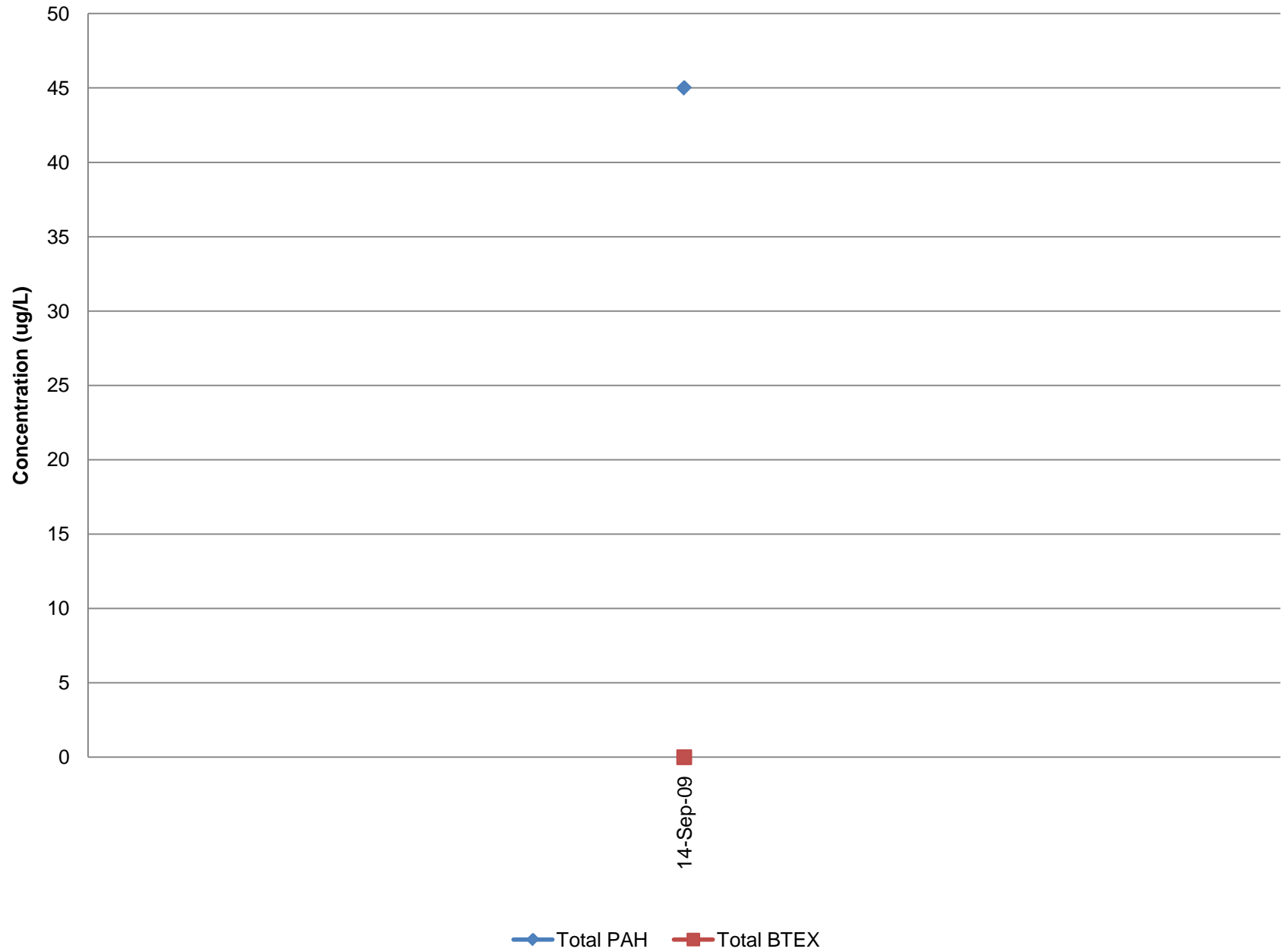


Monitoring Well BMW-39S

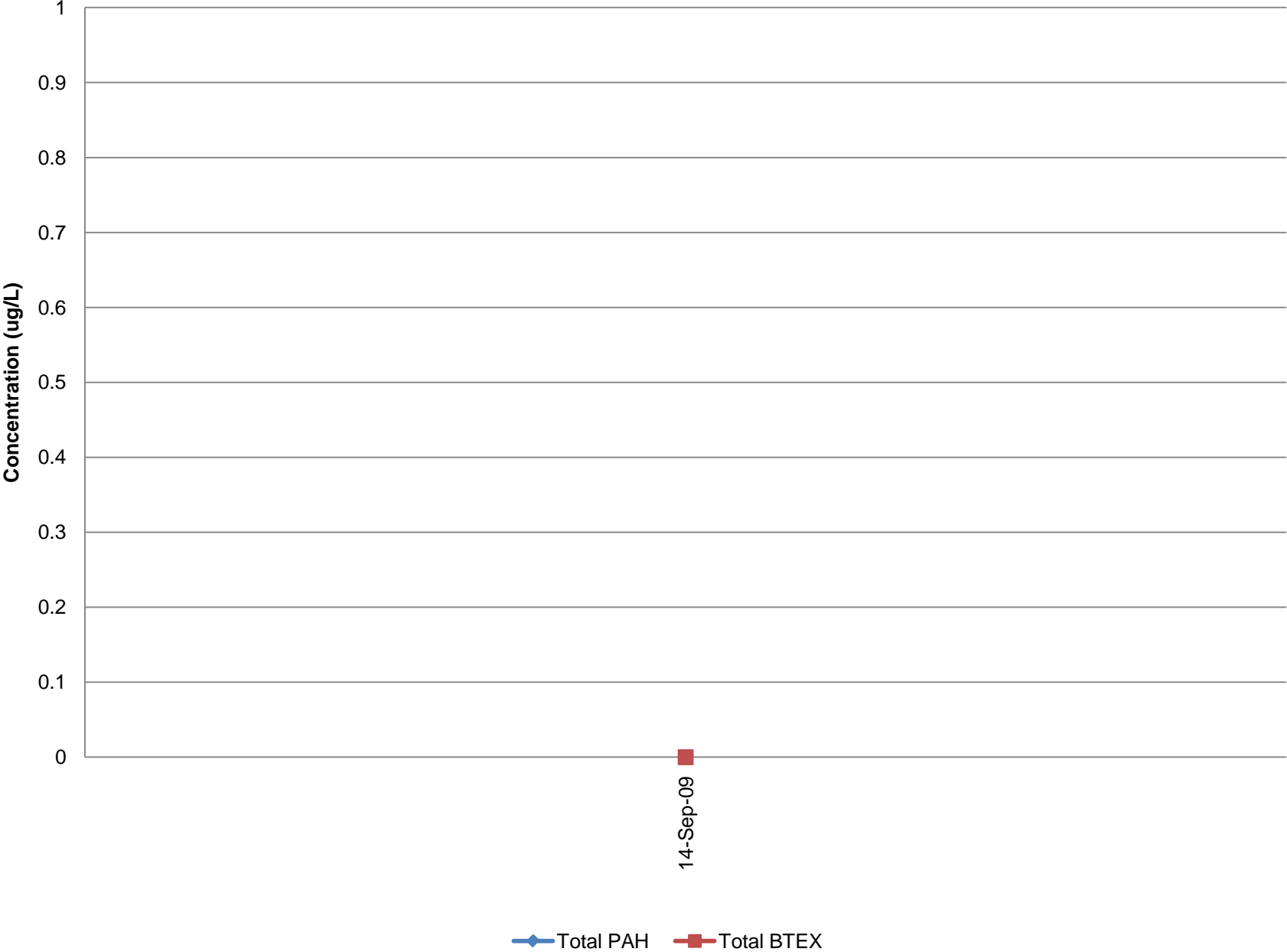
5-15 ft bgs



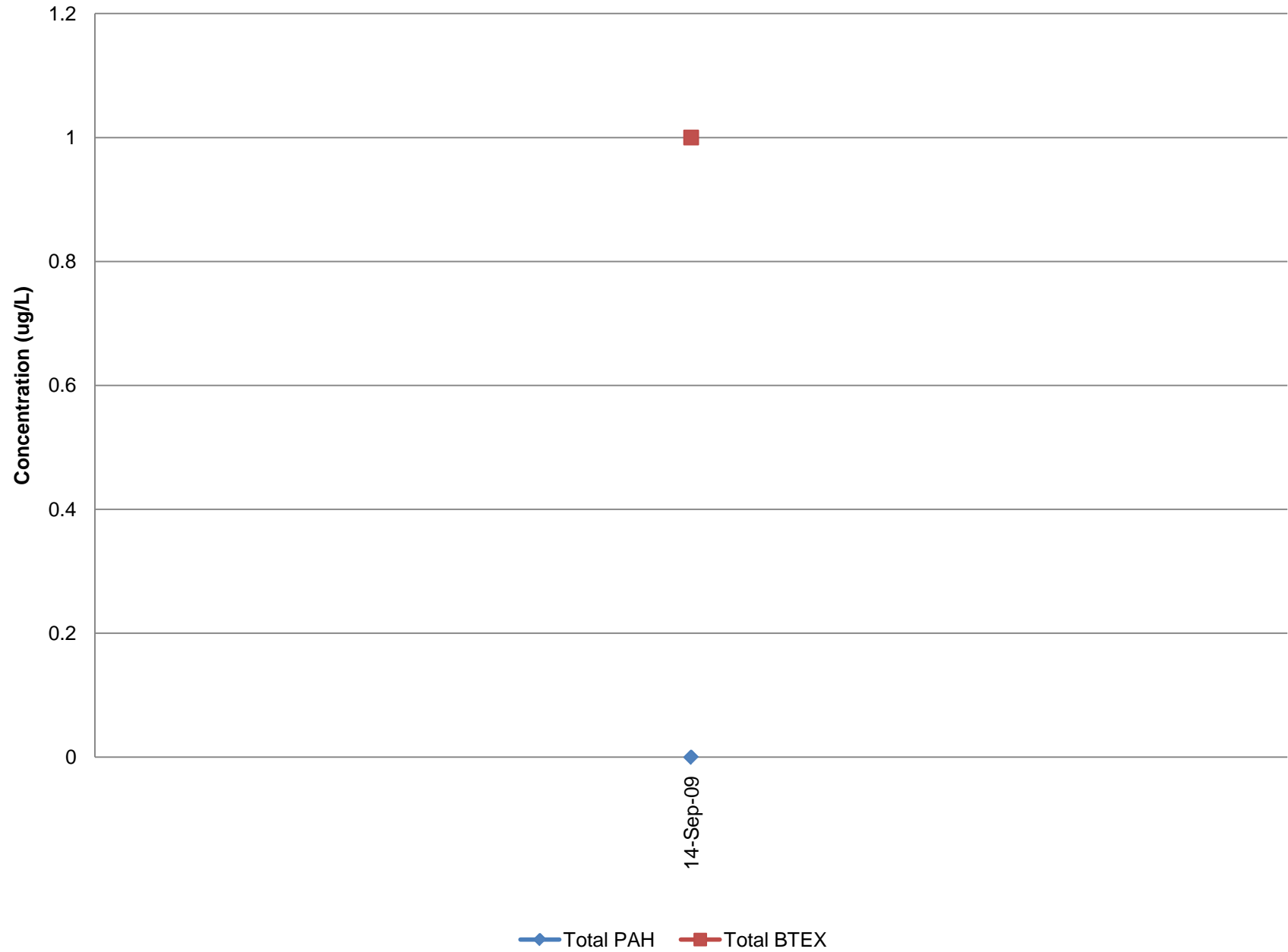
Monitoring Well BMW-39I 25-30 ft bgs



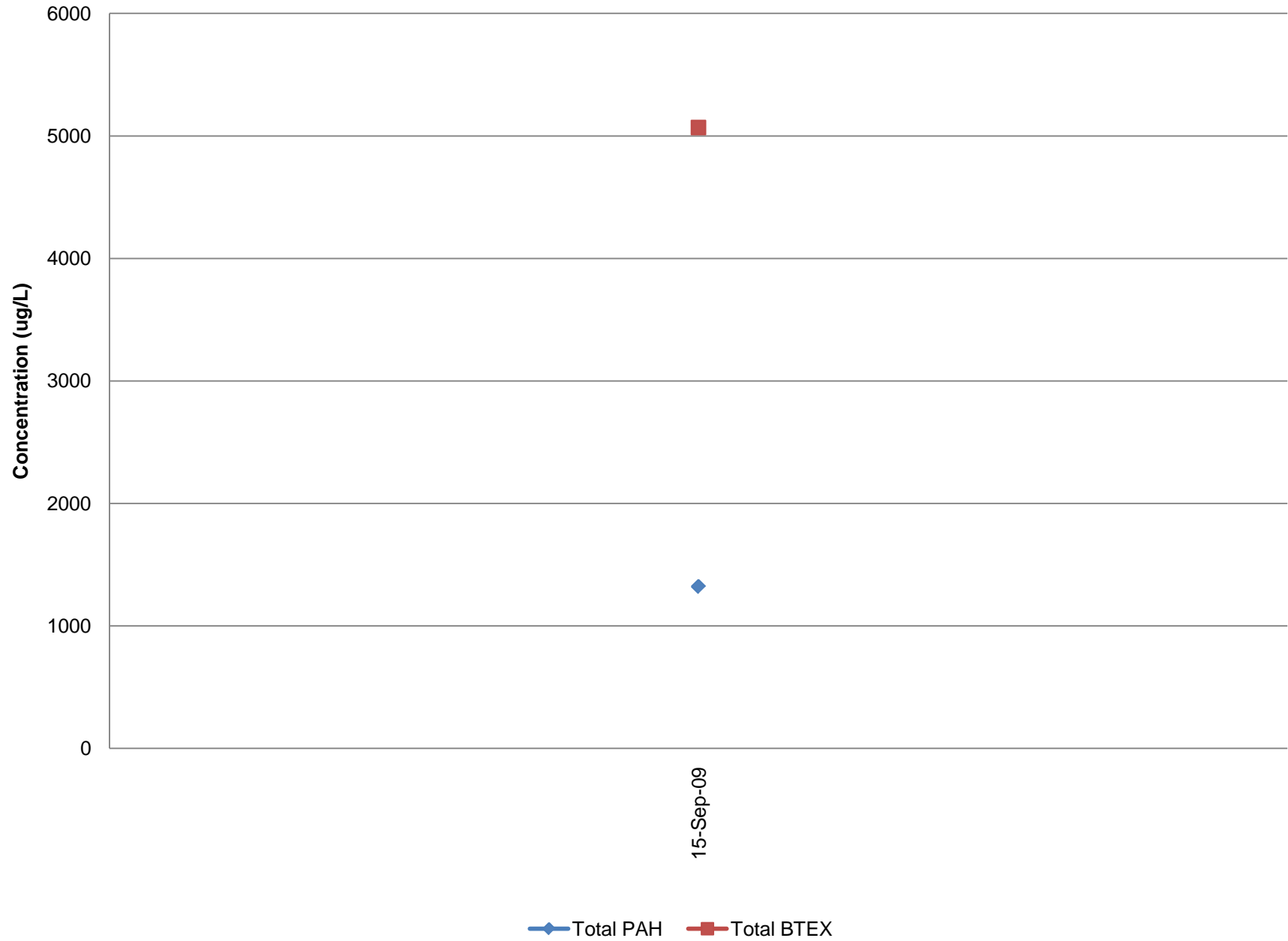
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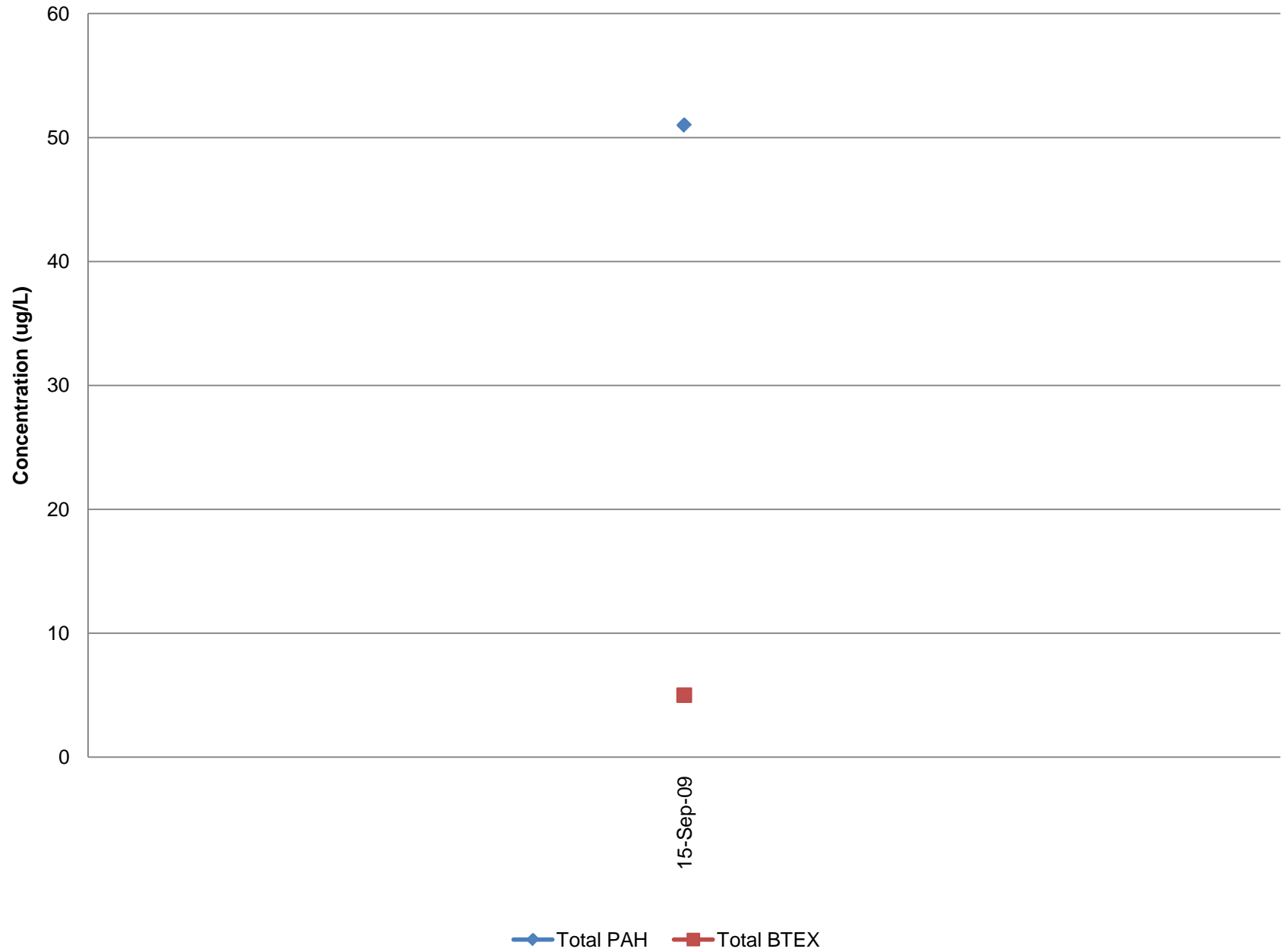
Monitoring Well BMW-39D 65-70 ft bgs



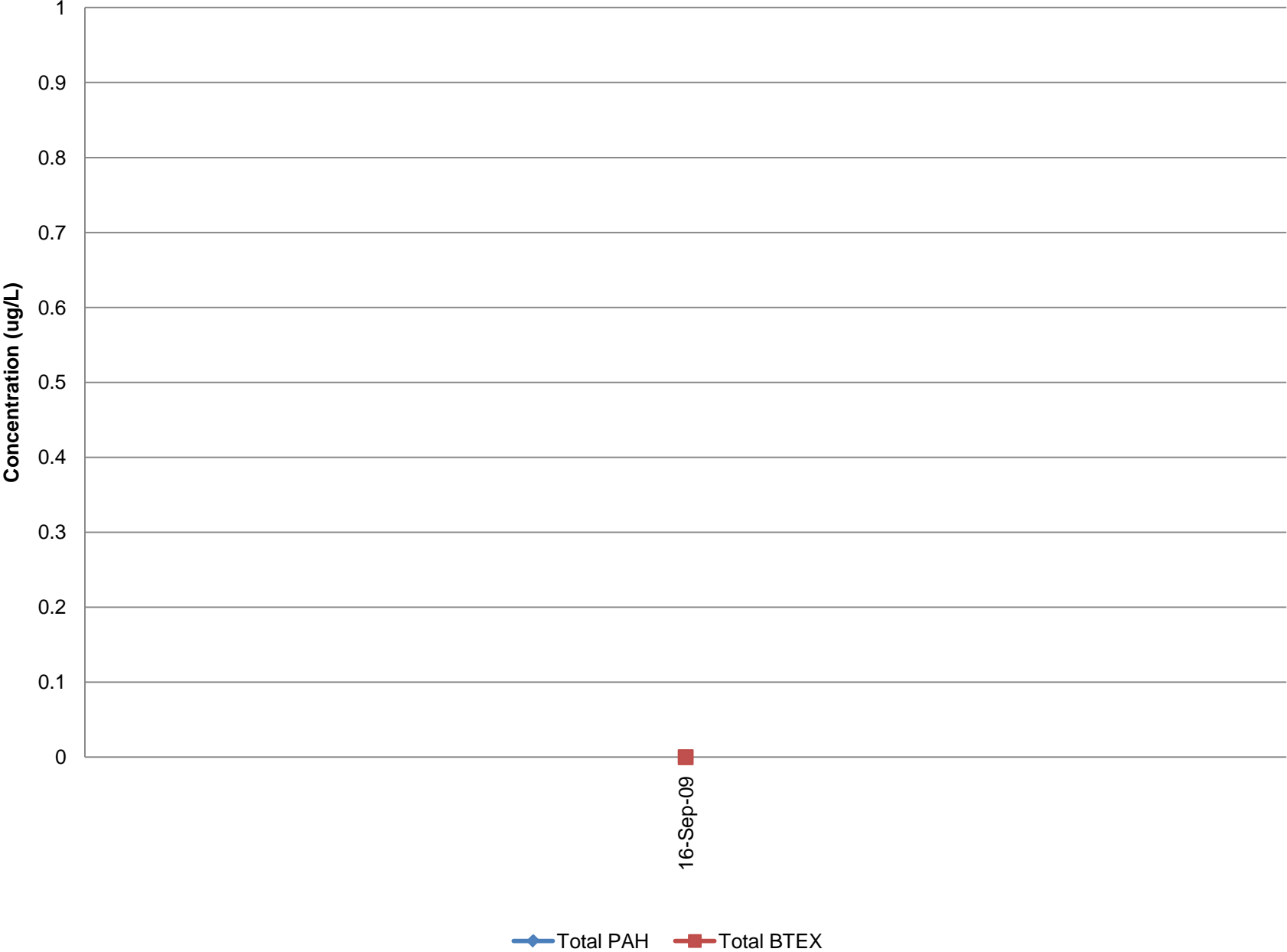
Monitoring Well BMW-40S 5-15 ft bgs



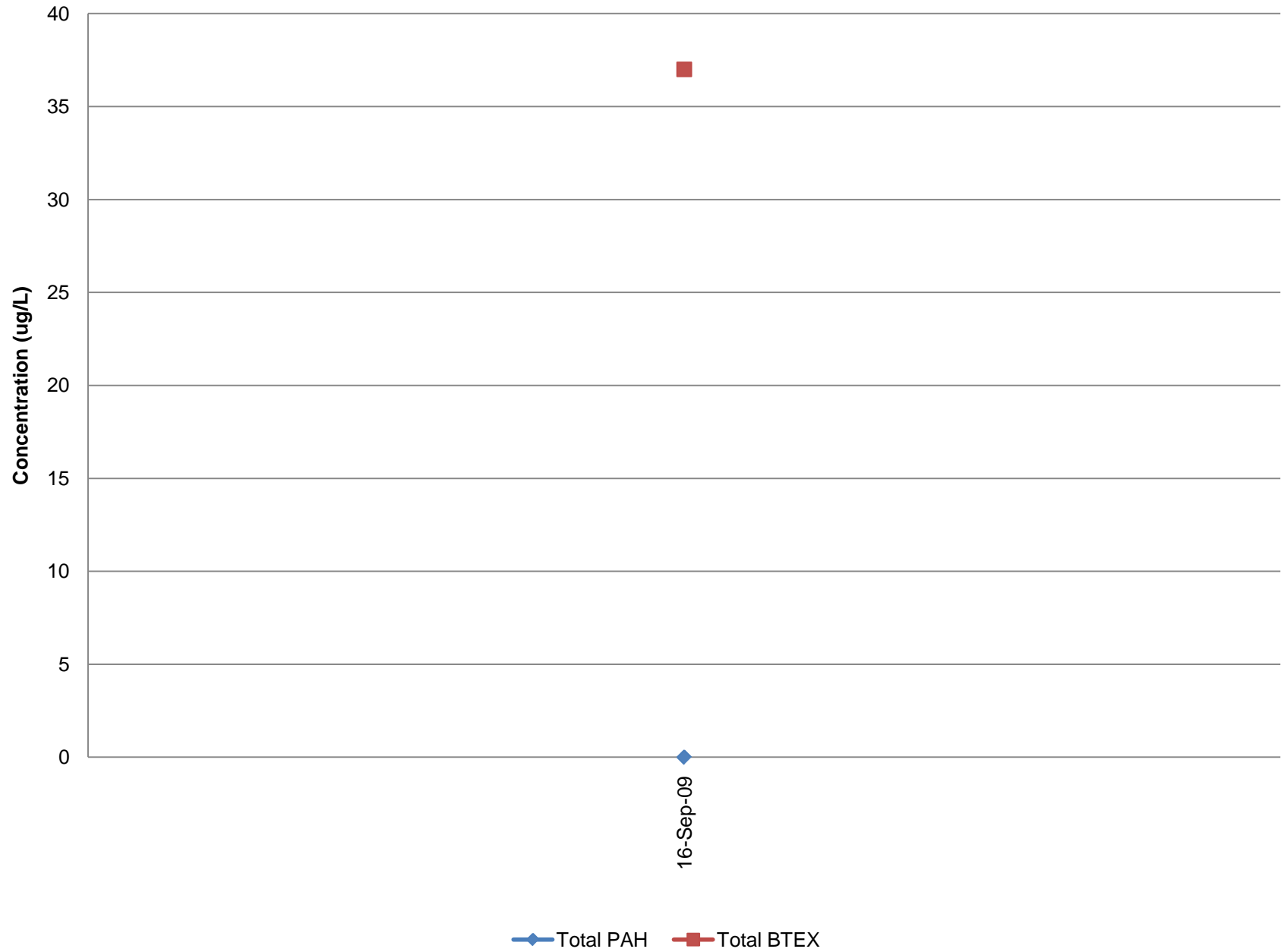
Monitoring Well BMW-40I 25-30 ft bgs



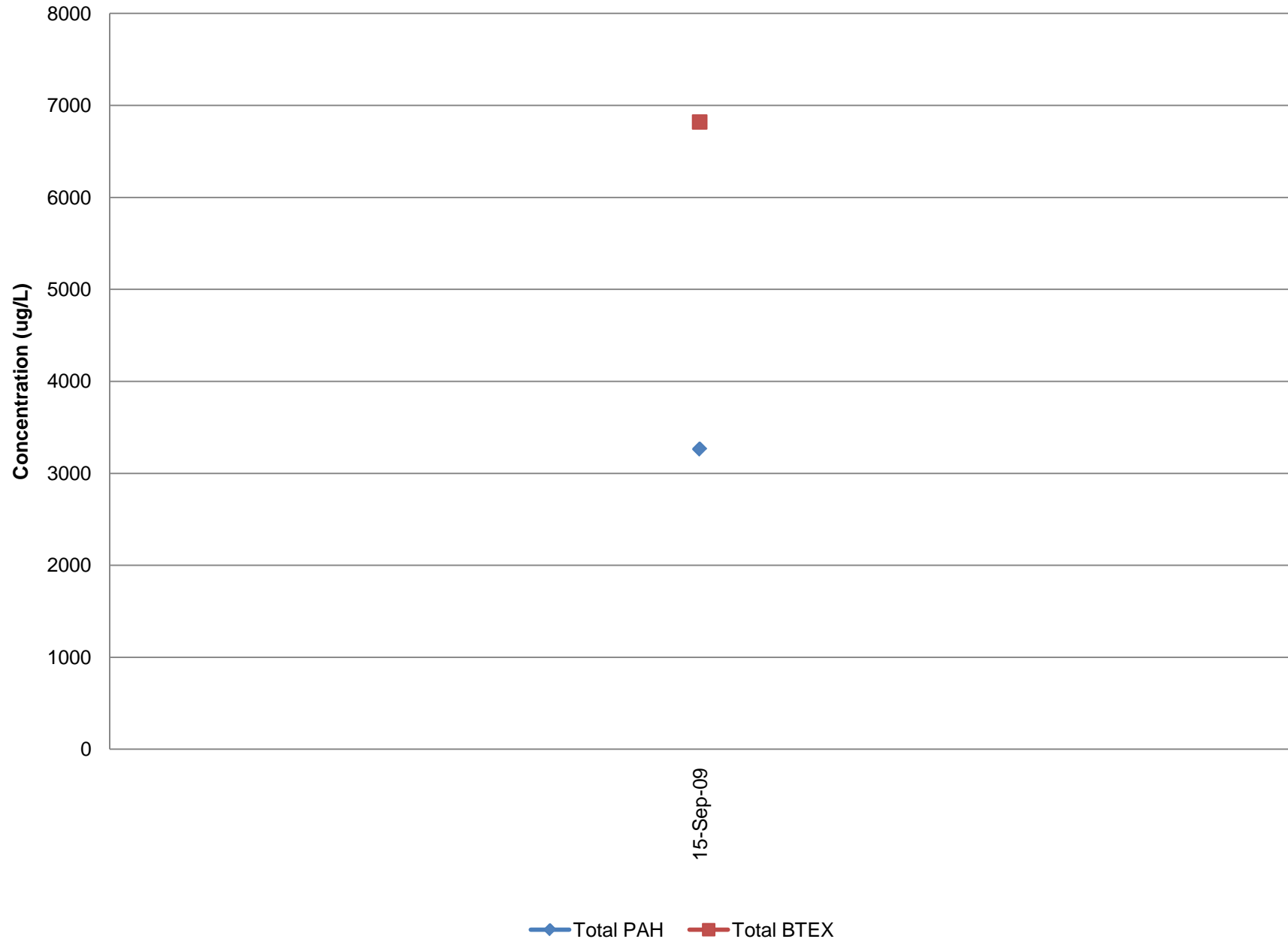
Monitoring Well BMW-40I2 45-50 ft bgs



Monitoring Well BMW-40D 70-75 ft bgs

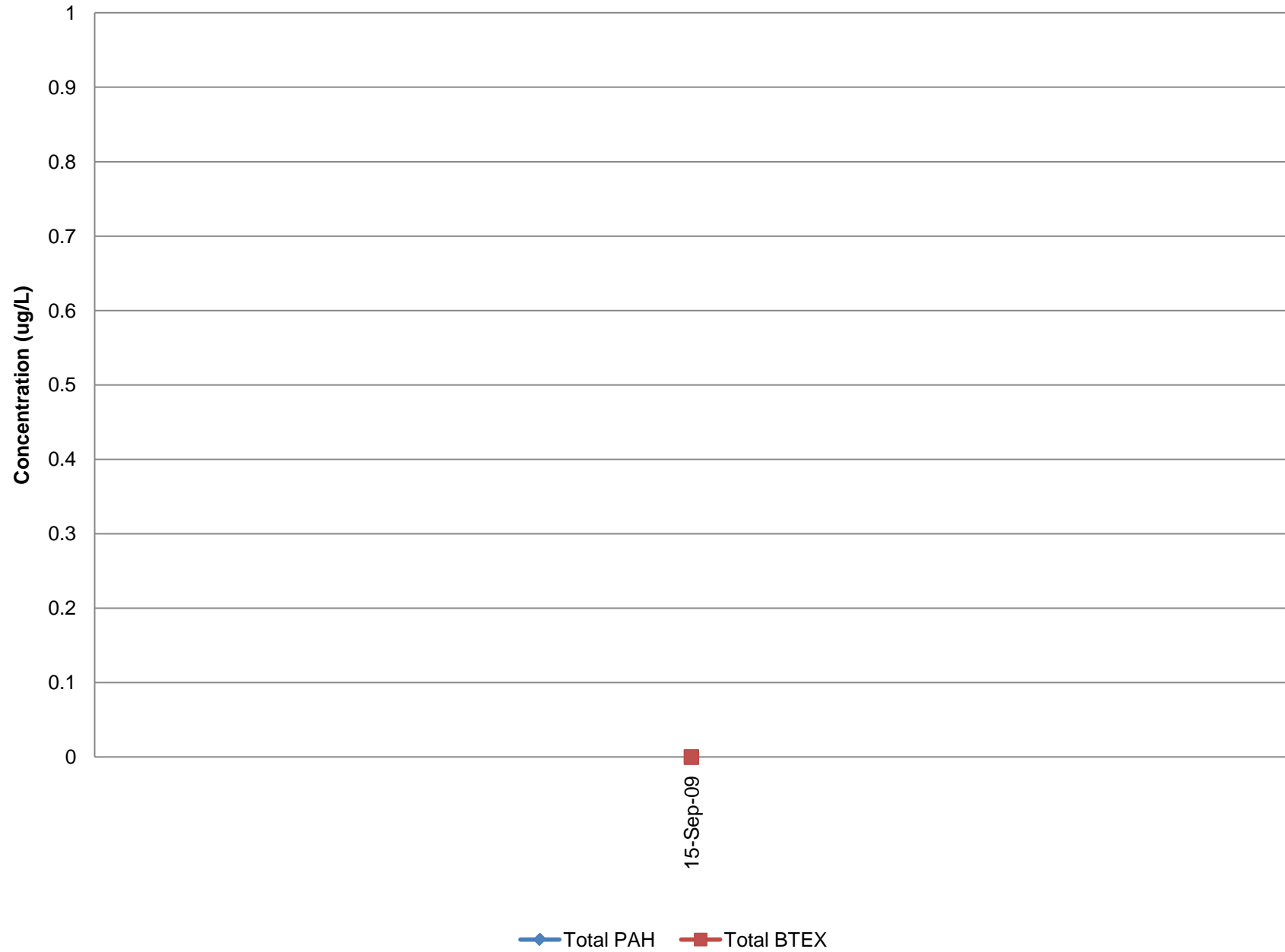


Monitoring Well BMW-41S 6-16 ft bgs

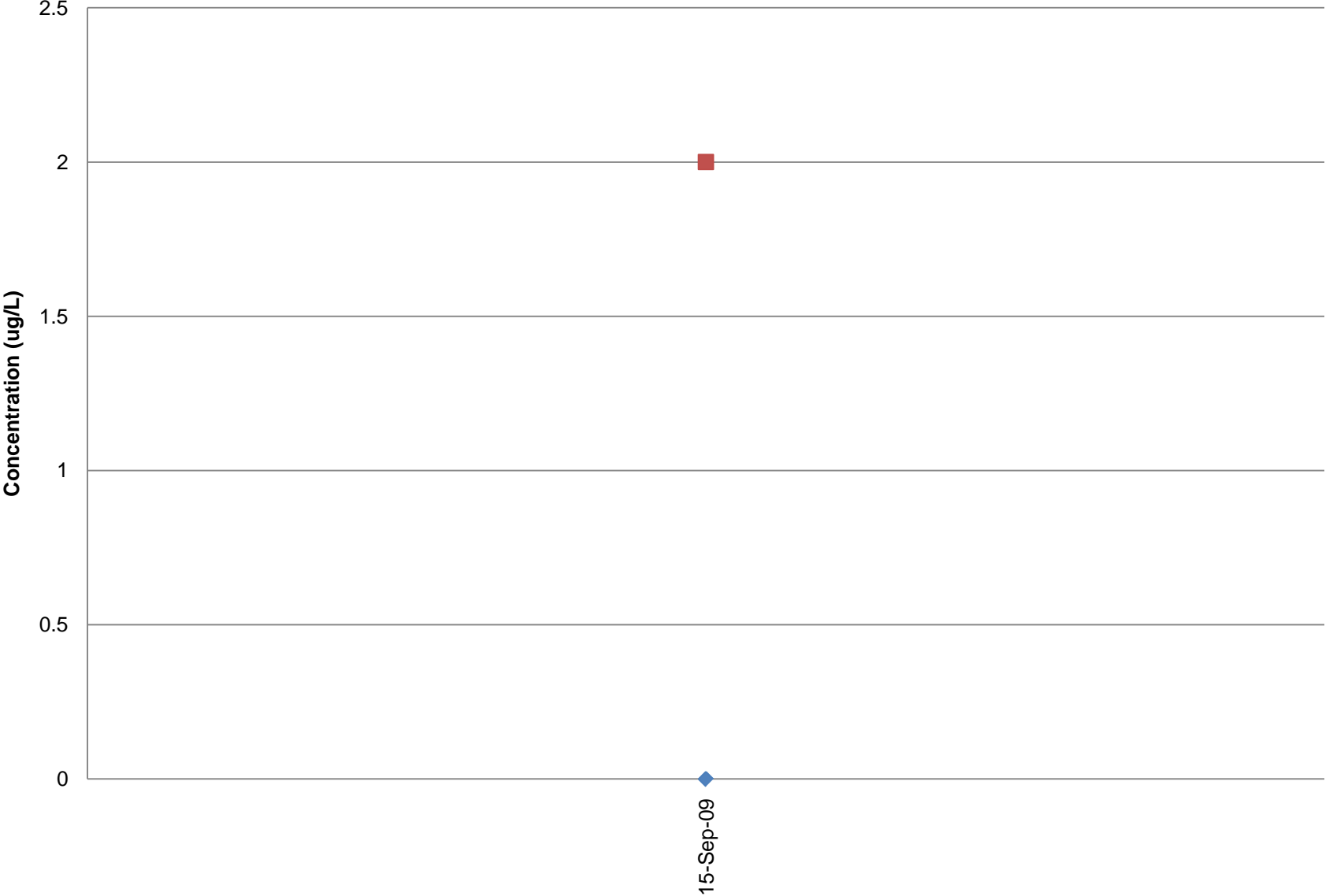


Monitoring Well BMW-41I

25-30 ft bgs

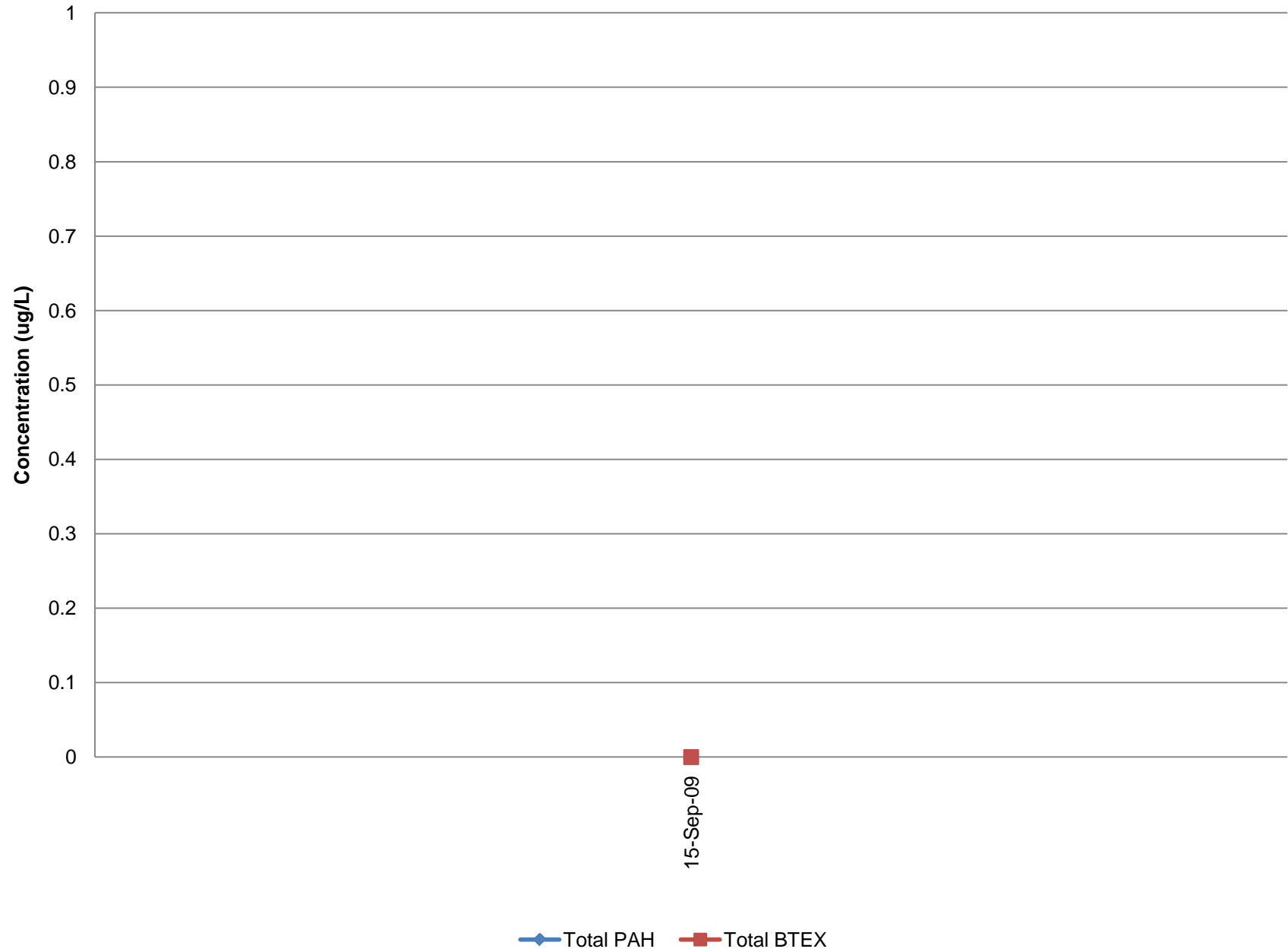


Monitoring Well BMW-41I2 45-50 ft bgs



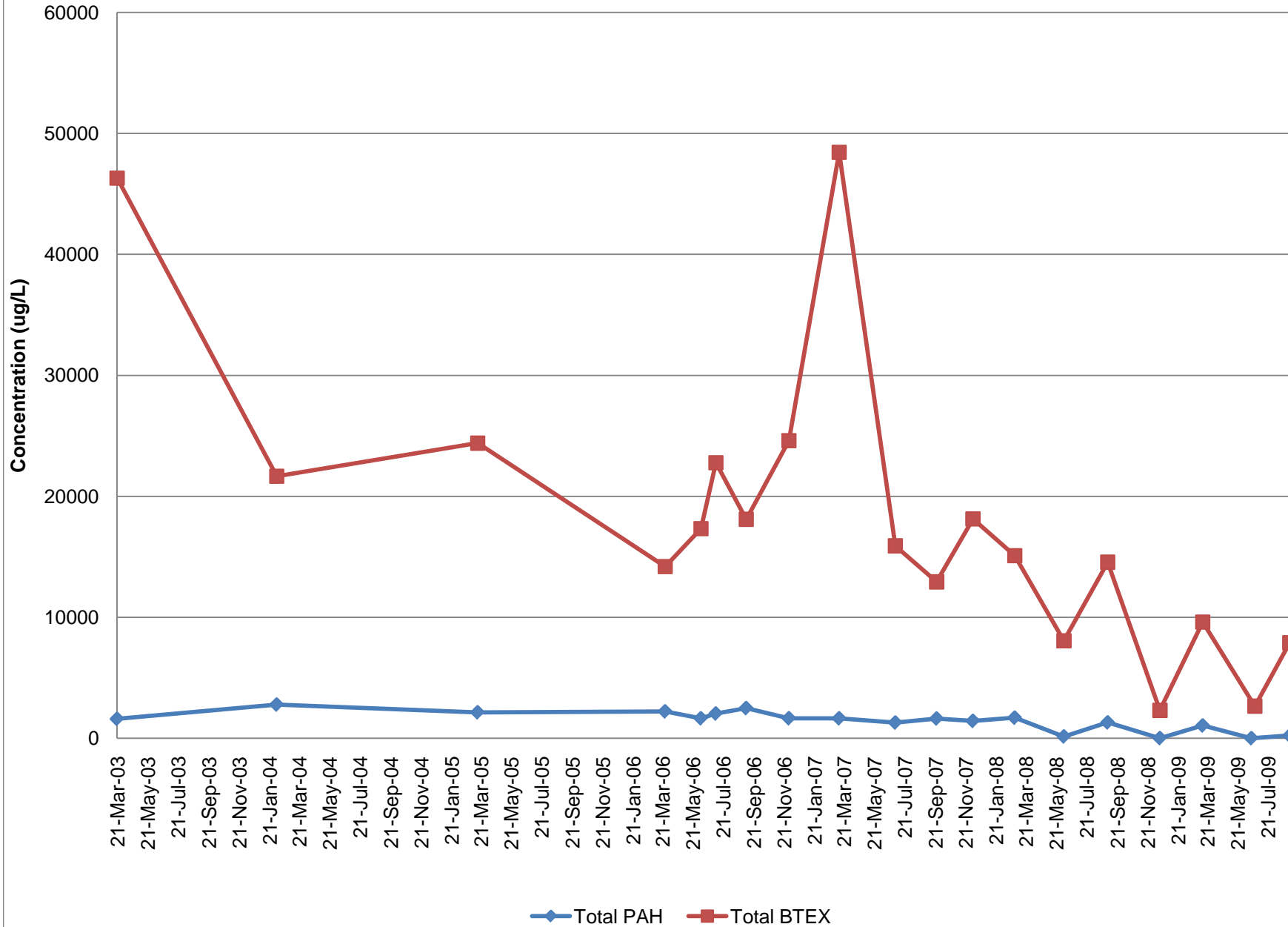
◆ Total PAH ■ Total BTEX

Monitoring Well BMW-41D 65-70 ft bgs



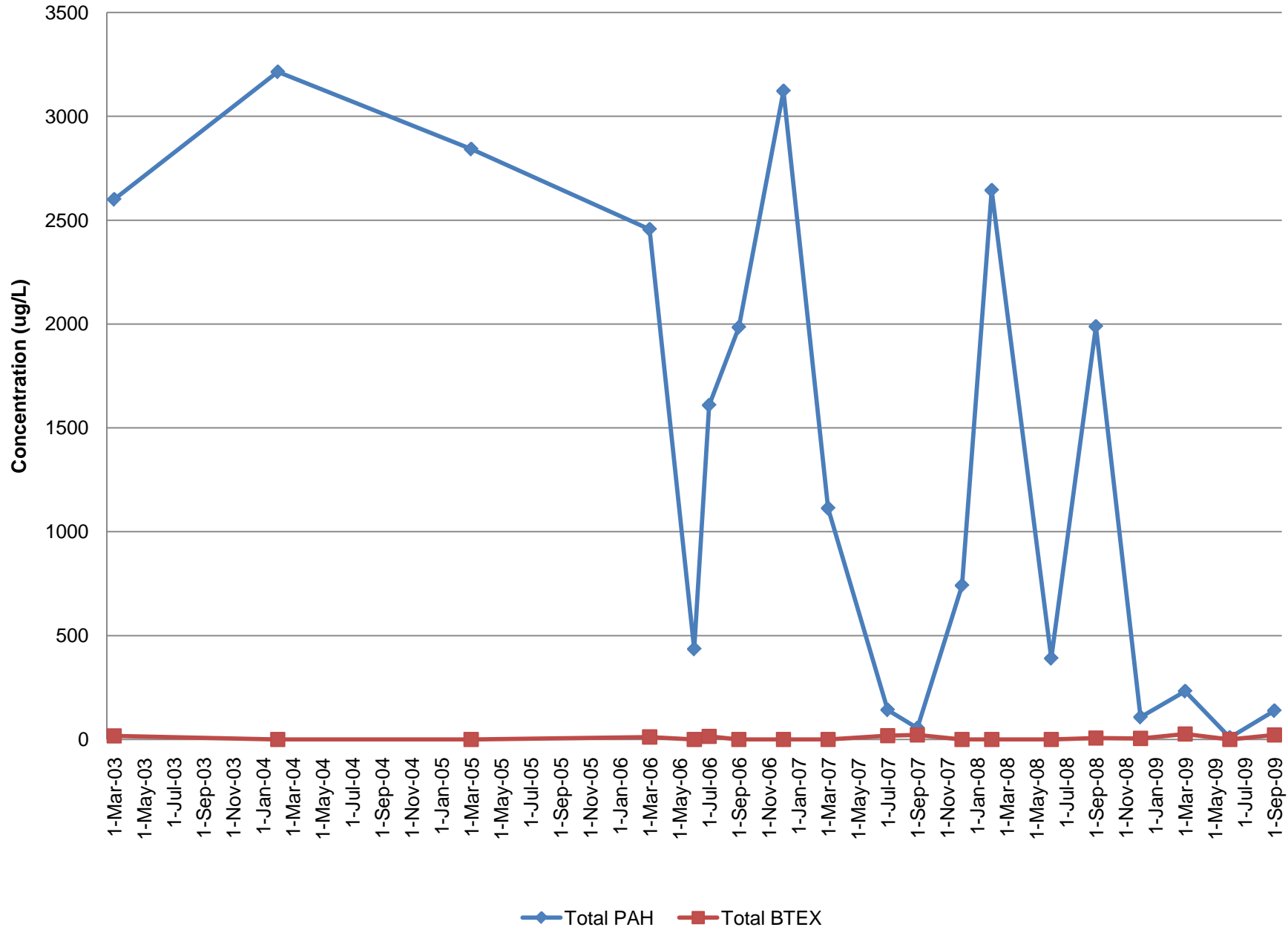
Monitoring Well MW-05S

4-14 ft bgs



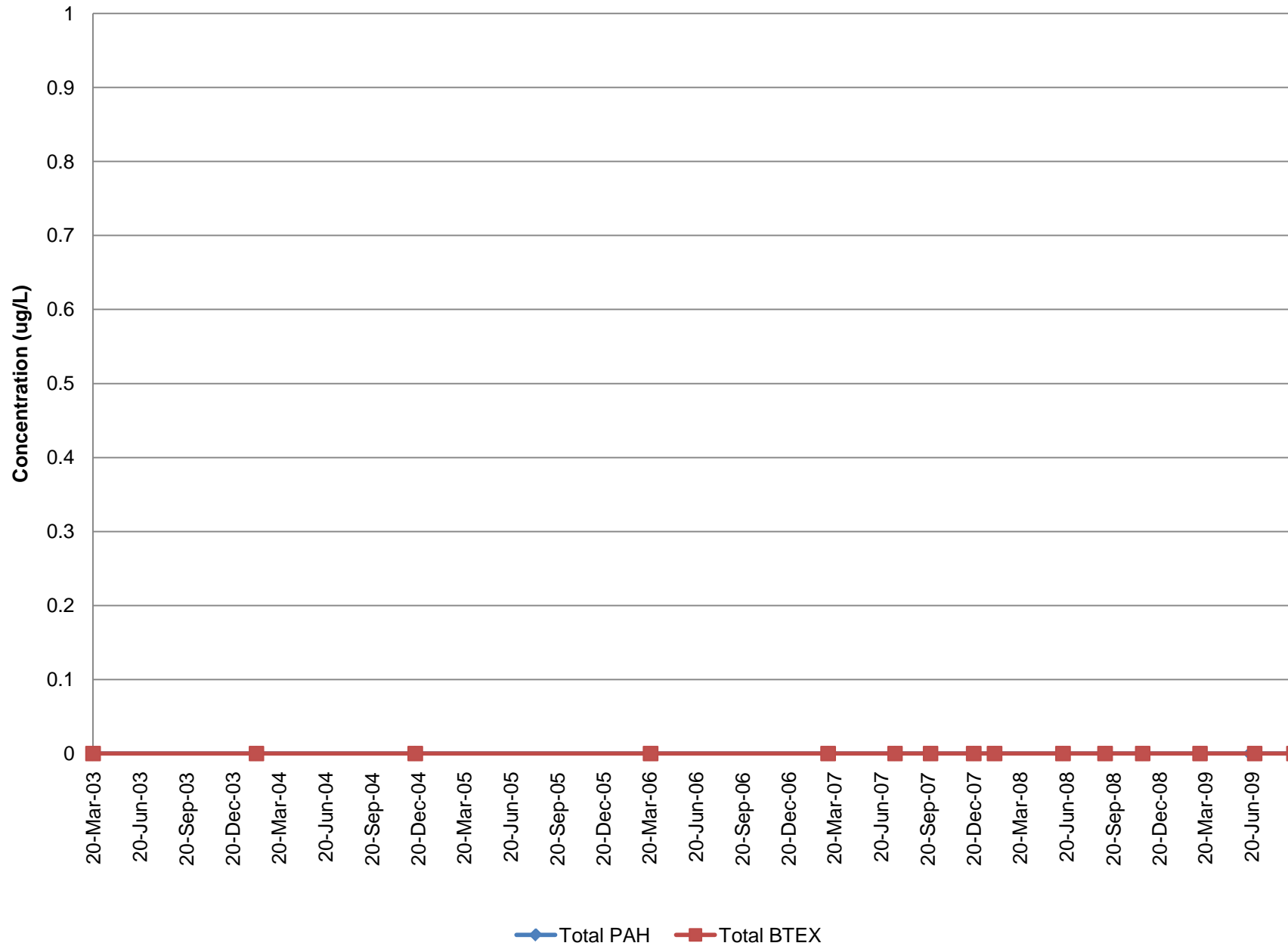
Monitoring Well MW-05D

35.5-45.5 ft bgs

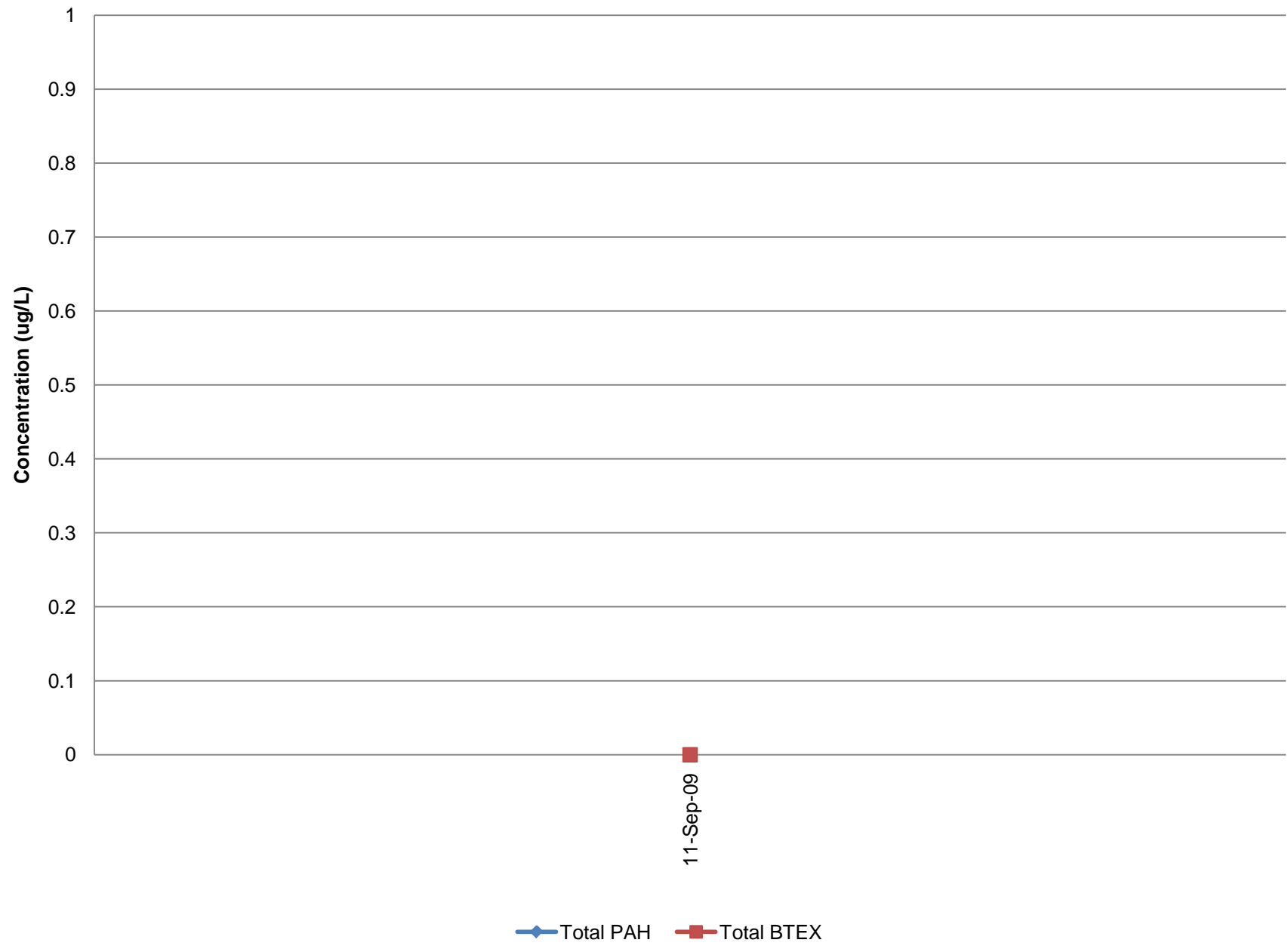


Monitoring Well MW-09S

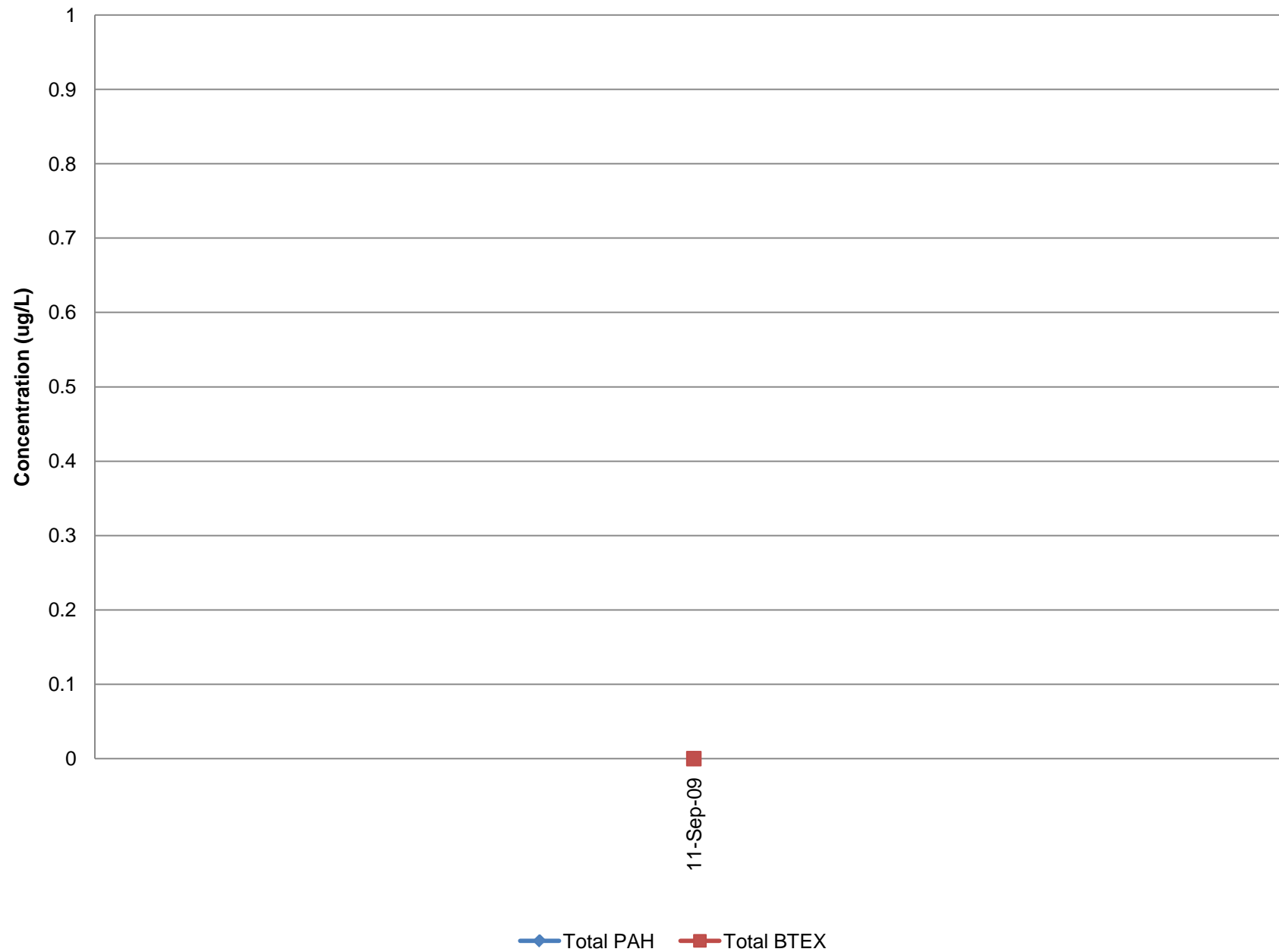
4-14 ft bgs



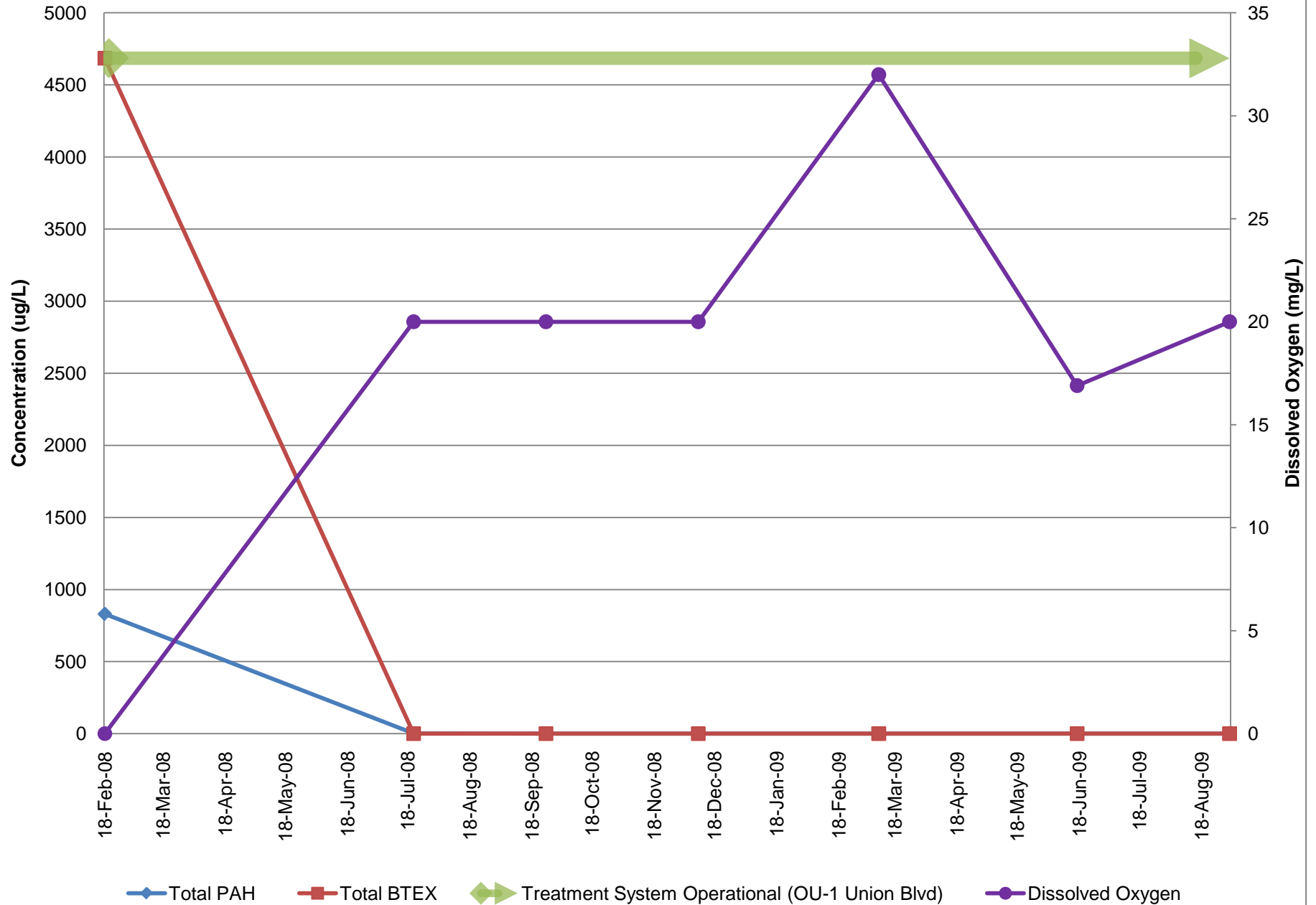
Monitoring Well MW-09I2 45-50 ft bgs



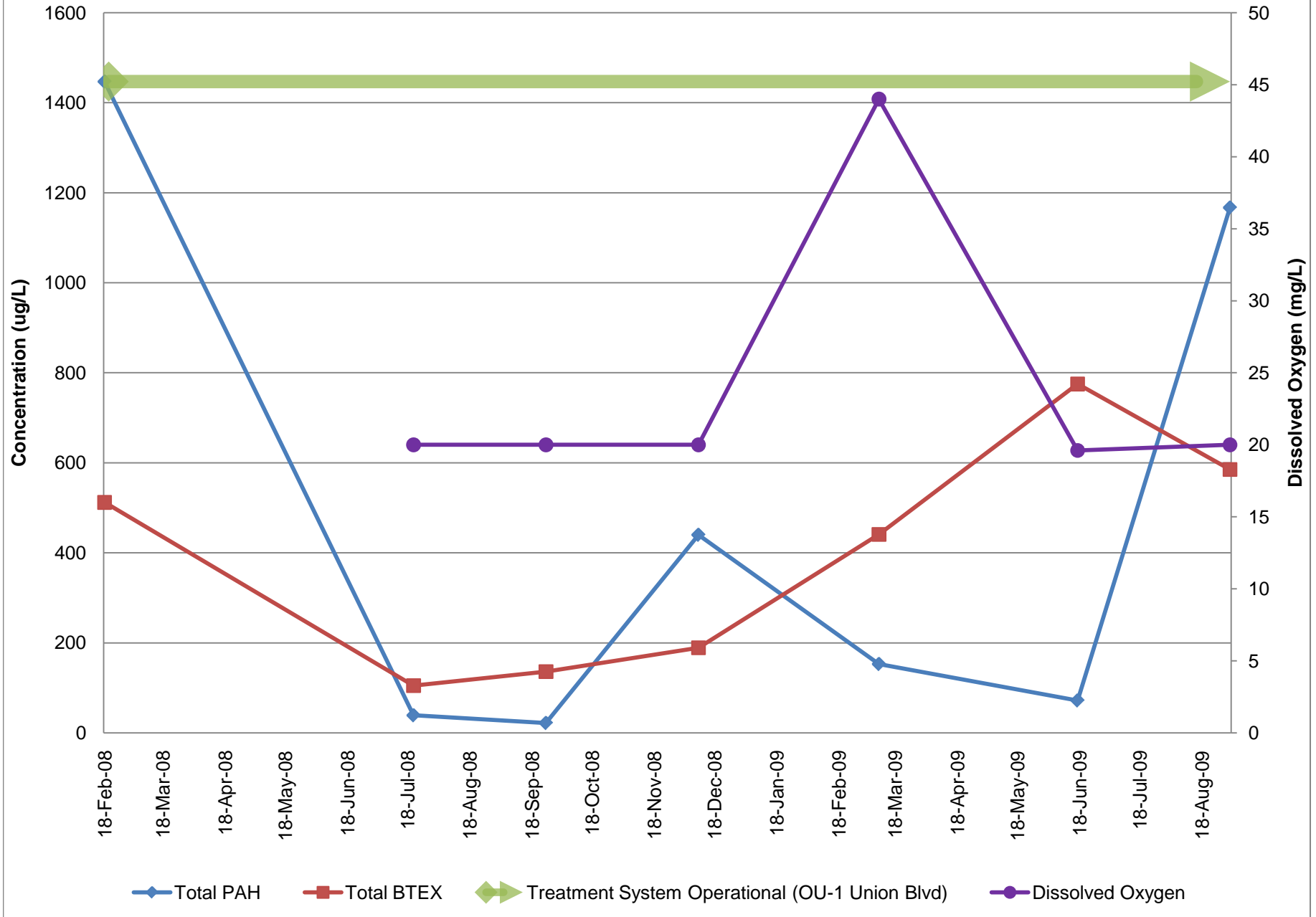
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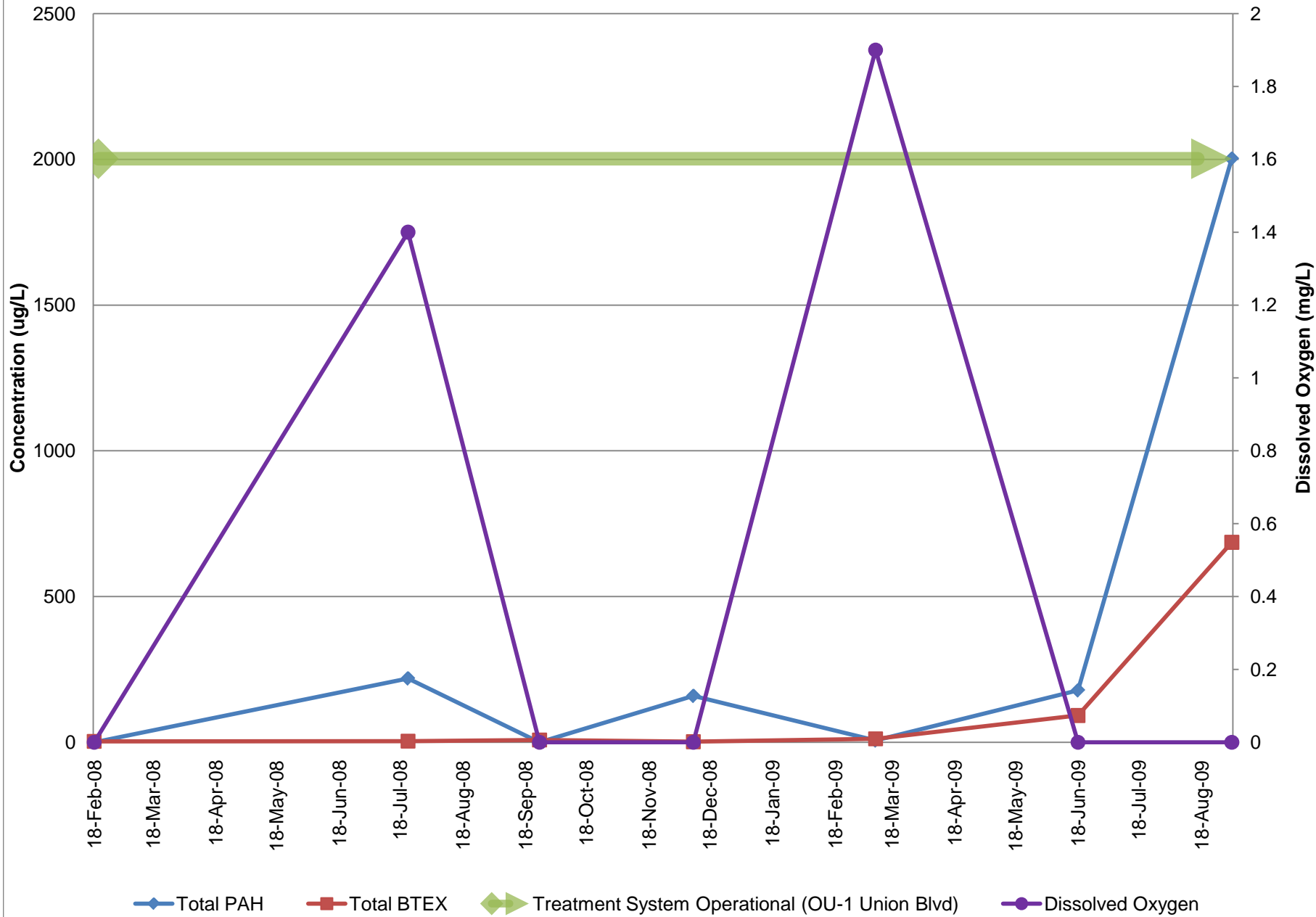
Monitoring Well OZMW-16S 5-15 ft bgs



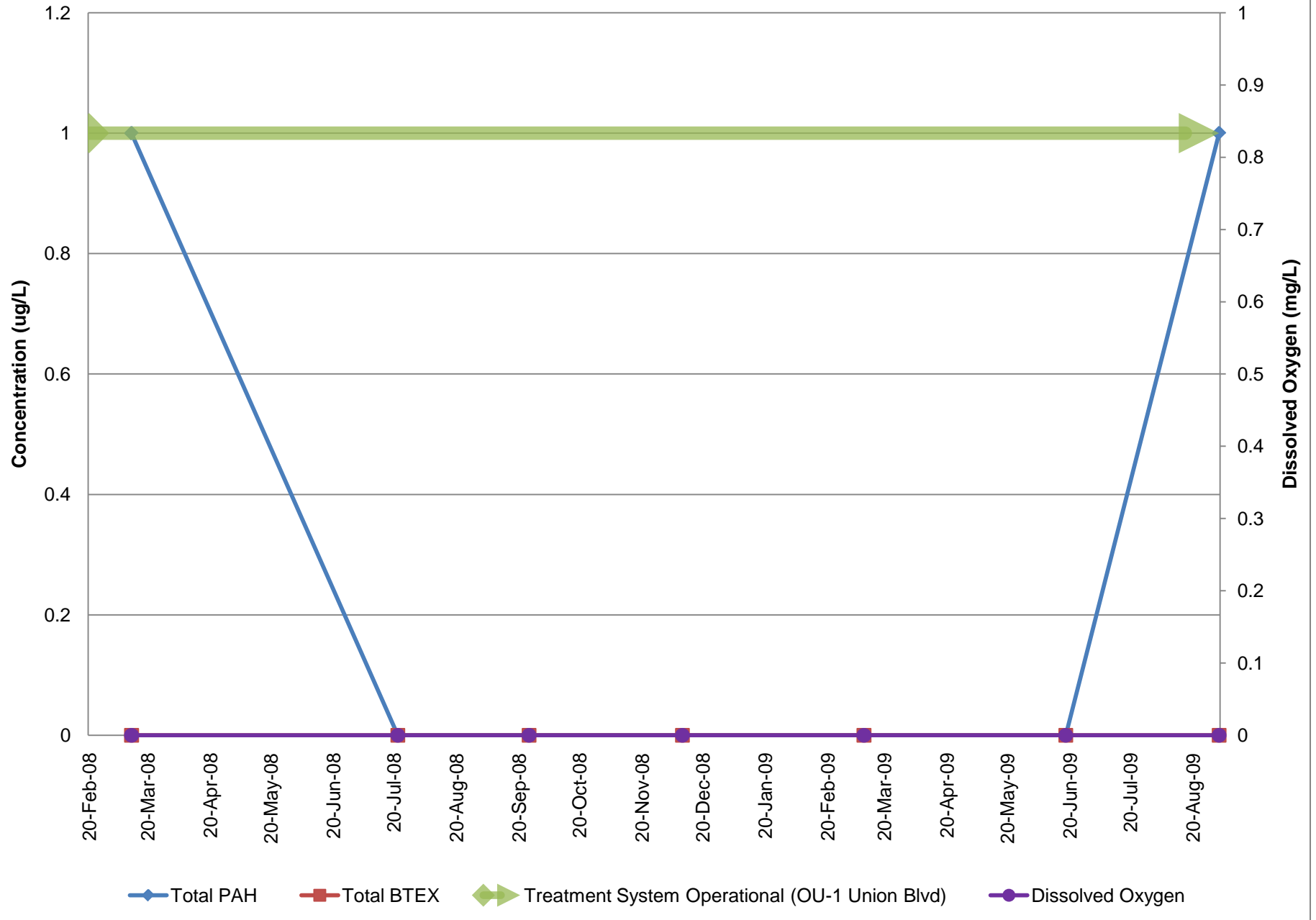
Monitoring Well OZMW-16I 20-30 ft bgs



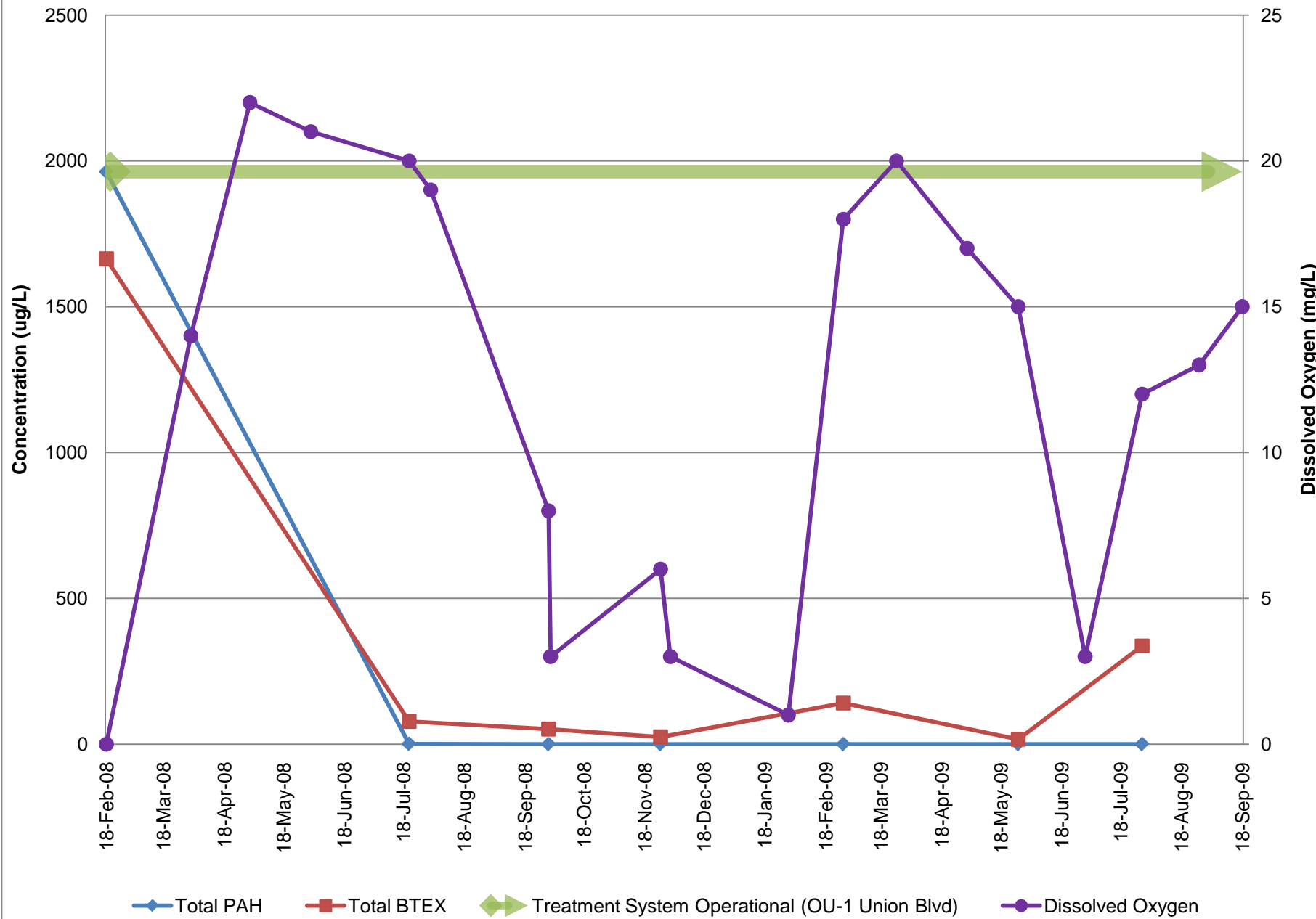
Monitoring Well OZMW-16I2 35-40 ft bgs



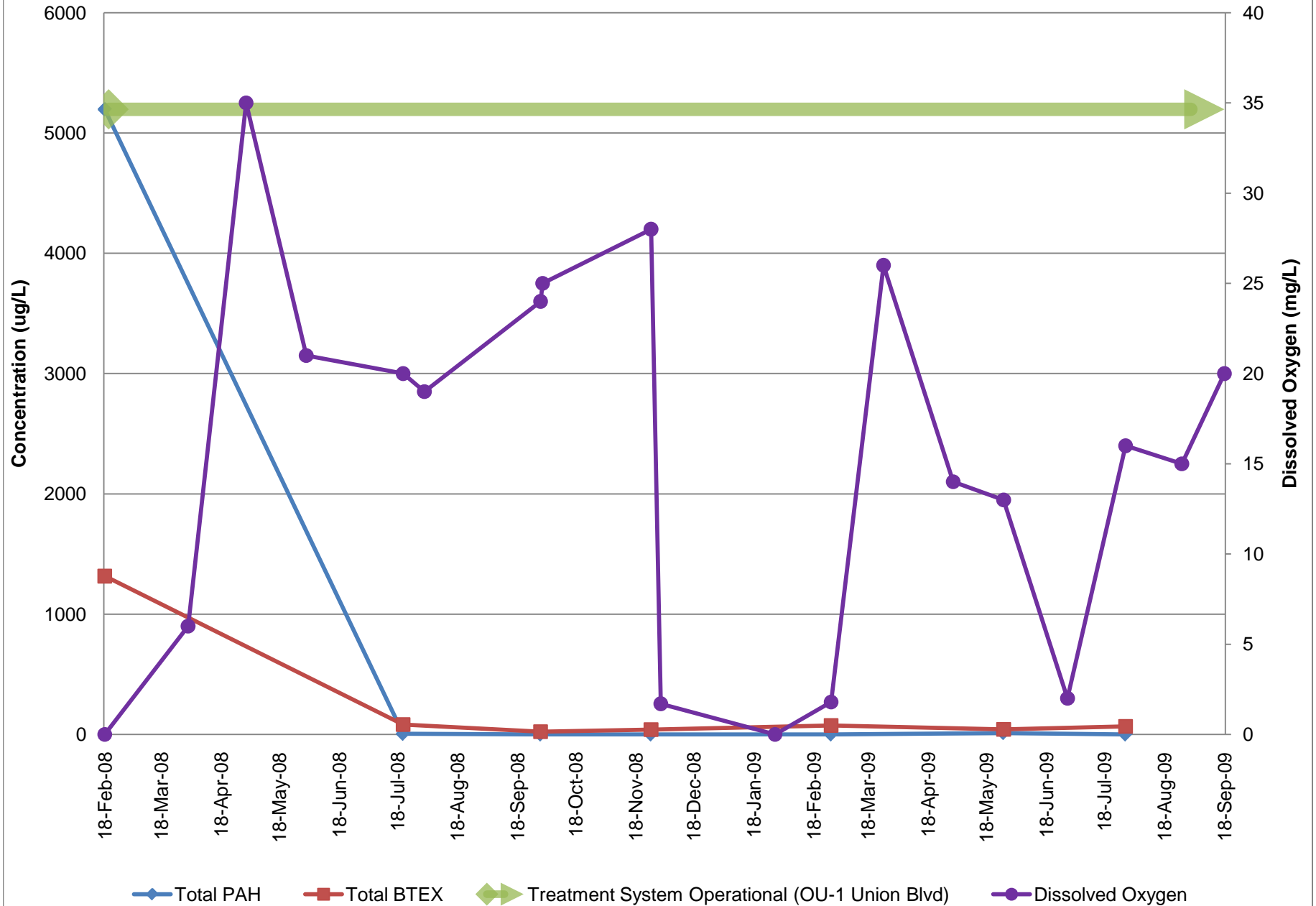
Monitoring Well OZMW-16D 55-65 ft bgs



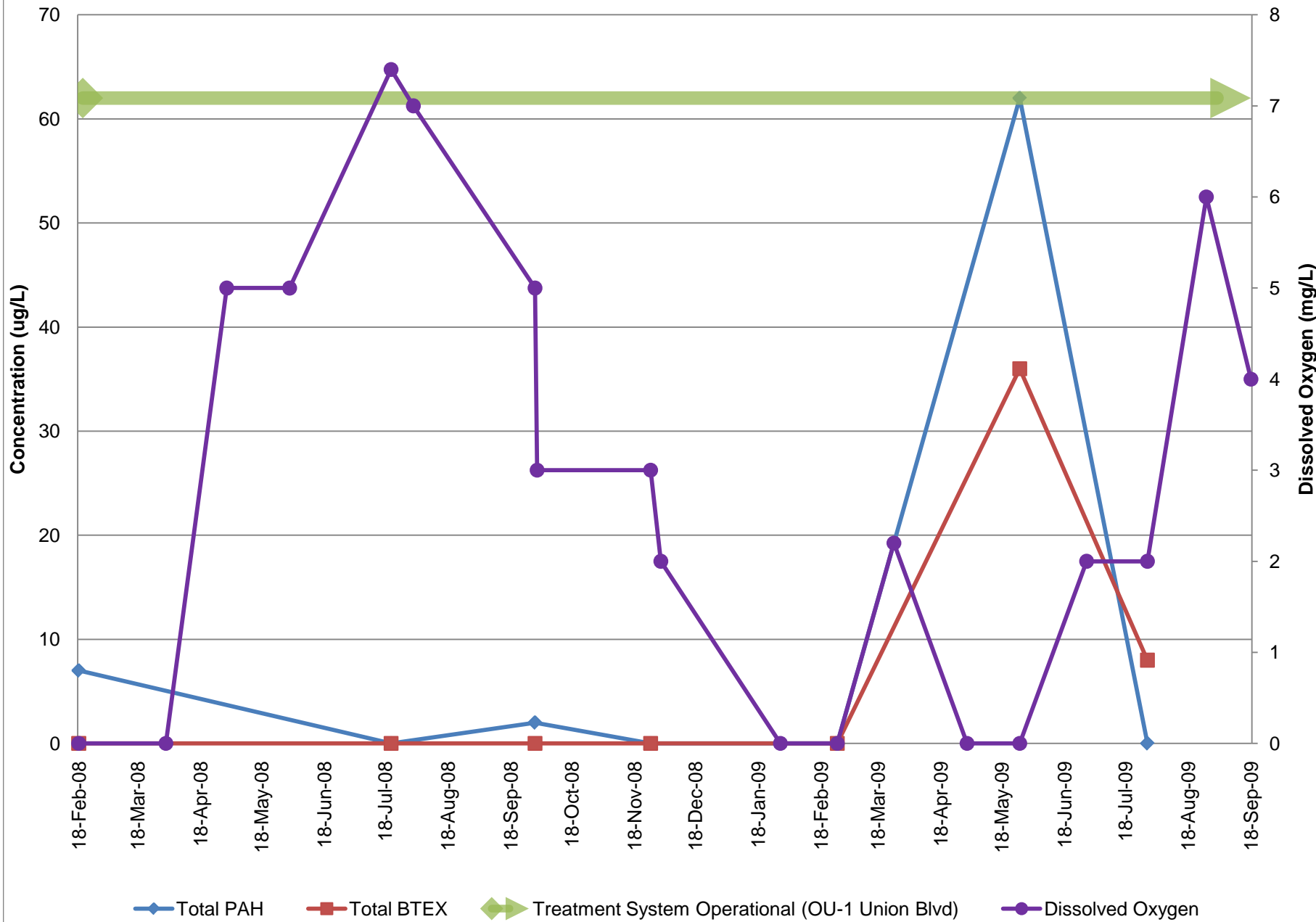
Monitoring Well OZMW-17S 5-15 ft bgs



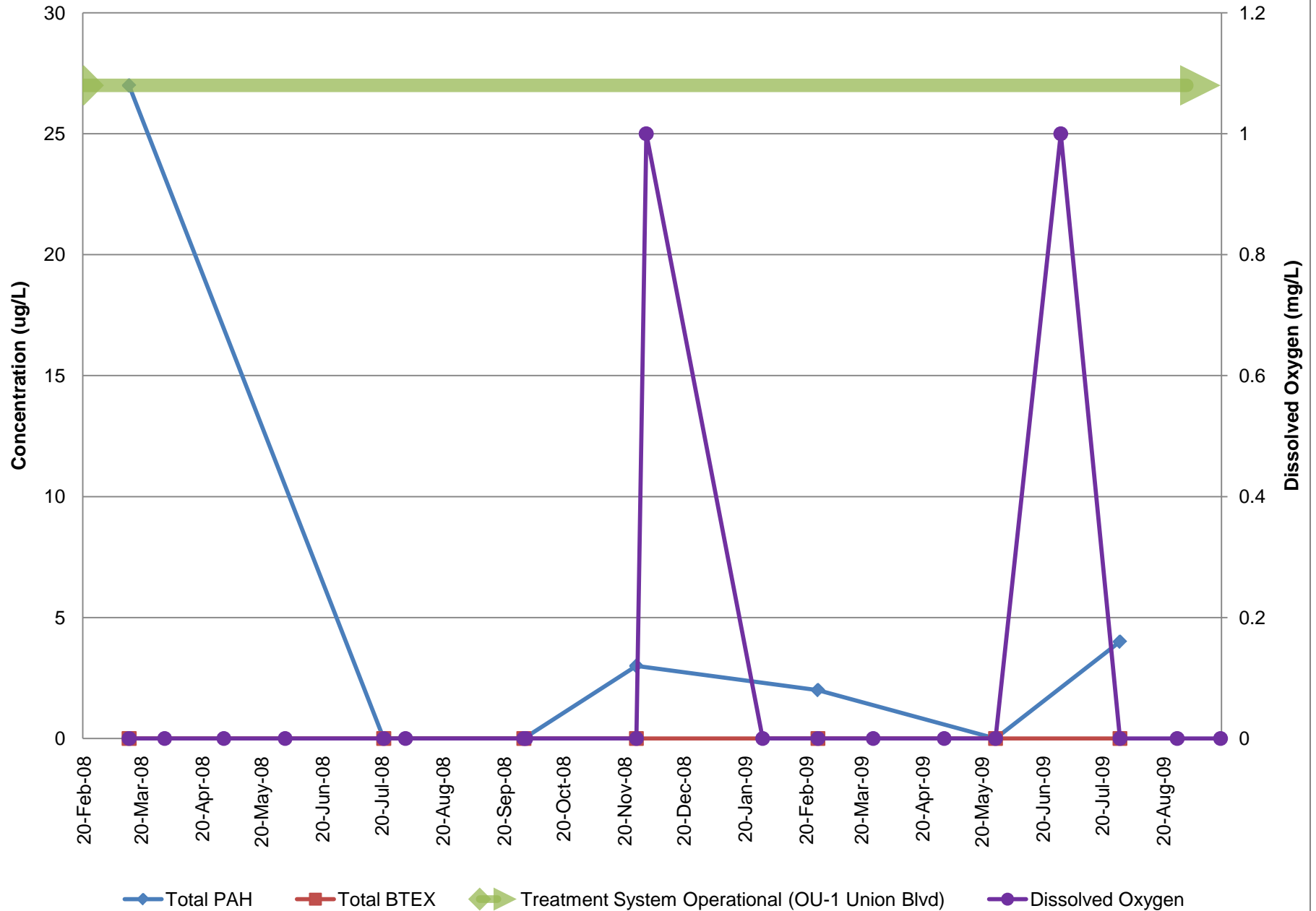
Monitoring Well OZMW-171 20-30 ft bgs



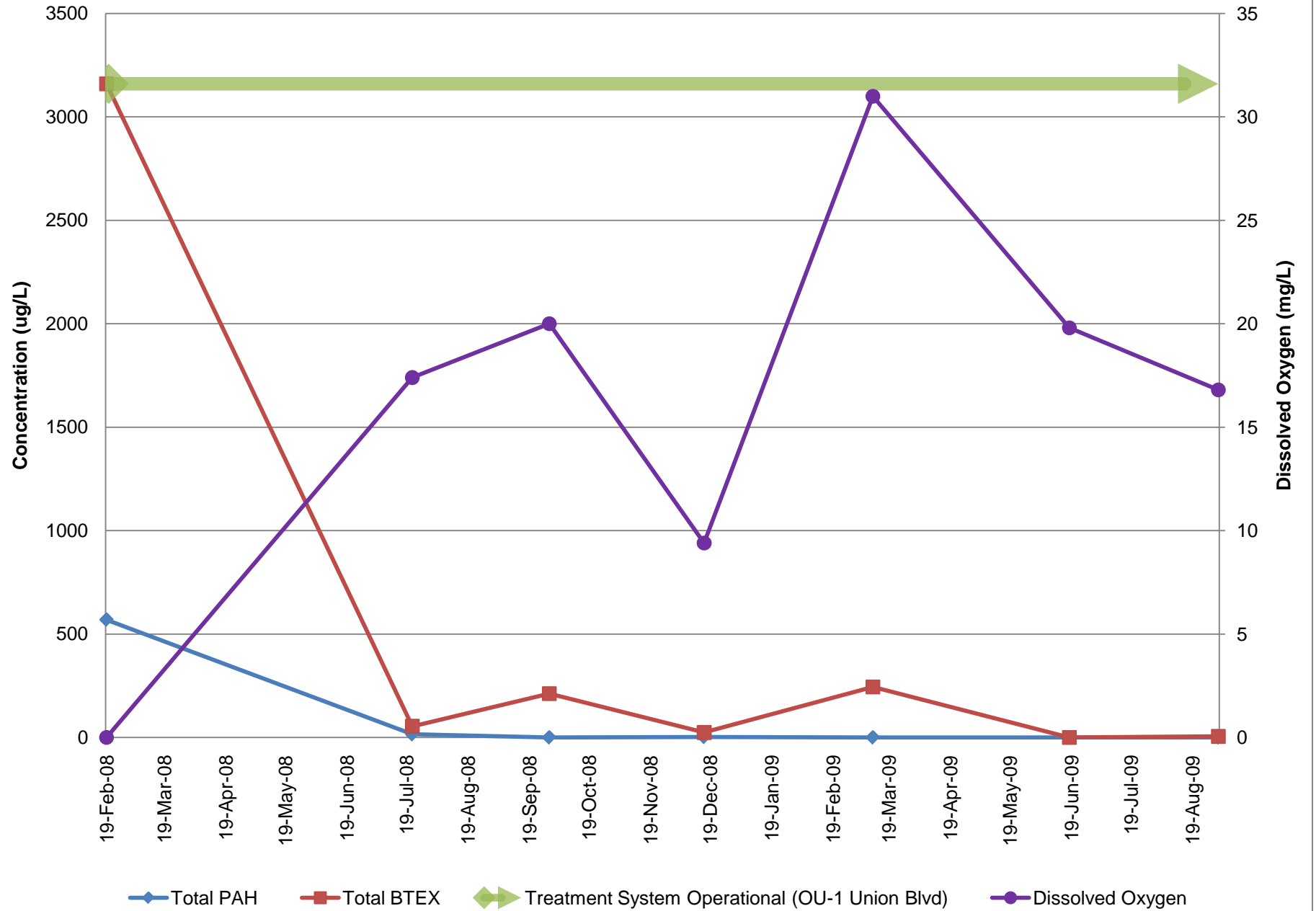
Monitoring Well OZMW-1712 35-45 ft bgs



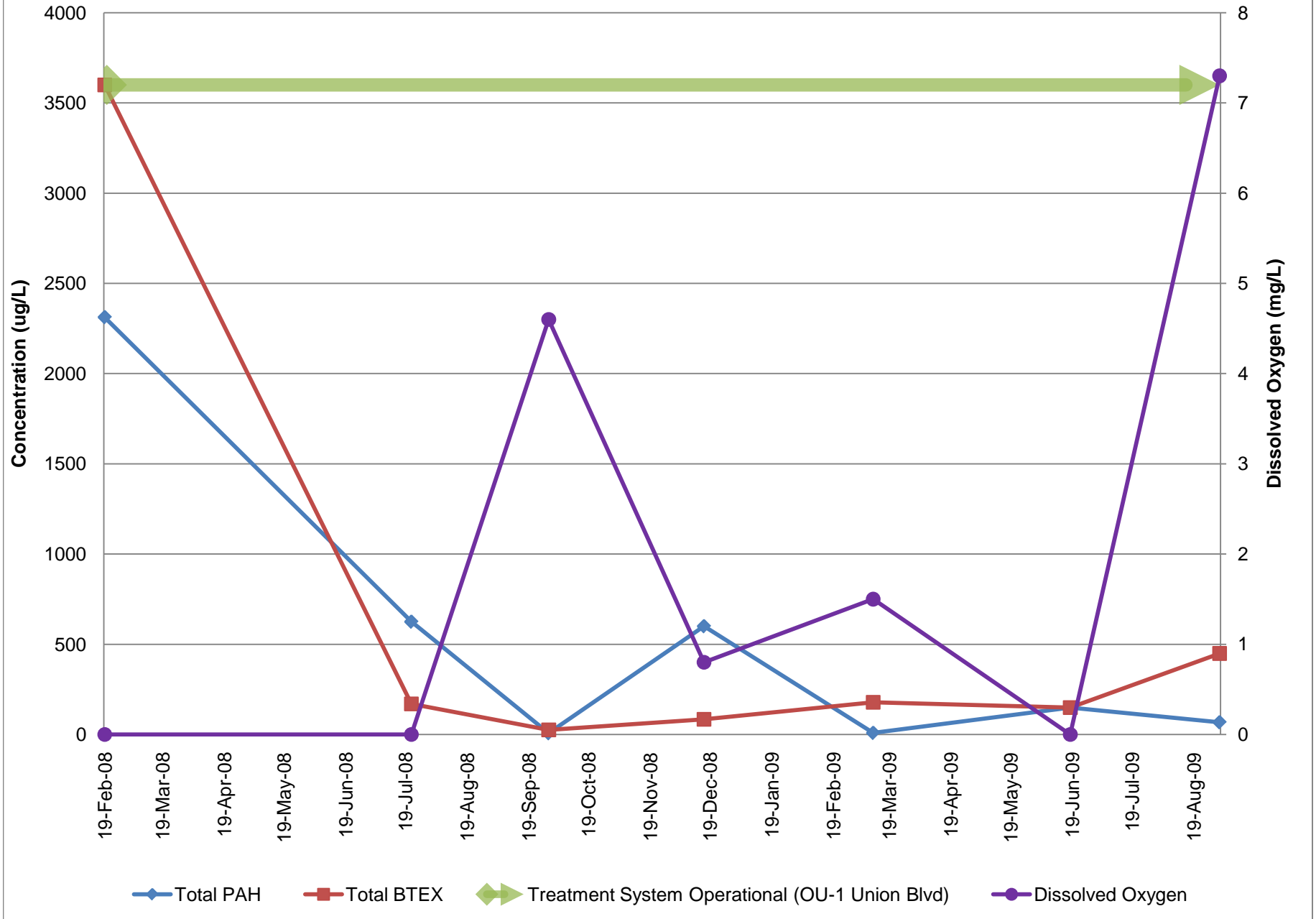
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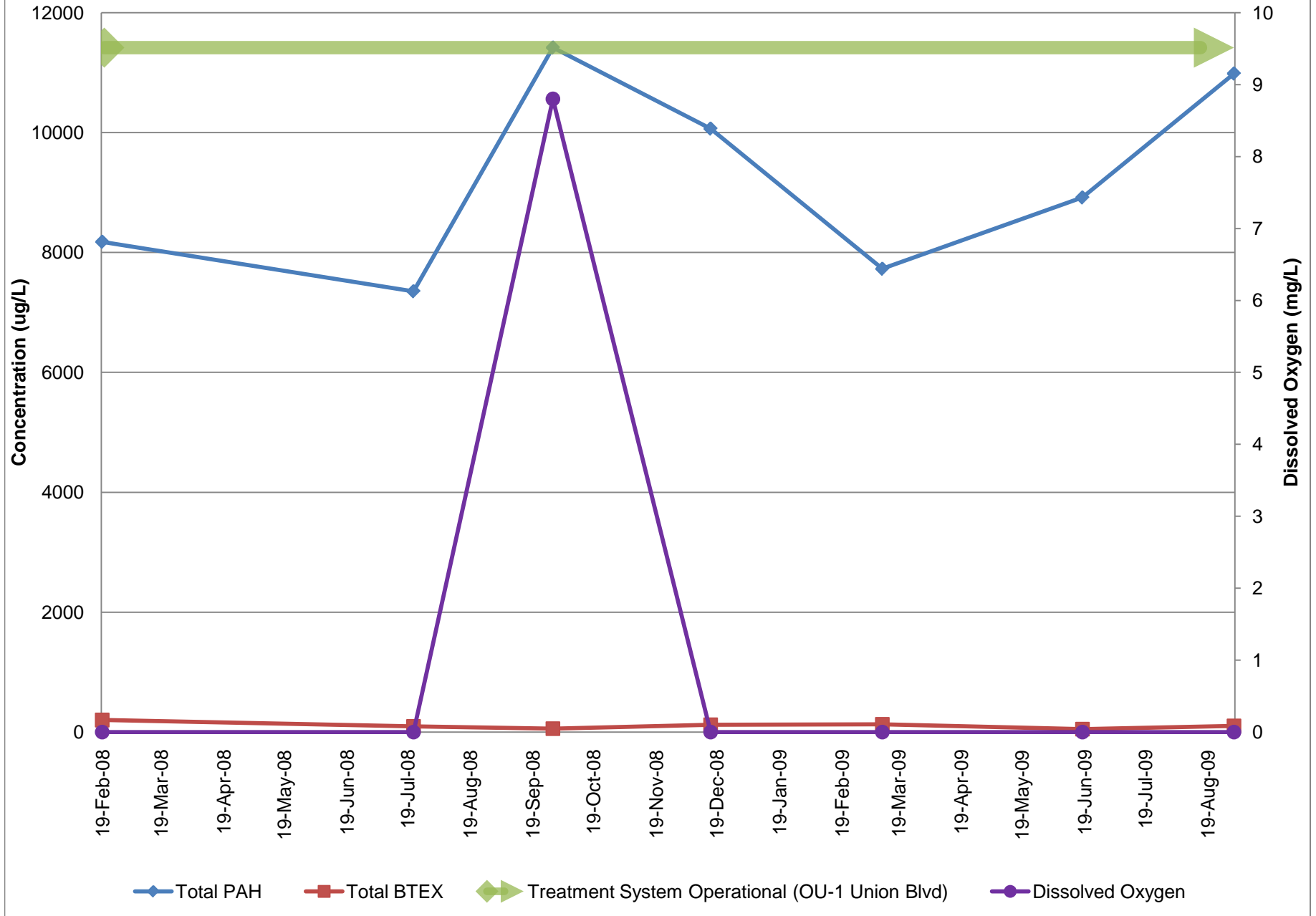
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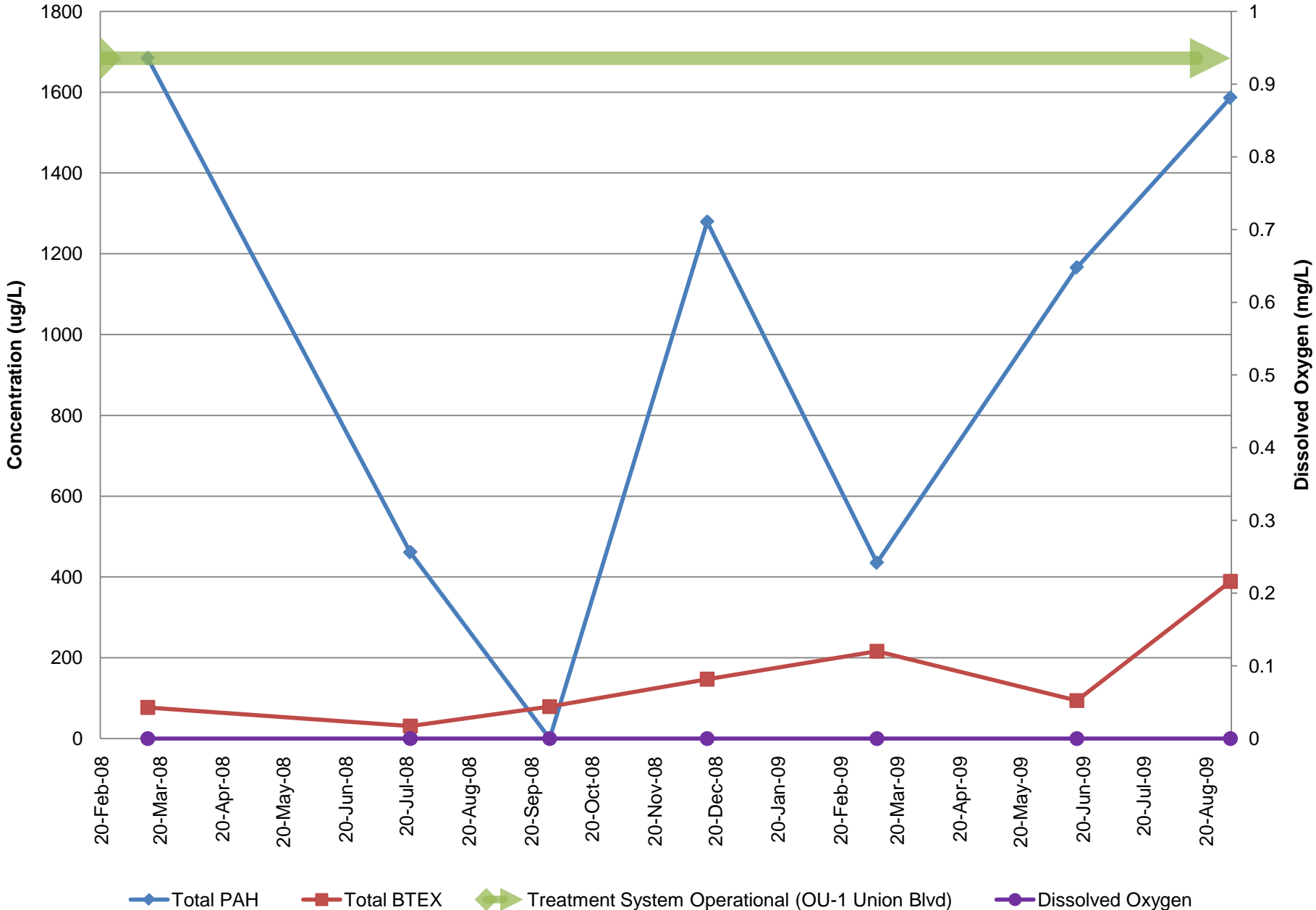
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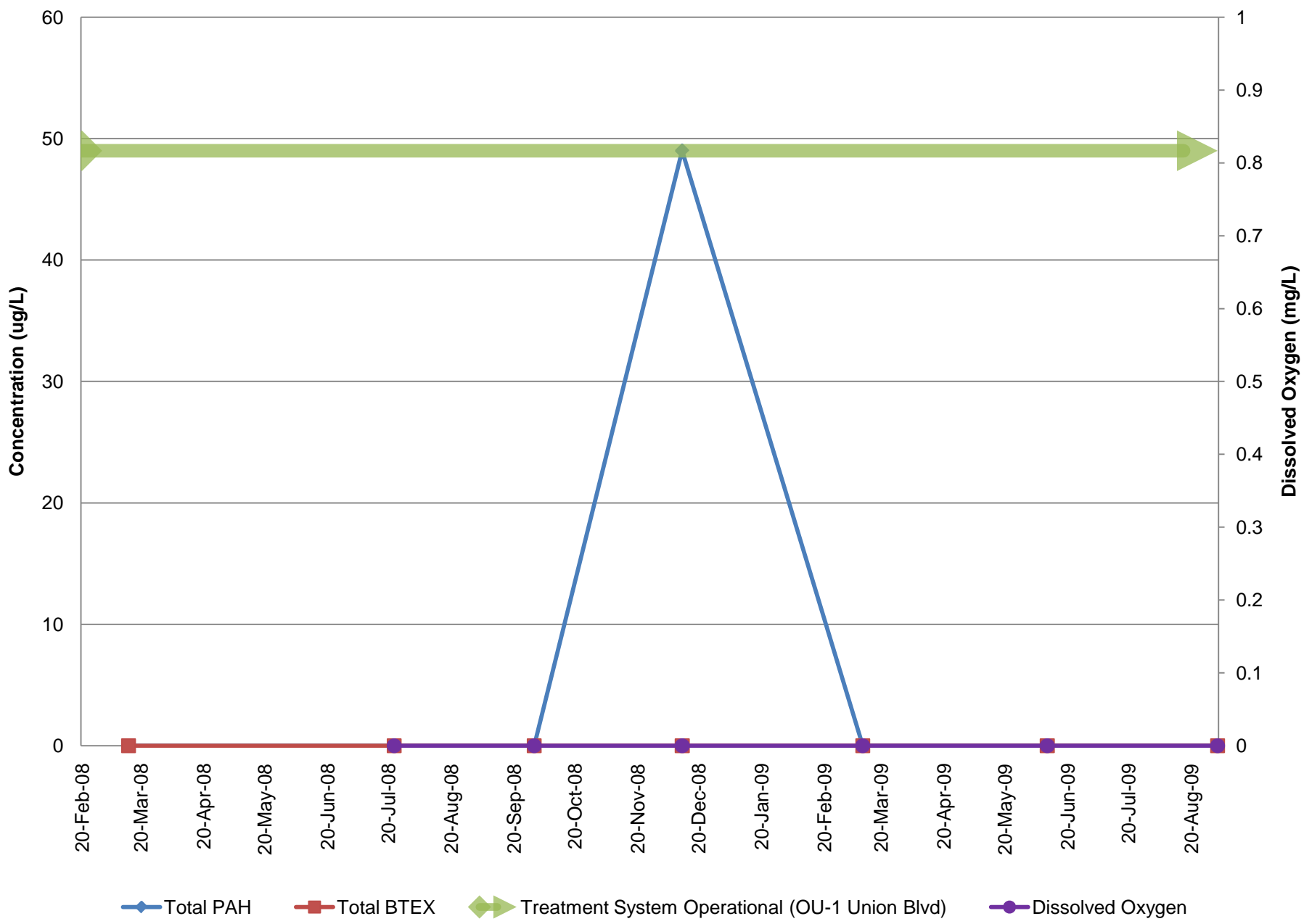
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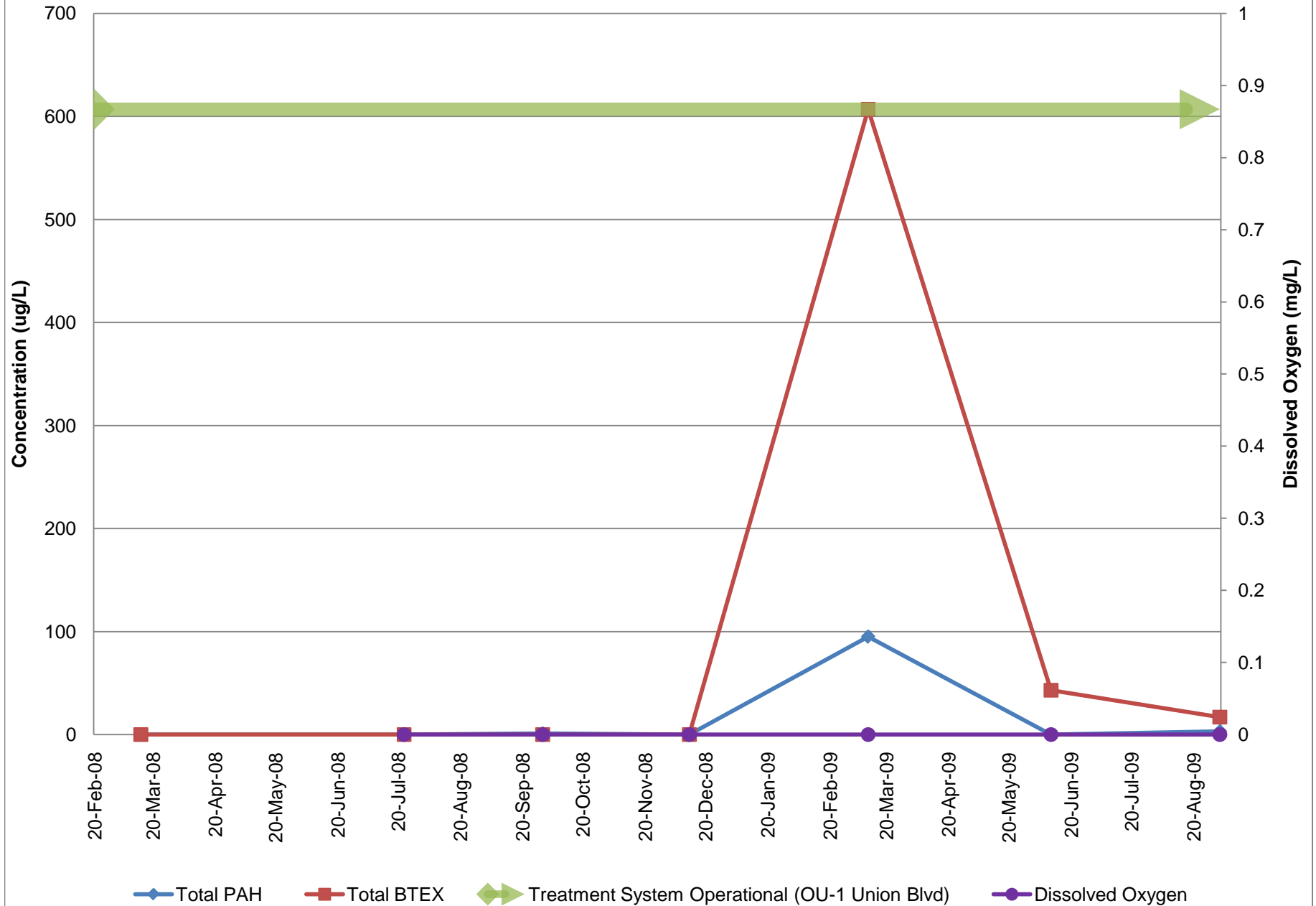
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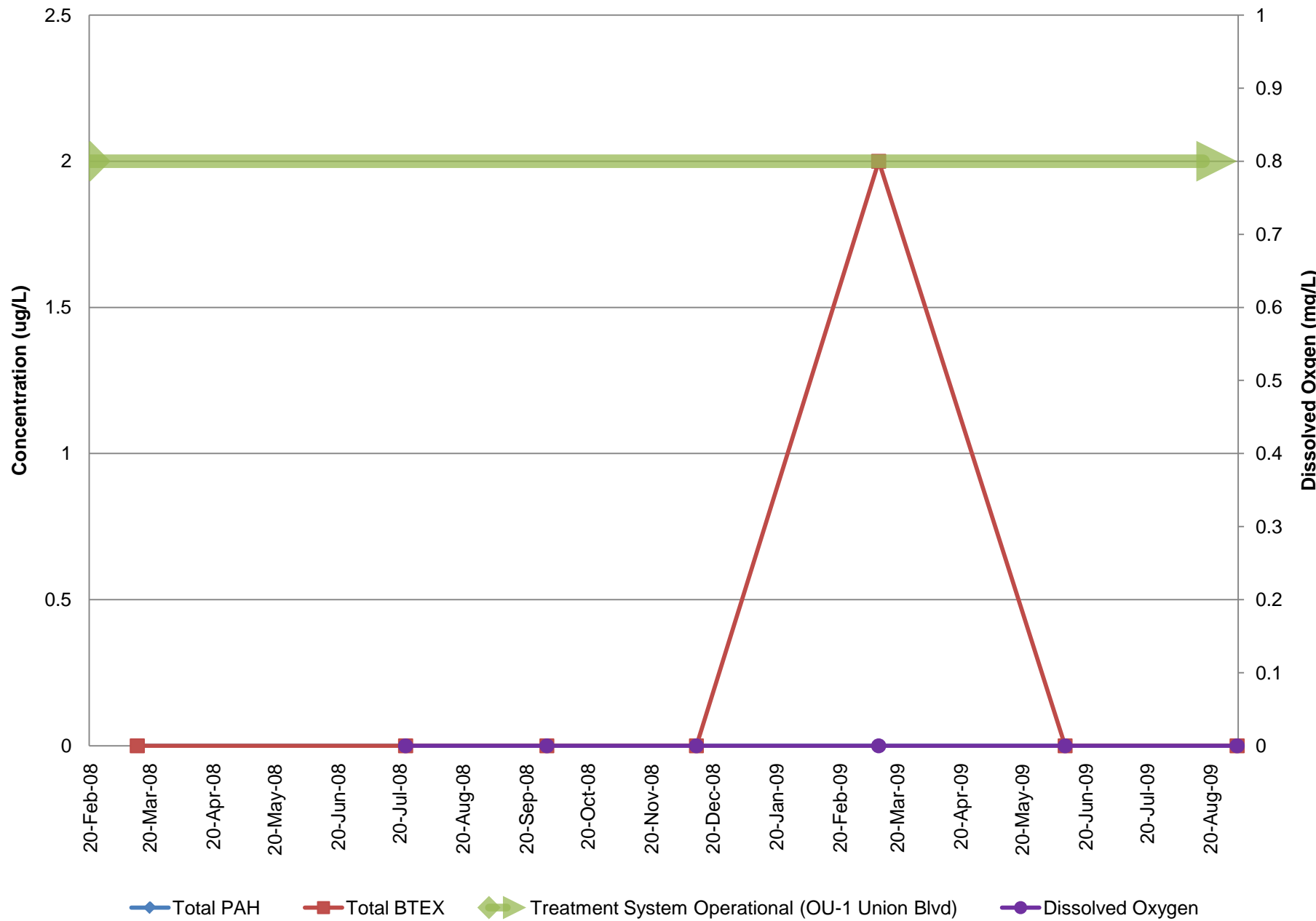
Monitoring Well OZMW-22D 55-65 ft bgs



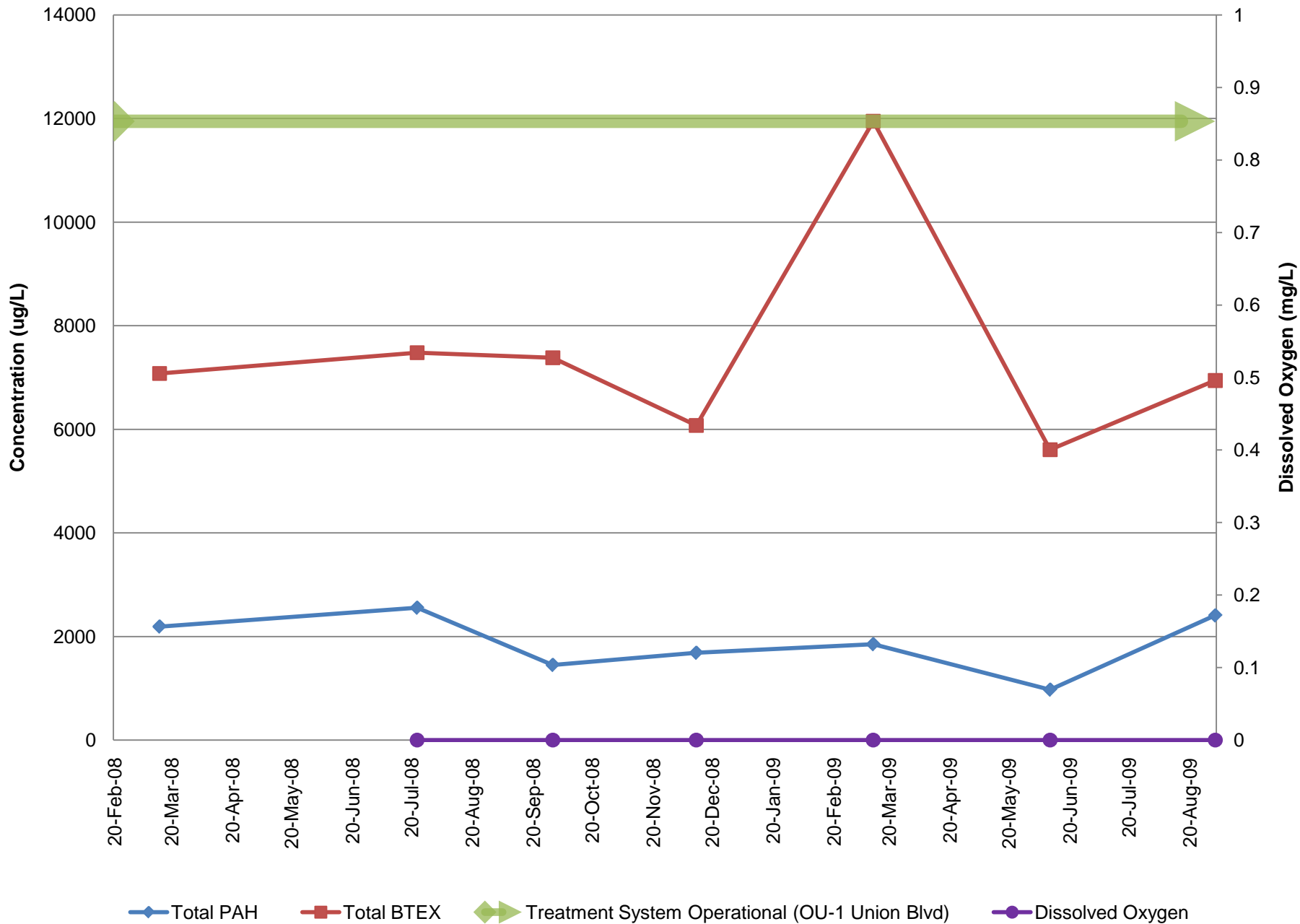
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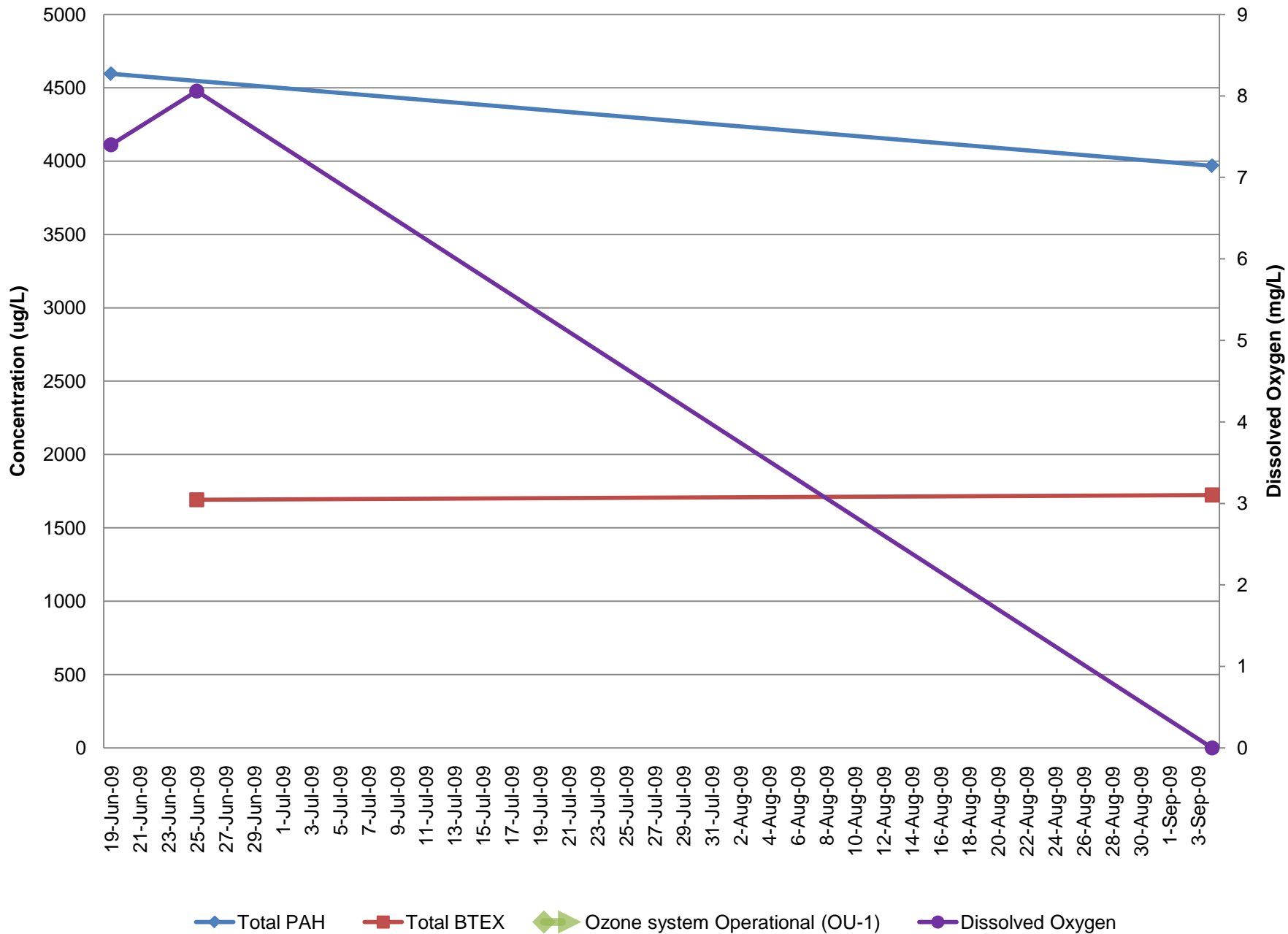
Monitoring Well OZMW-2212 35-45 ft bgs



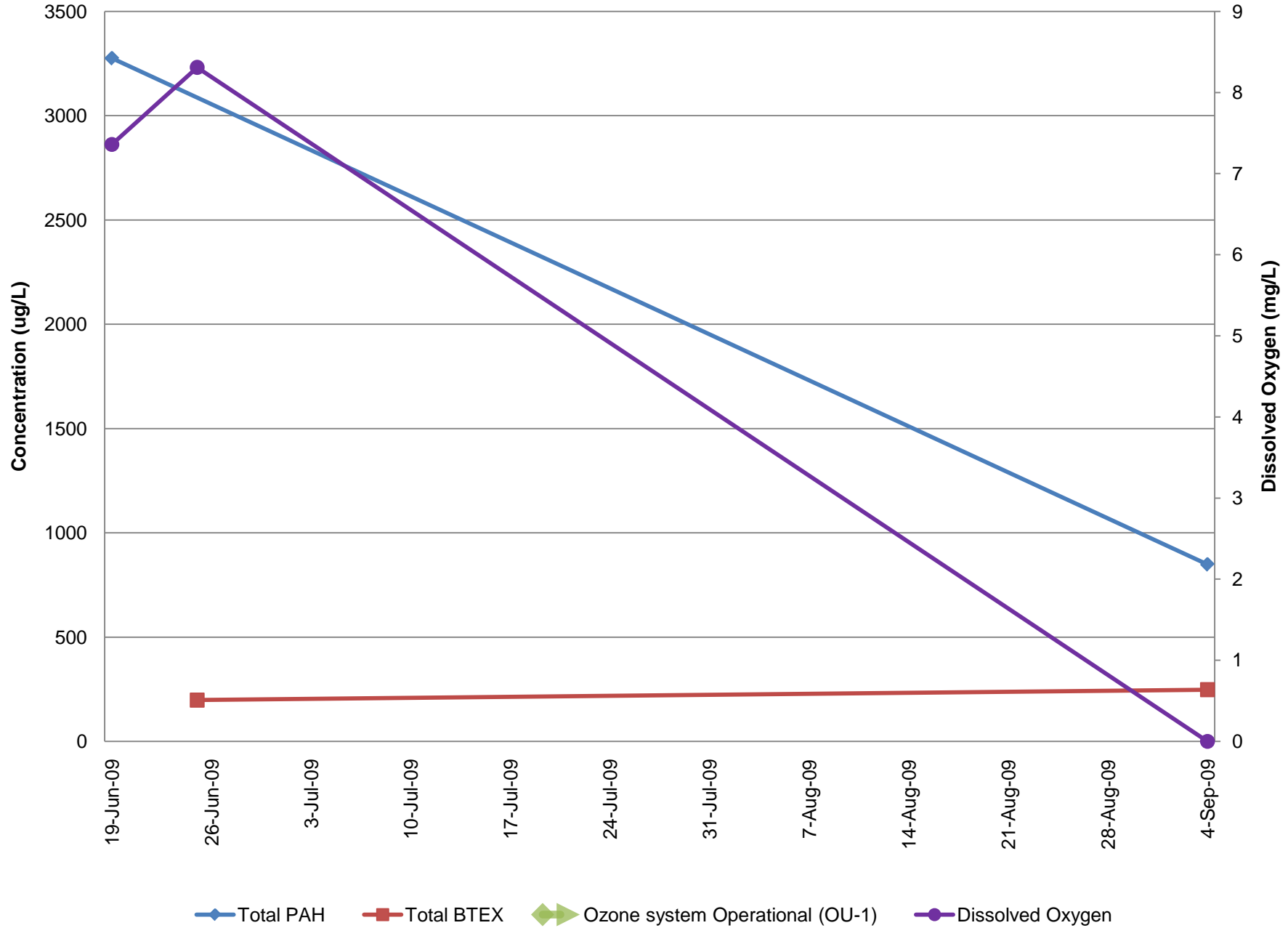
Monitoring Well OZMW-22S 5-15 ft bgs



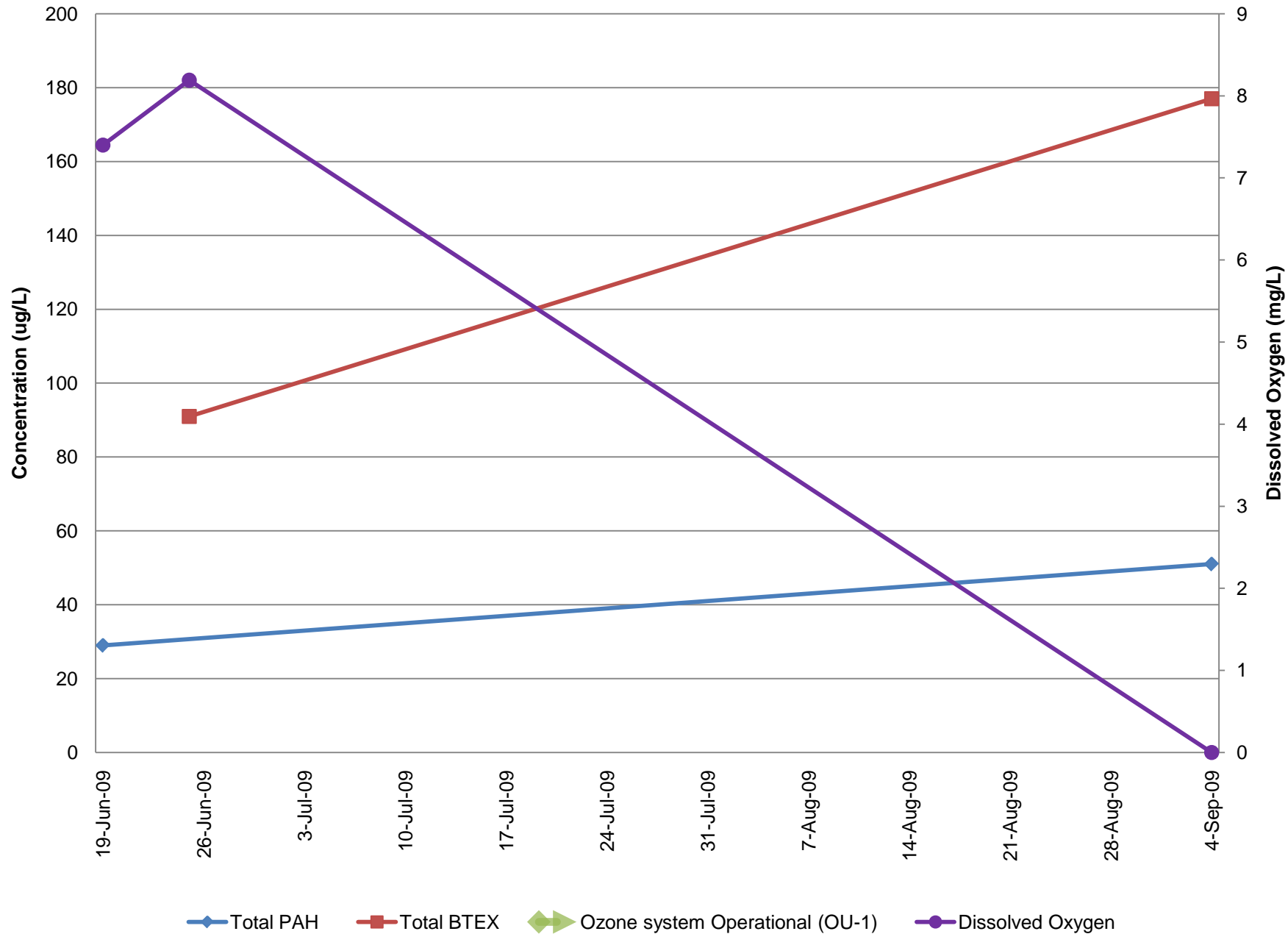
Monitoring Well OZMW-25S 5-15 ft bgs



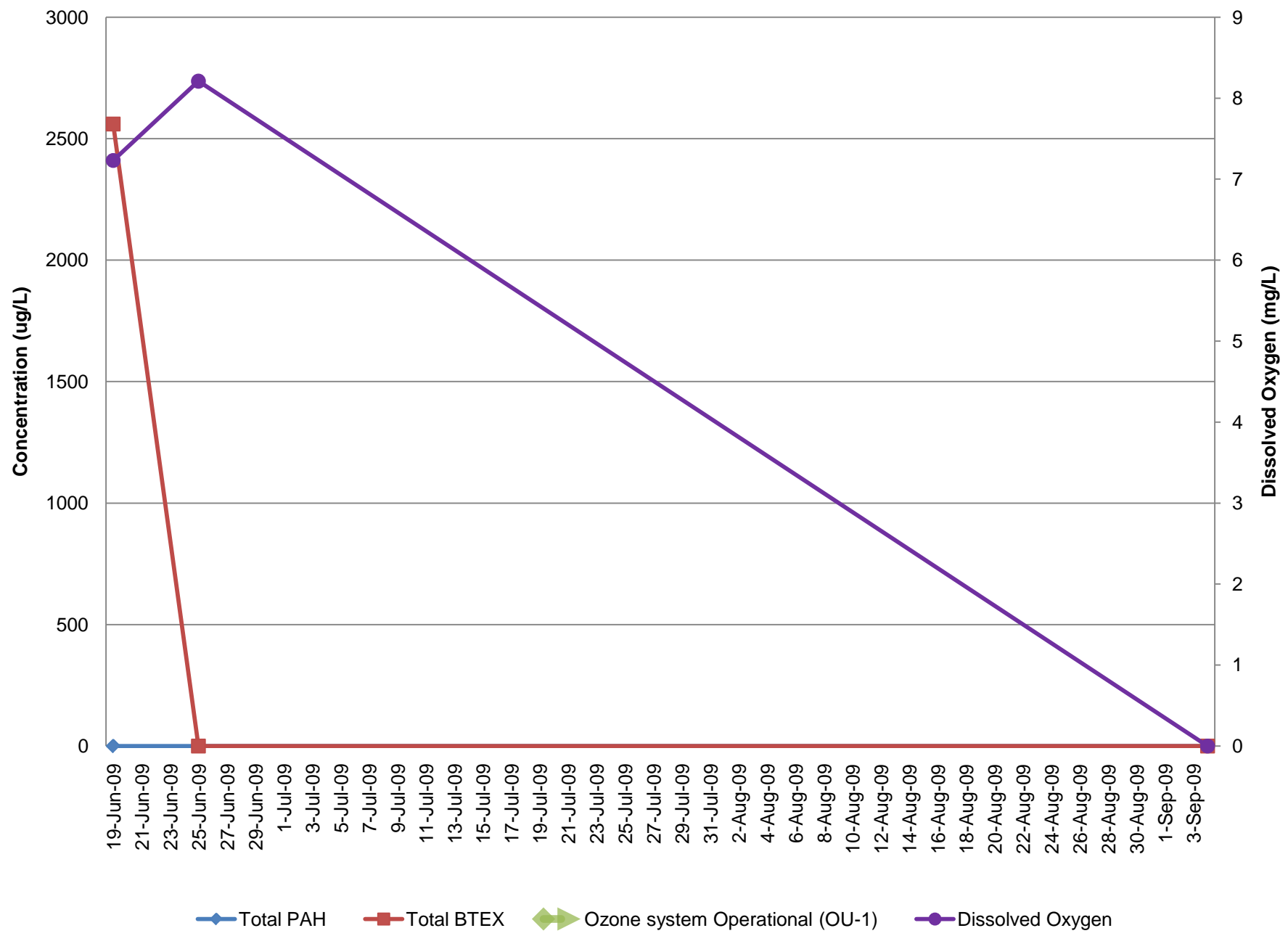
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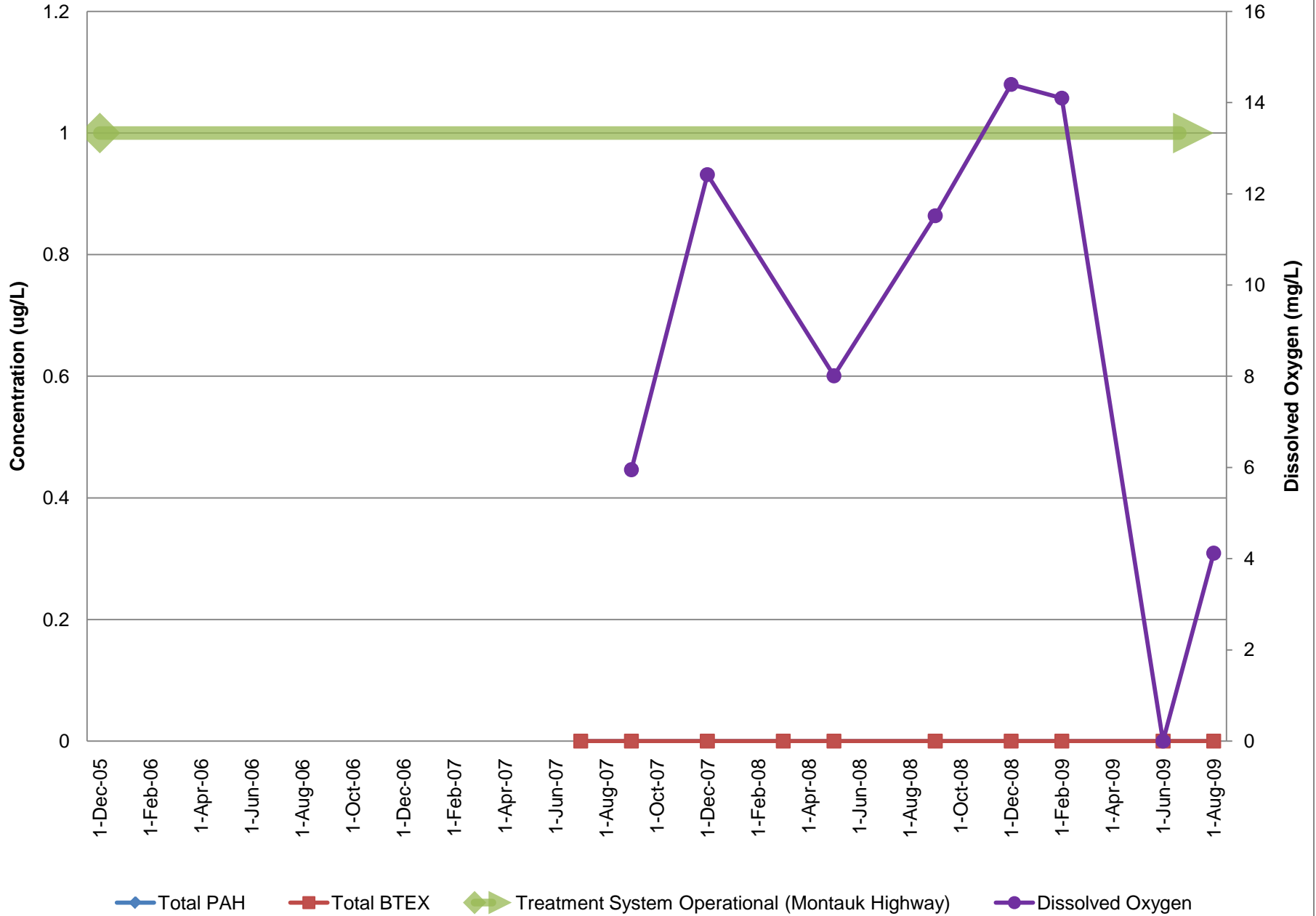
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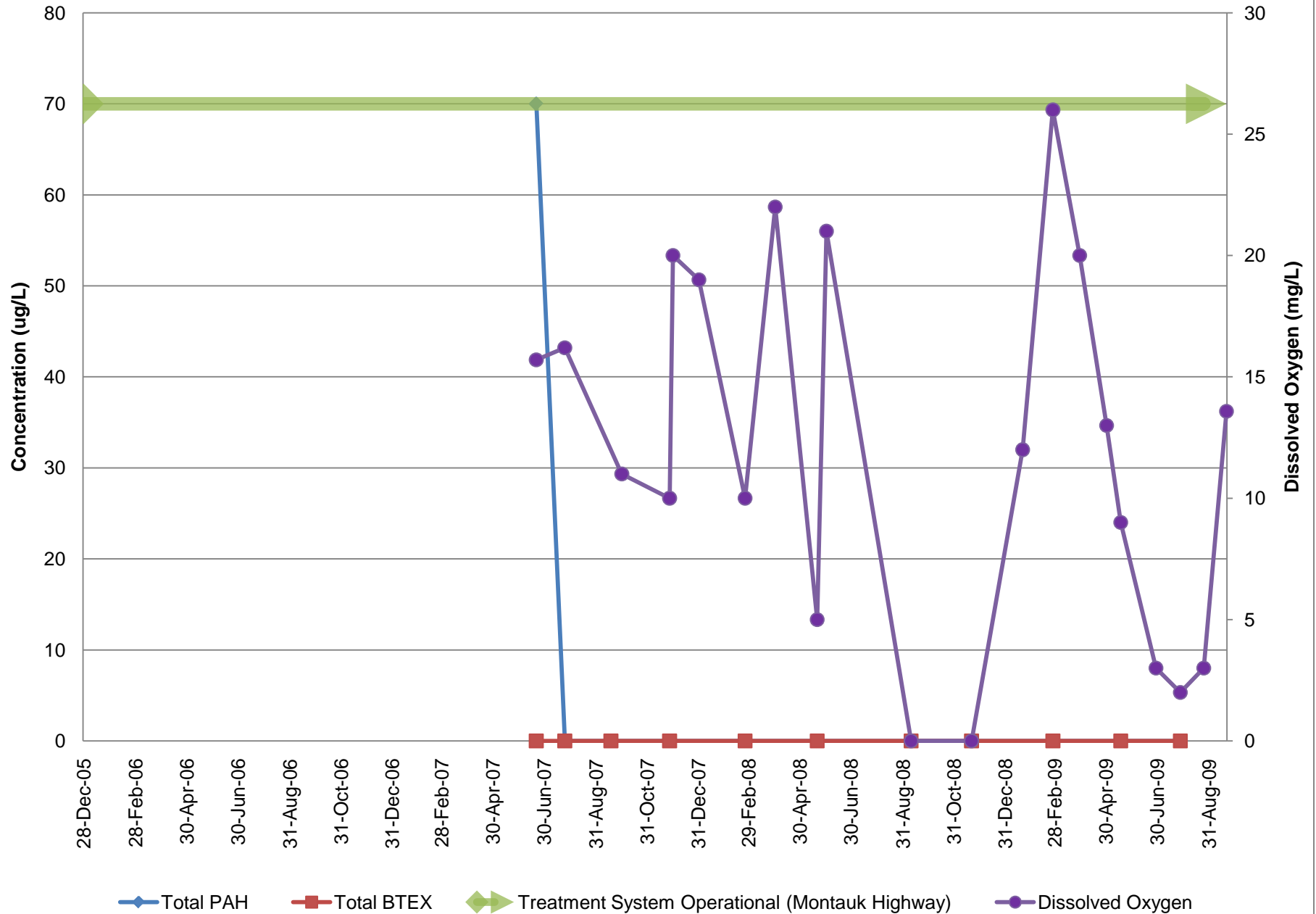
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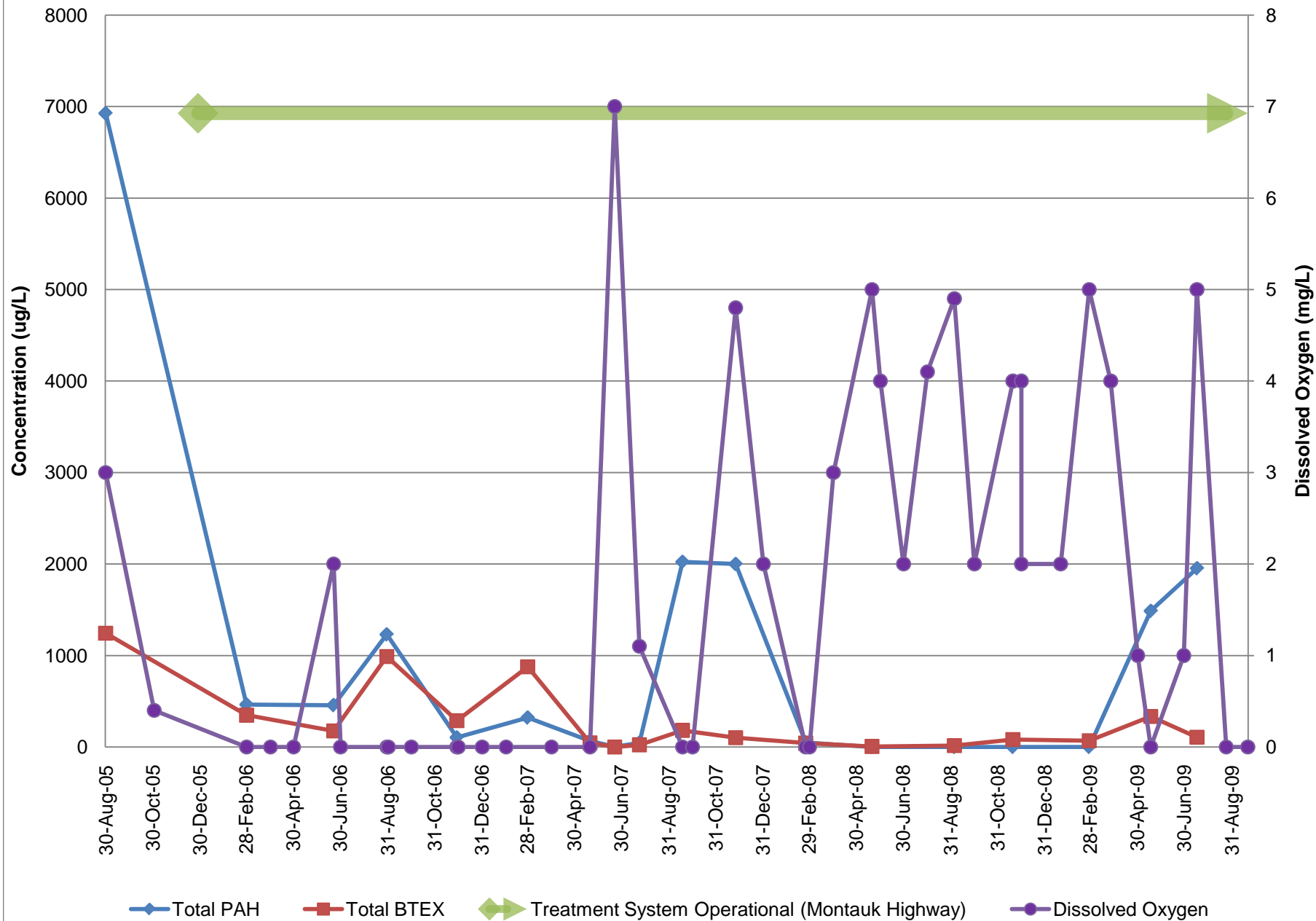
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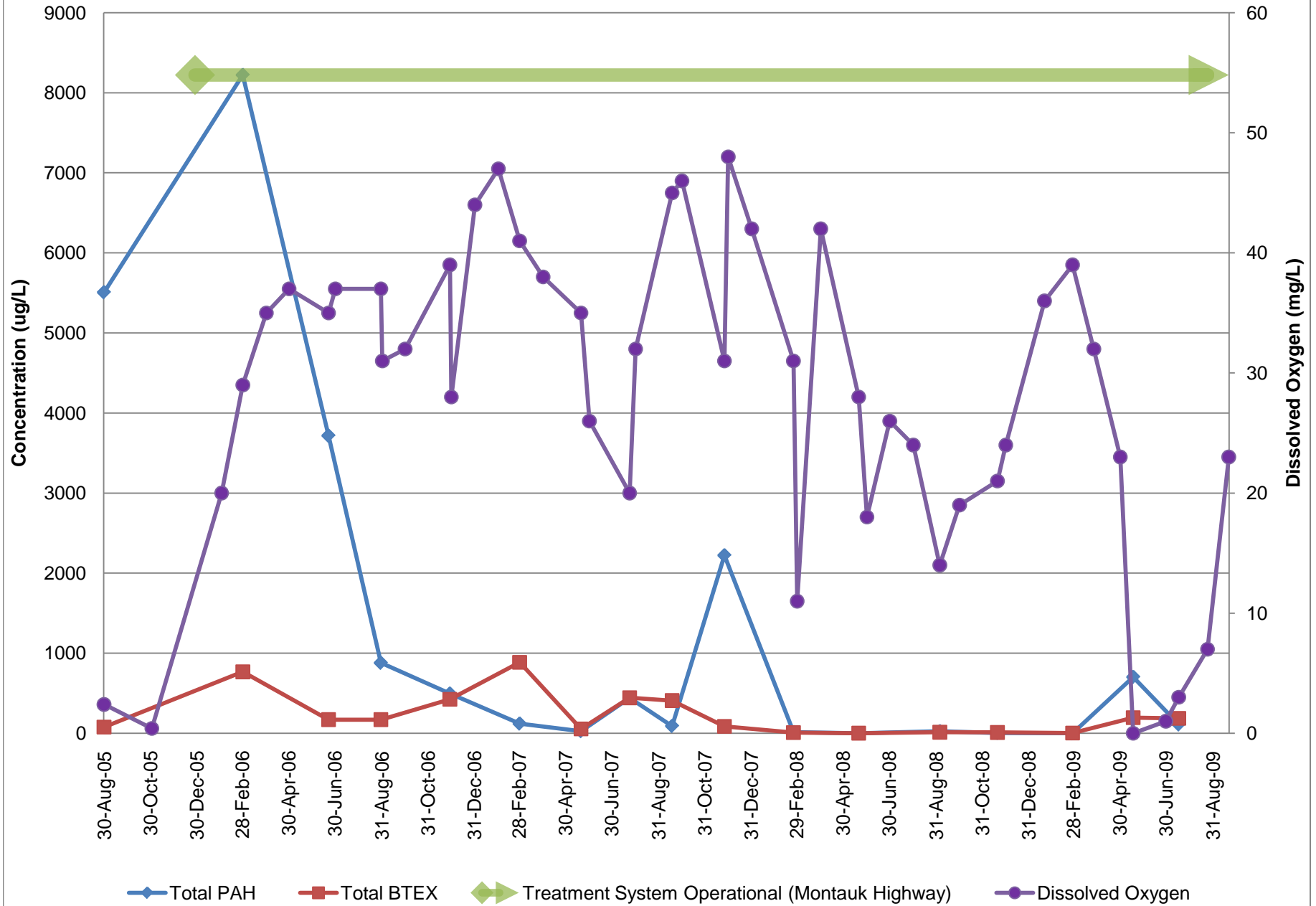
Monitoring Well OU2MW-01WT 3-8 ft bgs



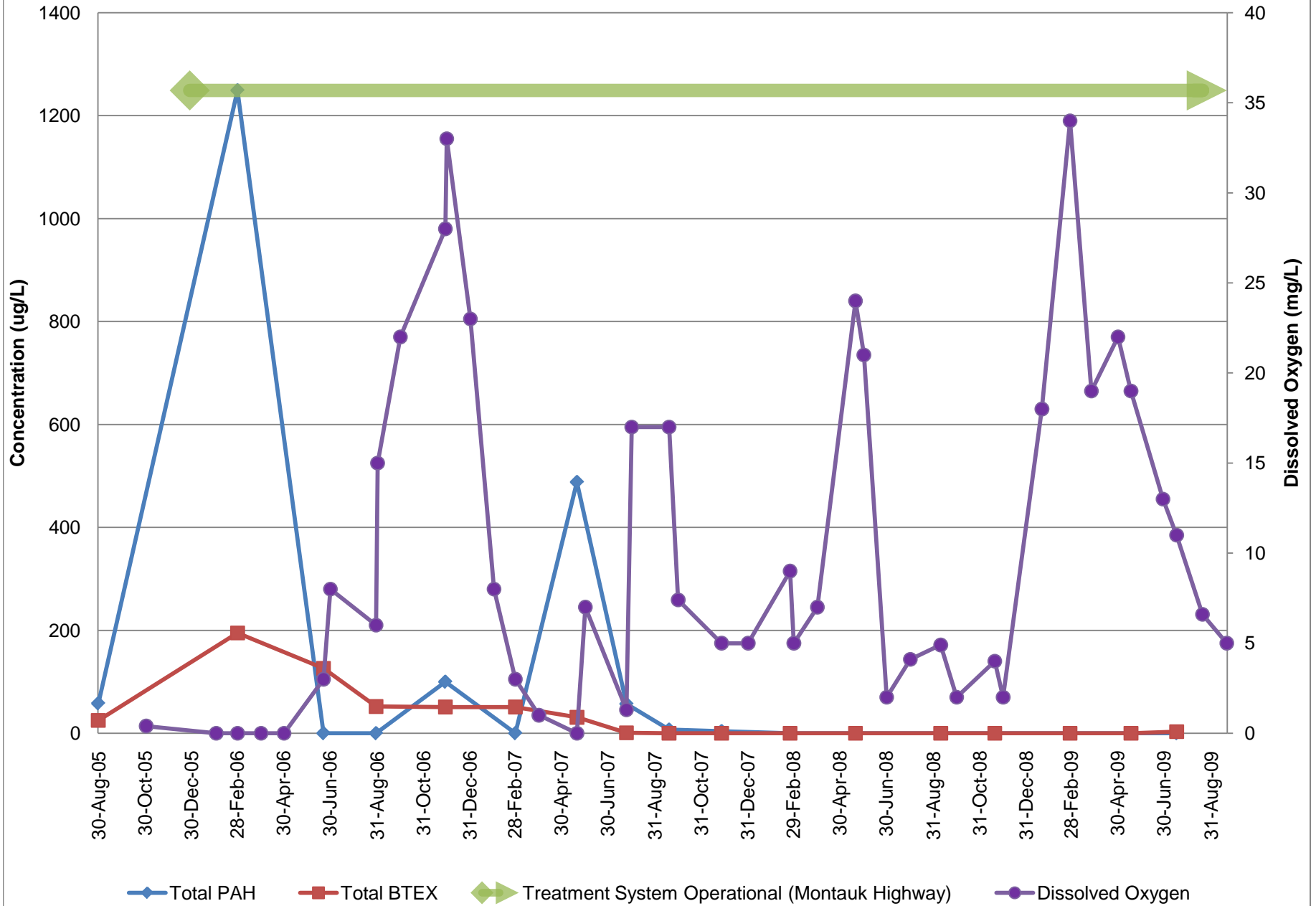
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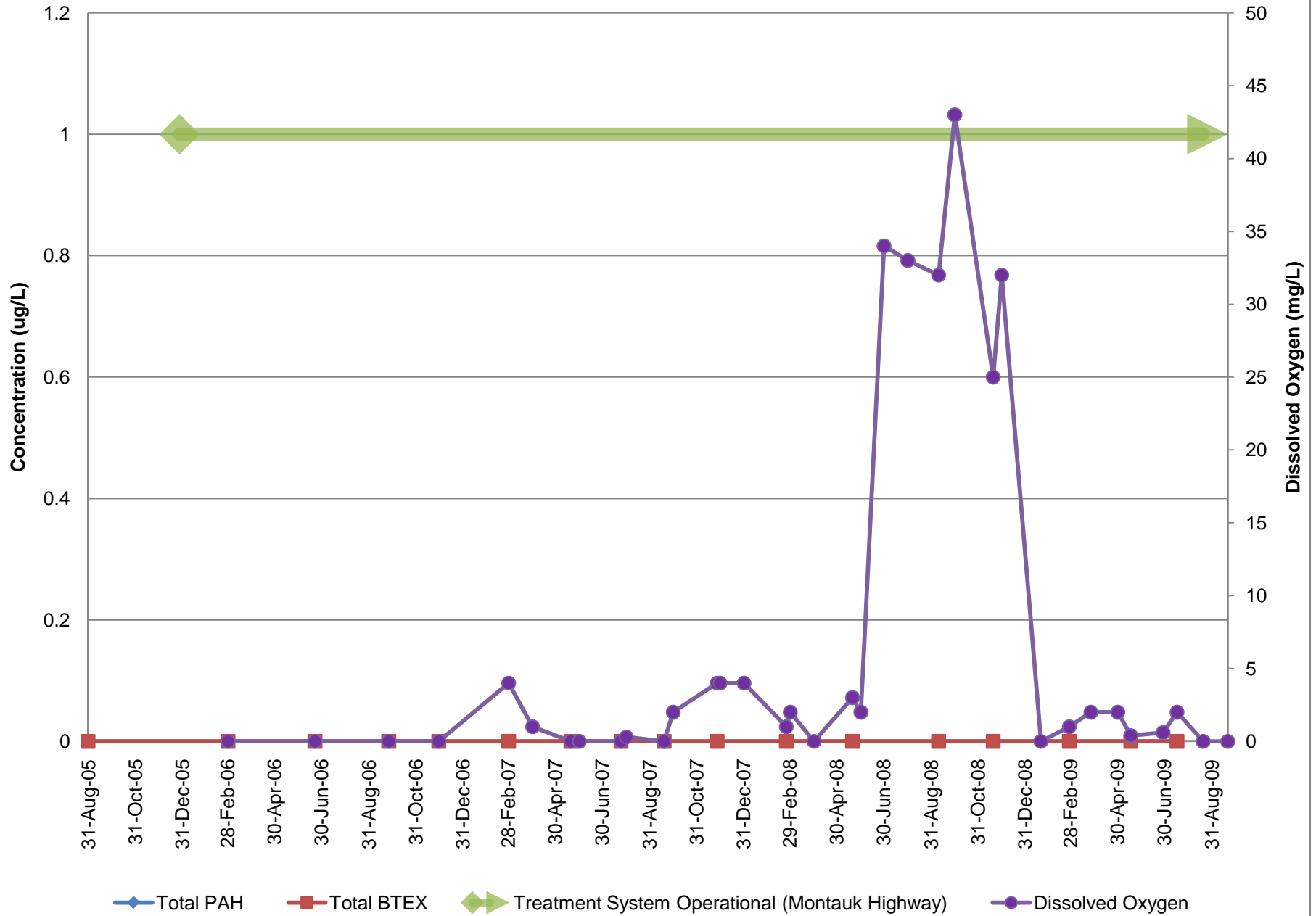
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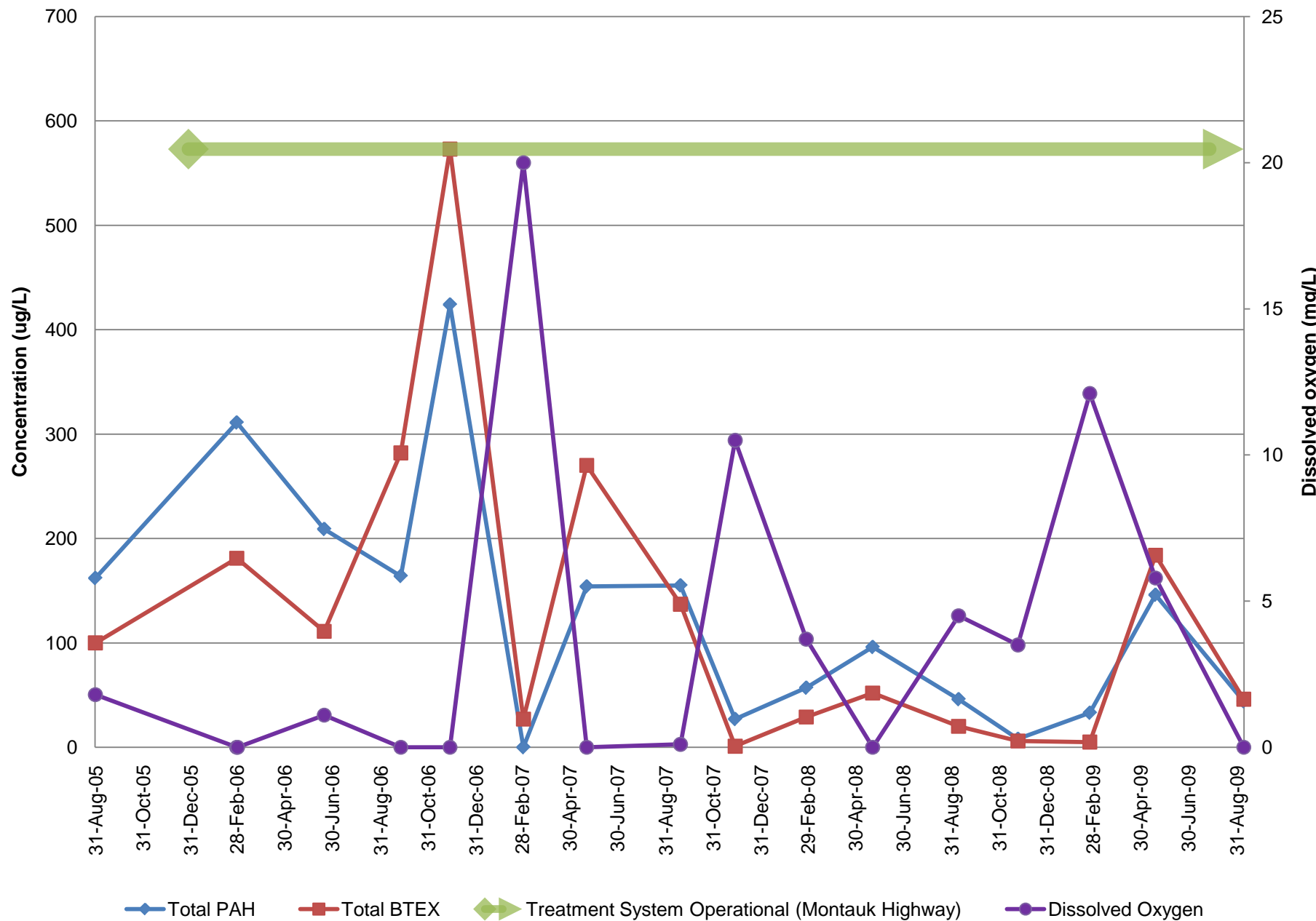
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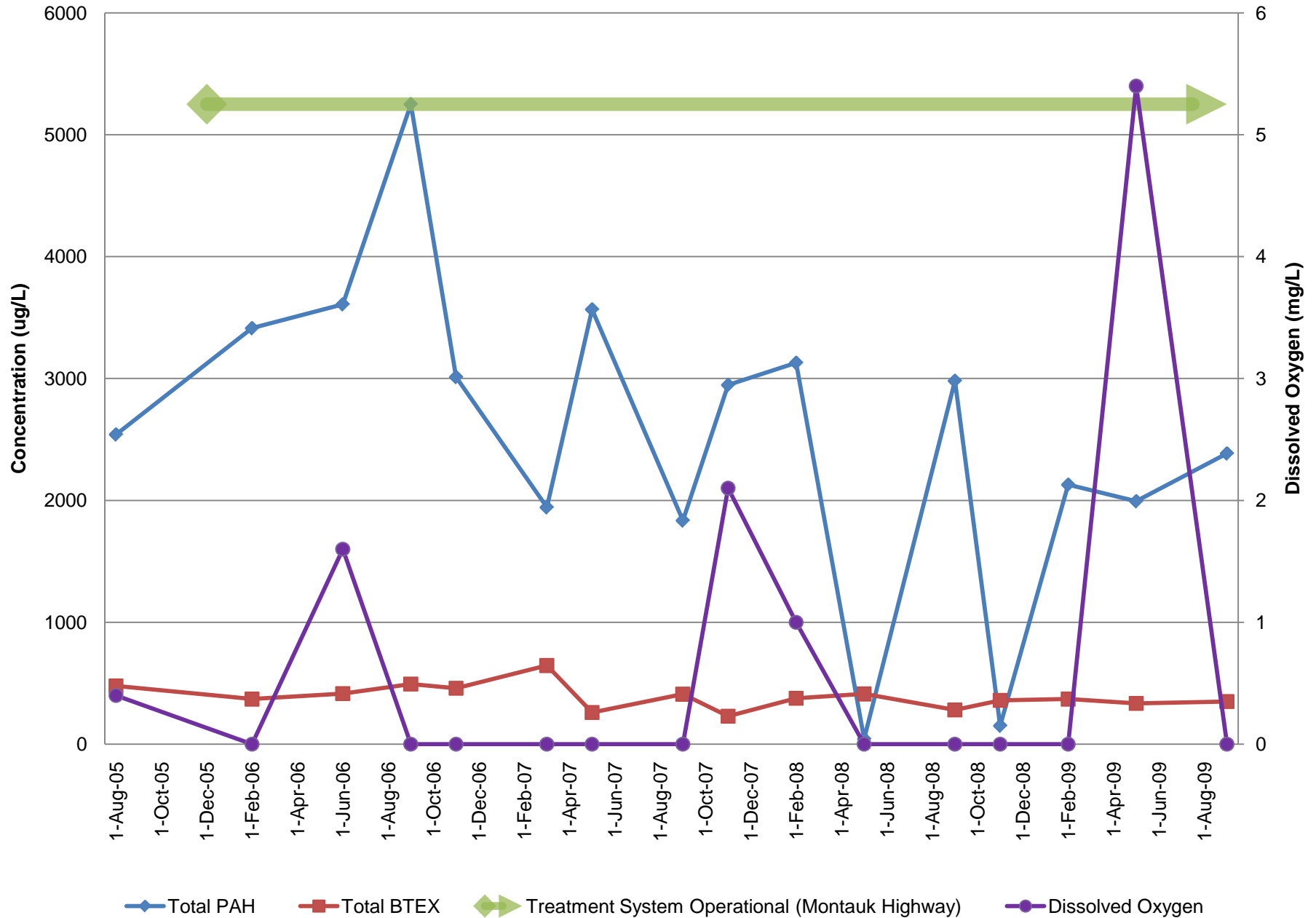
Monitoring Well OU2MW-01D 65-70 ft bgs



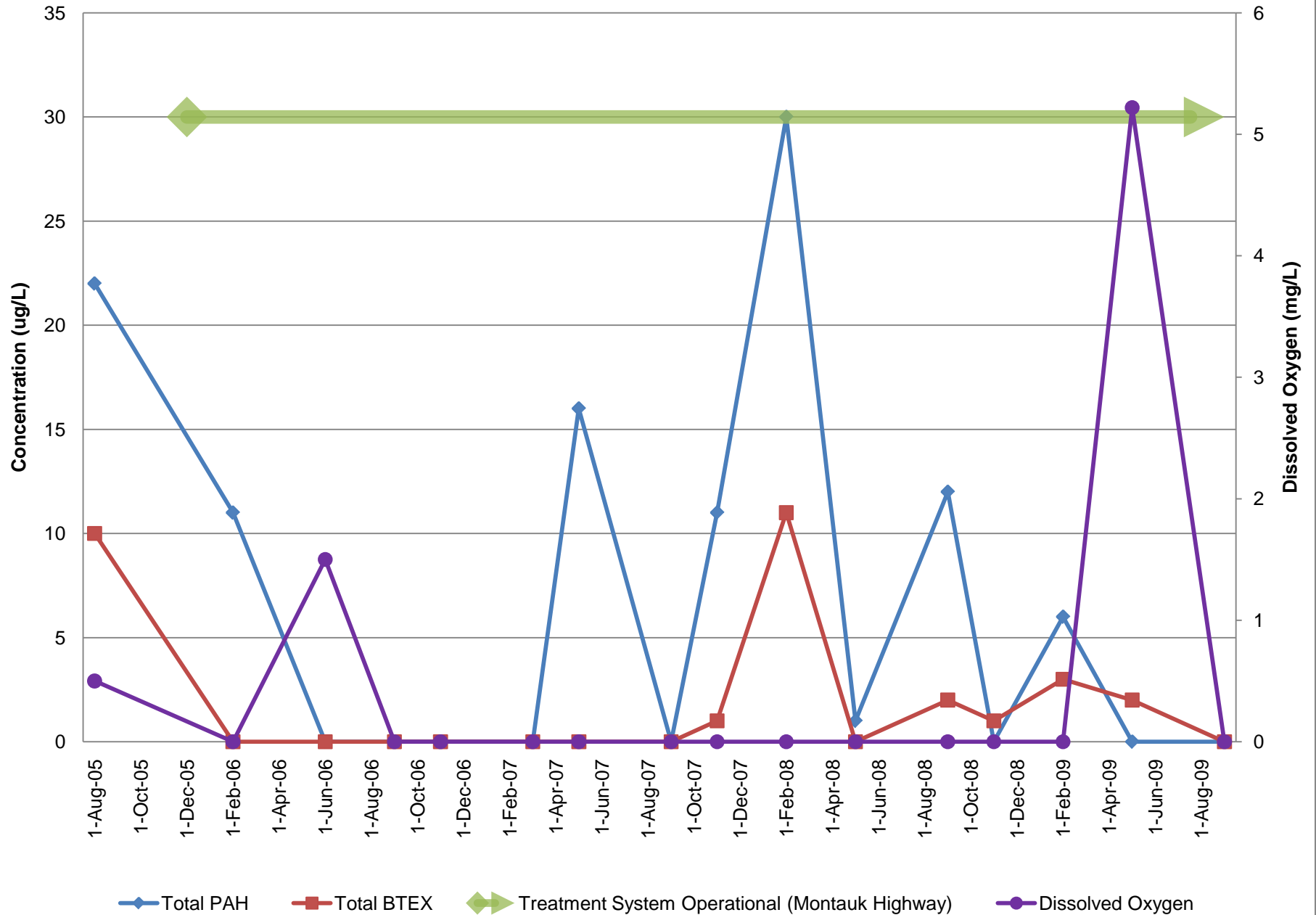
Monitoring Well OU2MW-02S 20-25 ft bgs



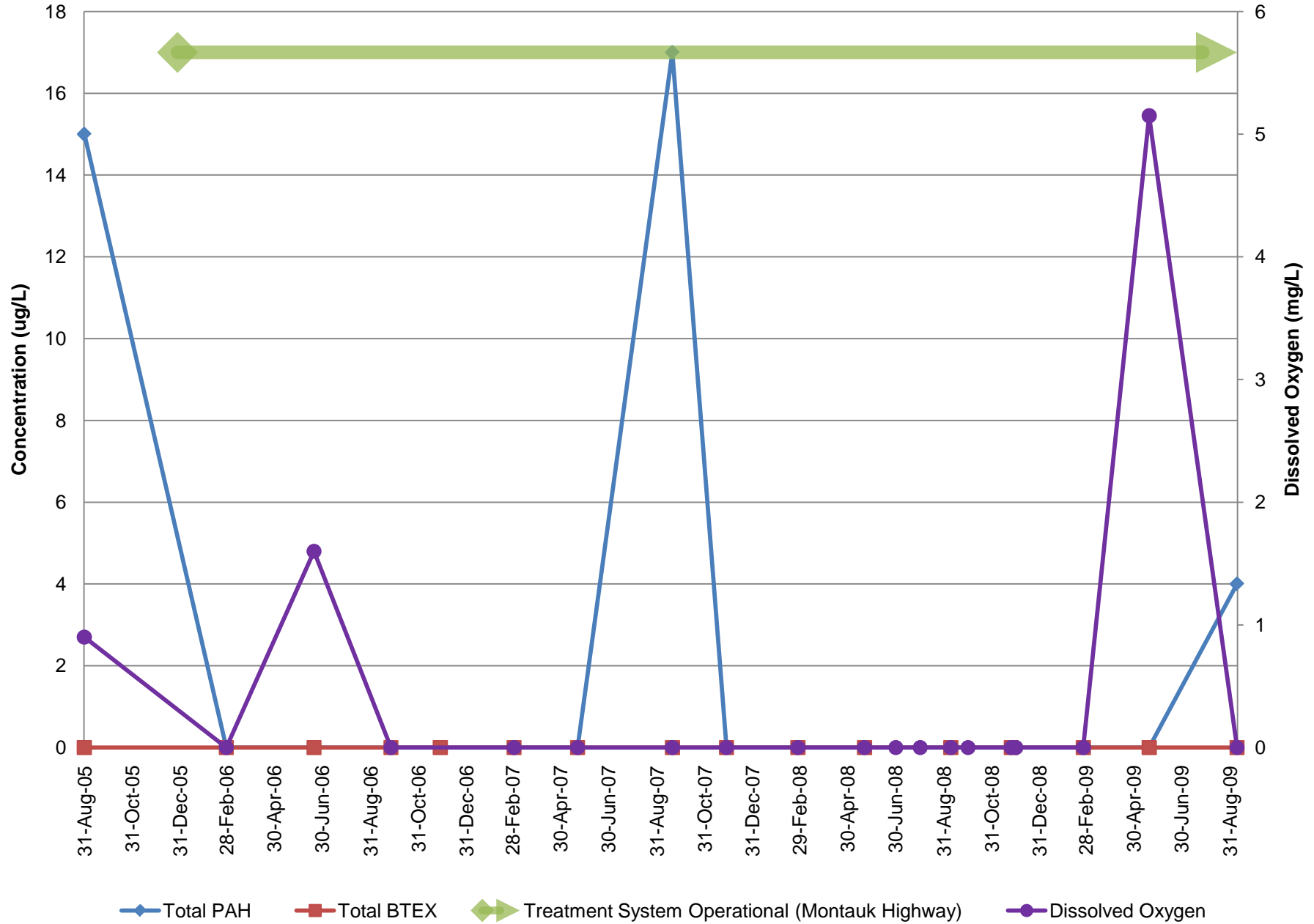
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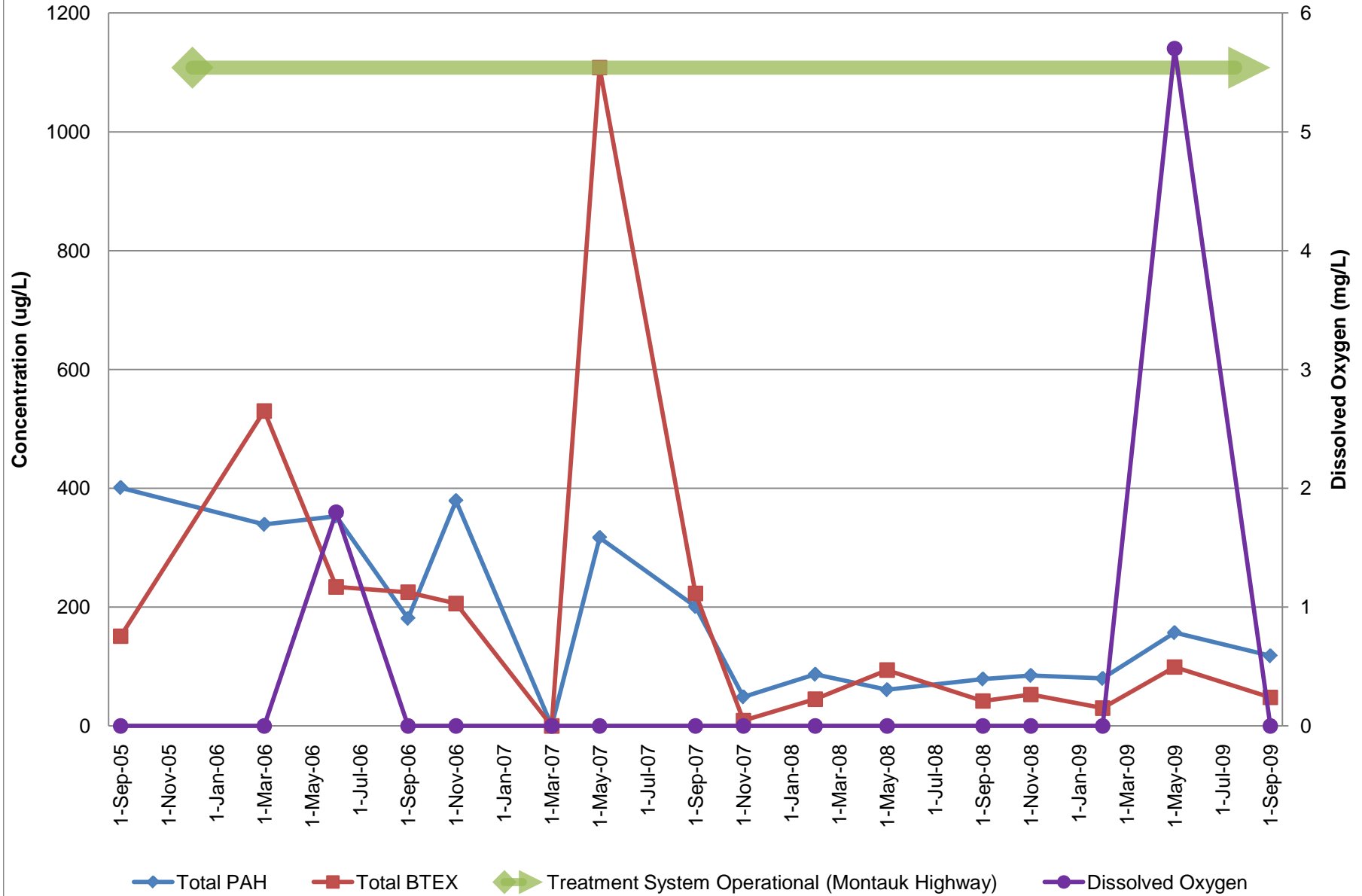
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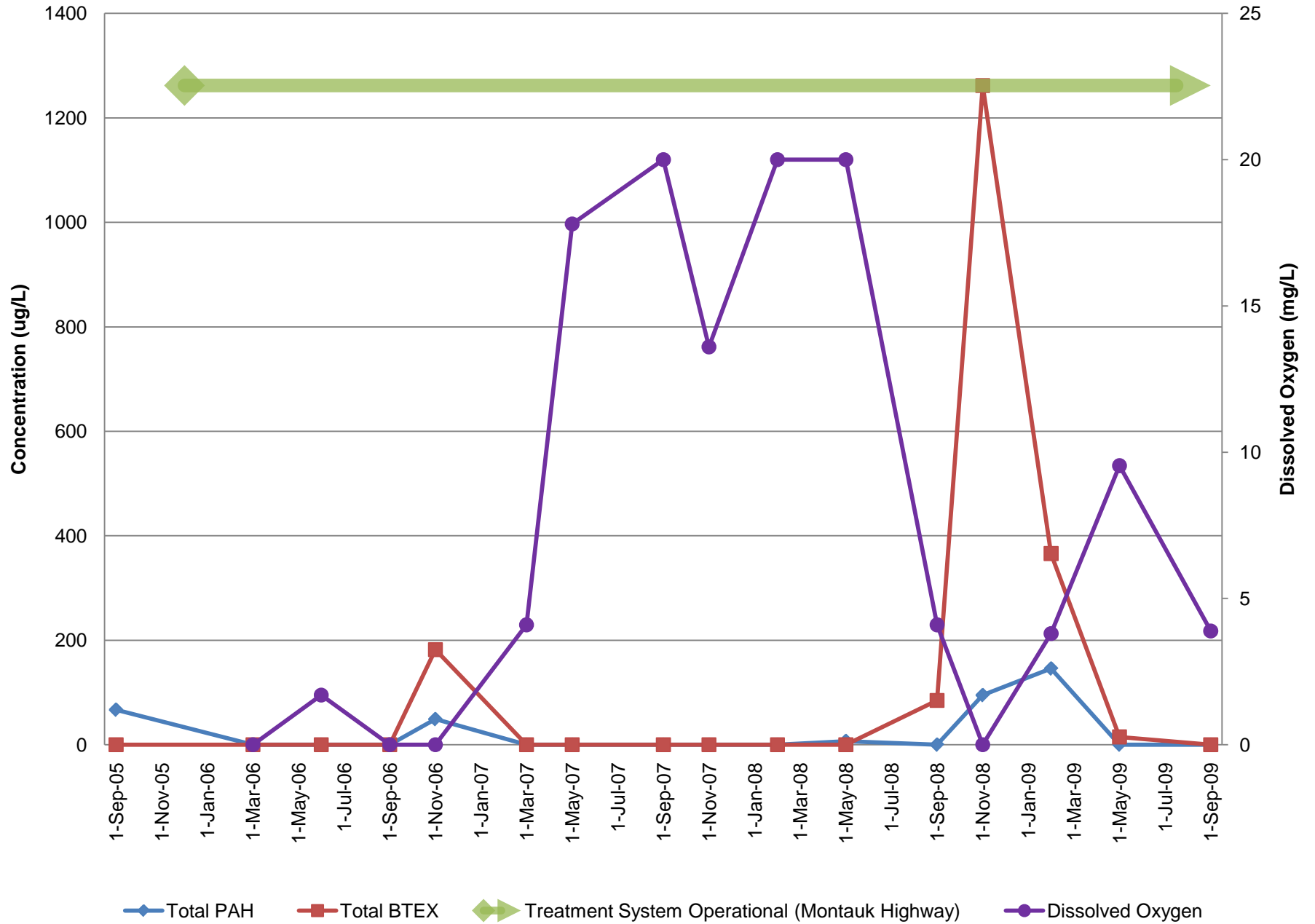
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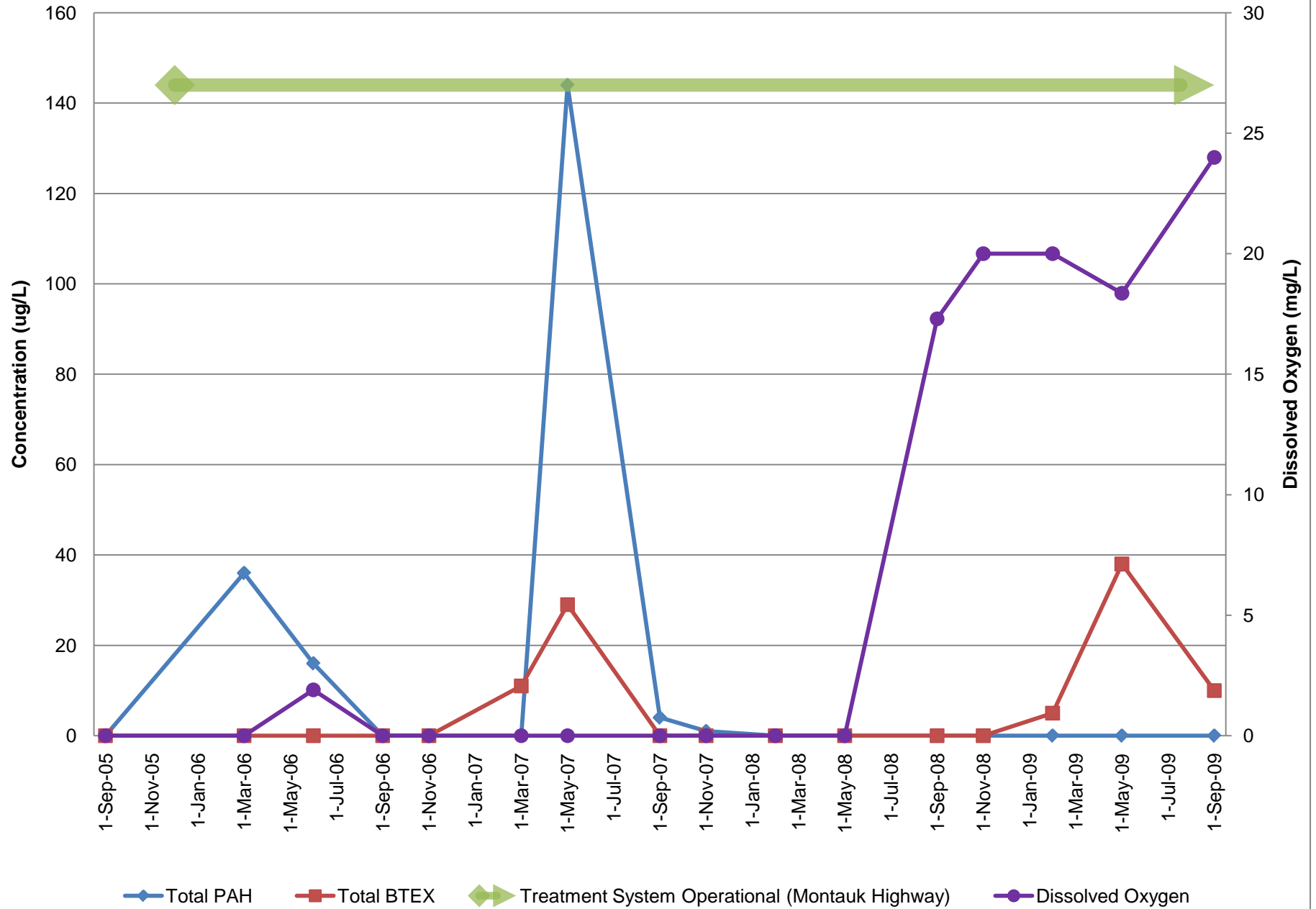
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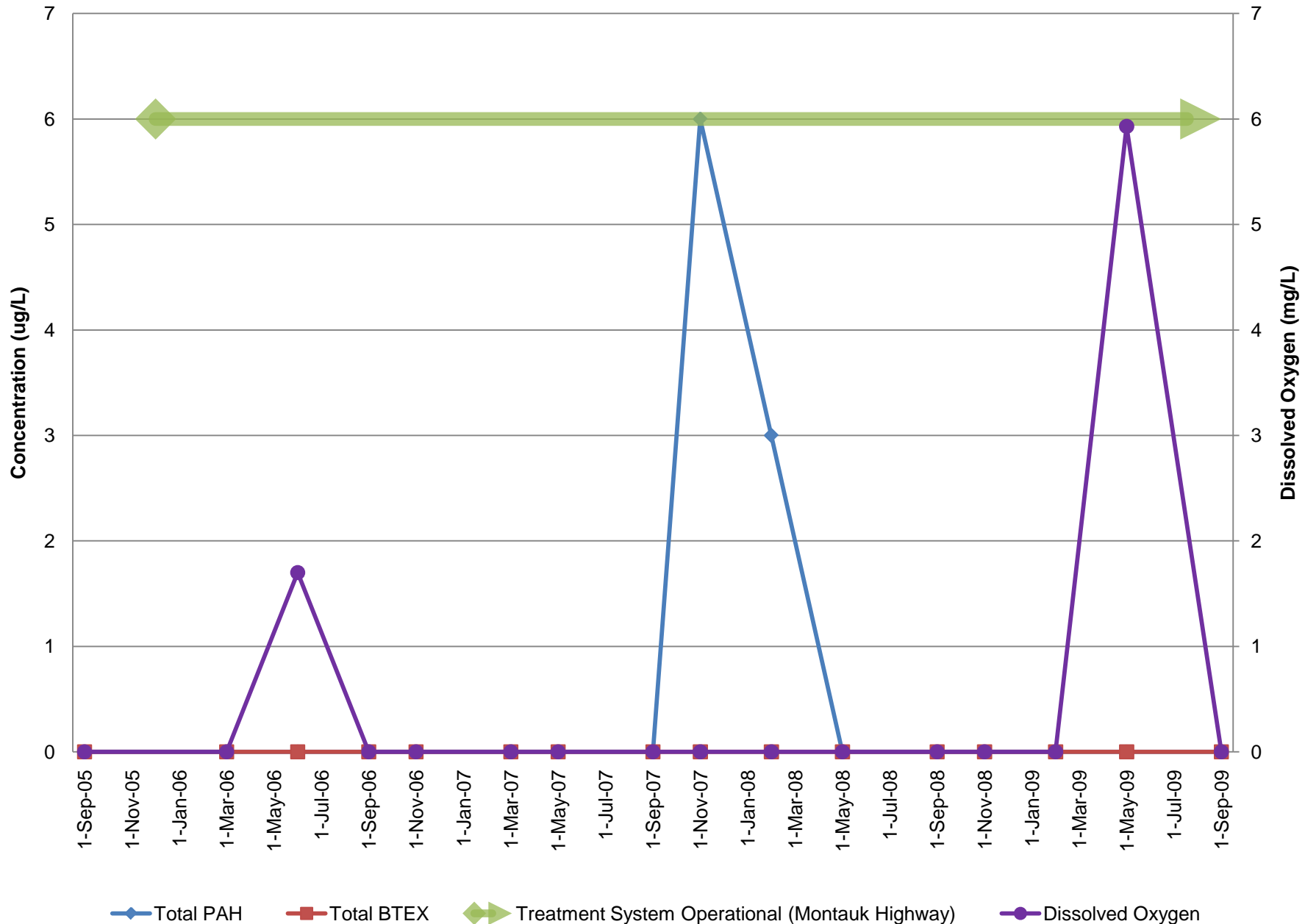
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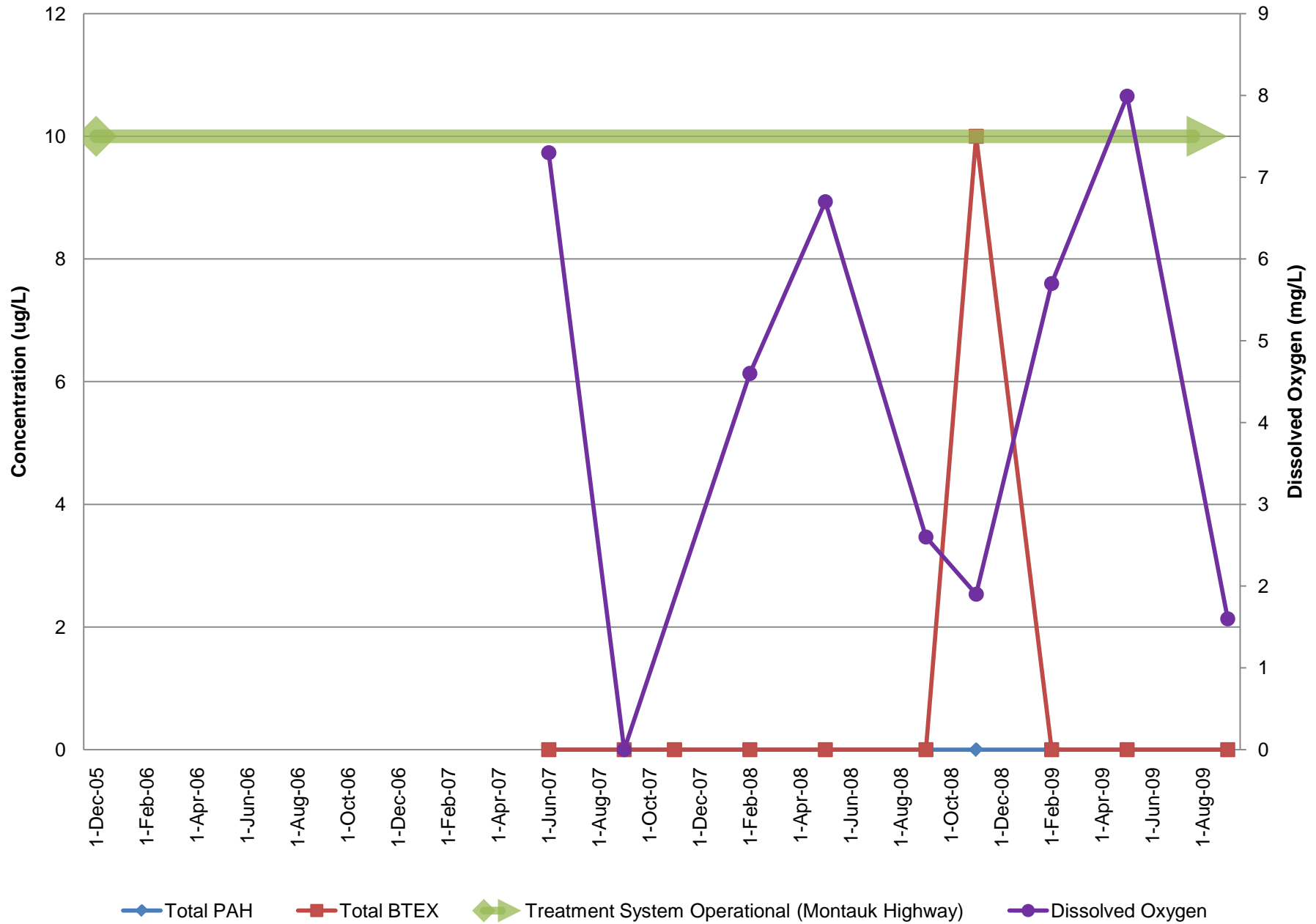
Monitoring Well OU2MW-0312 50-55 ft bgs



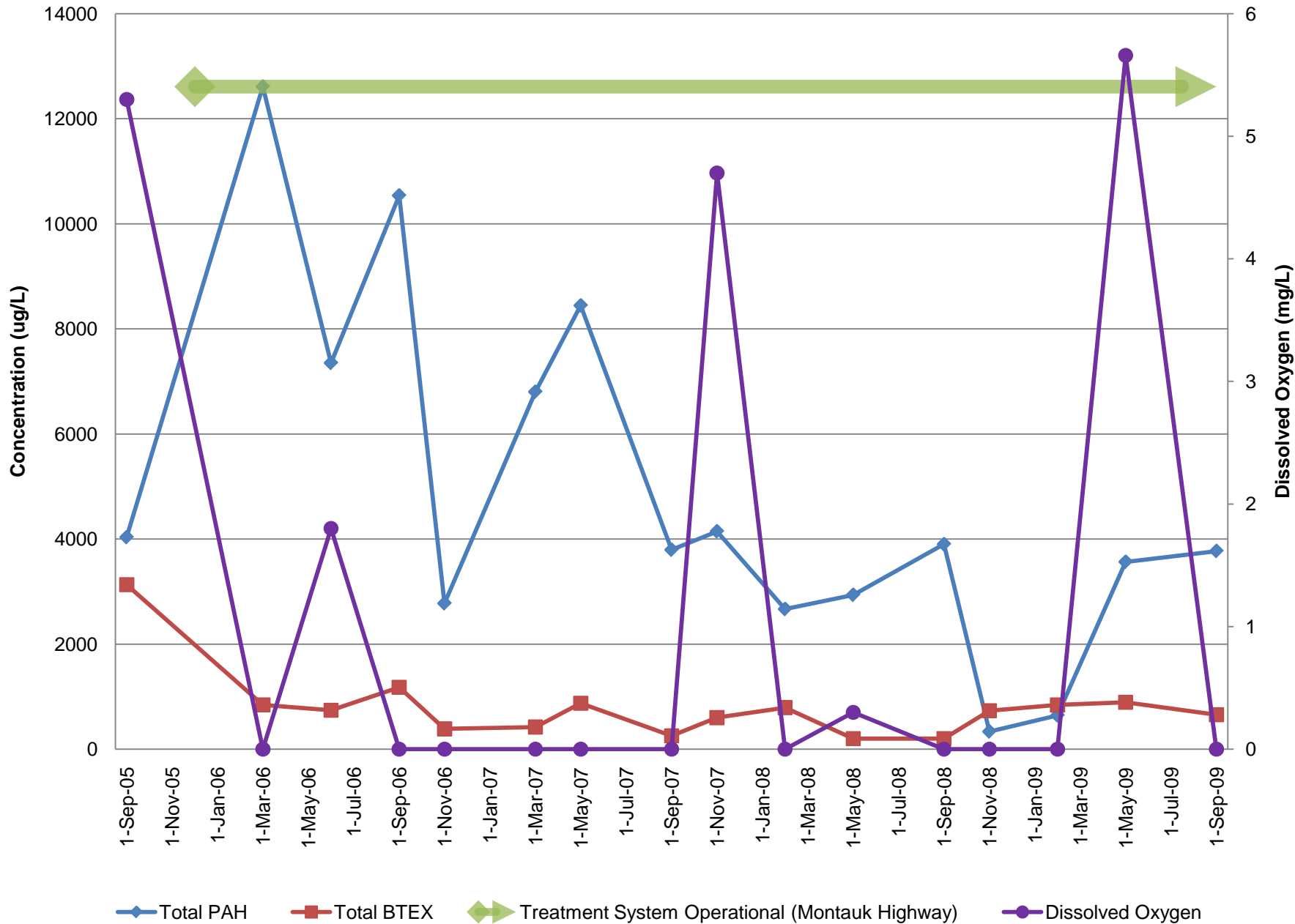
Monitoring Well OU2MW-03D 65-70 ft bgs



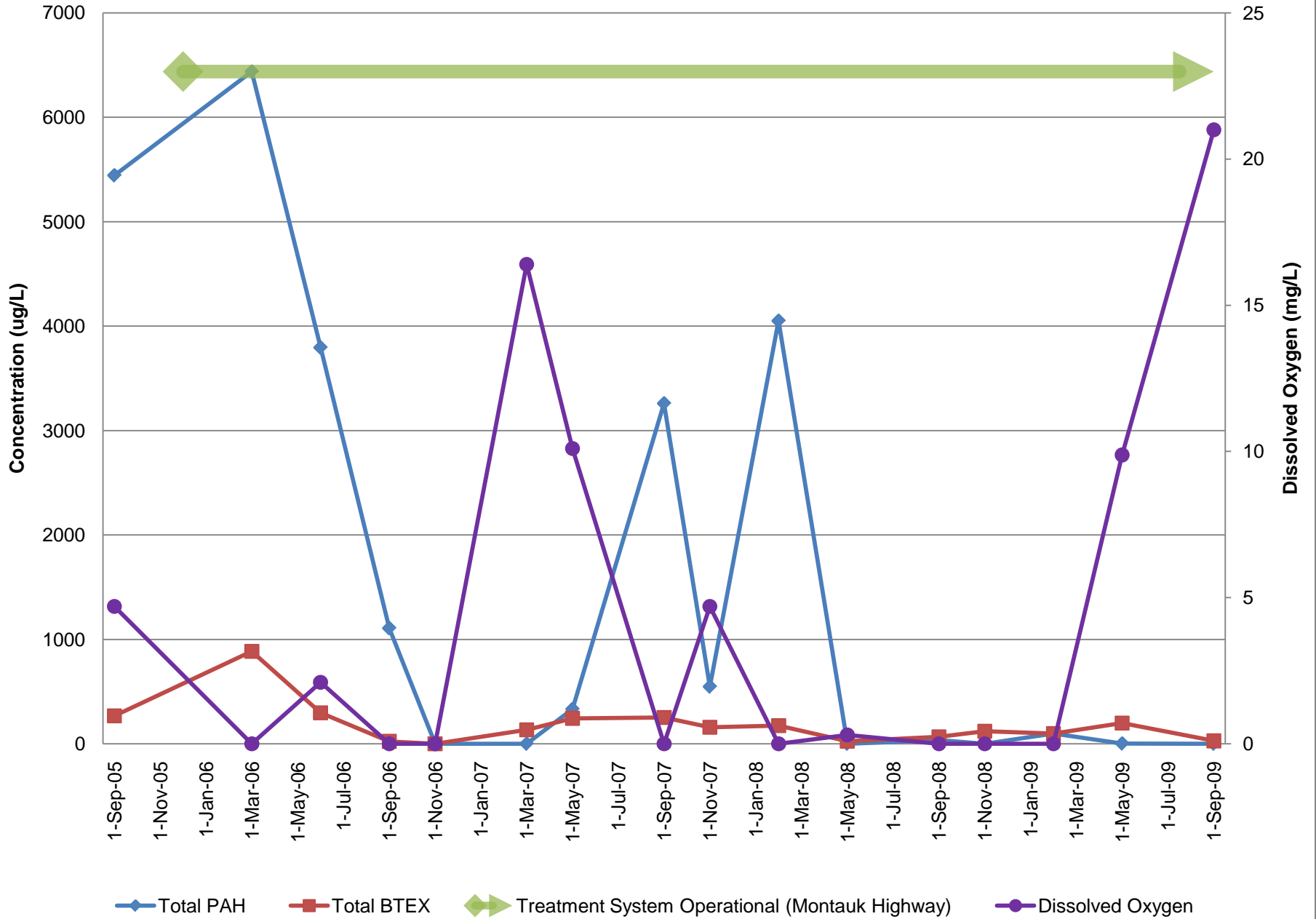
Monitoring Well OU2MW-04WT 3-8 ft bgs



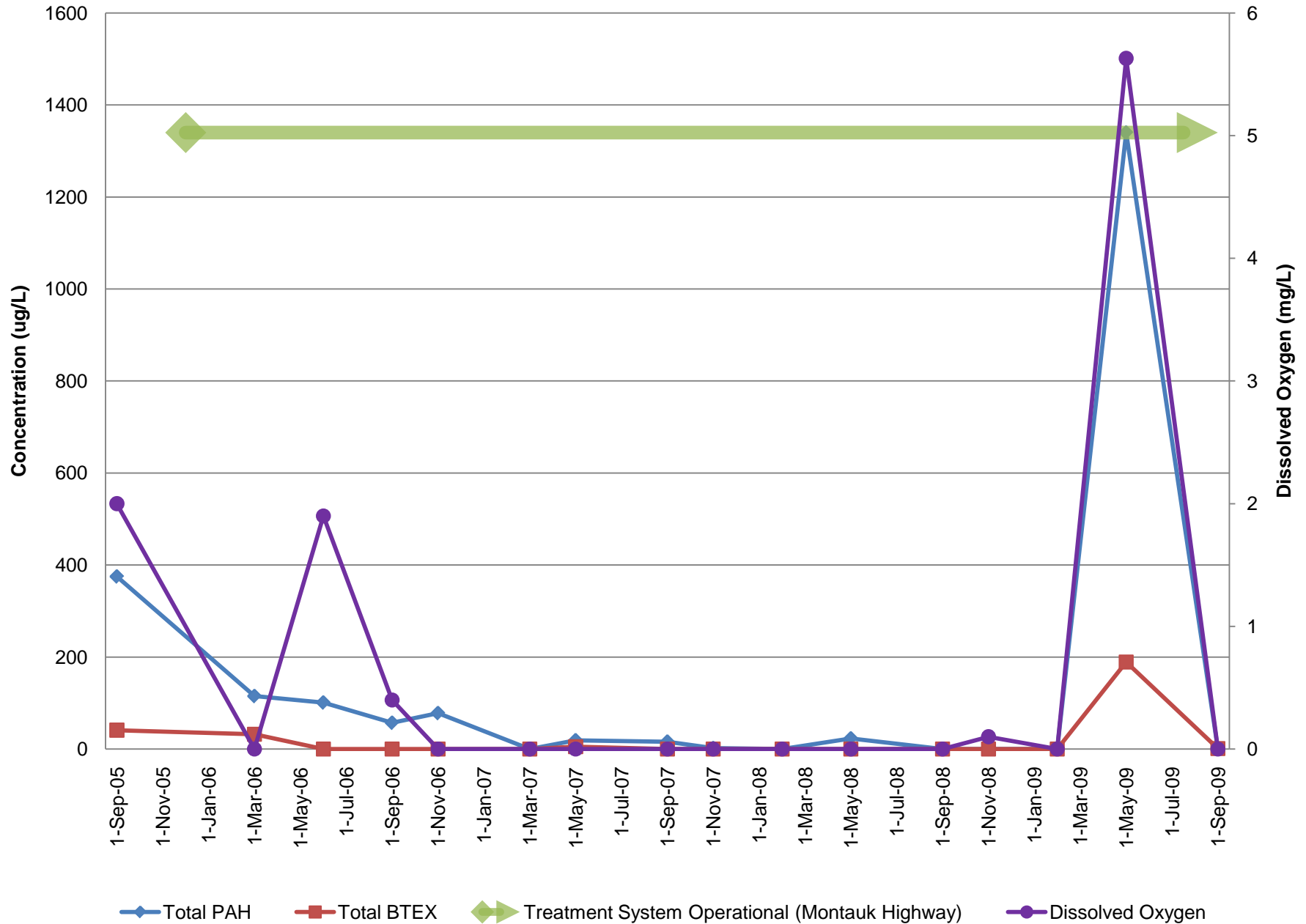
Monitoring Well OU2MW-04S 20-25 ft bgs



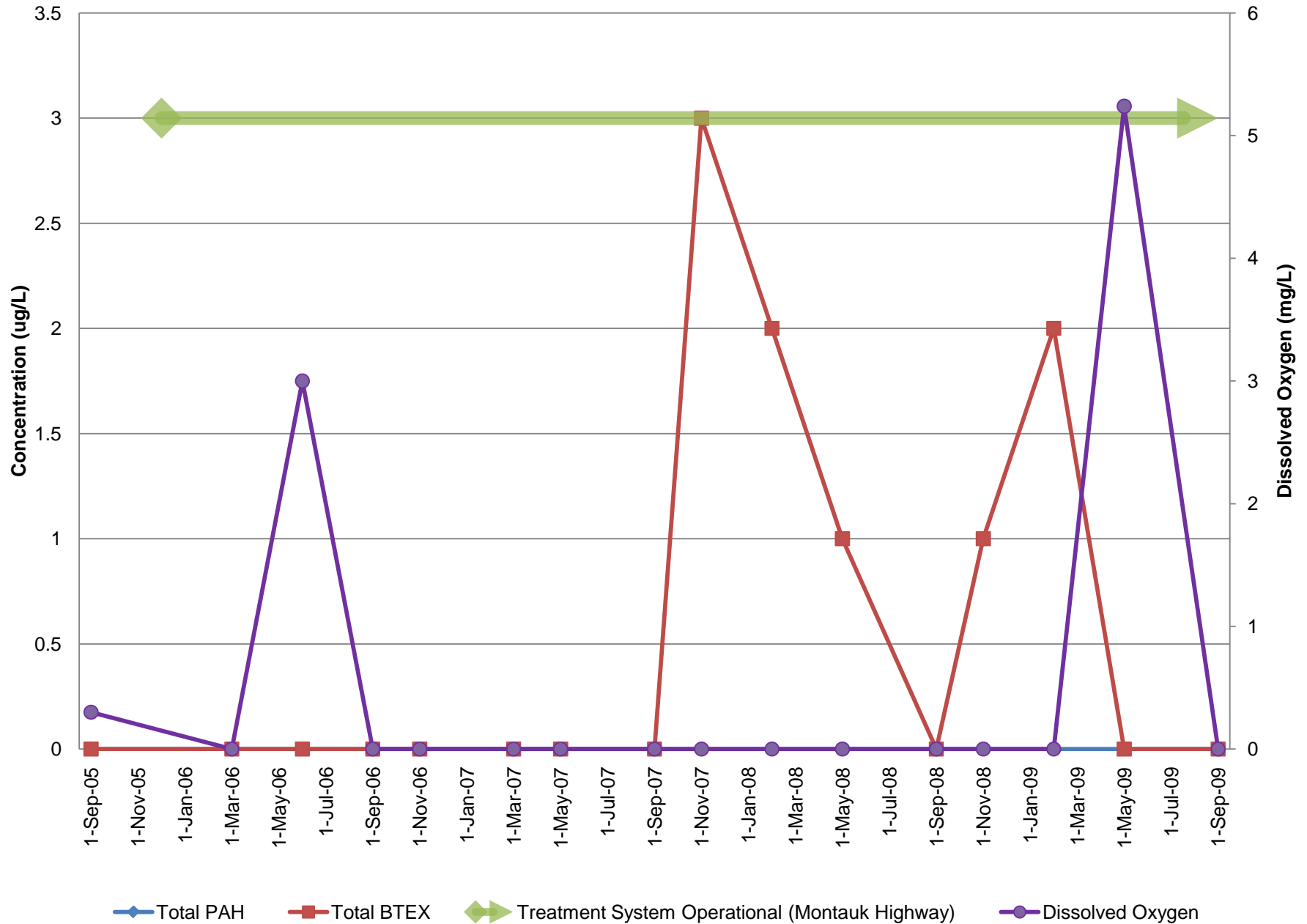
Monitoring Well OU2MW-04I 35-40 ft bgs



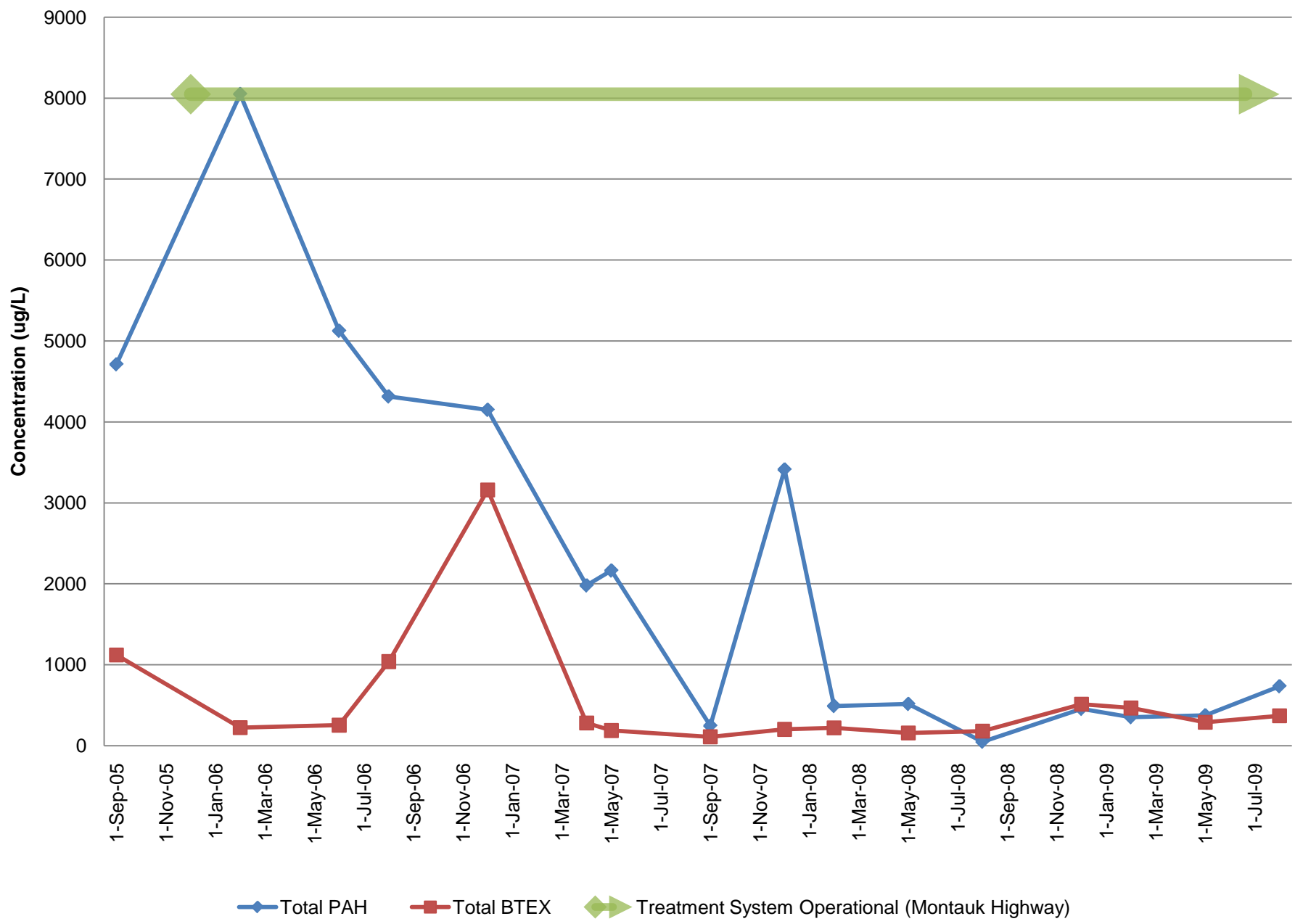
Monitoring Well OU2MW-0412 50-55 ft bgs



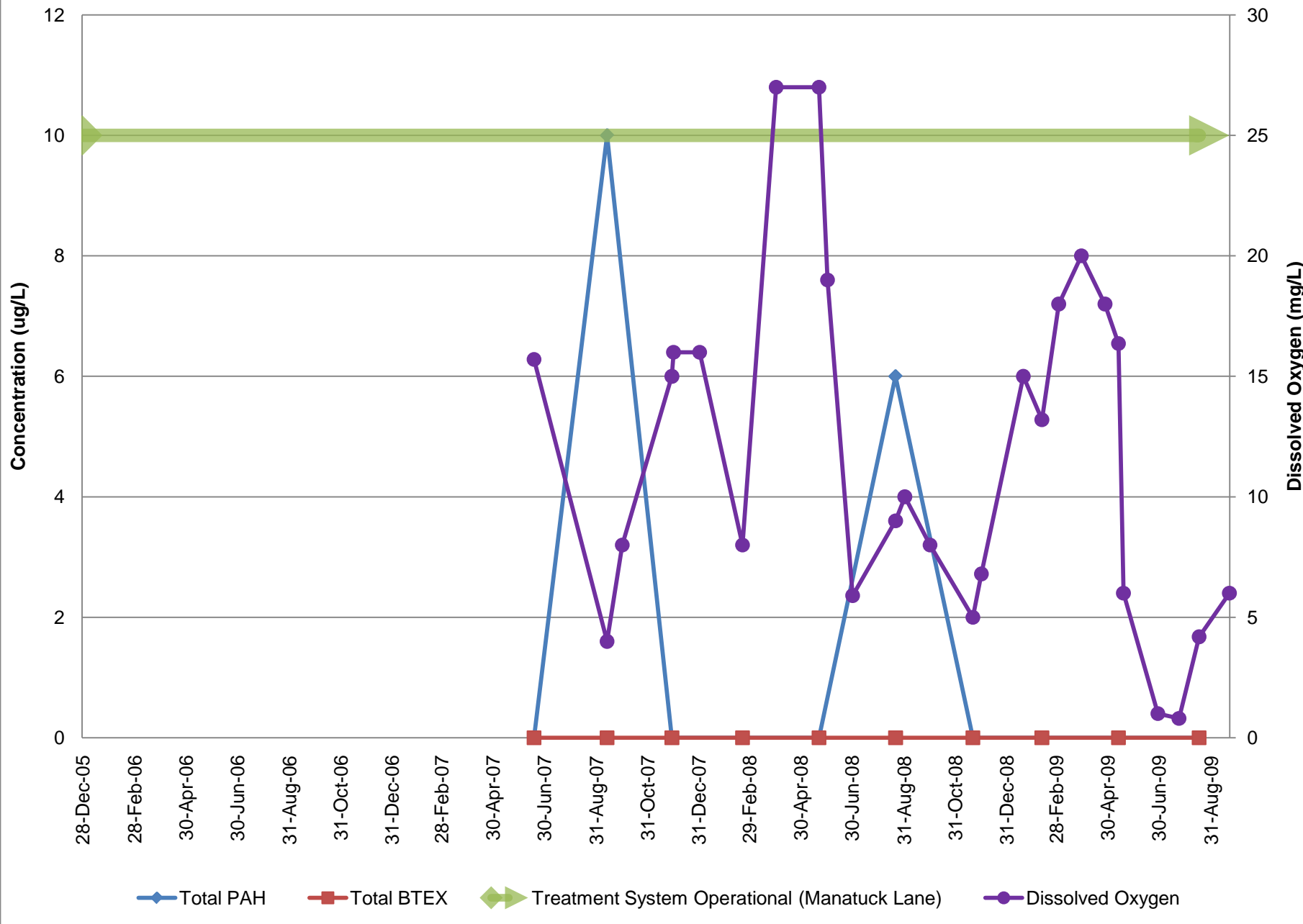
Monitoring Well OU2MW-04D 65-70 ft bgs



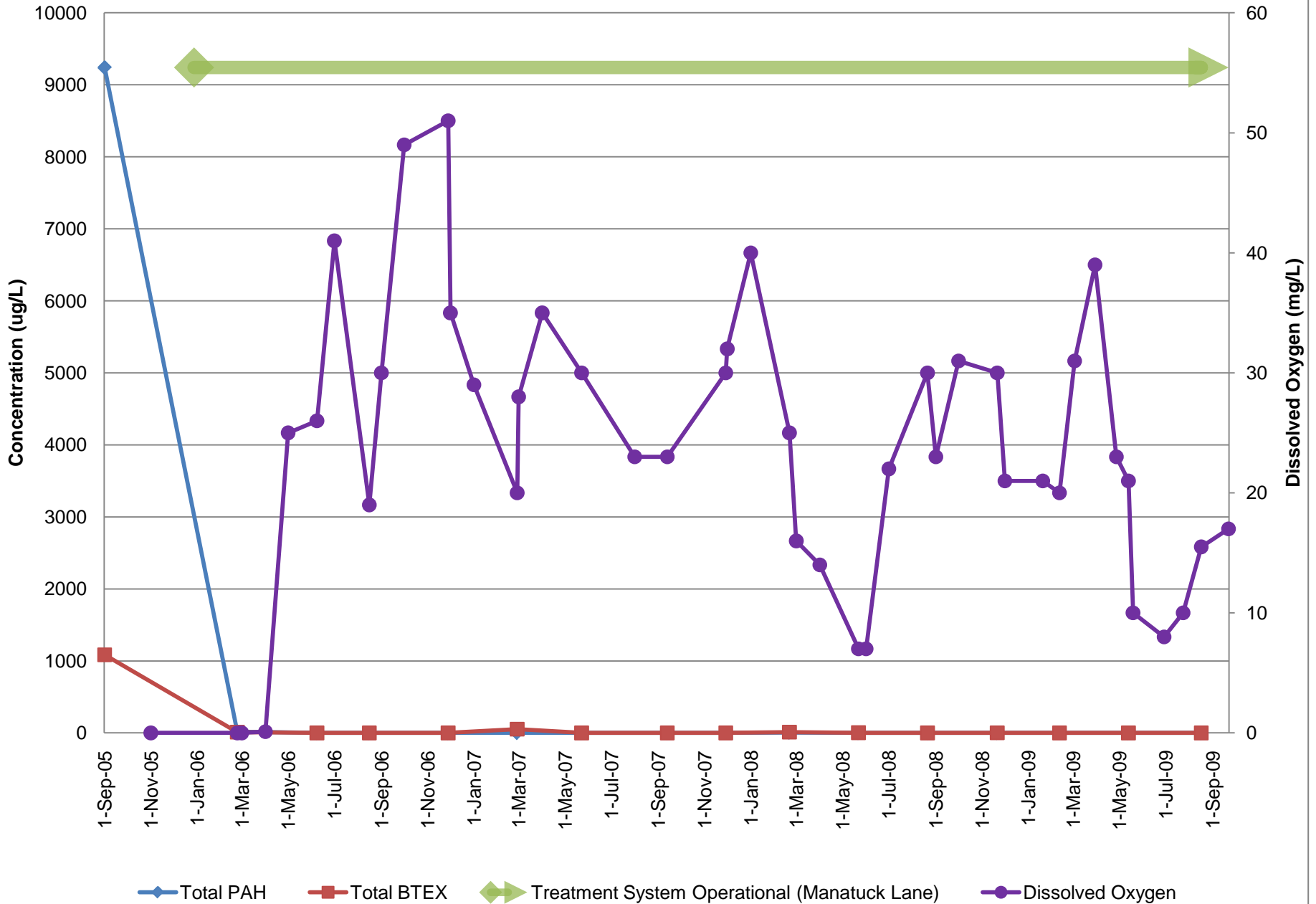
Monitoring Well OU2MW-05 25-35 ft bgs



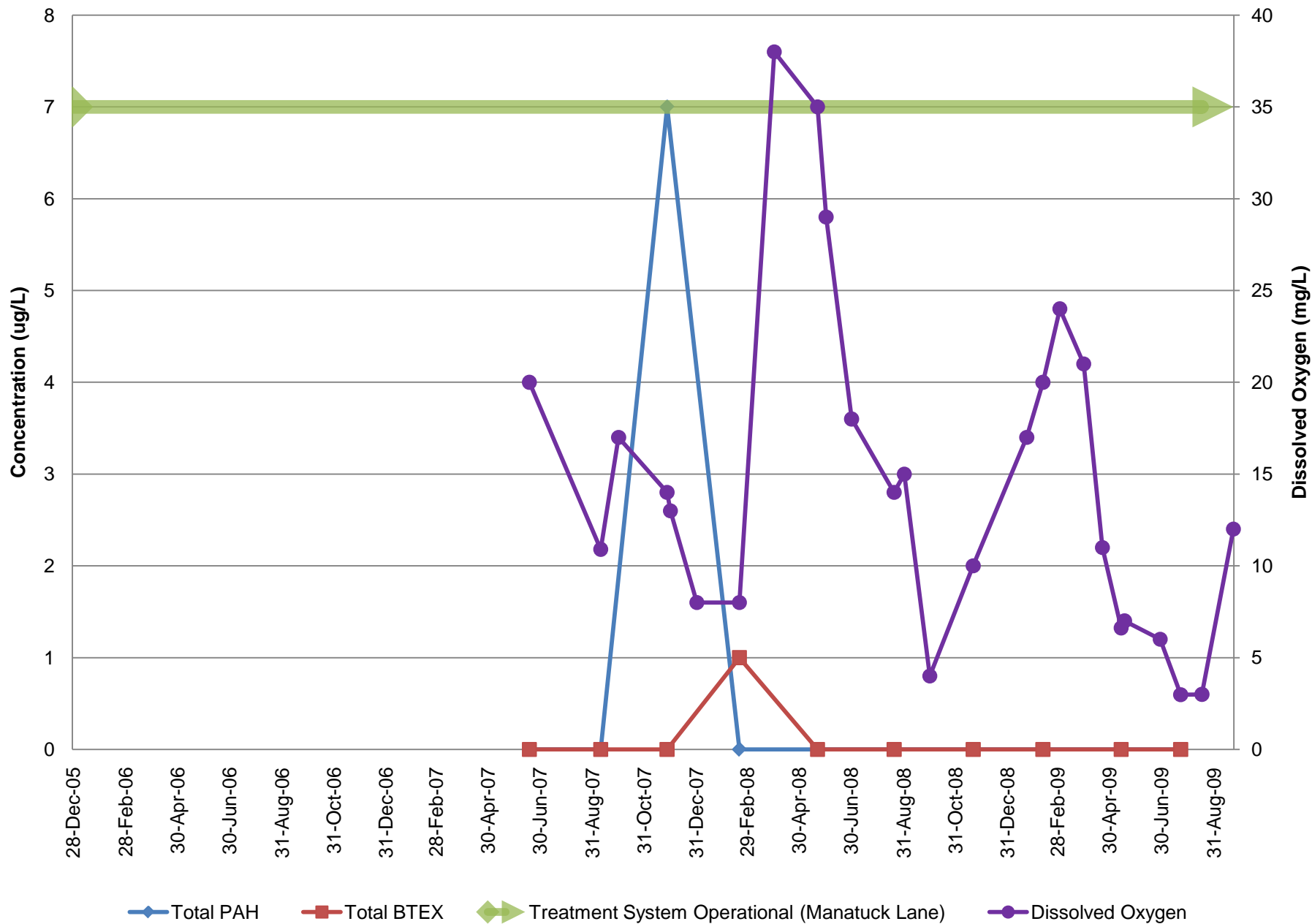
Monitoring Well OU2MW-06S 3-8 ft bgs



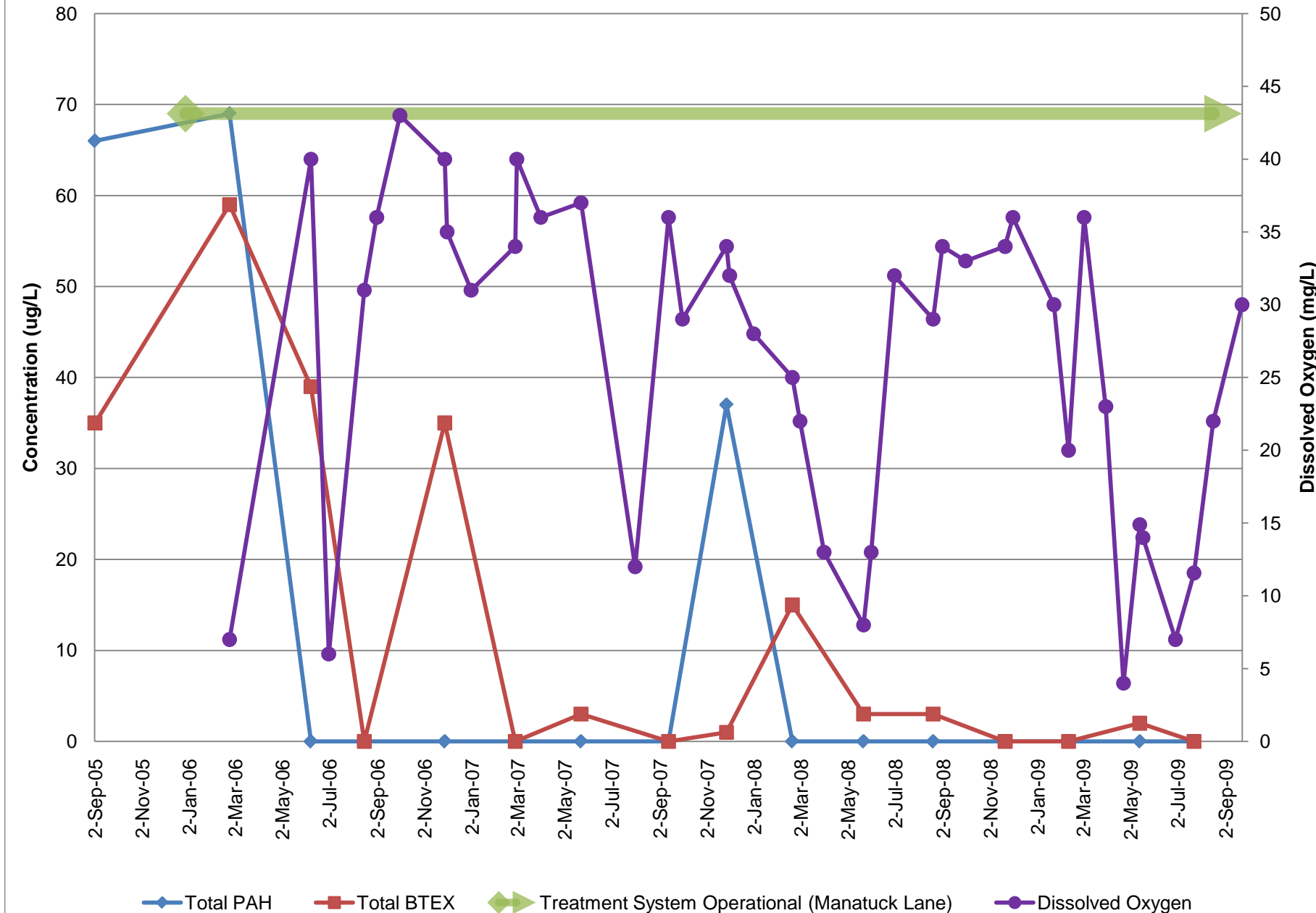
Monitoring Well OU2MW-06 15-25 ft bgs



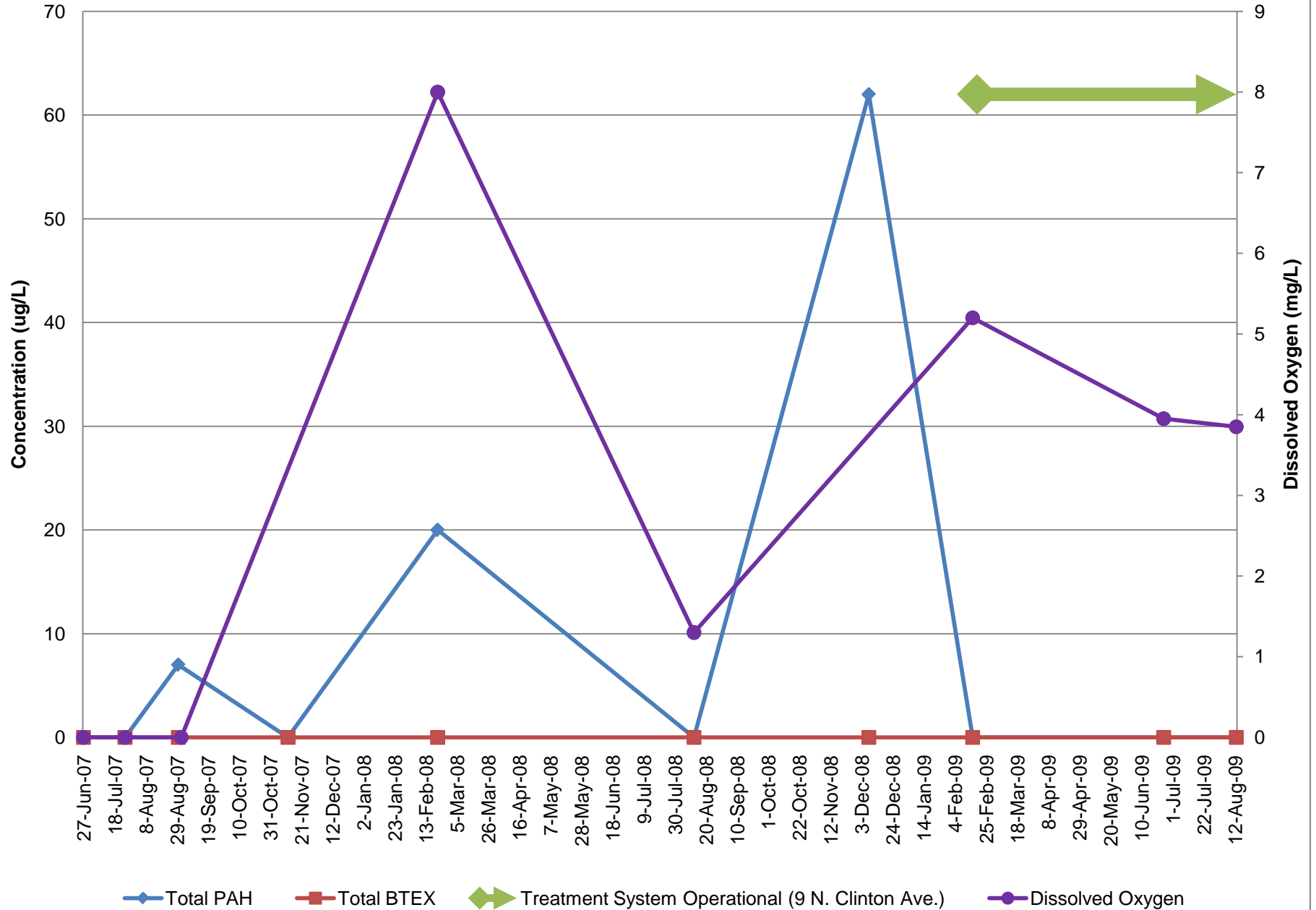
Monitoring Well OU2MW-07S 3-8 ft bgs



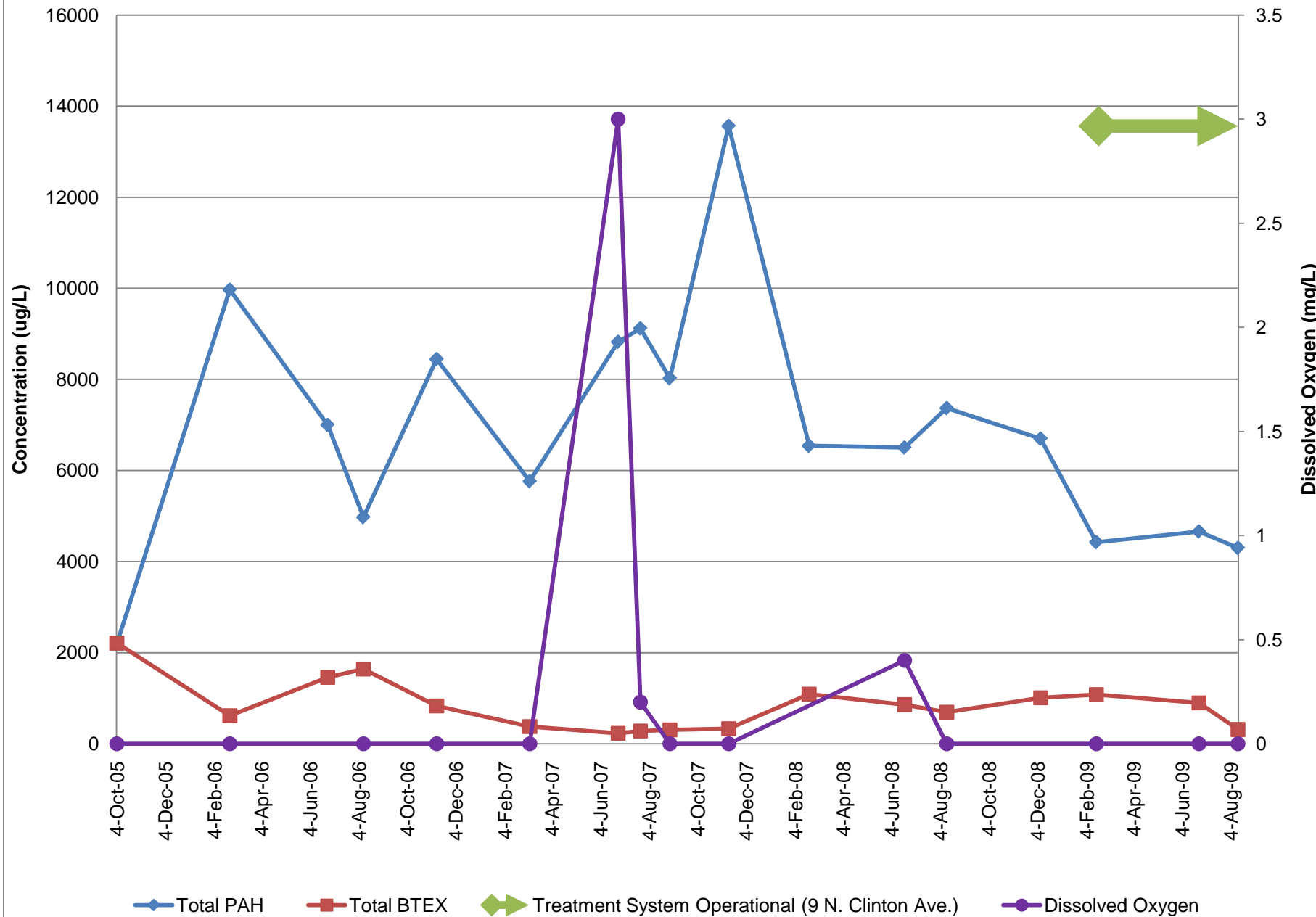
Monitoring Well OU2MW-07 15-25 ft bgs



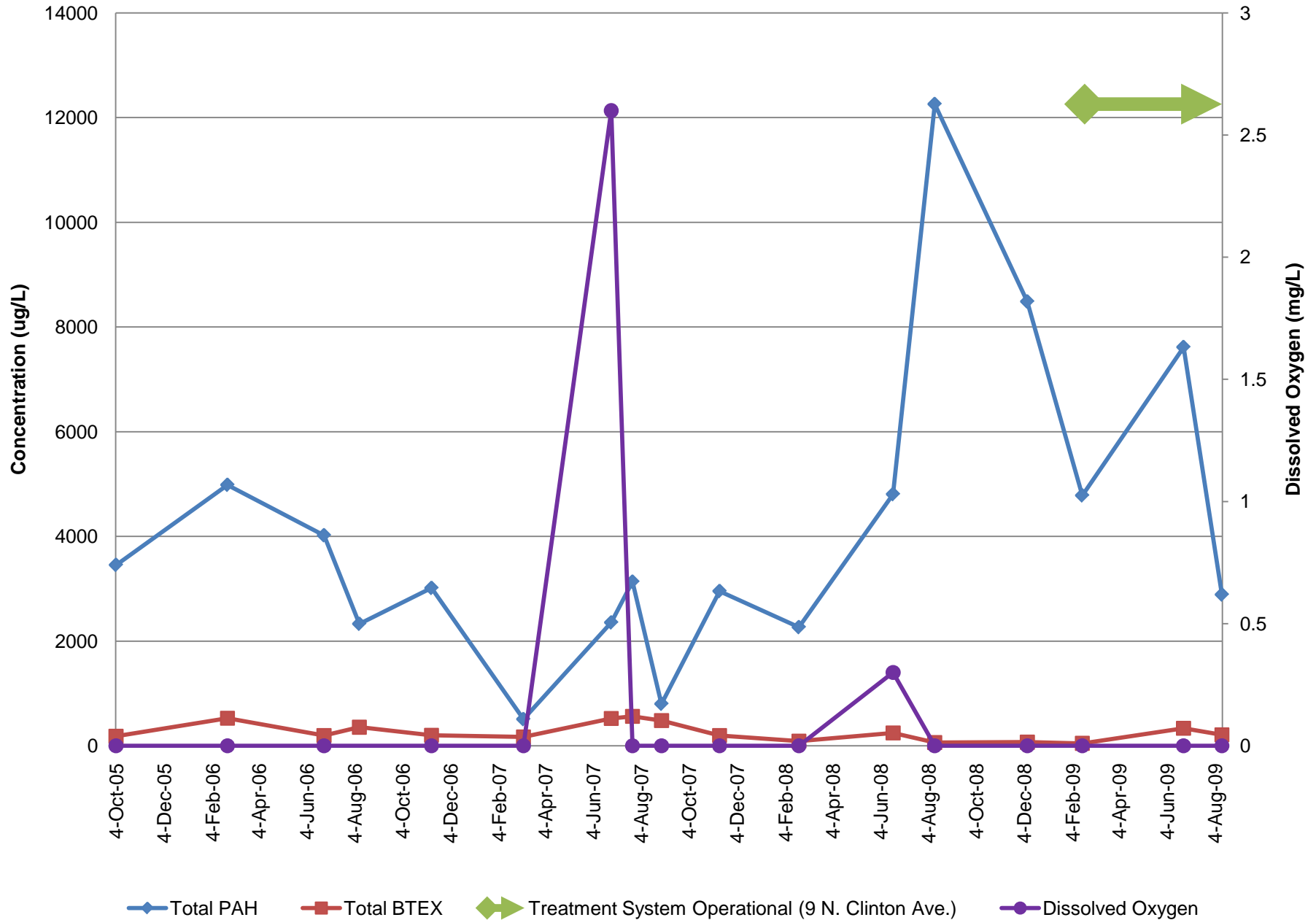
Monitoring Well OU2MW-08WT 3-8 ft bgs



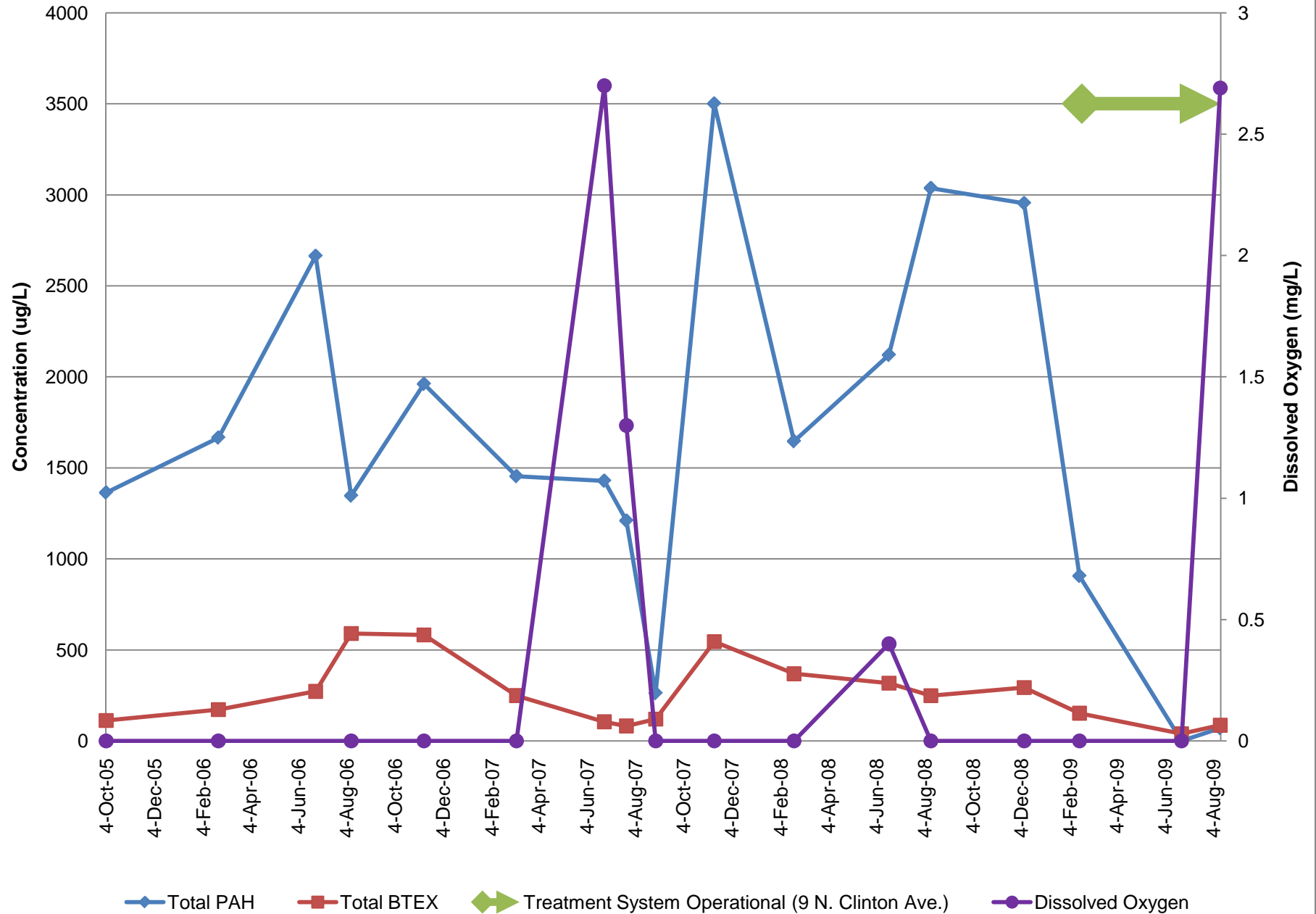
Monitoring Well OU2MW-08S 20-25 ft bgs



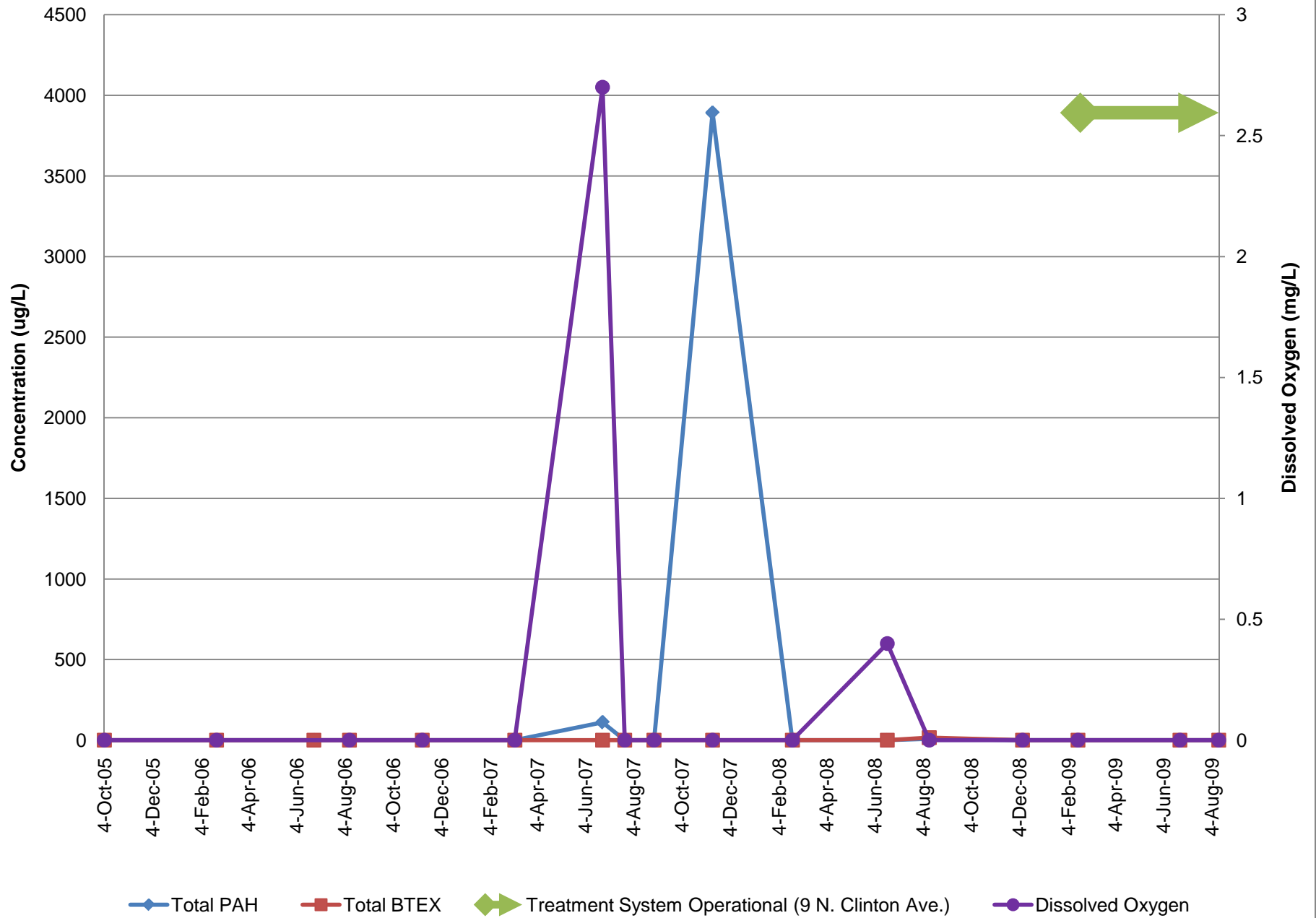
Monitoring Well OU2MW-08I 35-40 ft bgs



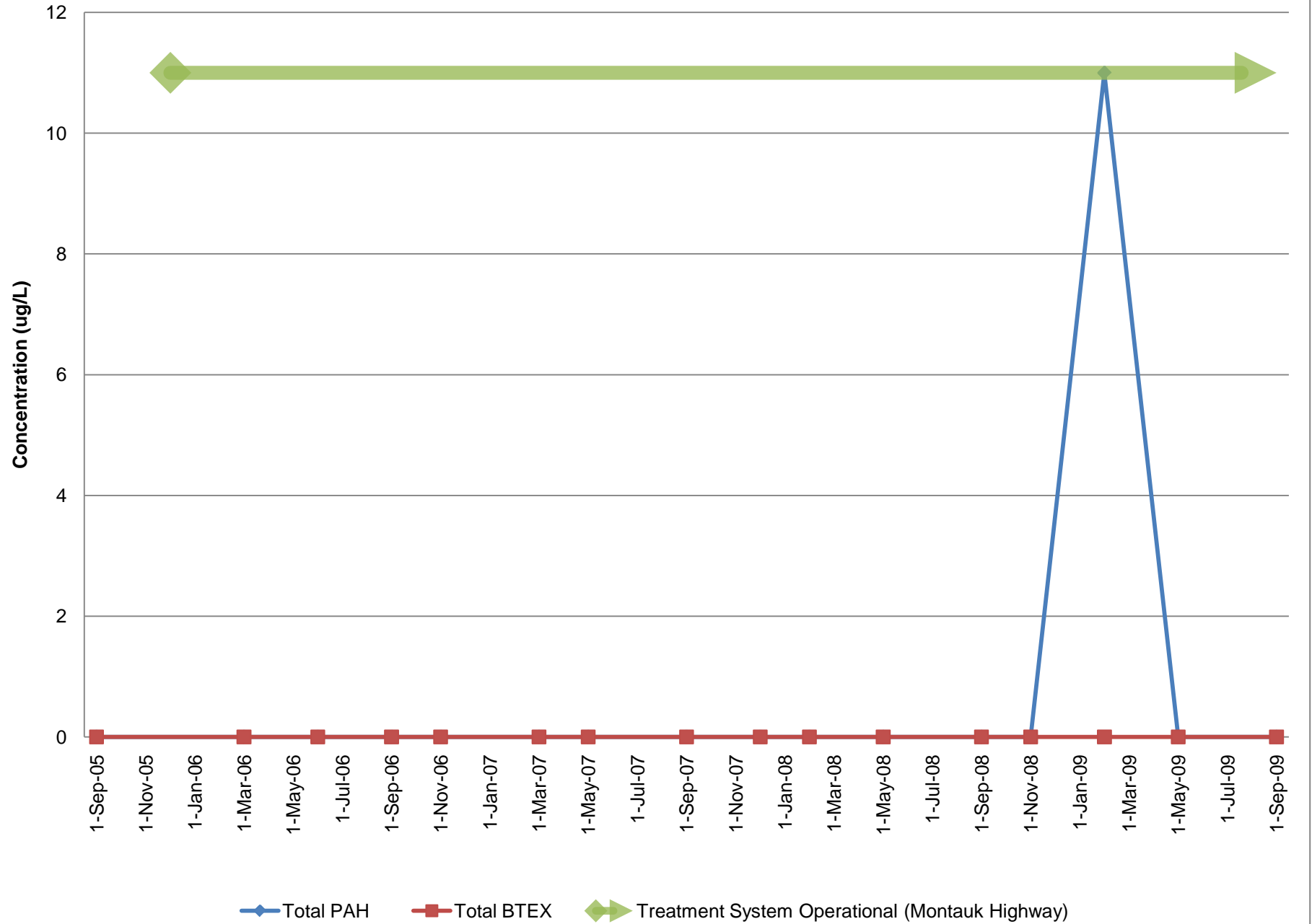
Monitoring Well OU2MW-0812 50-55 ft bgs



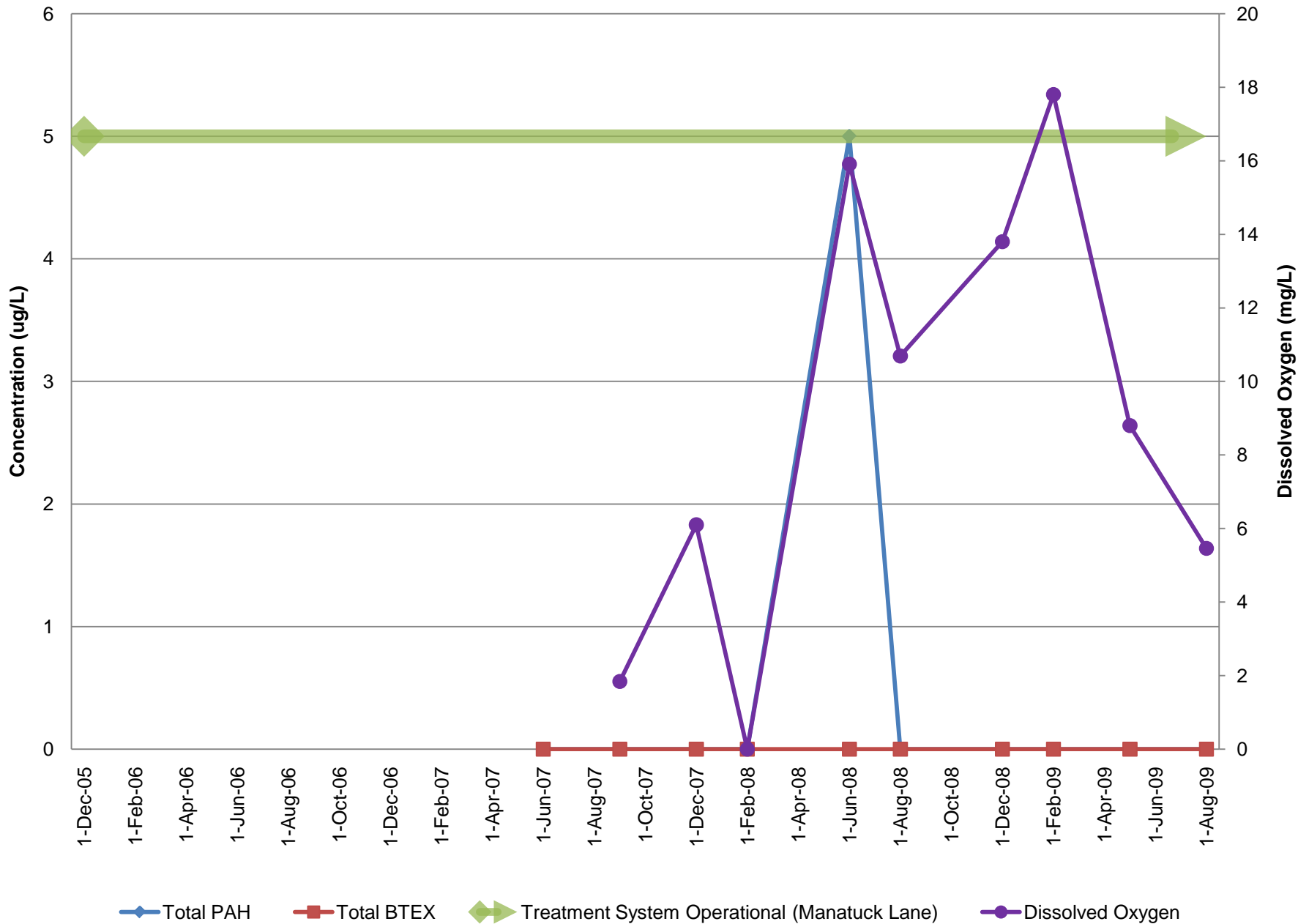
Monitoring Well OU2MW-08D 65-70 ft bgs



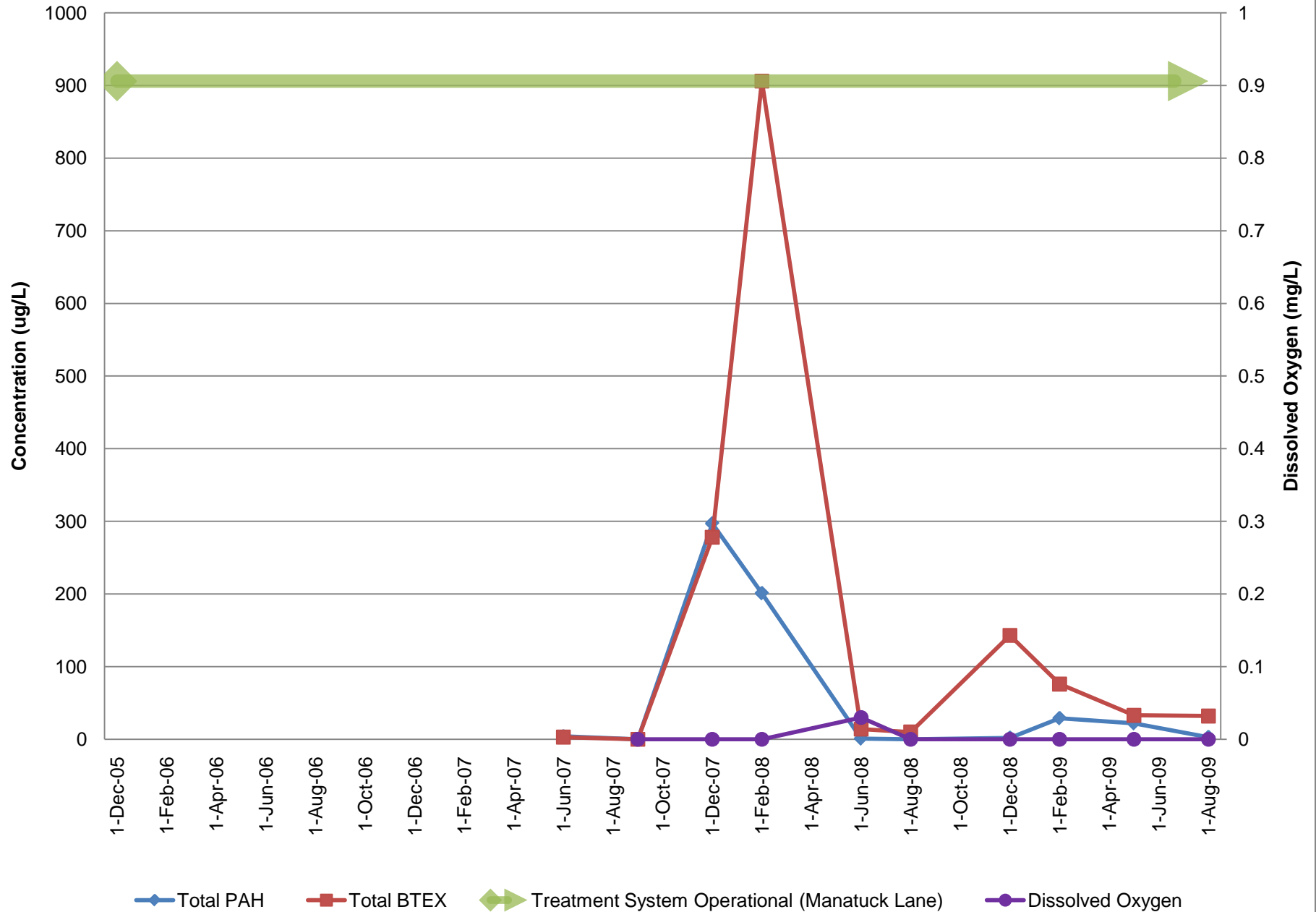
Monitoring Well OU2MW-09 30-40 ft bgs



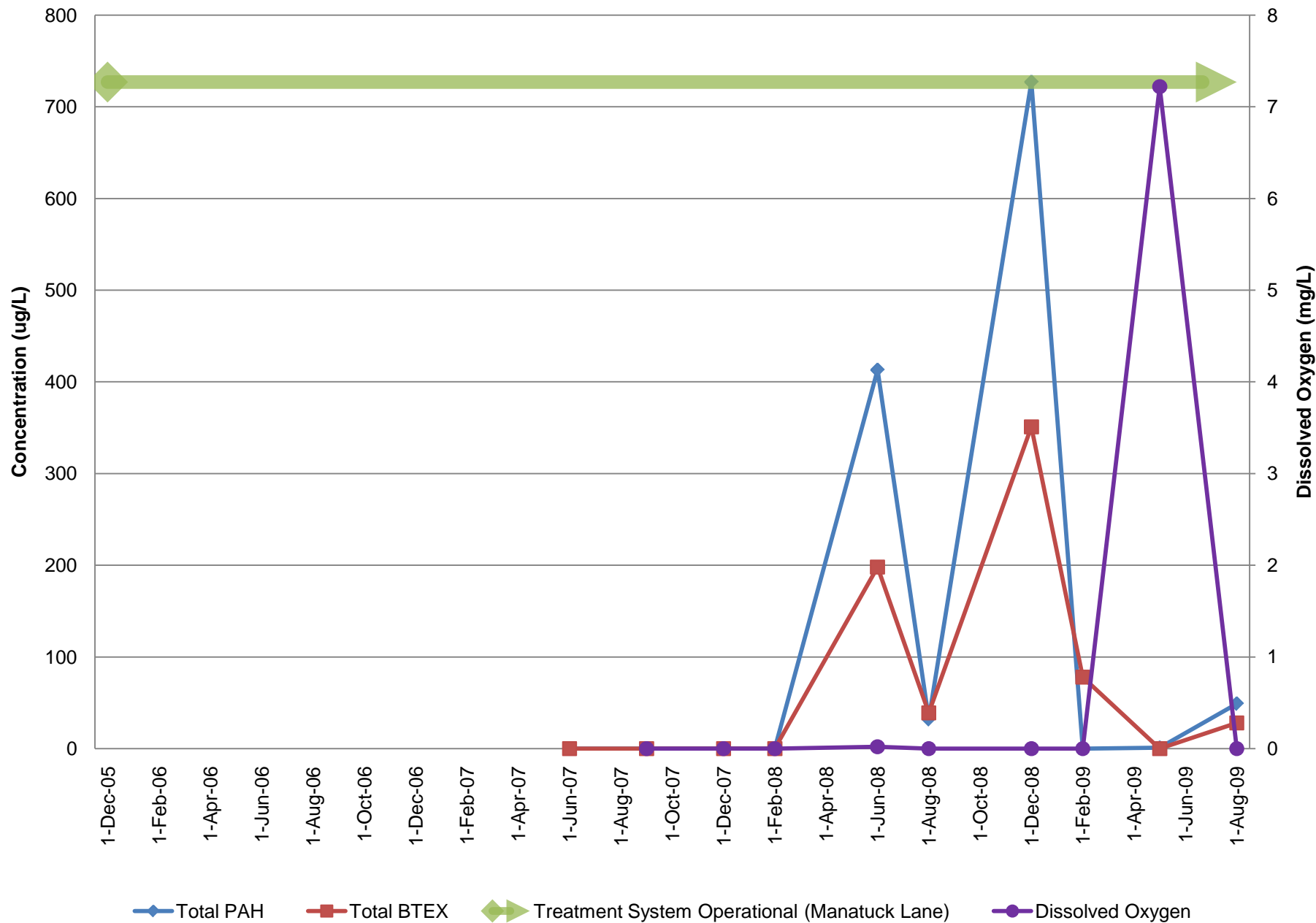
Monitoring Well OU2MW-10S 3-7 ft bgs



Monitoring Well OU2MW-10I 20-25 ft bgs

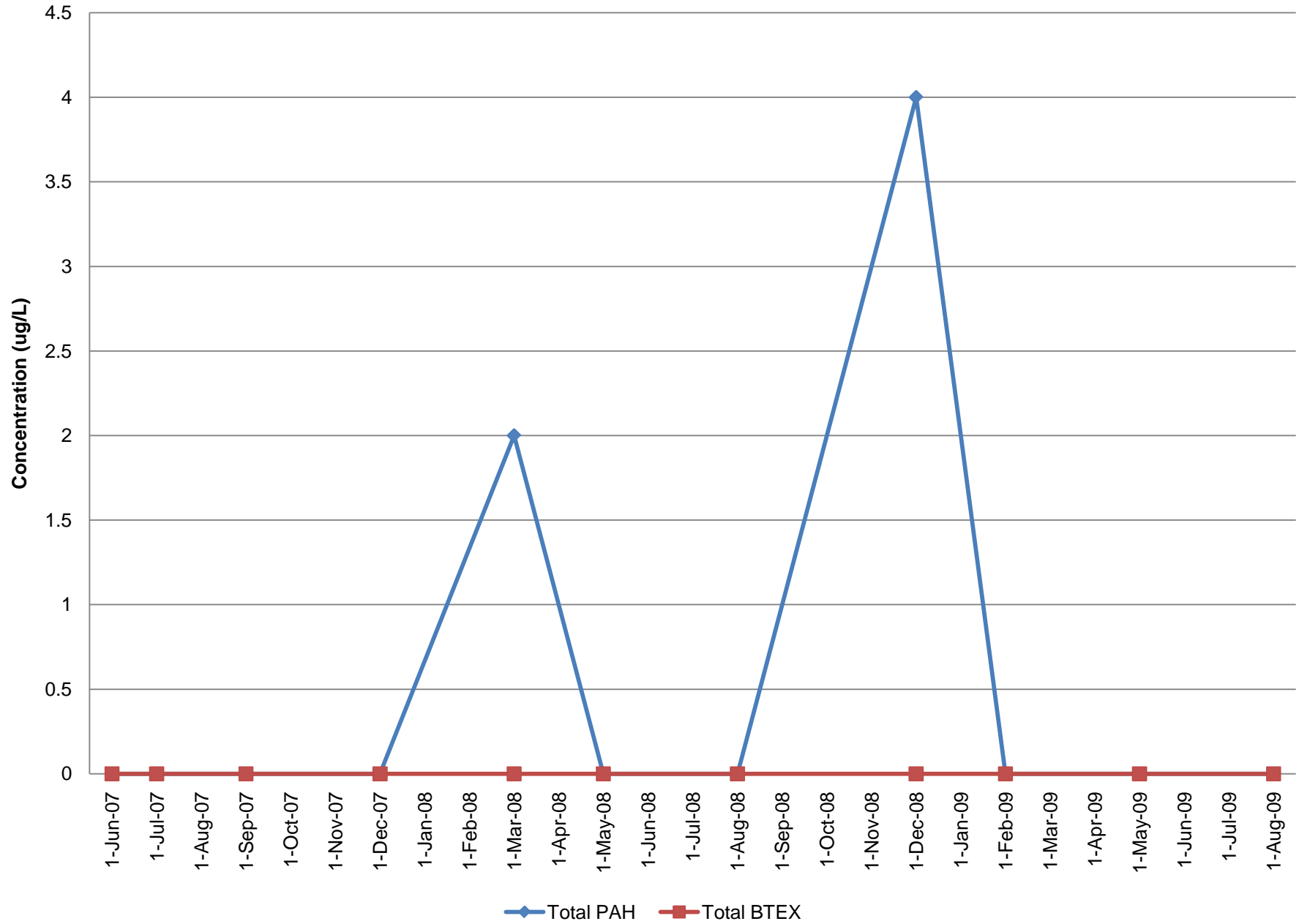


Monitoring Well OU2MW-10D 35-40 ft bgs



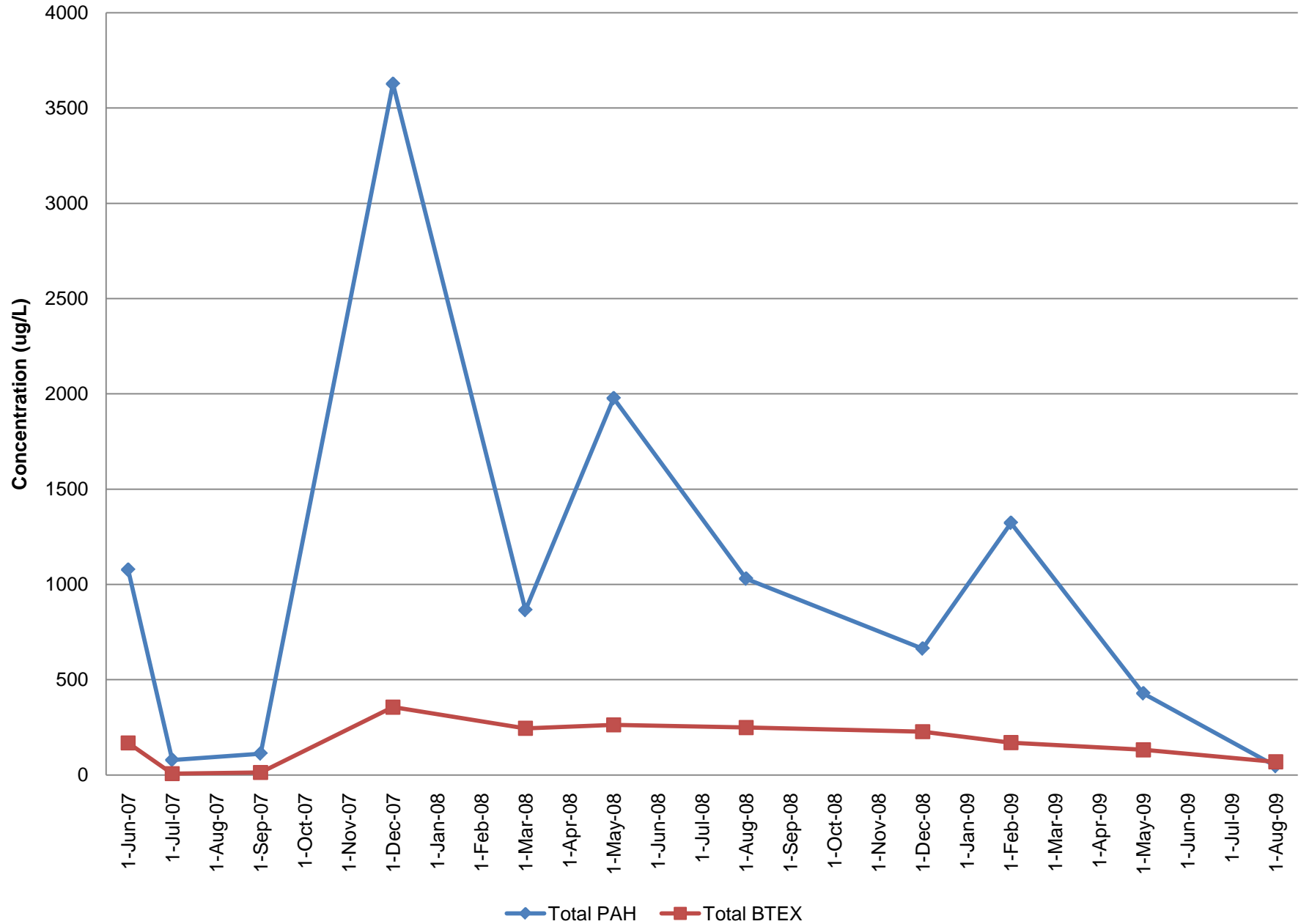
Monitoring Well OU2MW-11S

3-8 ft bgs

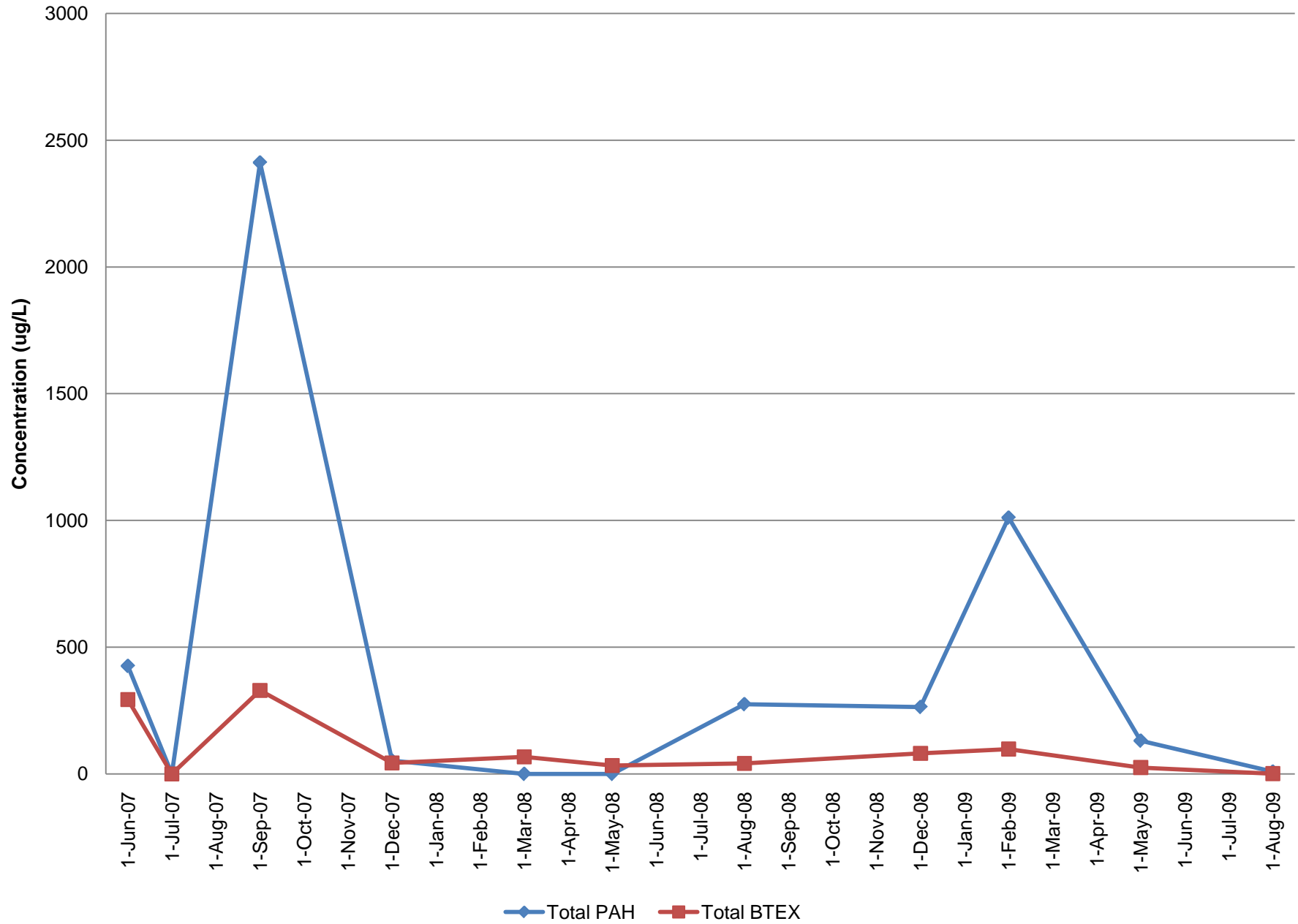


Monitoring Well OU2MW-11I

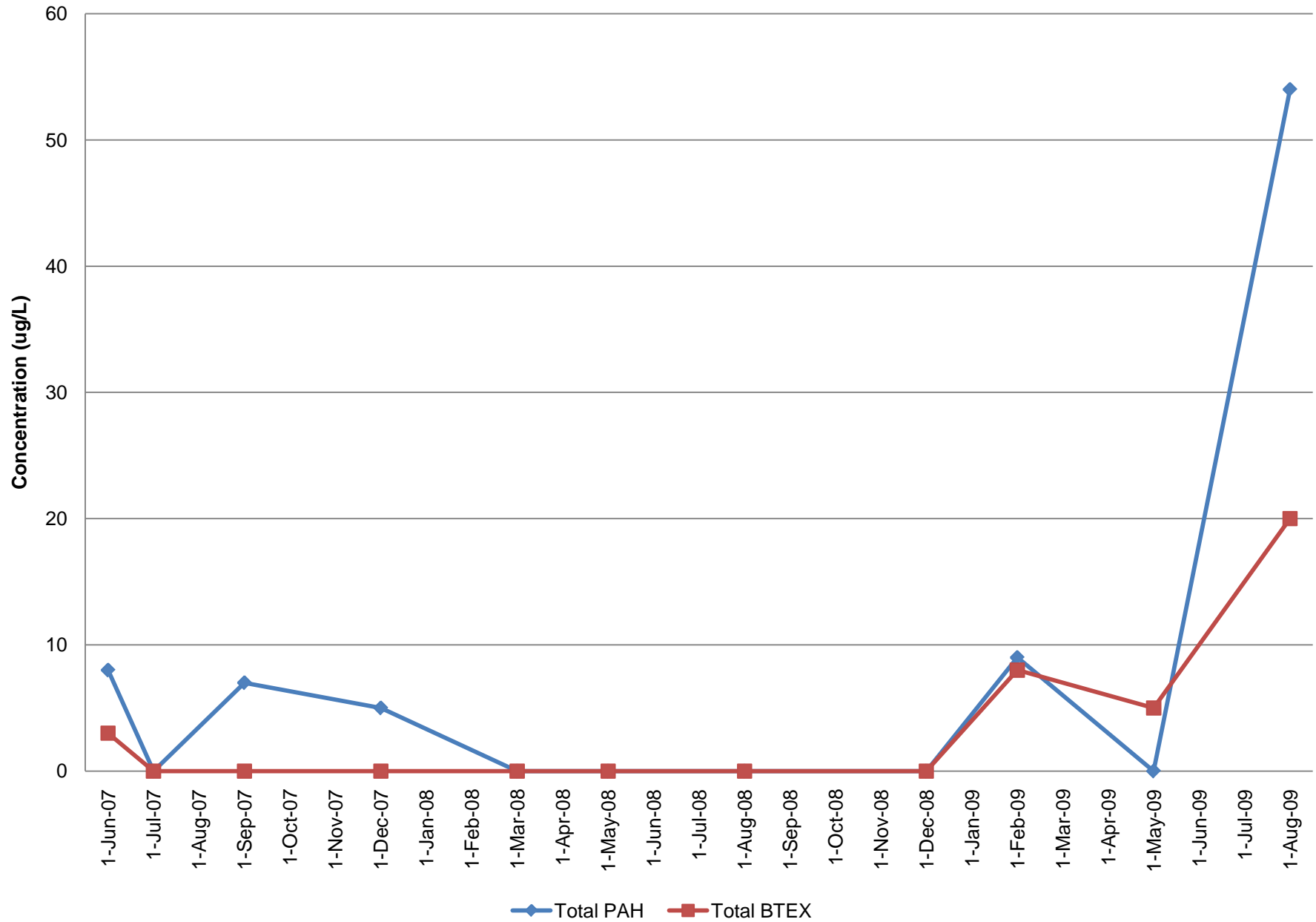
20-25 ft bgs



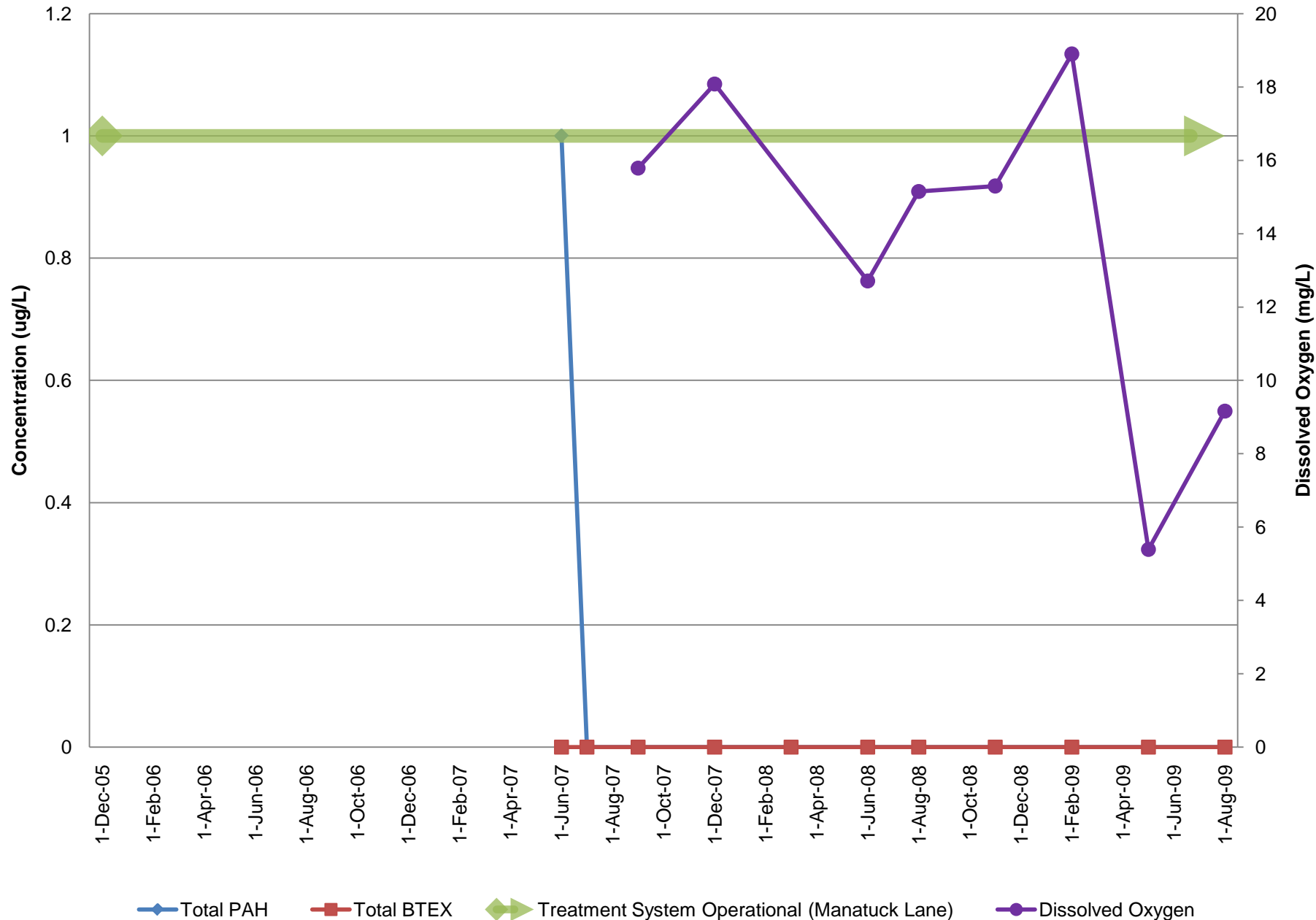
Monitoring Well OU2MW-11I2 30-35 ft bgs



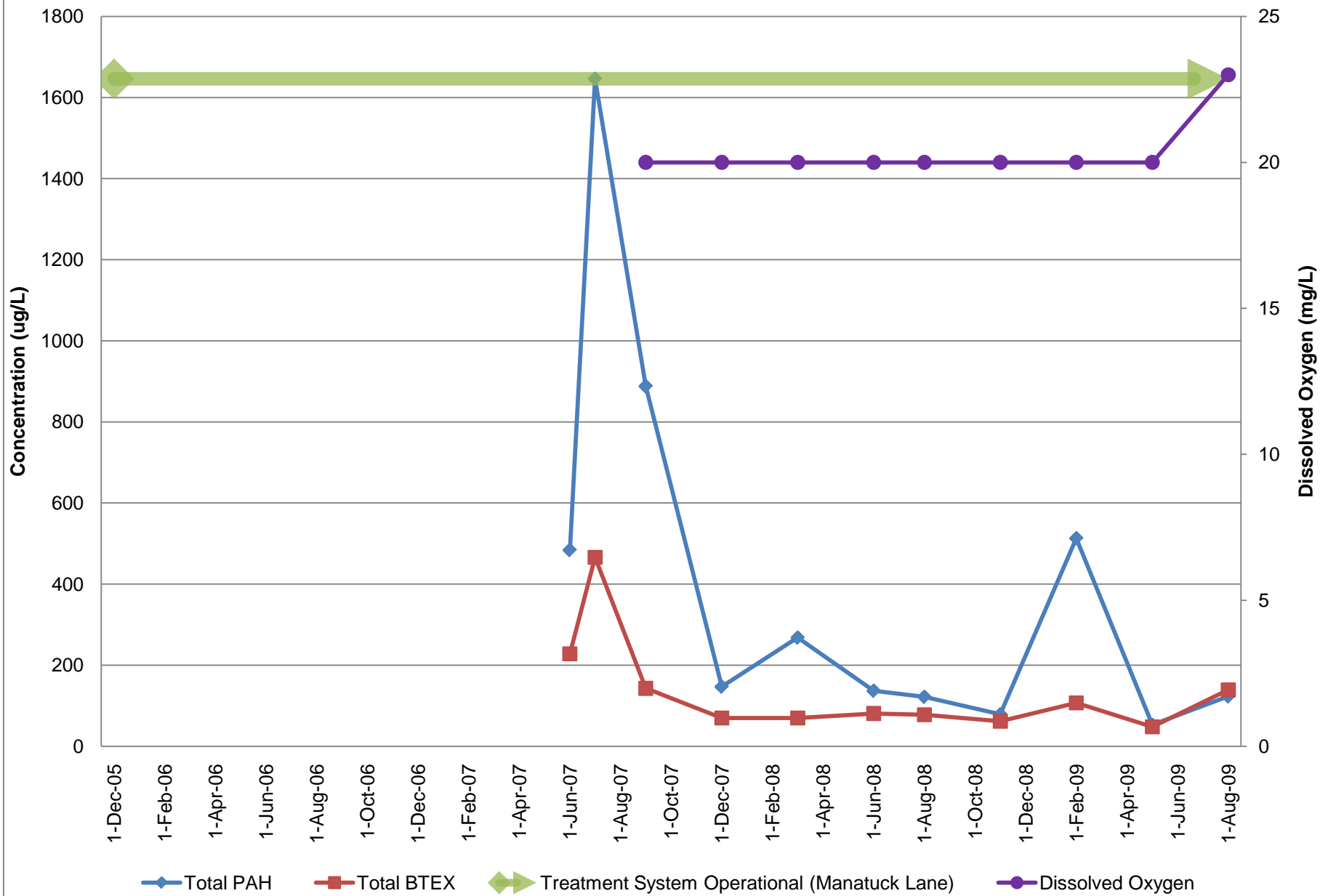
Monitoring Well OU2MW-11D 40-45 ft bgs



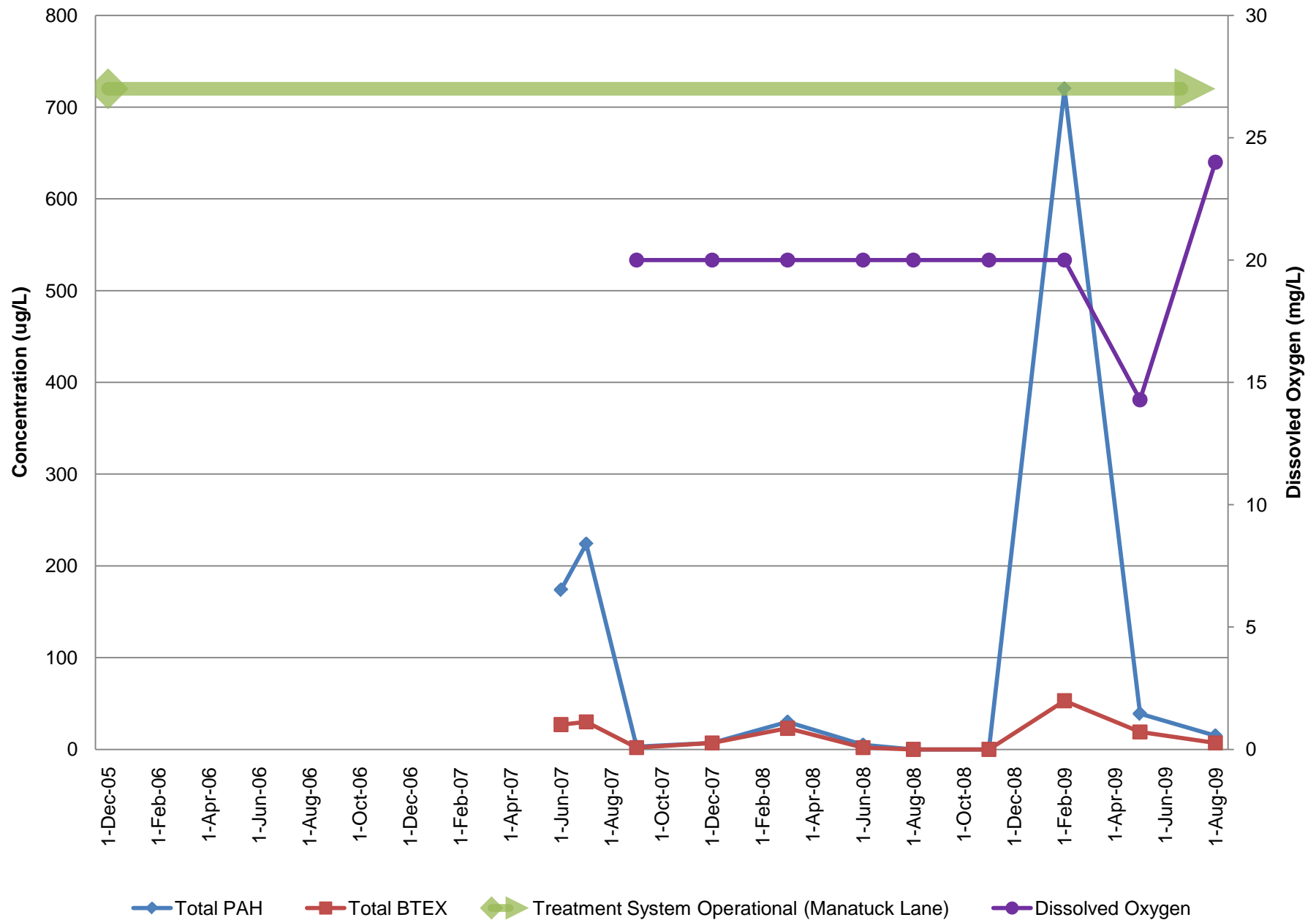
Monitoring Well OU2MW-12S 3-7 ft bgs



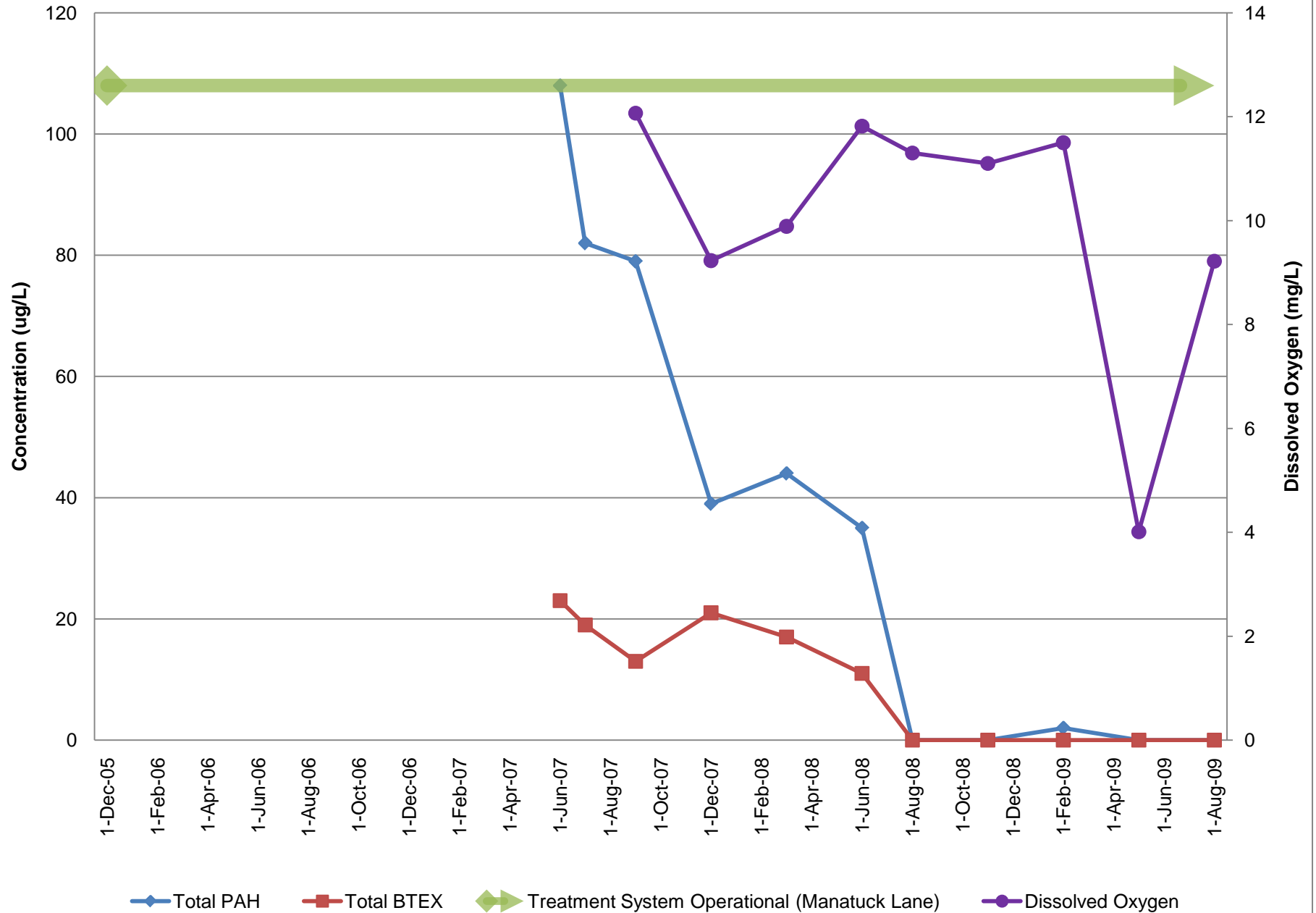
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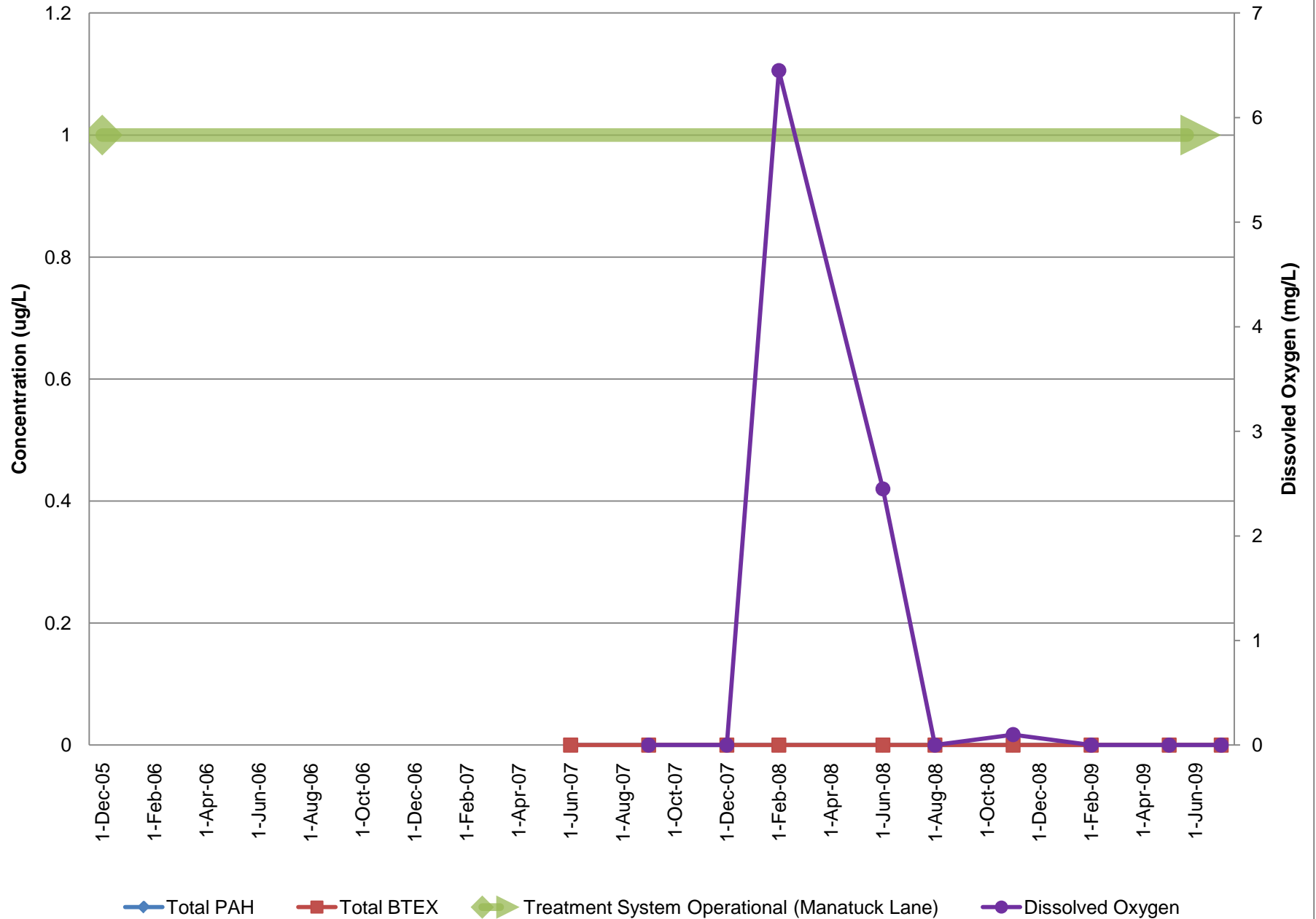
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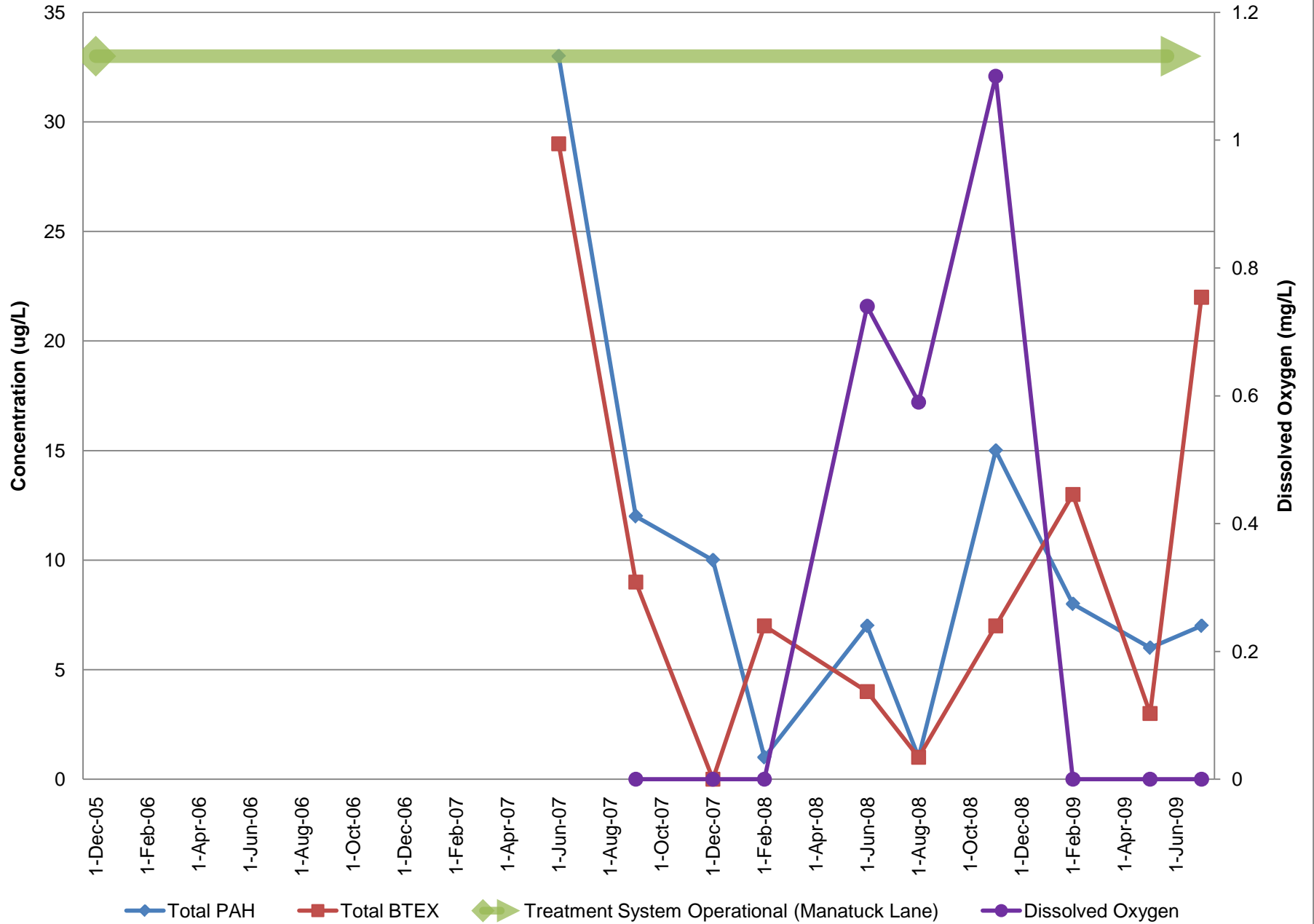
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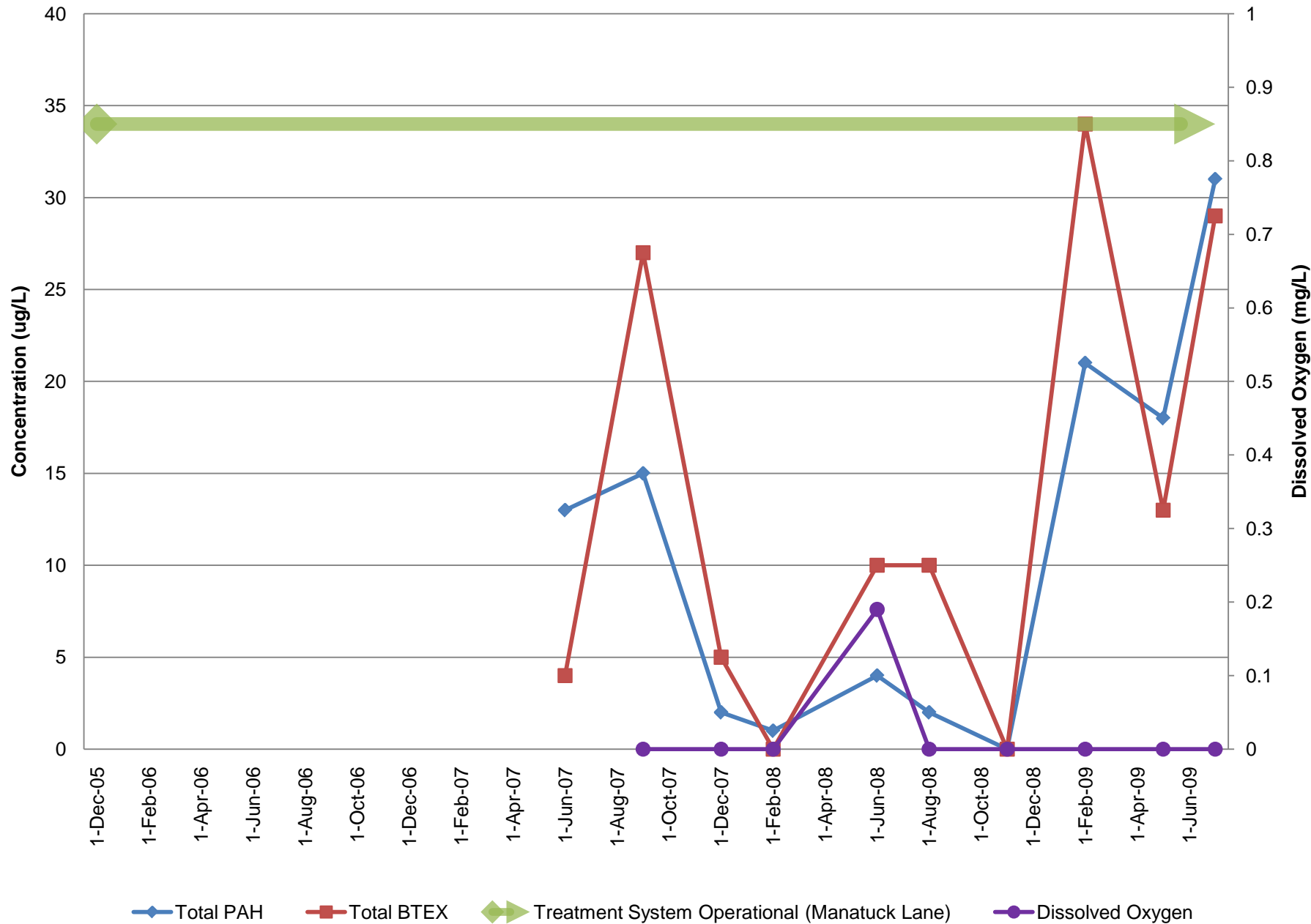
Monitoring Well OU2MW-13S 3-8 ft bgs



Monitoring Well OU2MW-13I 20-25 ft bgs

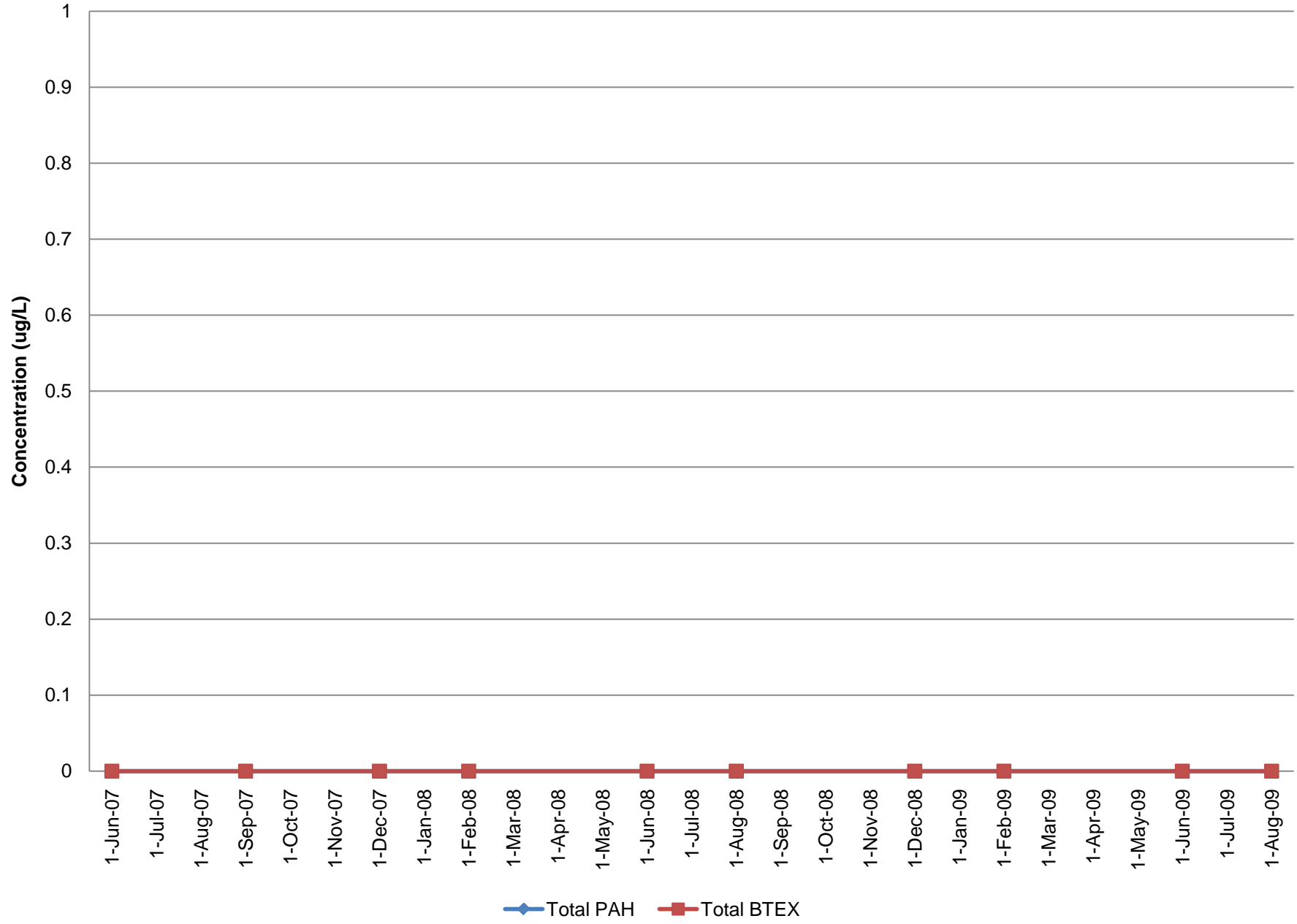


Monitoring Well OU2MW-13D 35-40 ft bgs



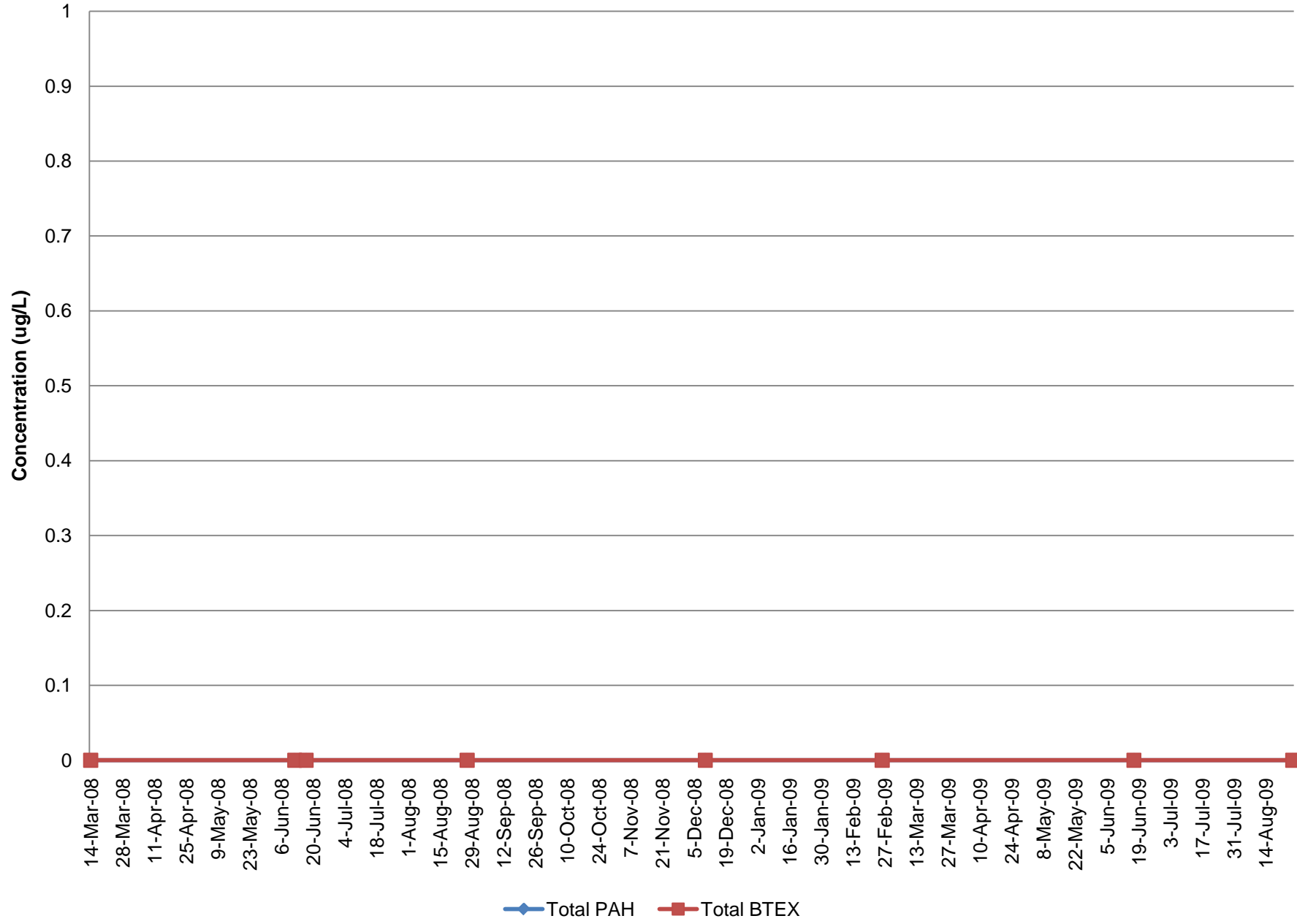
Monitoring Well OU2MW-14S

3-8 ft bgs

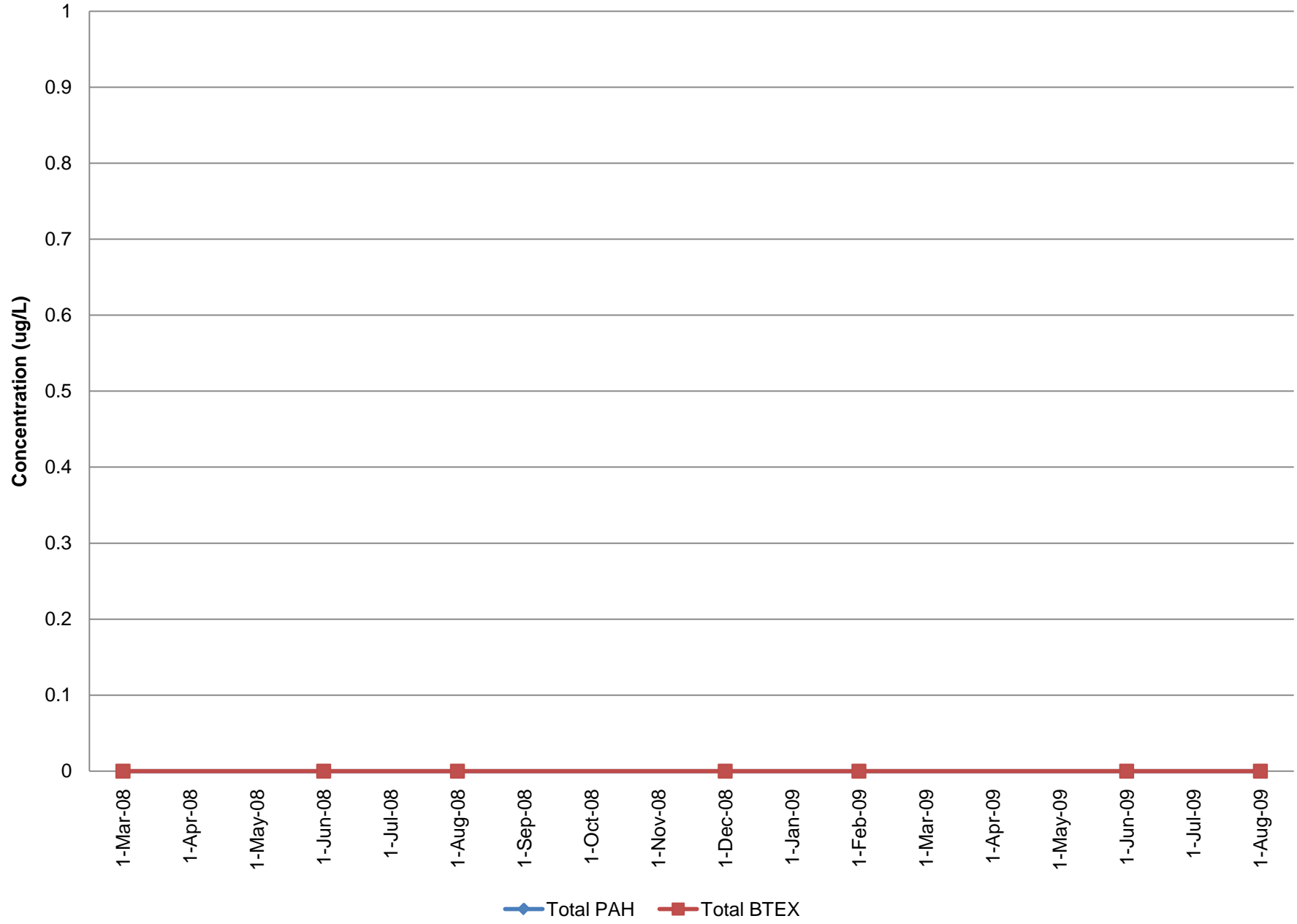


Monitoring Well OU2MW-14I

20-25 ft bgs

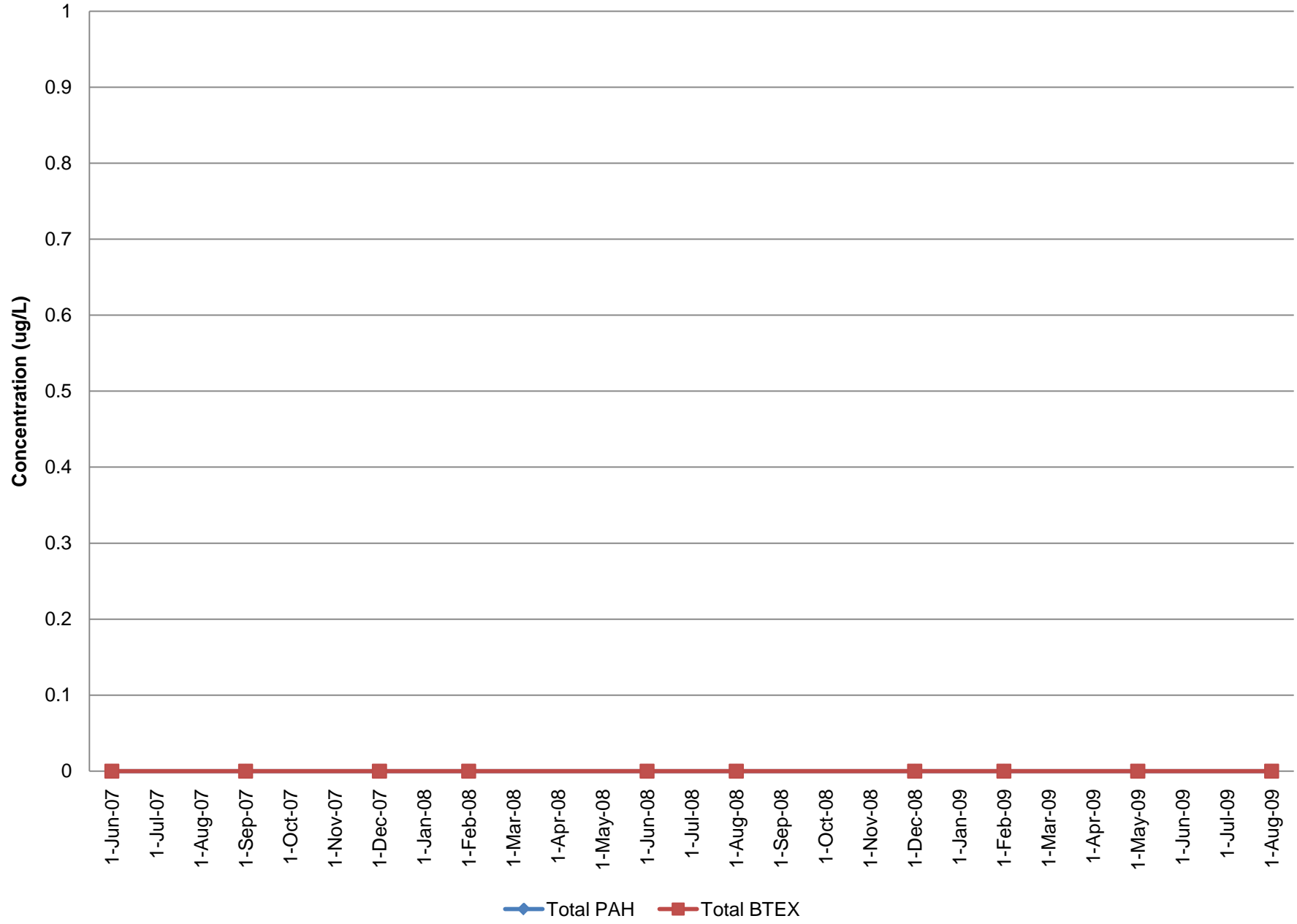


Monitoring Well OU2MW-14I2 45-50 ft bgs

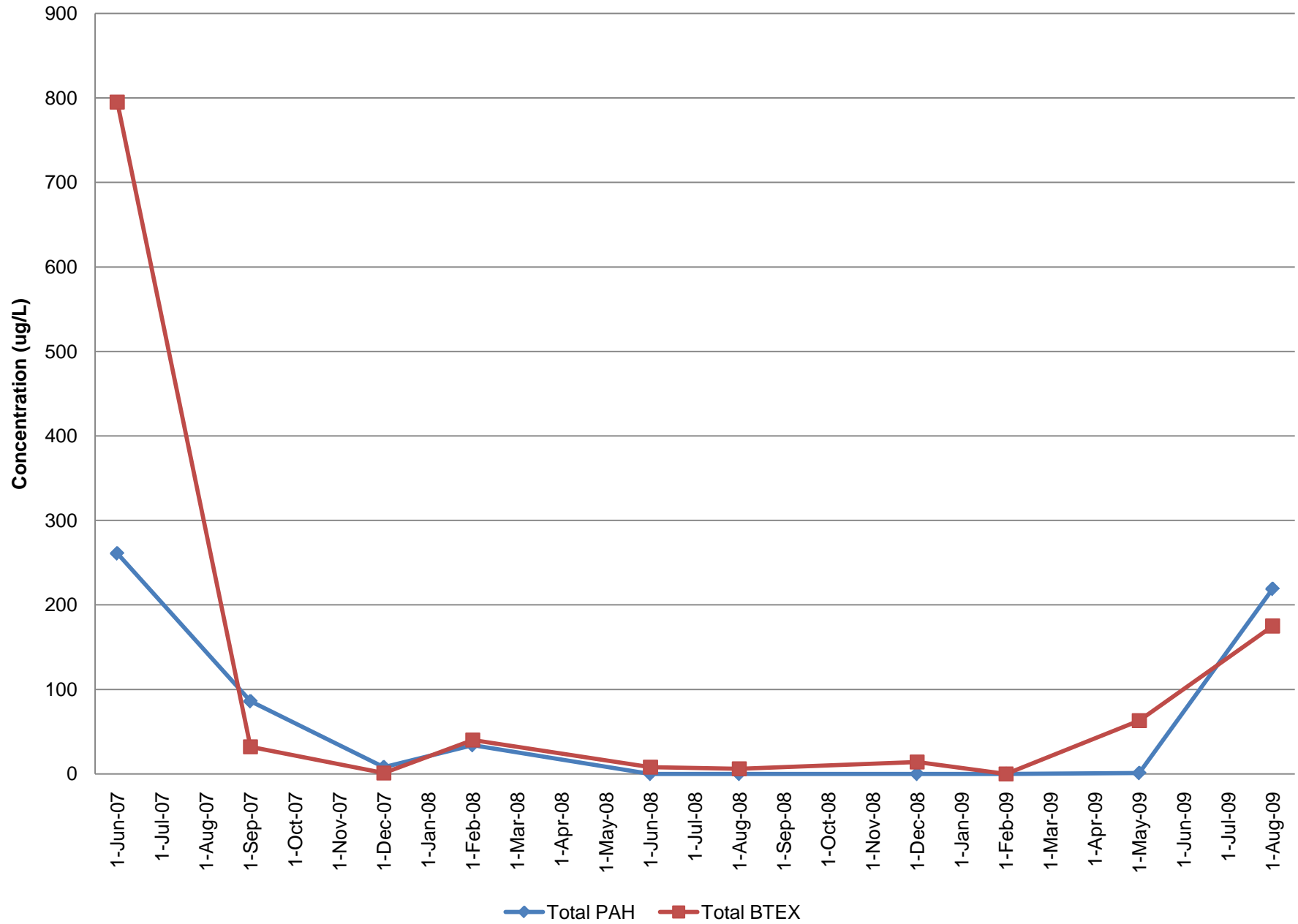


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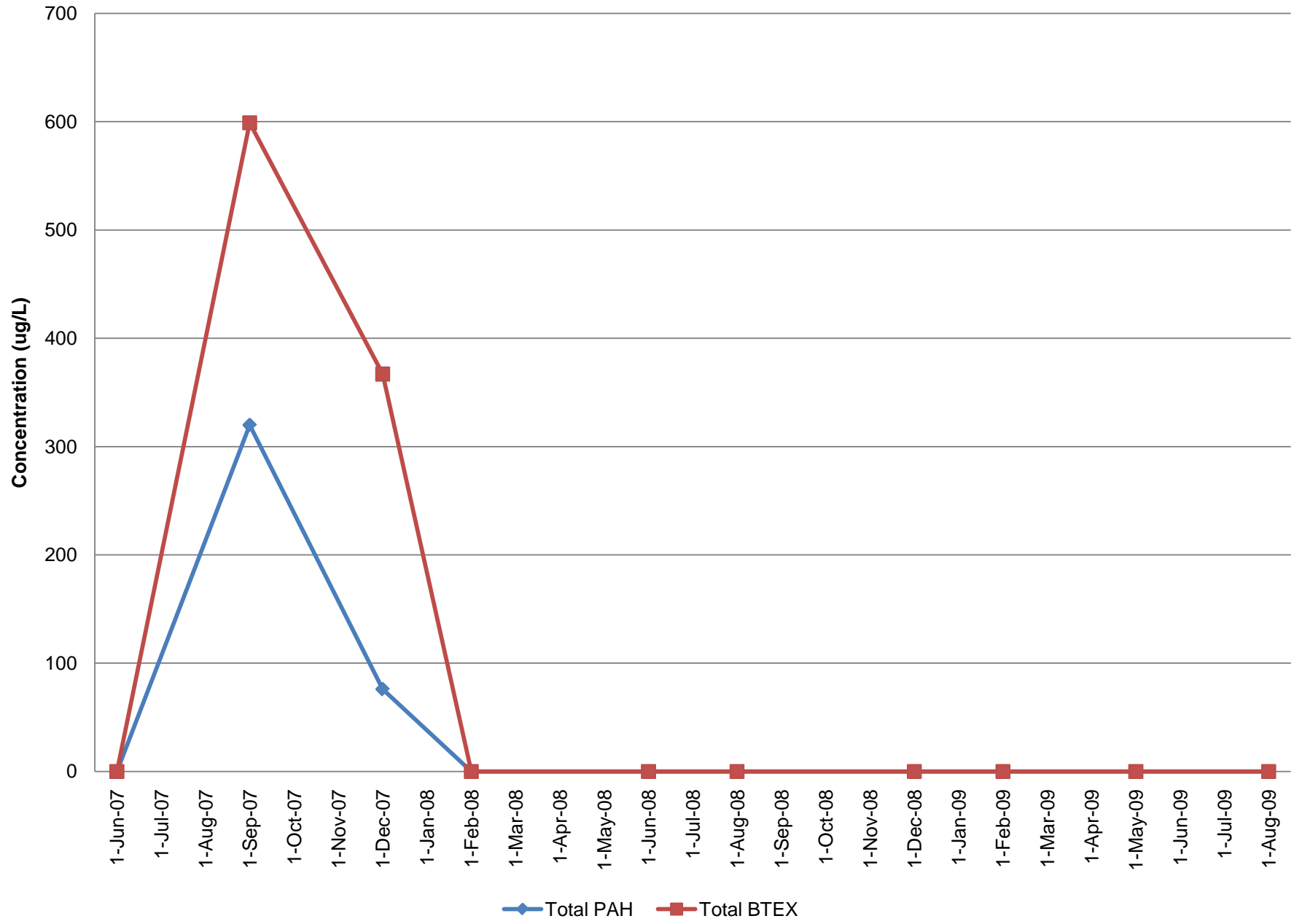
3-8 ft bgs



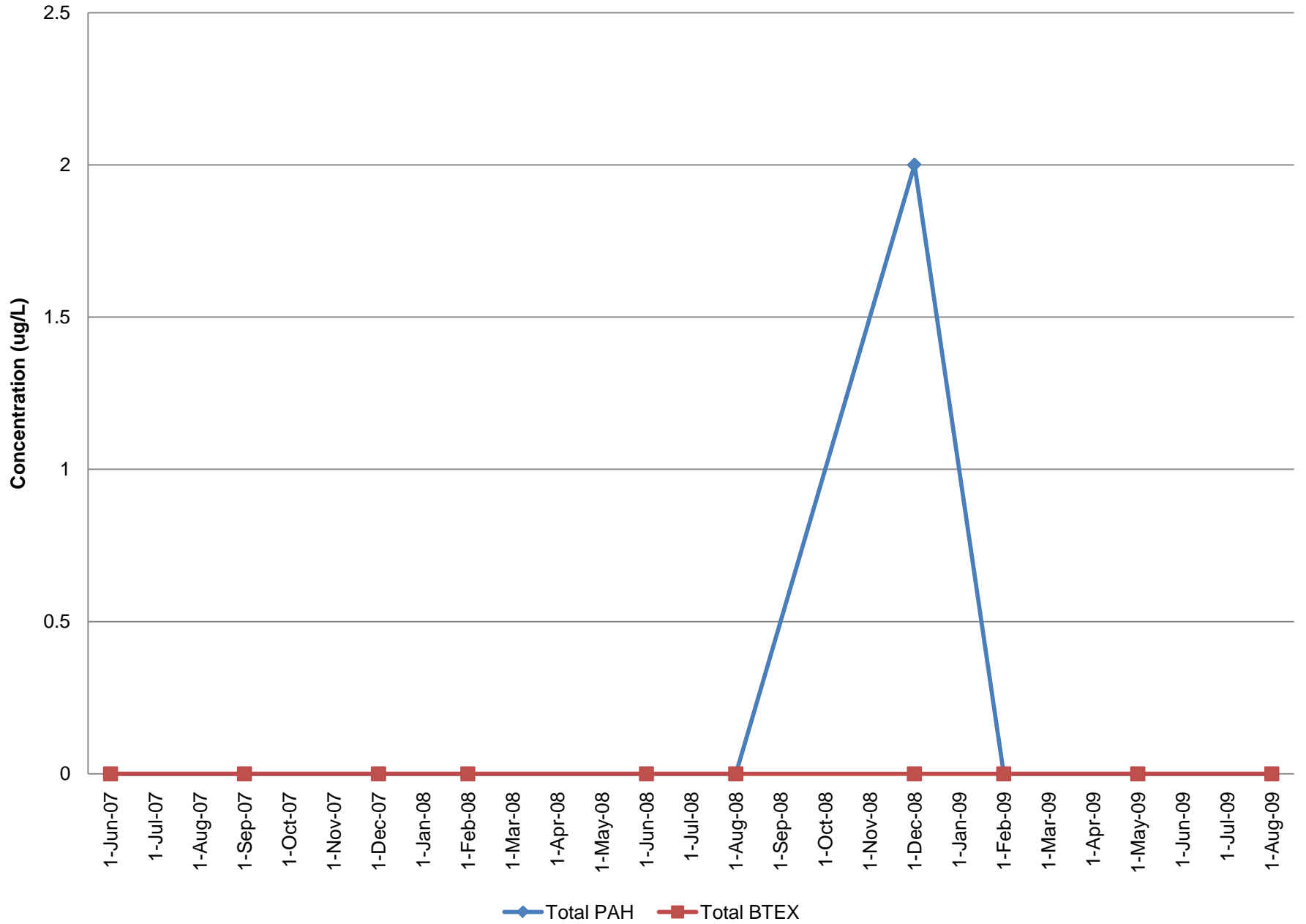
Monitoring Well OU2MW-15I 20-25 ft bgs



Monitoring Well OU2MW-15I2 30-35 ft bgs

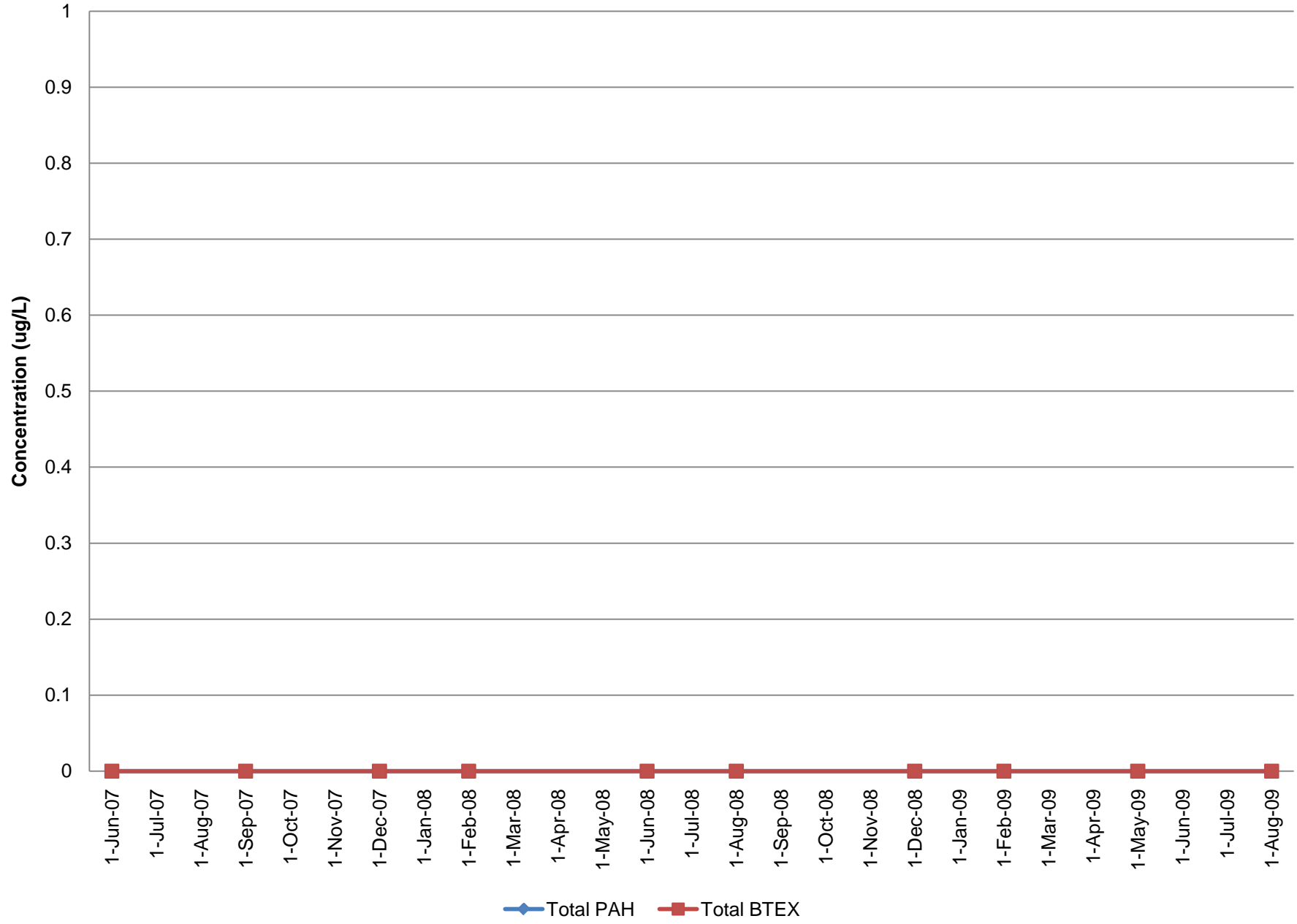


Monitoring Well OU2MW-15D 40-45 ft bgs

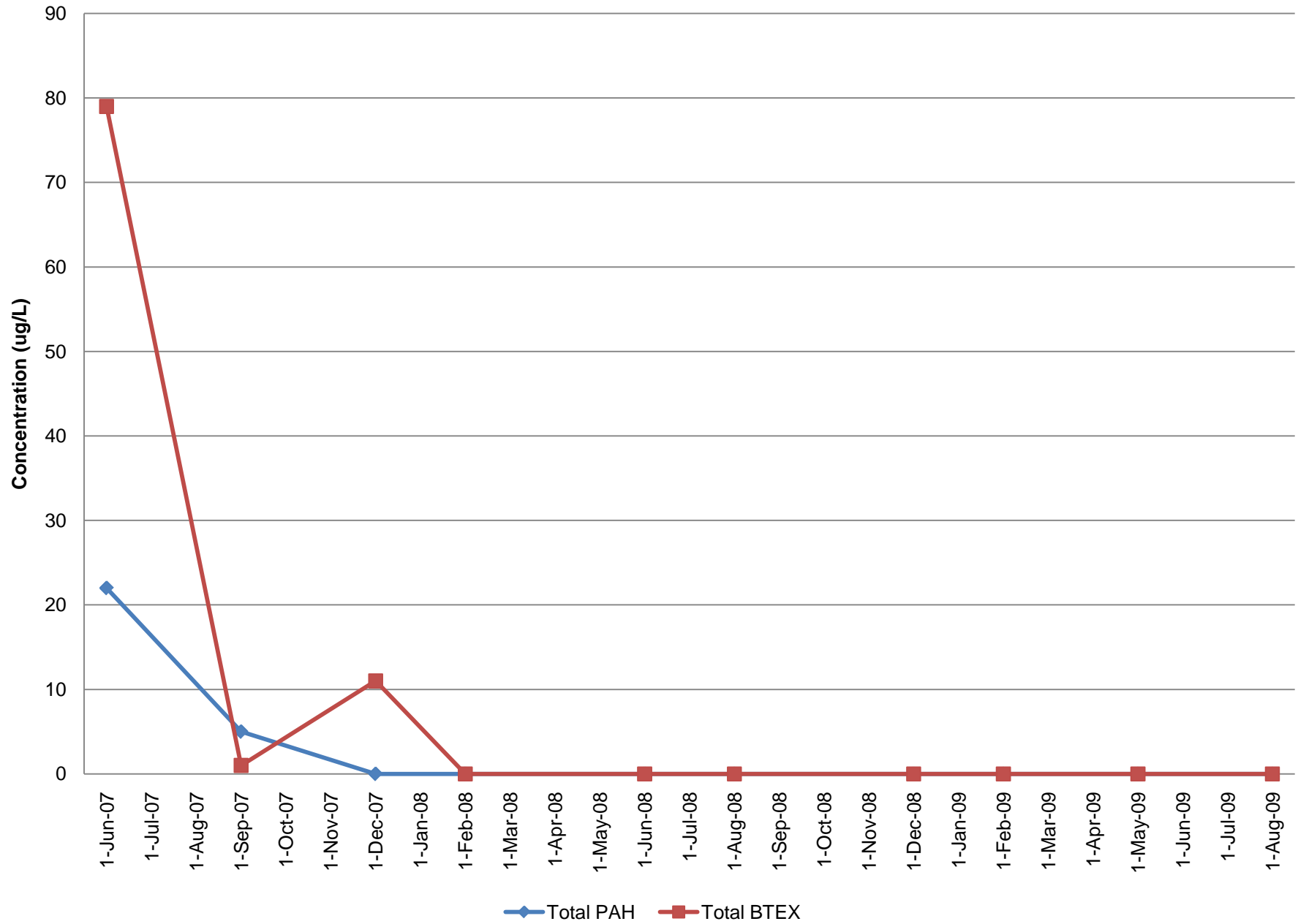


Monitoring Well OU2MW-16S

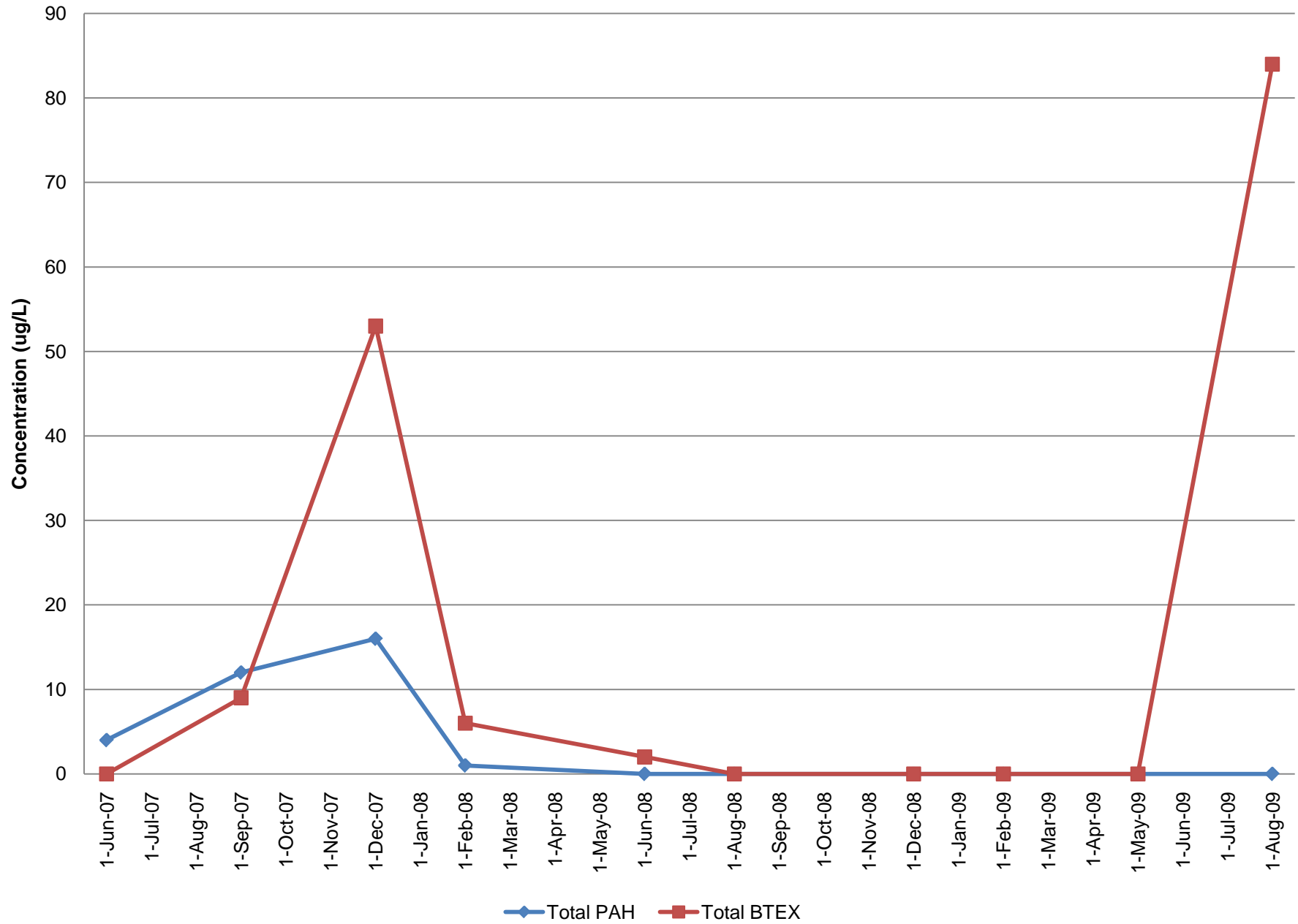
3-8 ft bgs



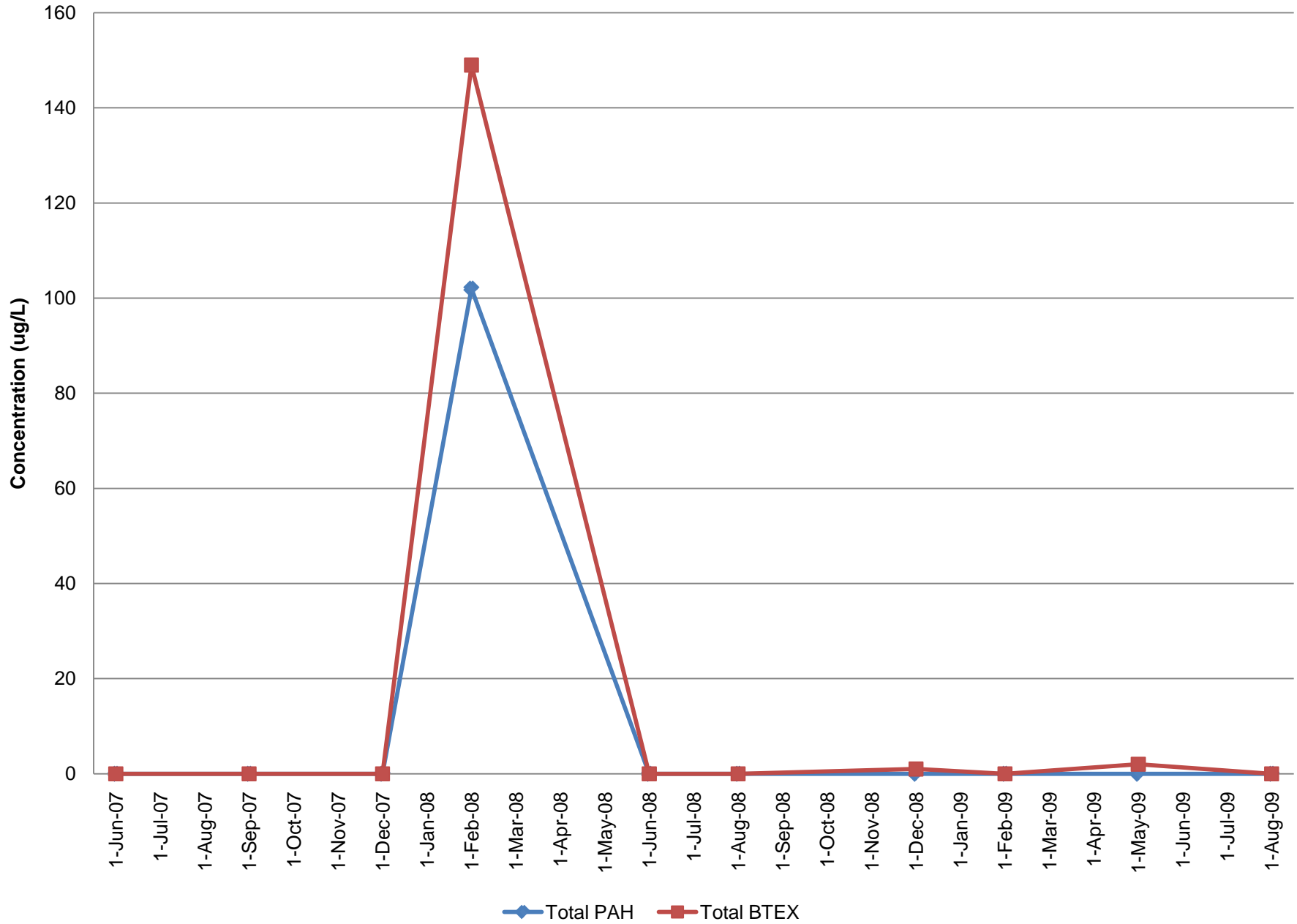
Monitoring Well OU2MW-16I 15-20 ft bgs



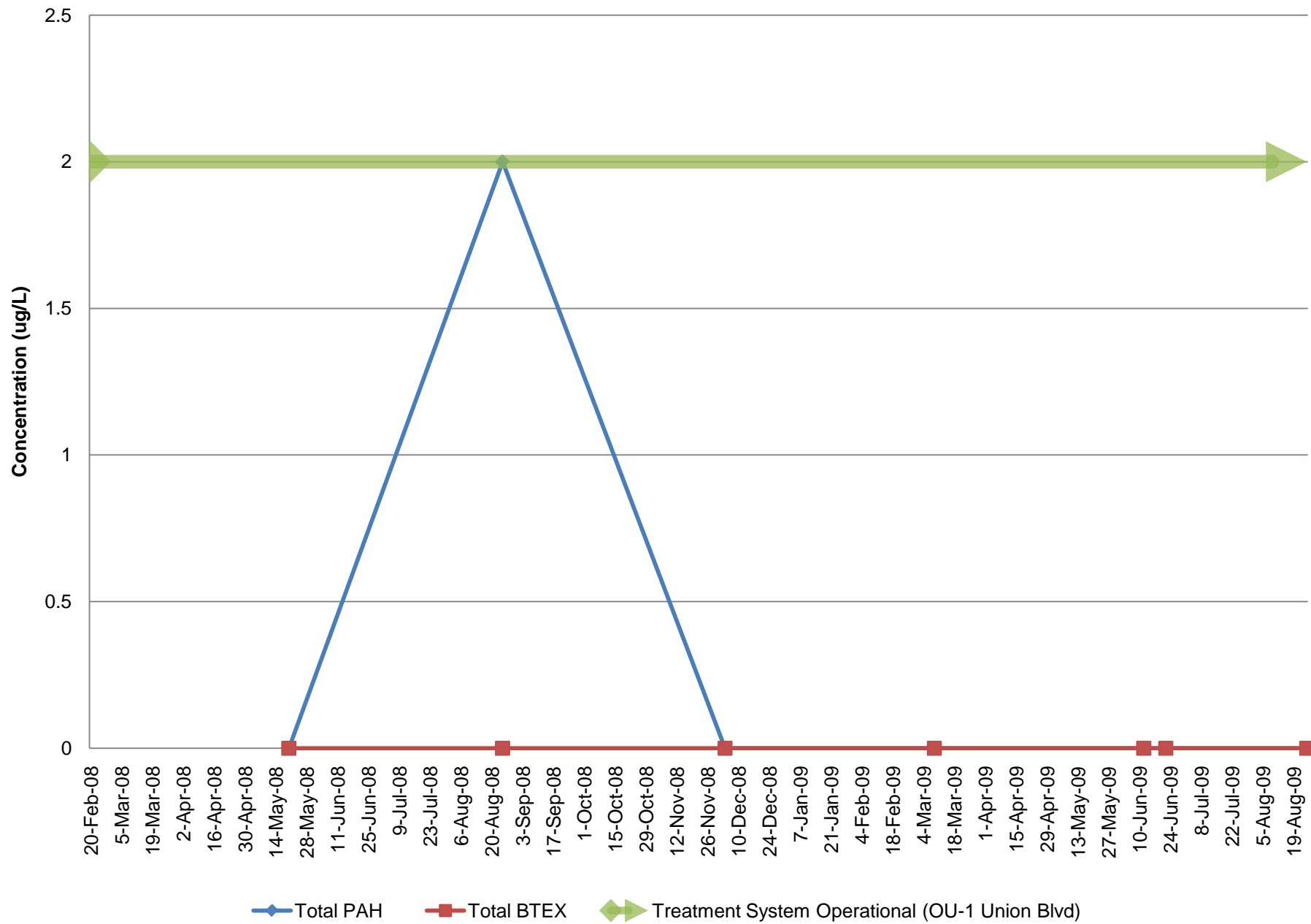
Monitoring Well OU2MW-16I2 25-30 ft bgs



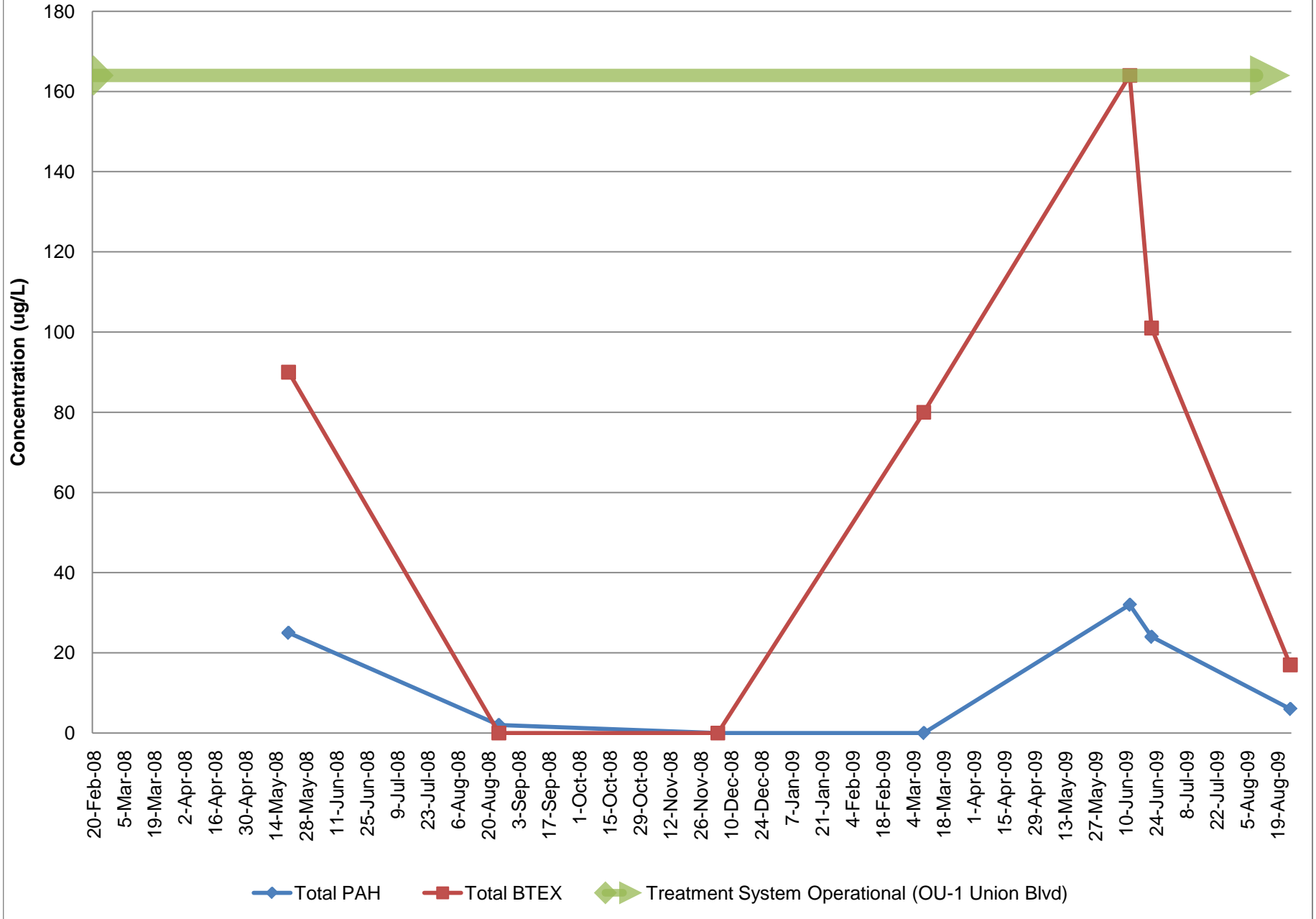
Monitoring Well OU2MW-16D 35-40 ft bgs



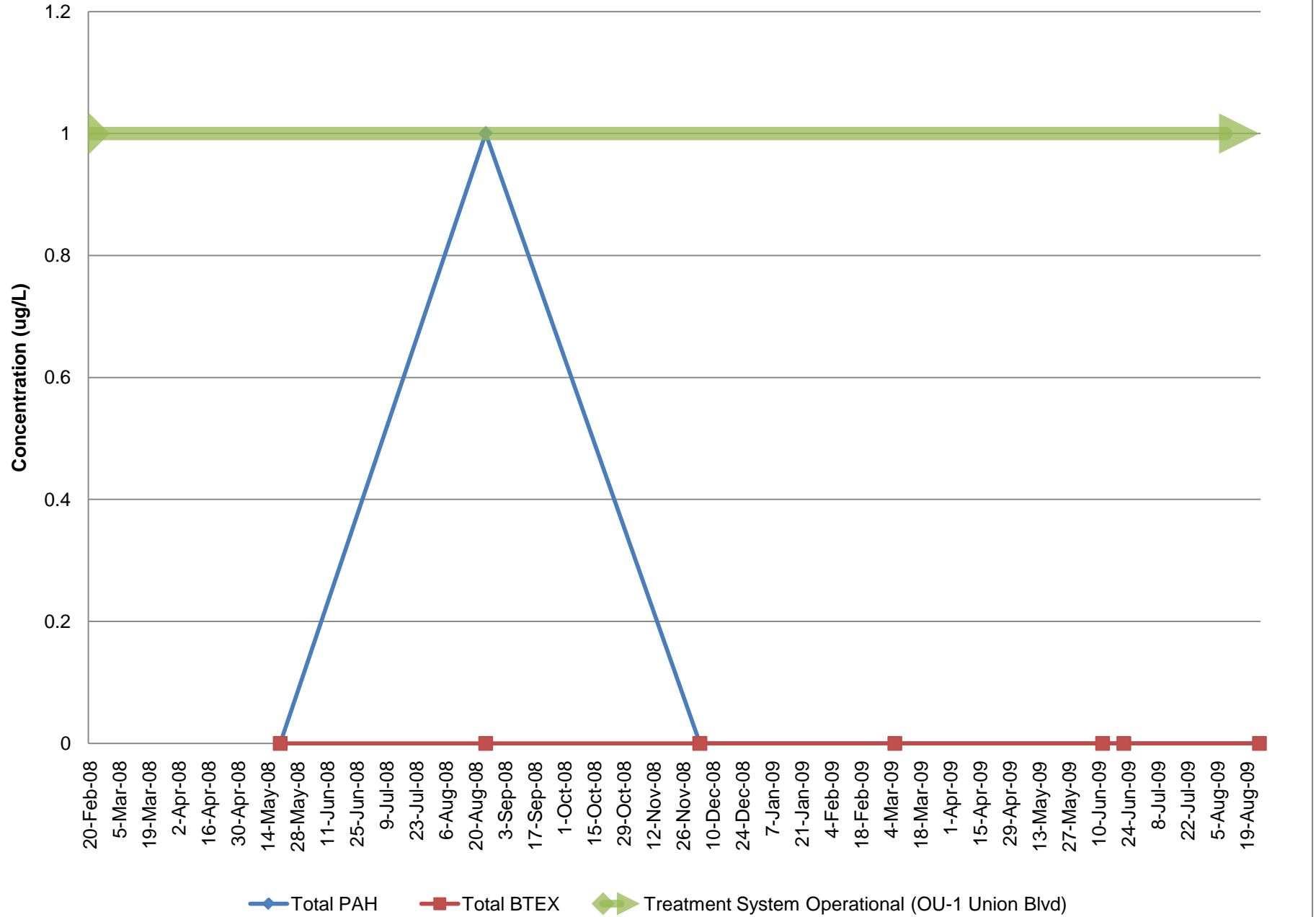
Monitoring Well OU2MW-17S 5-10 ft bgs



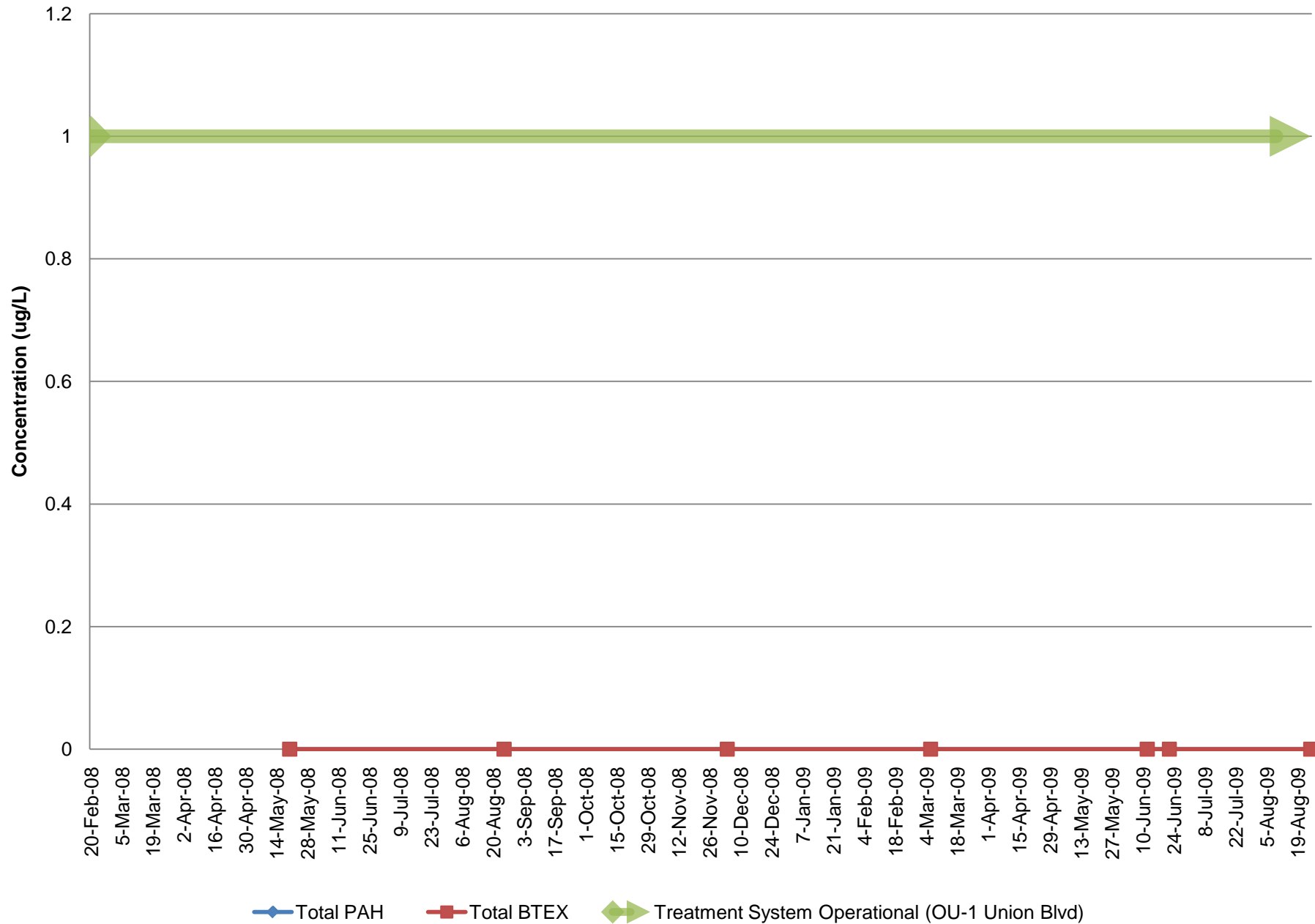
Monitoring Well OU2MW-17I 13-23 ft bgs



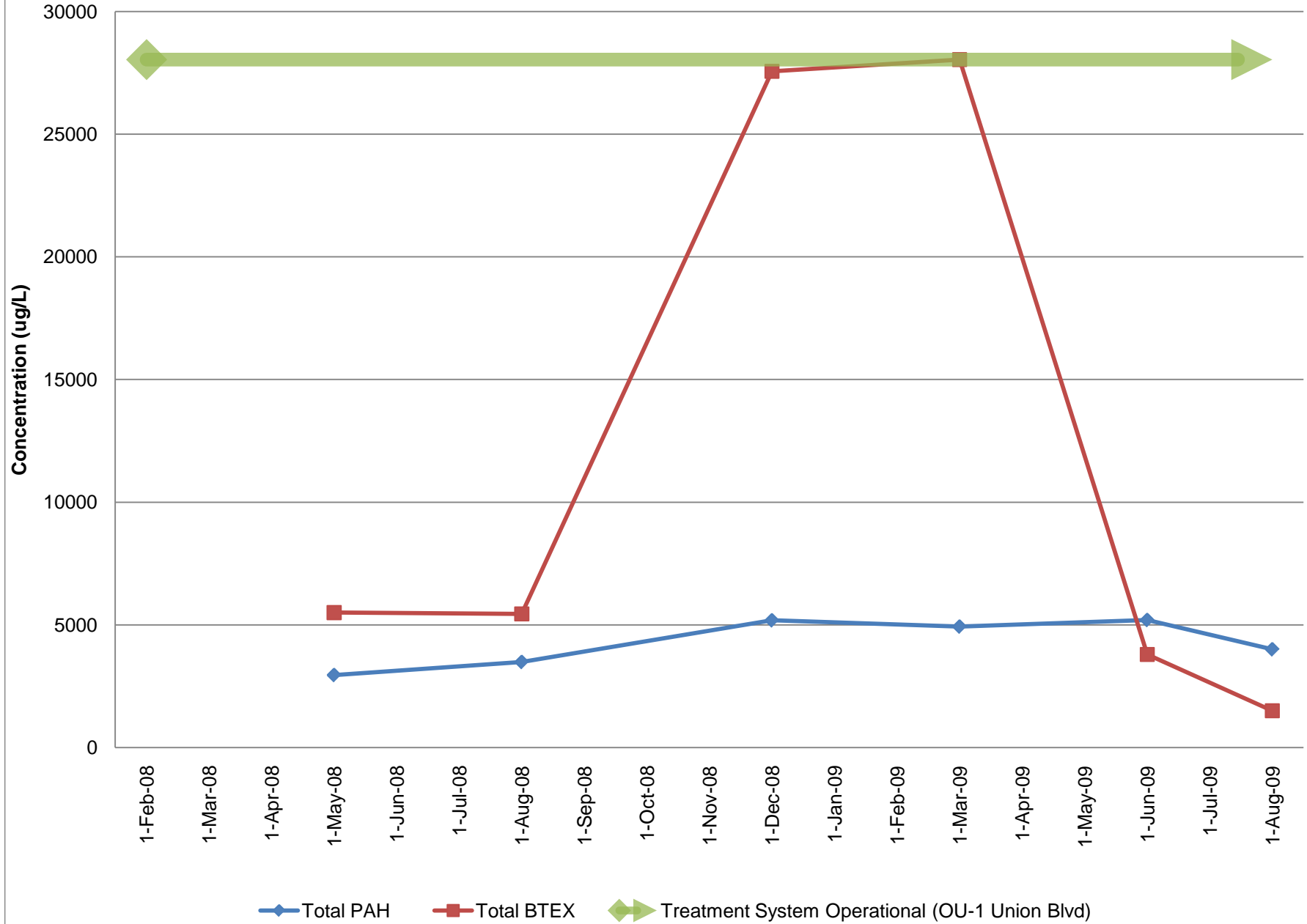
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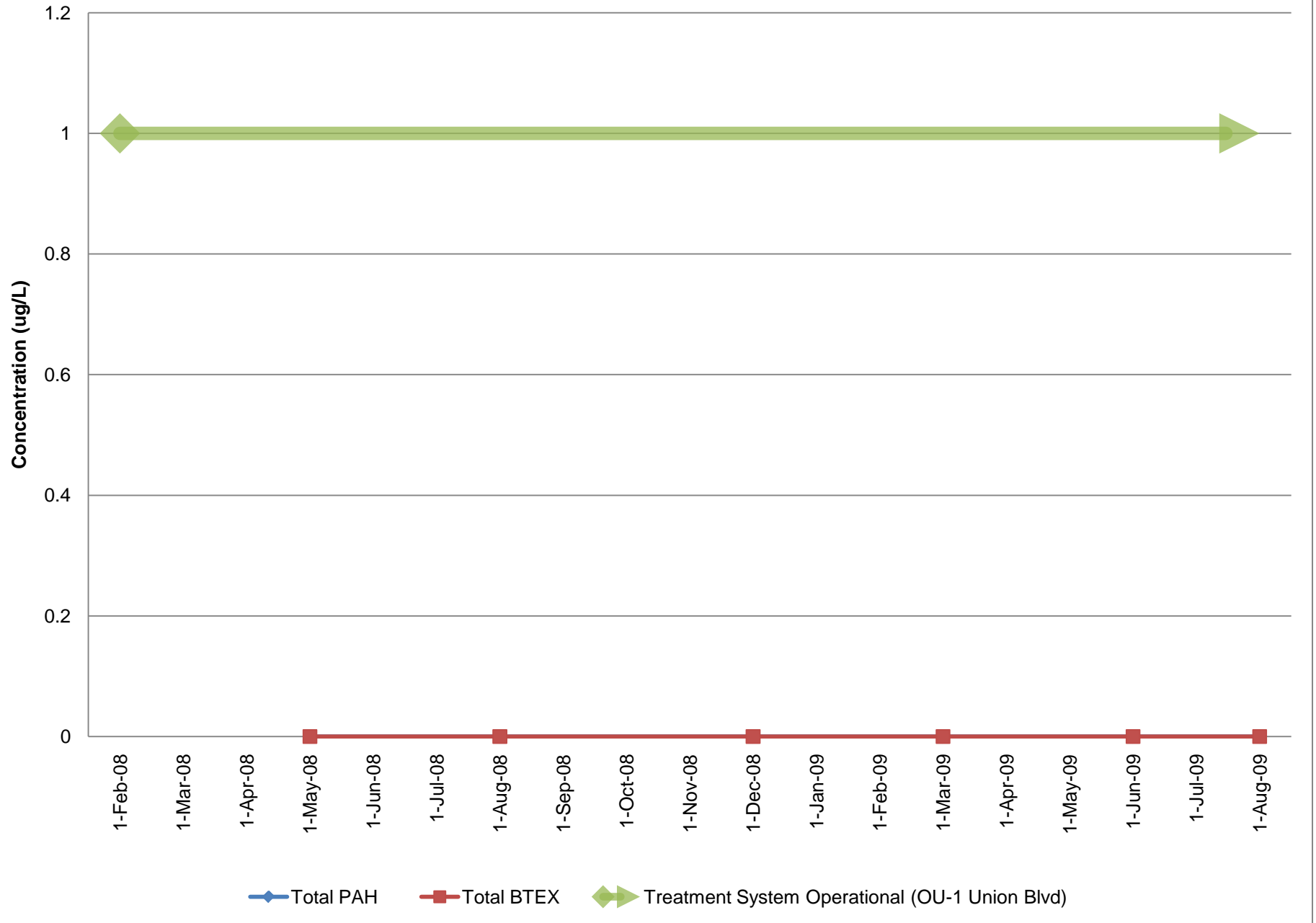
Monitoring Well OU2MW-17D 60-75 ft bgs



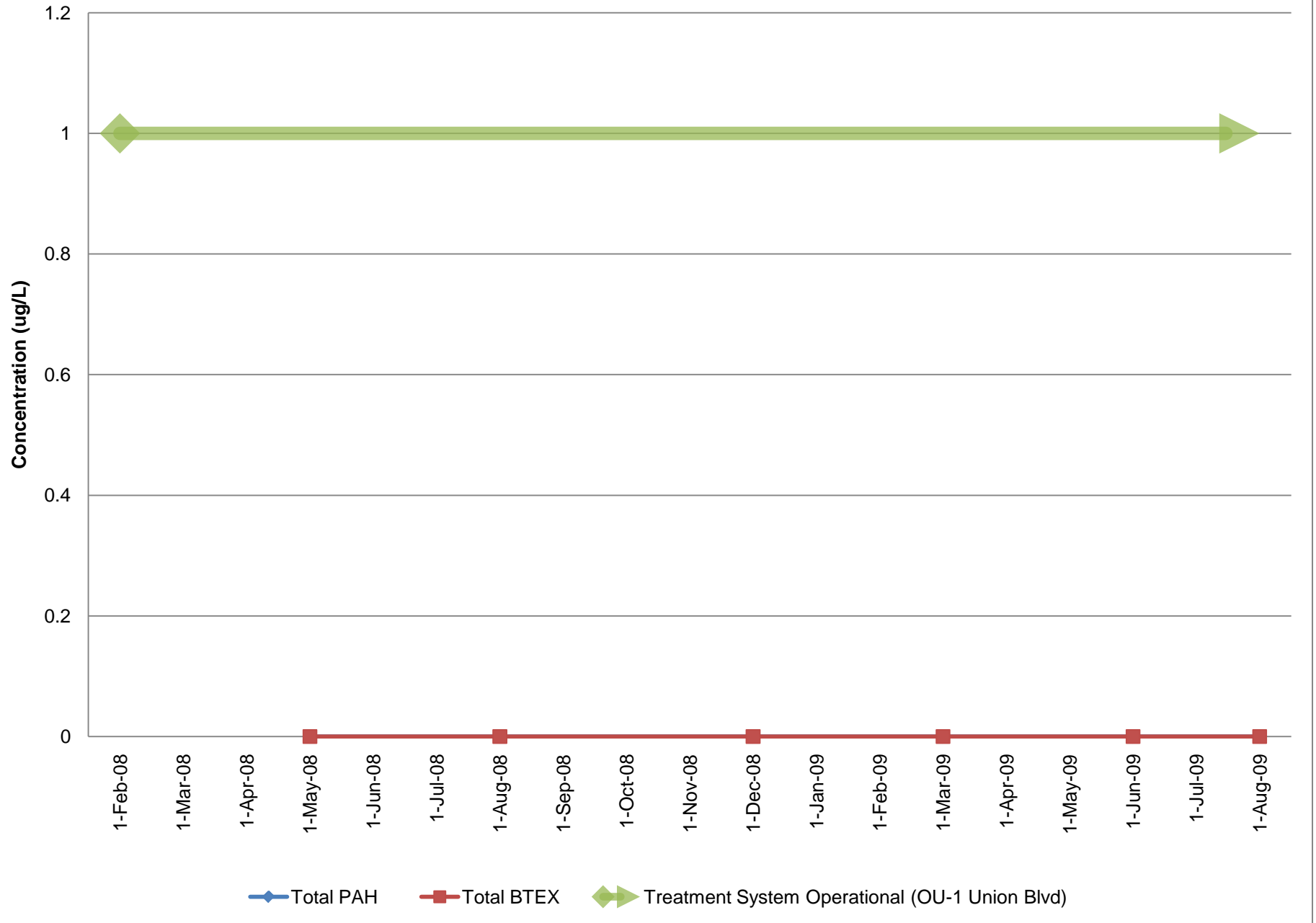
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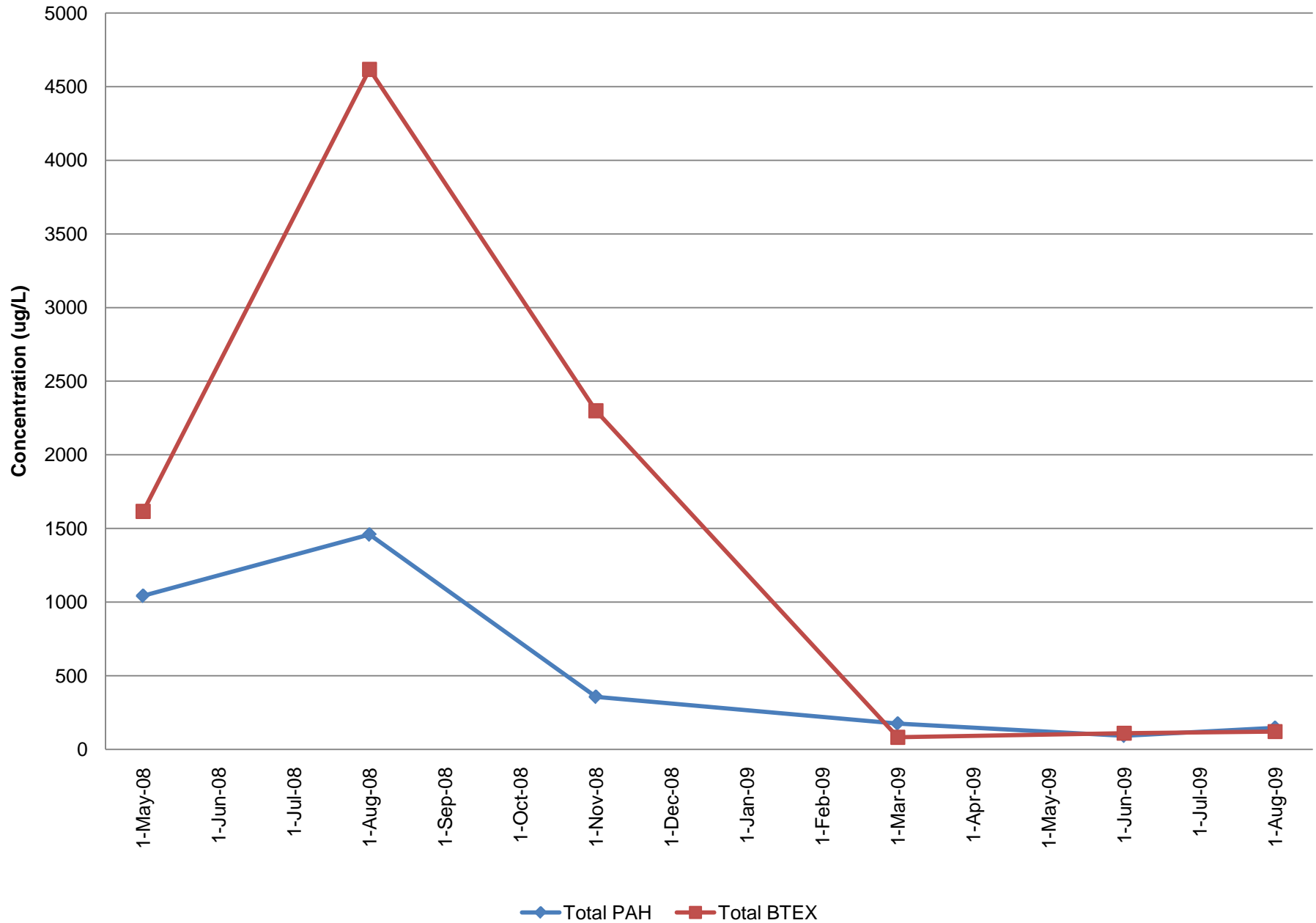
Monitoring Well OU2MW-18I2 35-45 ft bgs



Monitoring Well OU2MW-18D 60-70 ft bgs

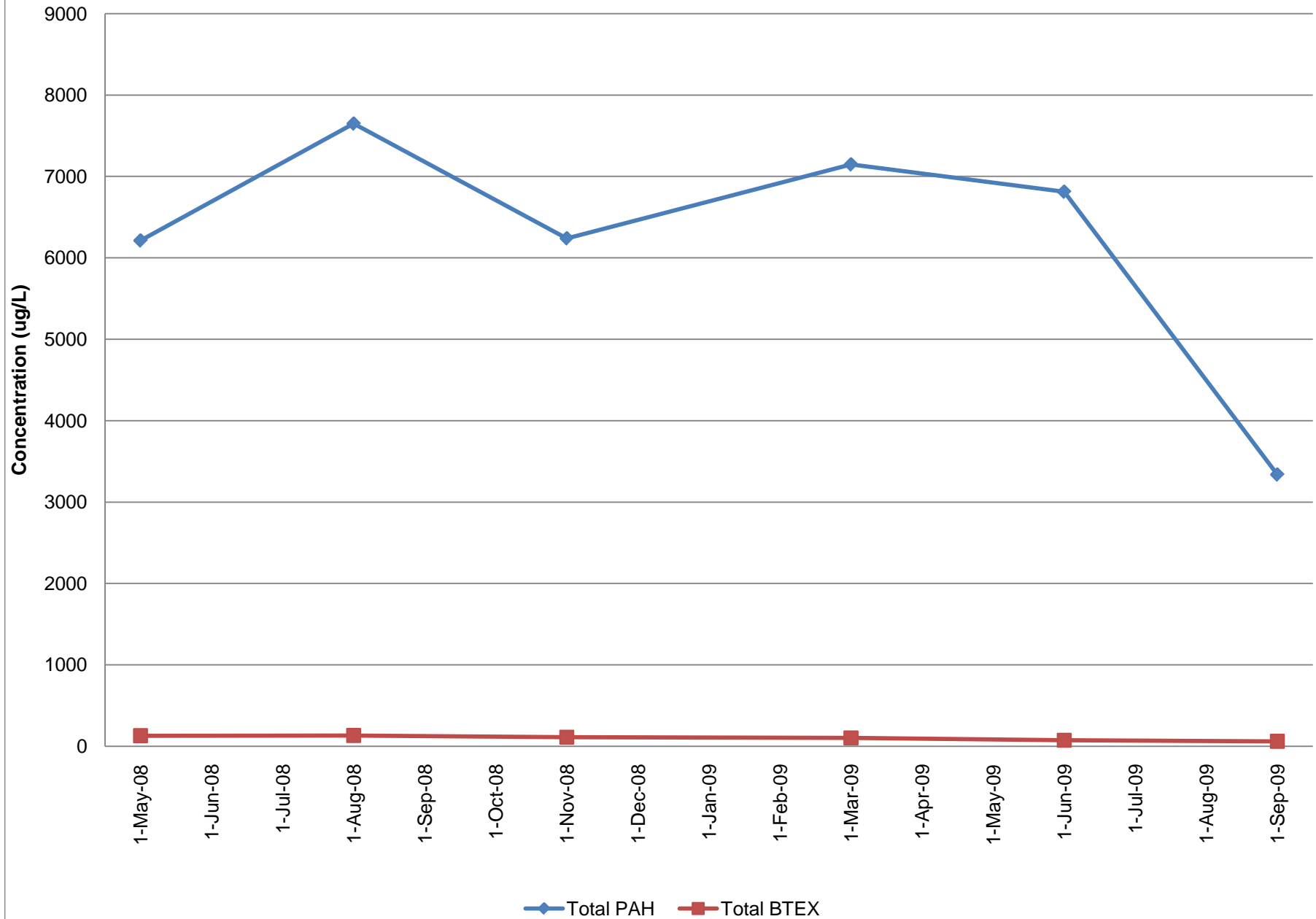


Monitoring Well OU2MW-19I 13-23 ft bgs

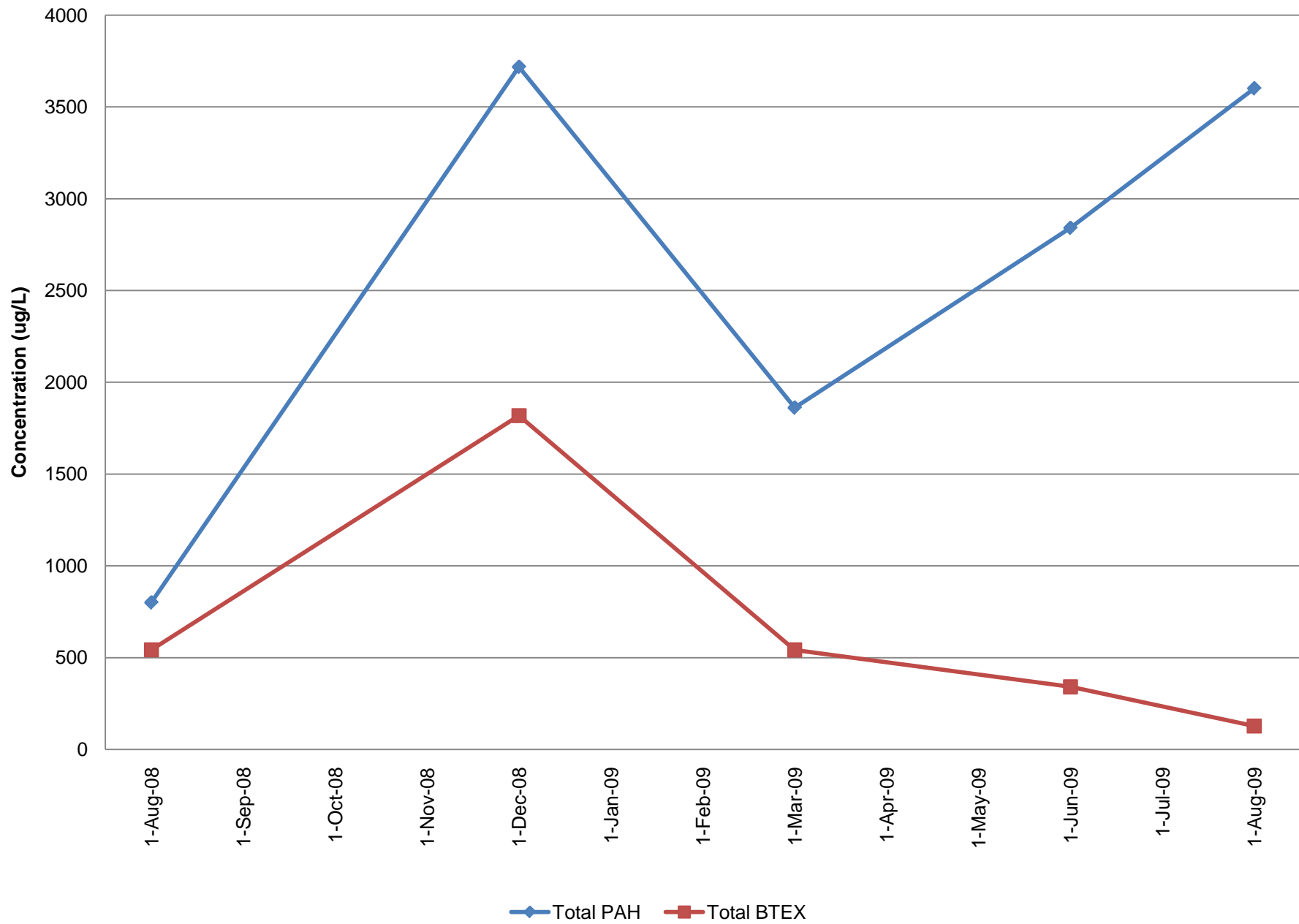


Monitoring Well OU2MW-19I2

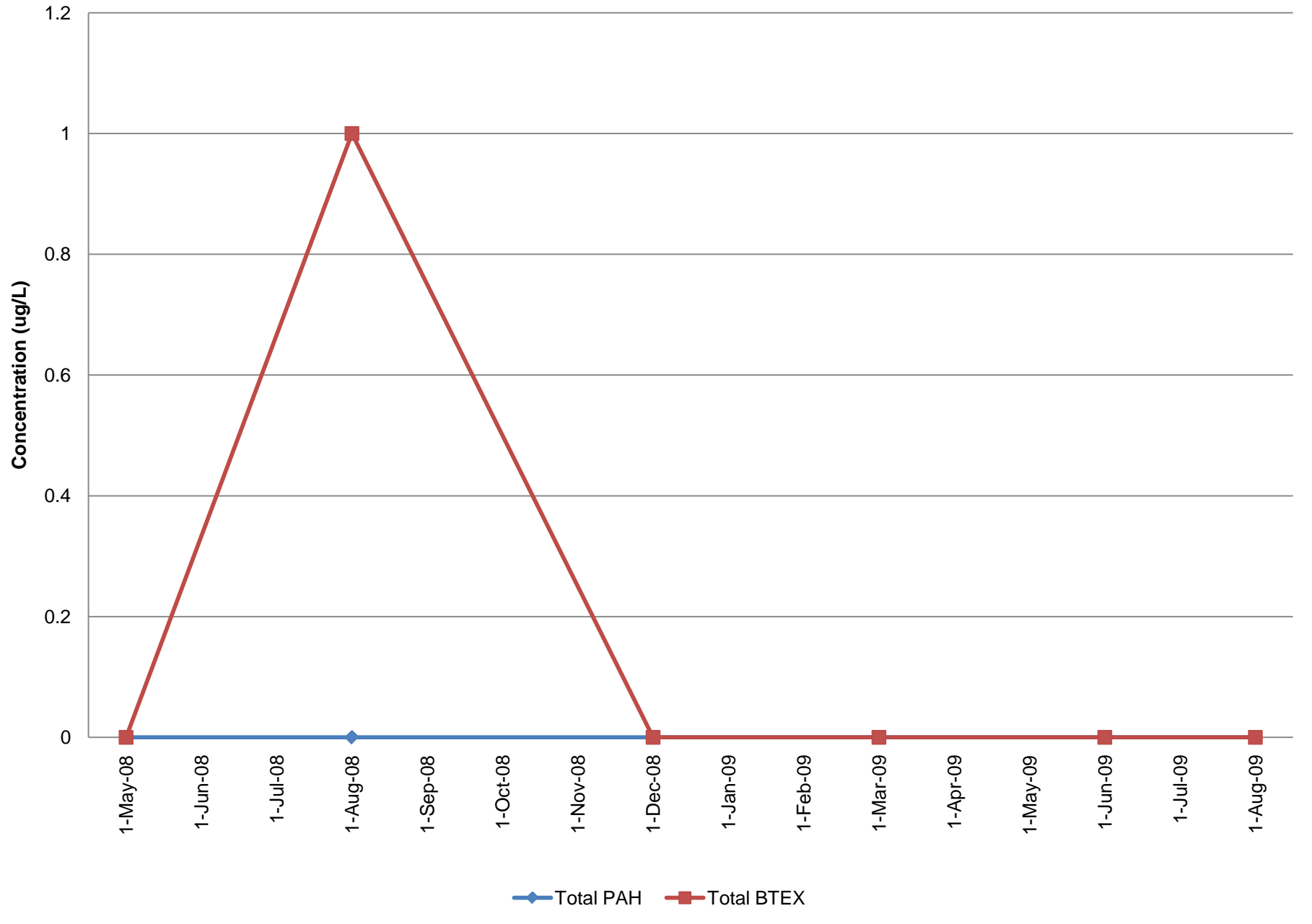
35-45 ft bgs



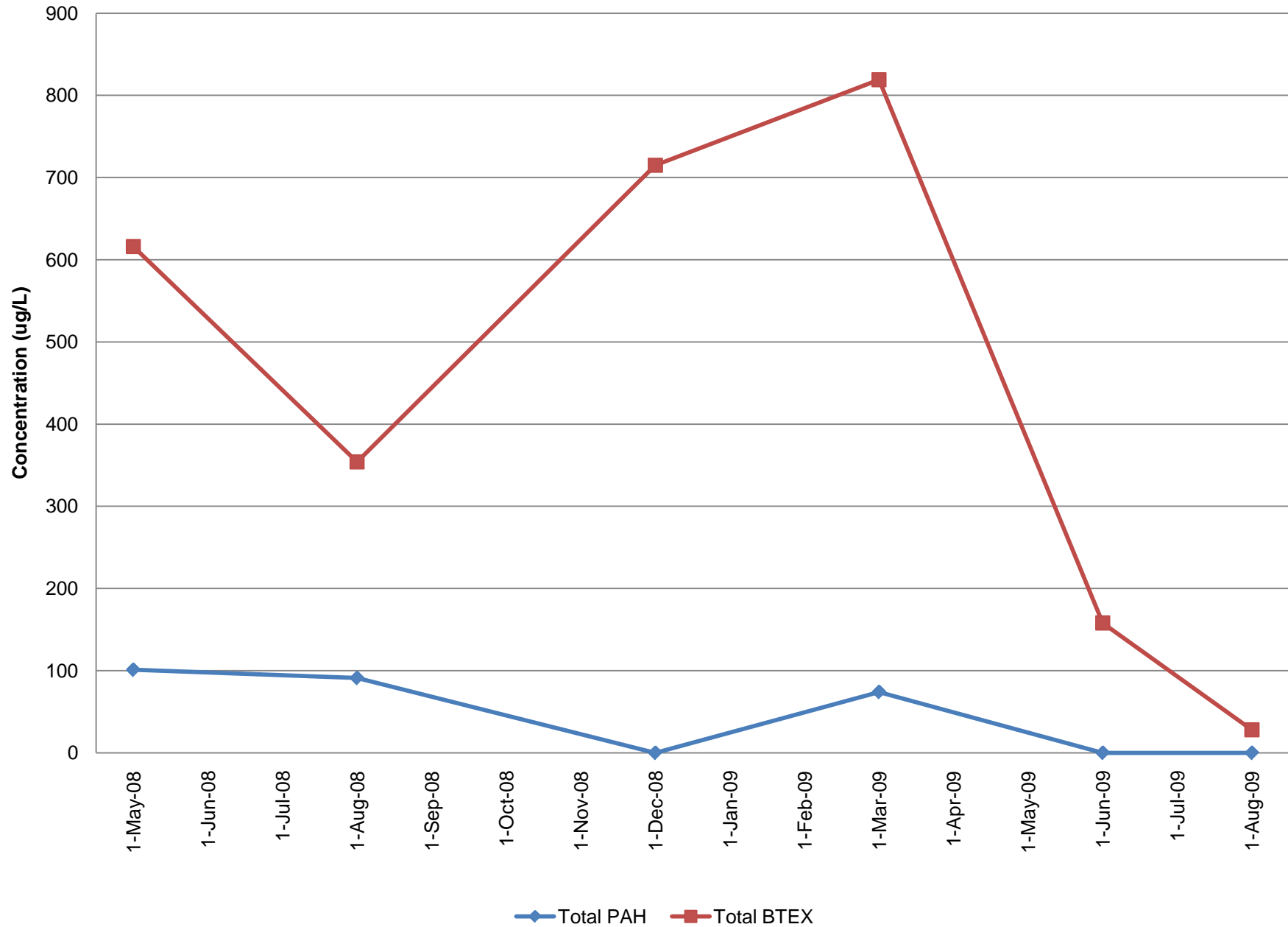
Monitoring Well OU2MW-19D 65-70 ft bgs



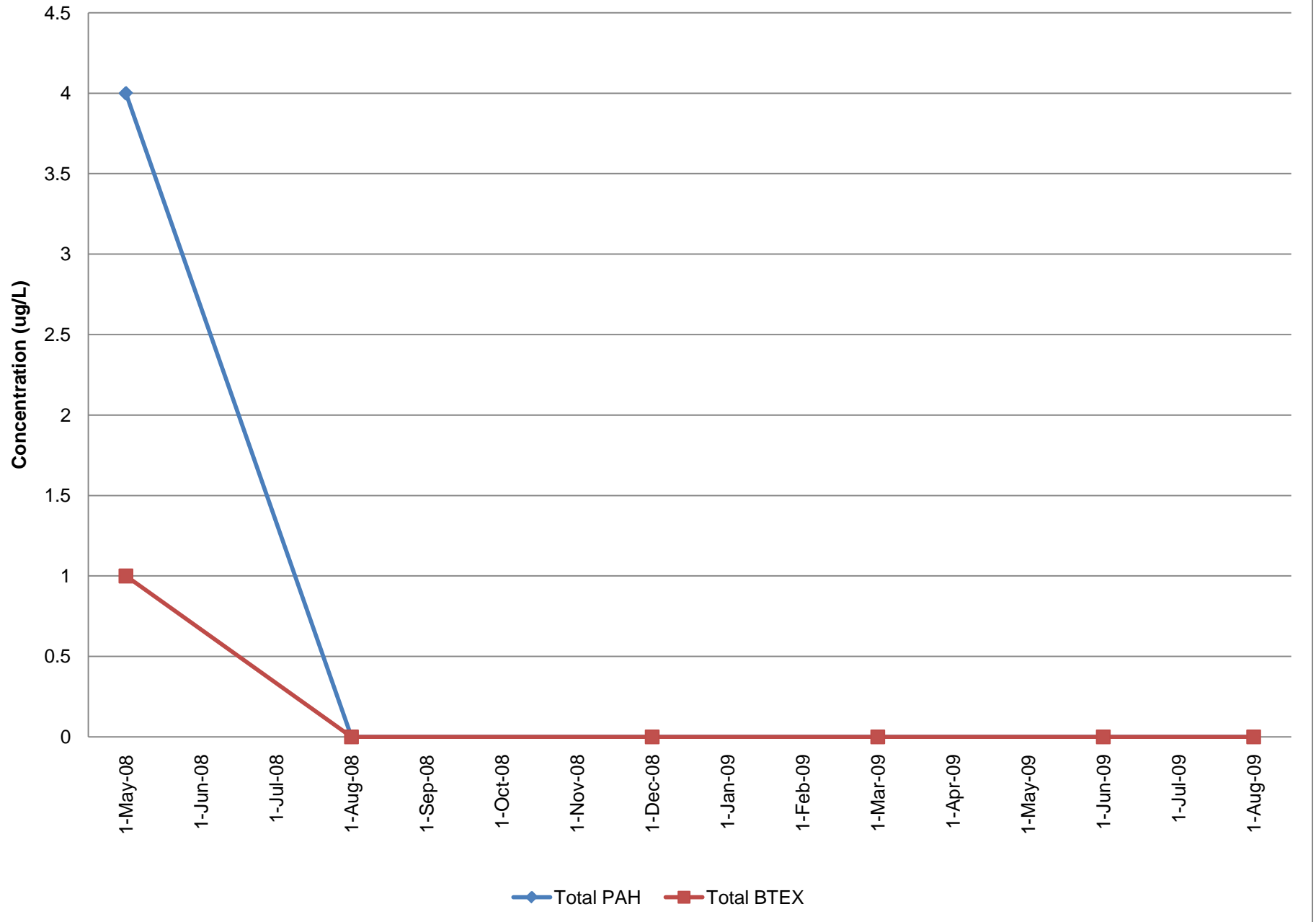
Monitoring Well OU2MW-20S 4-9 ft bgs



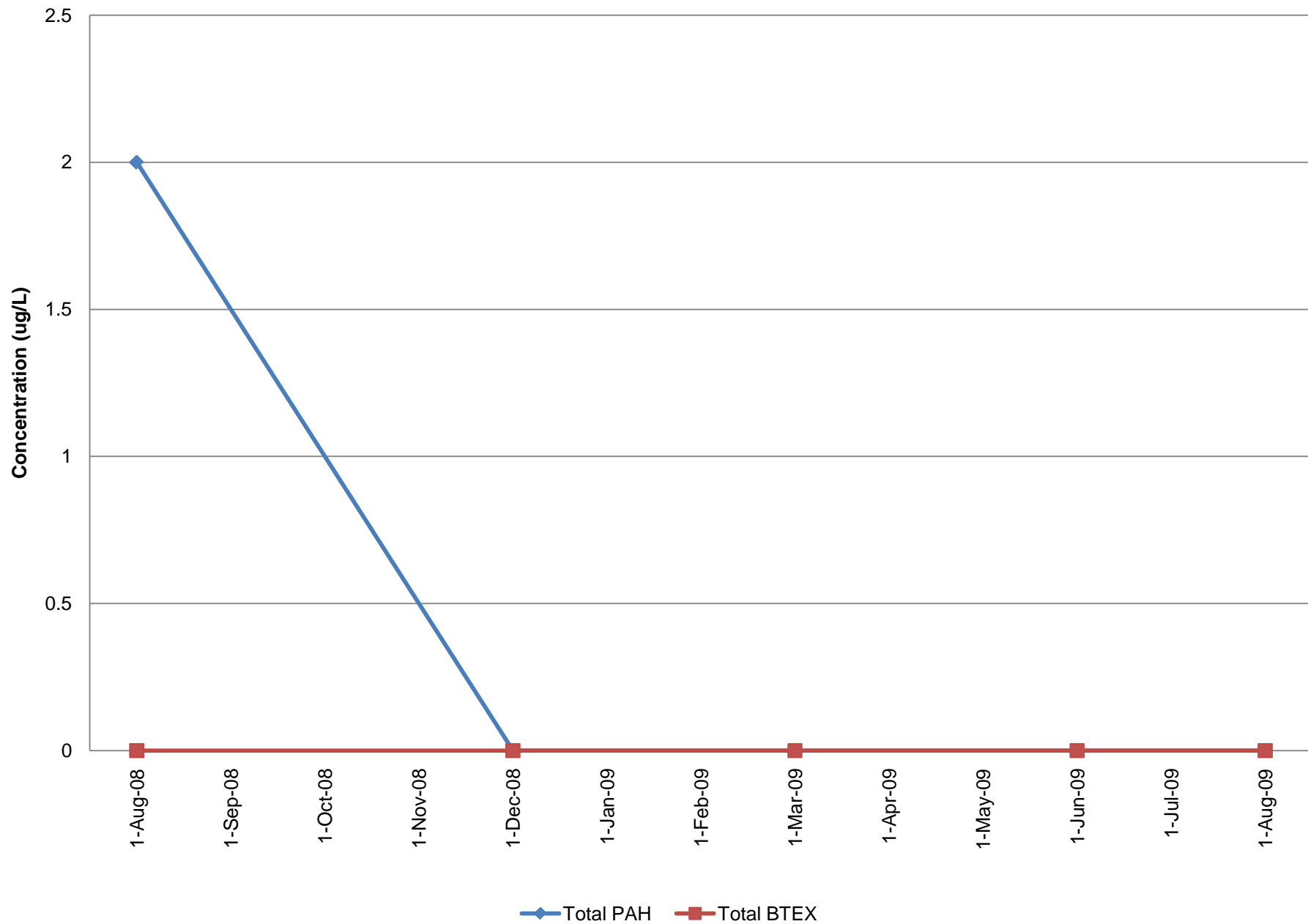
Monitoring Well OU2MW-20I 13-23 ft bgs



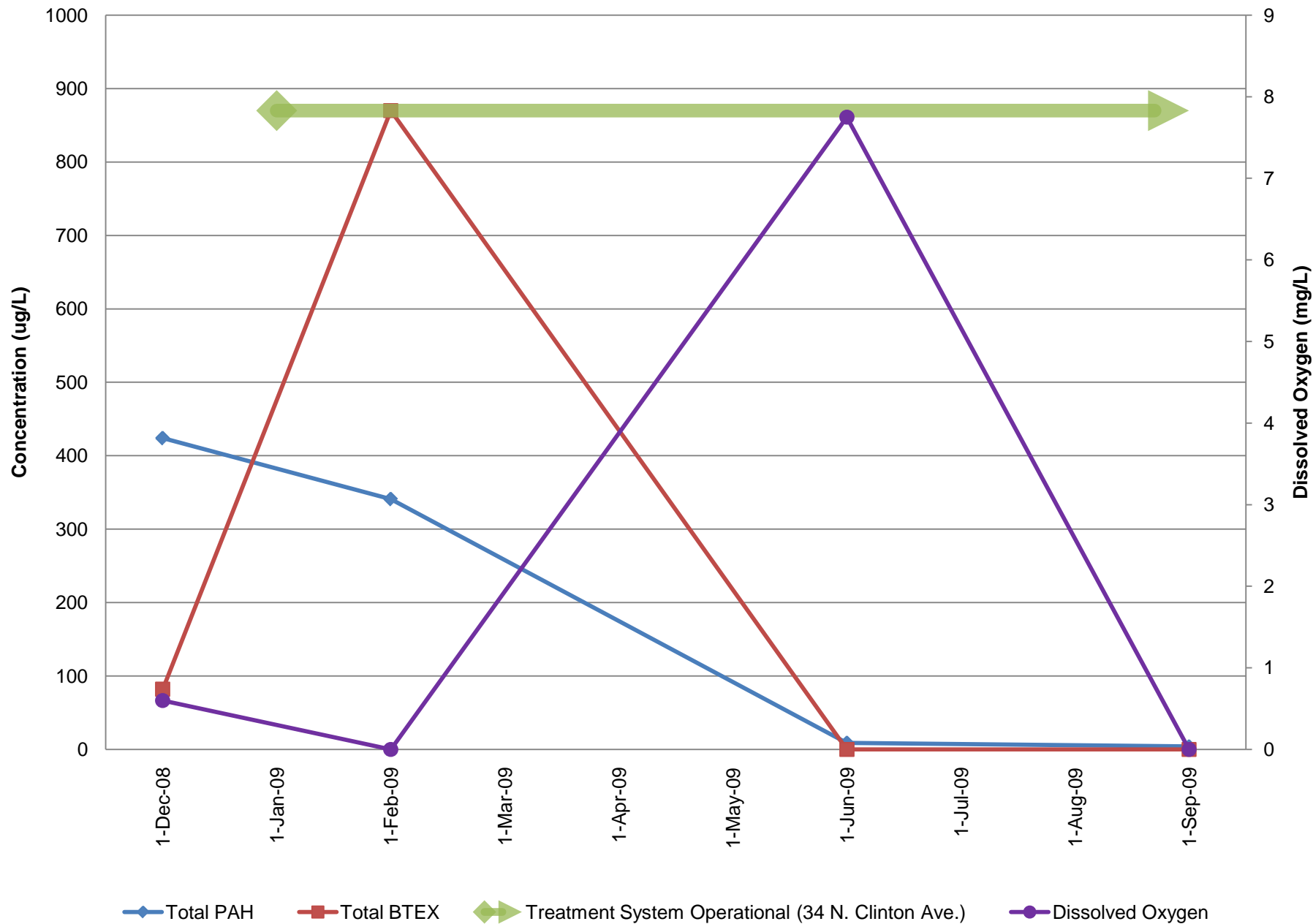
Monitoring Well OU2MW-2012 35-45 ft bgs



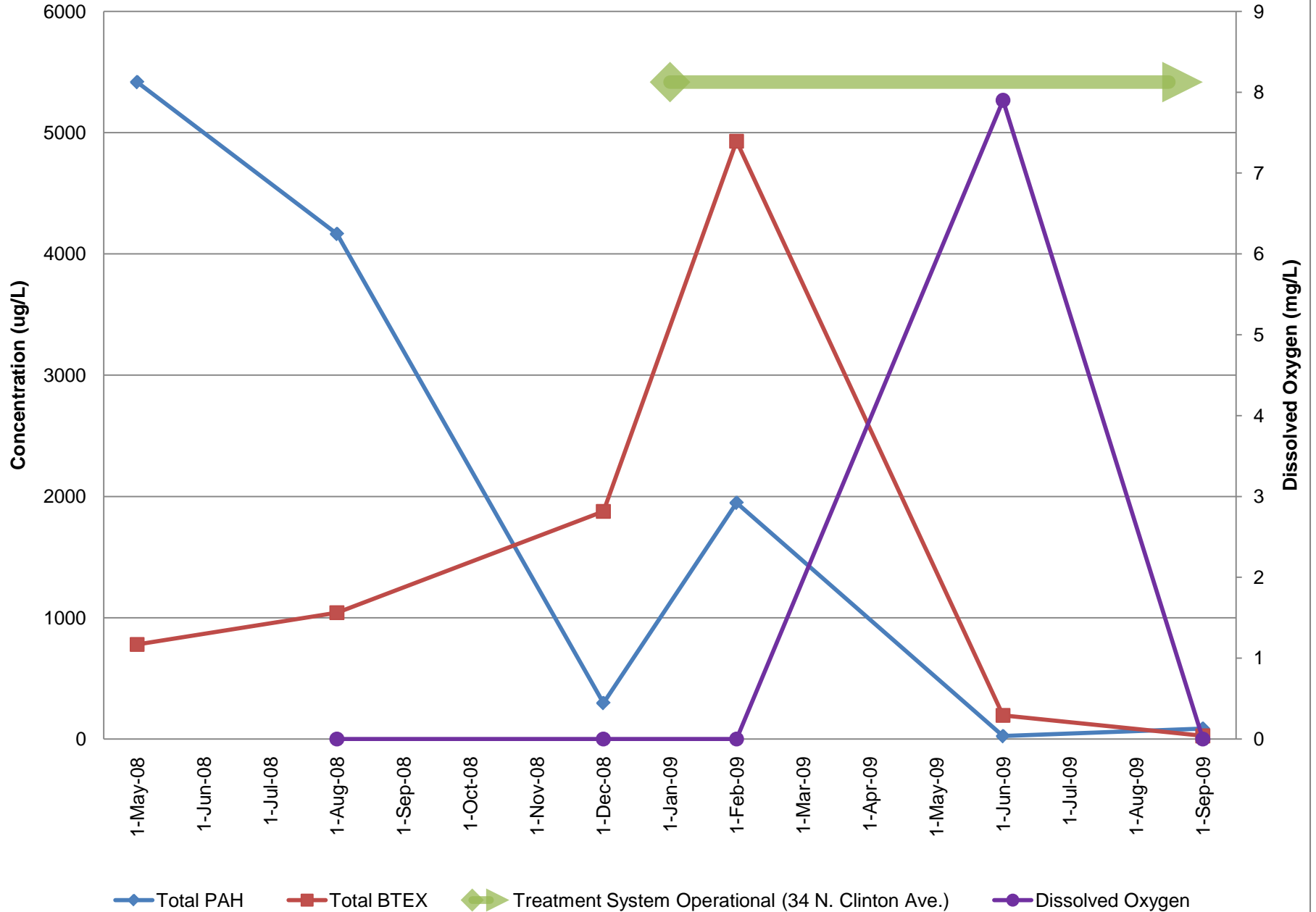
Monitoring Well OU2MW-20D 65-70 ft bgs



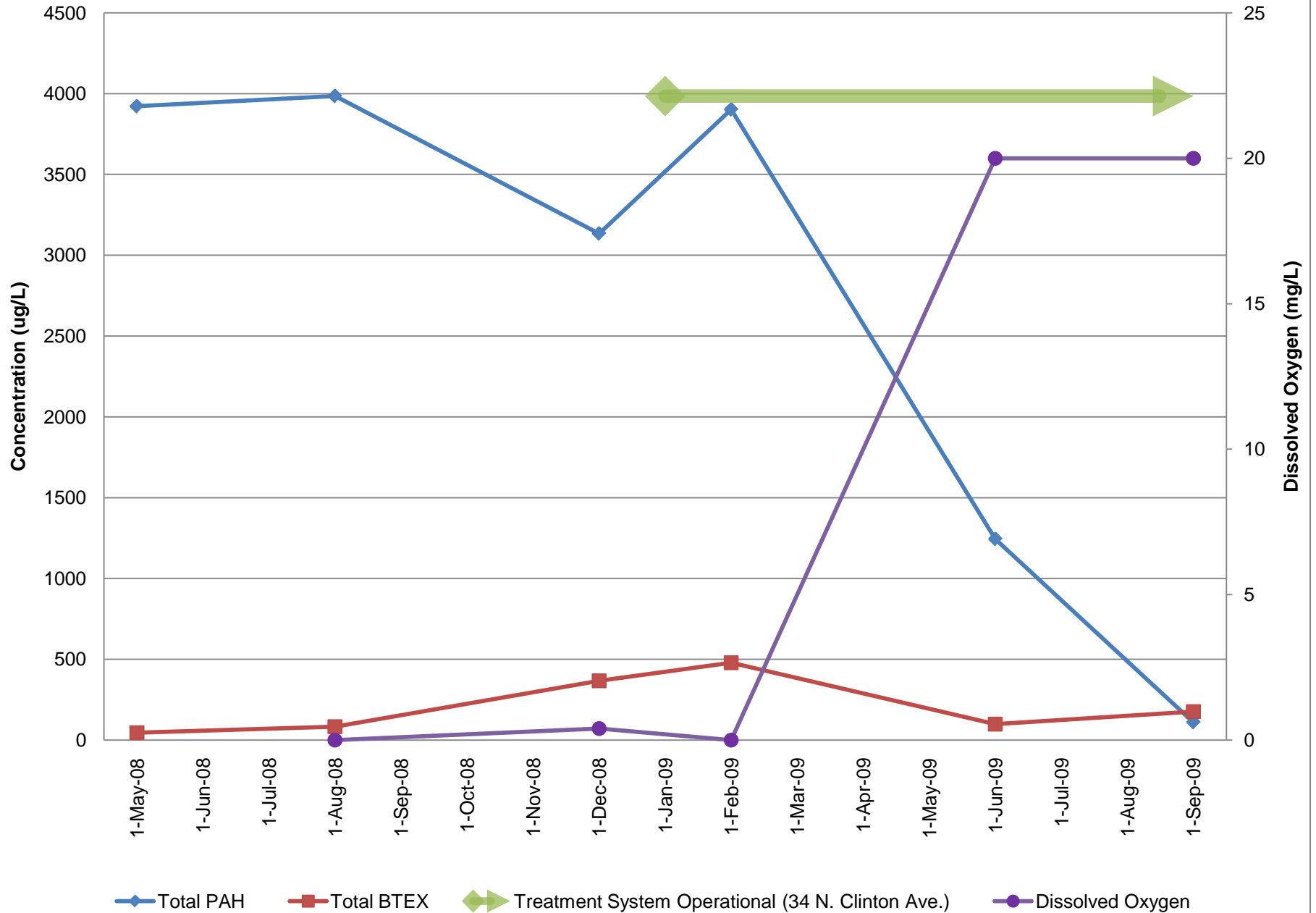
Monitoring Well OU2MW-21S 5-15 ft bgs



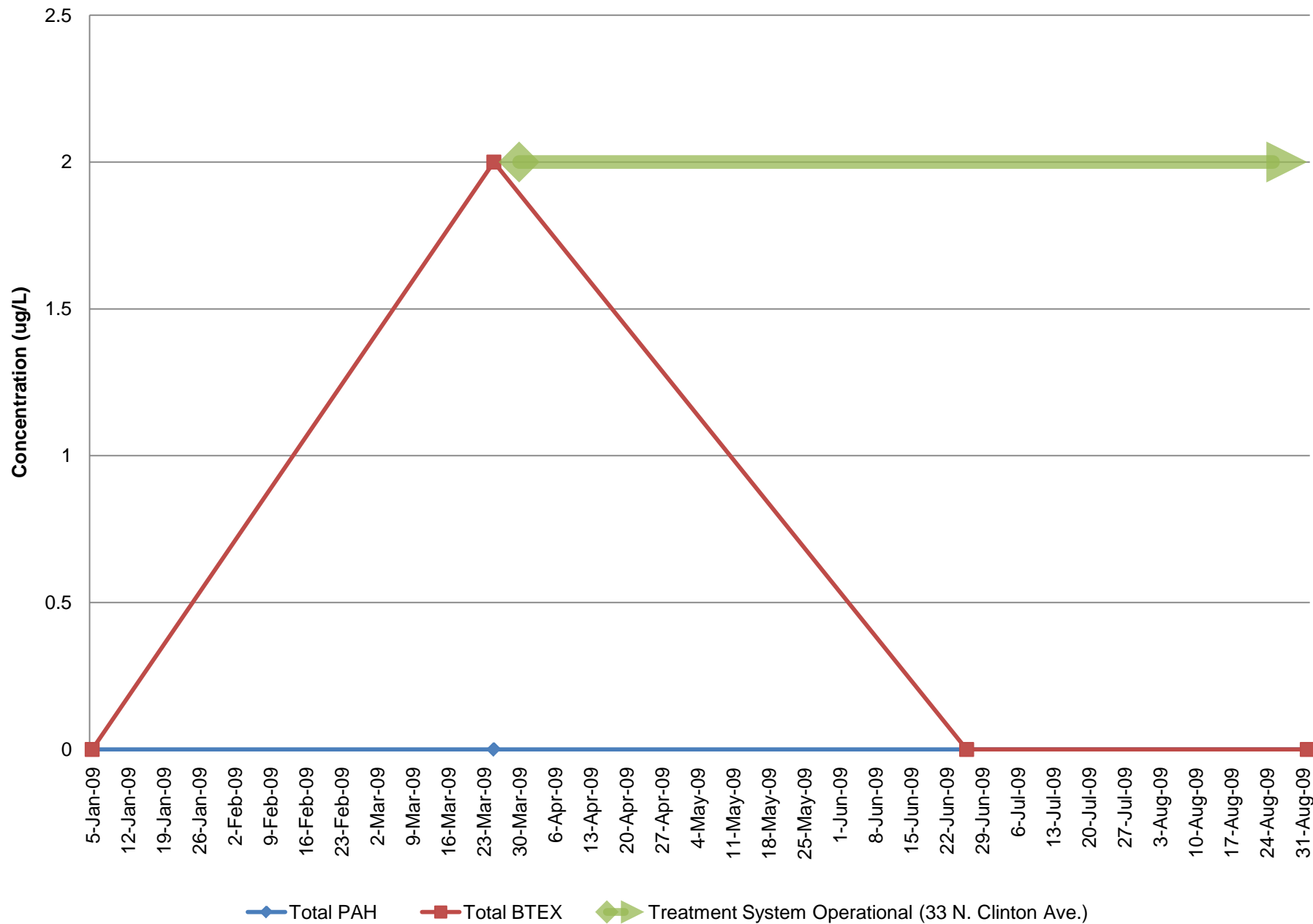
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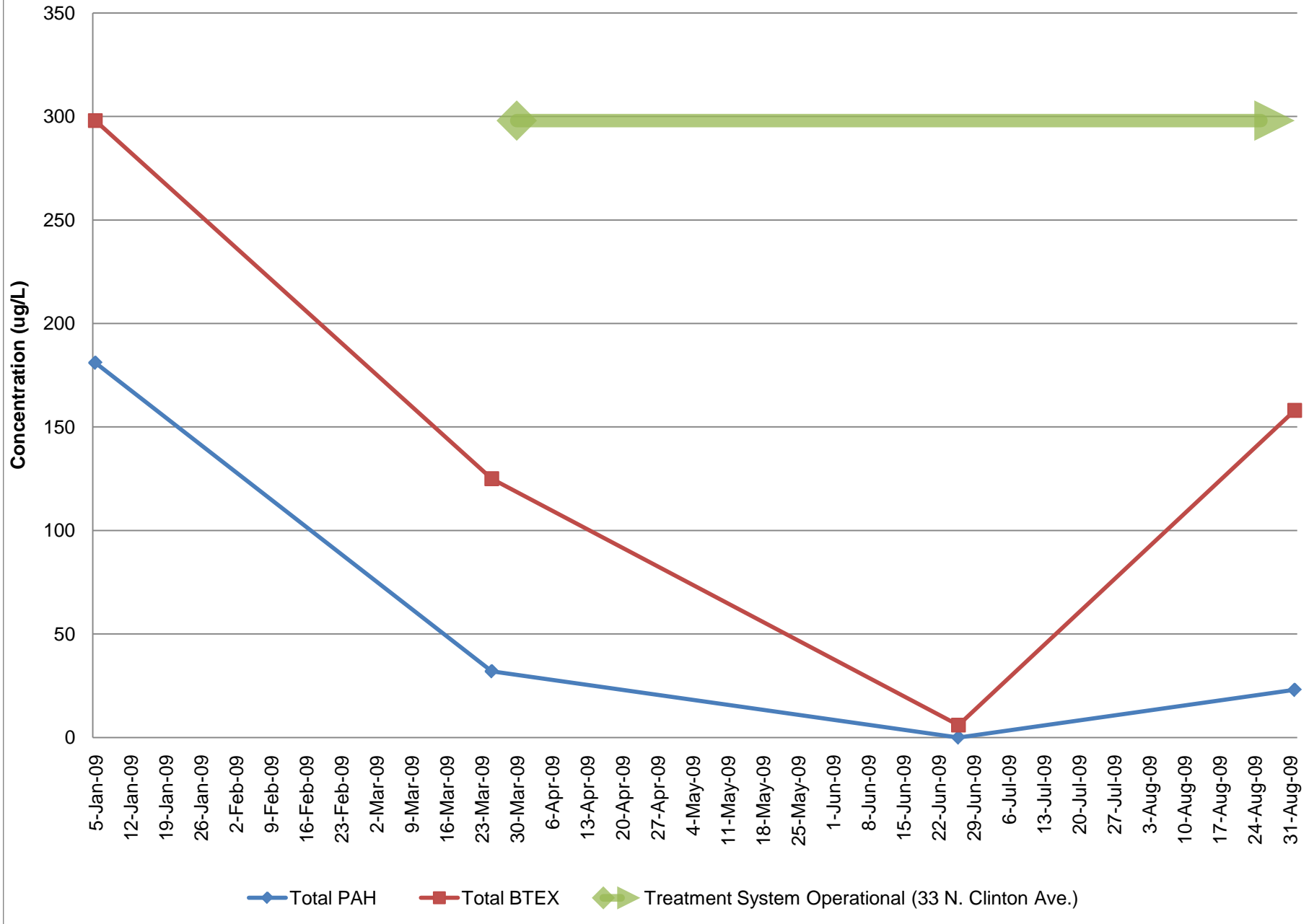
Monitoring Well OU2MW-21I2 35-45 ft bgs



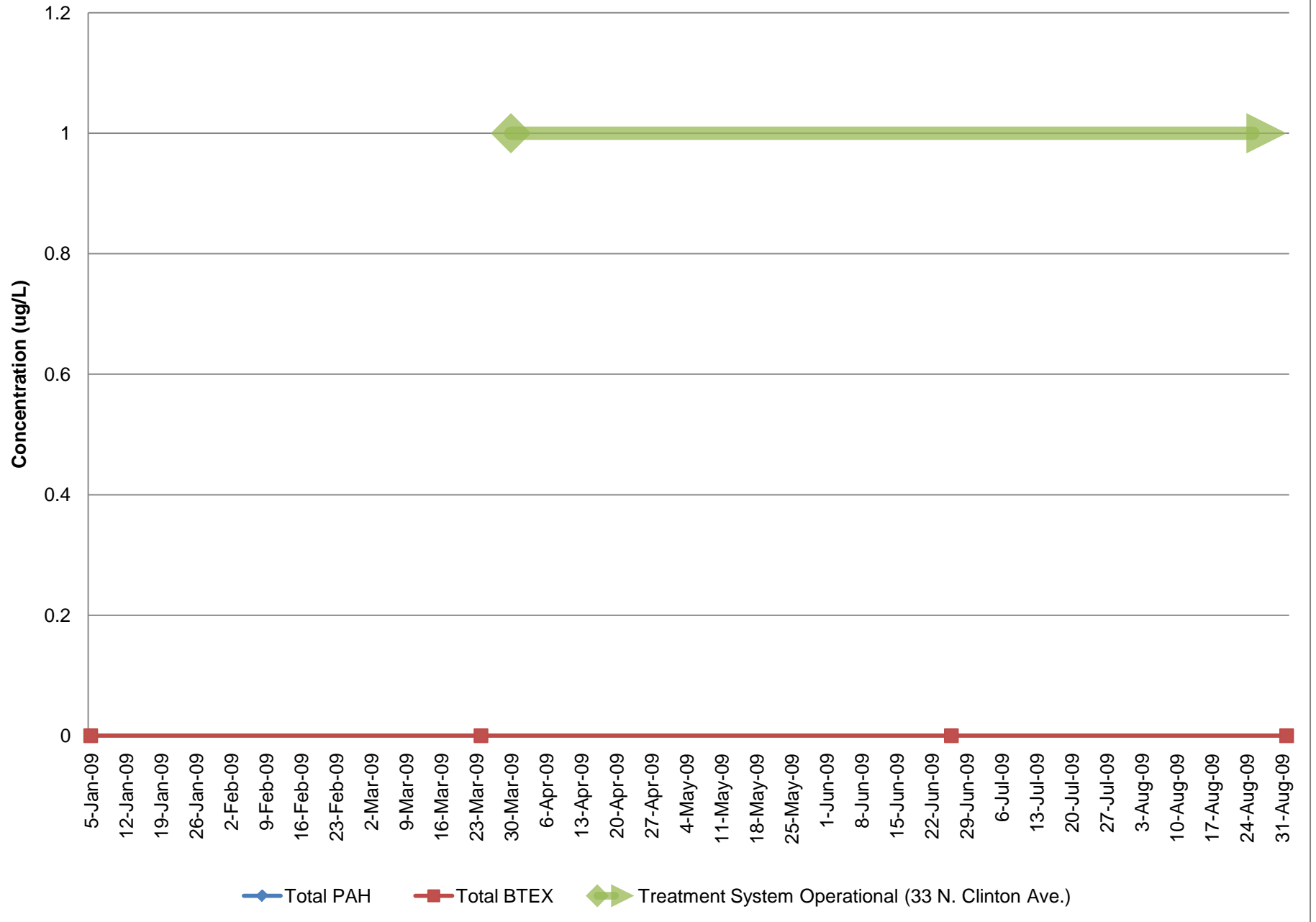
Monitoring Well OU2MW-22S 5-15 ft bgs



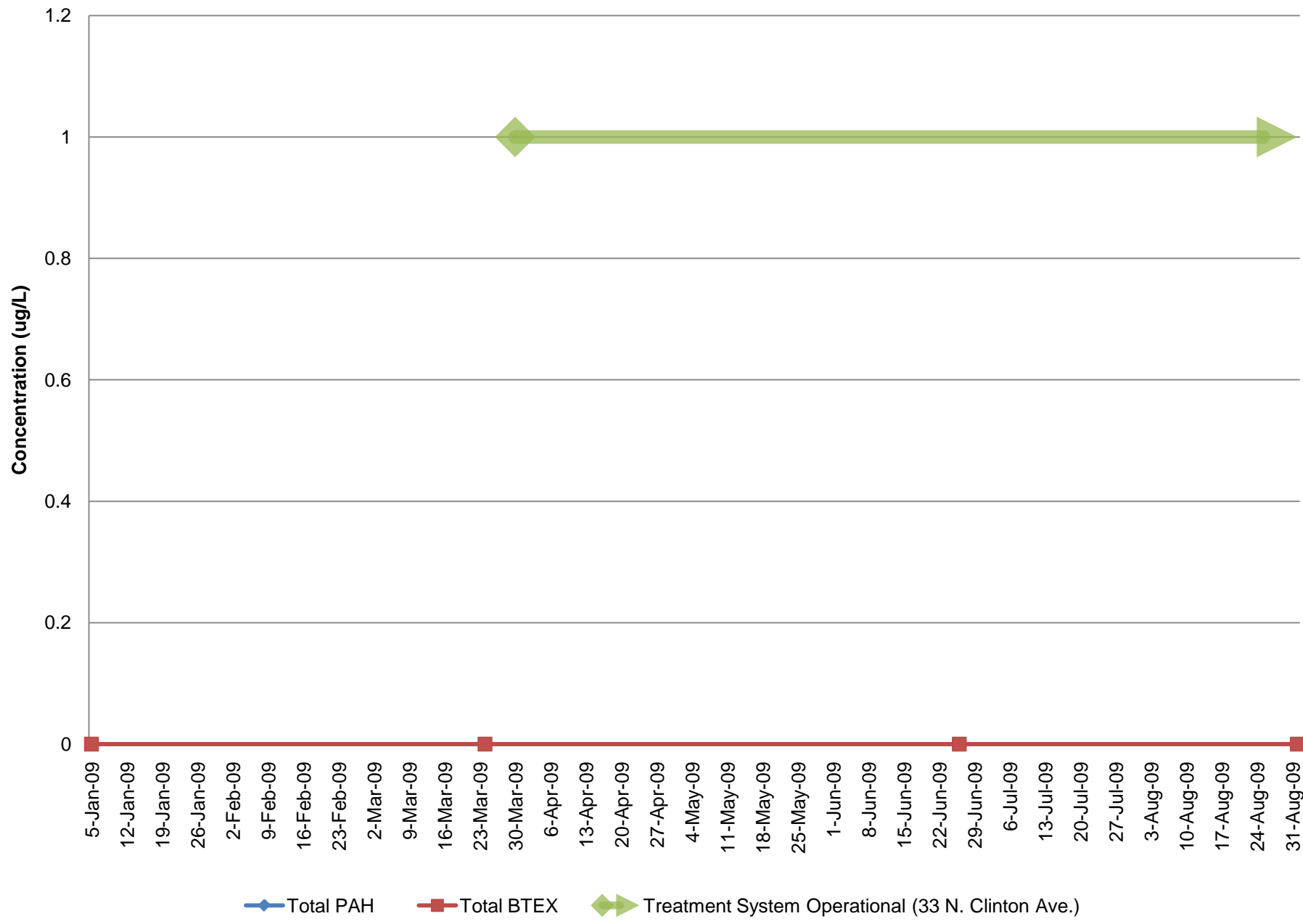
Monitoring Well OU2MW-22I 25-30 ft bgs



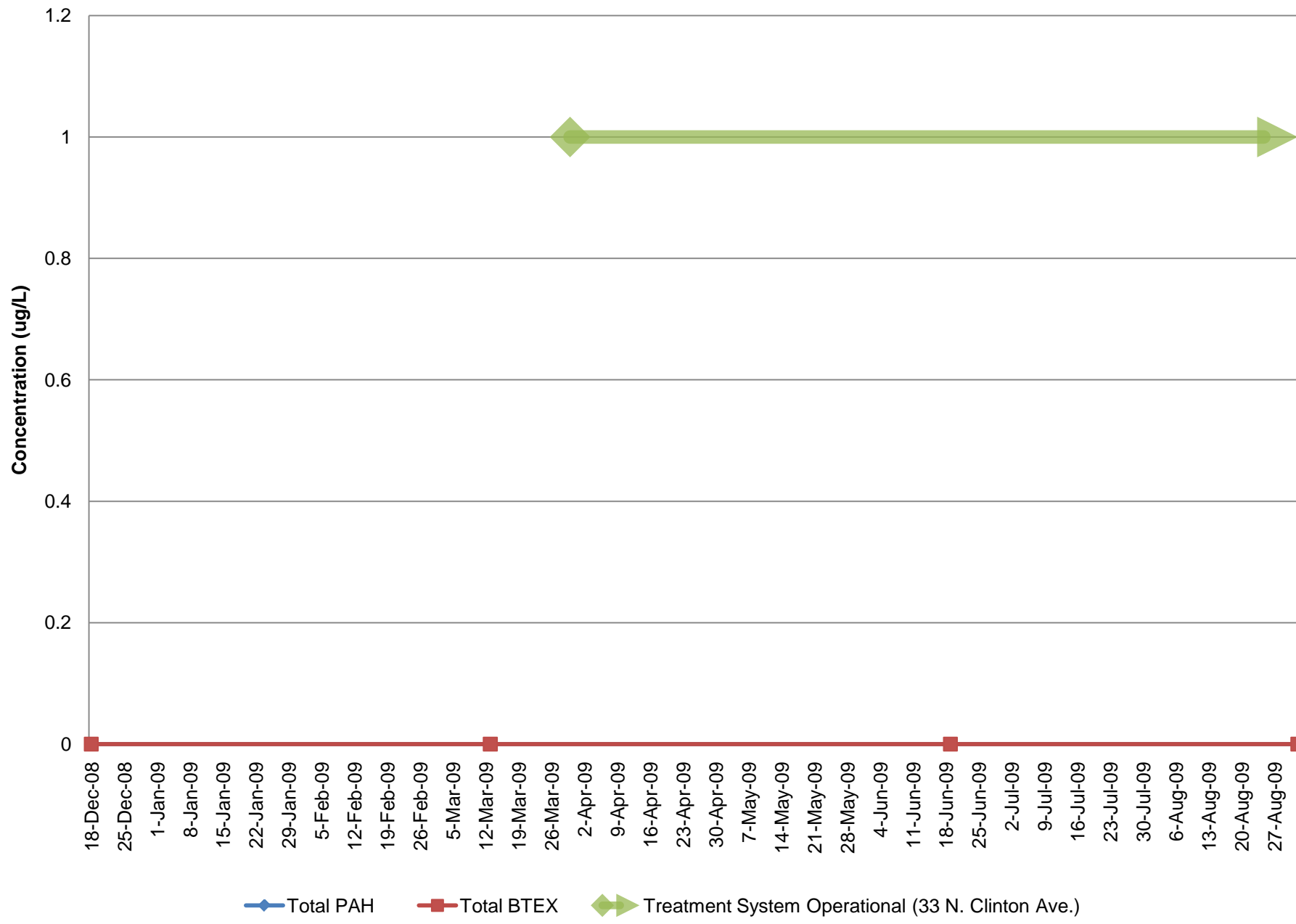
Monitoring Well OU2MW-22I2 46-51 ft bgs



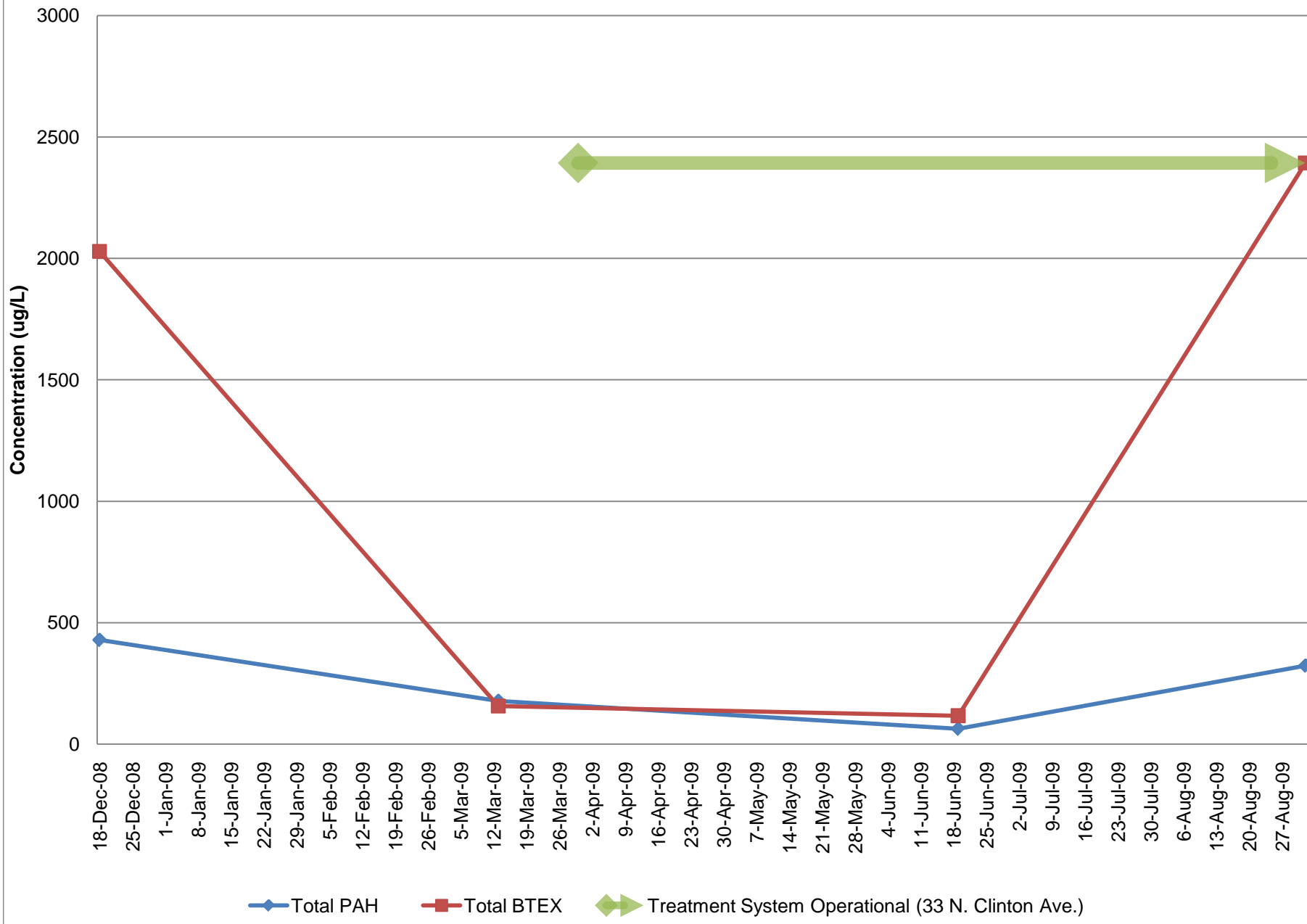
Monitoring Well OU2MW-22D 67-72 ft bgs



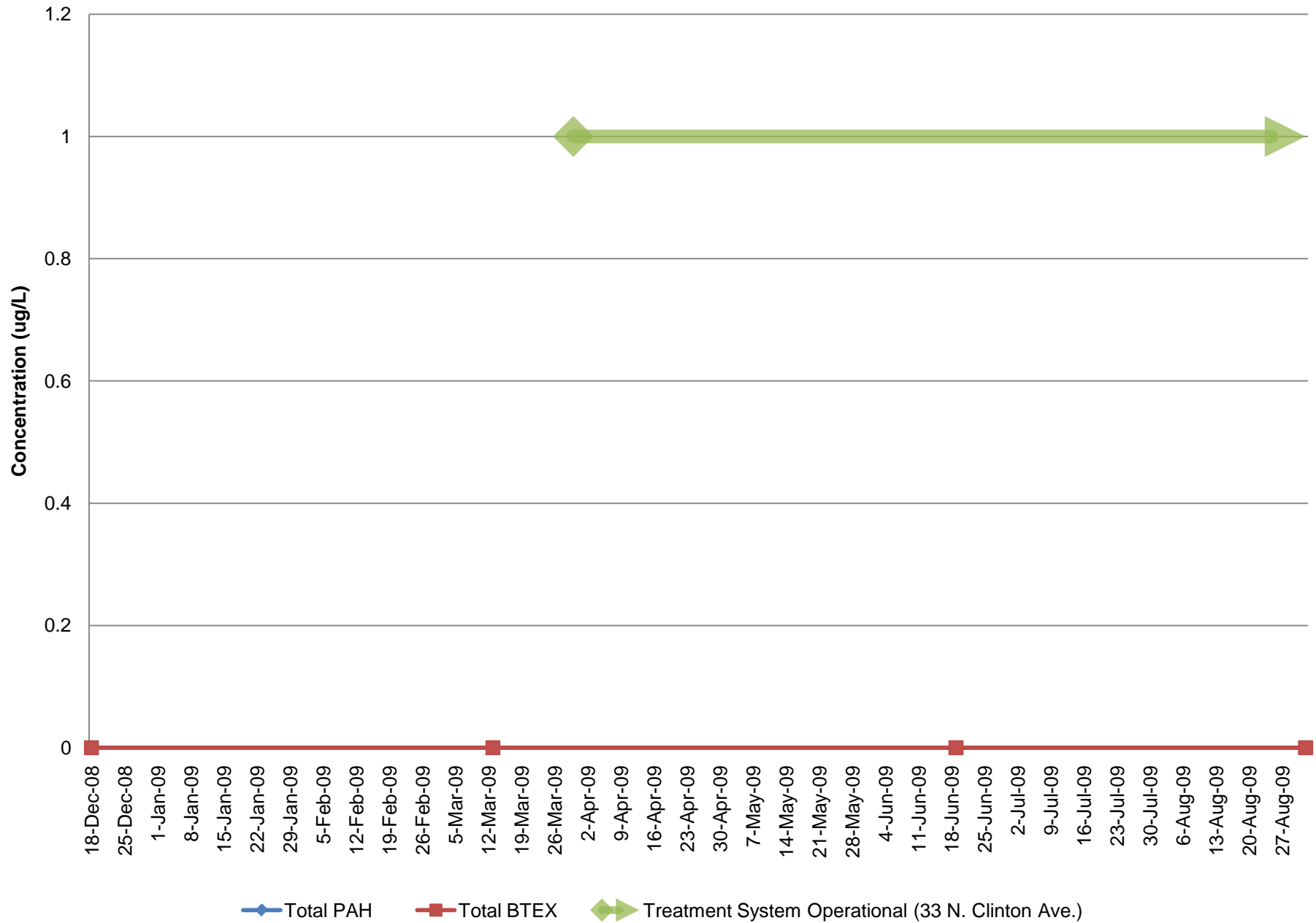
Monitoring Well OU2MW-23S 5-15 ft bgs



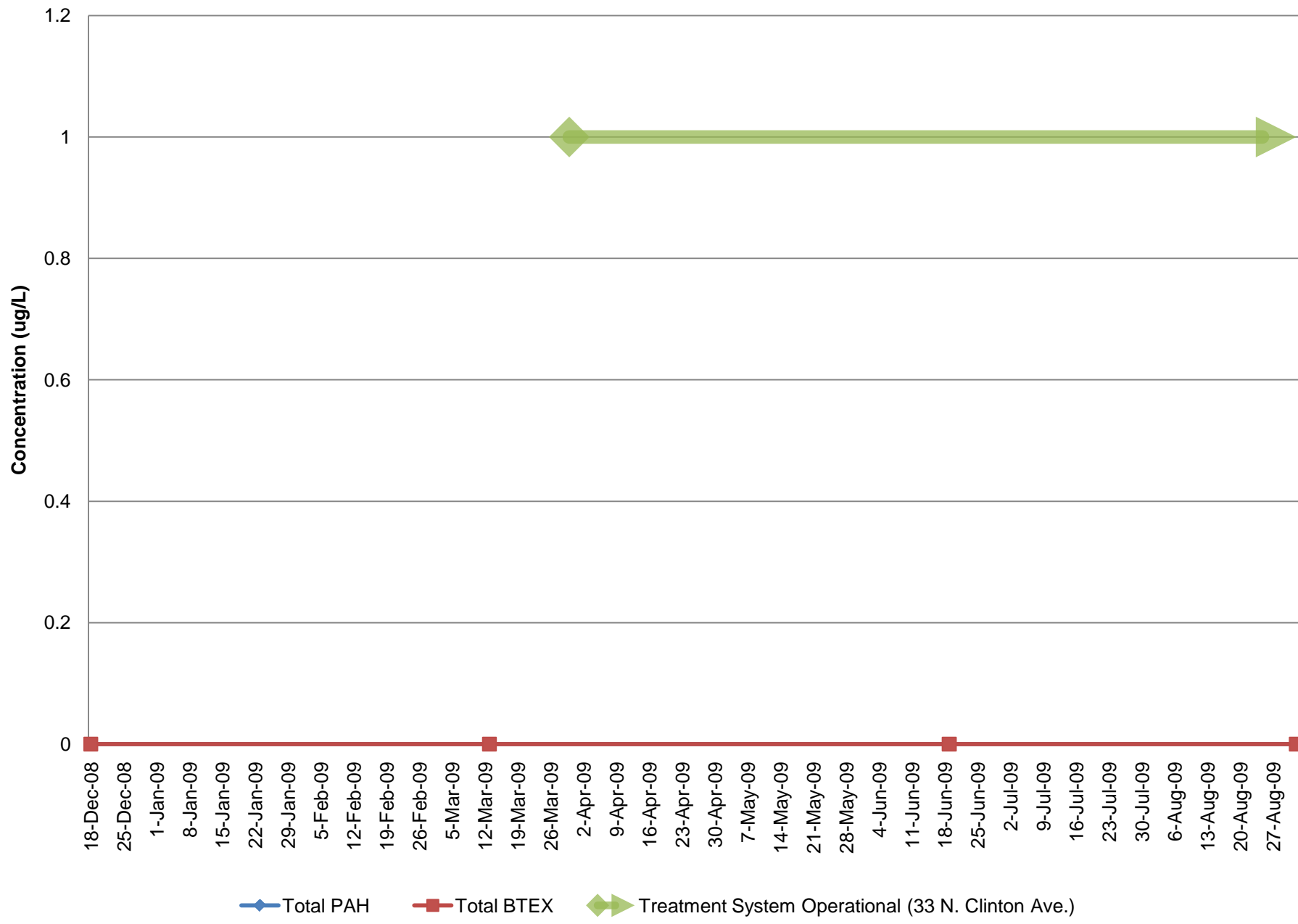
Monitoring Well OU2MW-23I 25-30 ft bgs



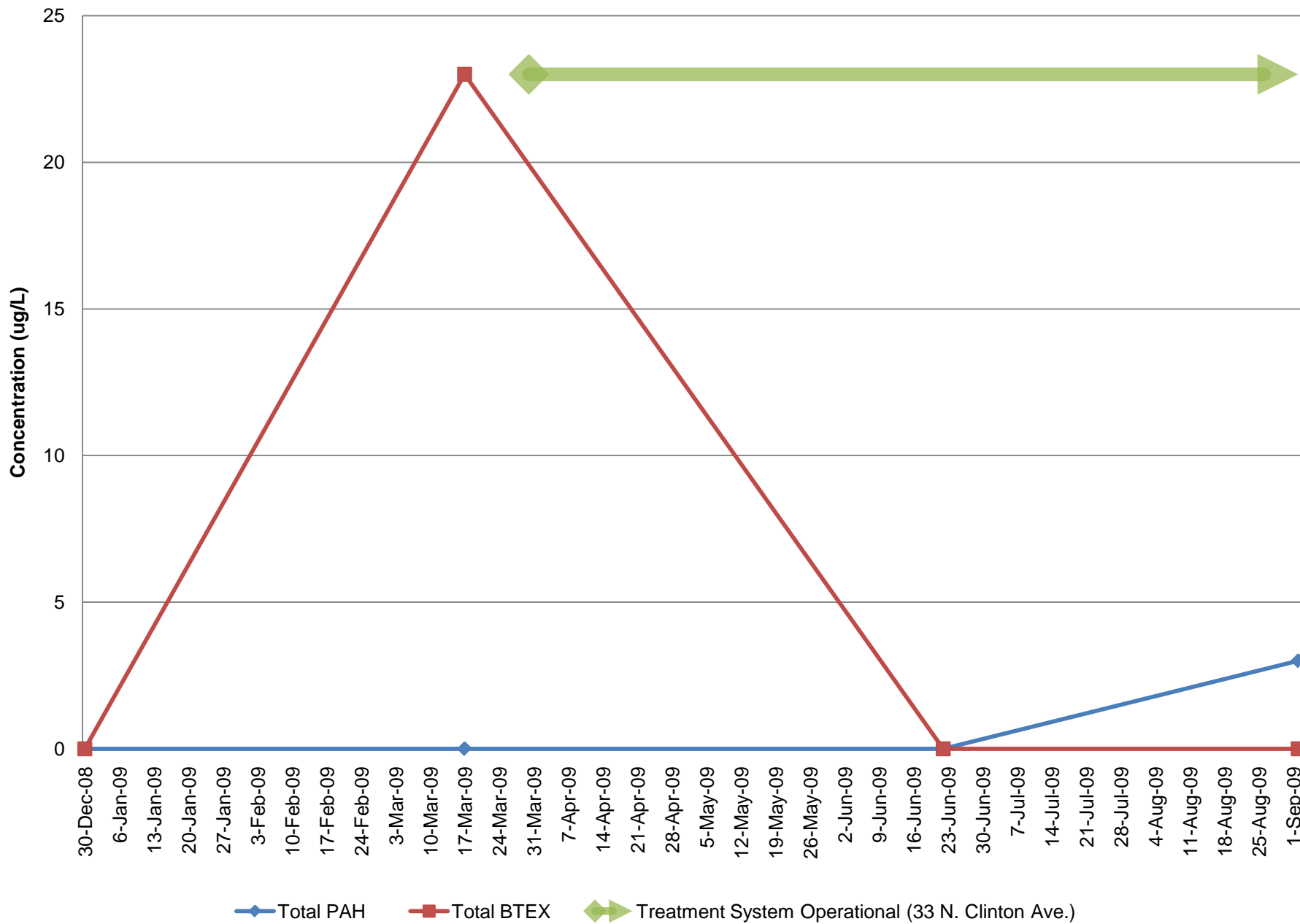
Monitoring Well OU2MW-2312 45-50 ft bgs



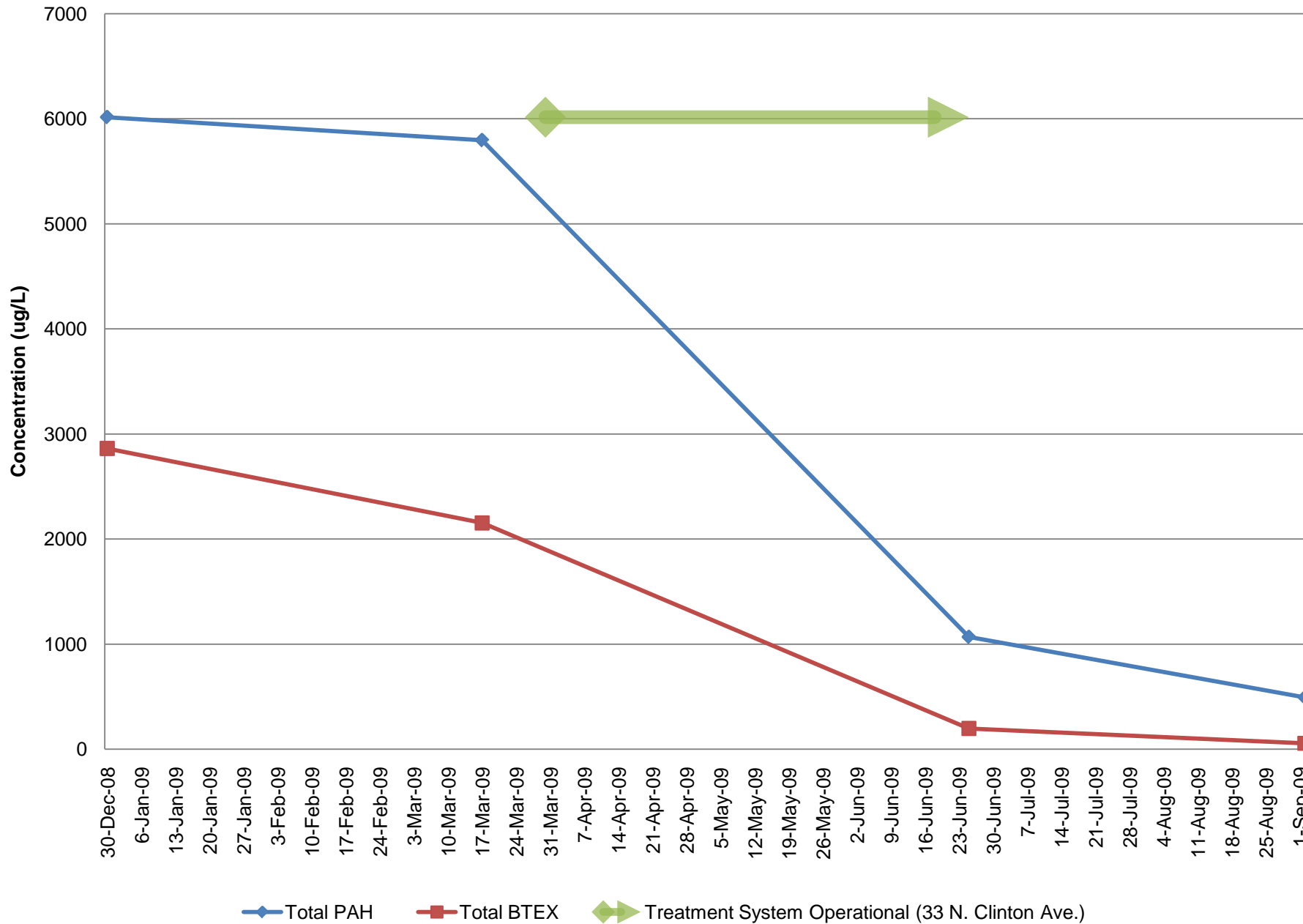
Monitoring Well OU2MW-23D 65-70 ft bgs



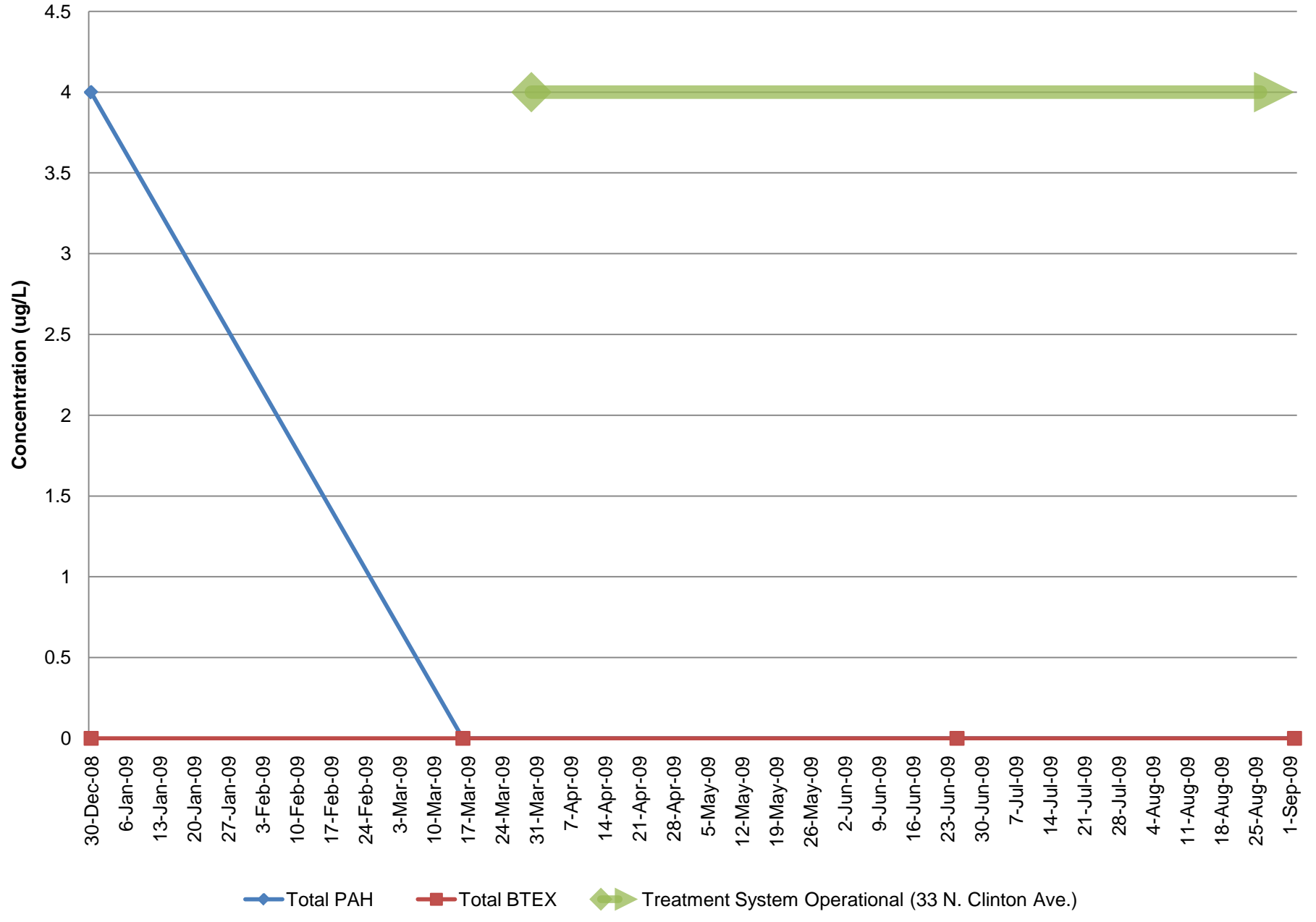
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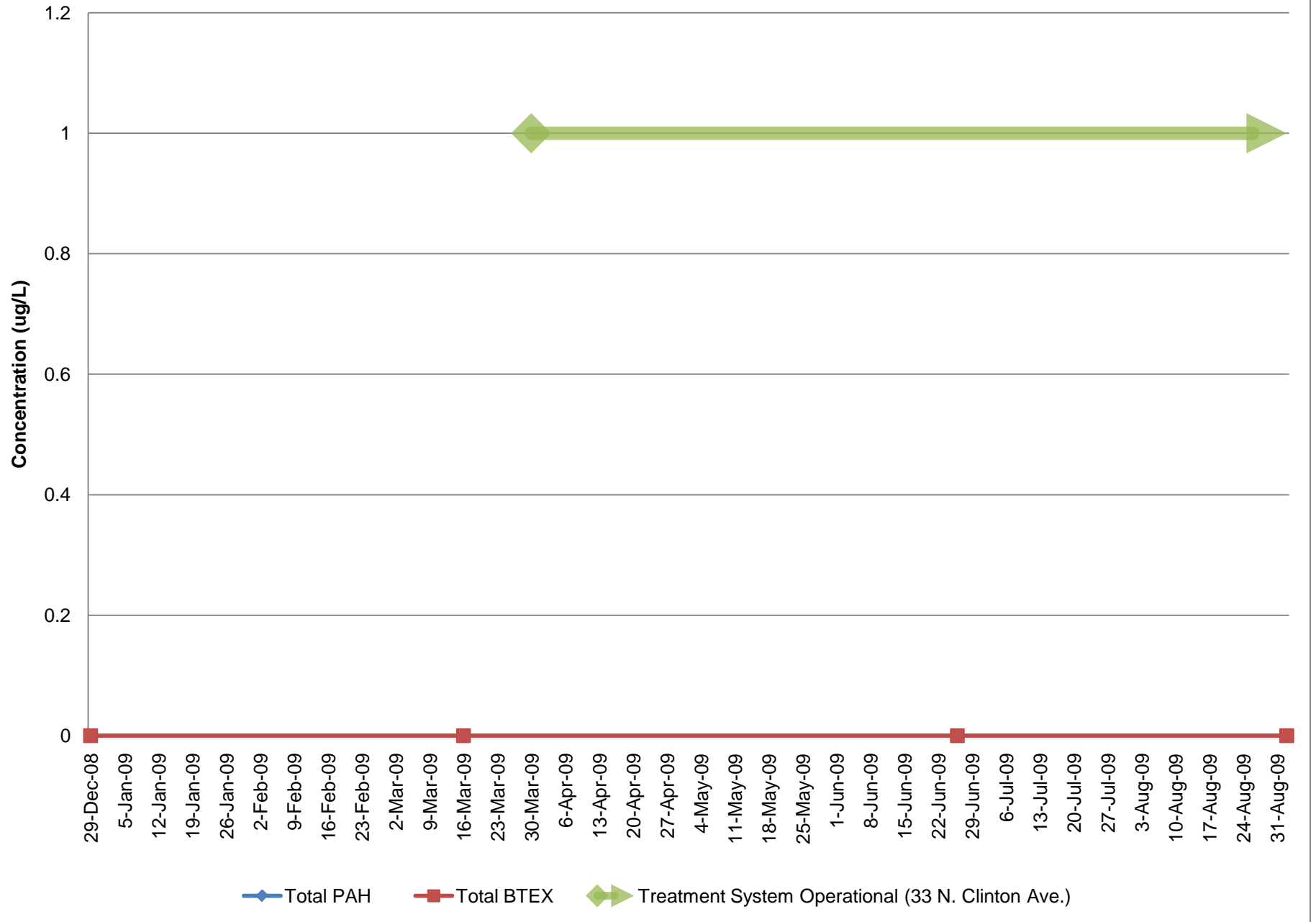
Monitoring Well OU2MW-24I 25-30 ft bgs



Monitoring Well OU2MW-24I2 45-50 ft bgs

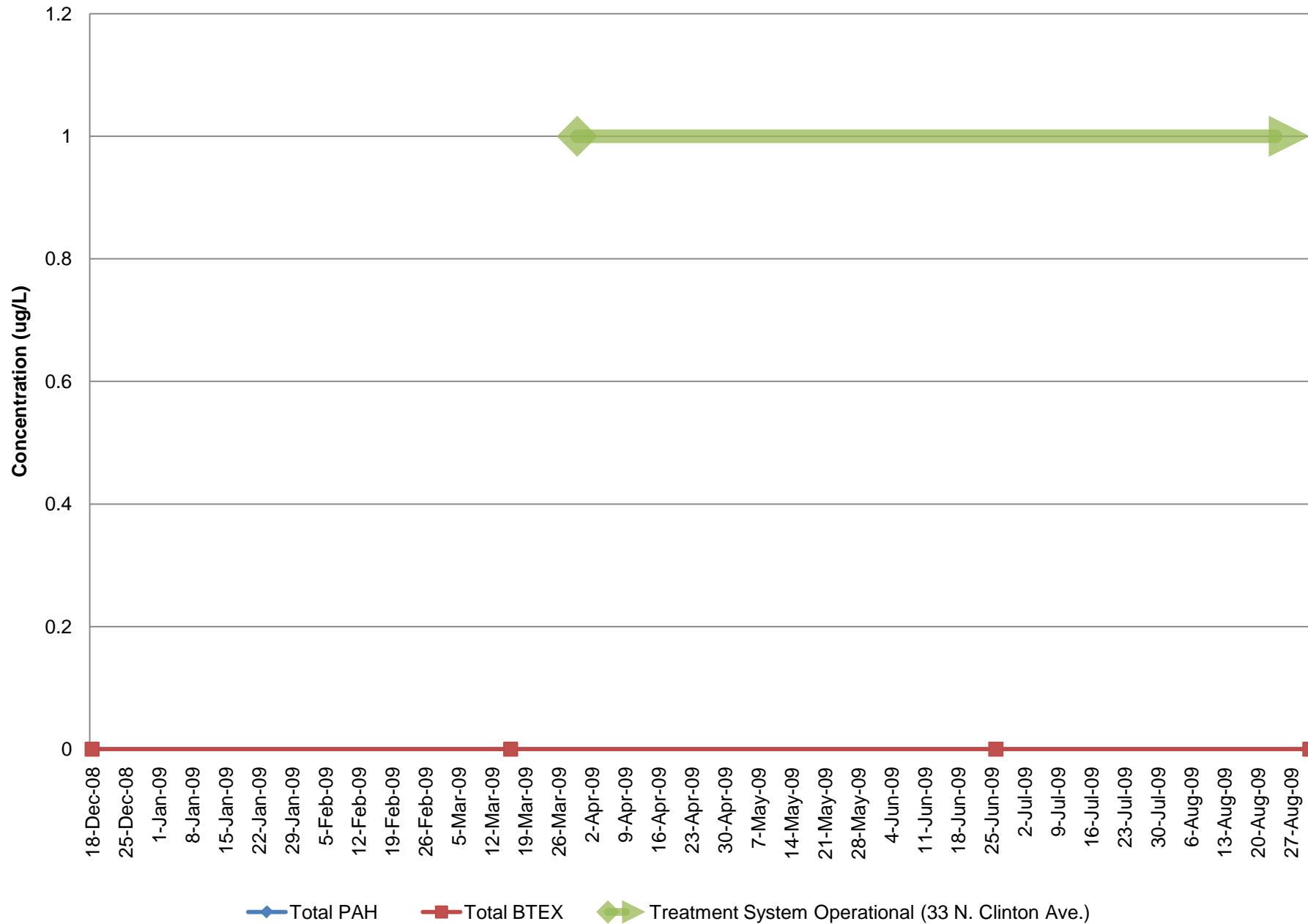


Monitoring Well OU2MW-24D 62-67 ft bgs

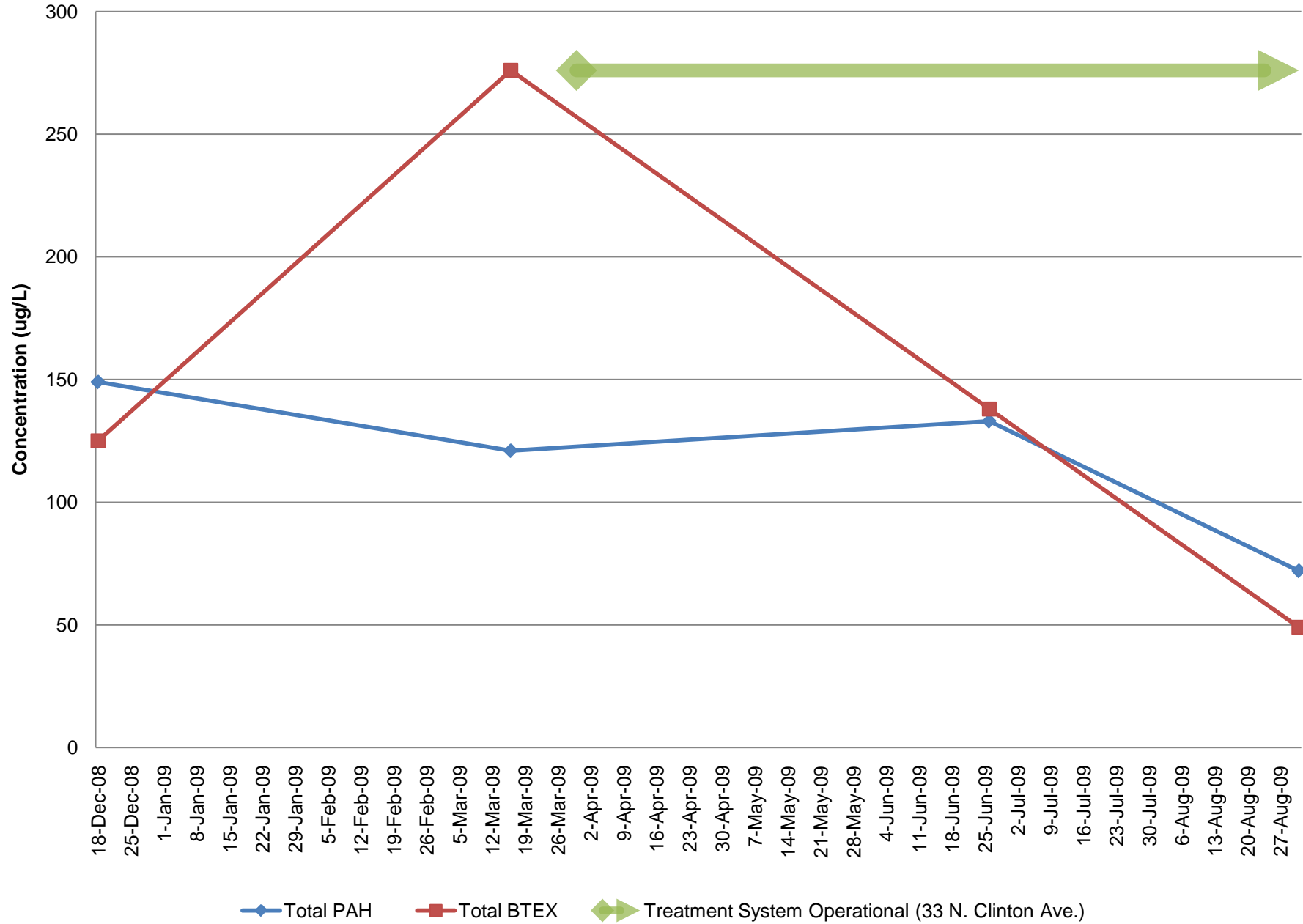


Monitoring Well OU2MW-25S

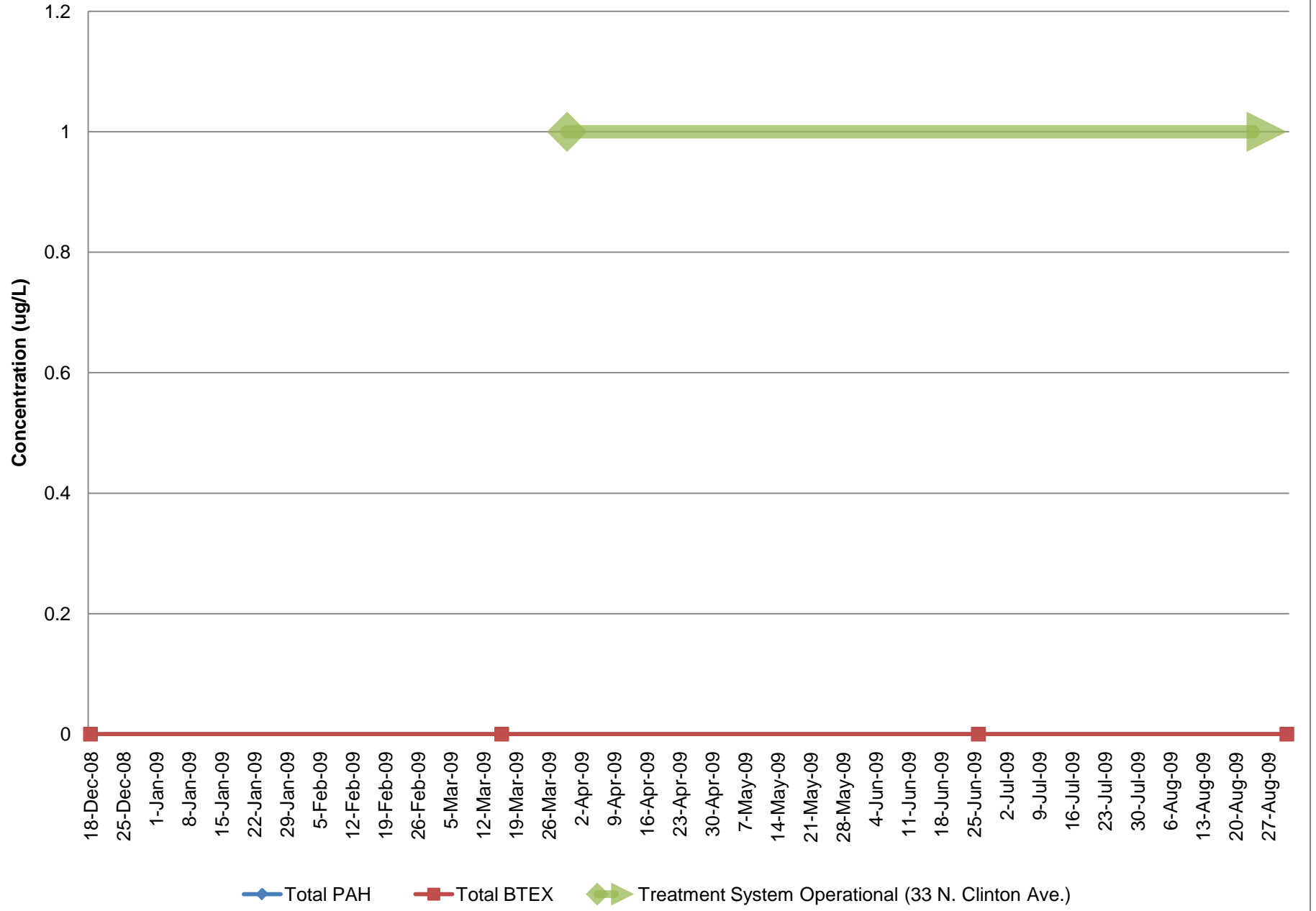
5-15 ft bgs



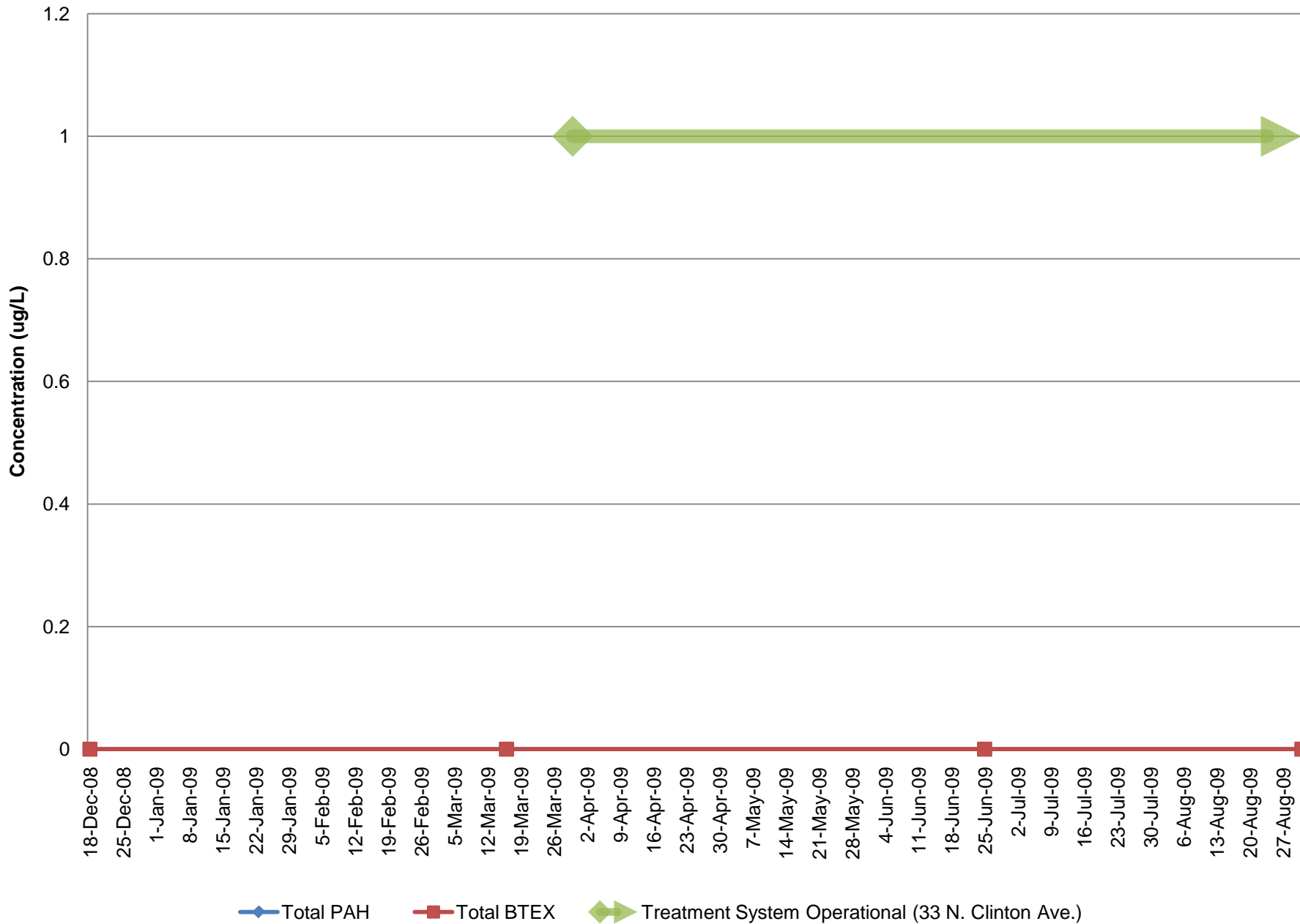
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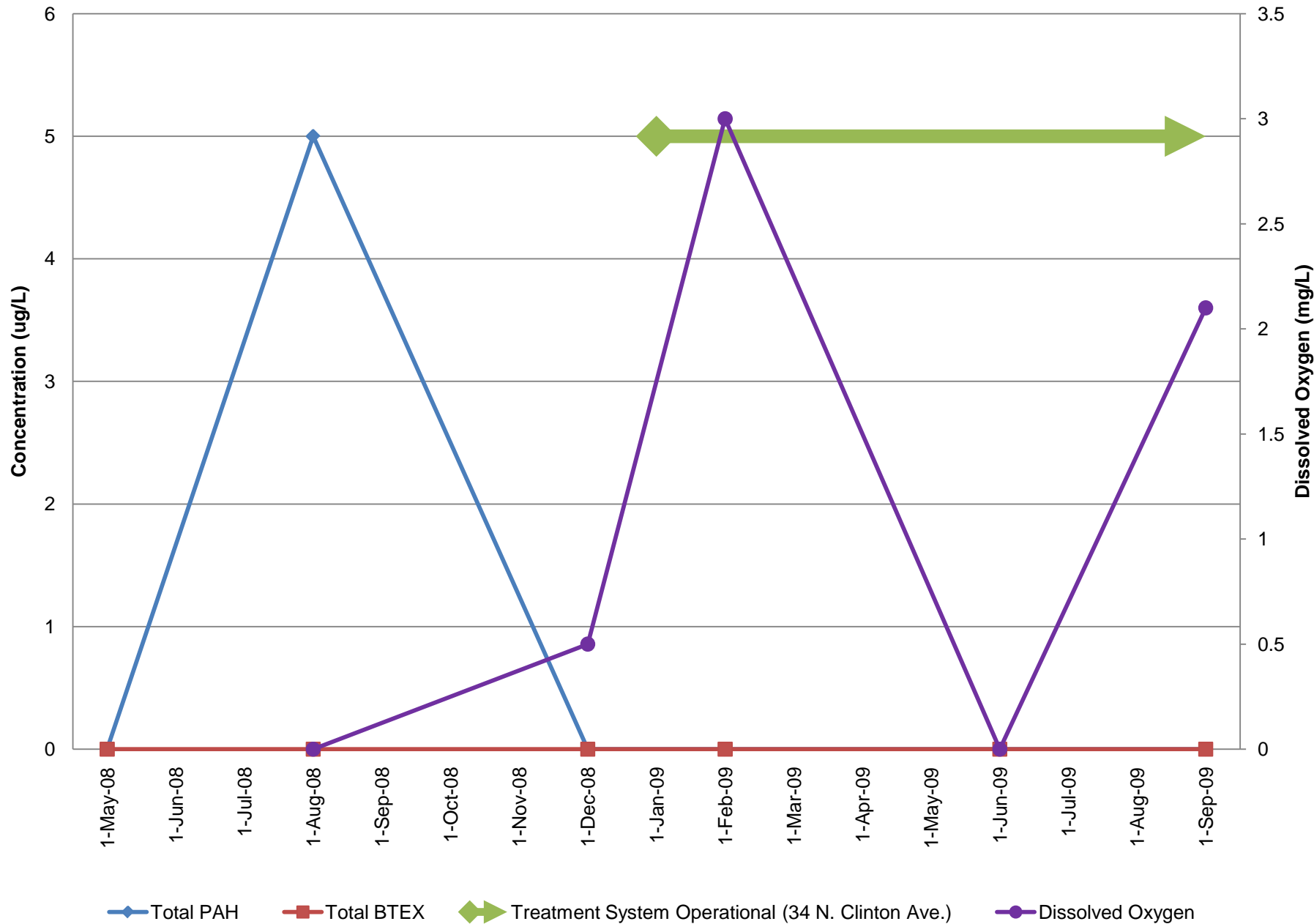
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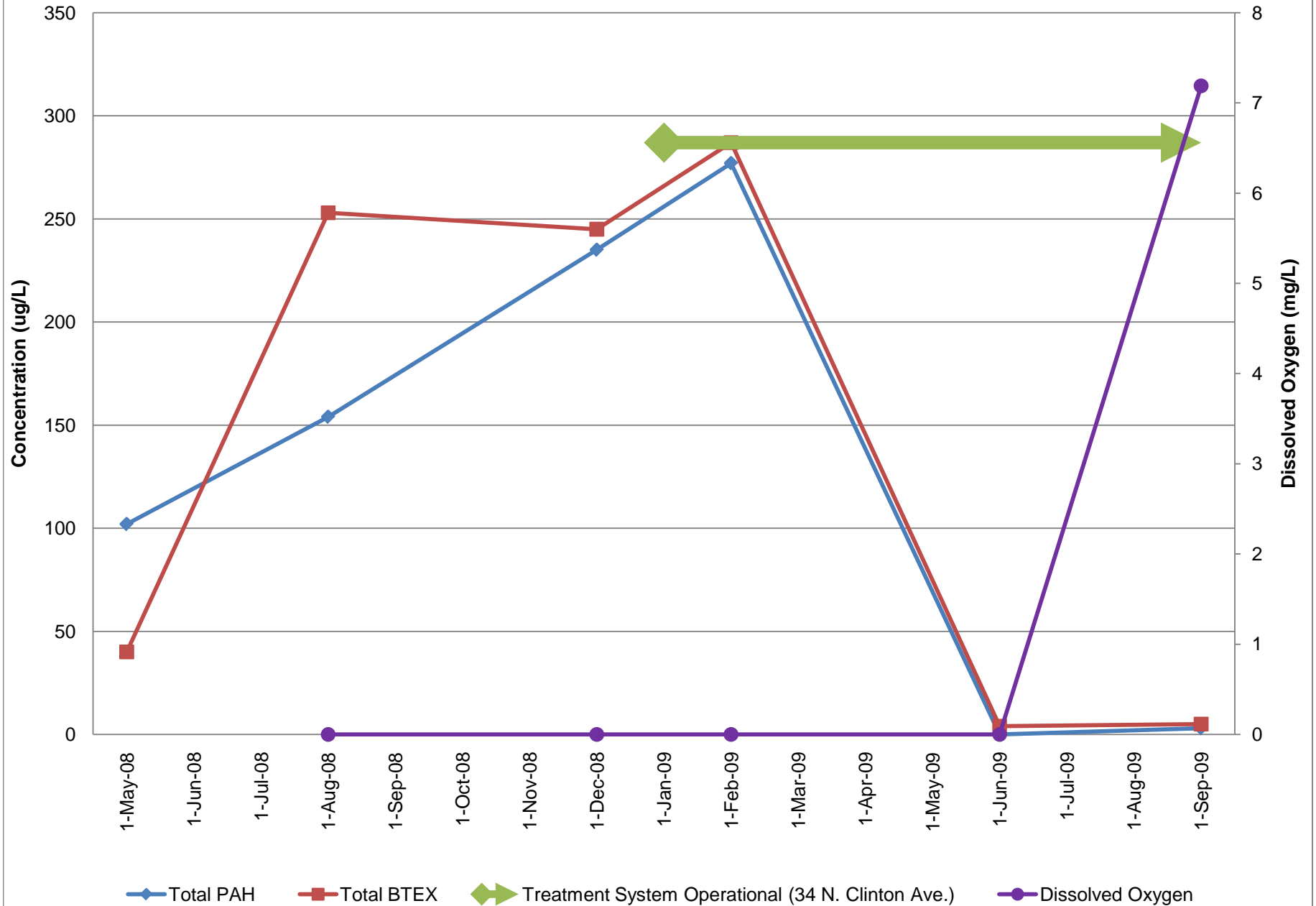
Monitoring Well OU2MW-25D 70-75 ft bgs



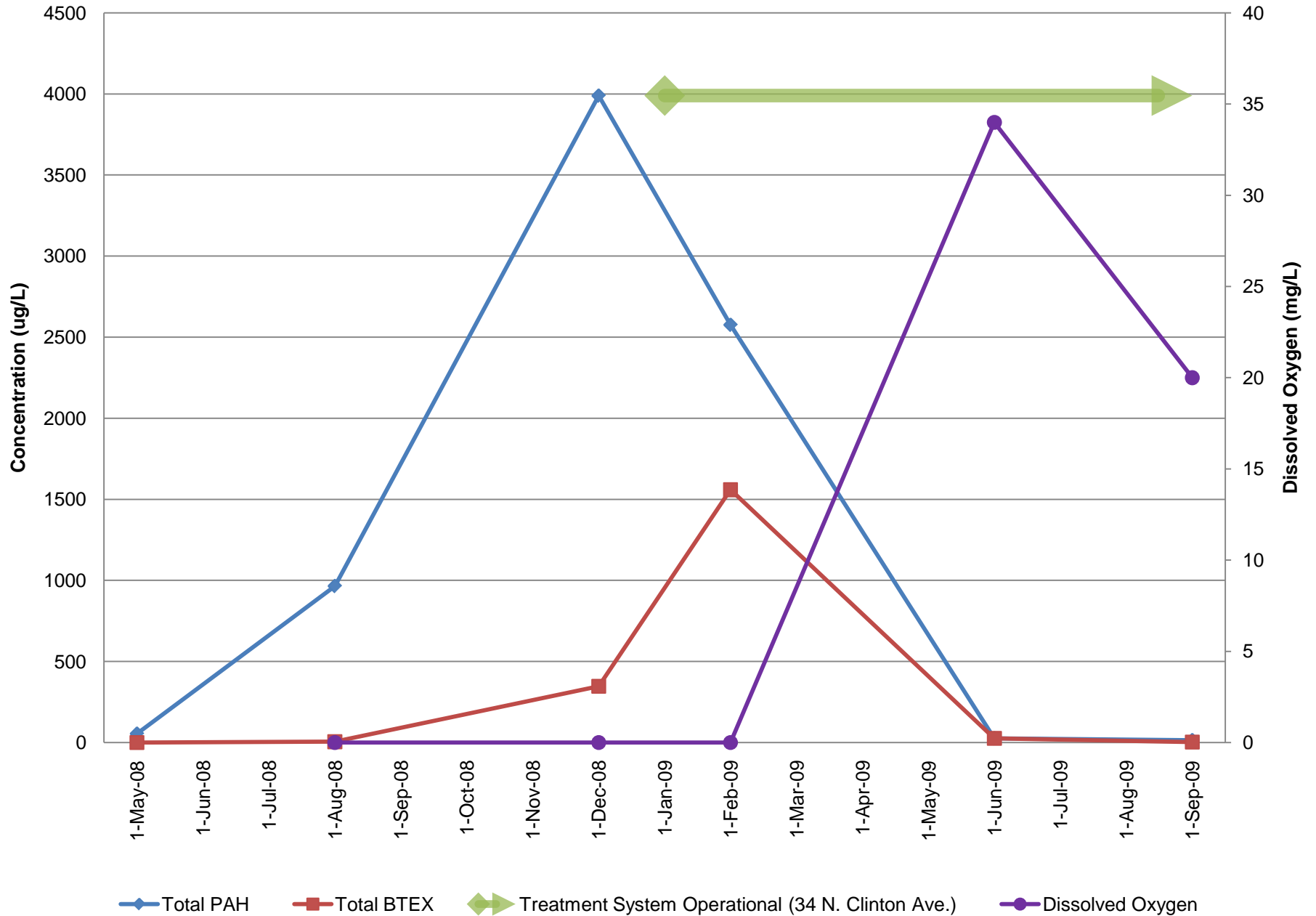
Monitoring Well OU2MW-26S 6-11 ft bgs



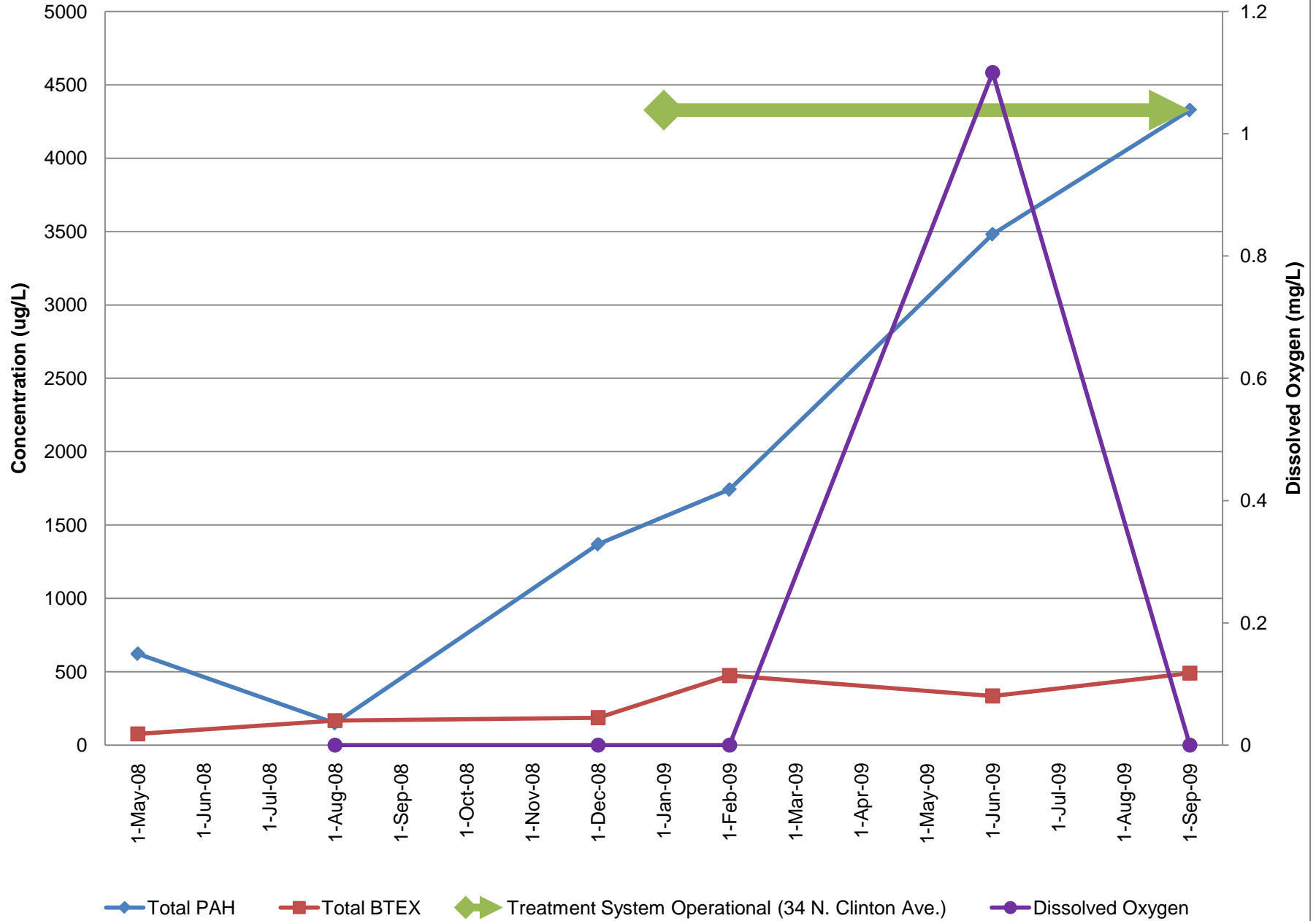
Monitoring Well OU2MW-26I 13-23 ft bgs



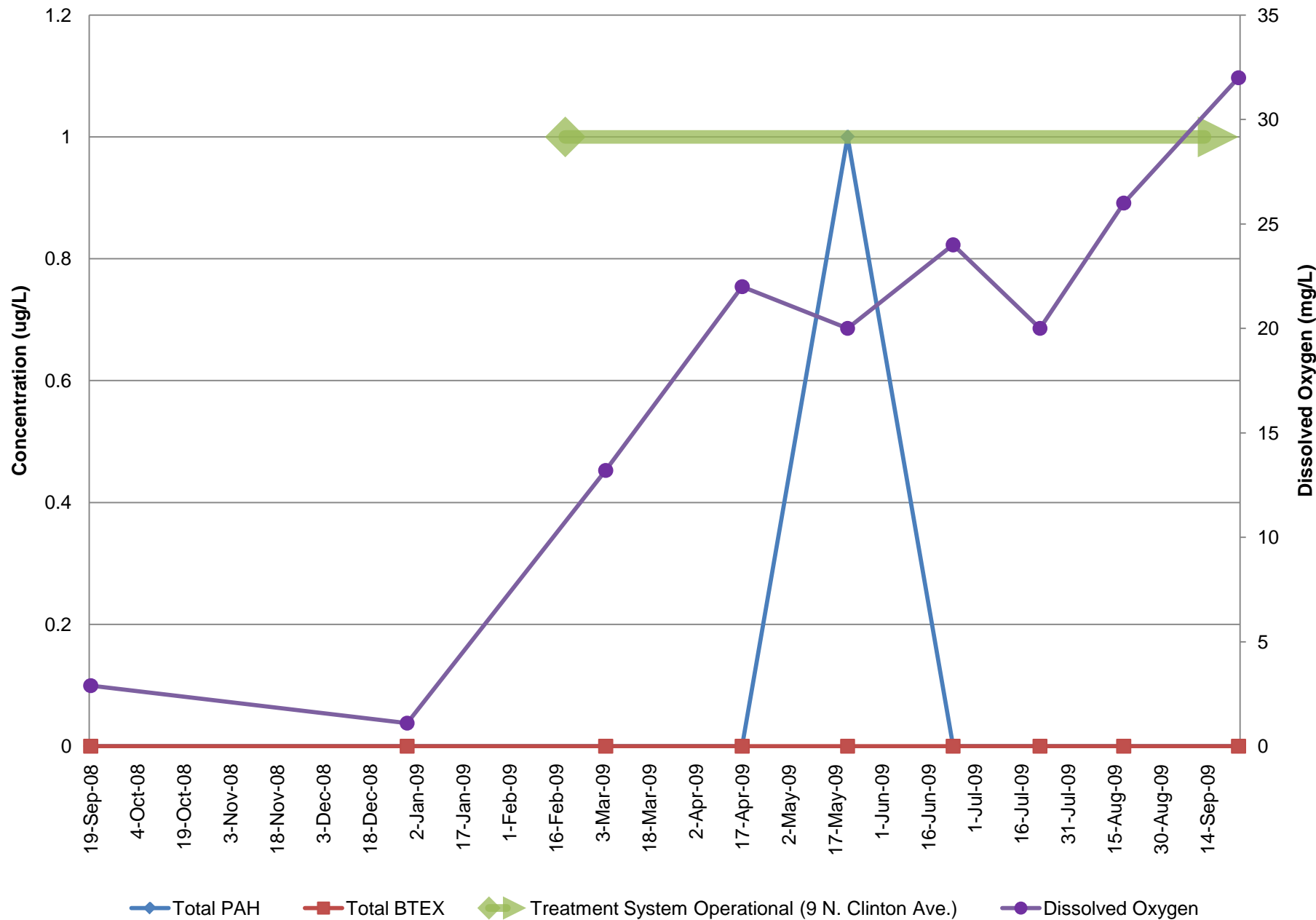
Monitoring Well OU2MW-26I2 35-45 ft bgs



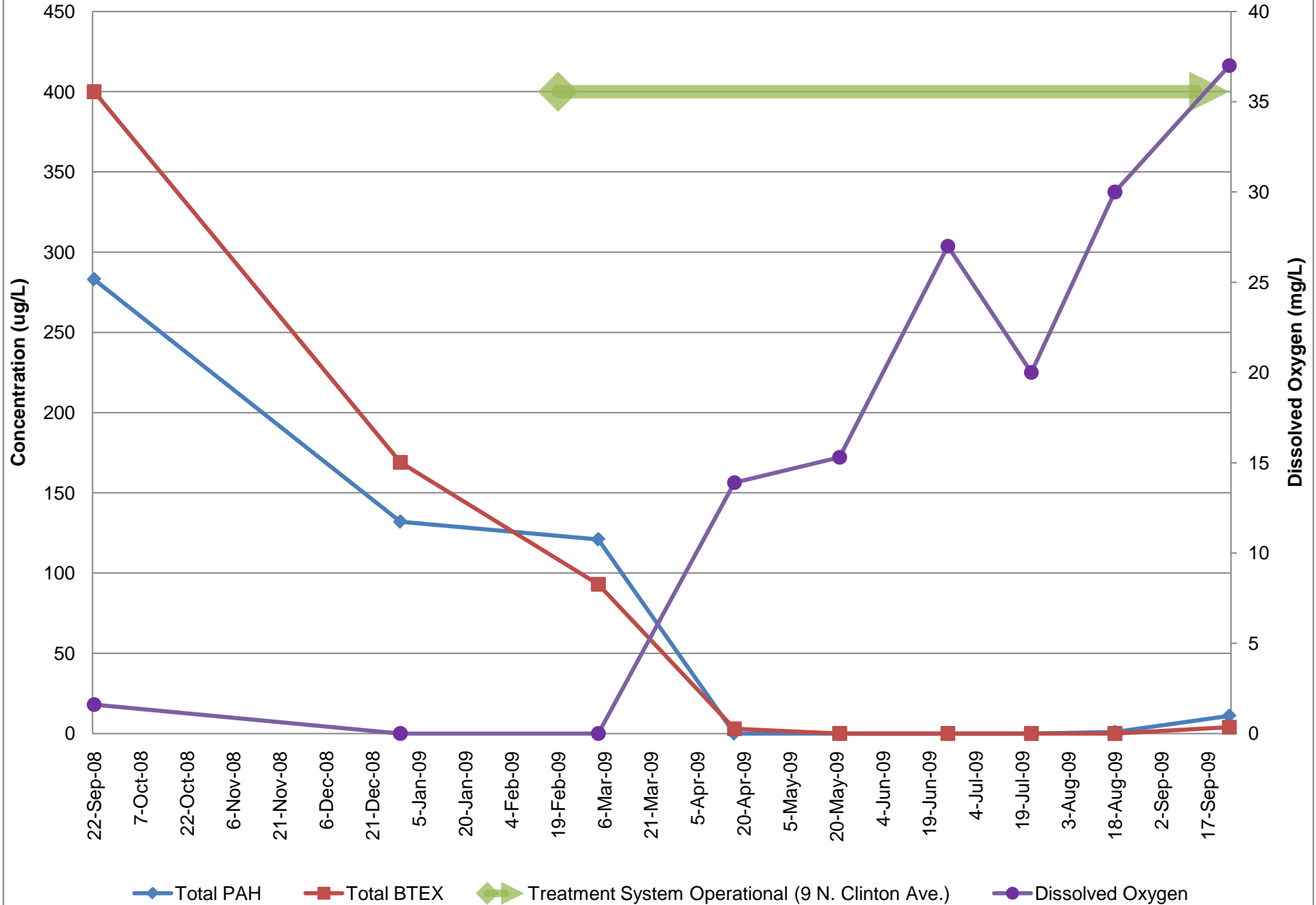
Monitoring Well OU2MW-26D 60-70 ft bgs



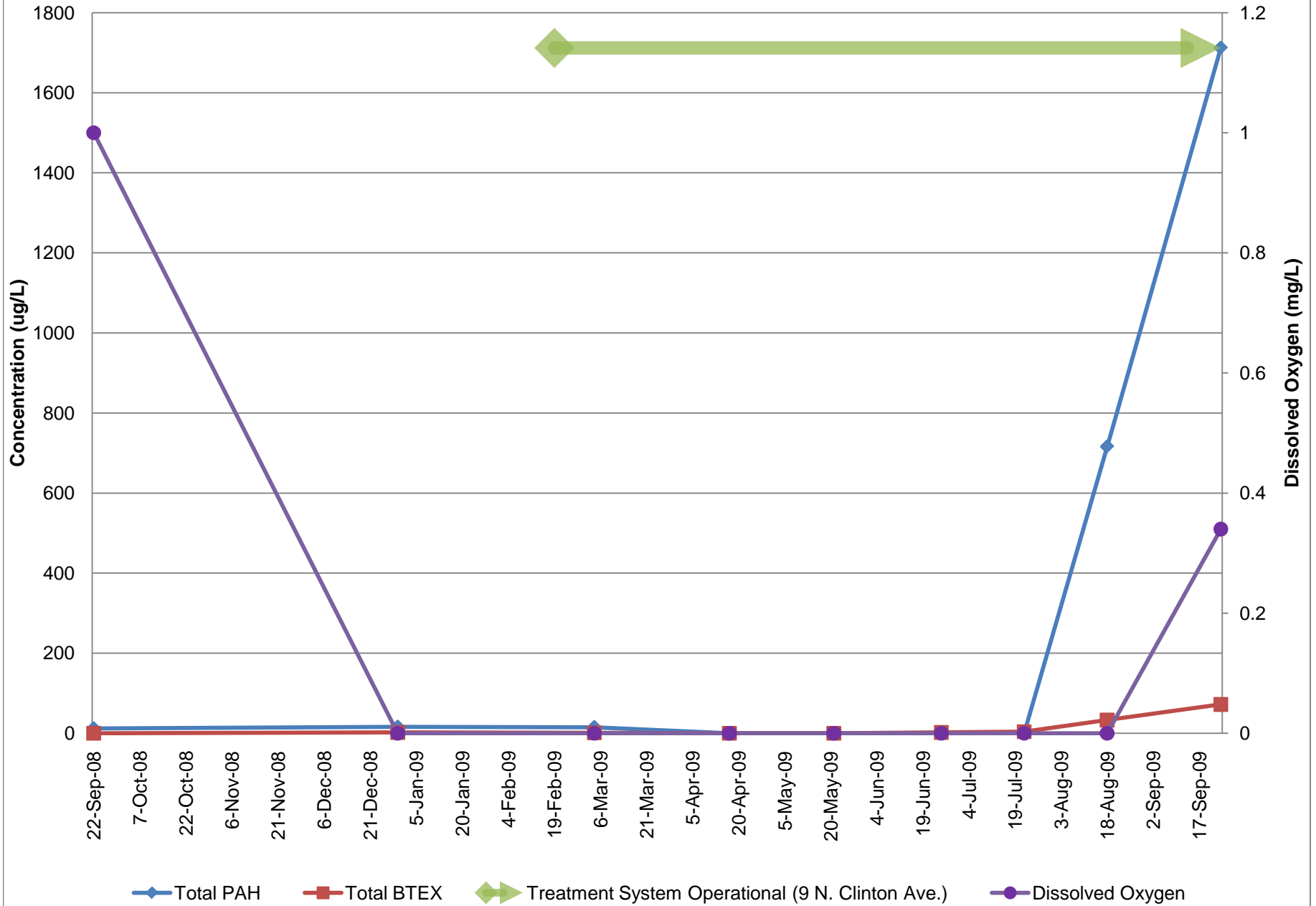
Monitoring Well OU2MW-28S 5-15 ft bgs



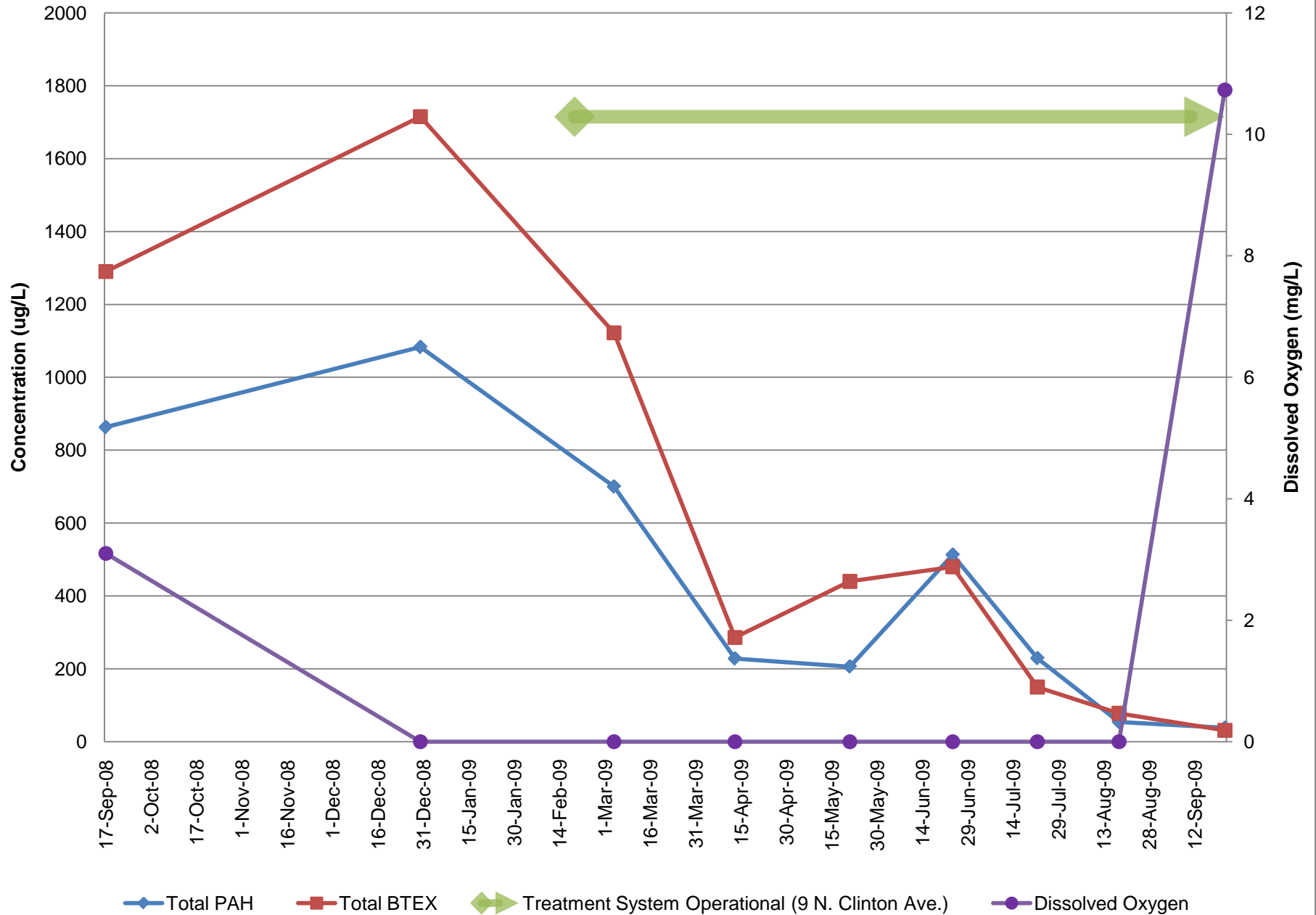
Monitoring Well OU2MW-28I 28-33 ft bgs



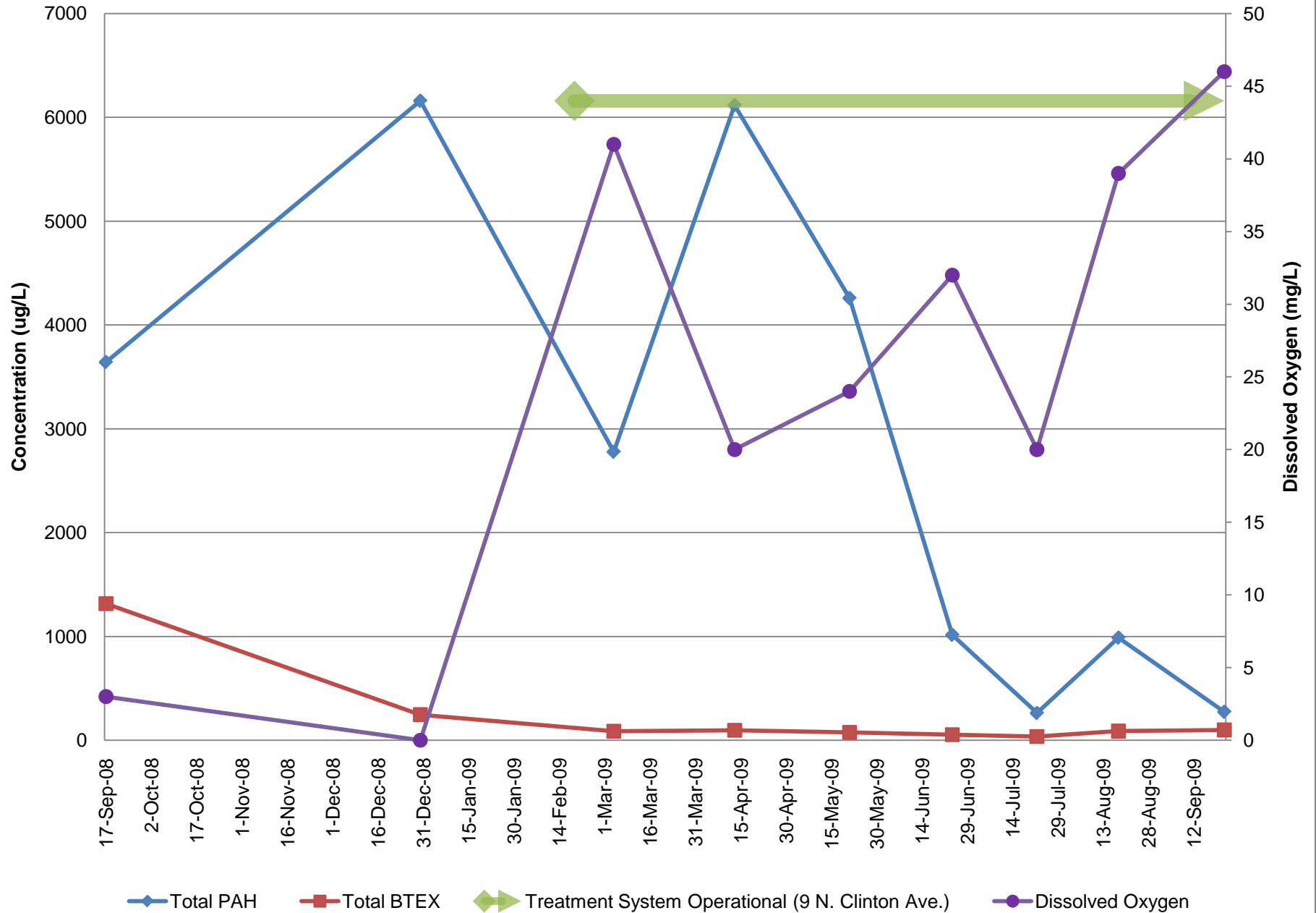
Monitoring Well OU2MW-2812 40-45 ft bgs



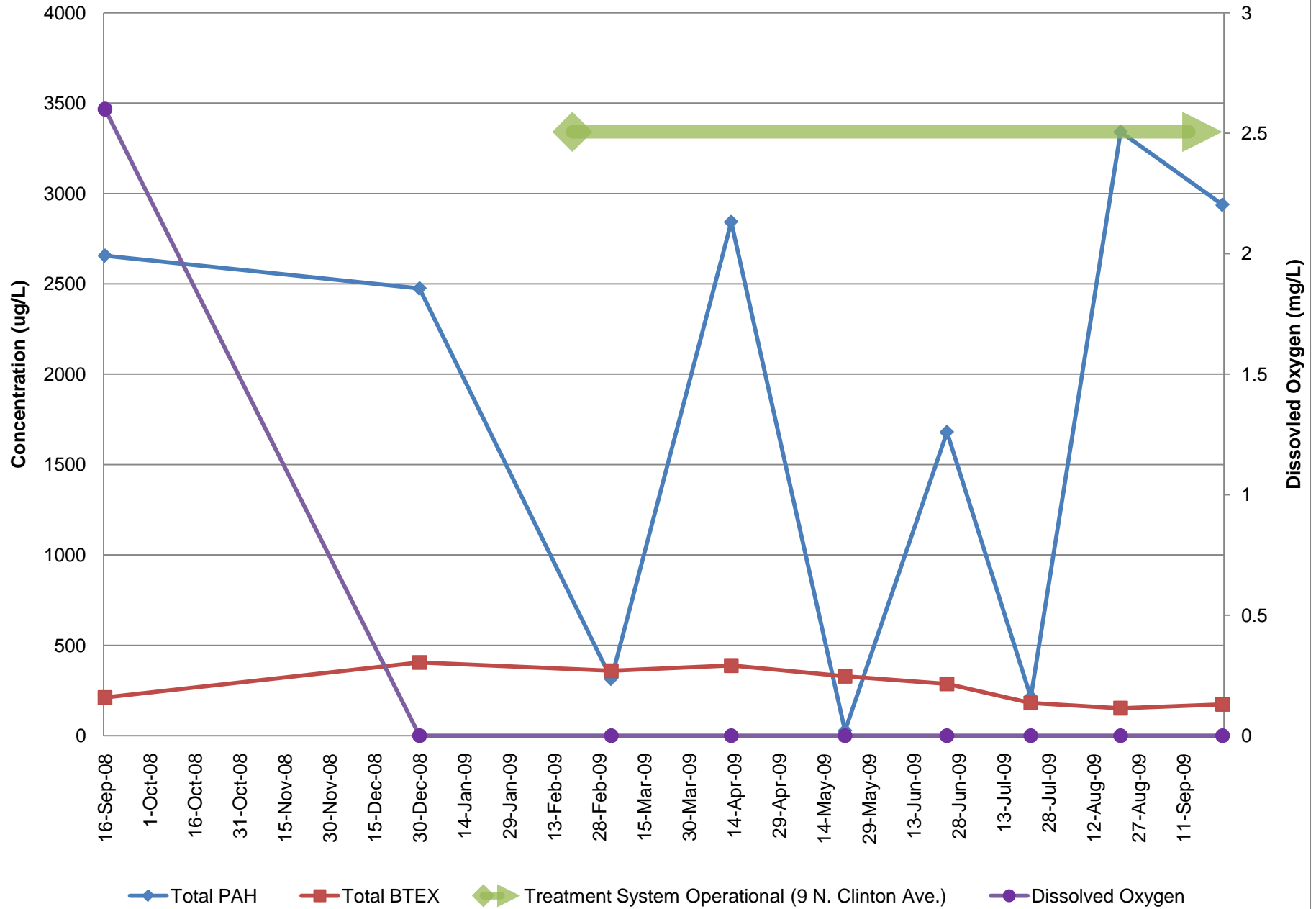
Monitoring Well OU2MW-29I 18-23 ft bgs



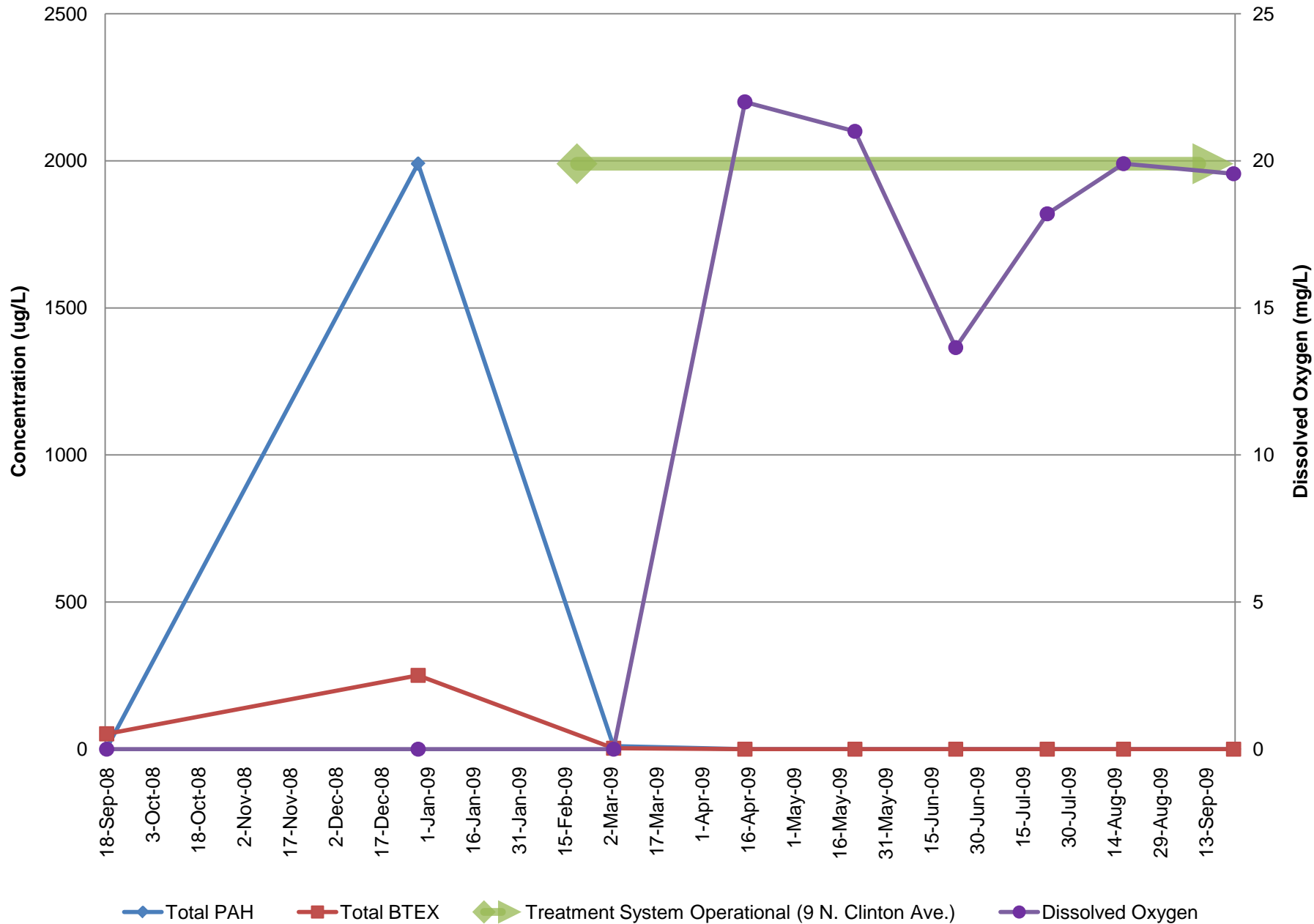
Monitoring Well OU2MW-2912 30-35 ft bgs



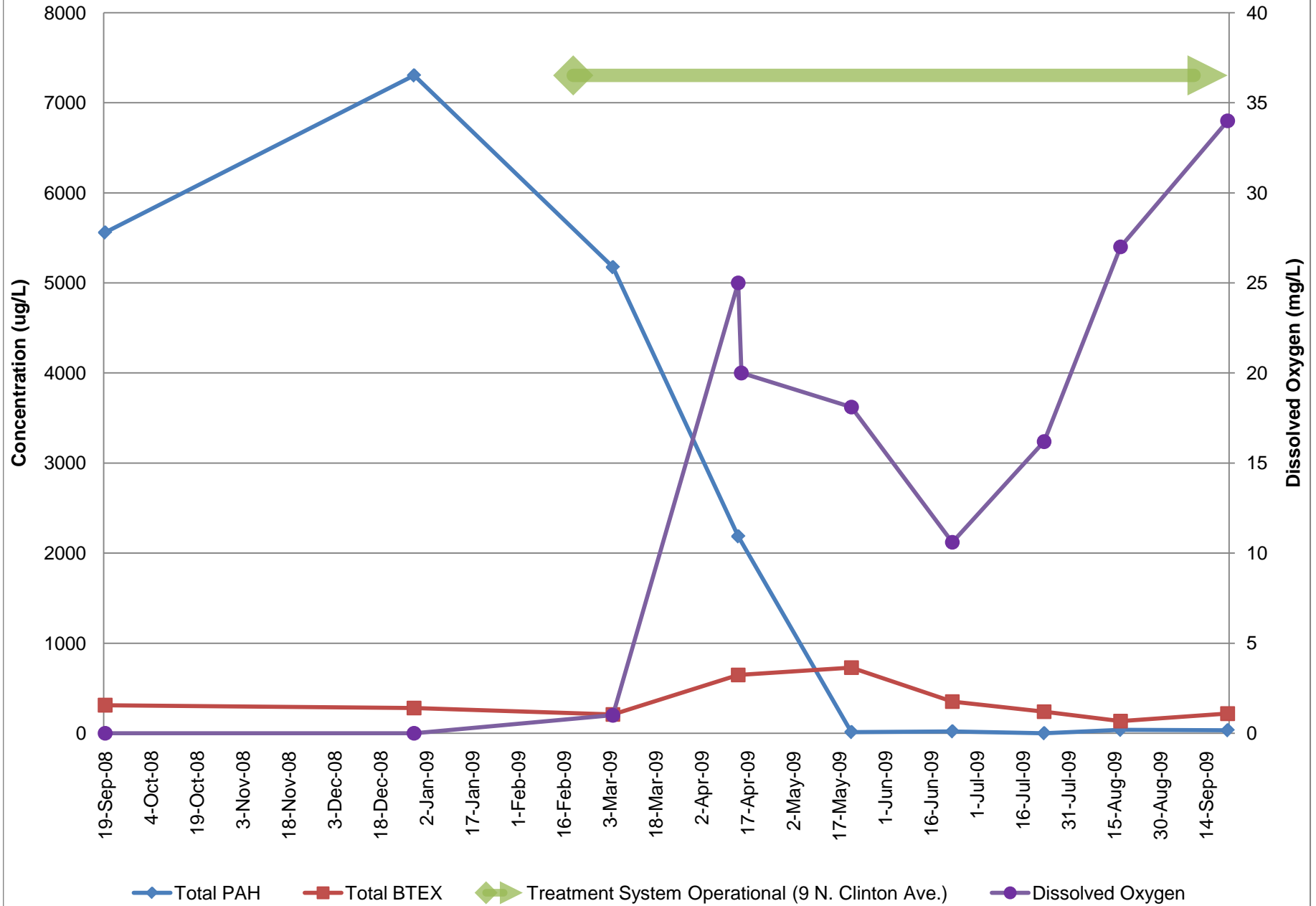
Monitoring Well OU2MW-29D 45-50 ft bgs



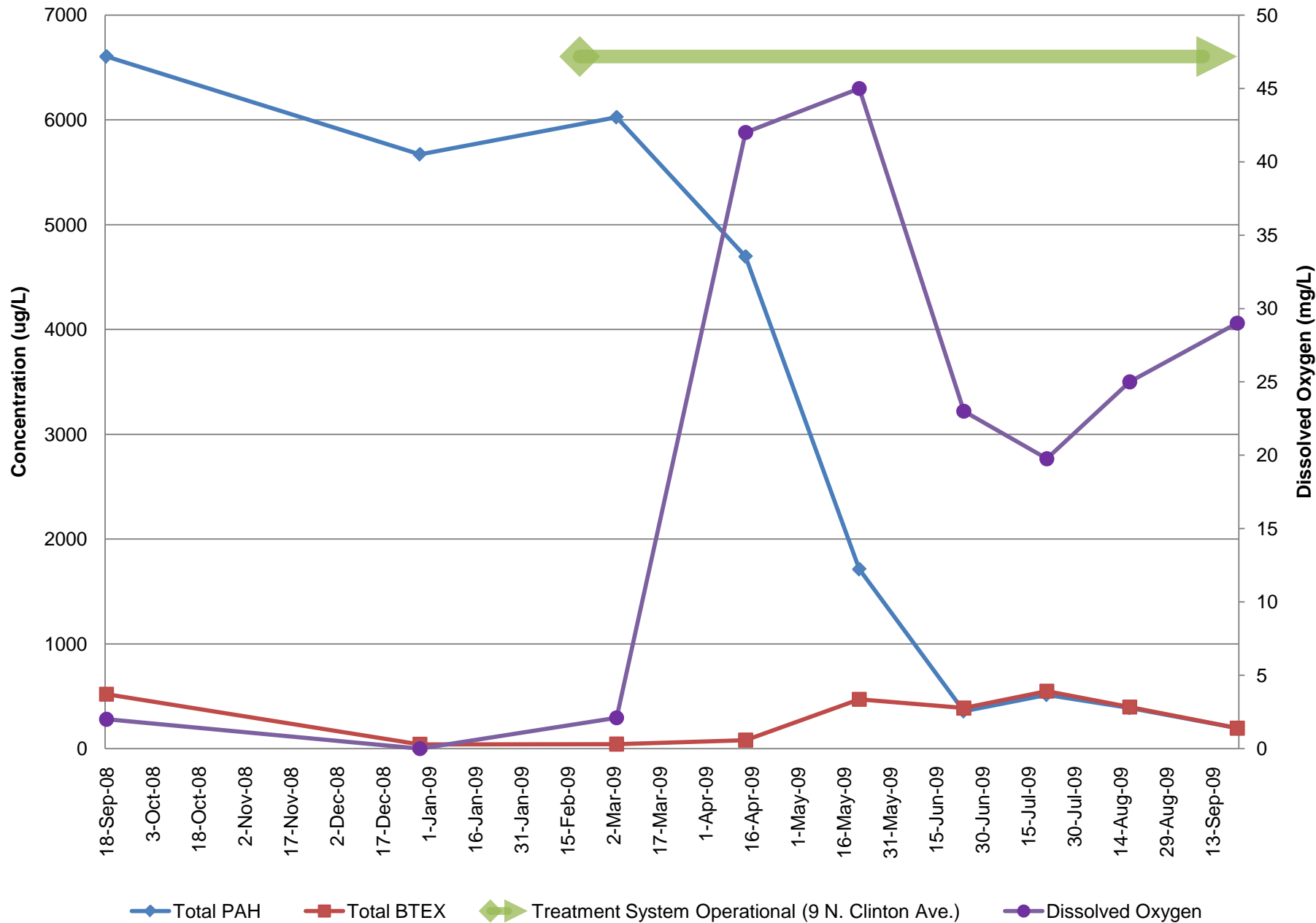
Monitoring Well OU2MW-30S 5-15 ft bgs



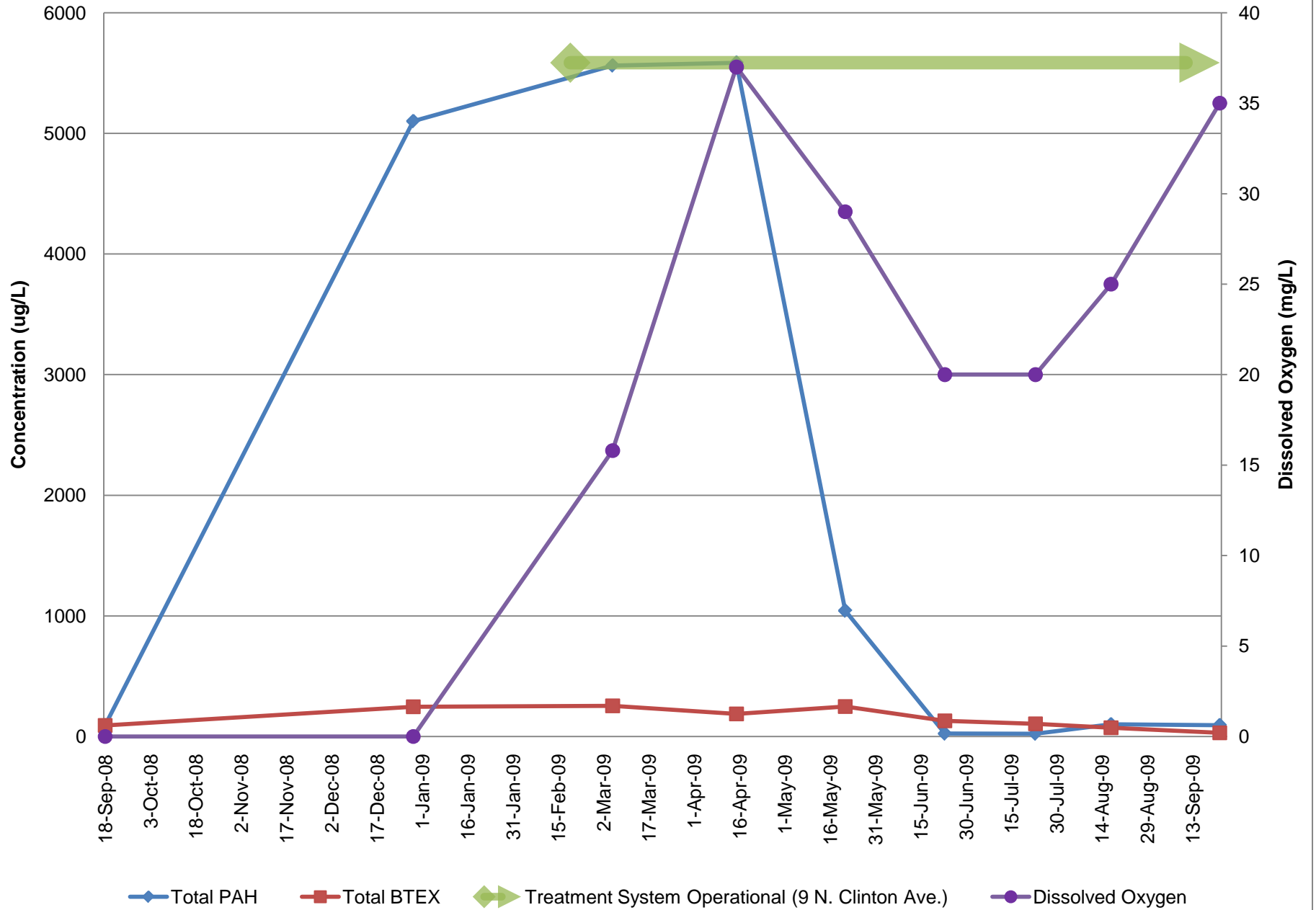
Monitoring Well OU2MW-30I 25-30 ft bgs



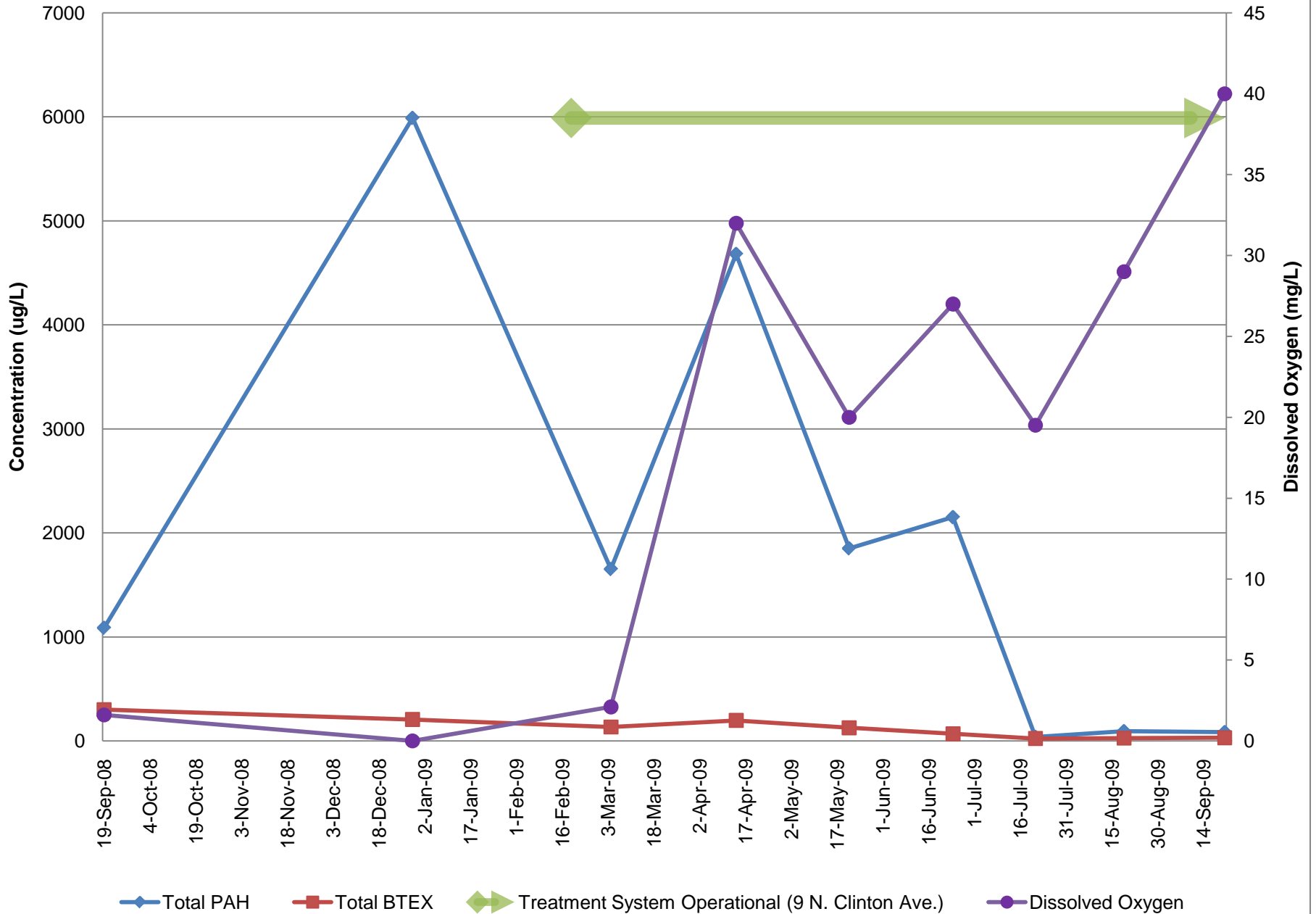
Monitoring Well OU2MW-30I2 30-35 ft bgs



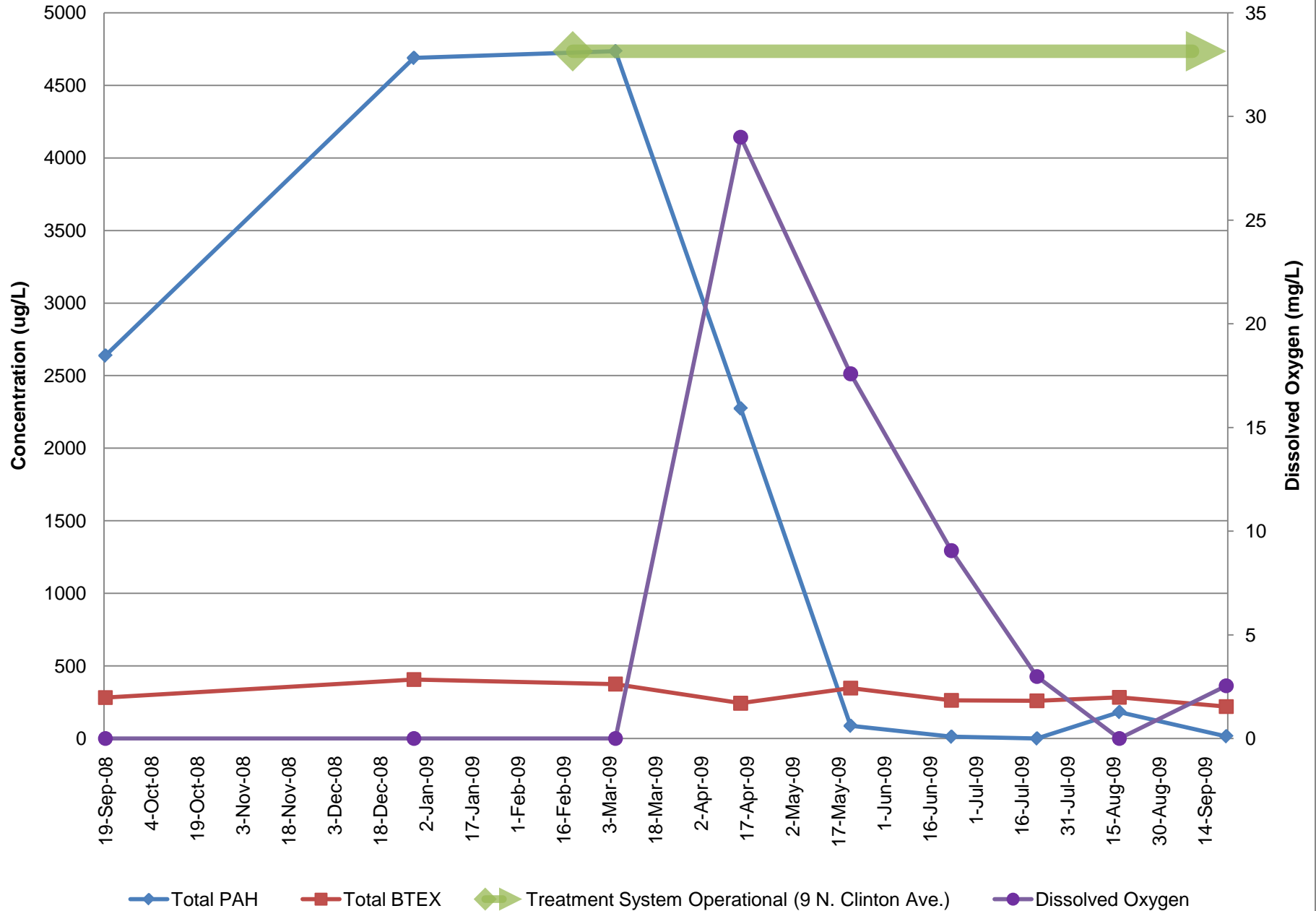
Monitoring Well OU2MW-3013 45-50 ft bgs



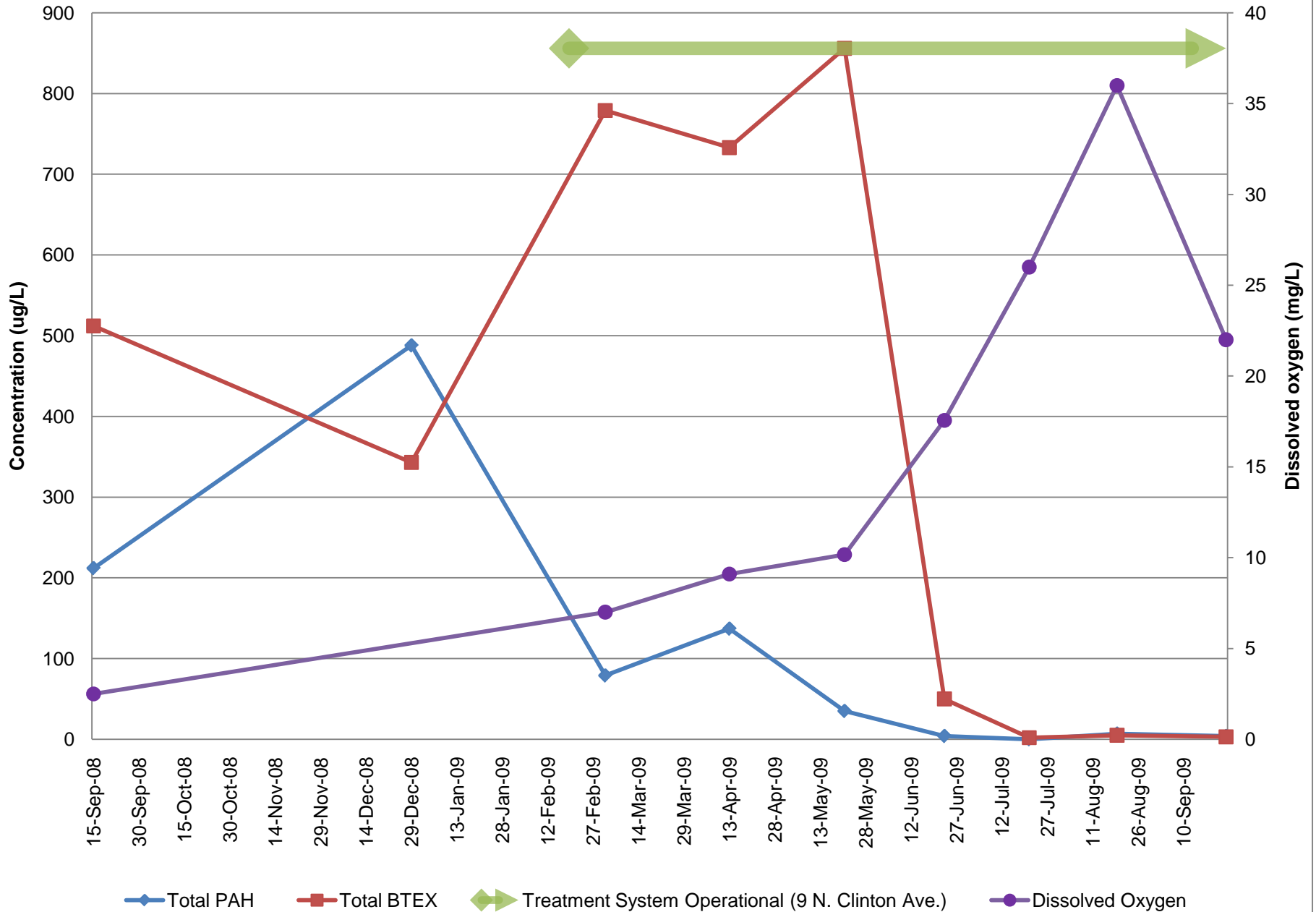
Monitoring Well OU2MW-30D 50-55 ft bgs



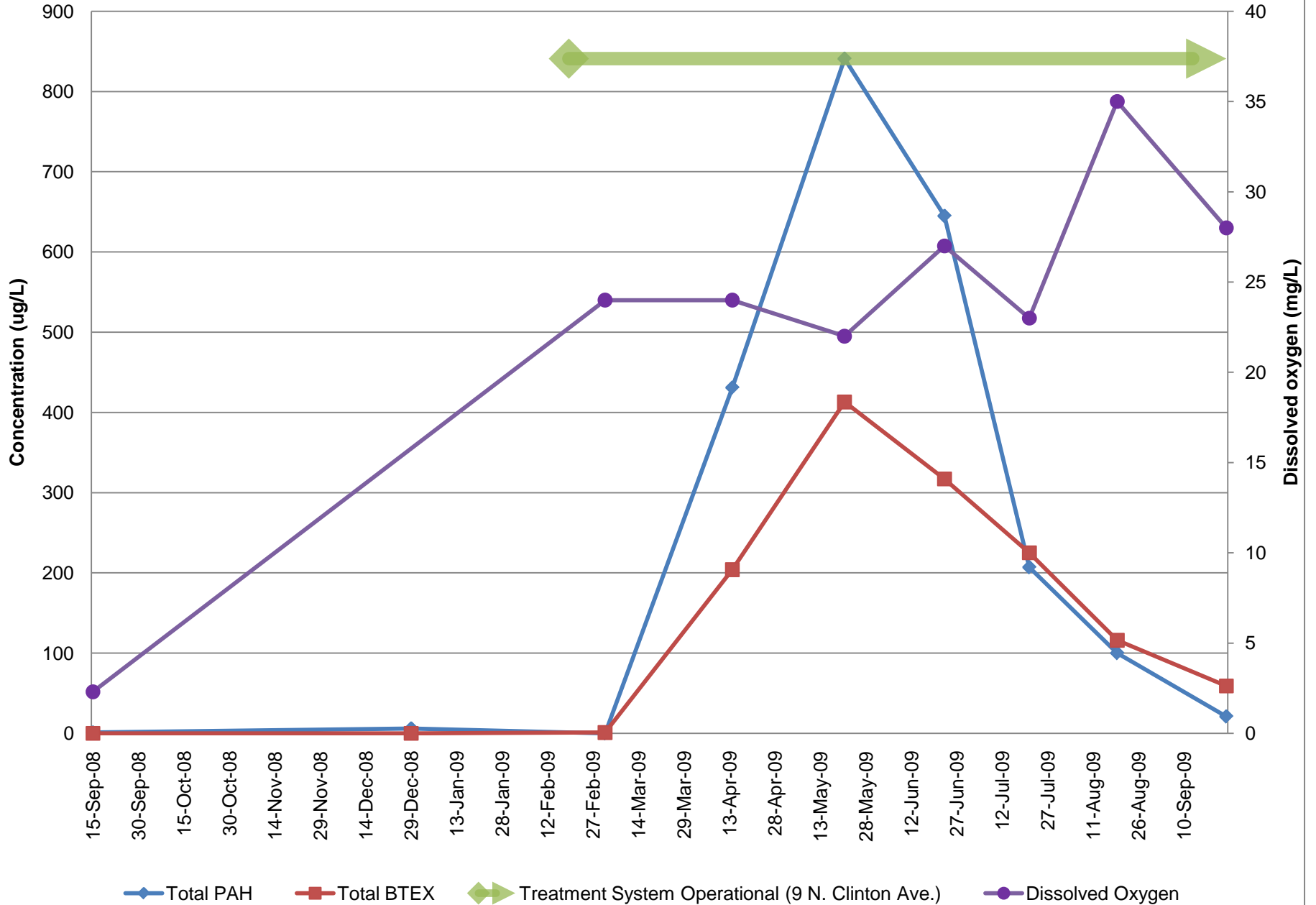
Monitoring Well OU2MW-30D2 60-65 ft bgs



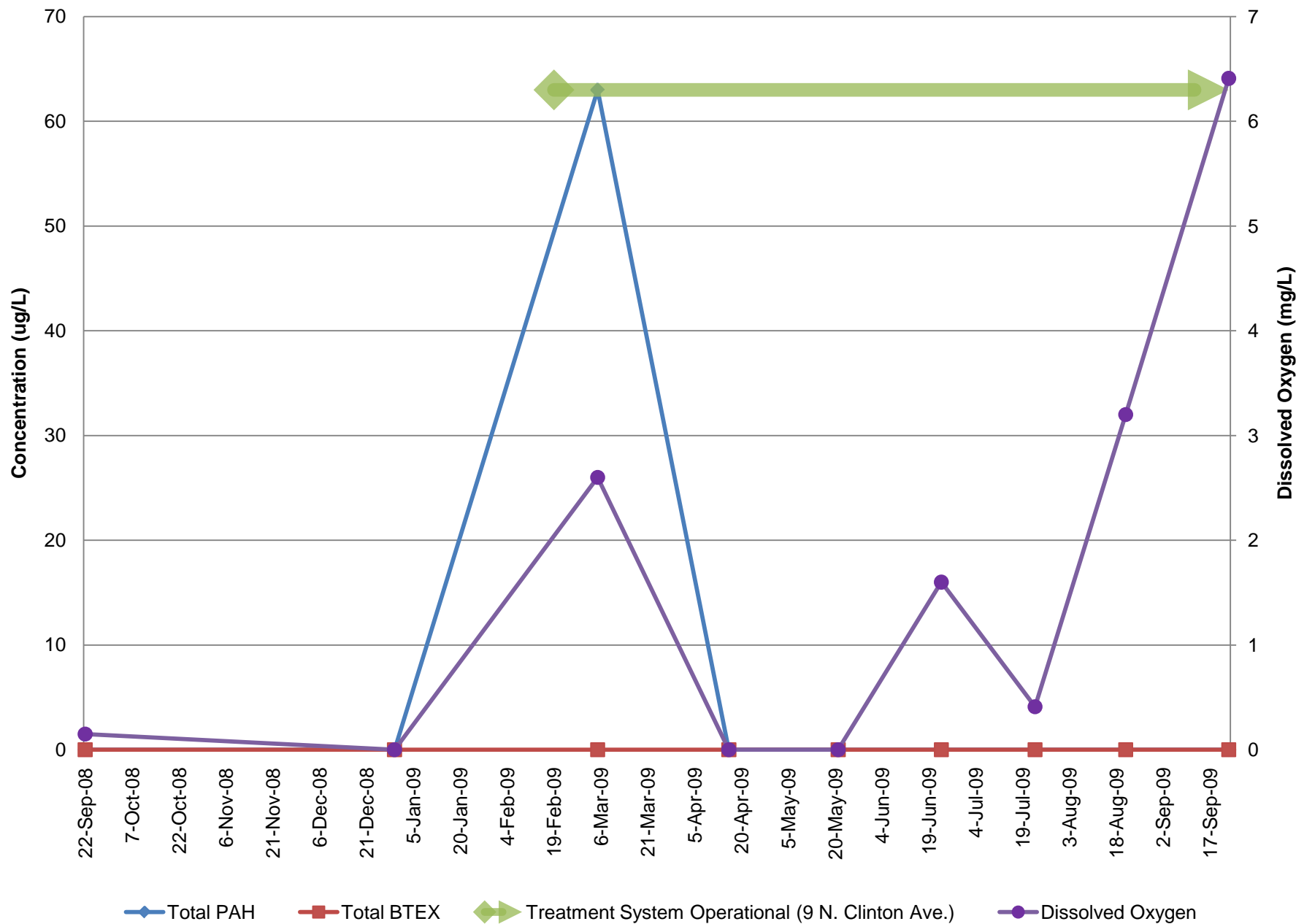
Monitoring Well OU2MW-31I 18-23 ft bgs



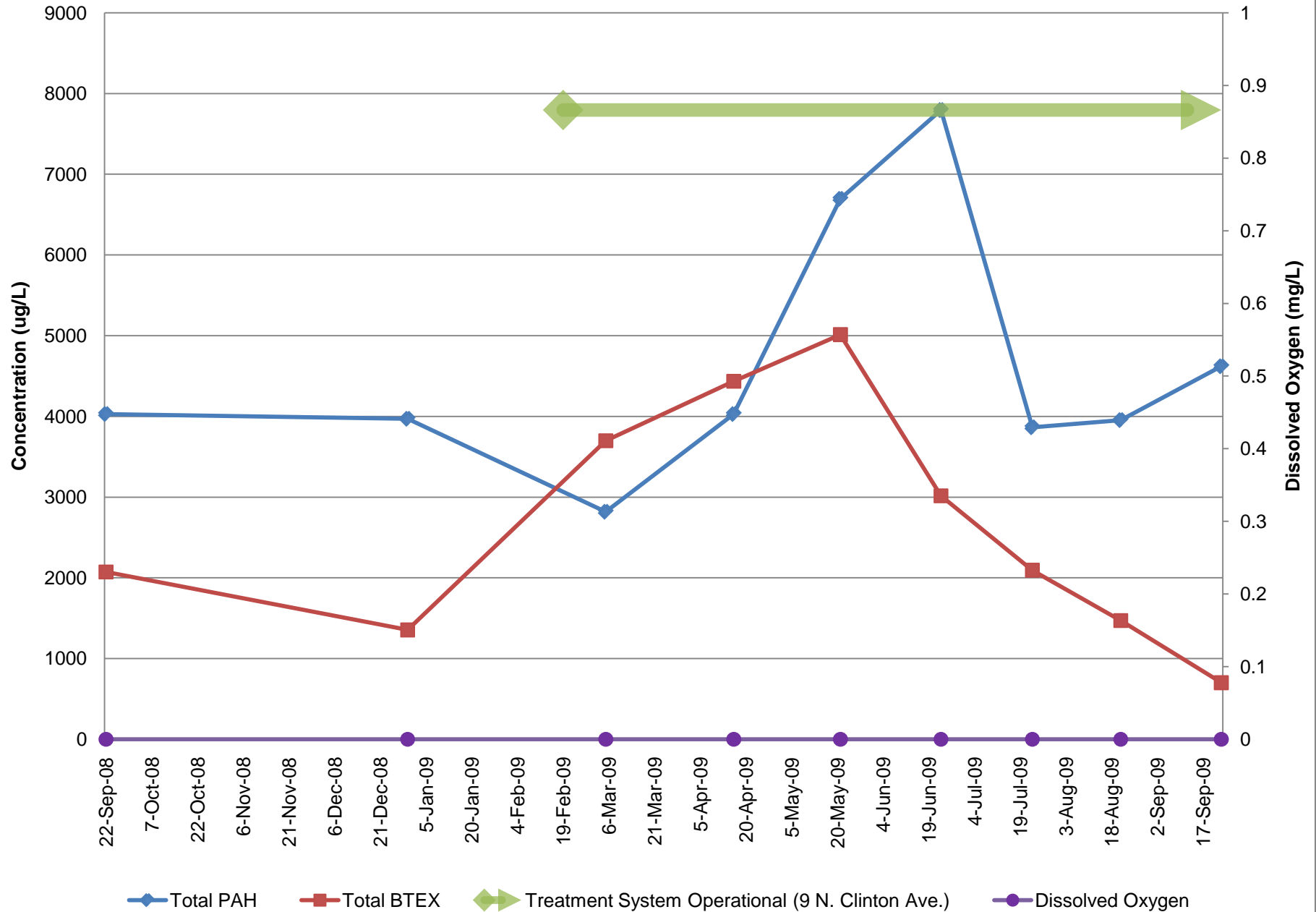
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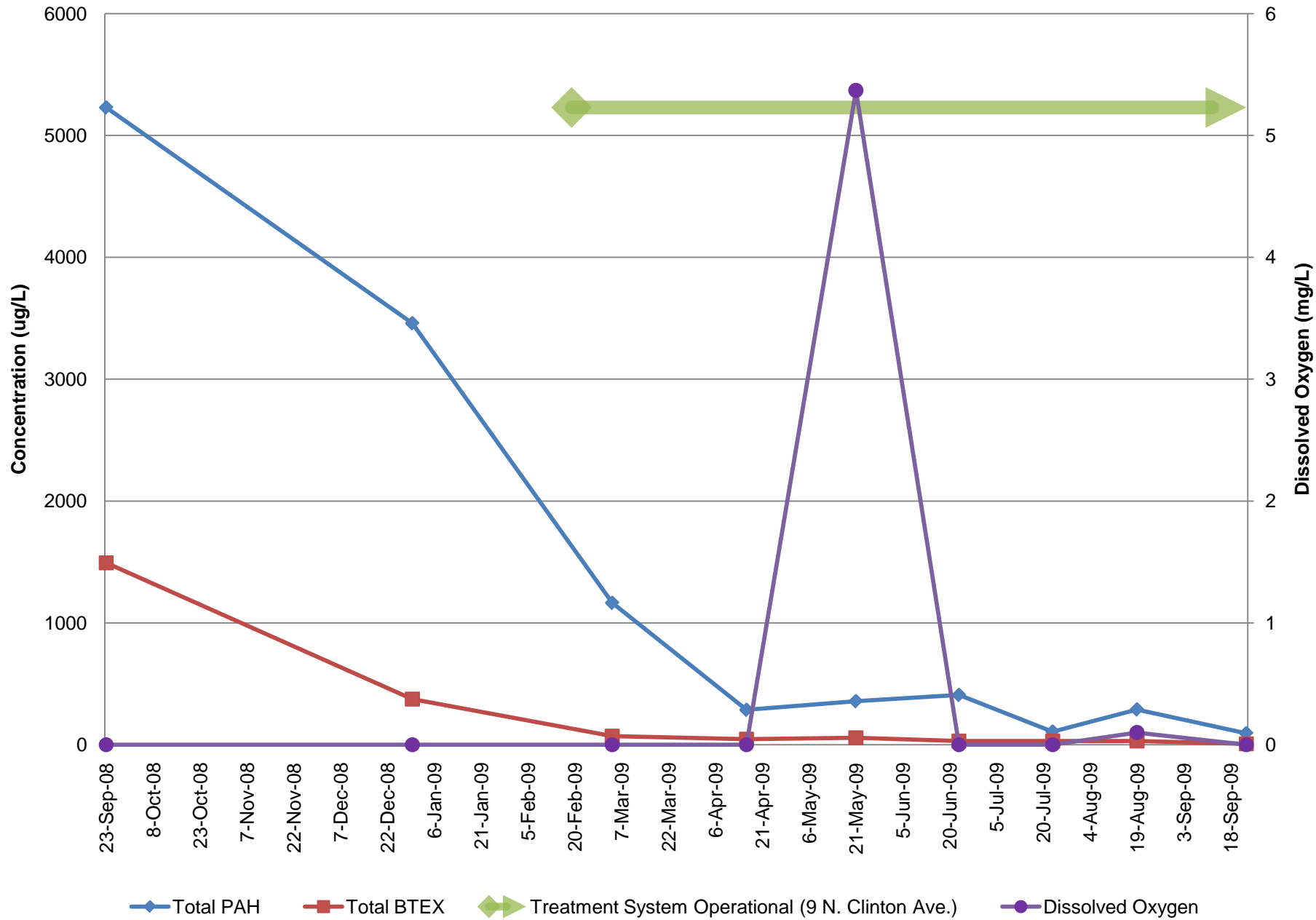
Monitoring Well OU2MW-32S 5-15 ft bgs



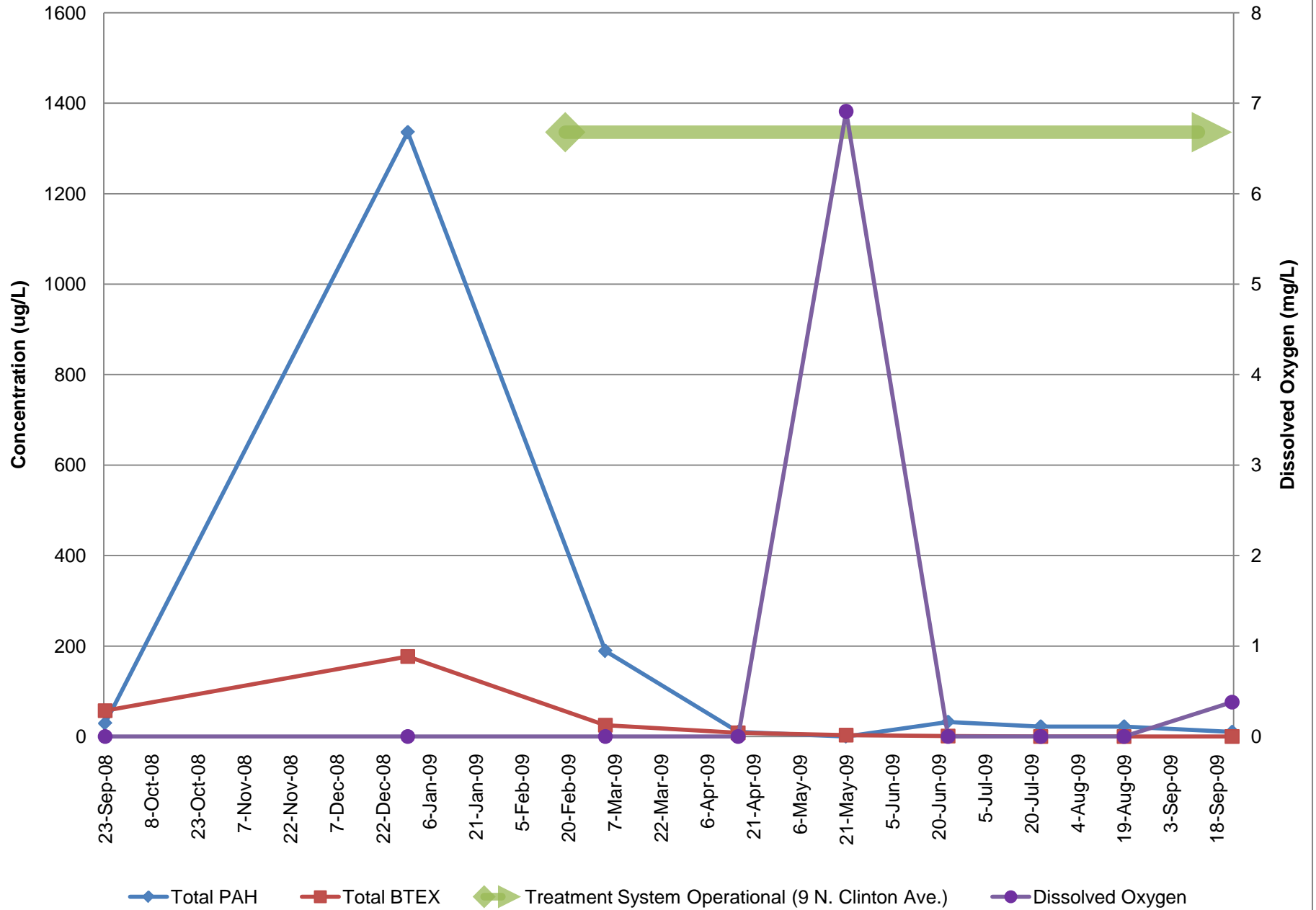
Monitoring Well OU2MW-32I 20-25 ft bgs



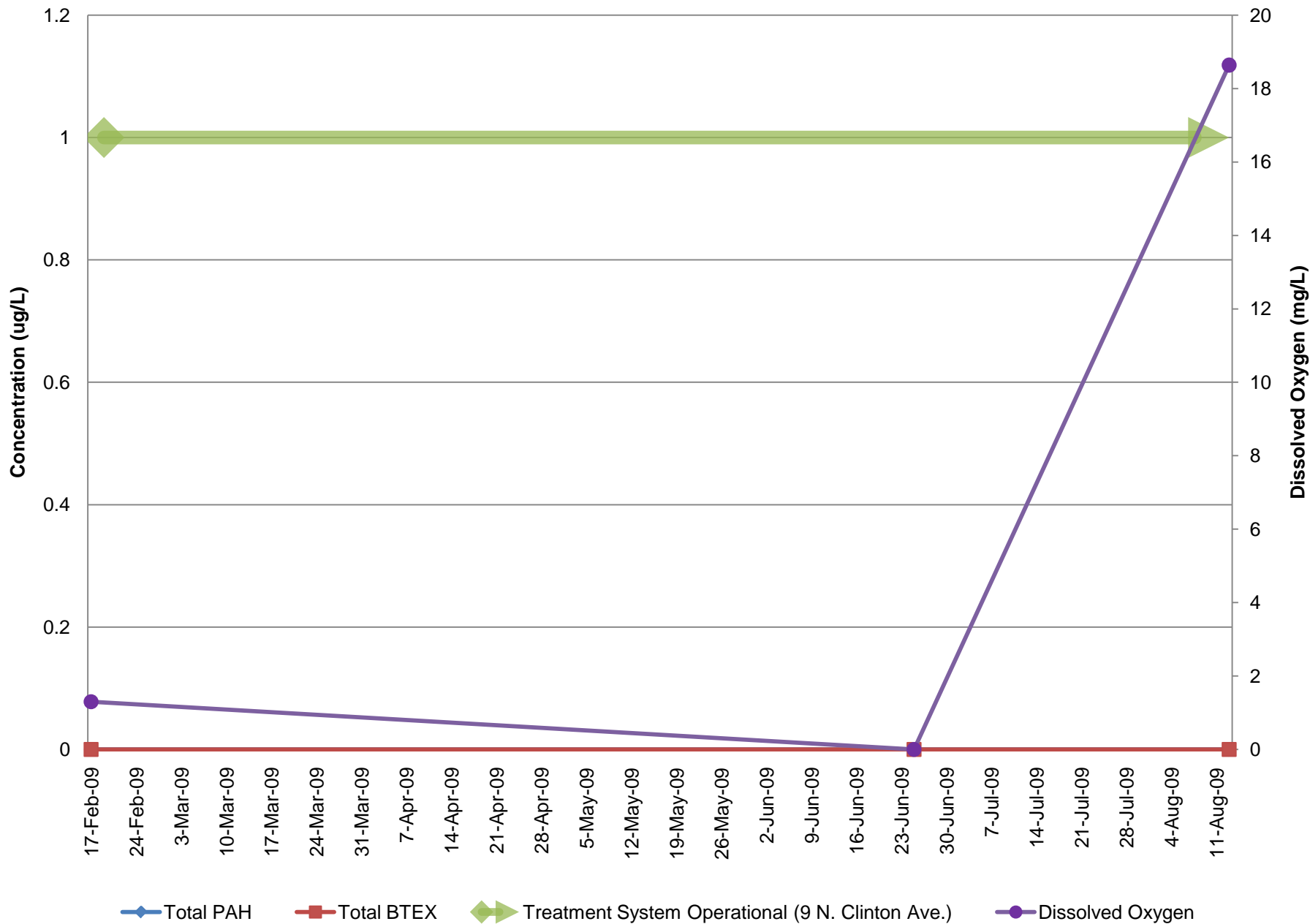
Monitoring Well OU2MW-3212 30-35 ft bgs



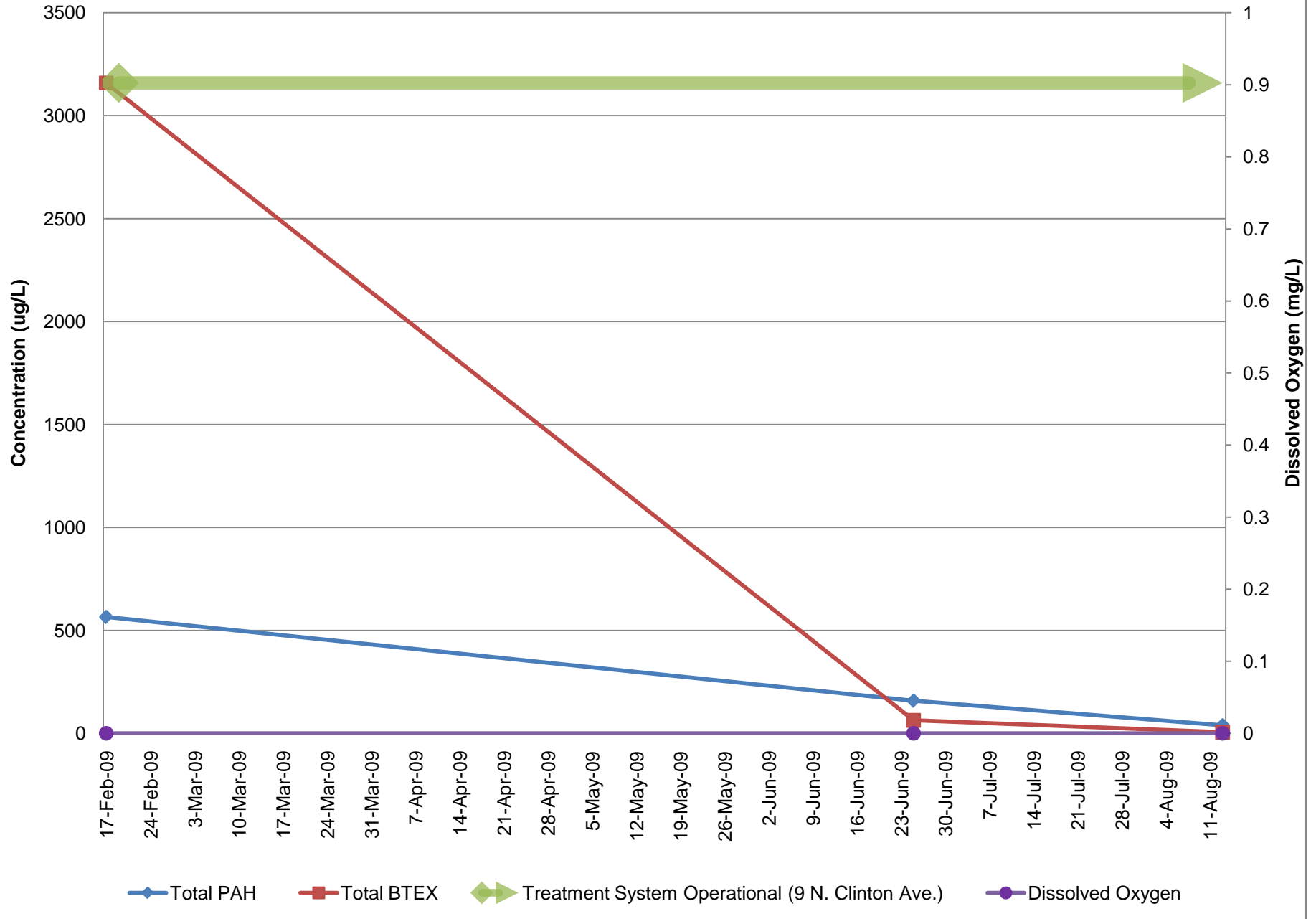
Monitoring Well OU2MW-32D 40-45 ft bgs



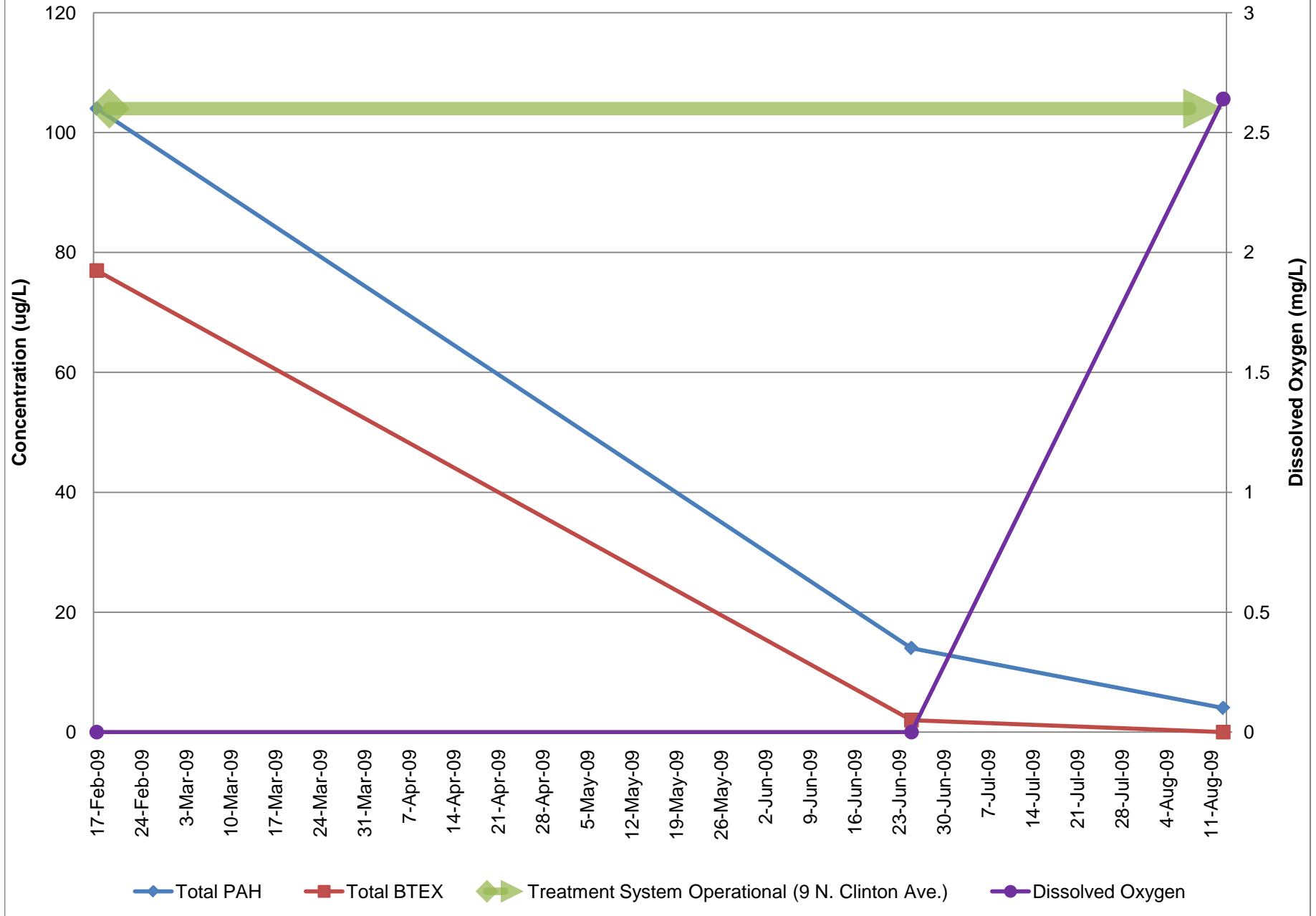
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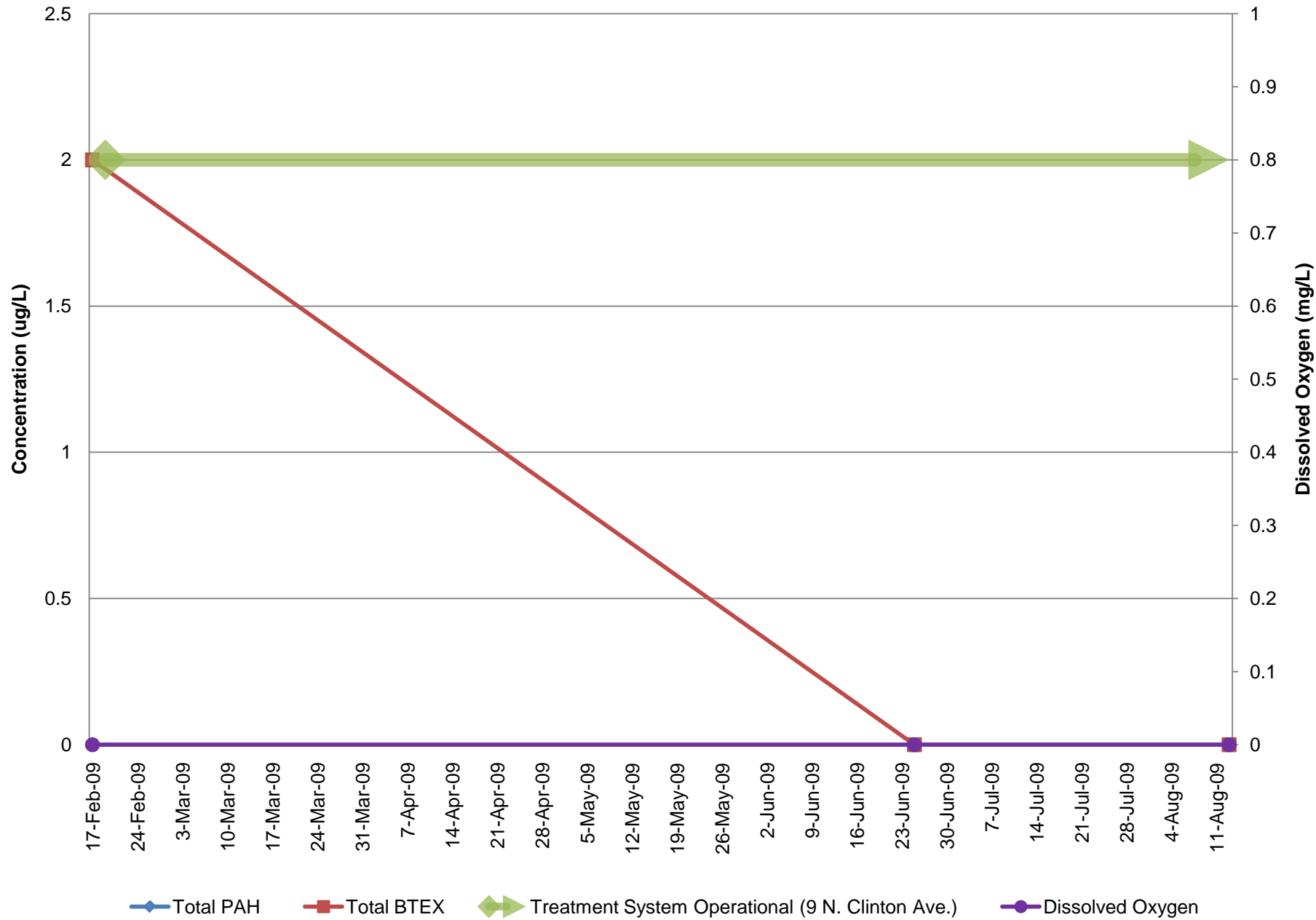
Monitoring Well OU2MW-33I 25-30 ft bgs



Monitoring Well OU2MW-33I2 35-40 ft bgs

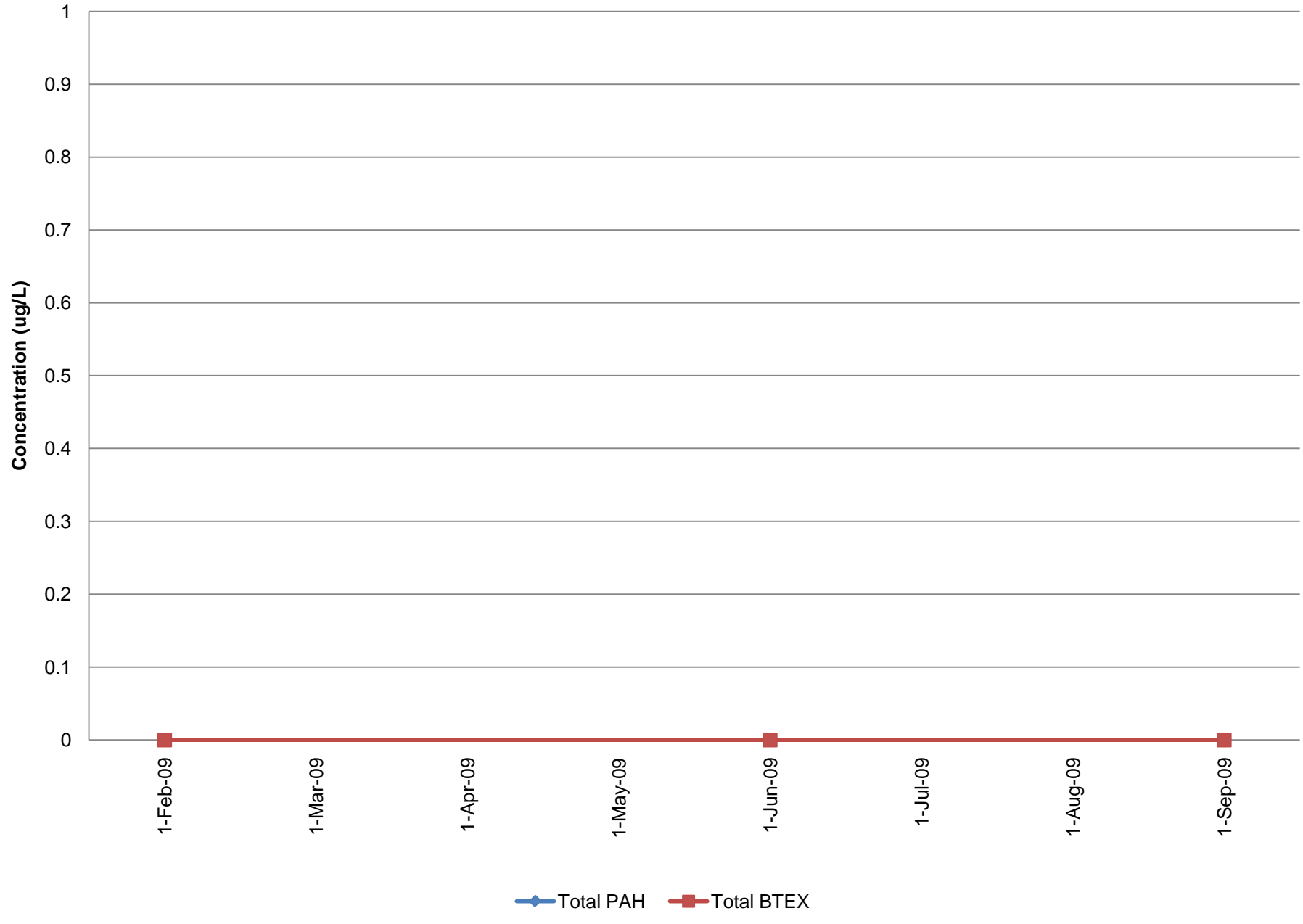


Monitoring Well OU2MW-33D 50-55 ft bgs

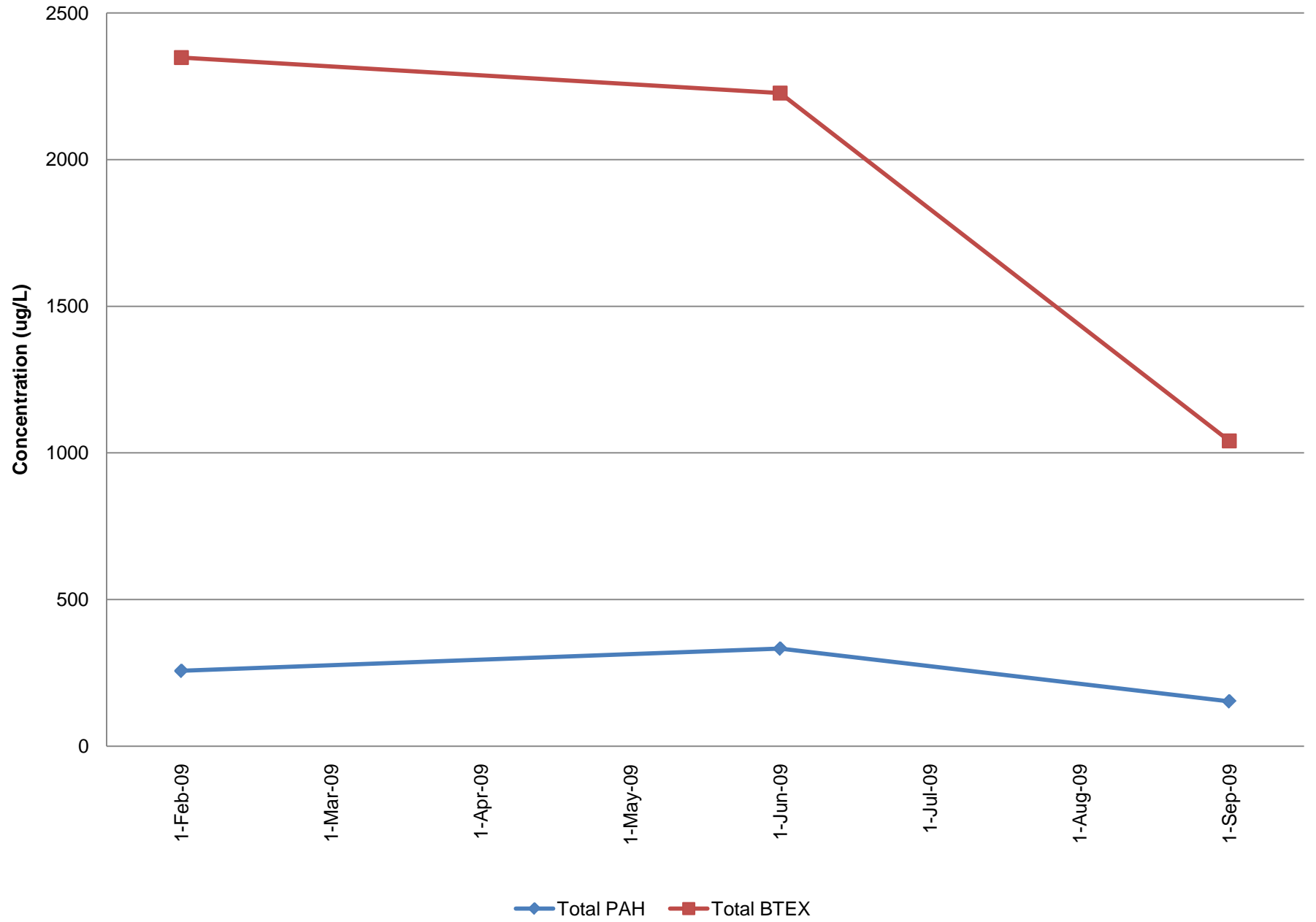


Monitoring Well OU2MW-34S

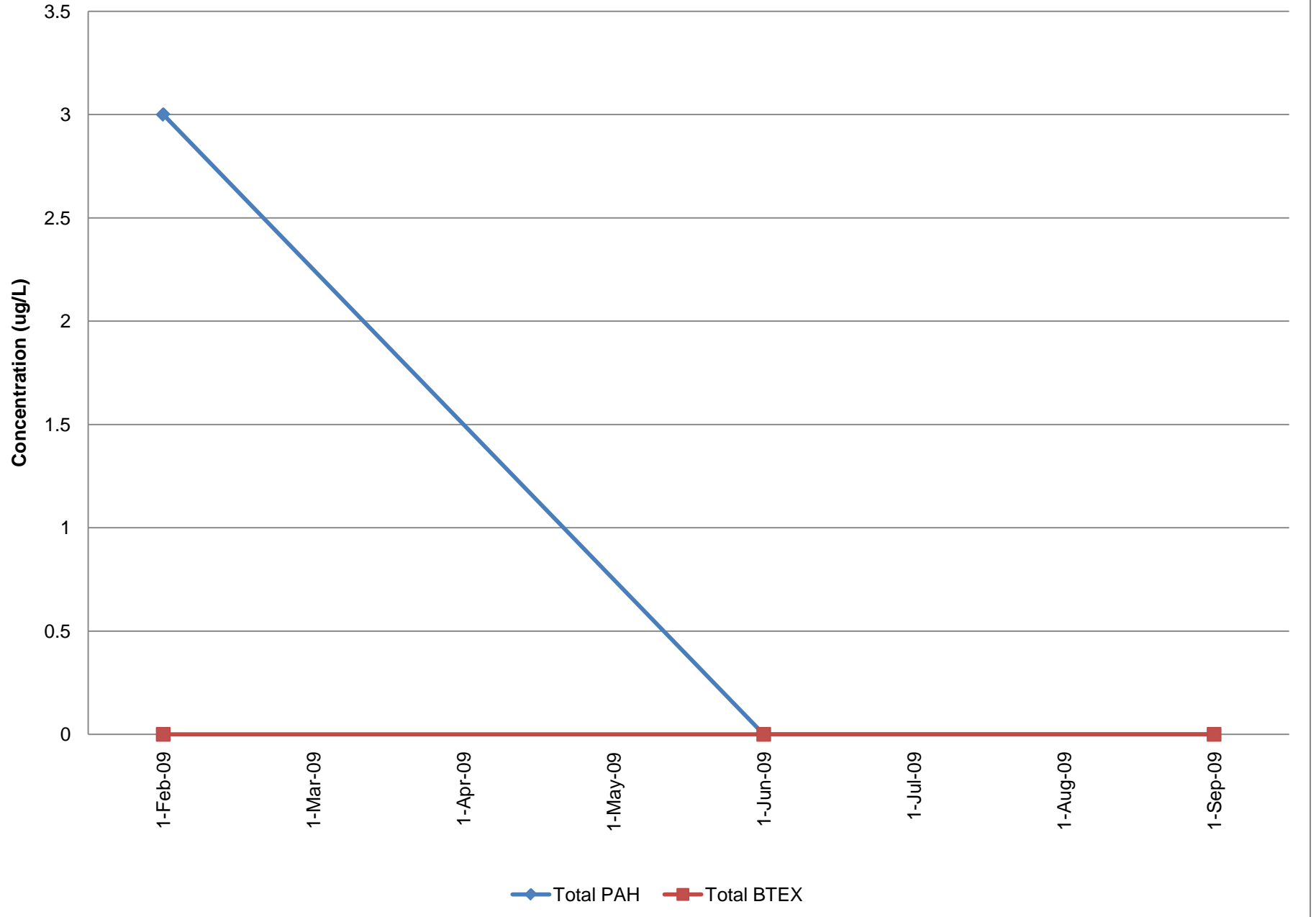
5-15 ft bgs



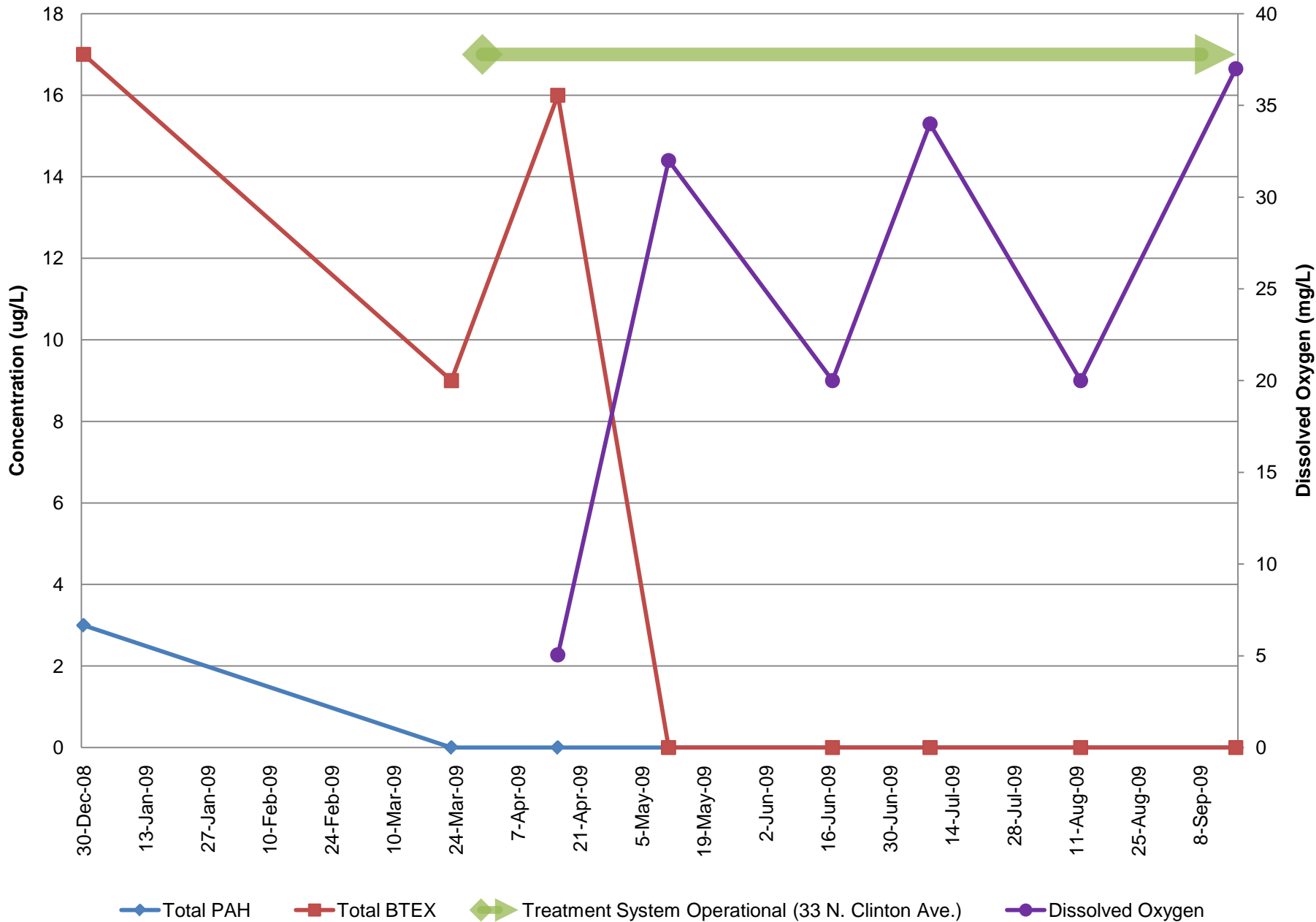
Monitoring Well OU2MW-34I 25-30 ft bgs



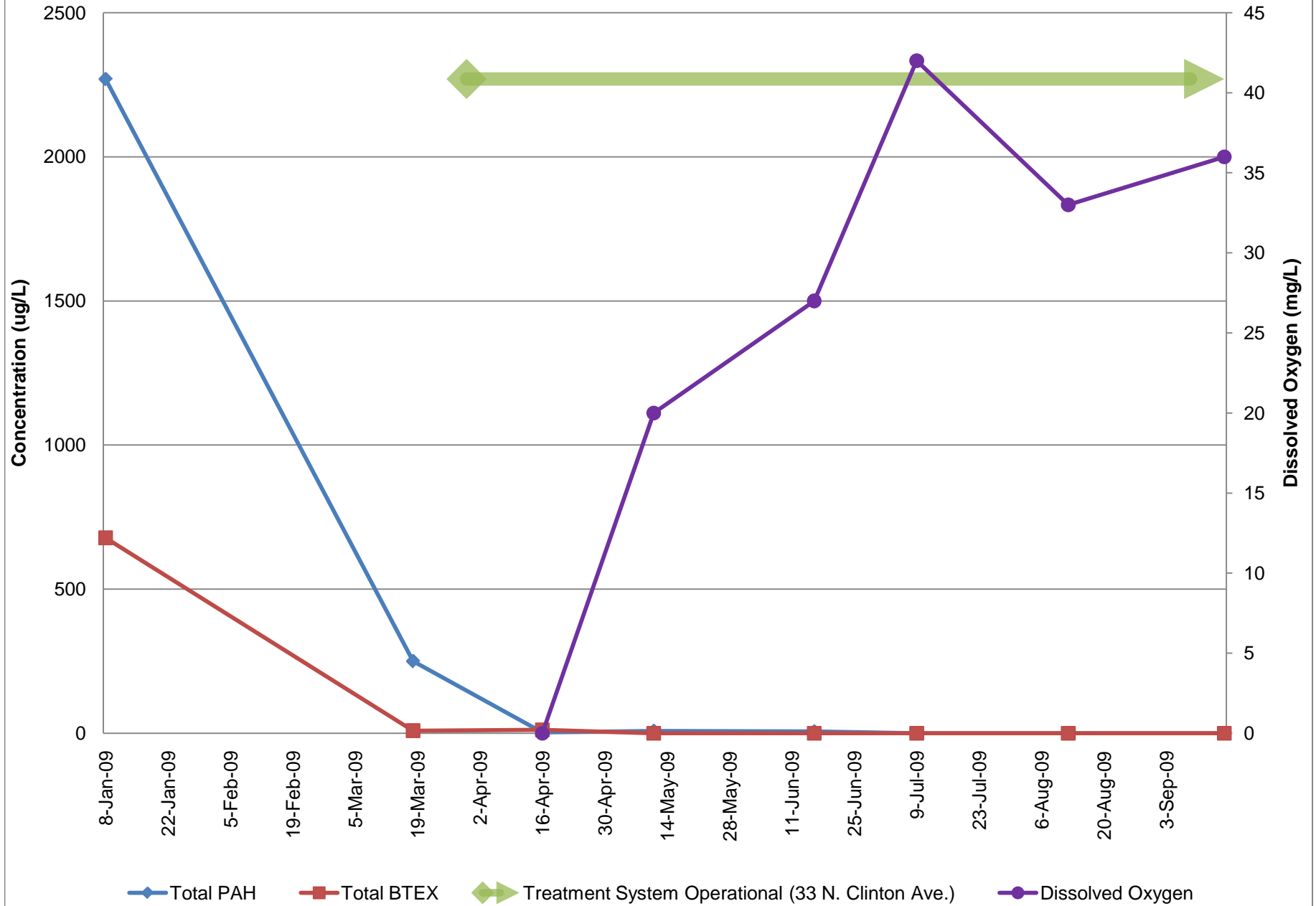
Monitoring Well OU2MW-34I2 45-50 ft bgs



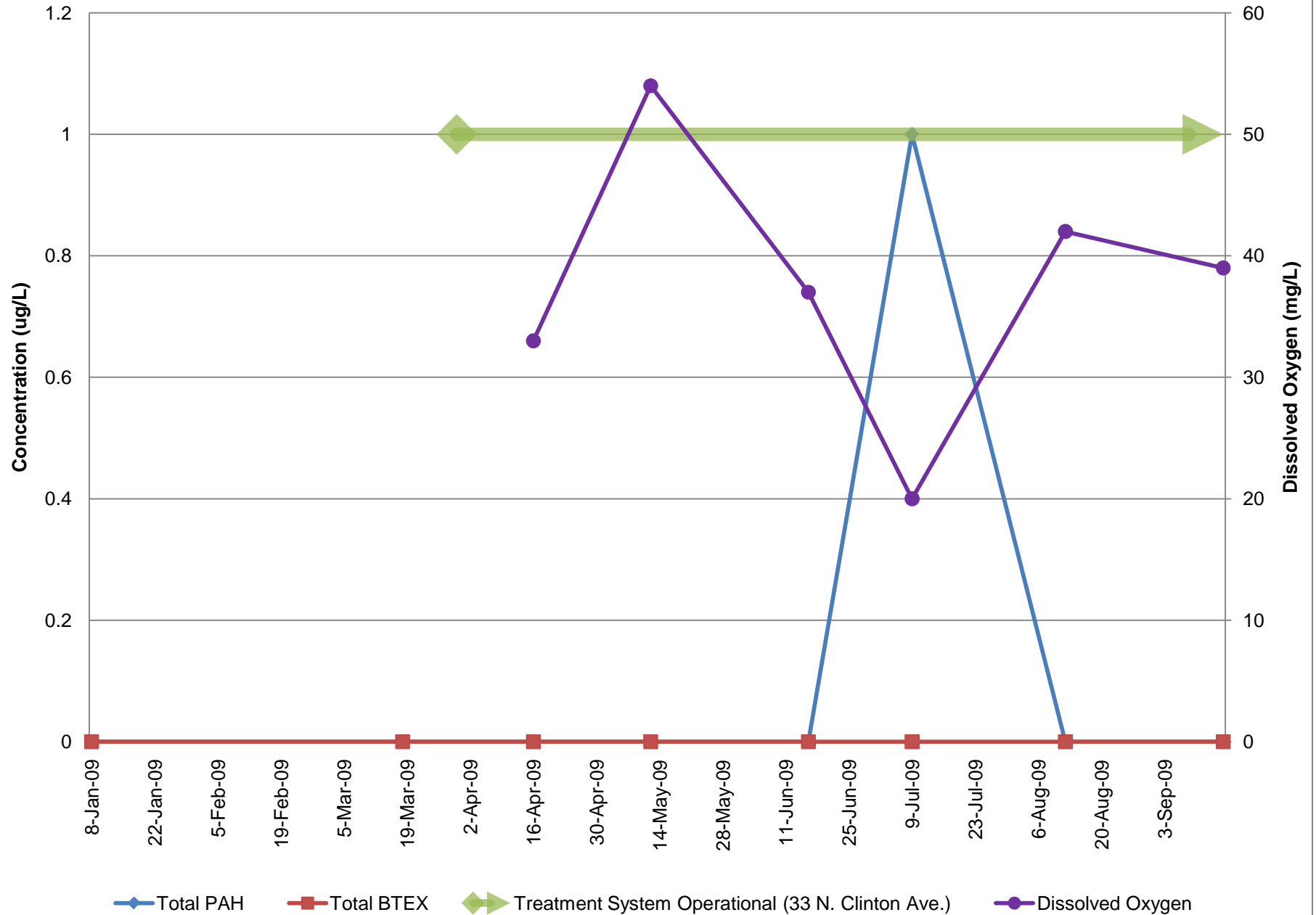
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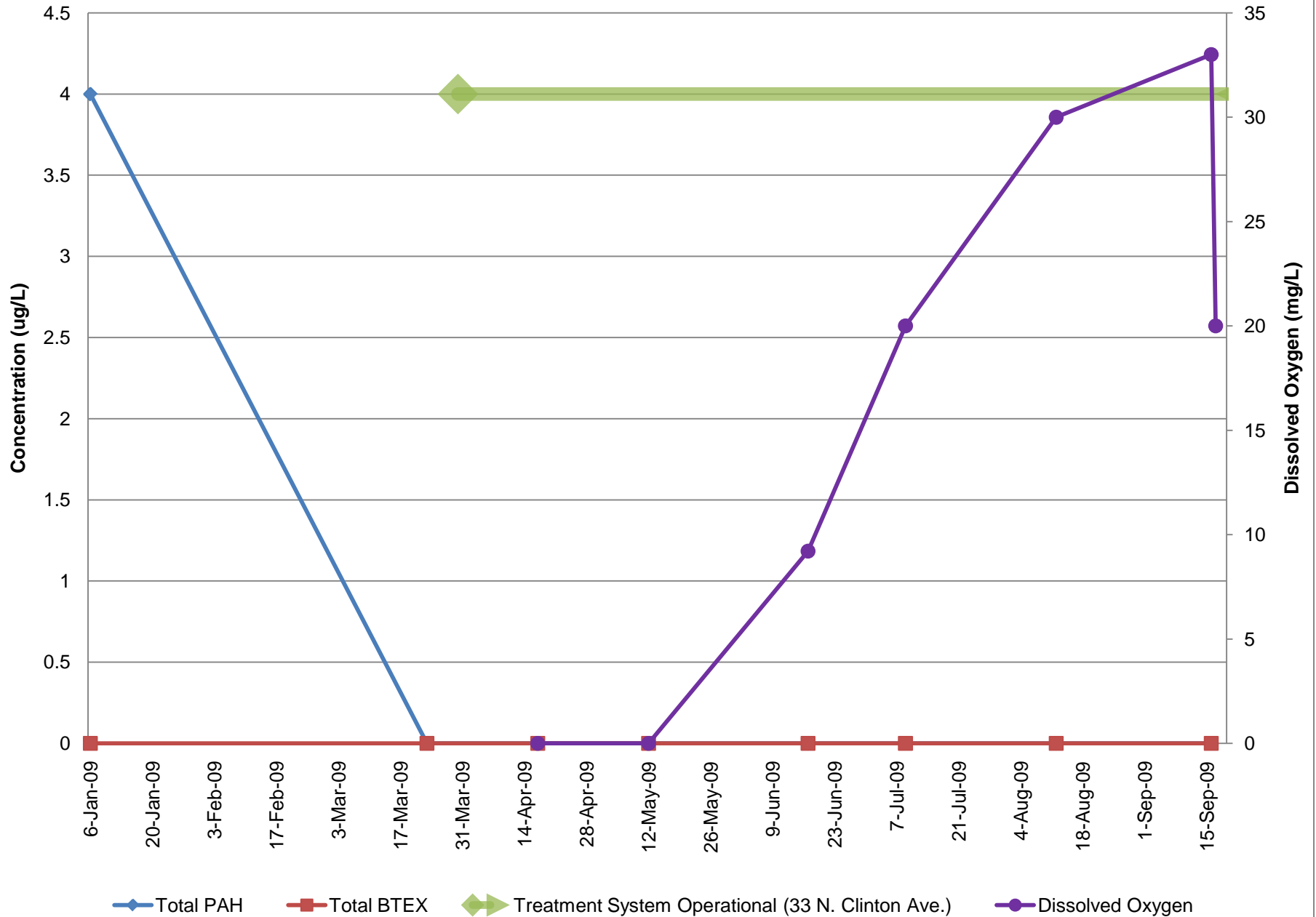
Monitoring Well OU2MW-35I 25-30 ft bgs



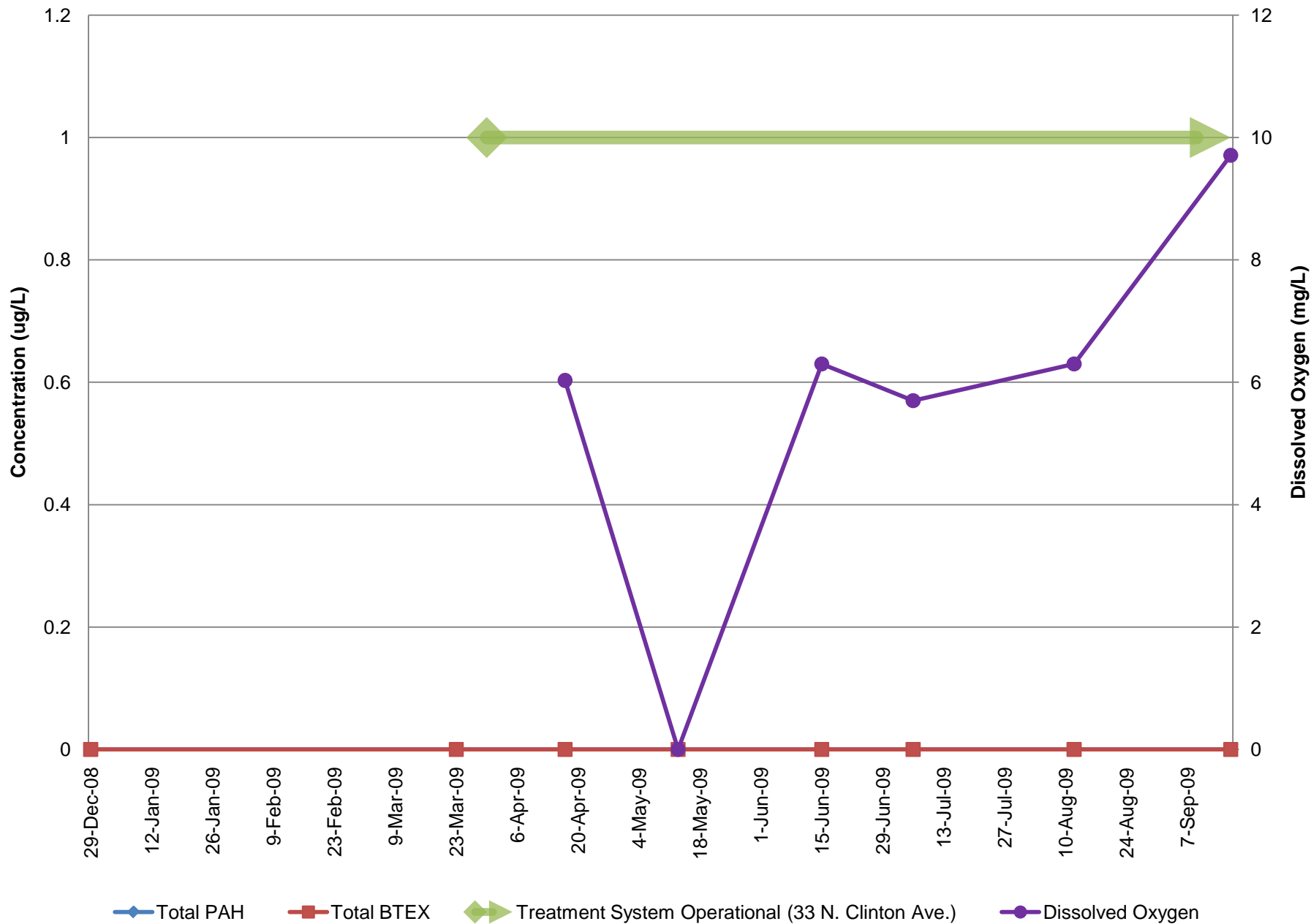
Monitoring Well OU2MW-3512 45-50 ft bgs



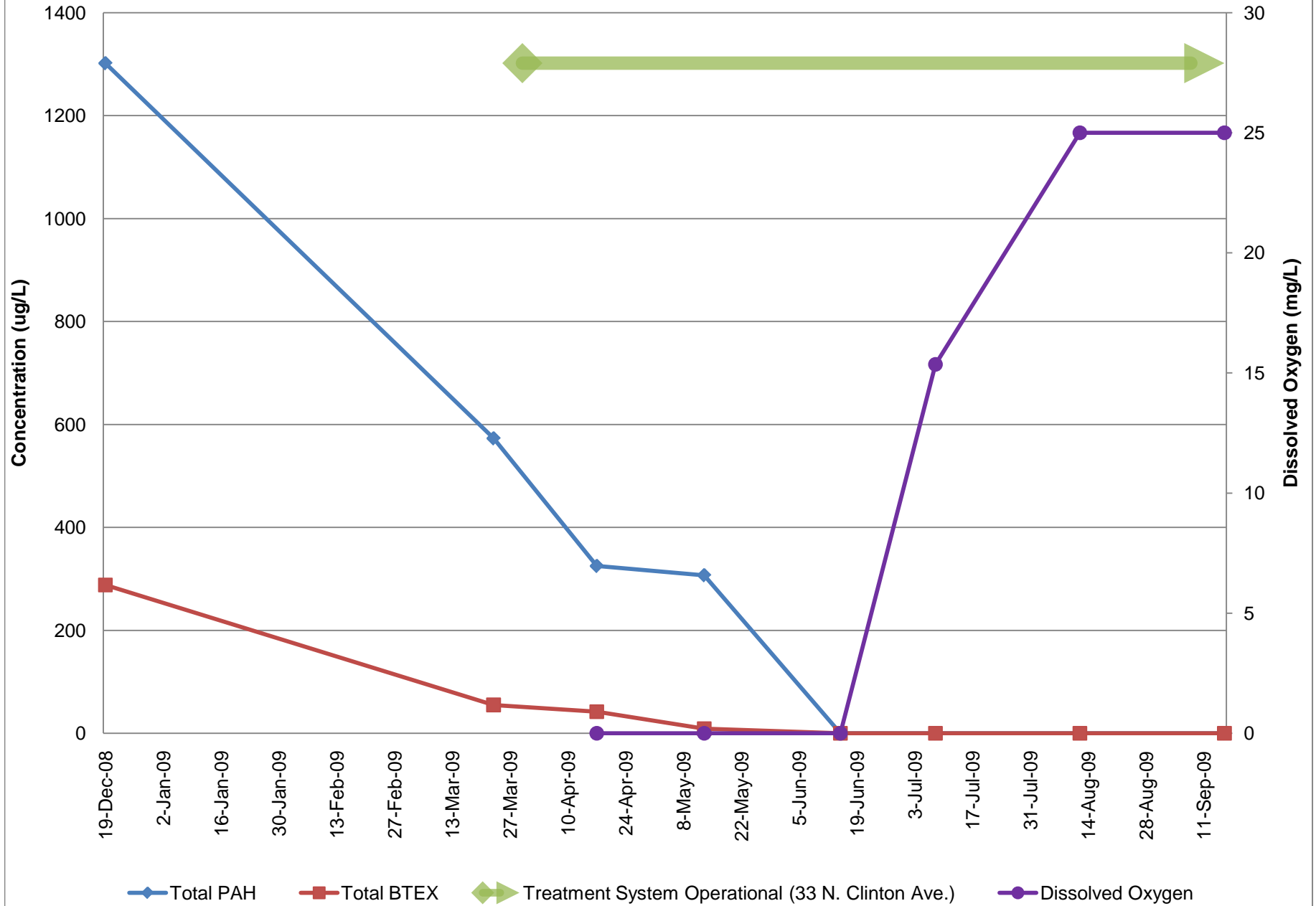
Monitoring Well OU2MW-35D 57-62 ft bgs



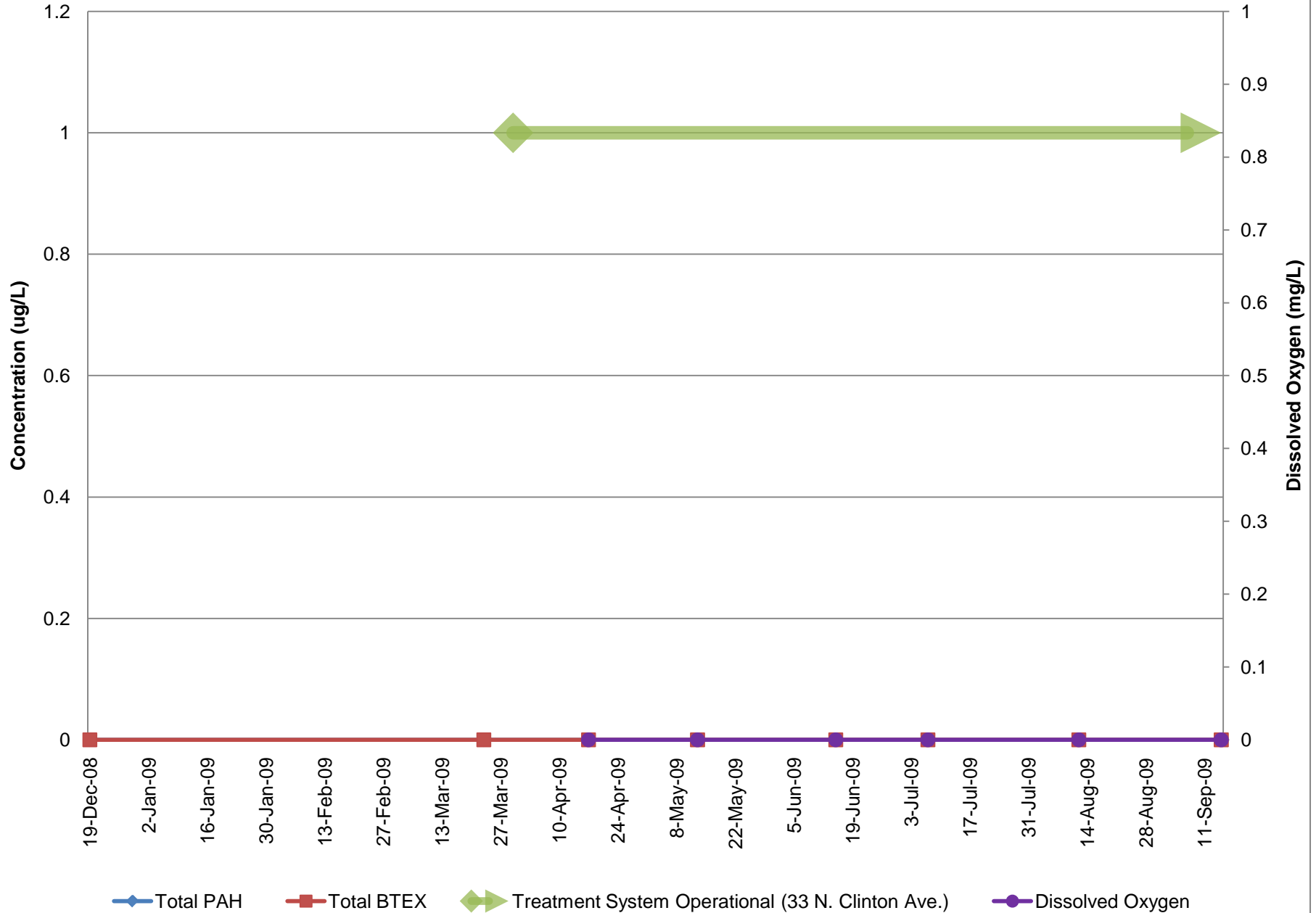
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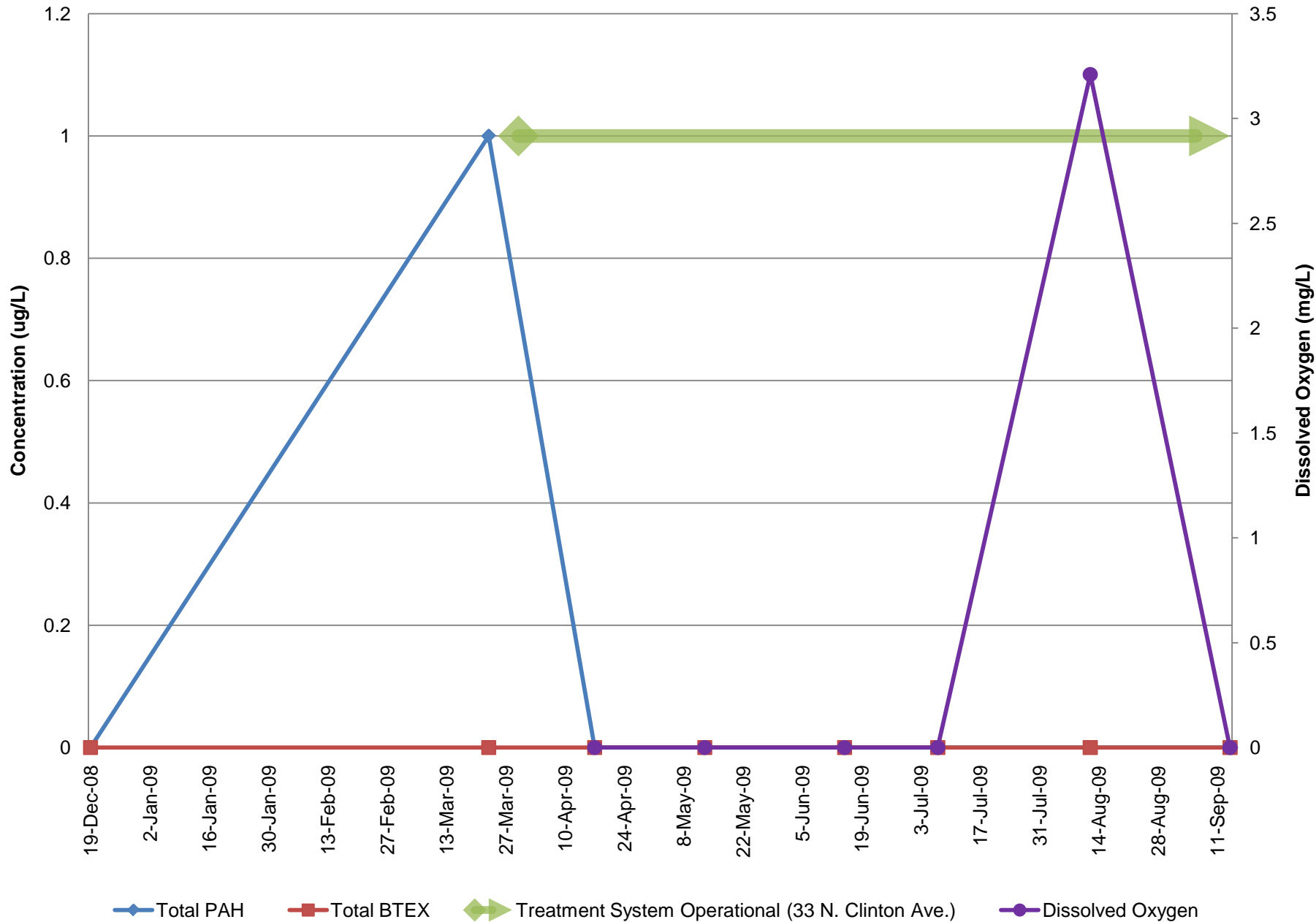
Monitoring Well OU2MW-36I 25-30 ft bgs



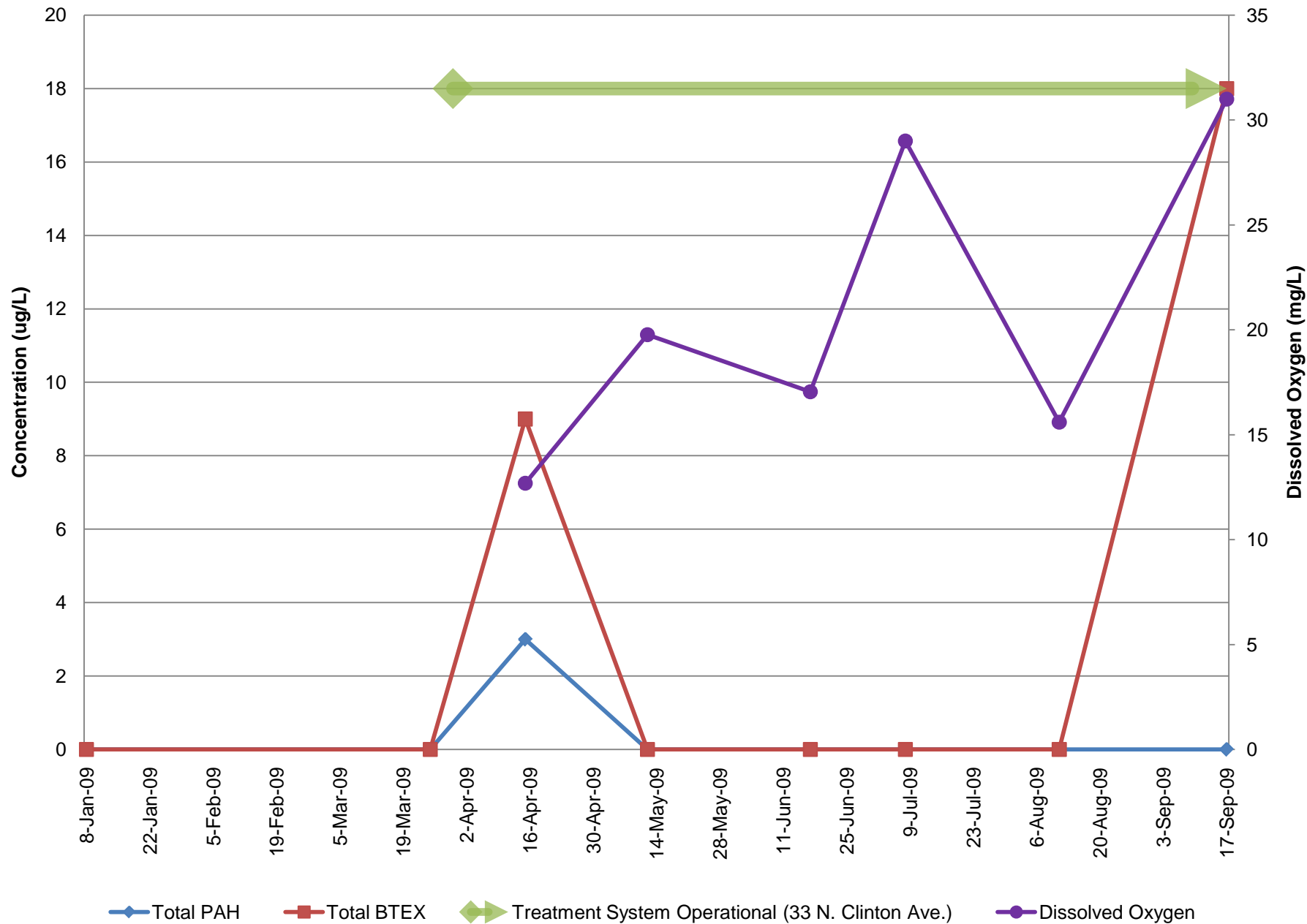
Monitoring Well OU2MW-36I2 45-50 ft bgs



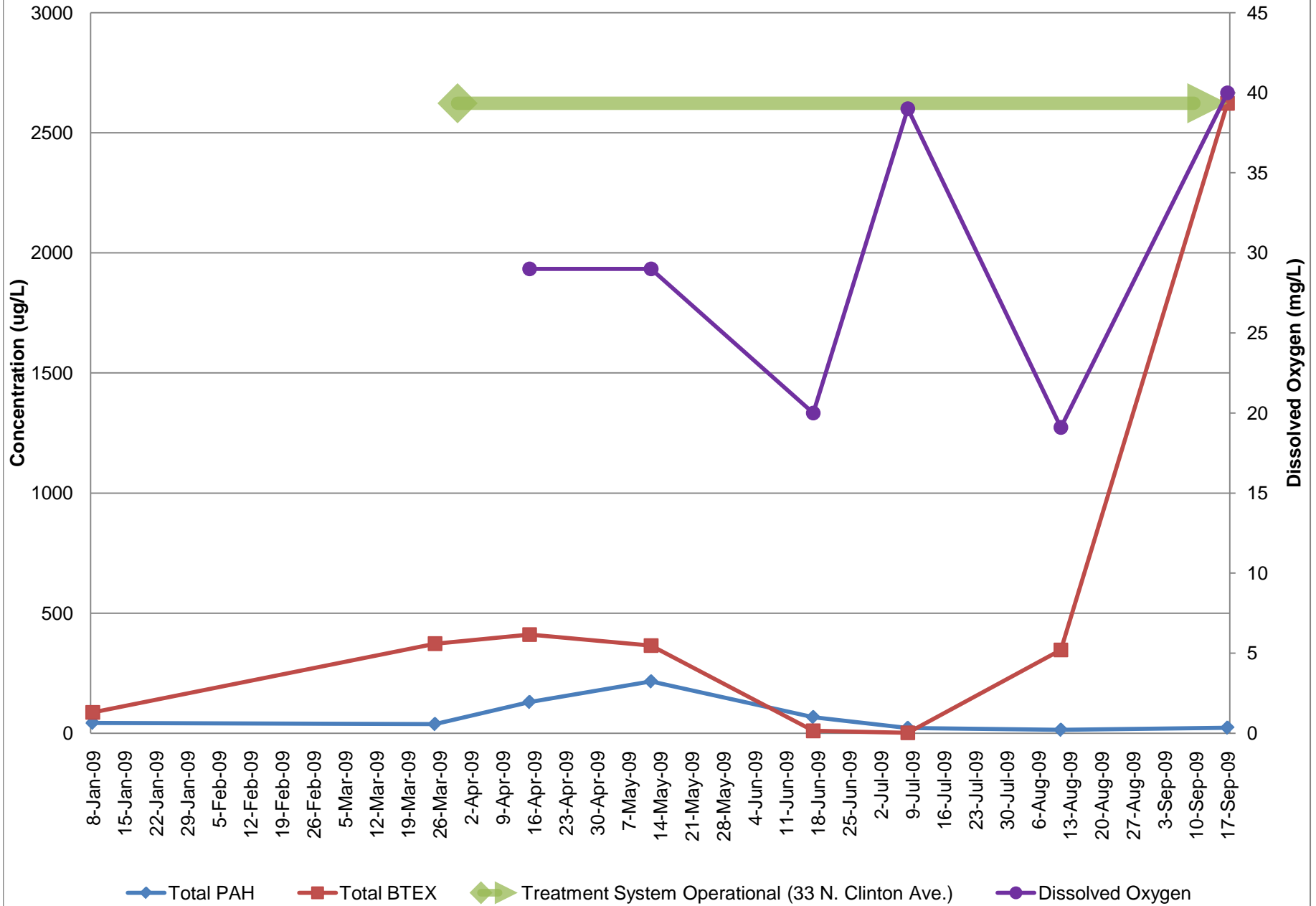
Monitoring Well OU2MW-36D 61-66 ft bgs



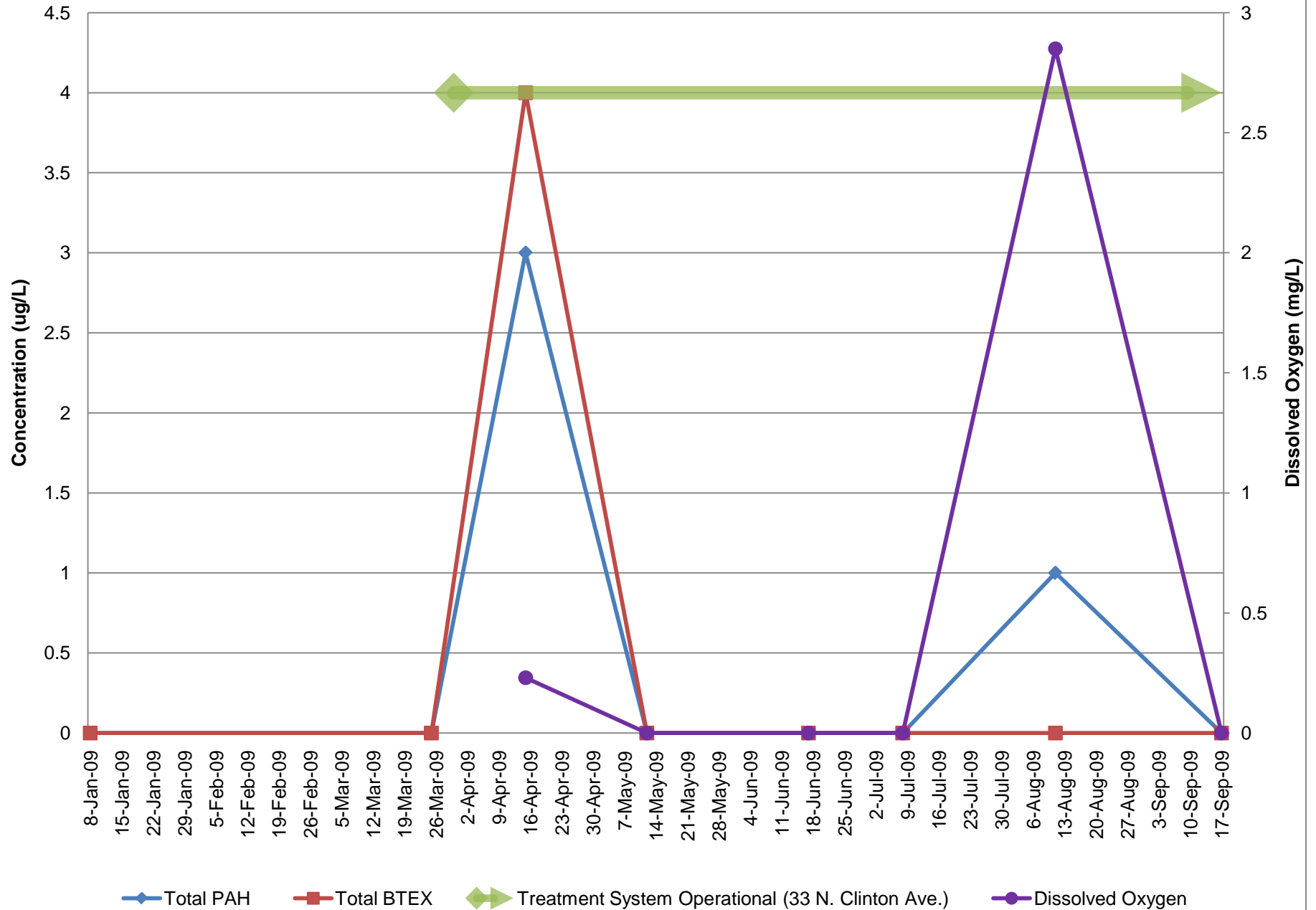
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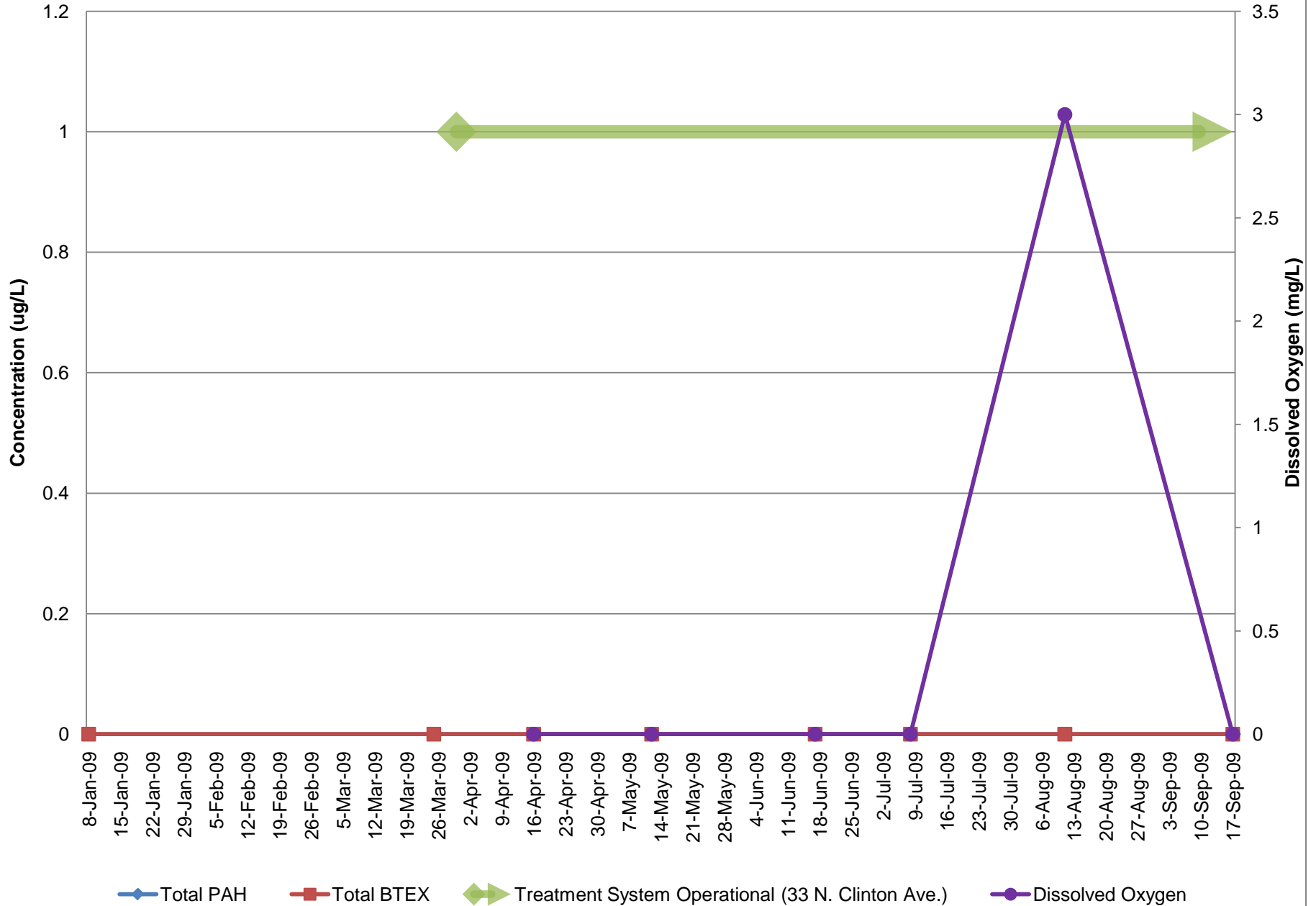
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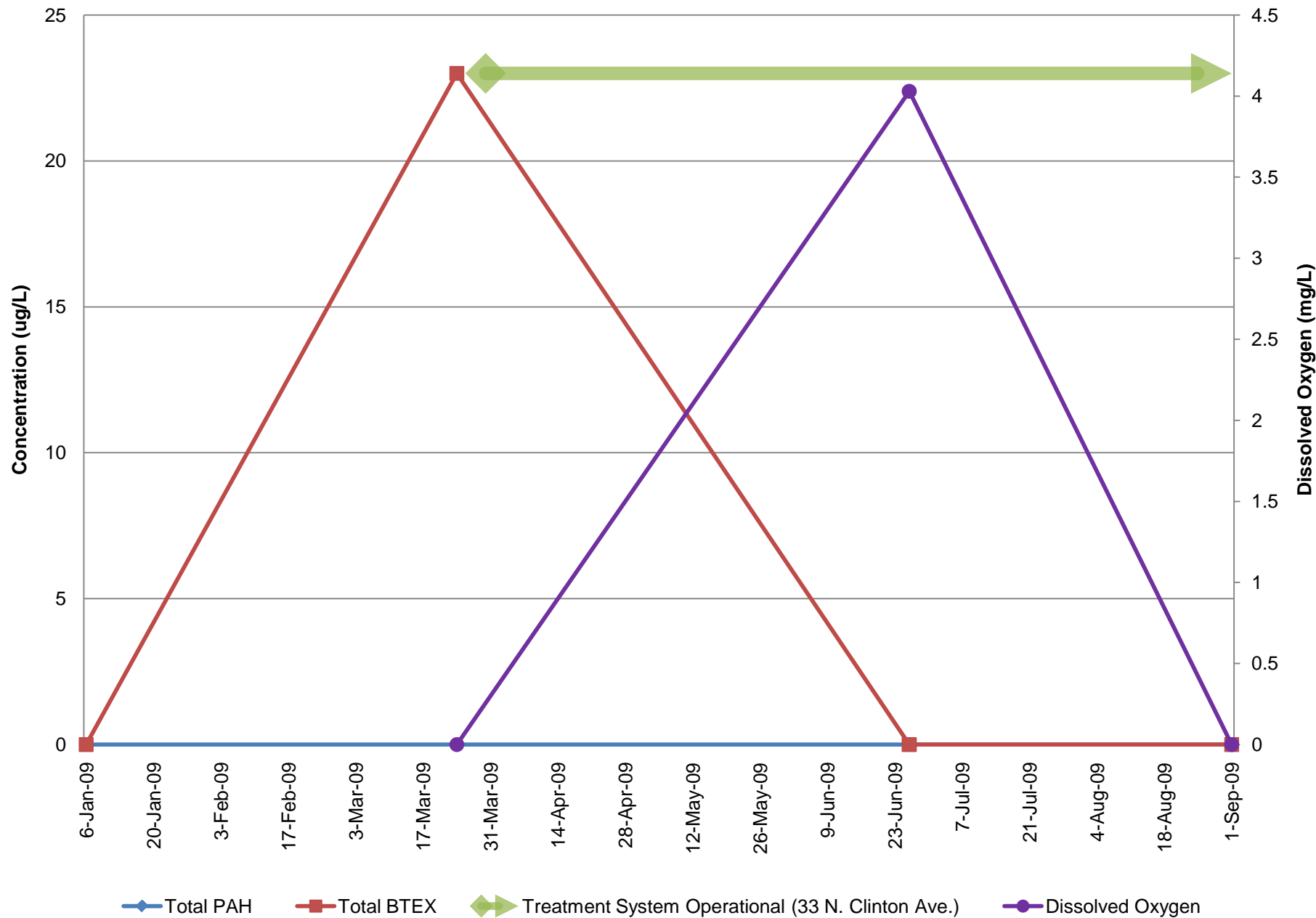
Monitoring Well OU2MW-3712 45-50 ft bgs



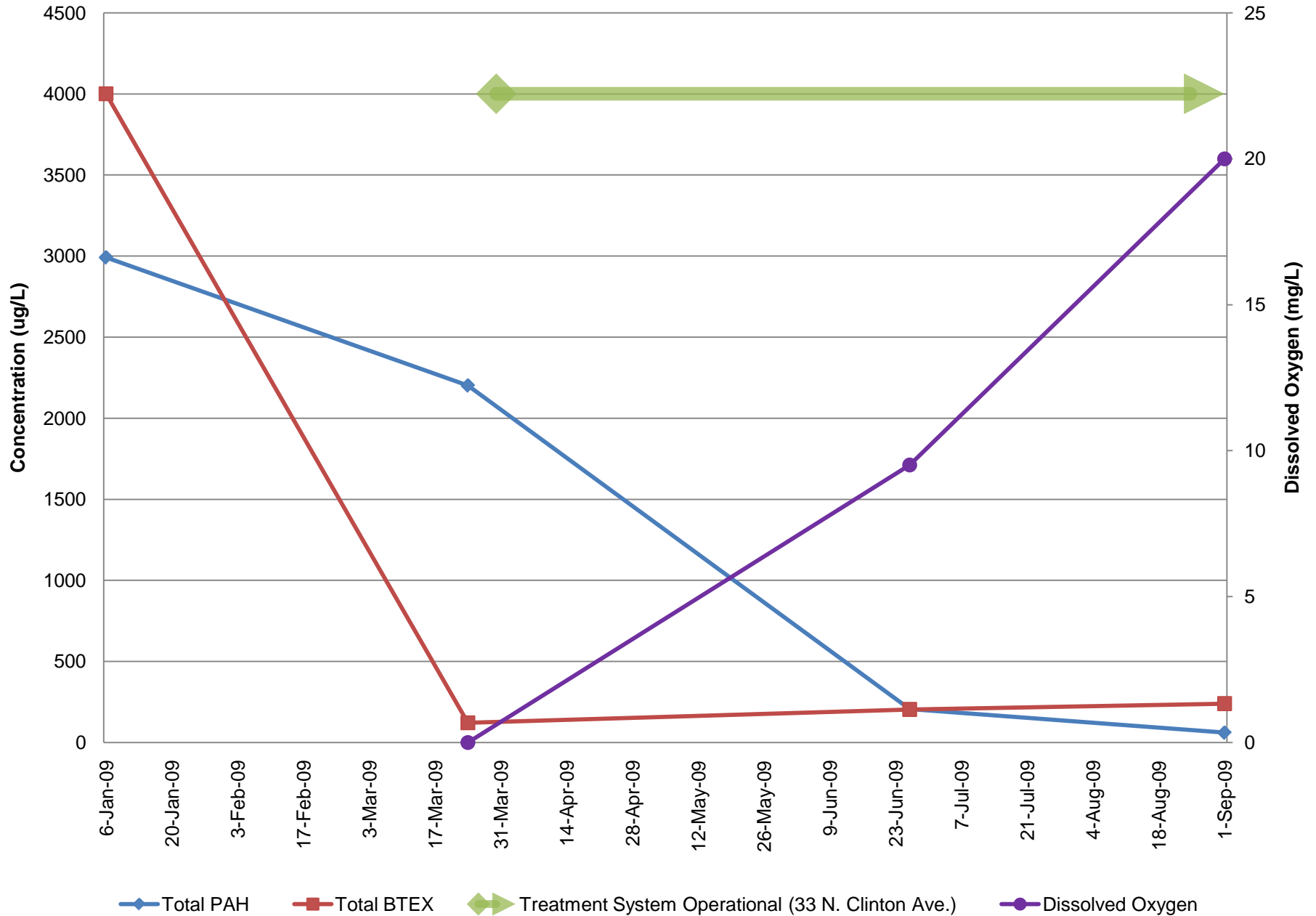
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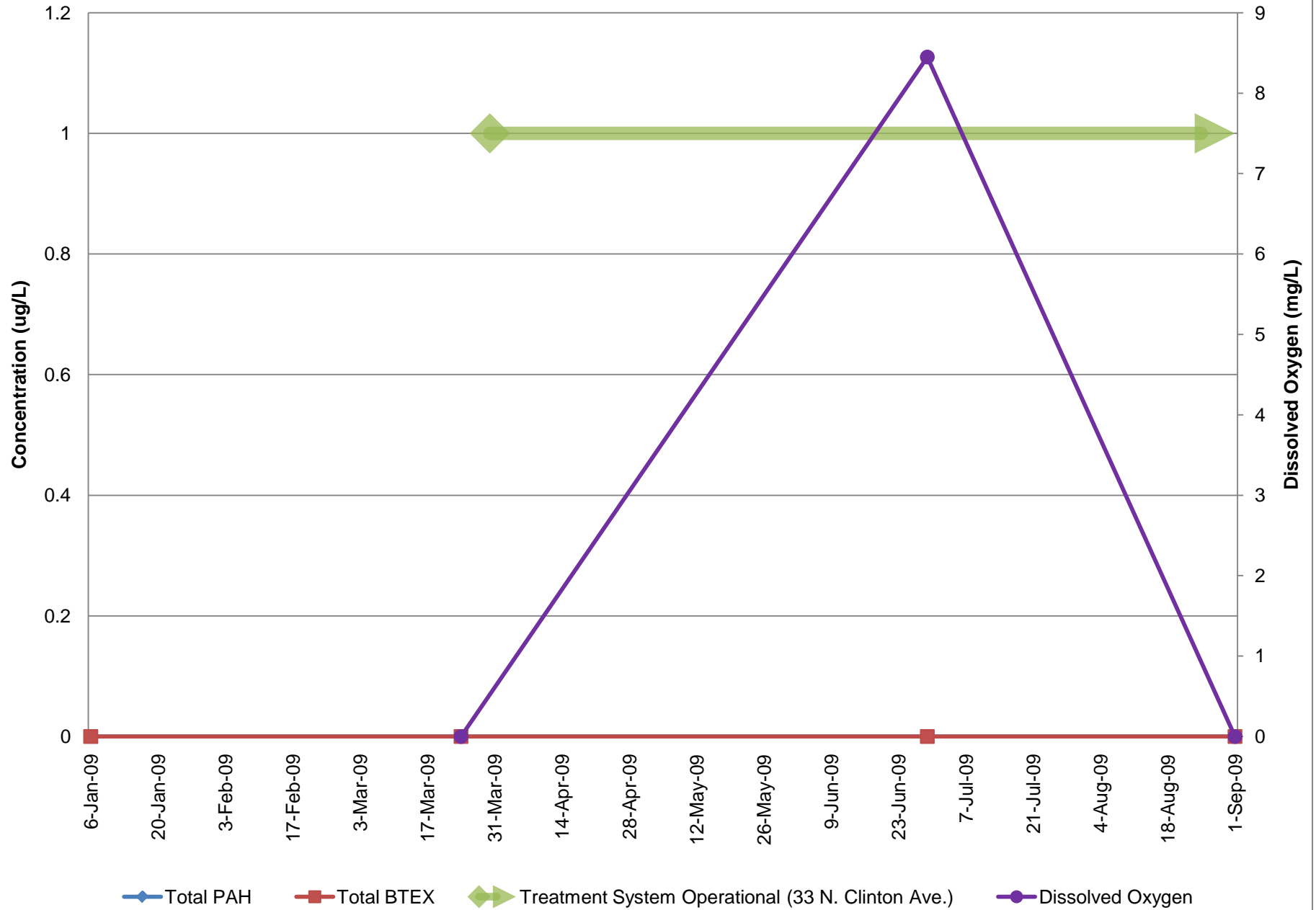
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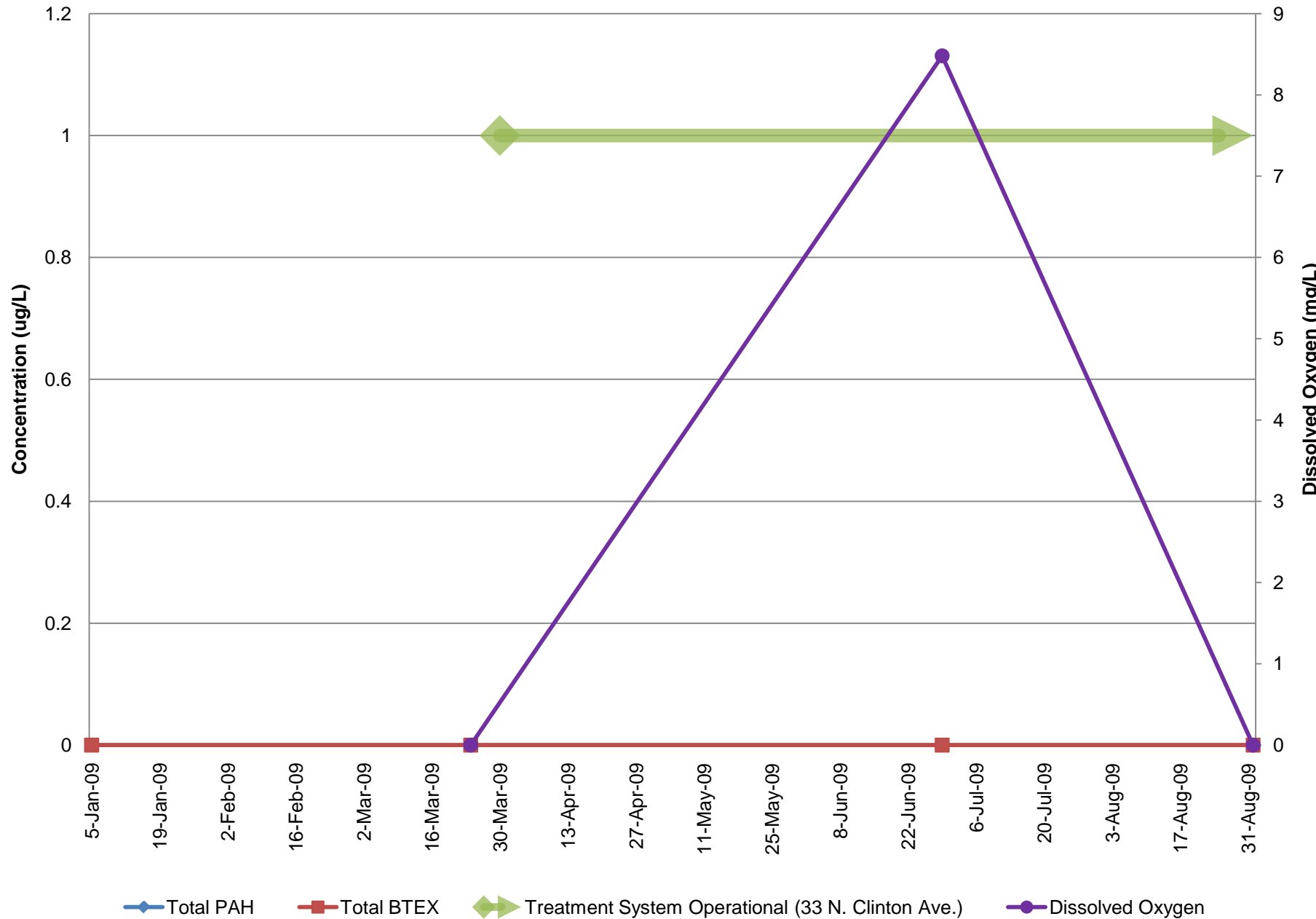
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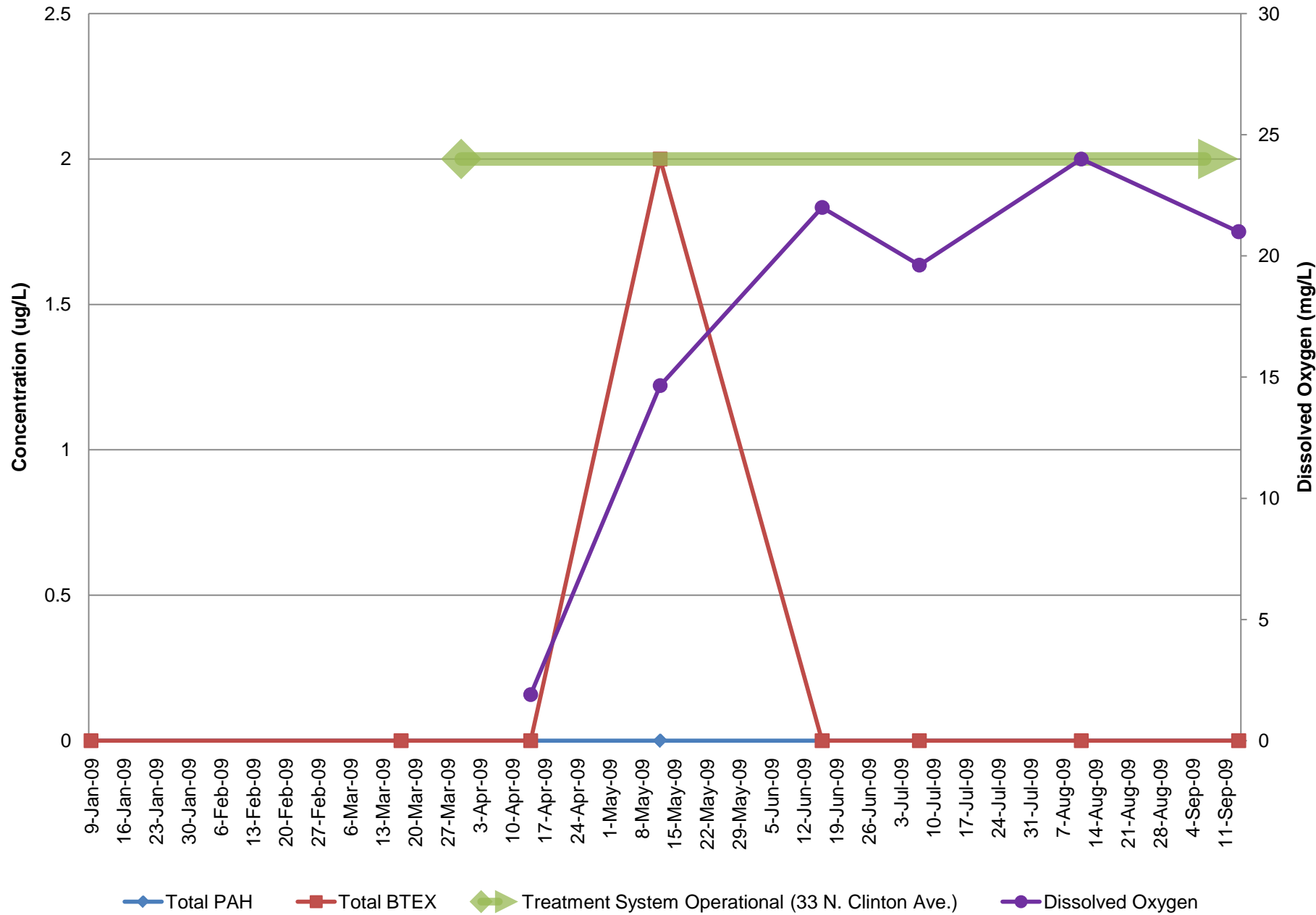
Monitoring Well OU2MW-38I2 46-51 ft bgs



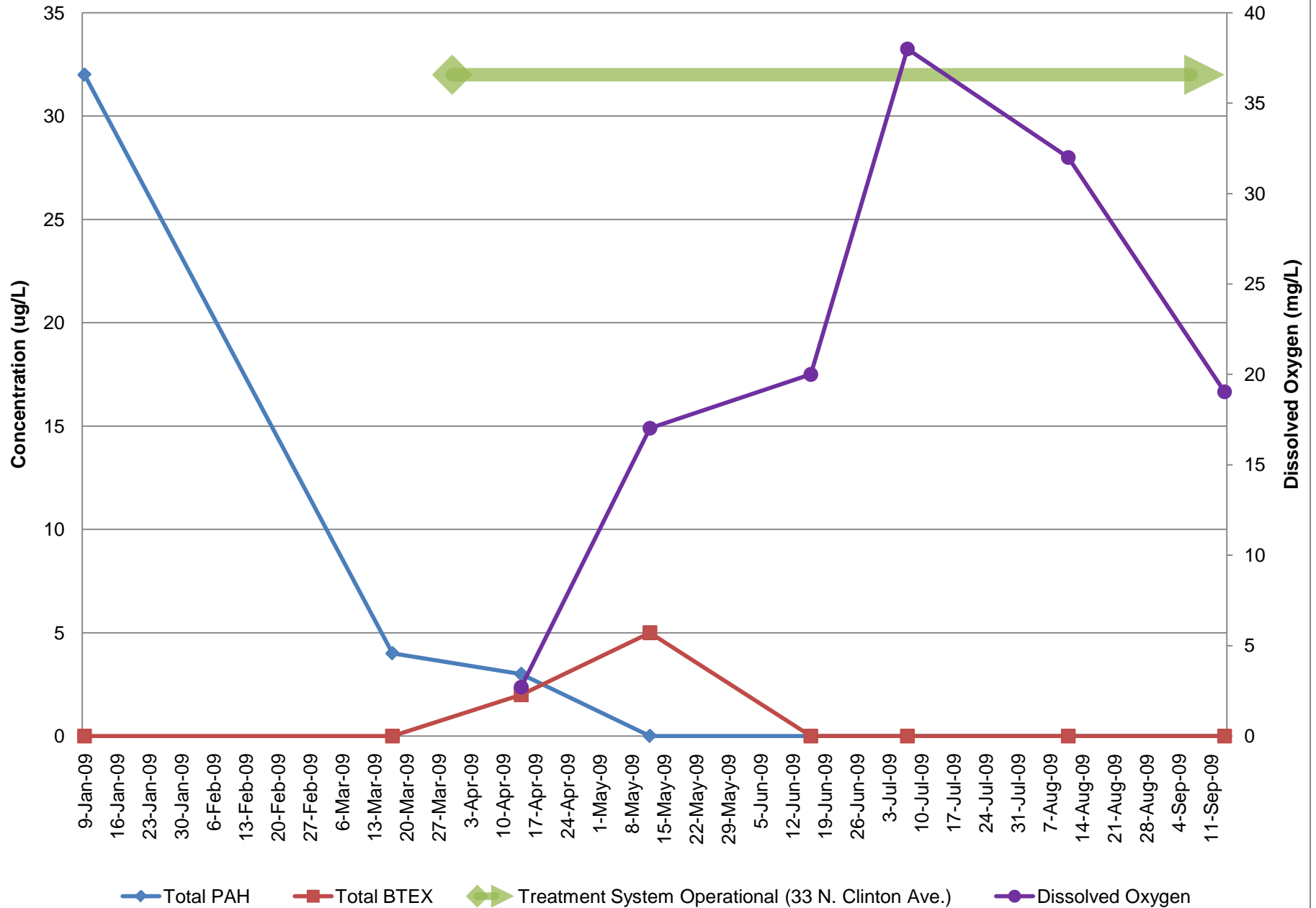
Monitoring Well OU2MW-38D 56-61 ft bgs



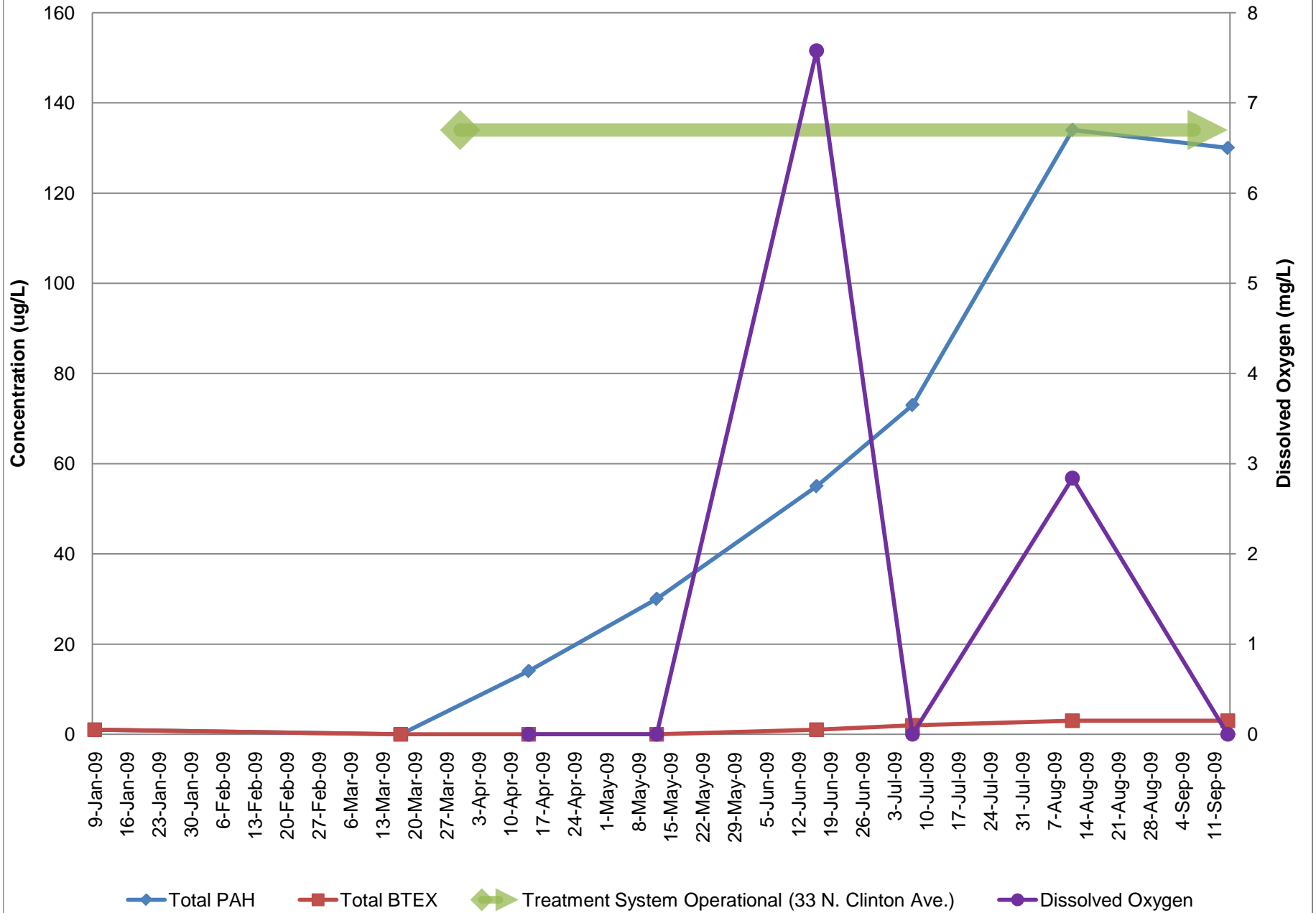
Monitoring Well OU2MW-39S 5-15 ft bgs



Monitoring Well OU2MW-39I 25-30 ft bgs



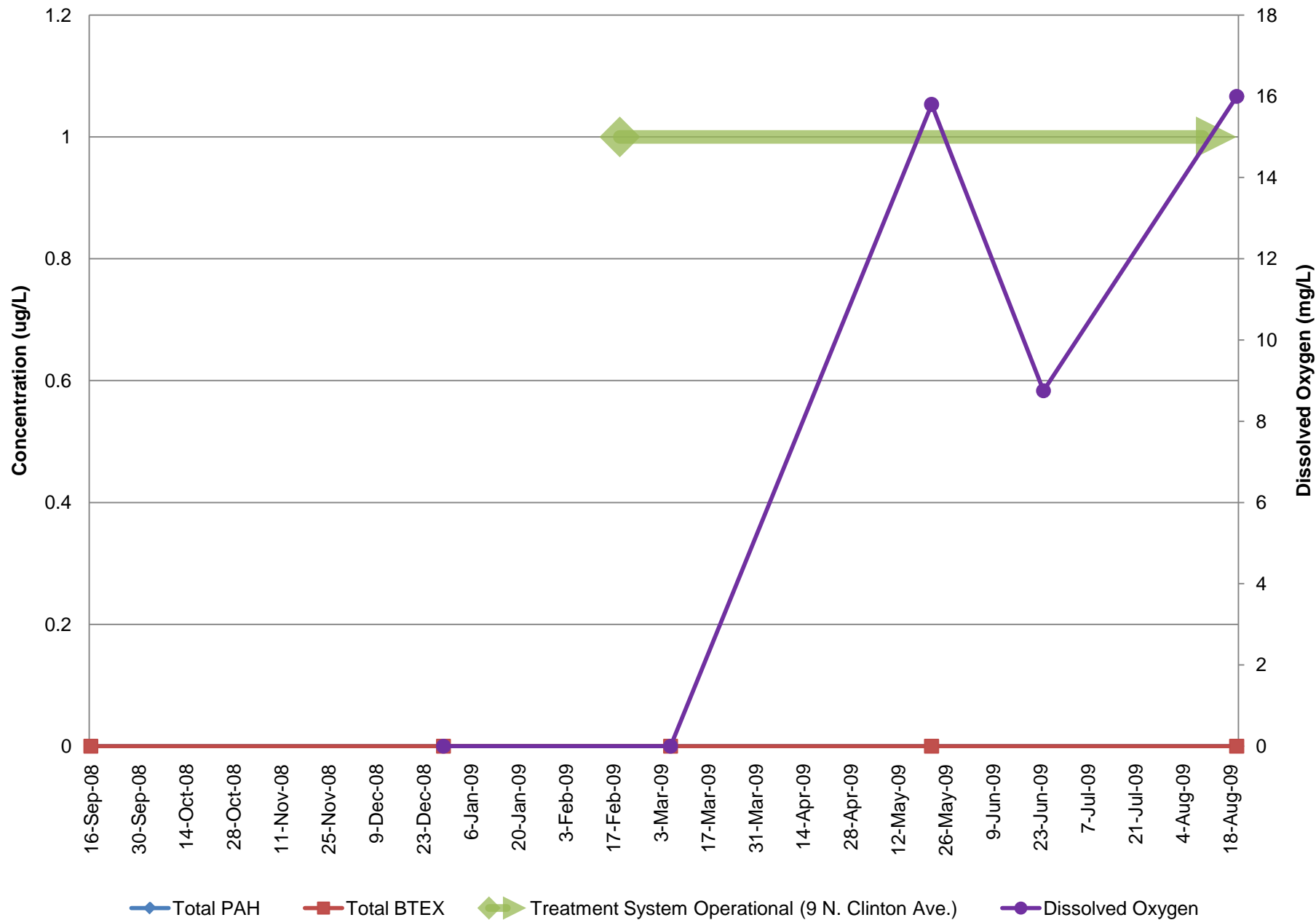
Monitoring Well OU2MW-39I2 45-50 ft bgs



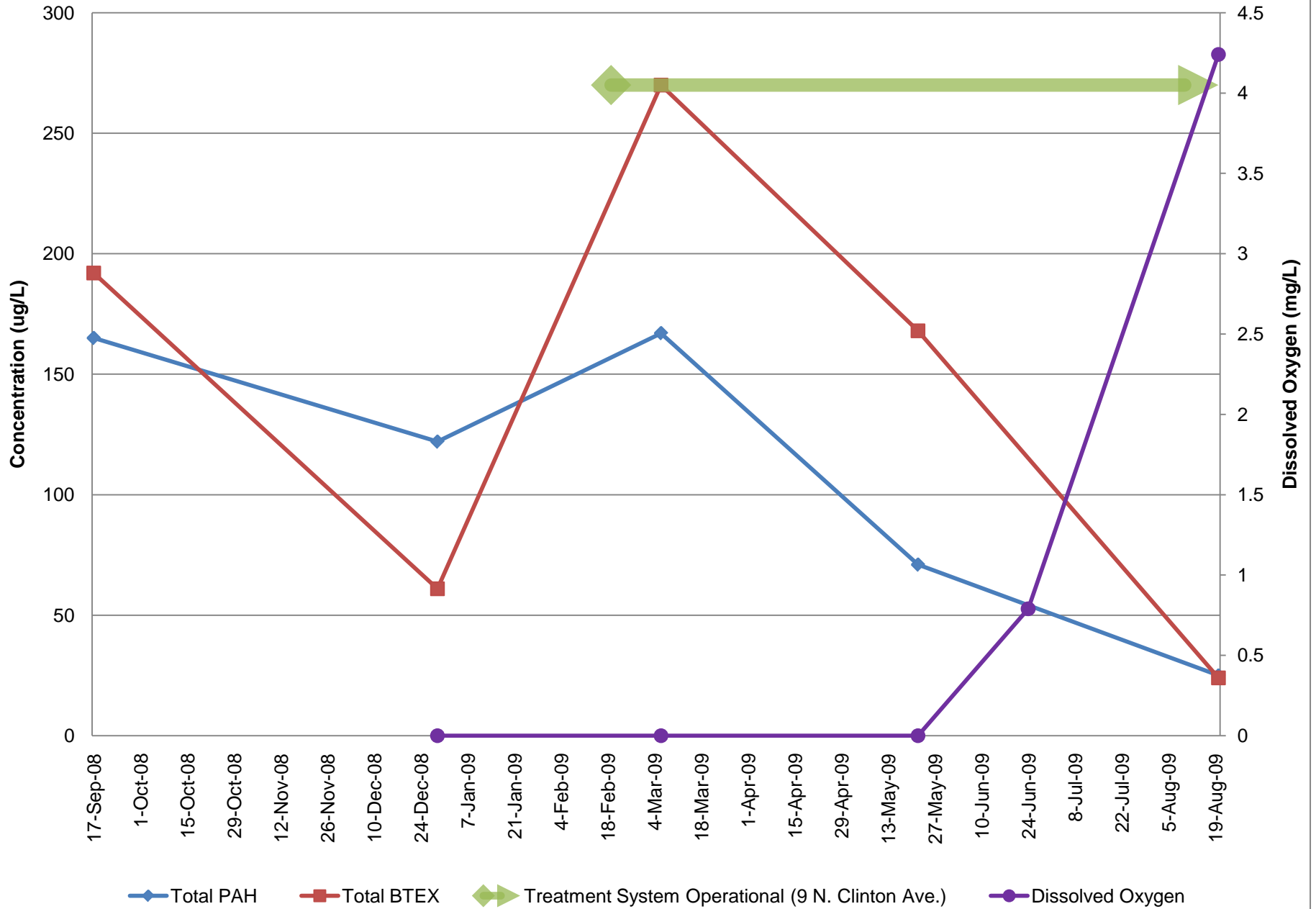
Monitoring Well OU2MW-39D 70-75 ft bgs



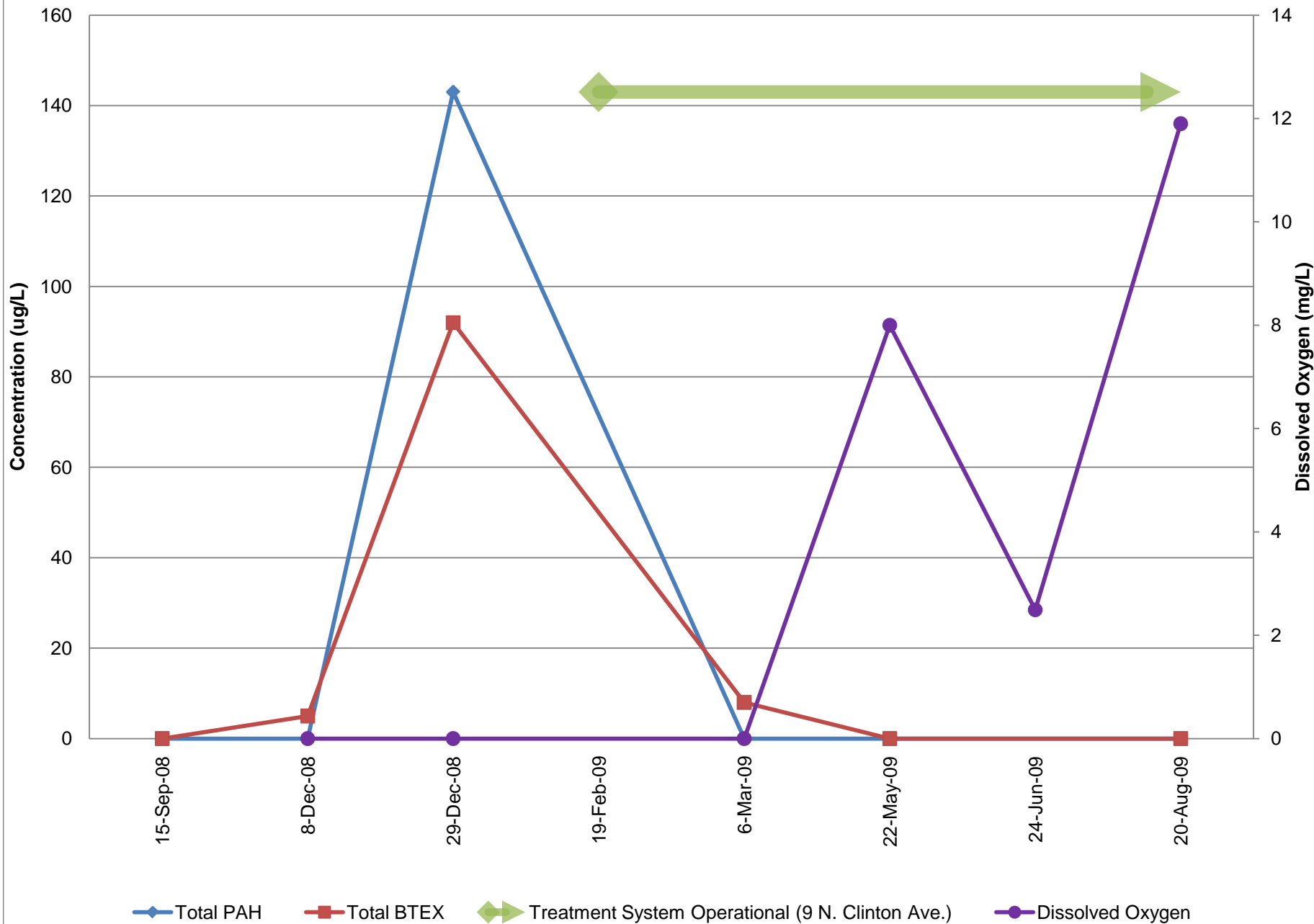
Monitoring Well OU2MW-40S 5-15 ft bgs



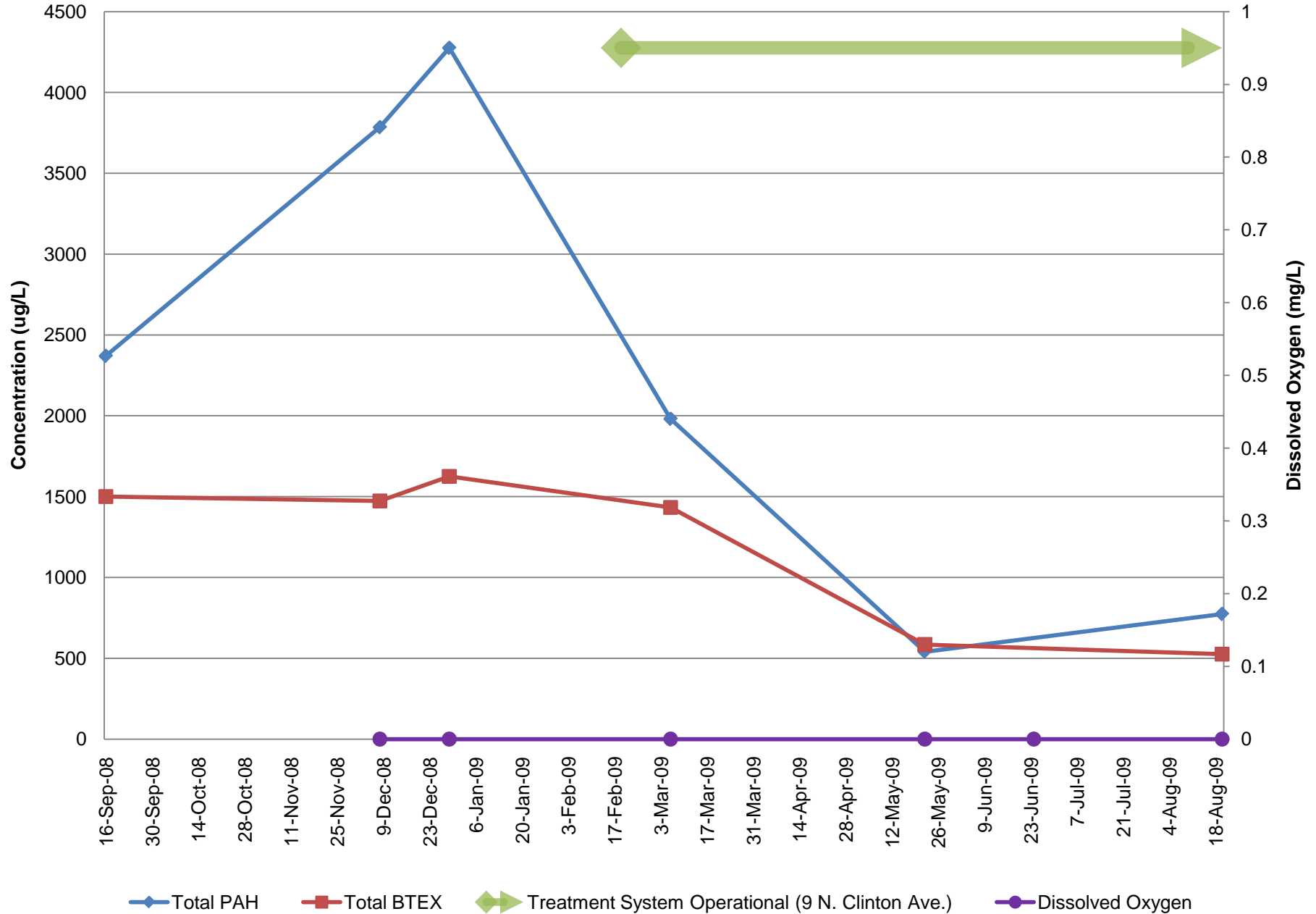
Monitoring Well OU2MW-40I 18-23 ft bgs



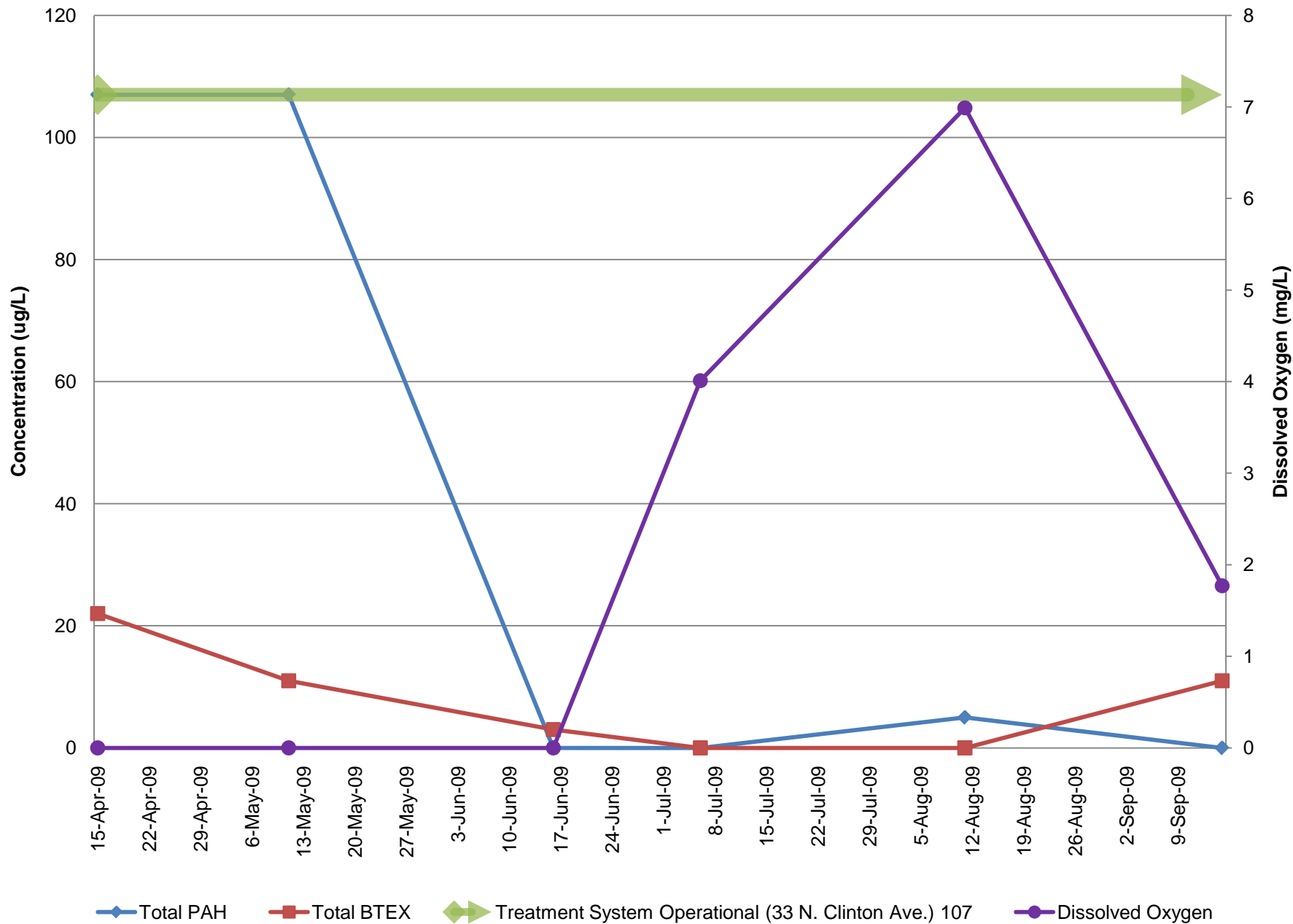
Monitoring Well OU2MW-41S 5-15 ft bgs



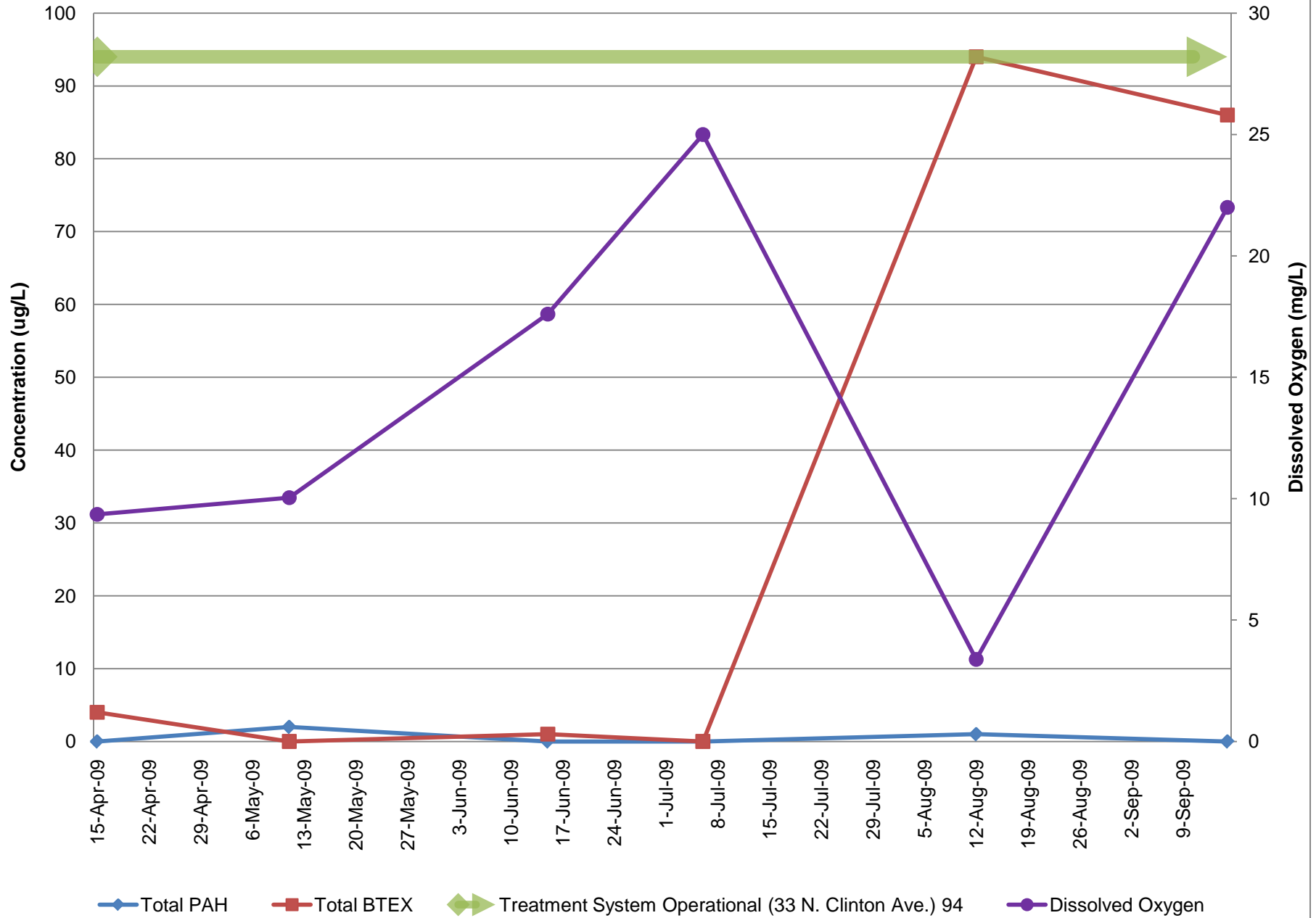
Monitoring Well OU2MW-41I 18-23 ft bgs



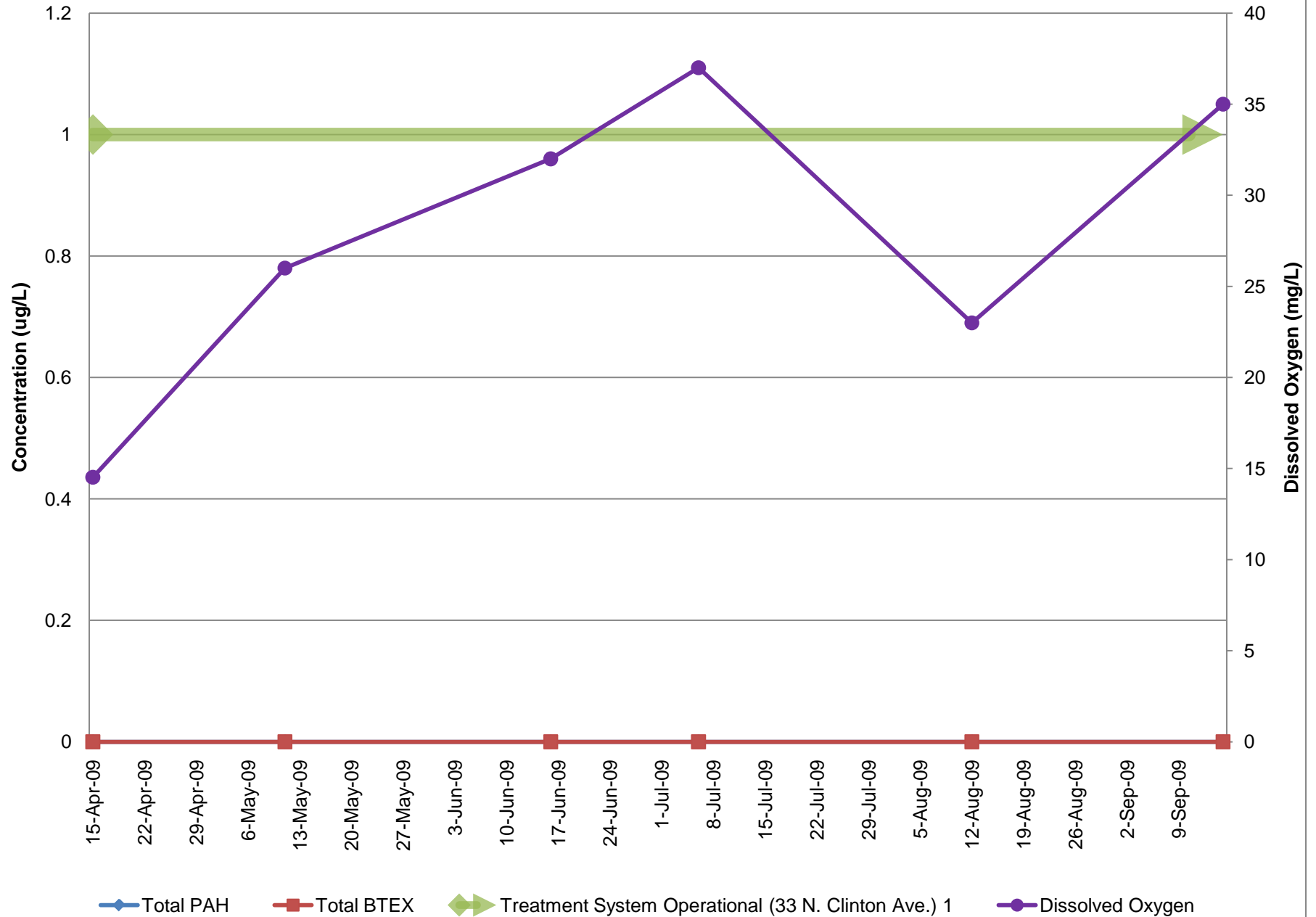
Monitoring Well OU2MW-42S 5-15 ft bgs



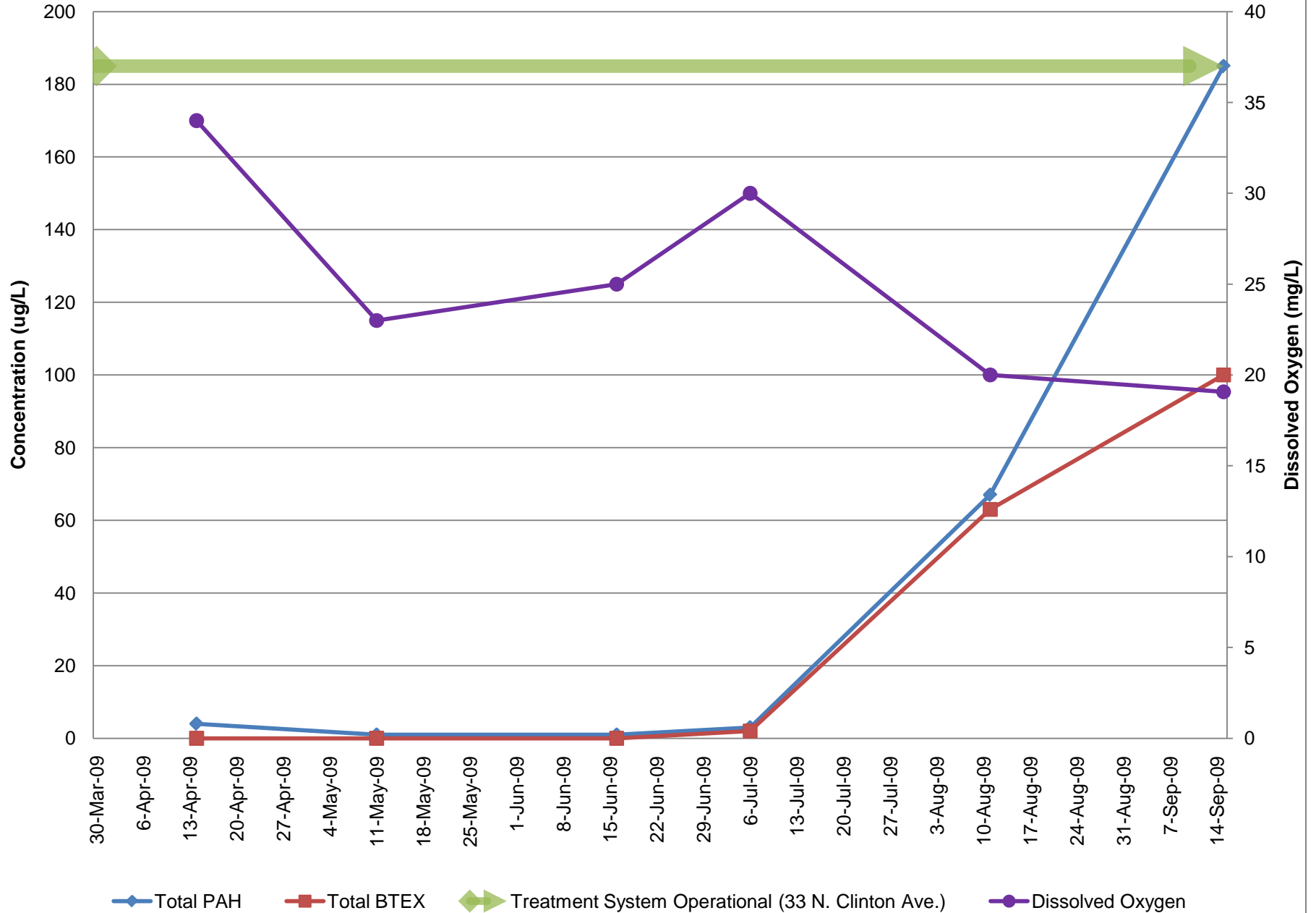
Monitoring Well OU2MW-42I 25-30 ft bgs



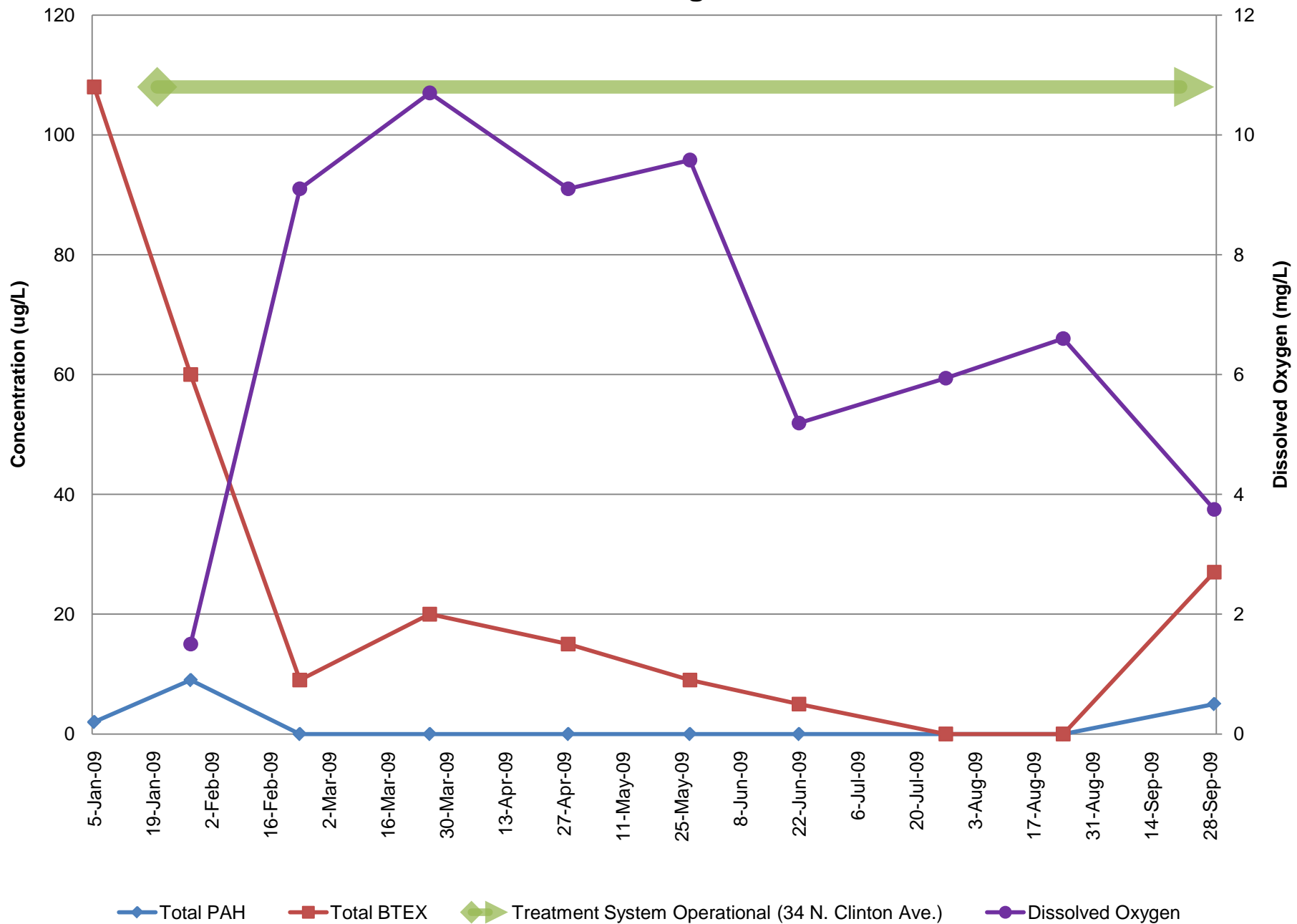
Monitoring Well OU2MW-42I2 40-45 ft bgs



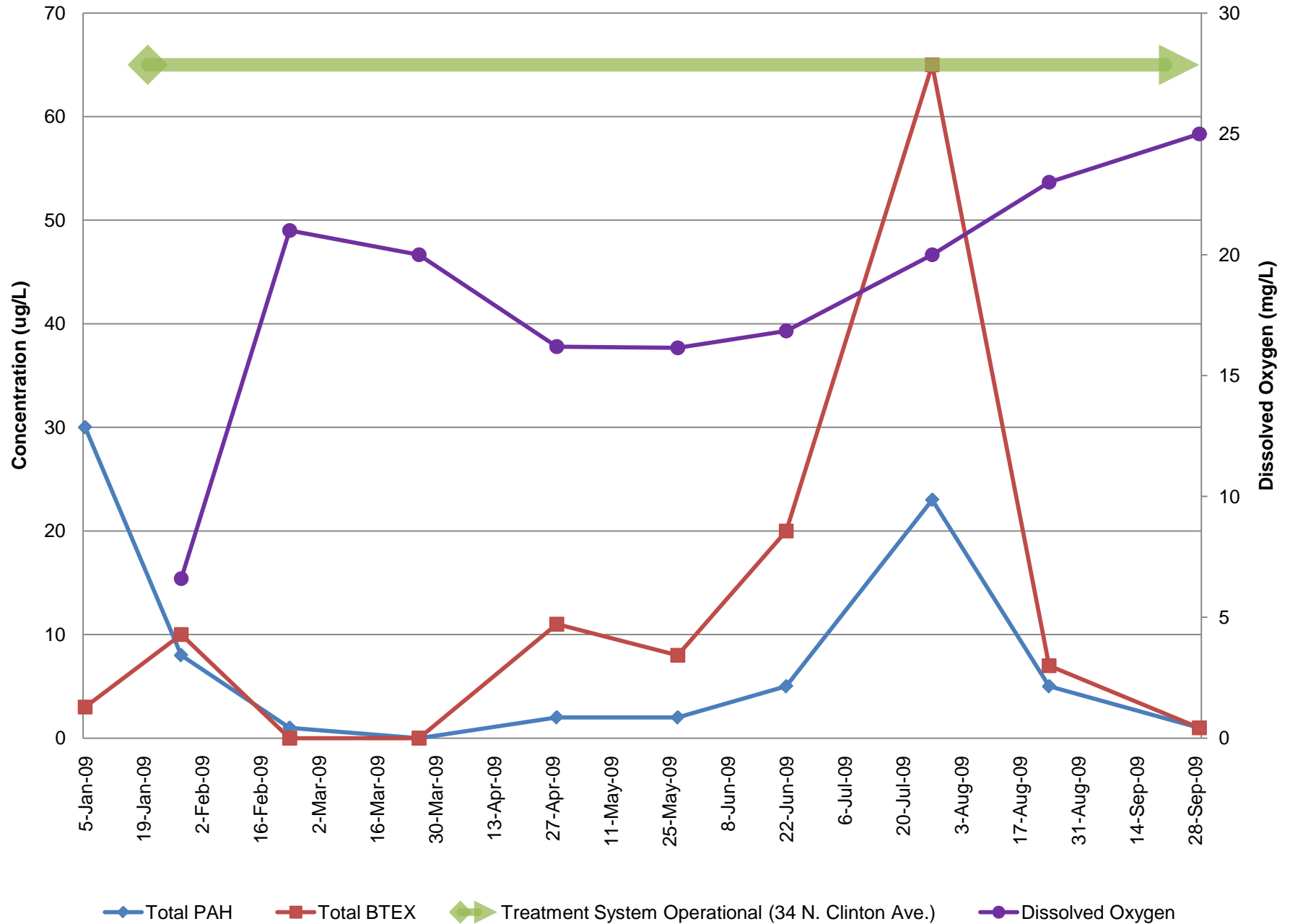
Monitoring Well OU2MW-42D 60-65 ft bgs



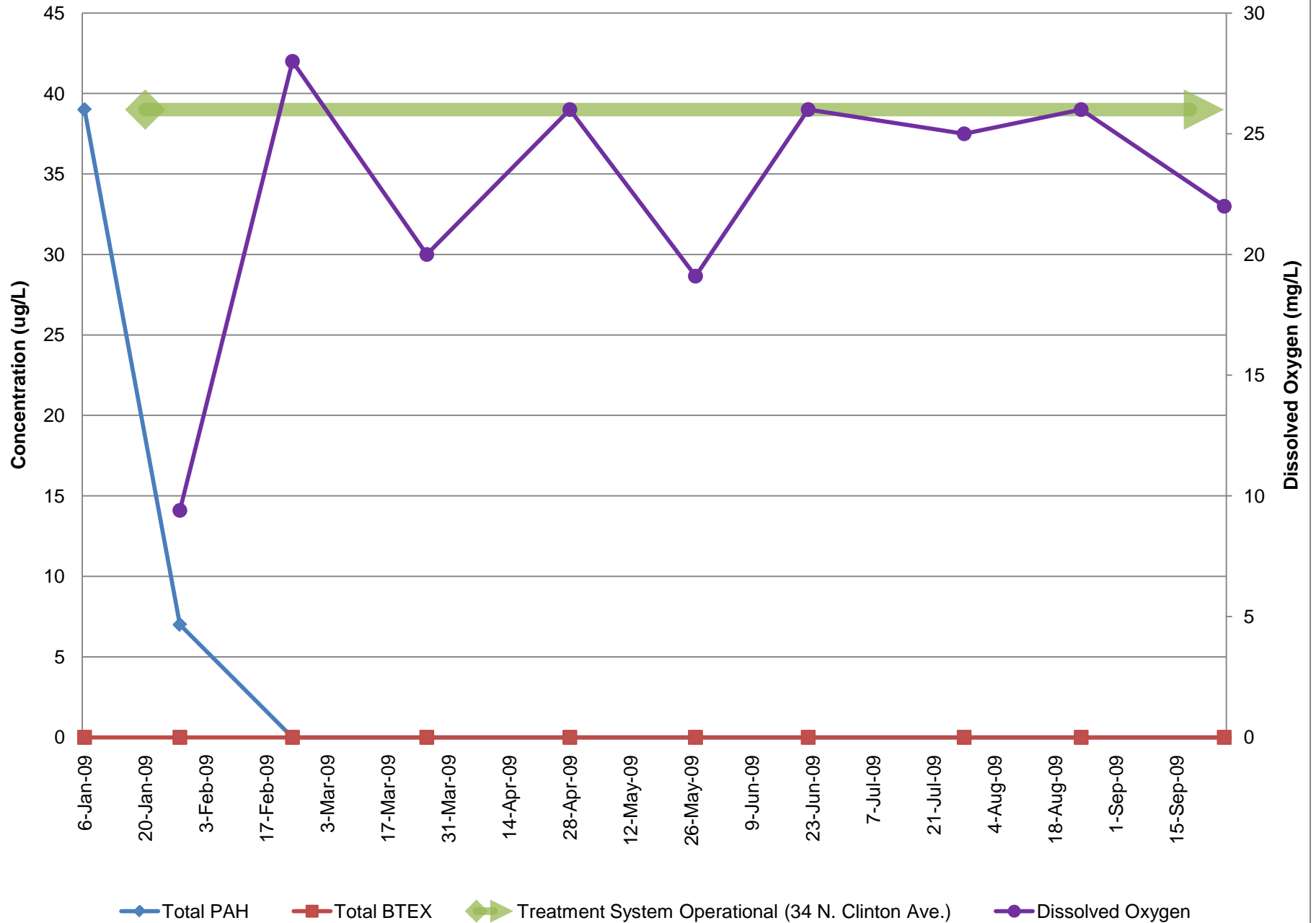
Monitoring Well OU2MW-45S 5-15 ft bgs



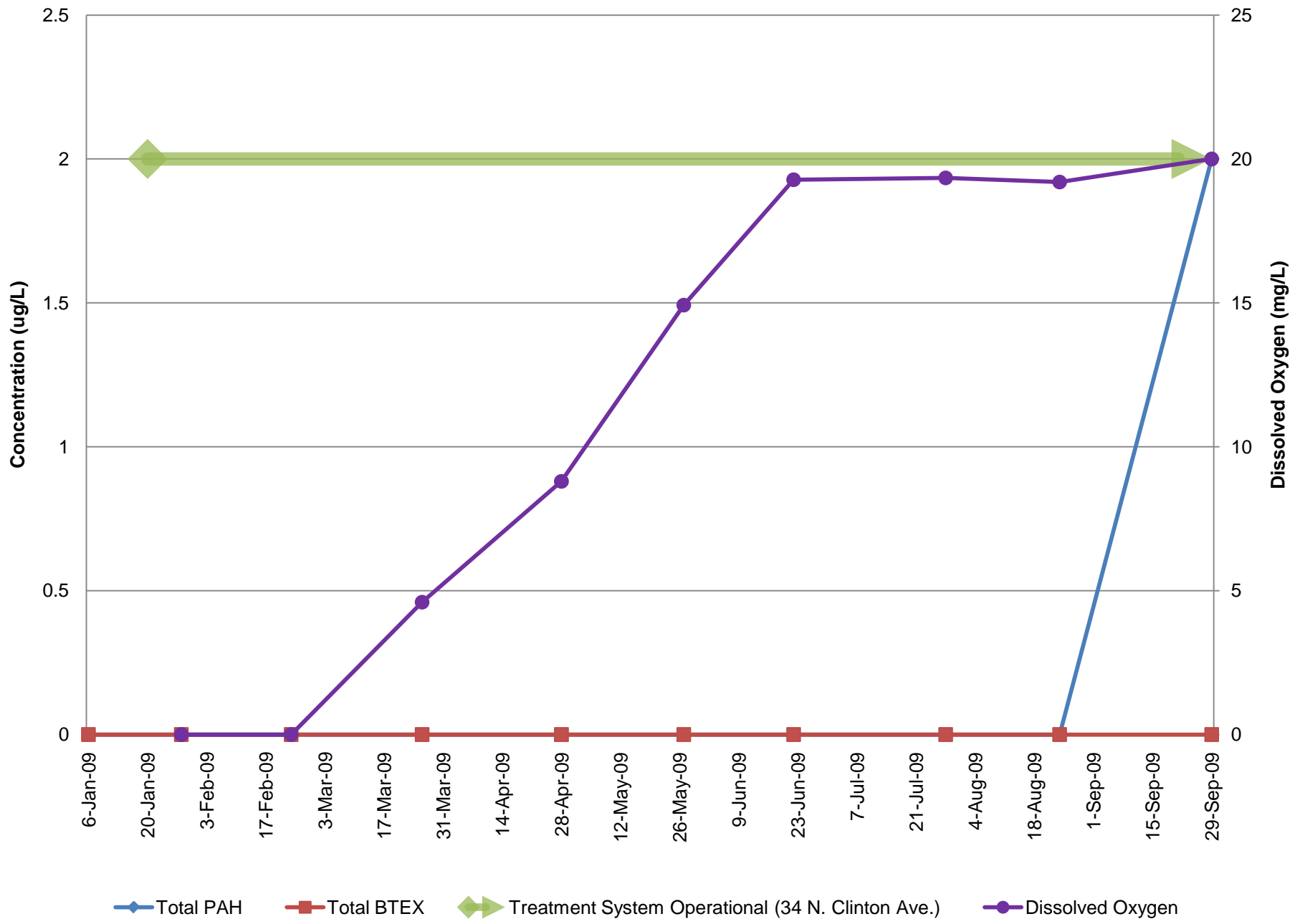
Monitoring Well OU2MW-45I 20-25 ft bgs



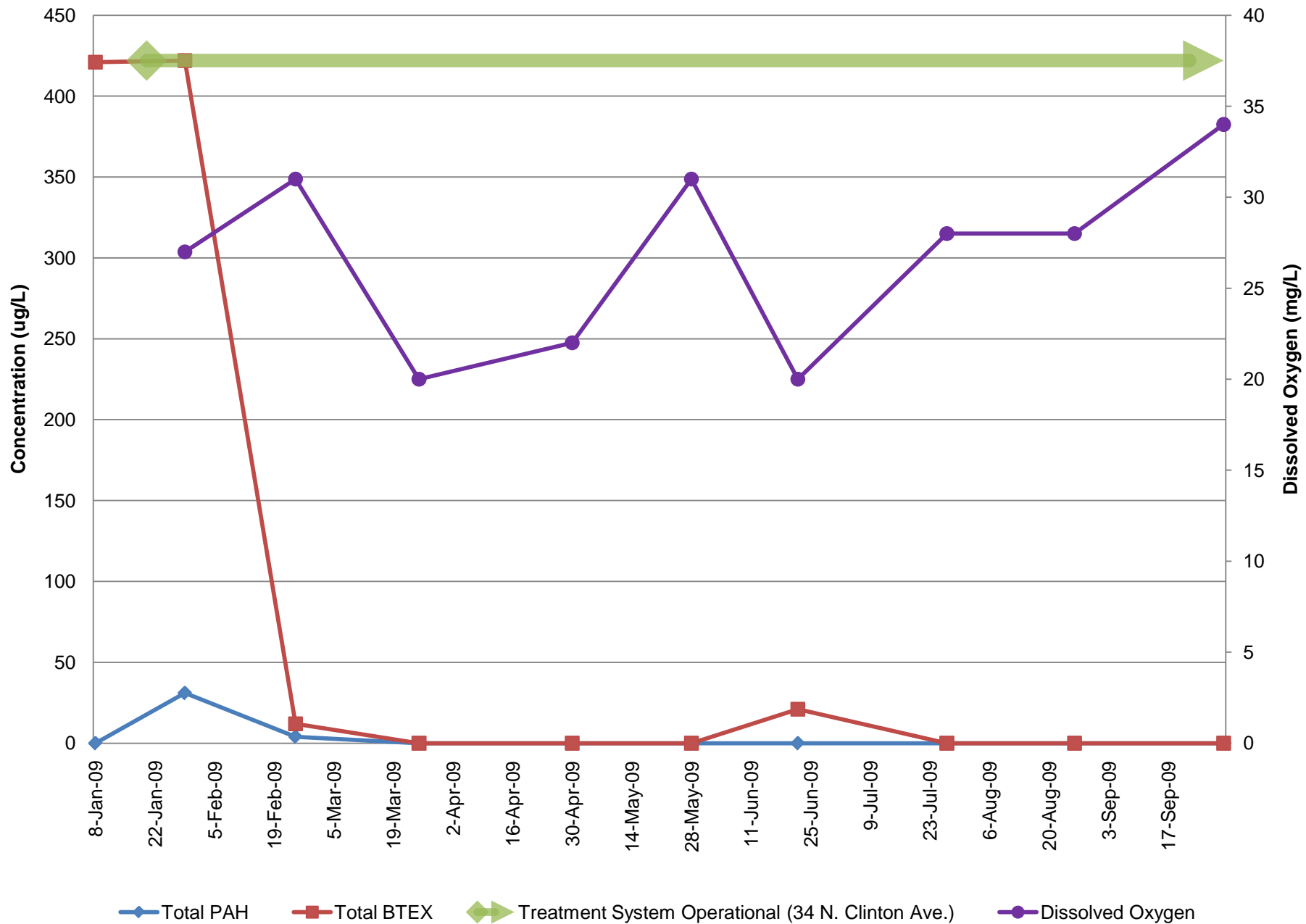
Monitoring Well OU2MW-45I2 40-45 ft bgs



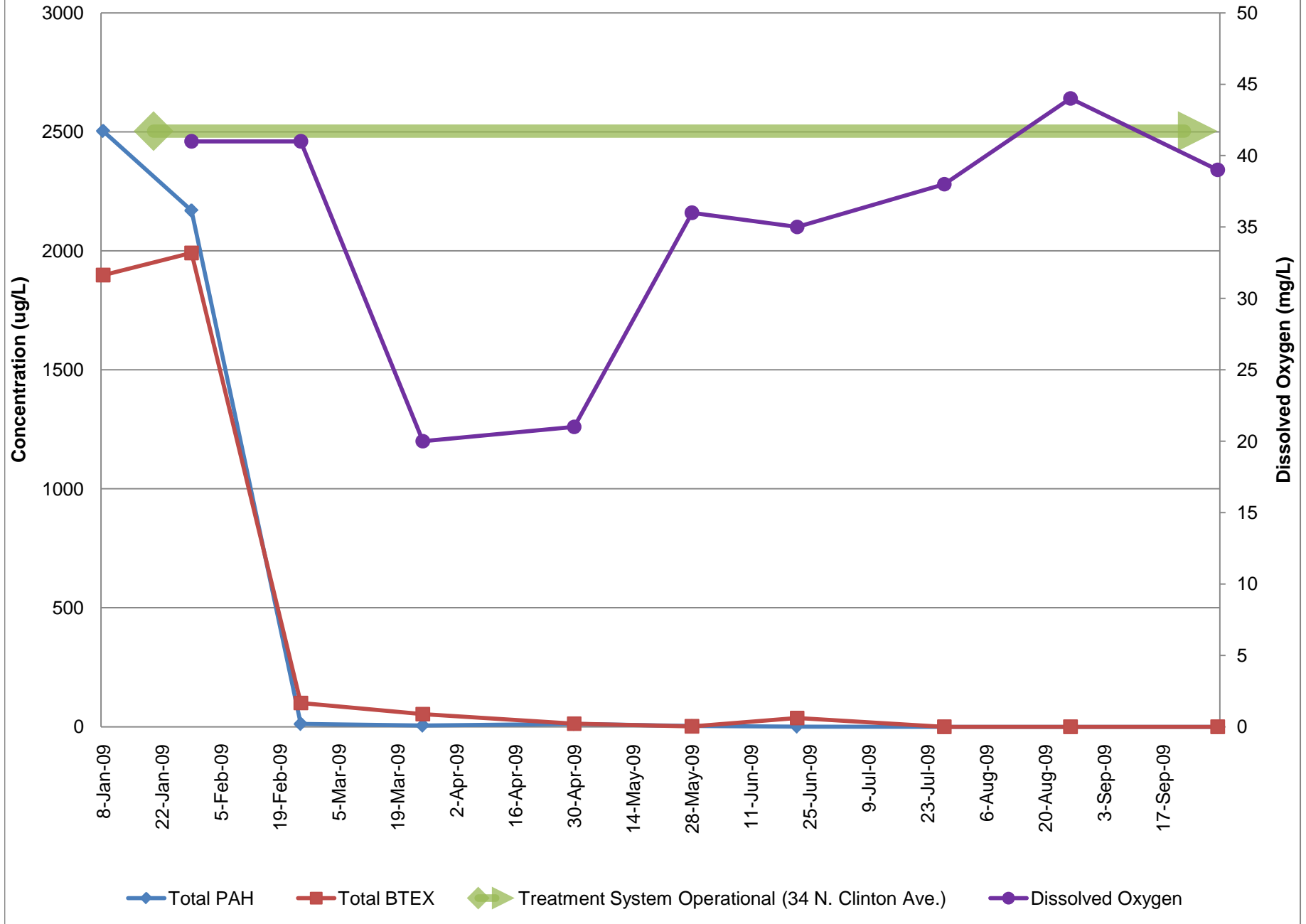
Monitoring Well OU2MW-45D 55-60 ft bgs



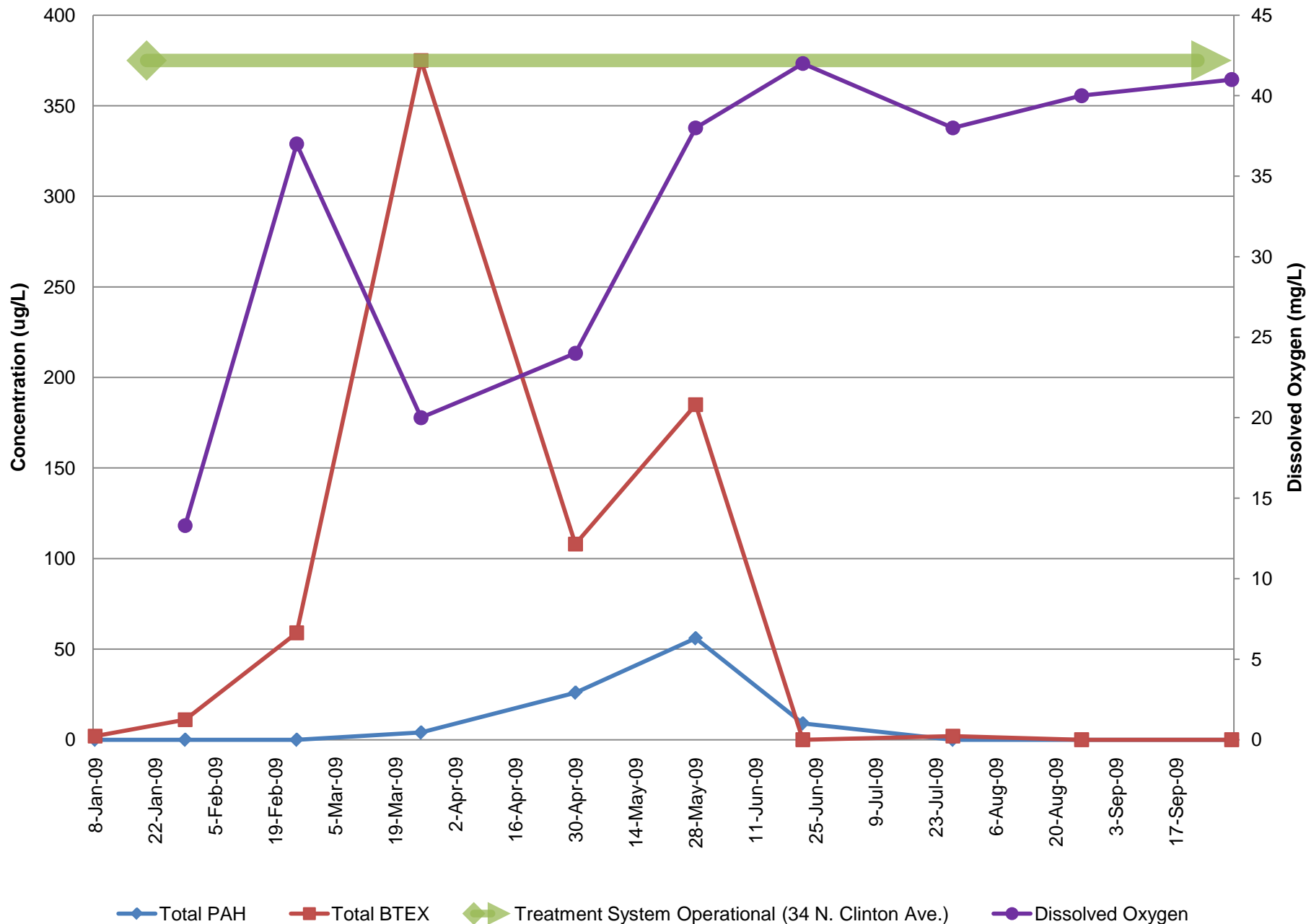
Monitoring Well OU2MW-46S 5-15 ft bgs



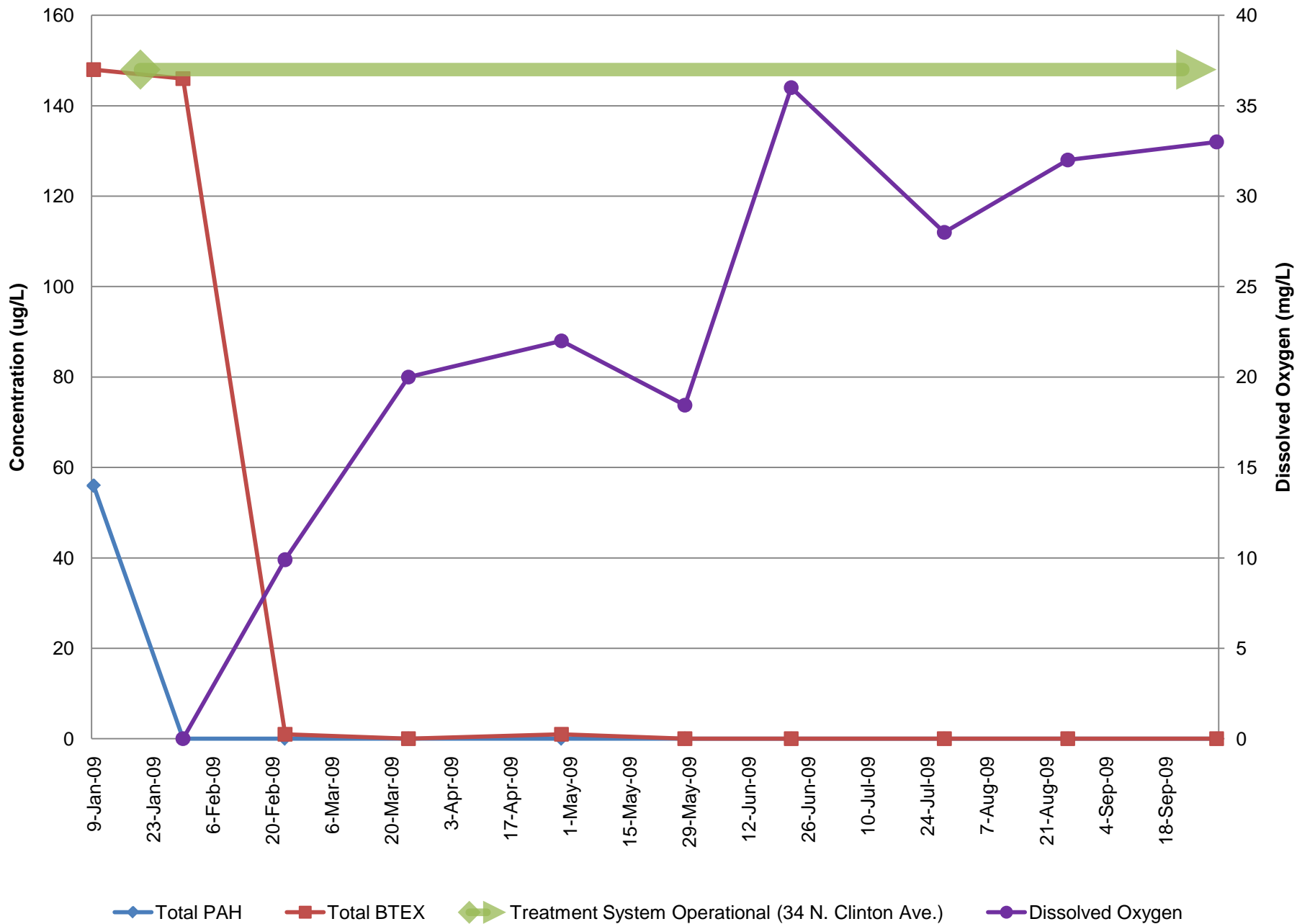
Monitoring Well OU2MW-46I 20-25 ft bgs



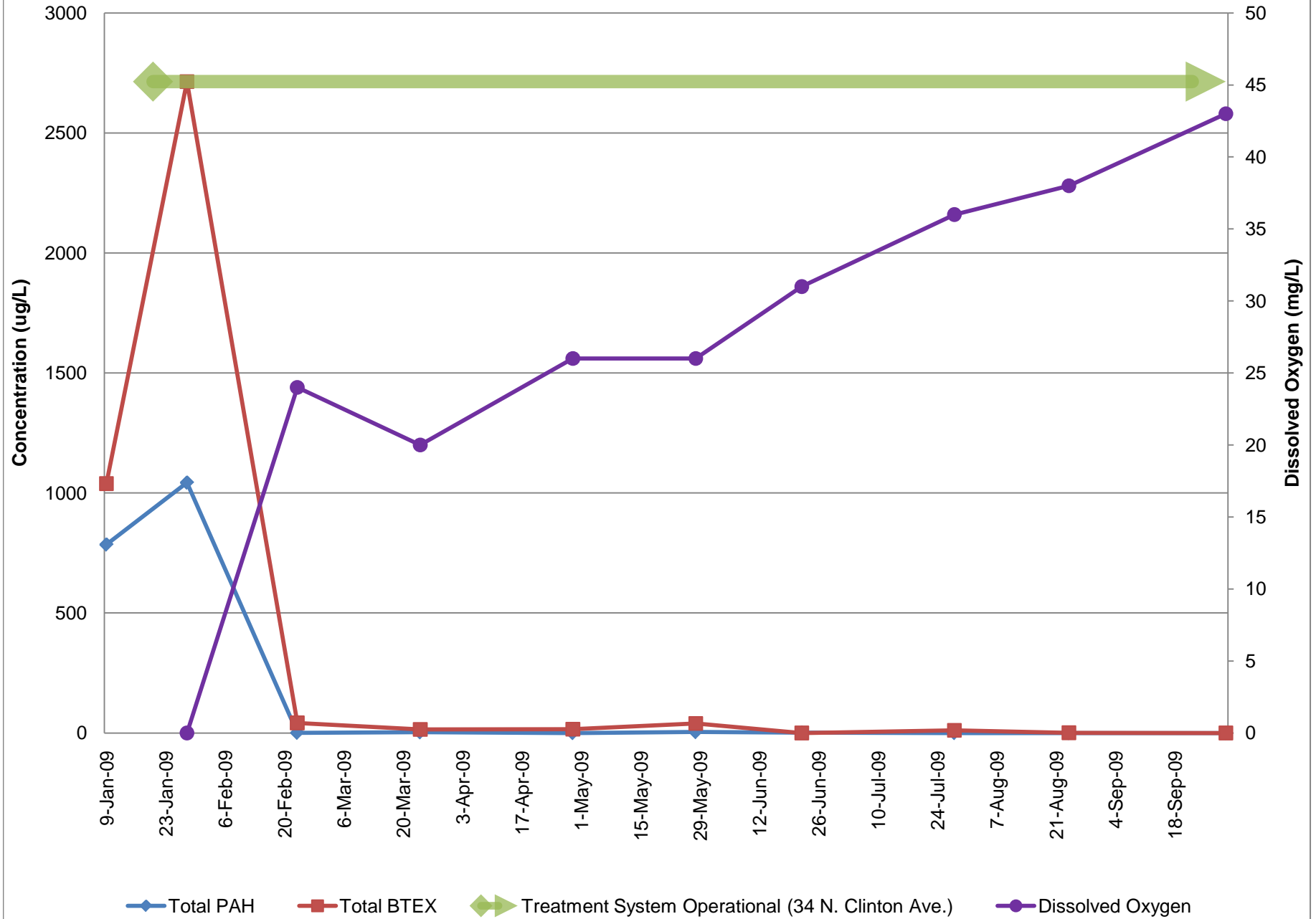
Monitoring Well OU2MW-46I2 40-45 ft bgs



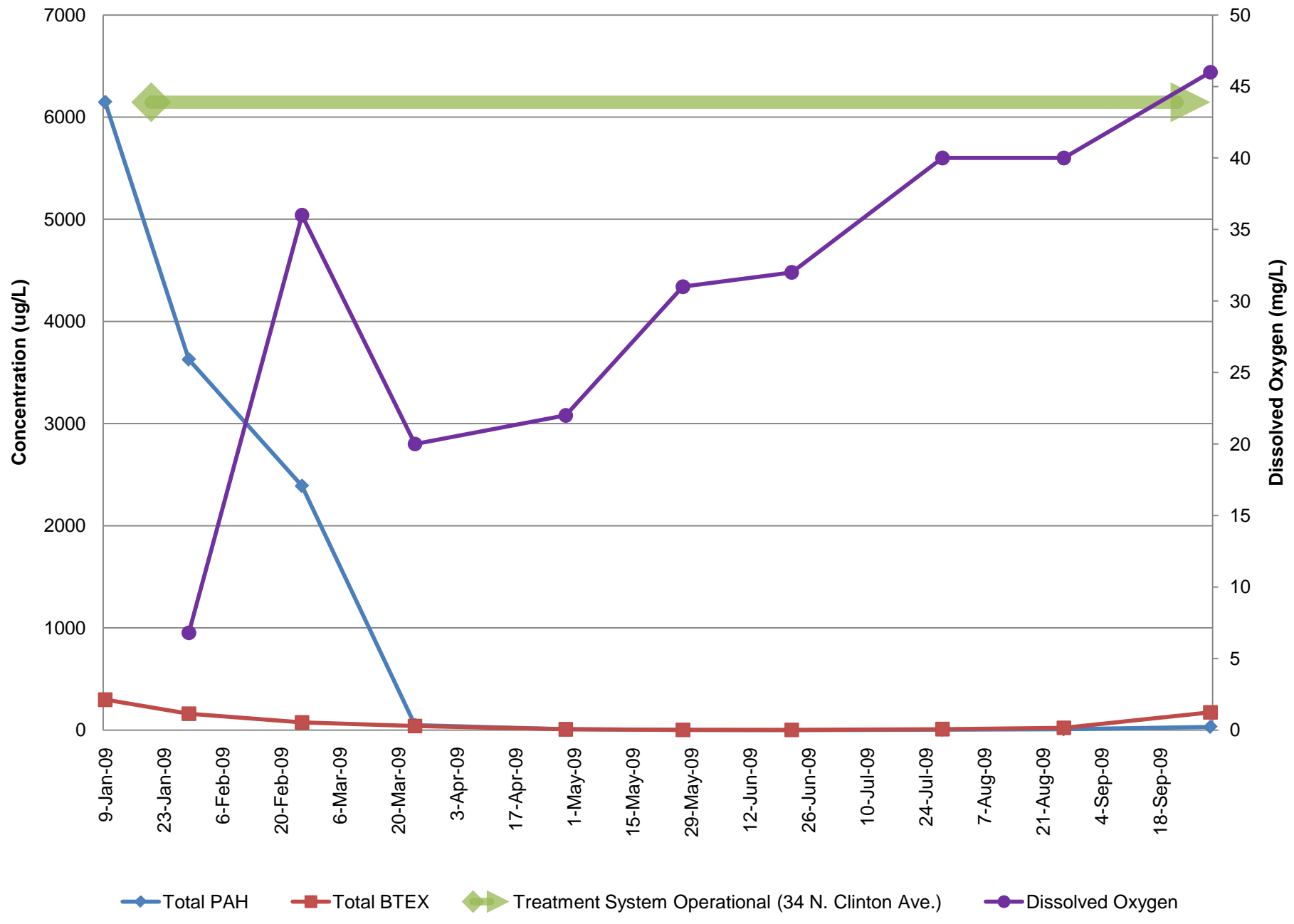
Monitoring Well OU2MW-47S 5-15 ft bgs



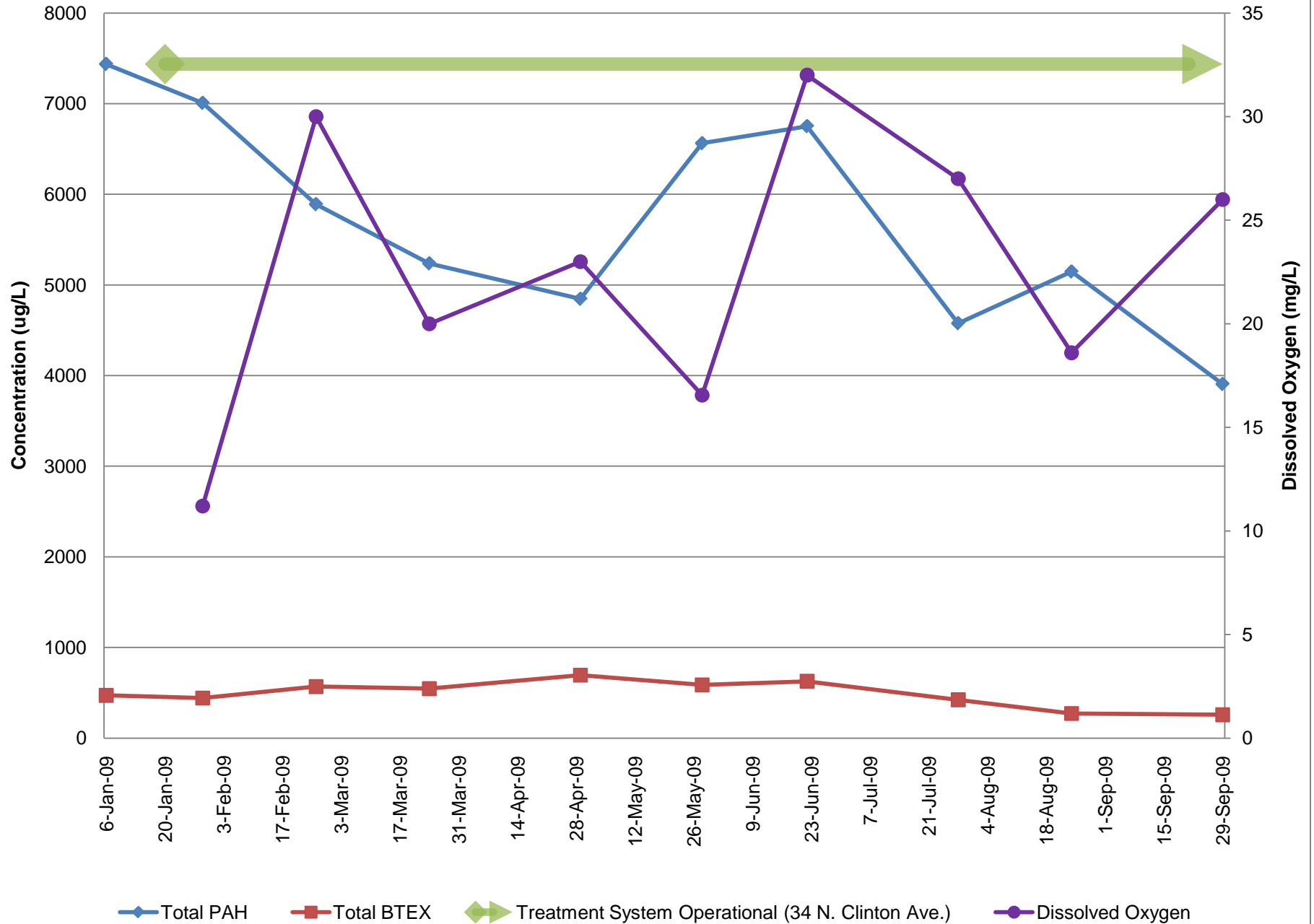
Monitoring Well OU2MW-47I 20-25 ft bgs



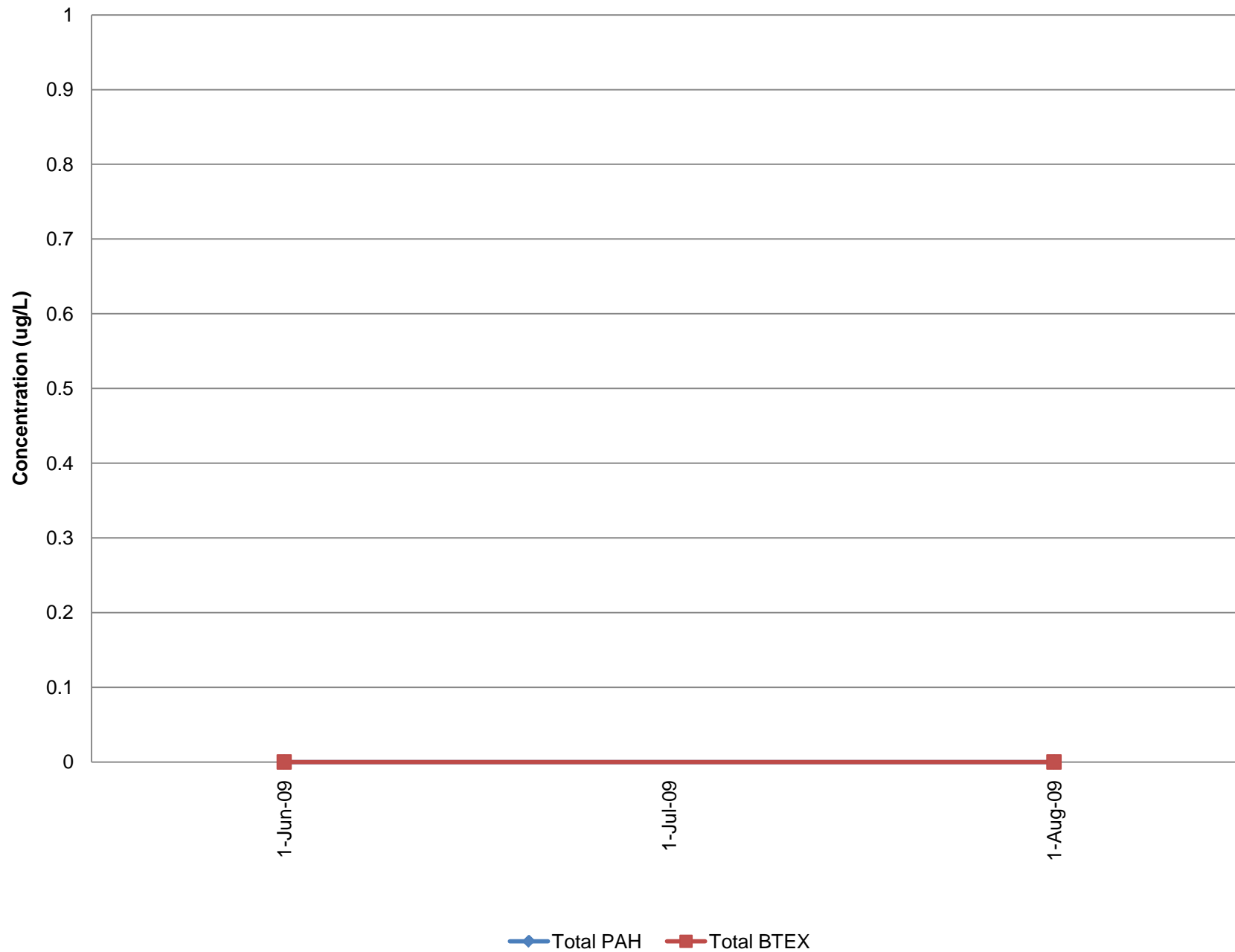
Monitoring Well OU2MW-4712 40-45 ft bgs



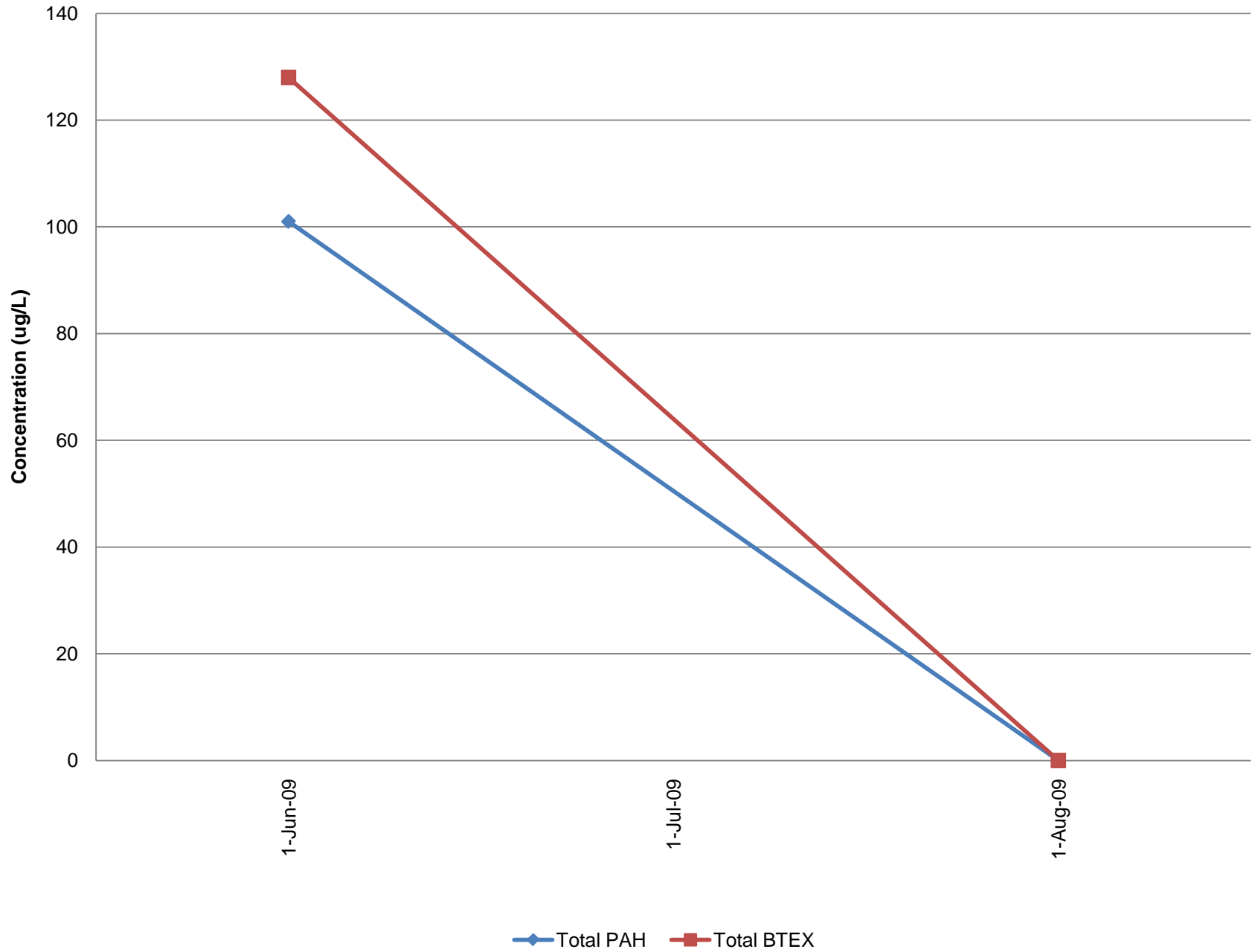
Monitoring Well OU2MW-47D 60-65 ft bgs



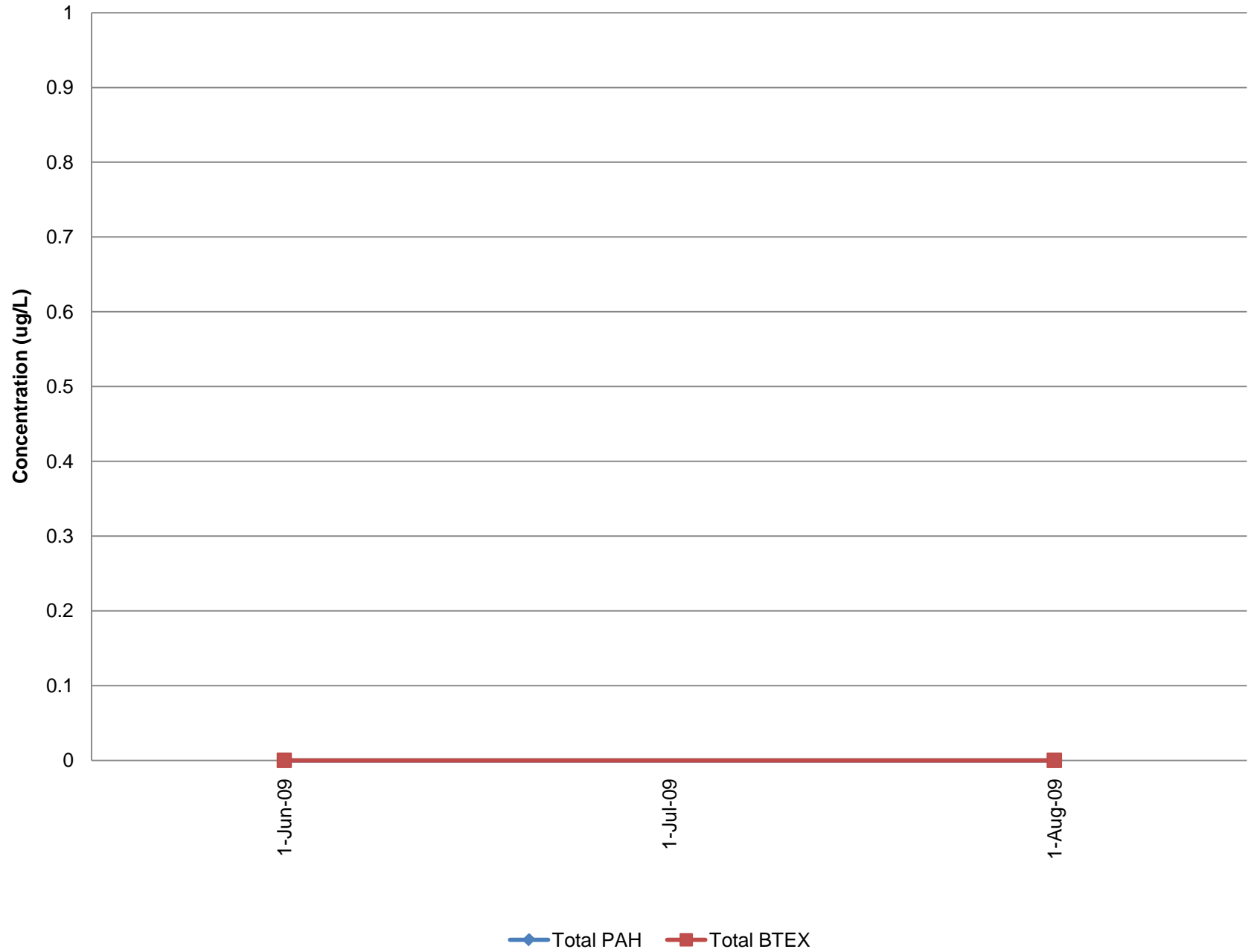
Monitoring Well OU2MW-52S 3-8 ft bgs



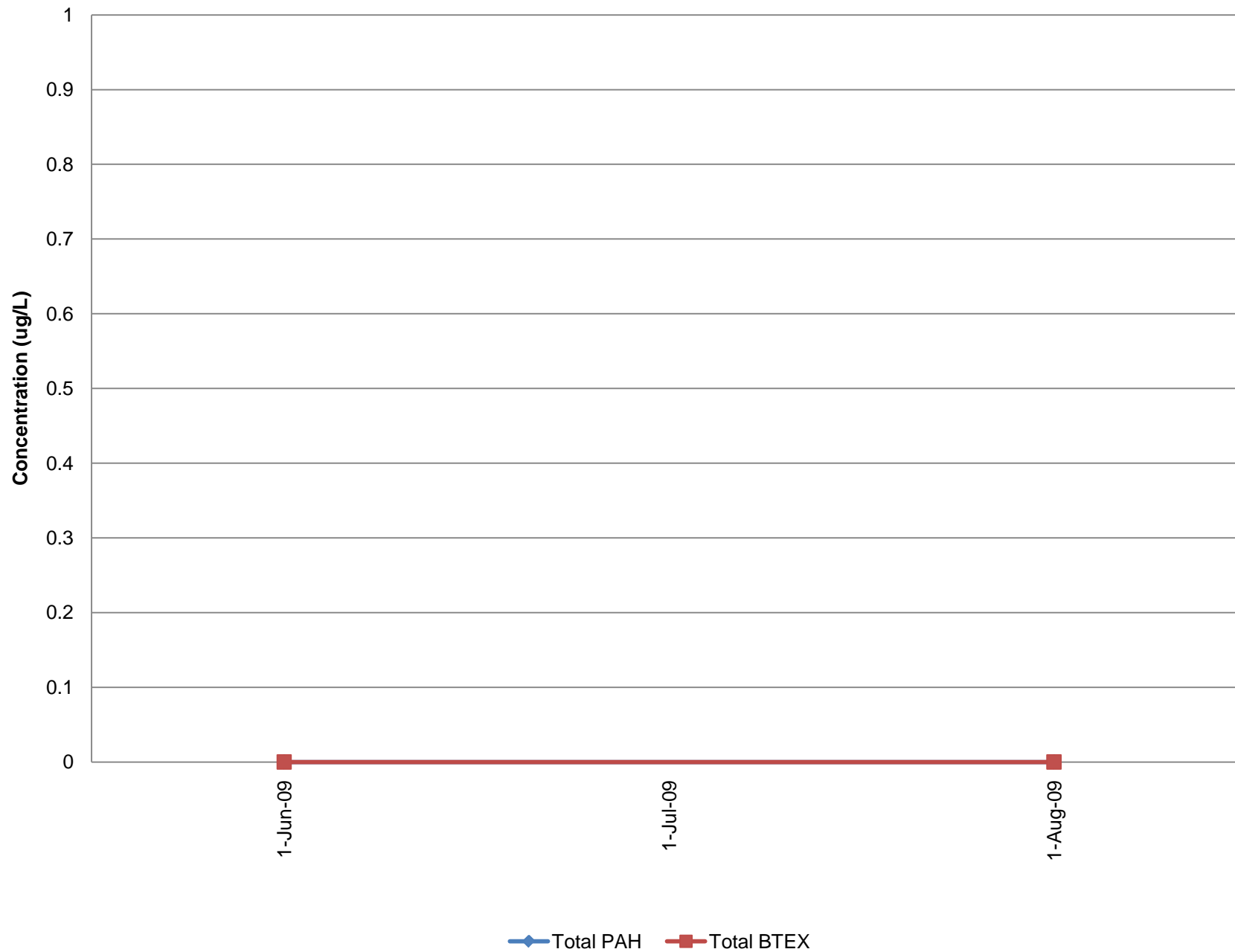
Monitoring Well OU2MW-52I 20-25 ft bgs



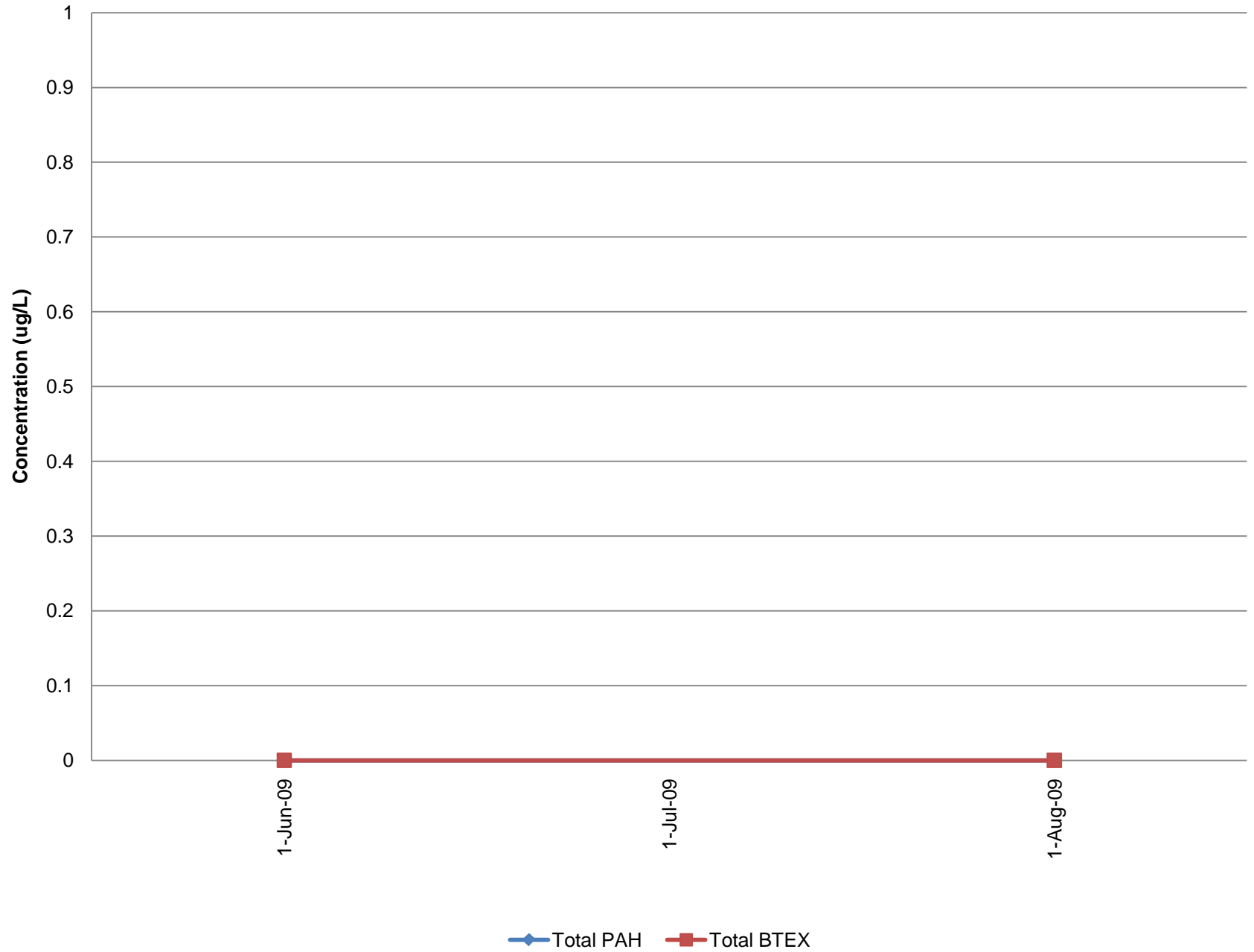
Monitoring Well OU2MW-52D 35-40 ft bgs



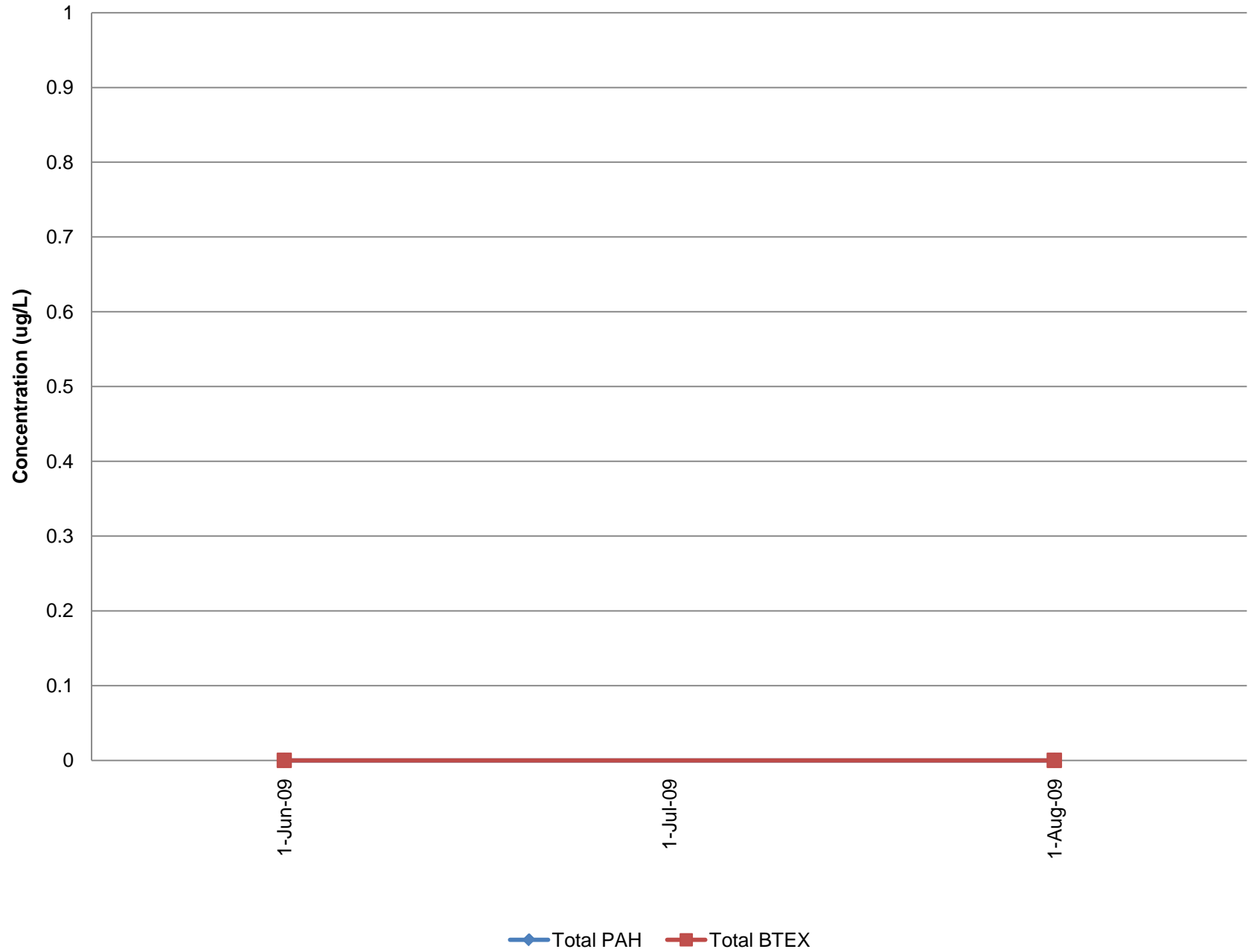
Monitoring Well OU2MW-53S 3-8 ft bgs



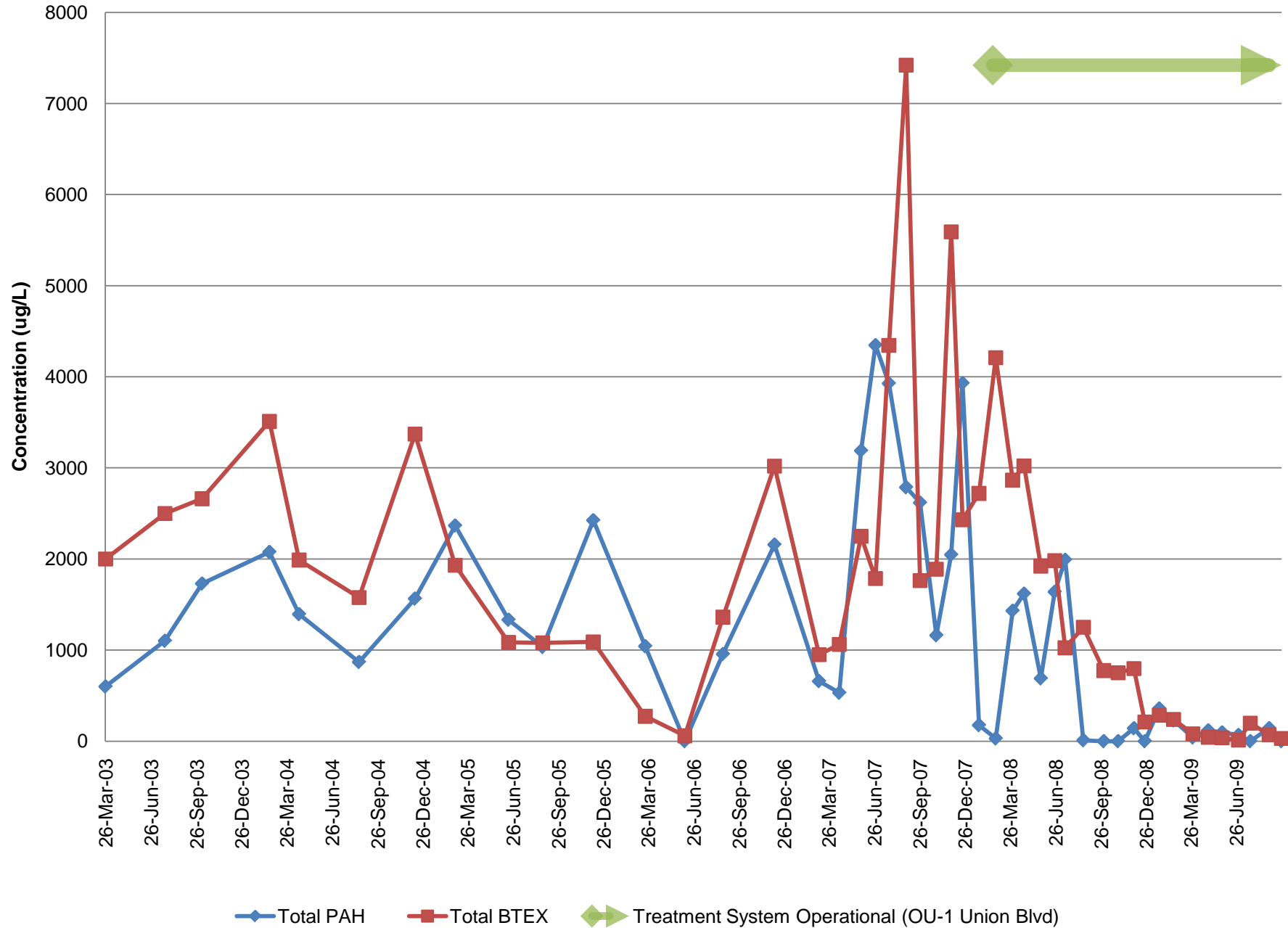
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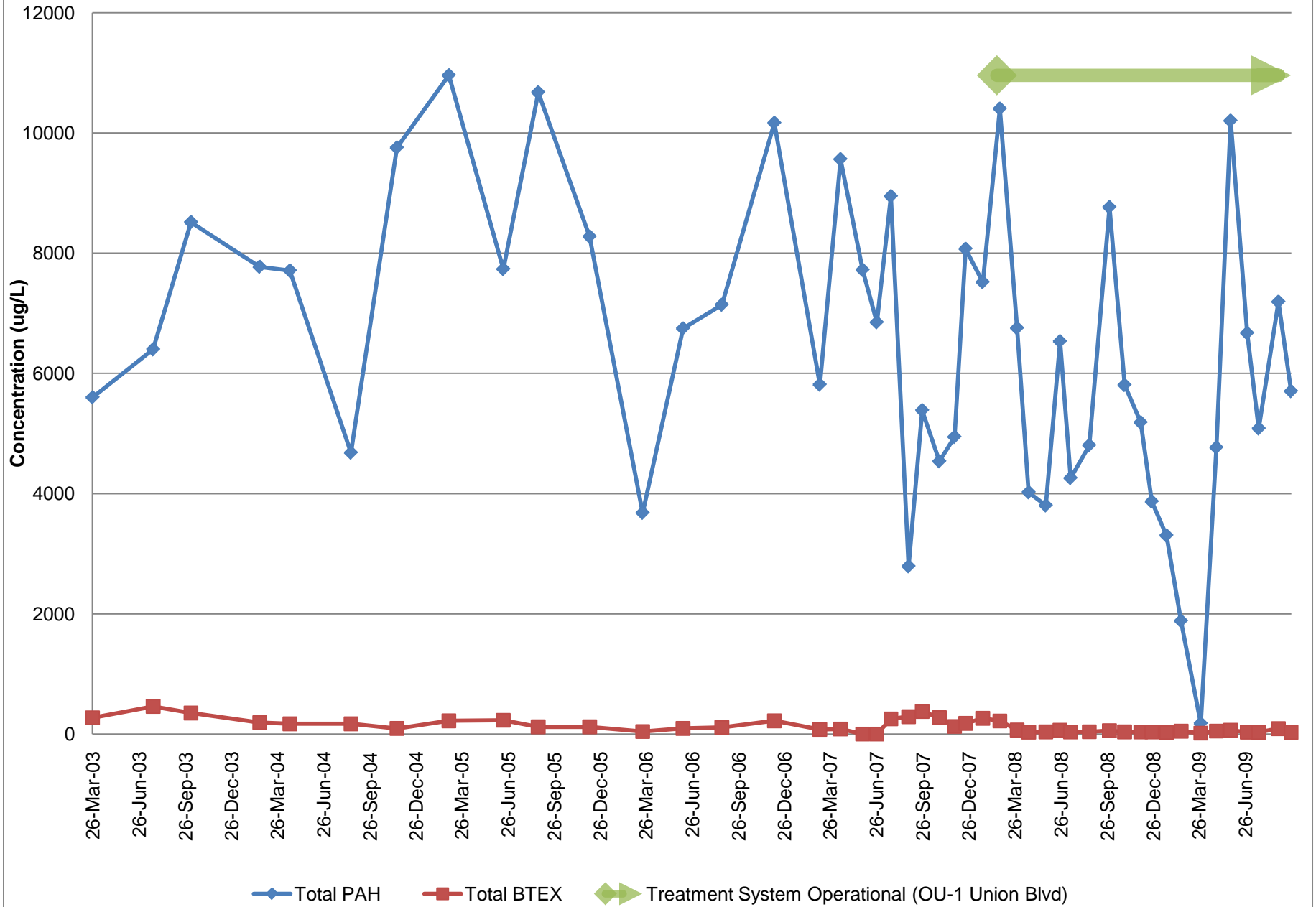
Monitoring Well OU2MW-53D 35-40 ft bgs



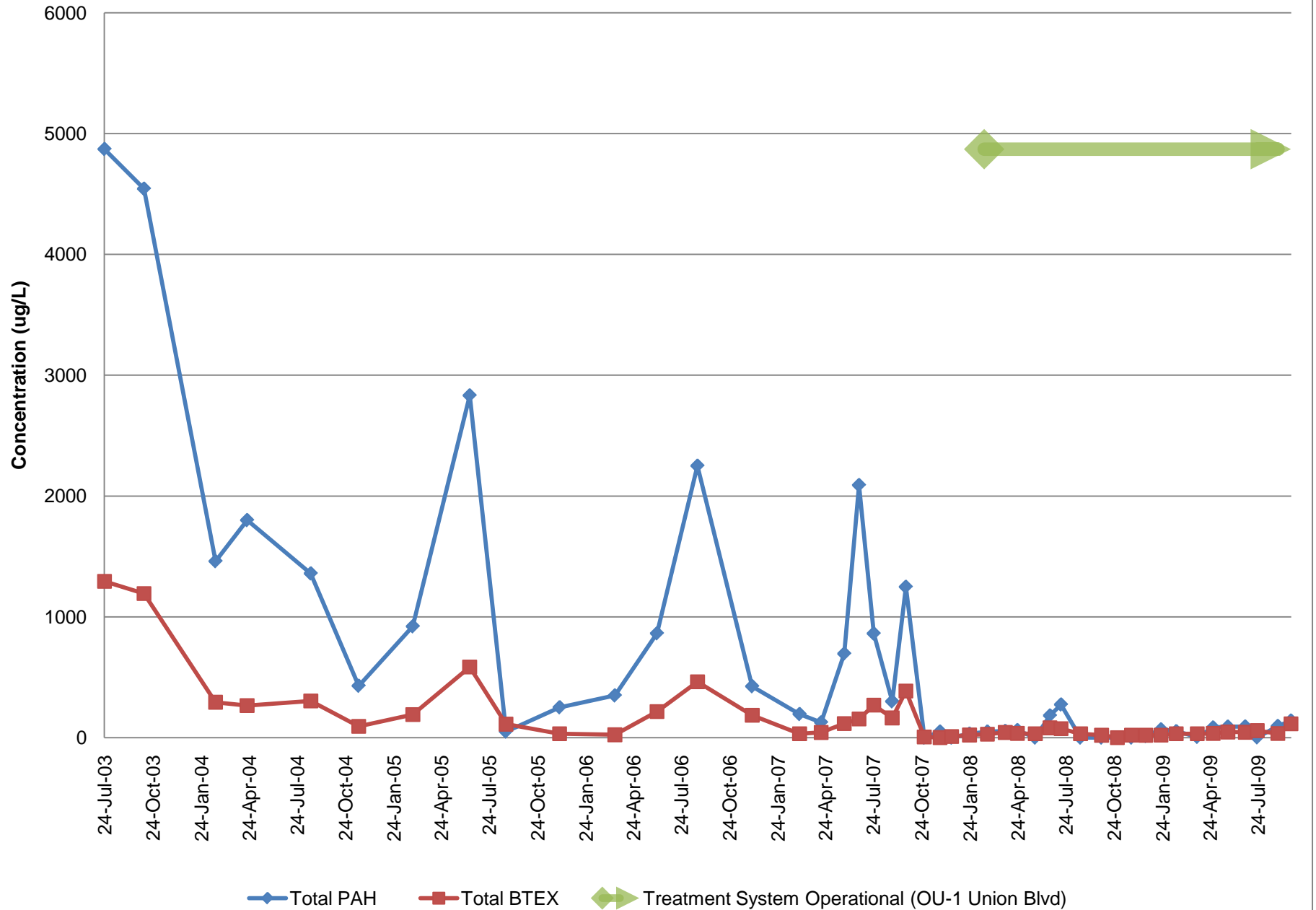
Monitoring Well BMW-01S 5-15 ft bgs



Monitoring Well BMW-01I 32-42 ft bgs

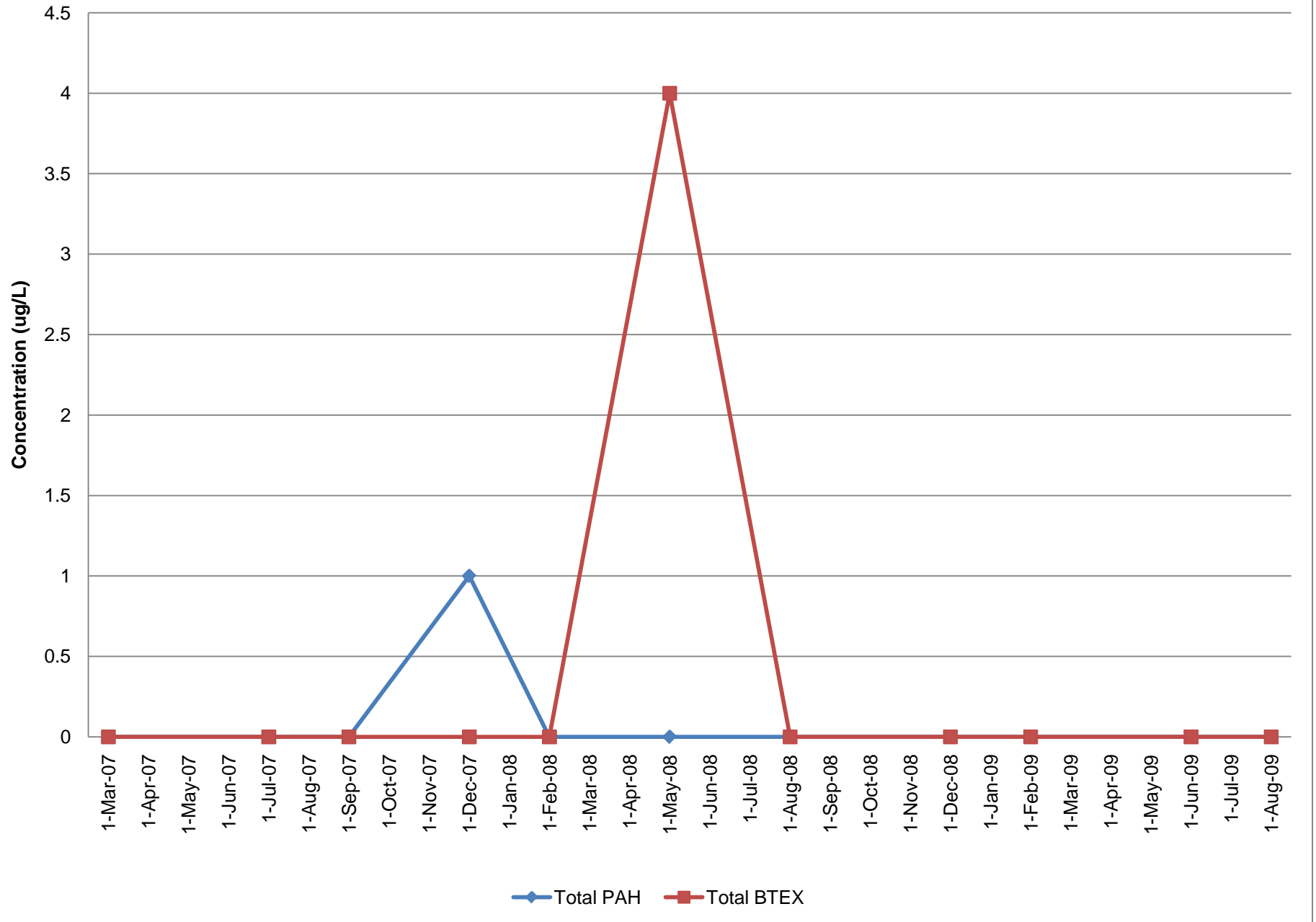


Monitoring Well BMW-01D 68.5-78.5 ft bgs



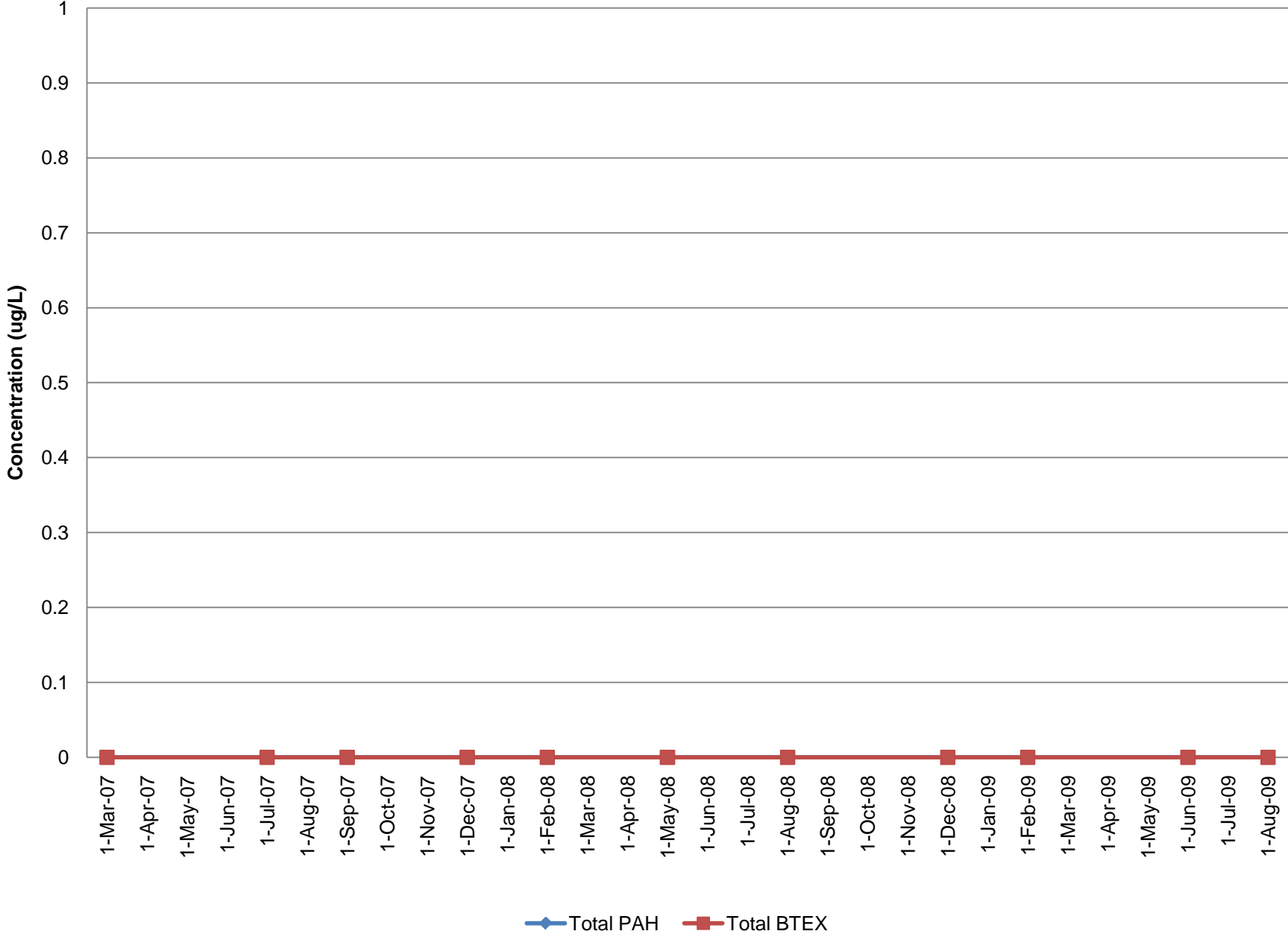
Monitoring Well BMW-02S

5-15 ft bgs



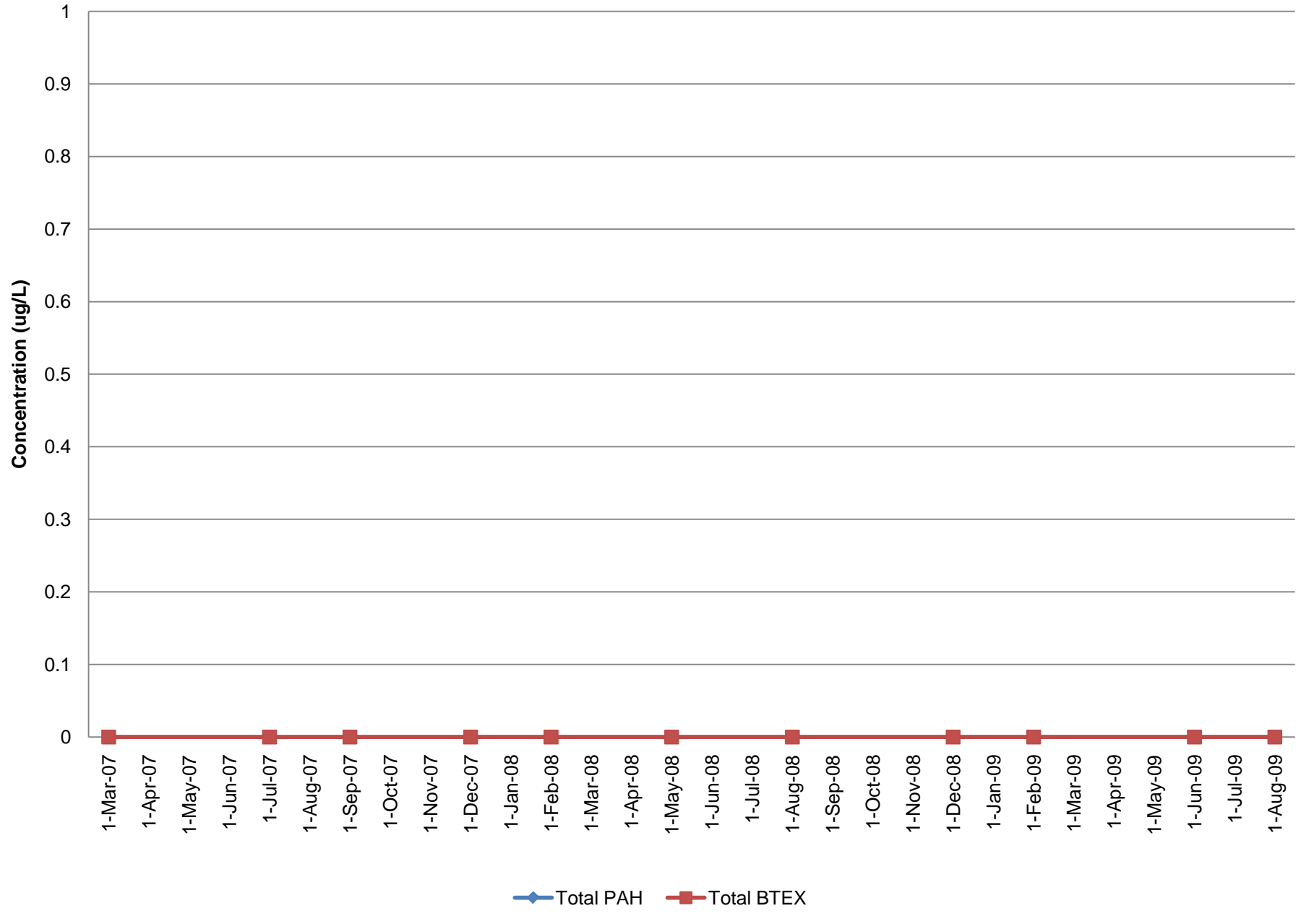
Monitoring Well BMW-02I

30-40 ft bgs

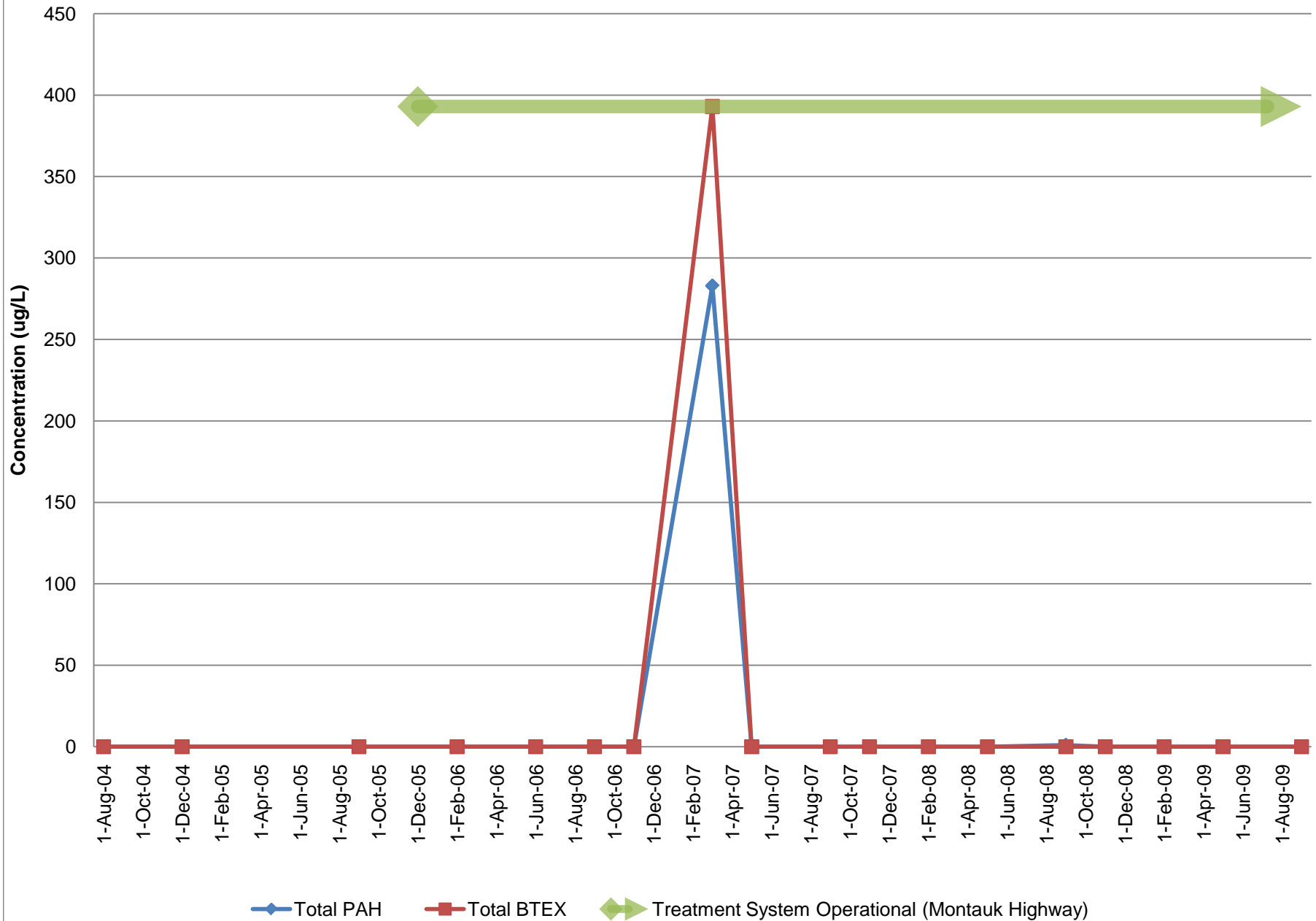


Monitoring Well BMW-02D

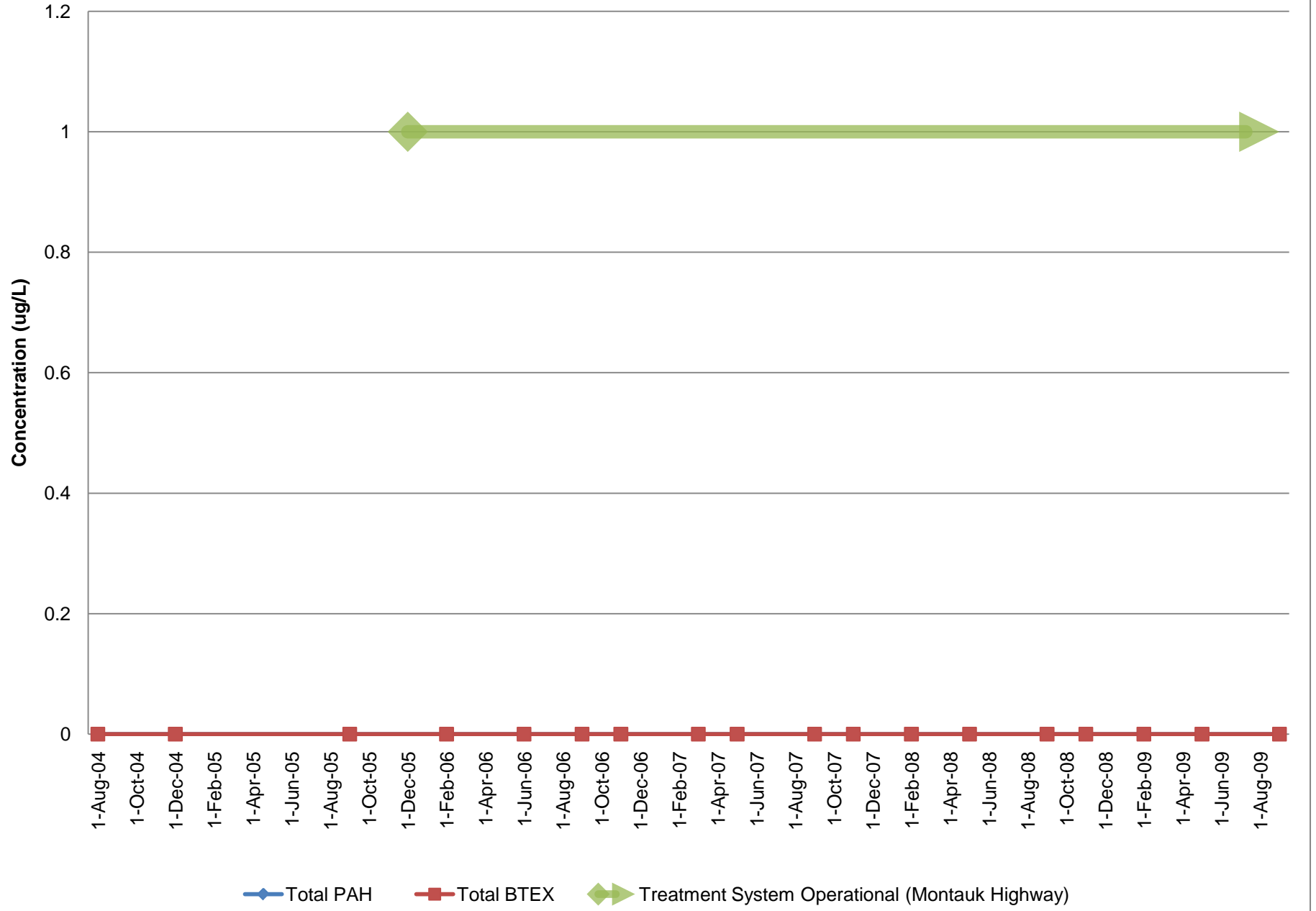
73-83 ft bgs



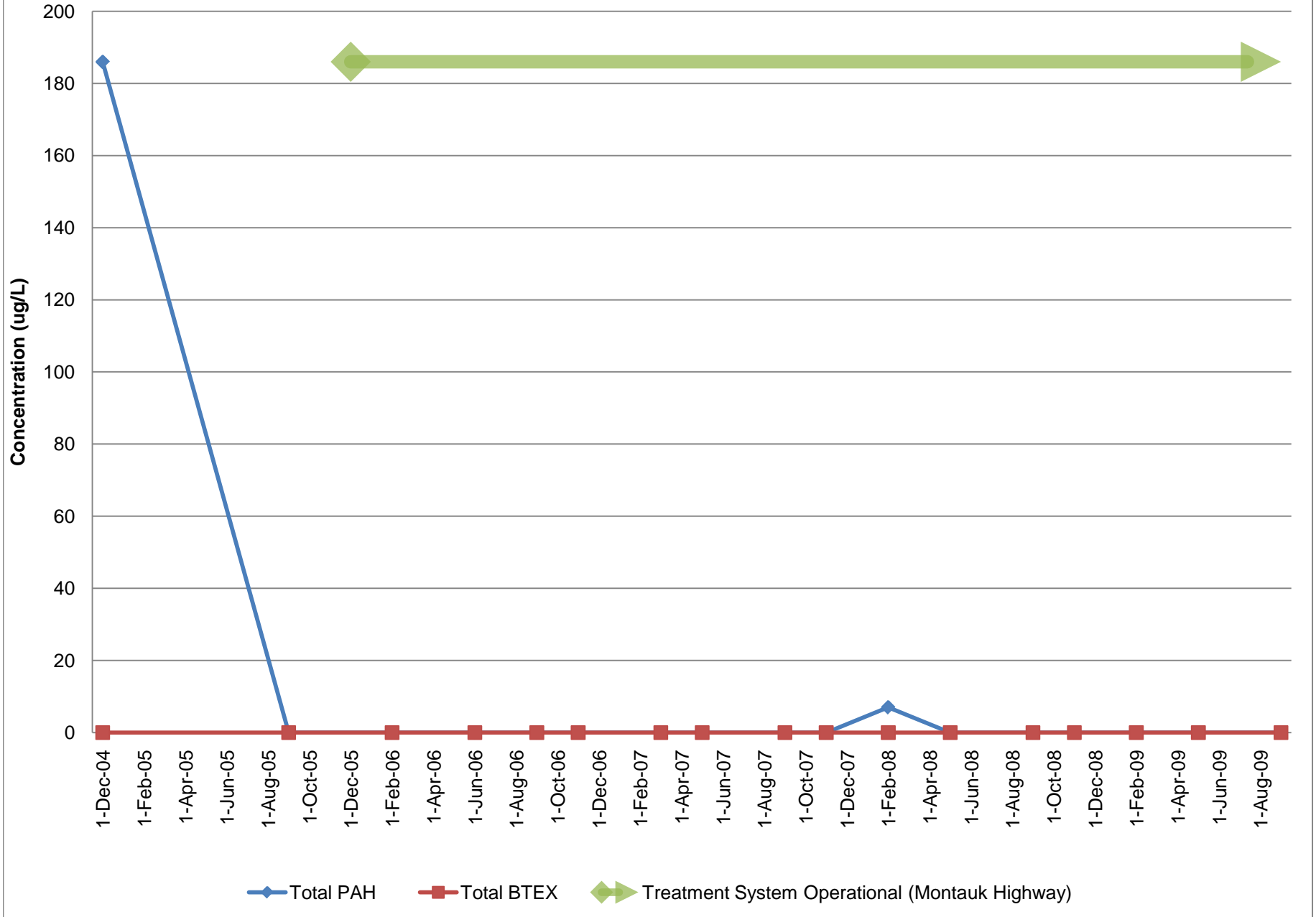
Monitoring Well BMW-03S 3-13 ft bgs



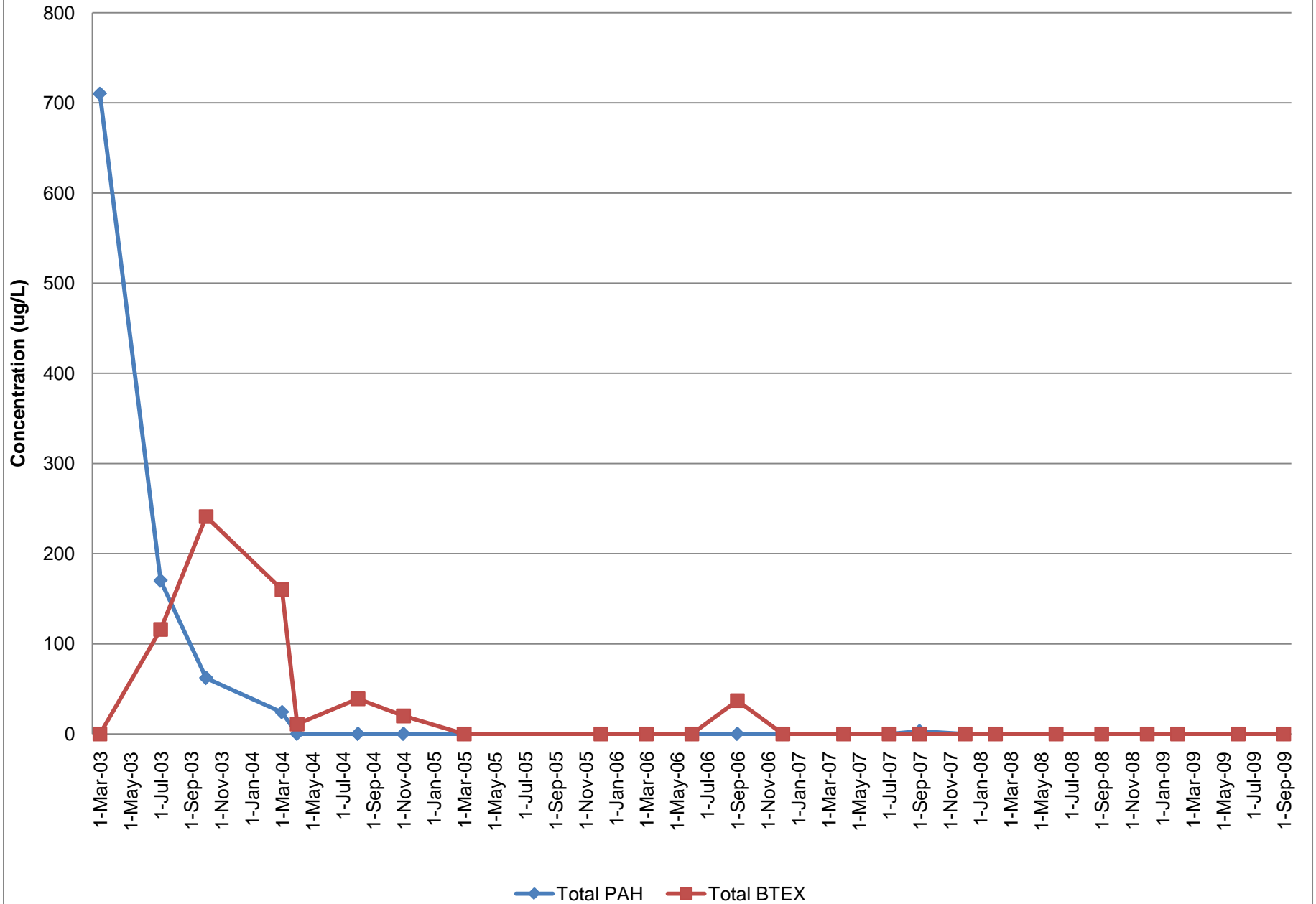
Monitoring Well BMW-03I 30-40 ft bgs



Monitoring Well BMW-03D 52-62 ft bgs

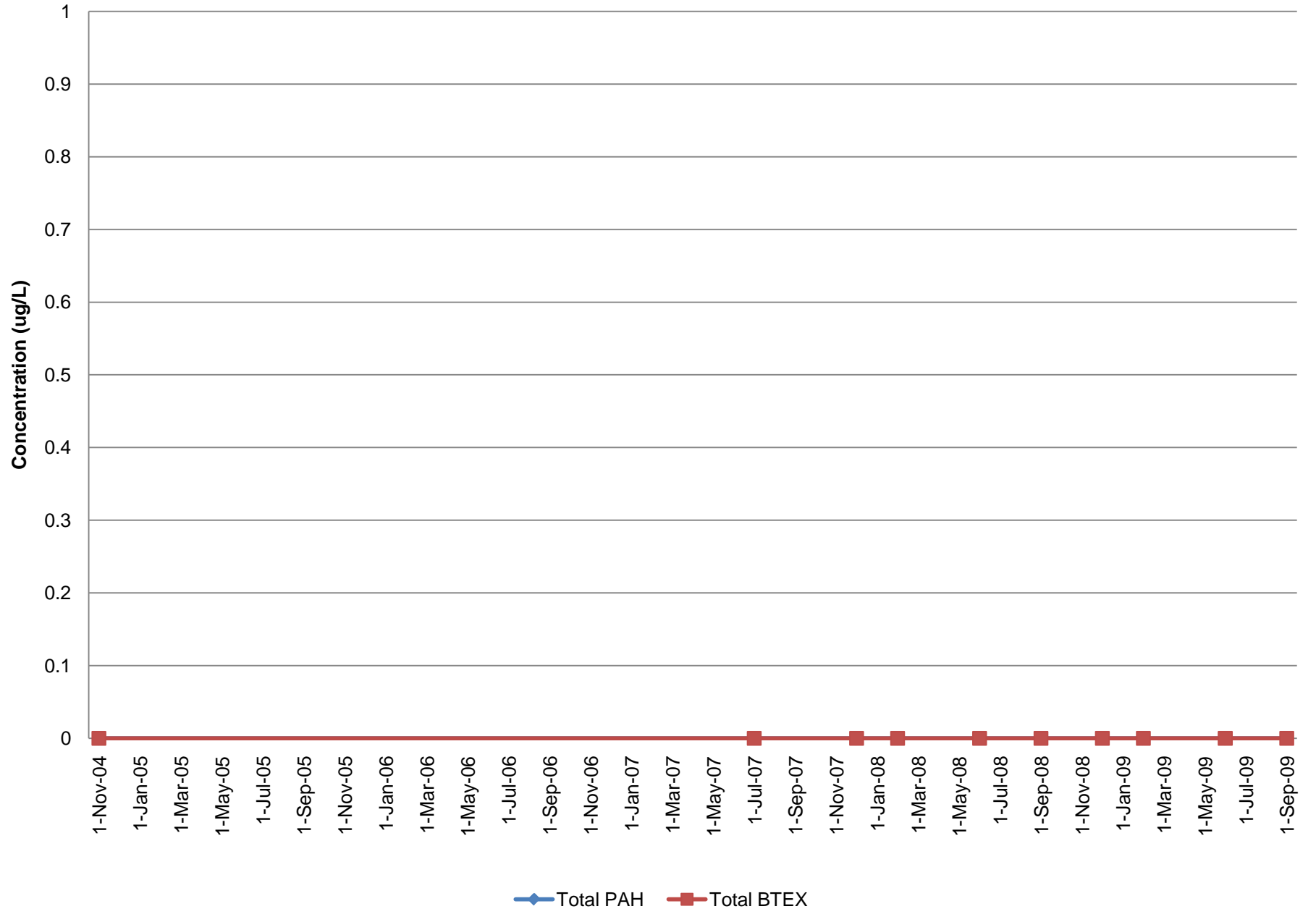


Monitoring Well BMW-07S 5-15 ft bgs



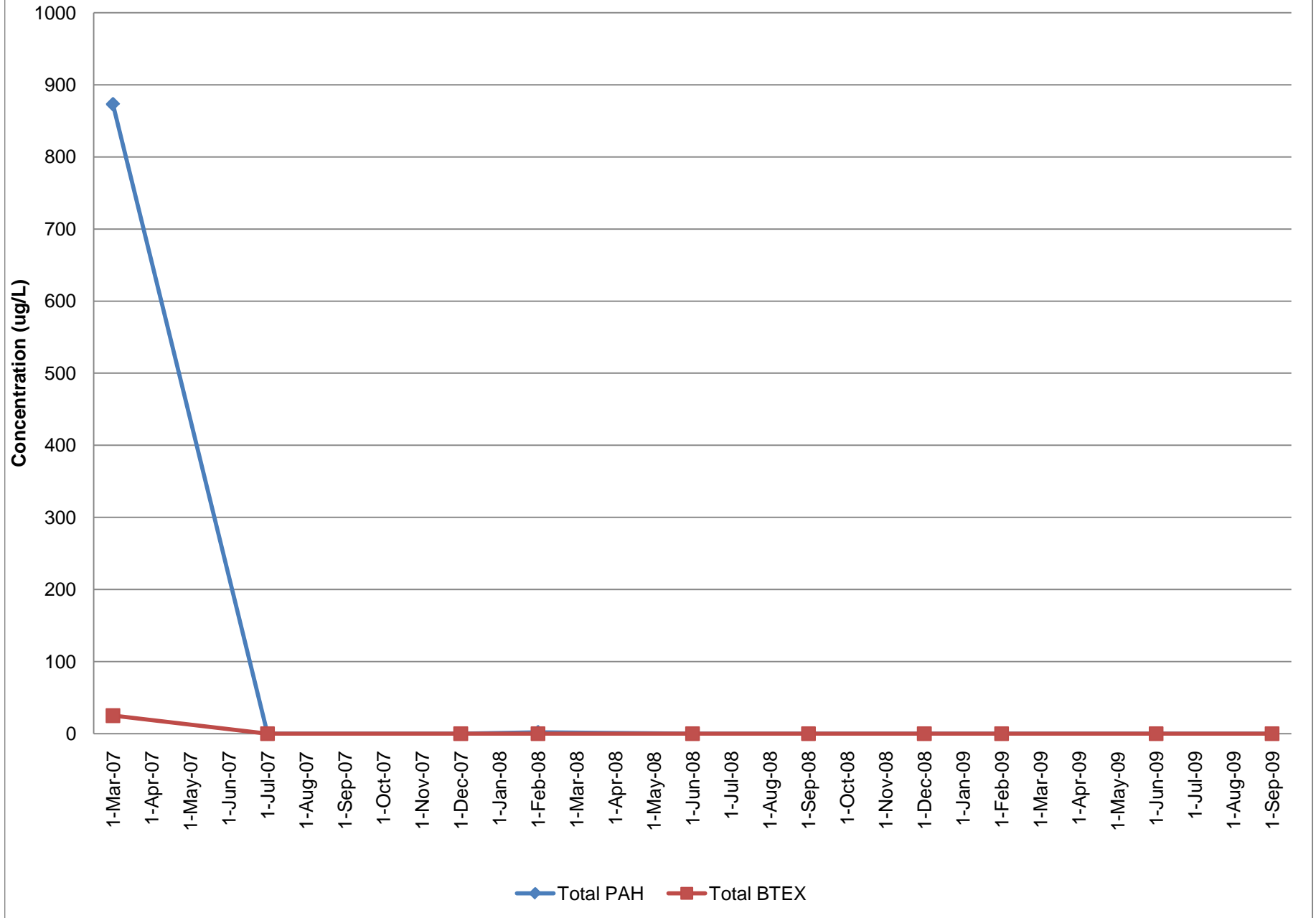
Monitoring Well BMW-07I

30-40 ft bgs



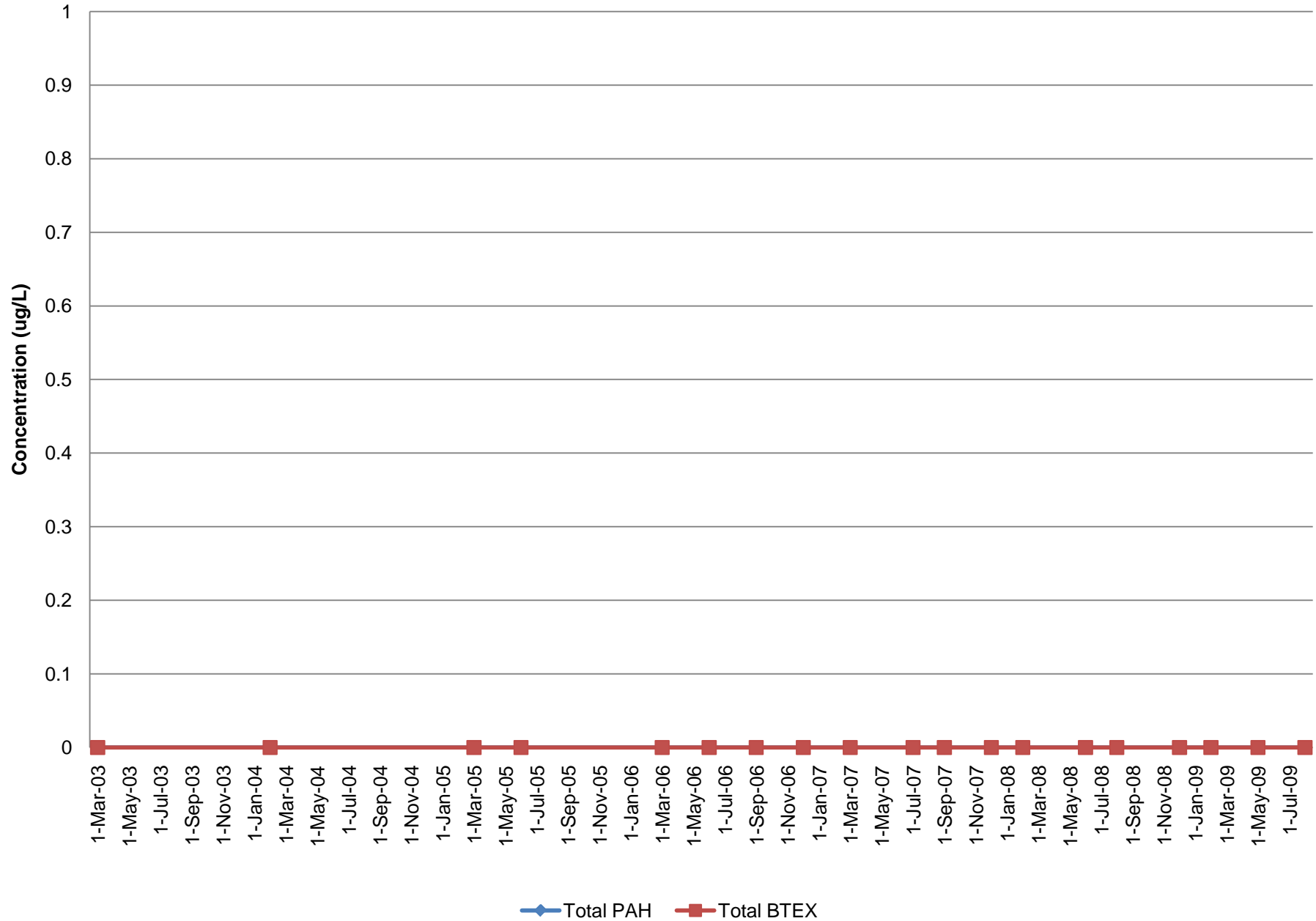
Monitoring Well BMW-07D

55-65 ft bgs

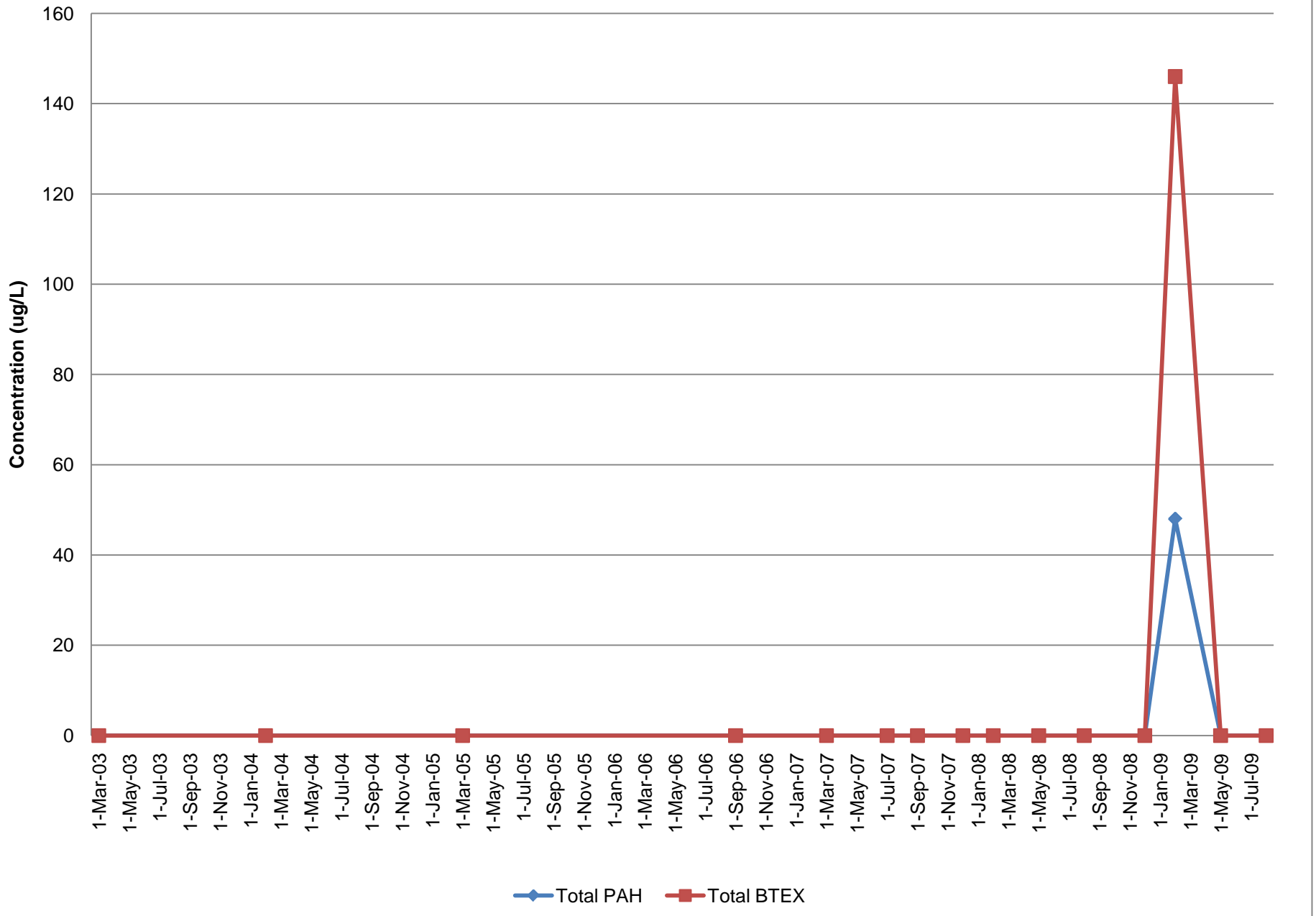


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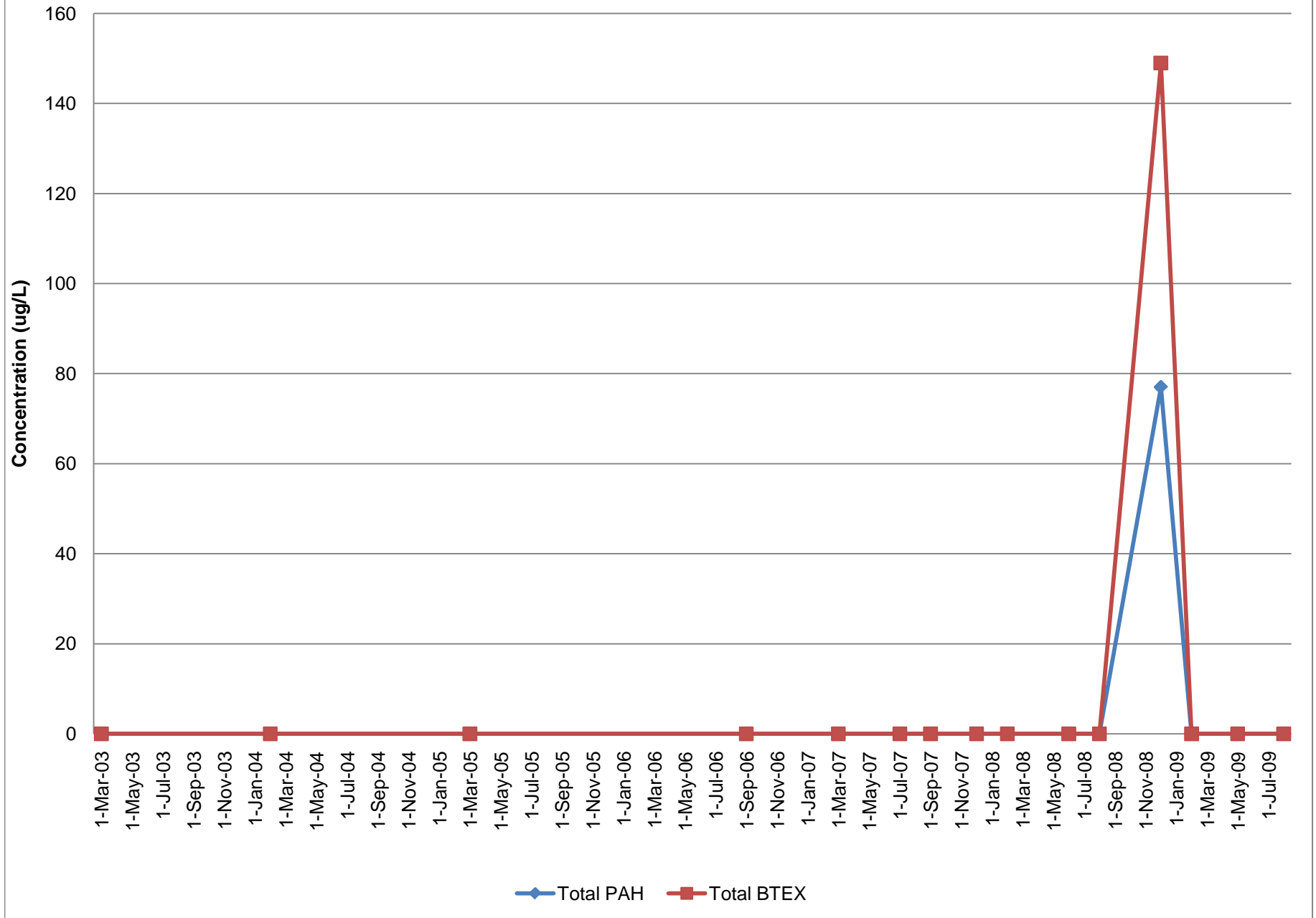
5-15 ft bgs



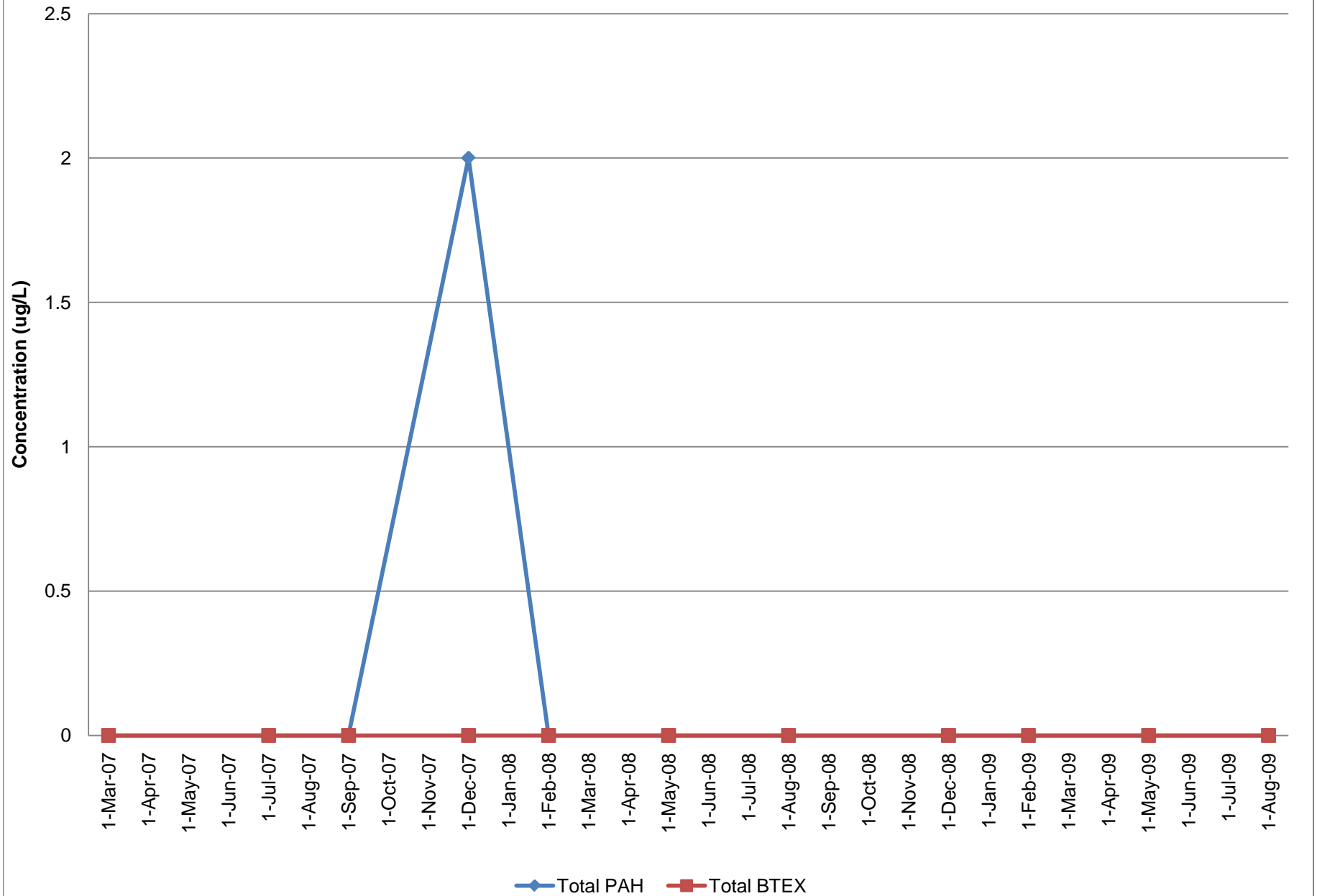
Monitoring Well BMW-15I 23-28 ft bgs



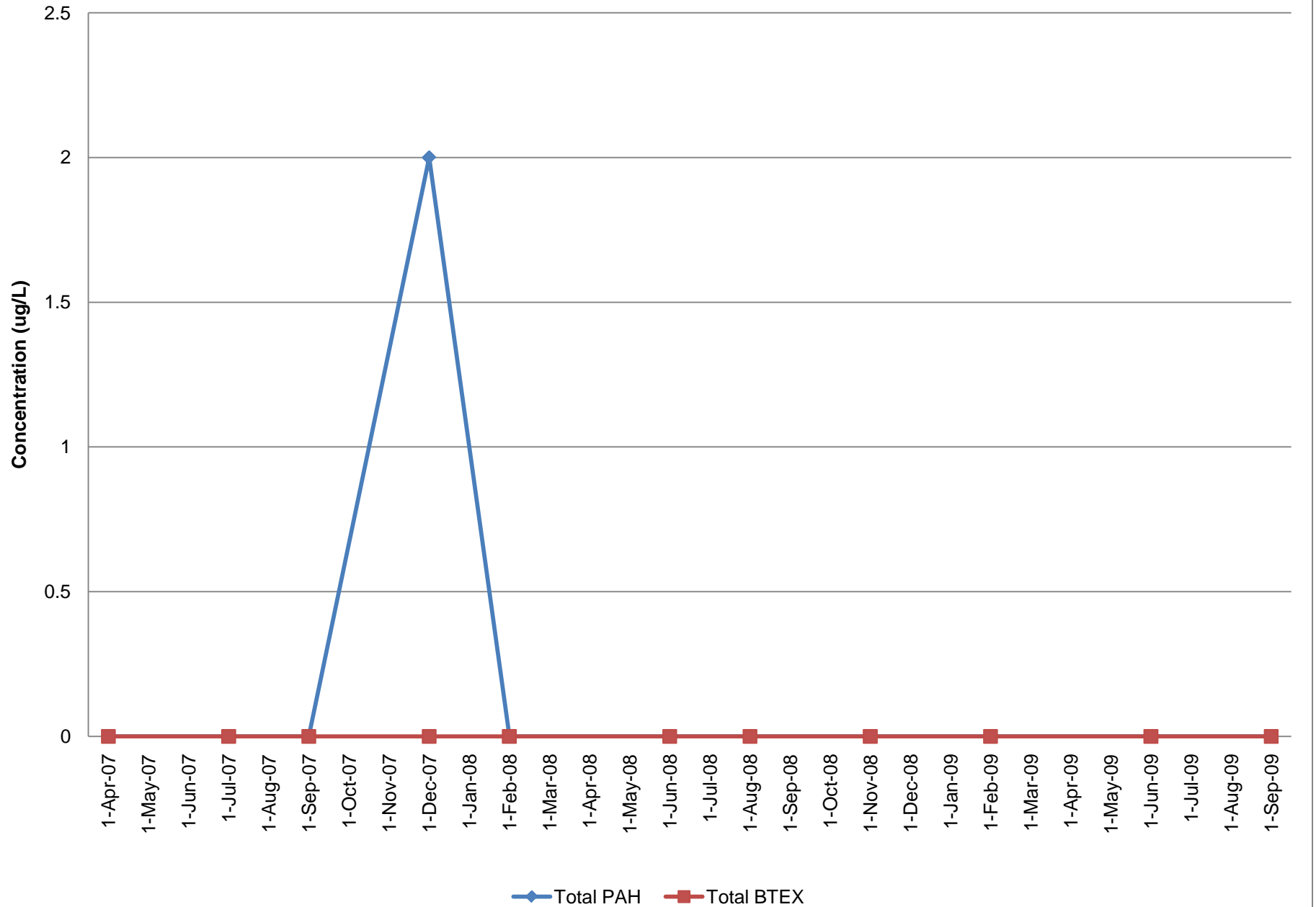
Monitoring Well BMW-15I2 35-45 ft bgs



Monitoring Well BMW-15D 70-80 ft bgs

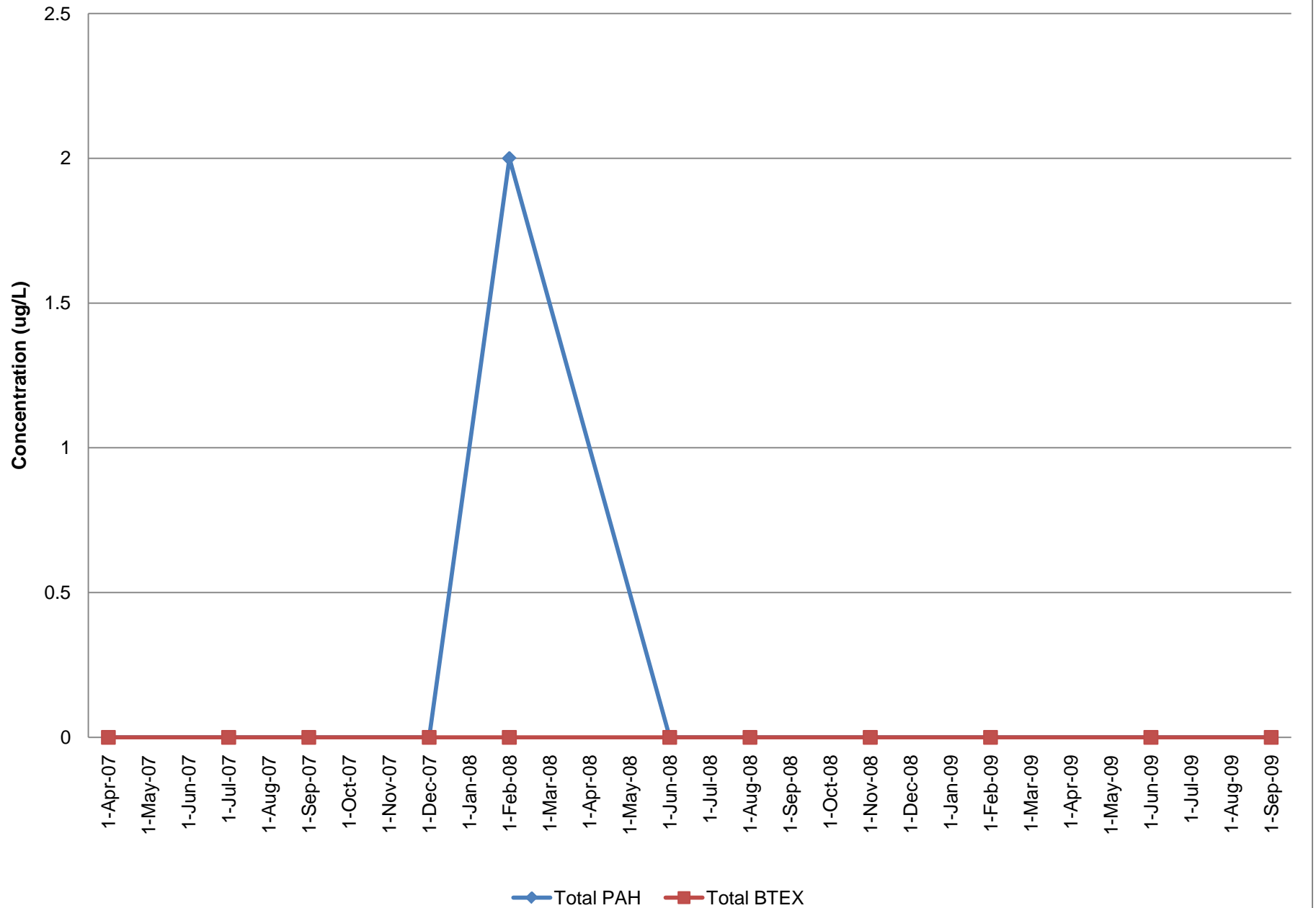


Monitoring Well BMW-16S 5-15 ft bgs

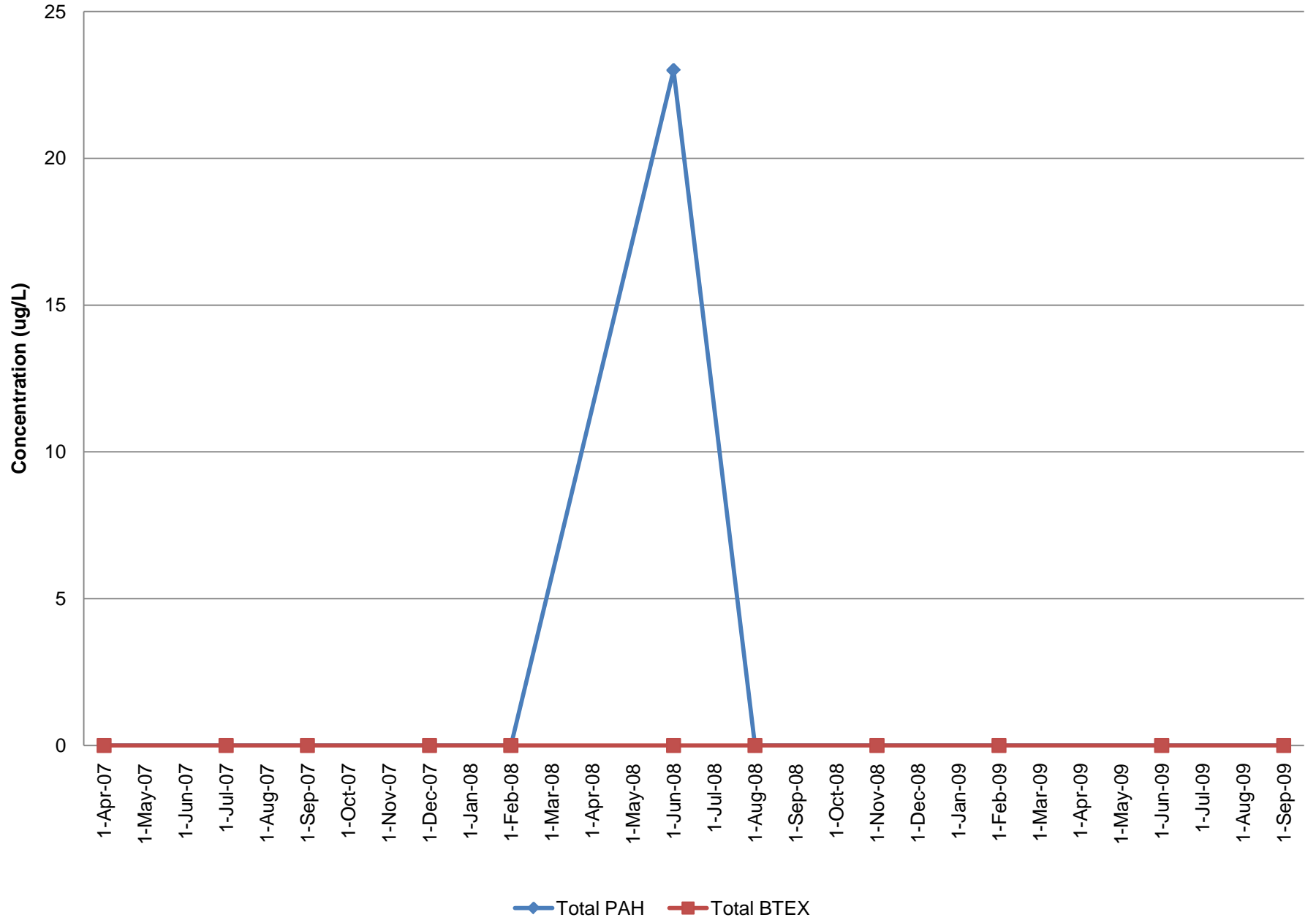


Monitoring Well BMW-16I

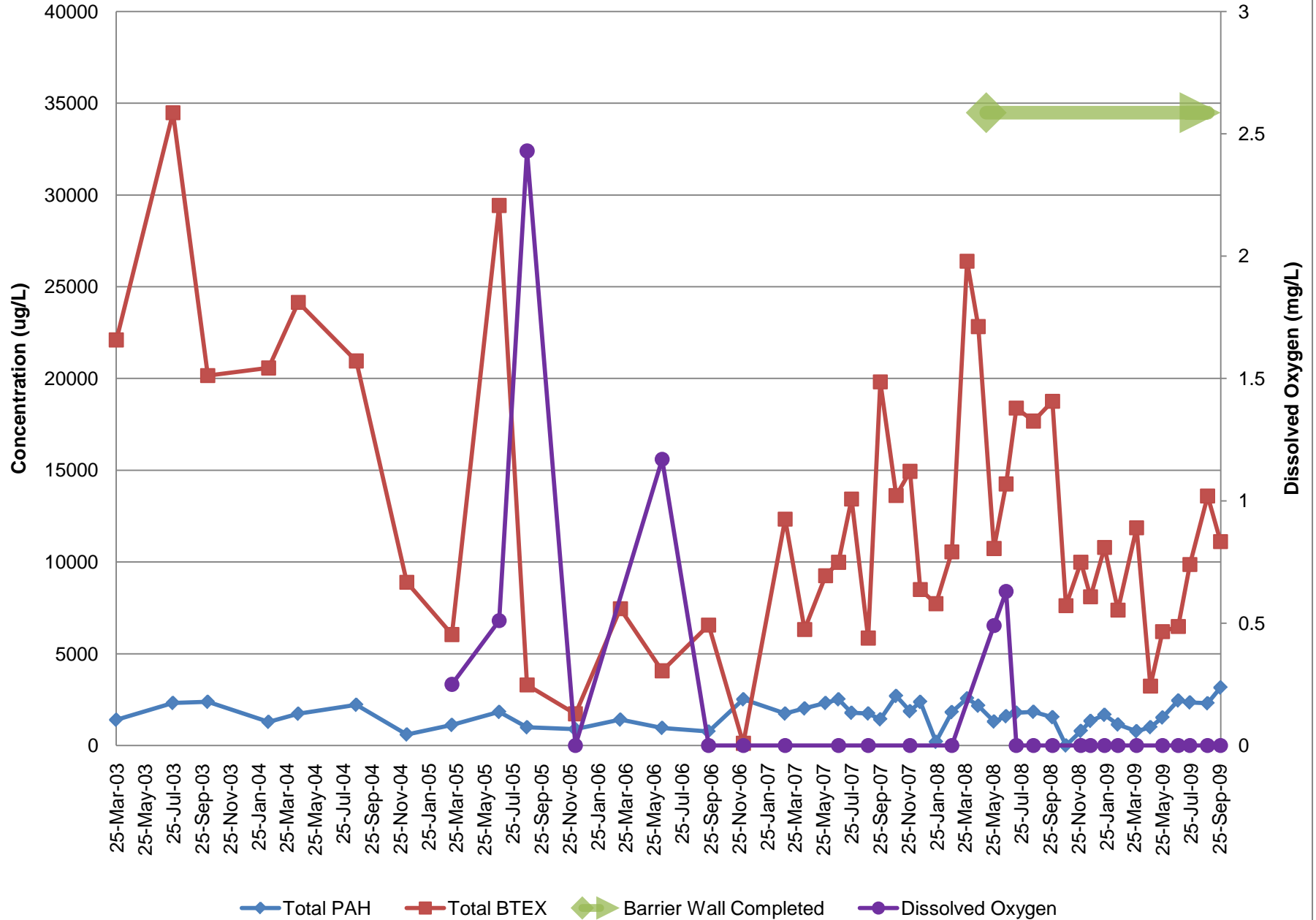
35-45 ft bgs



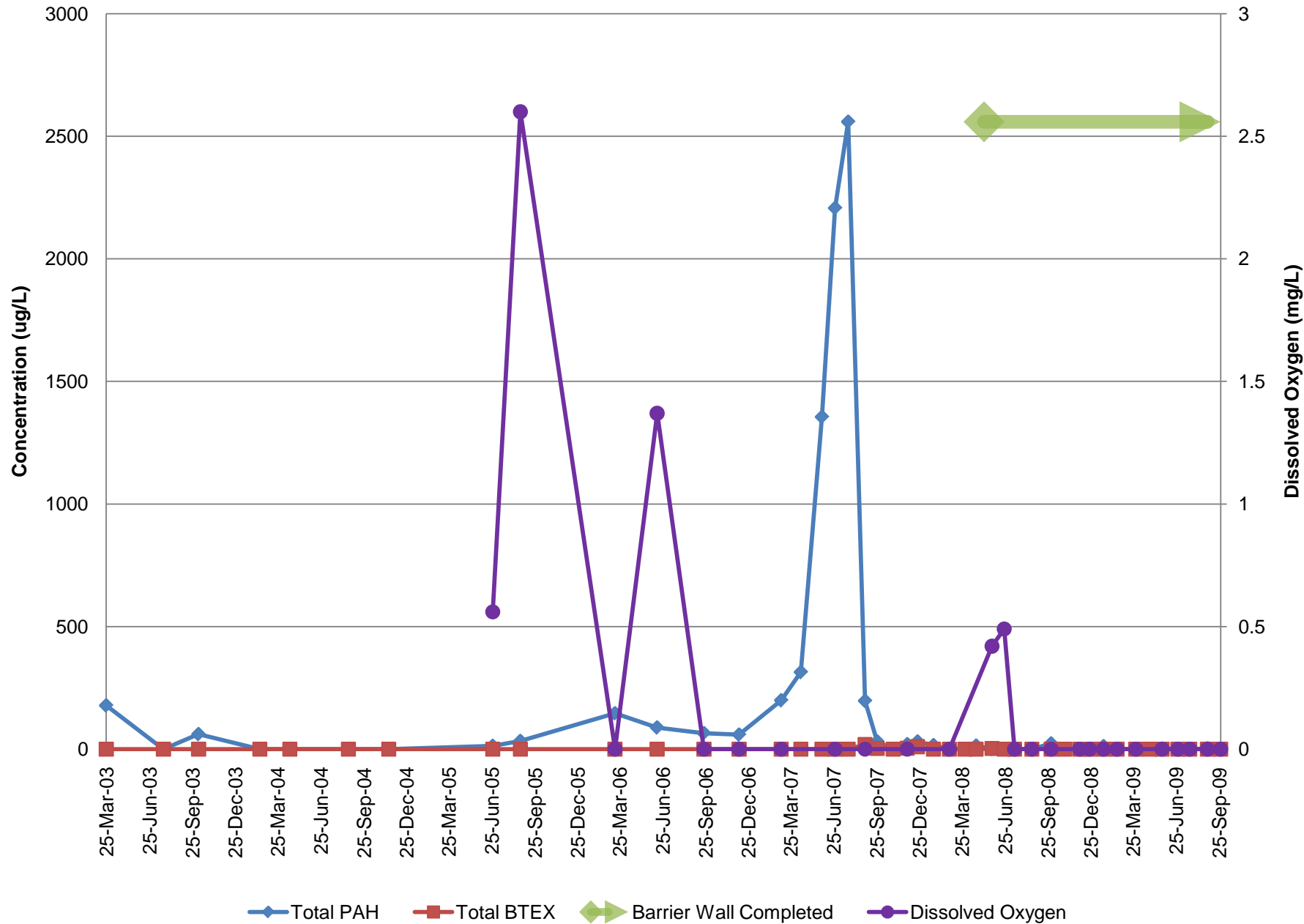
Monitoring Well BMW-16D 68-78 ft bgs



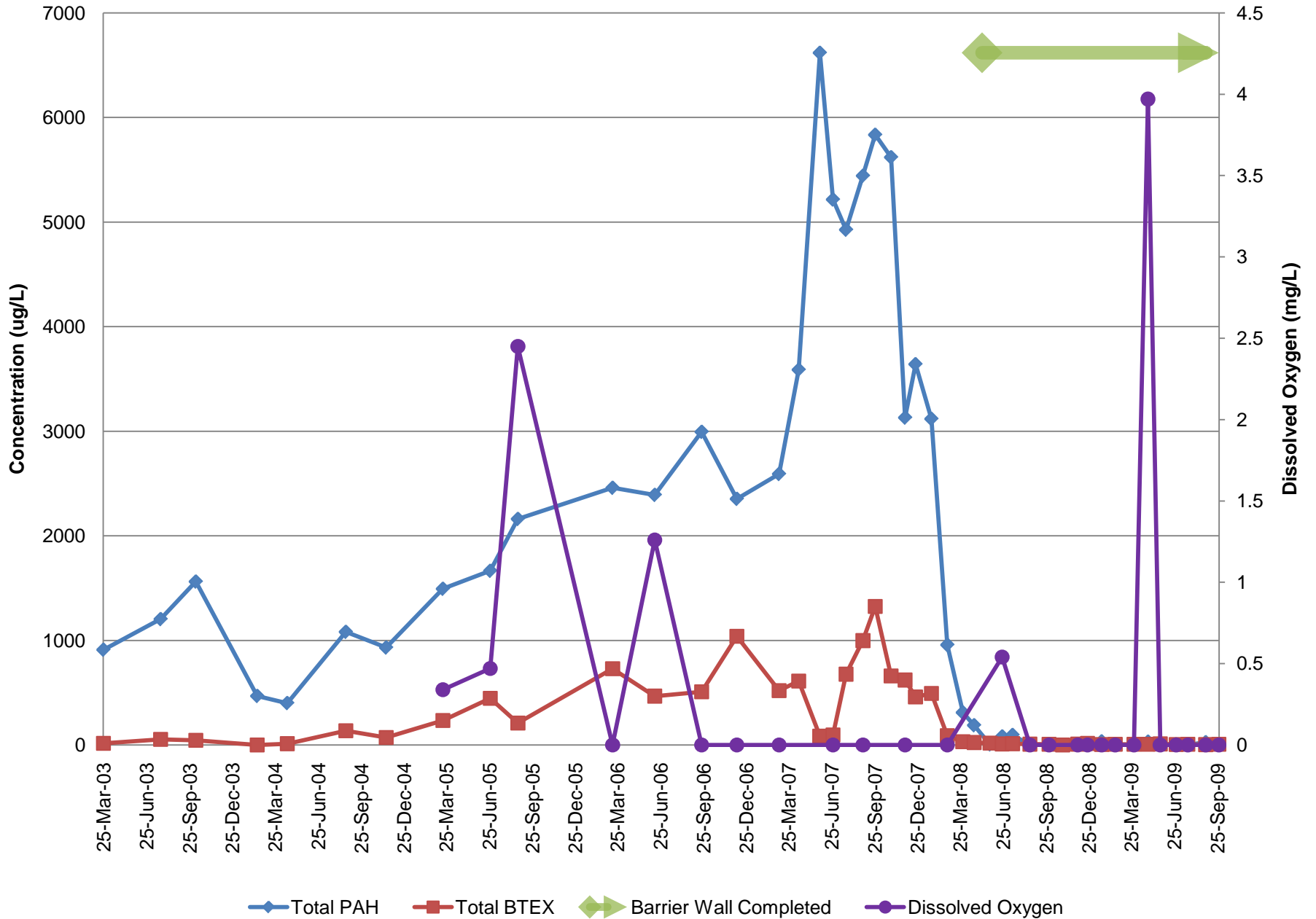
Monitoring Well BMW-23S 5-15 ft bgs



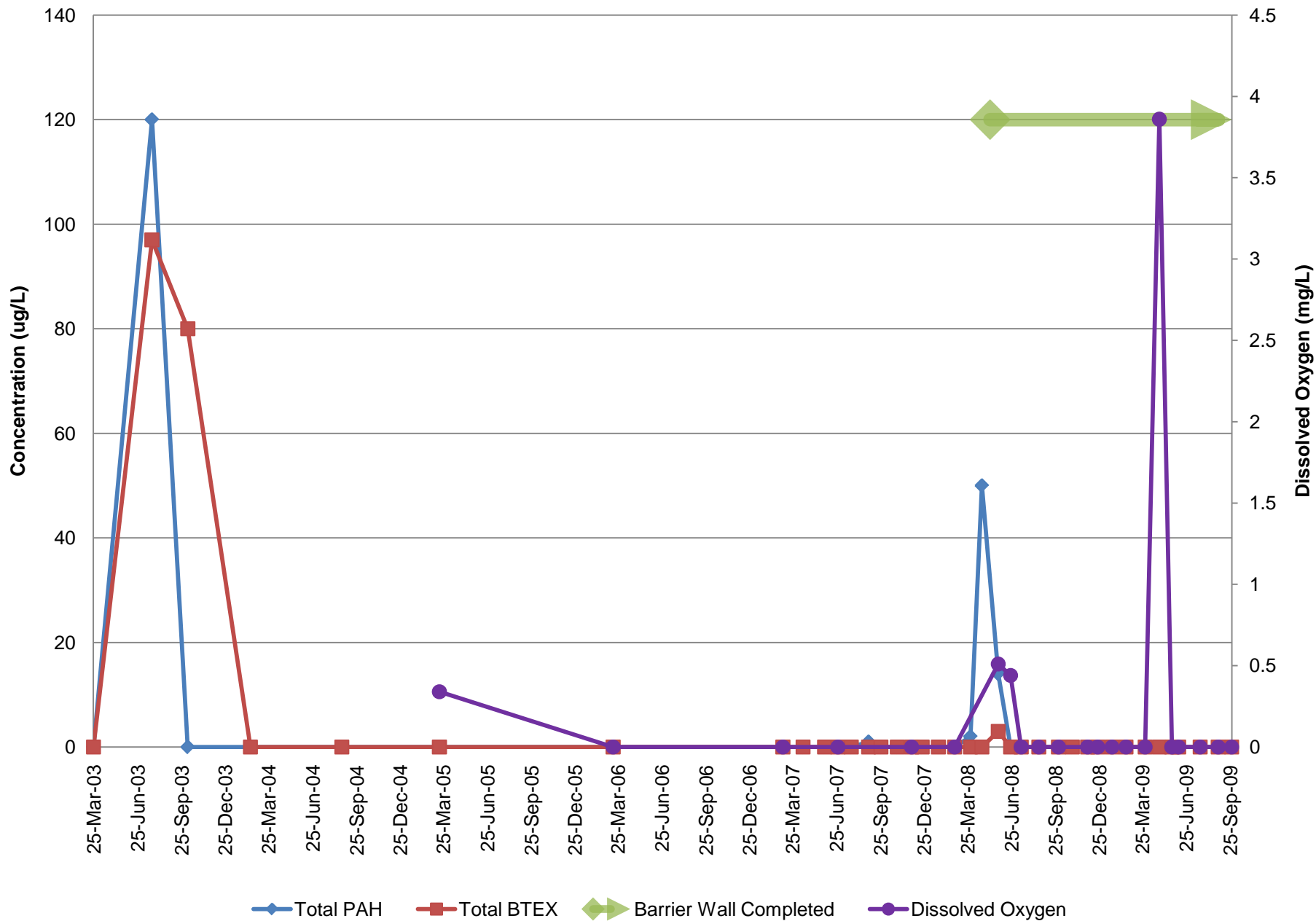
Monitoring Well BMW-23I 33-43 ft bgs



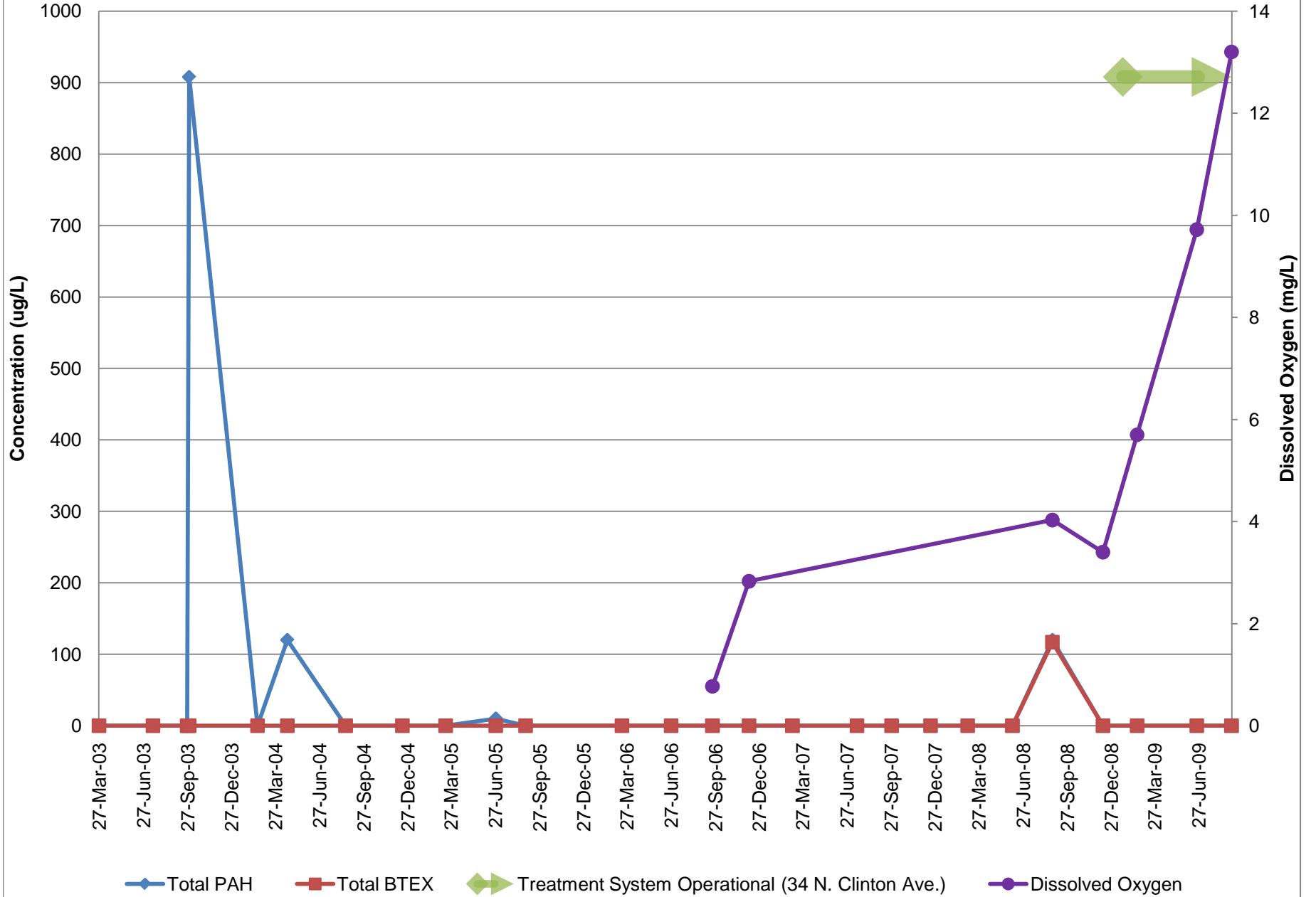
Monitoring Well BMW-23D 49.5-59.5 ft bgs



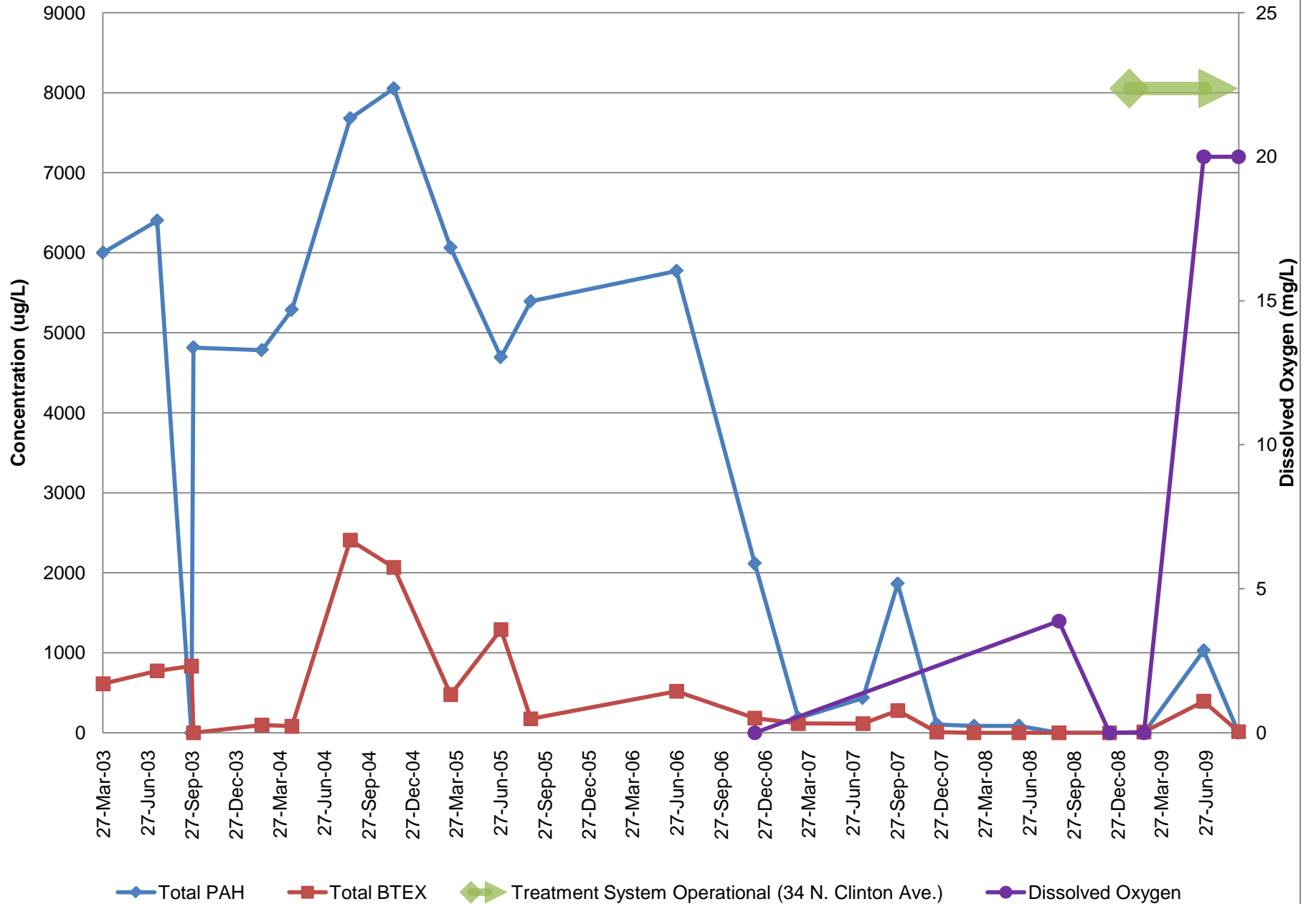
Monitoring Well BMW-23D2 63-73 ft bgs



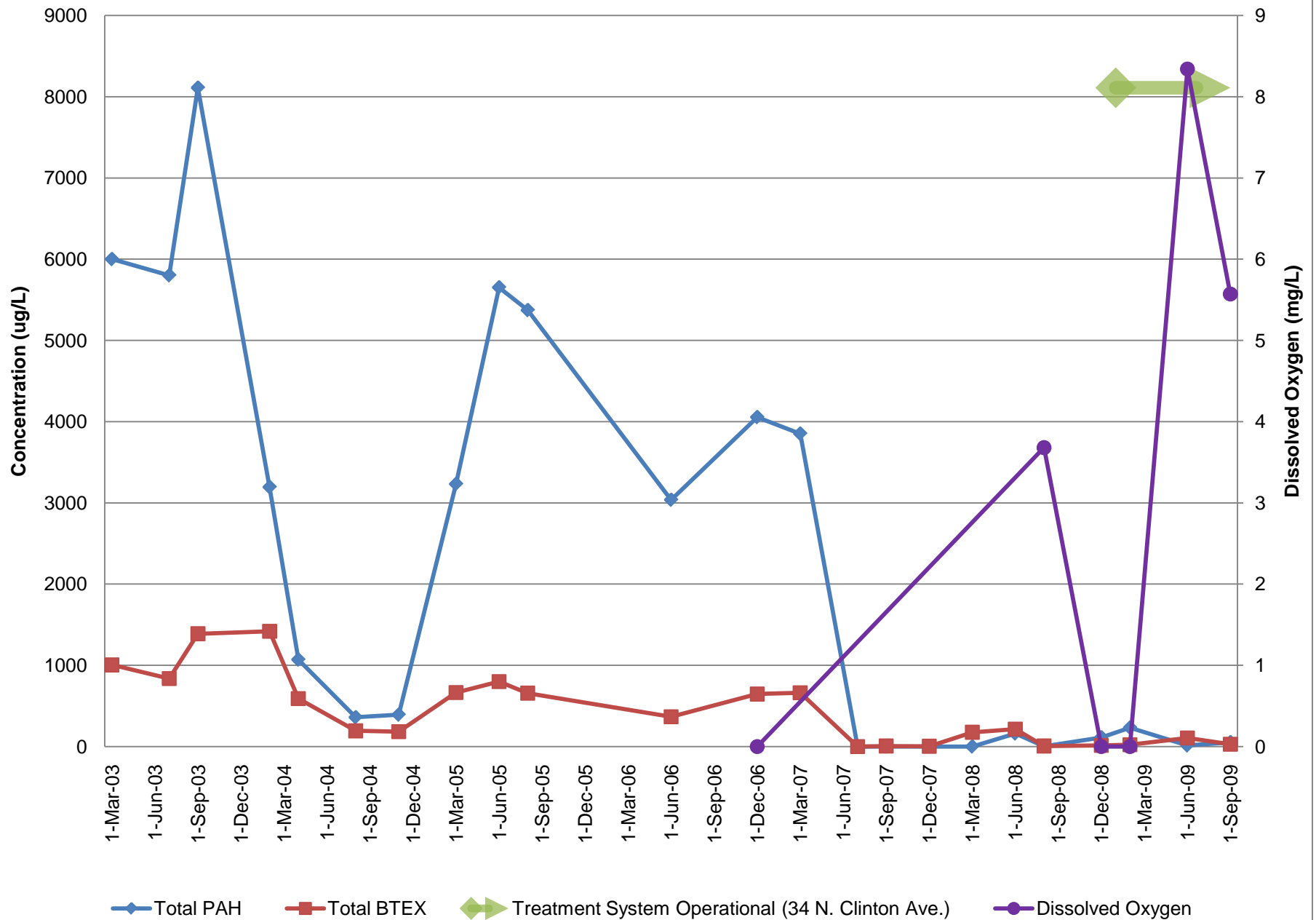
Monitoring Well BMW-24S 4-14 ft bgs



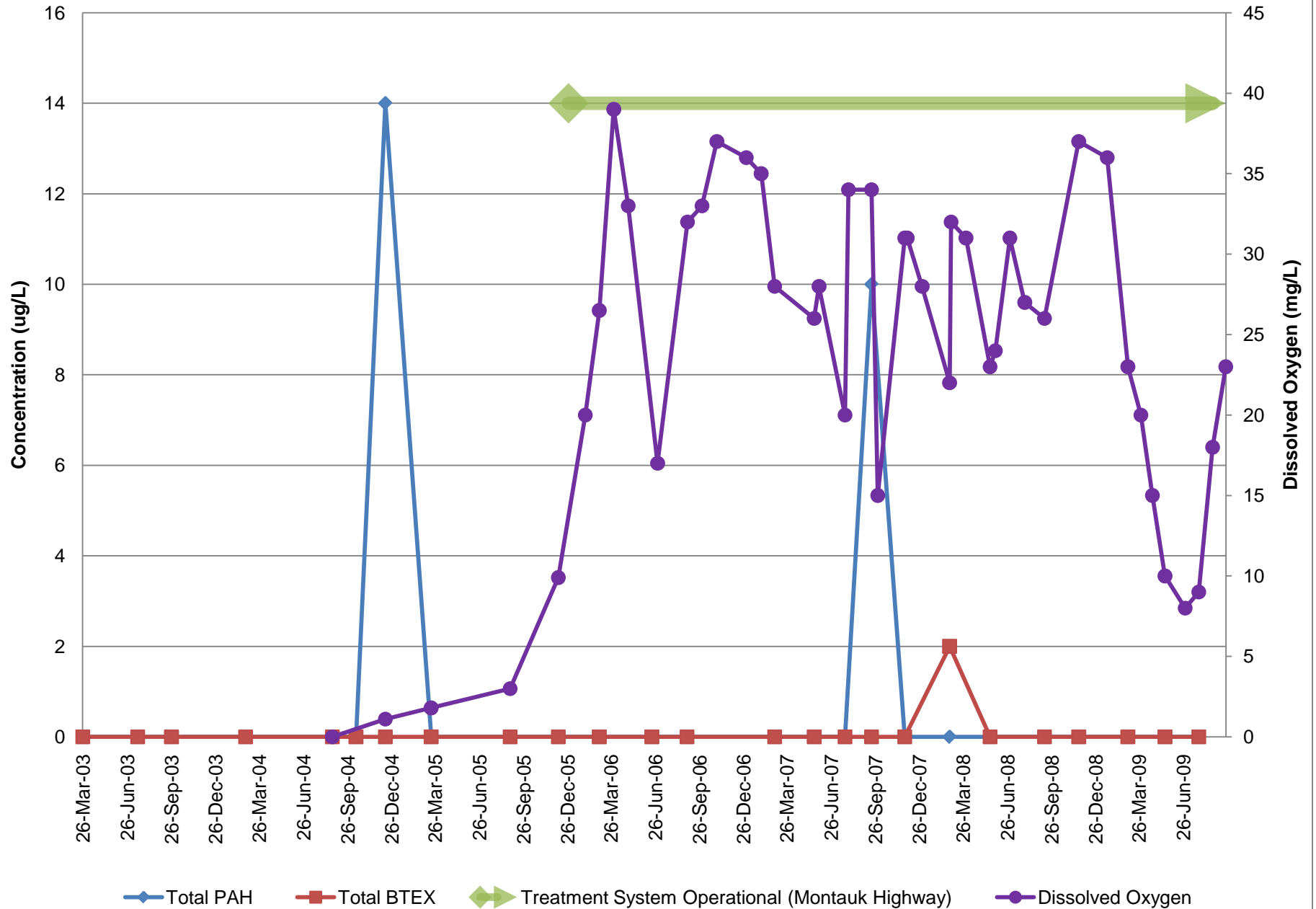
Monitoring Well BMW-24I 32-42 ft bgs



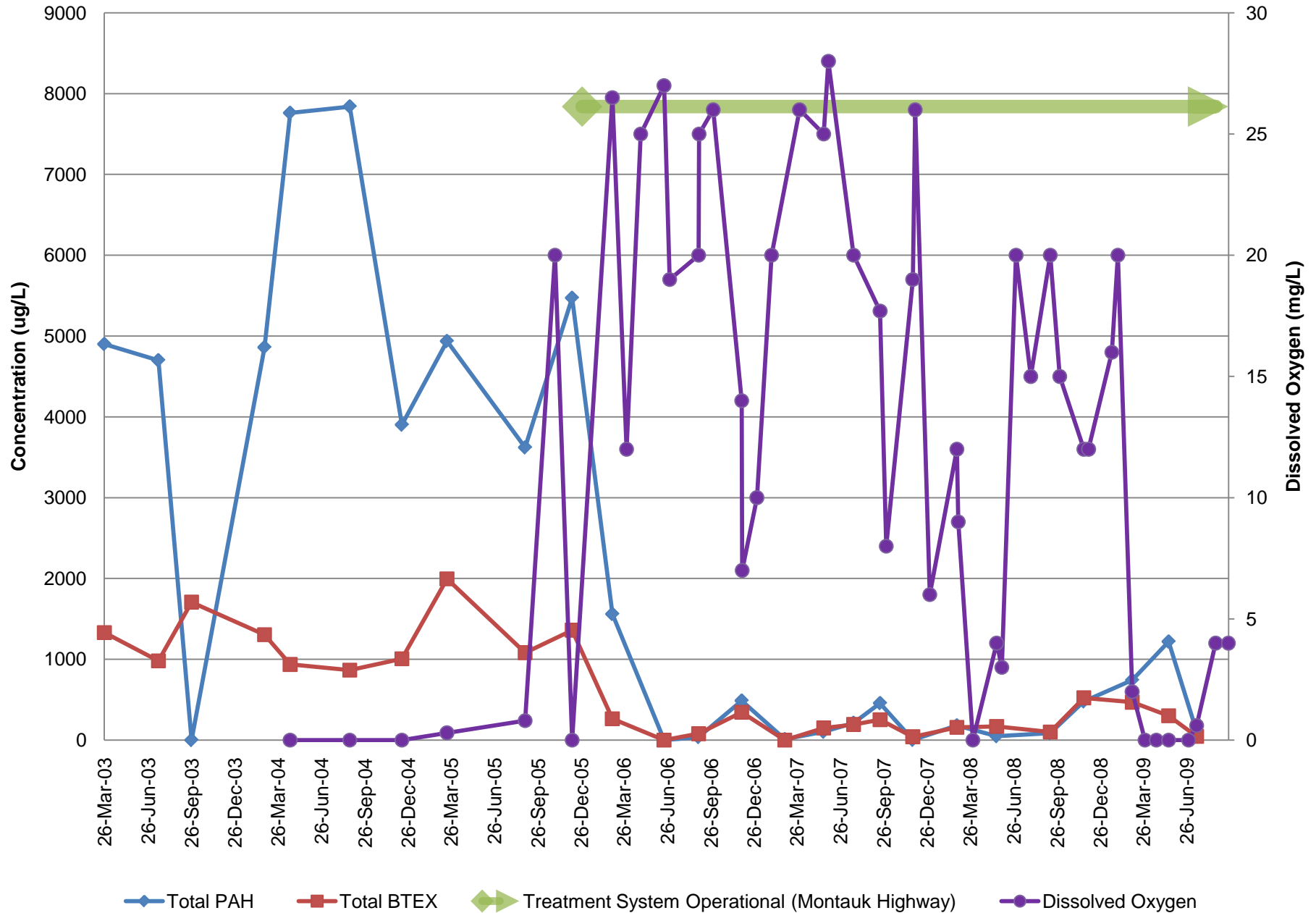
Monitoring Well BMW-24D 59.5-69.5 ft bgs



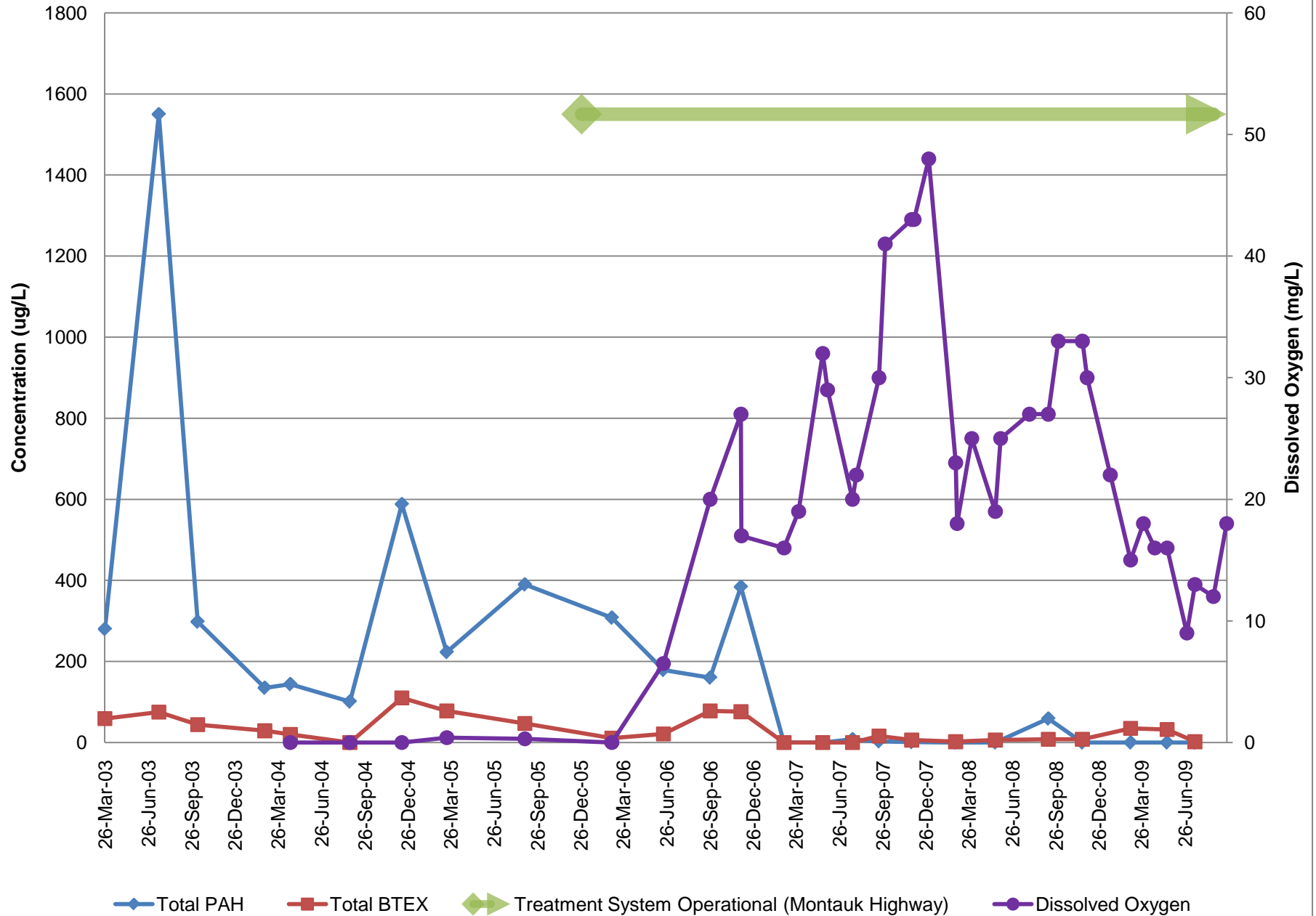
Monitoring Well BMW-25S 4-14 ft bgs



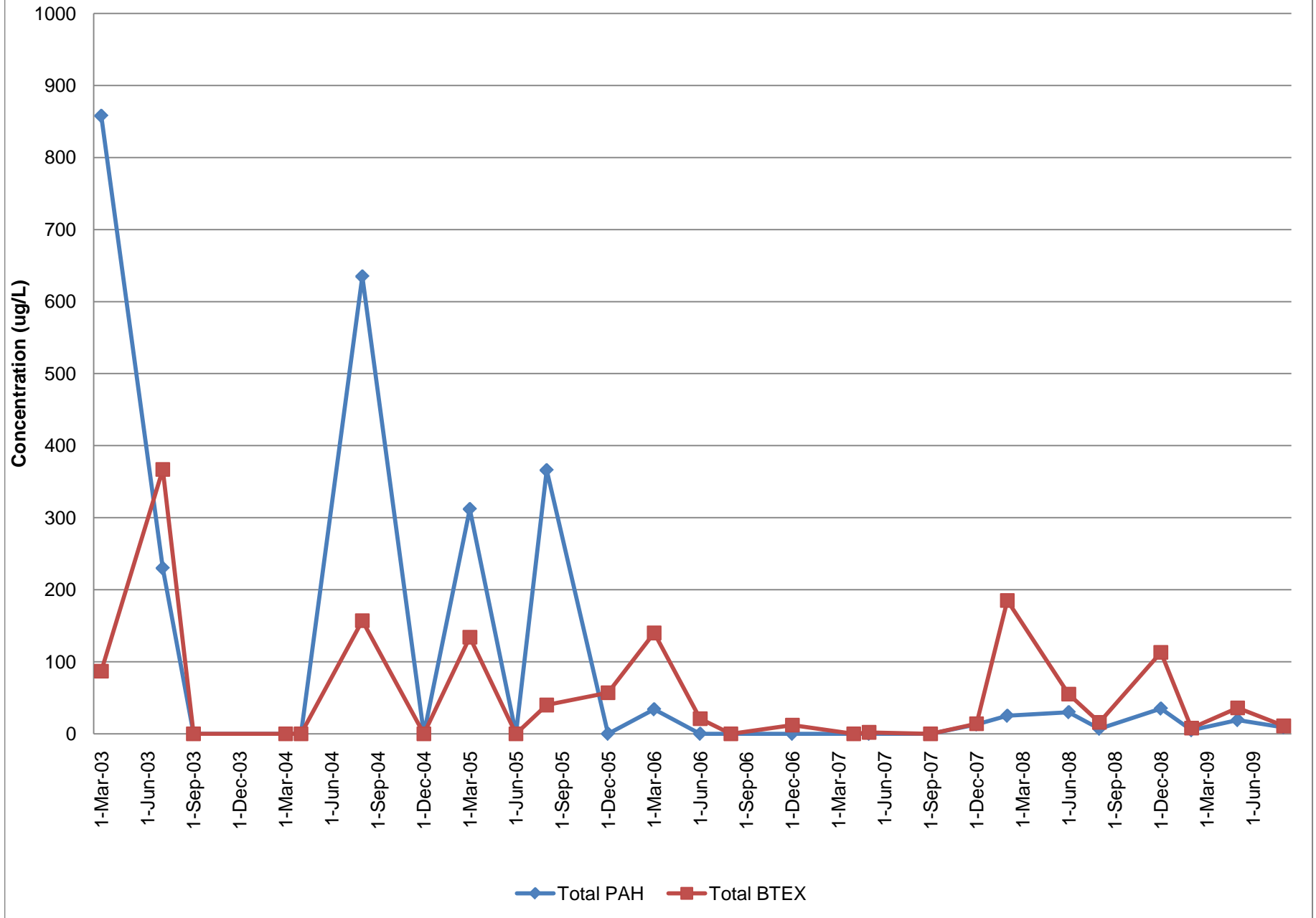
Monitoring Well BMW-25I 25-35 ft bgs



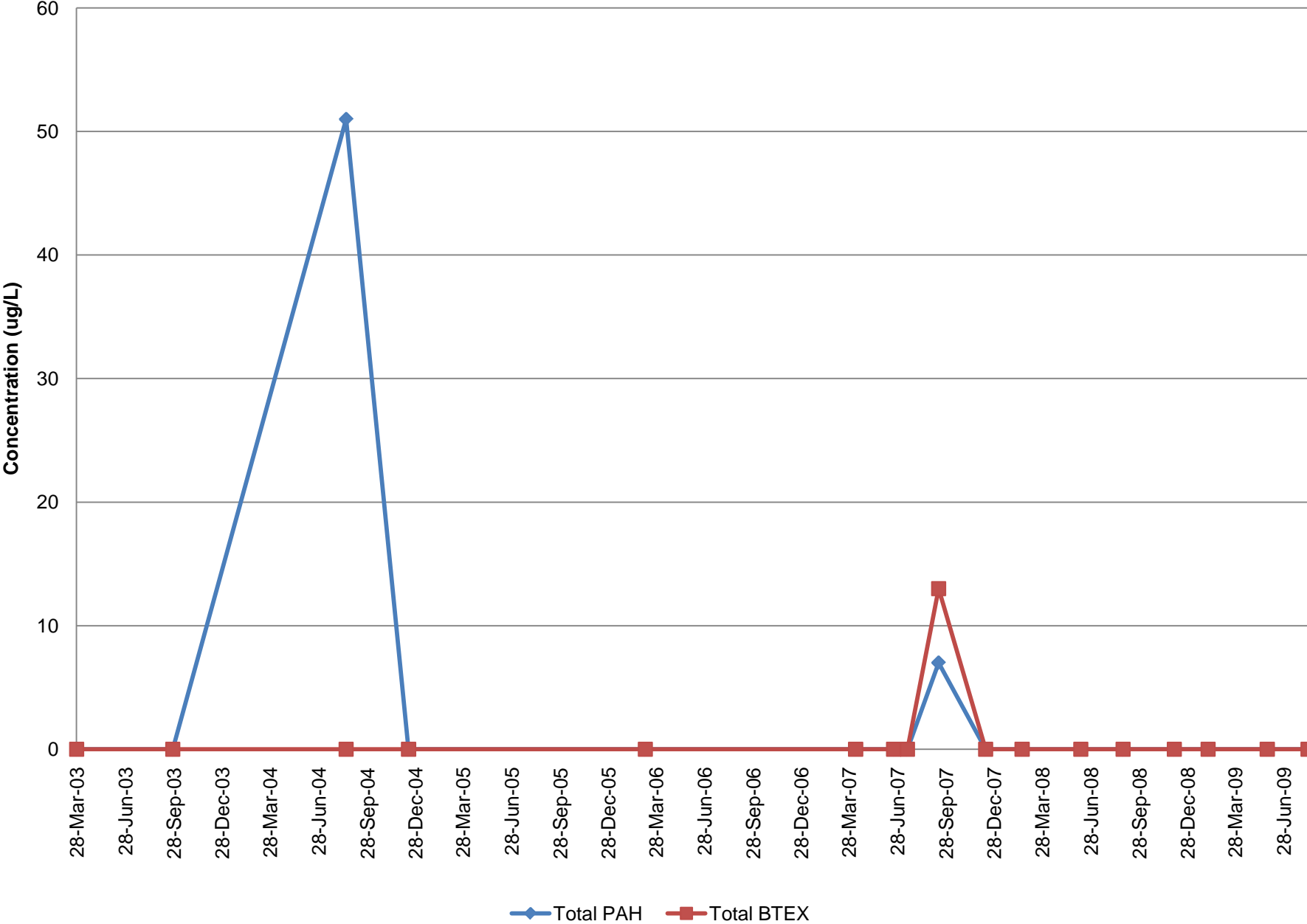
Monitoring Well BMW-25D 62-72 ft bgs



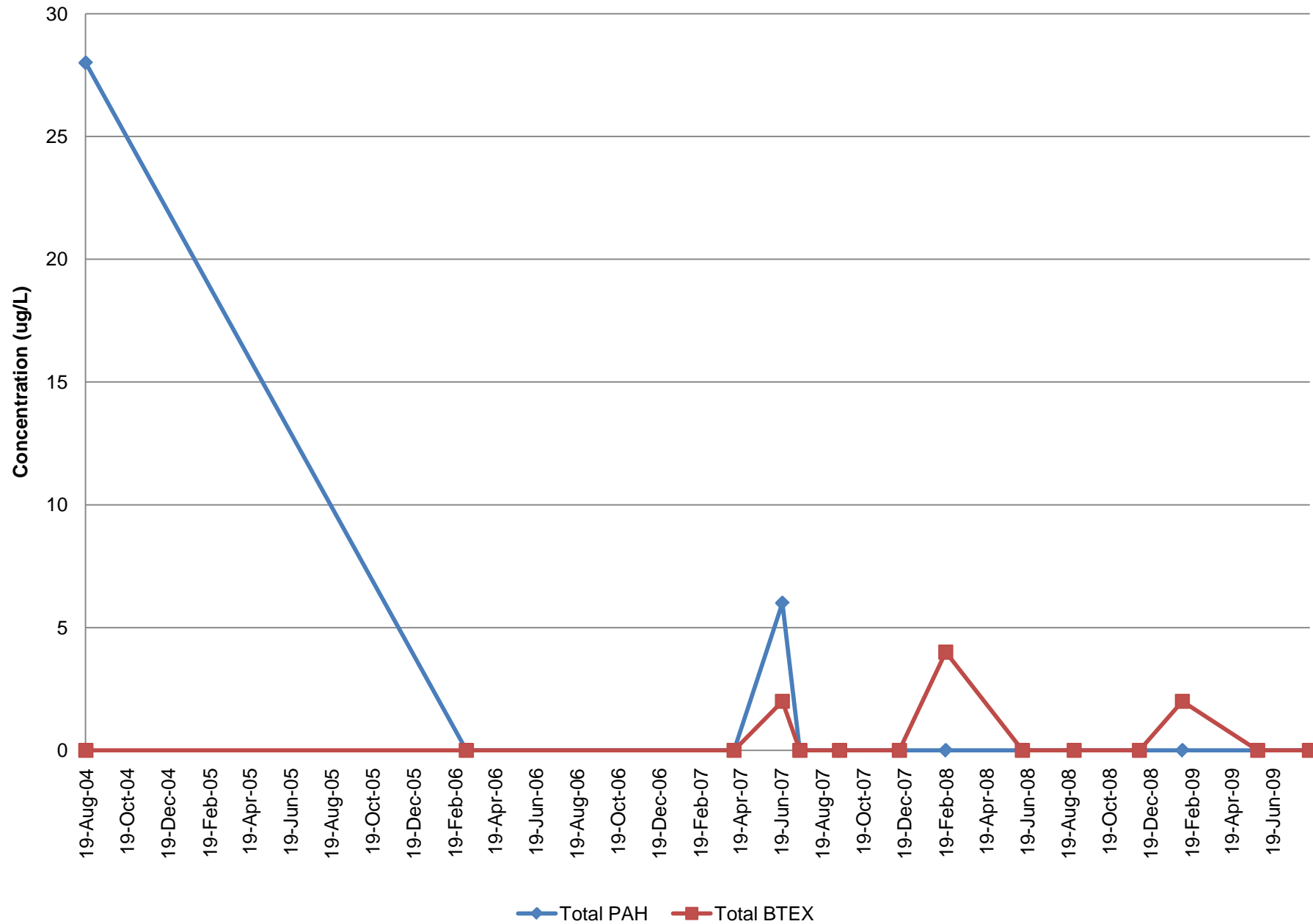
Monitoring Well GM-05S 5.1-20.1 ft bgs



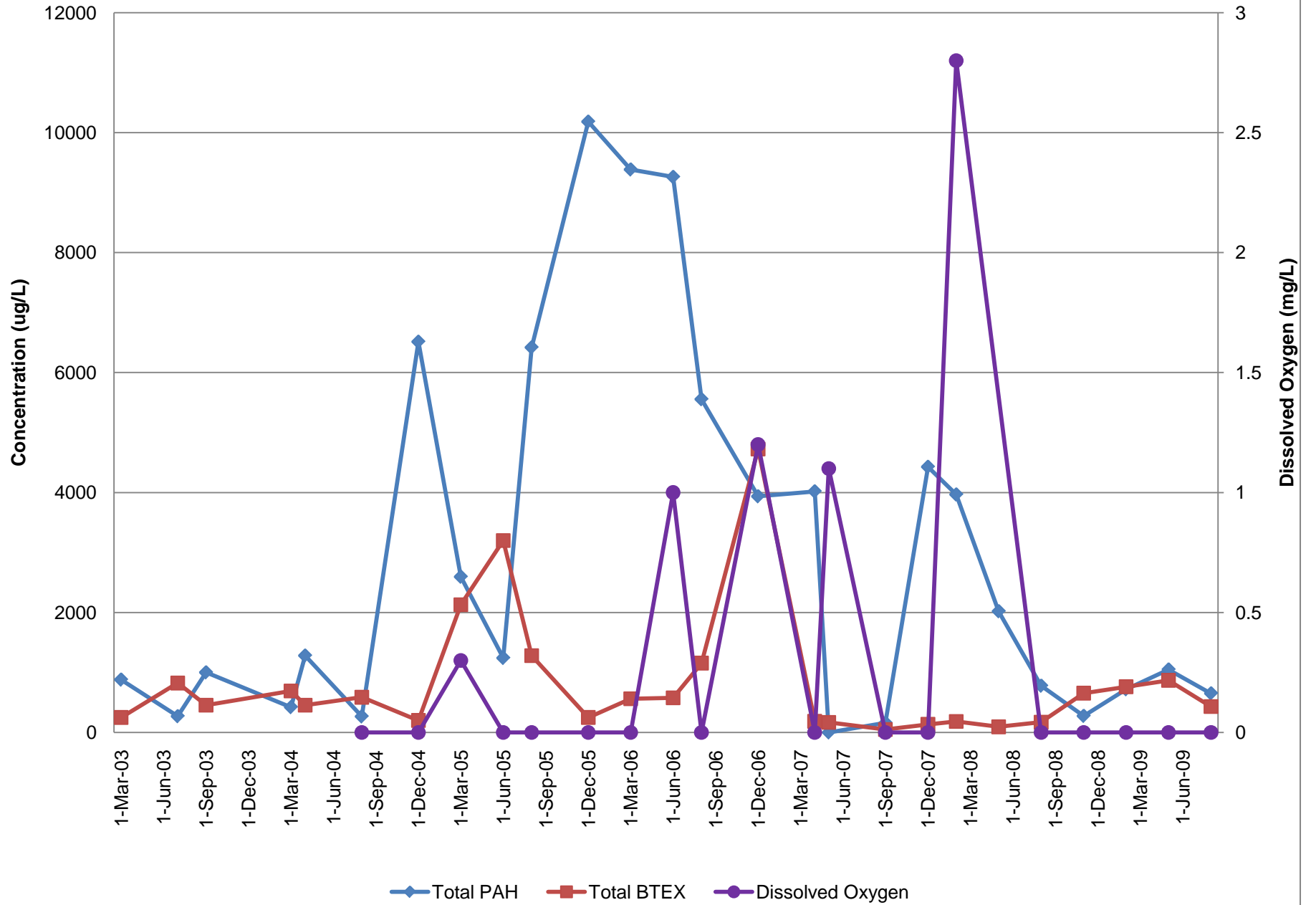
Monitoring Well GM-05I 35.05-48.05 ft bgs



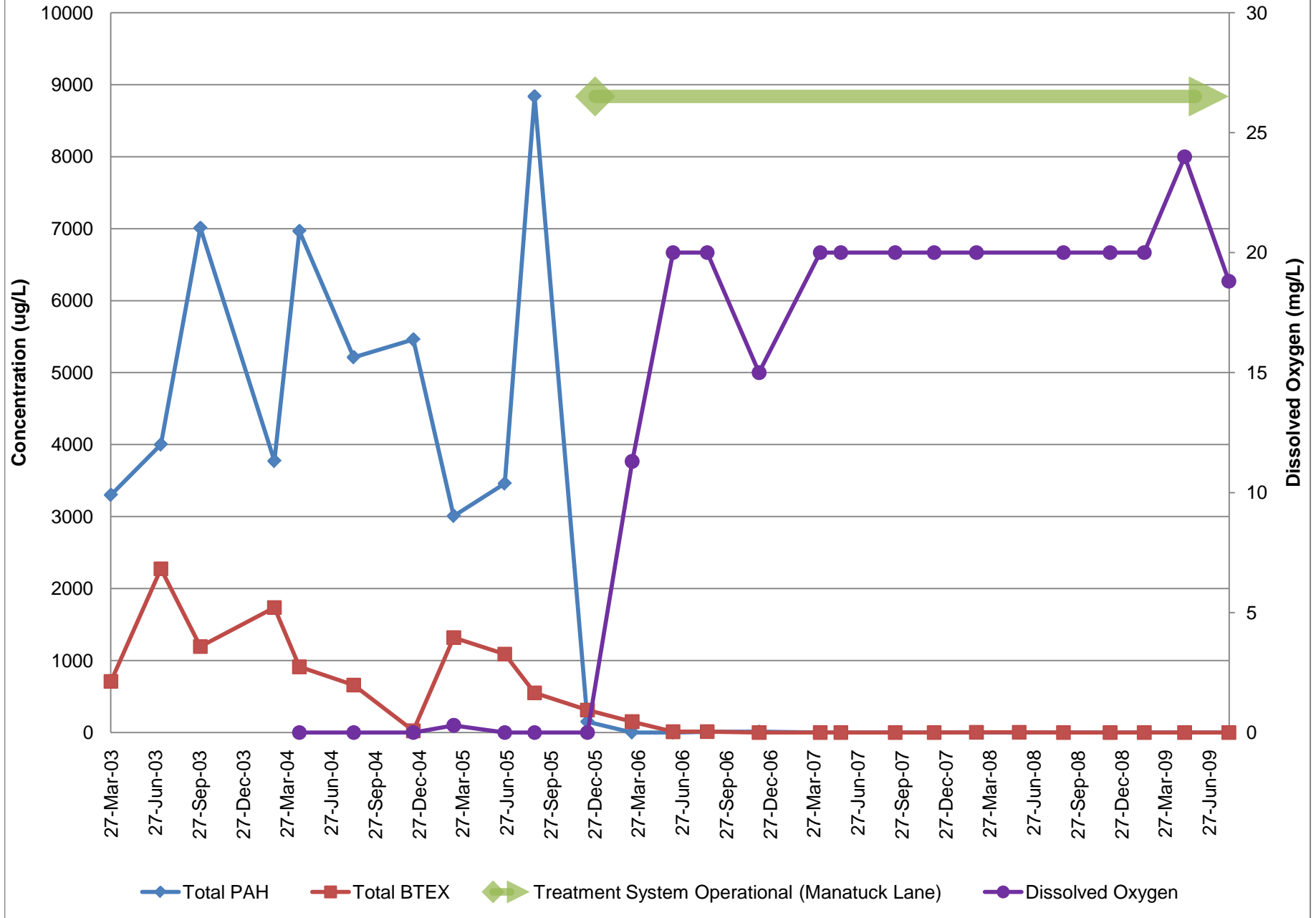
Monitoring Well GM-05D 60.95-75.95 ft bgs



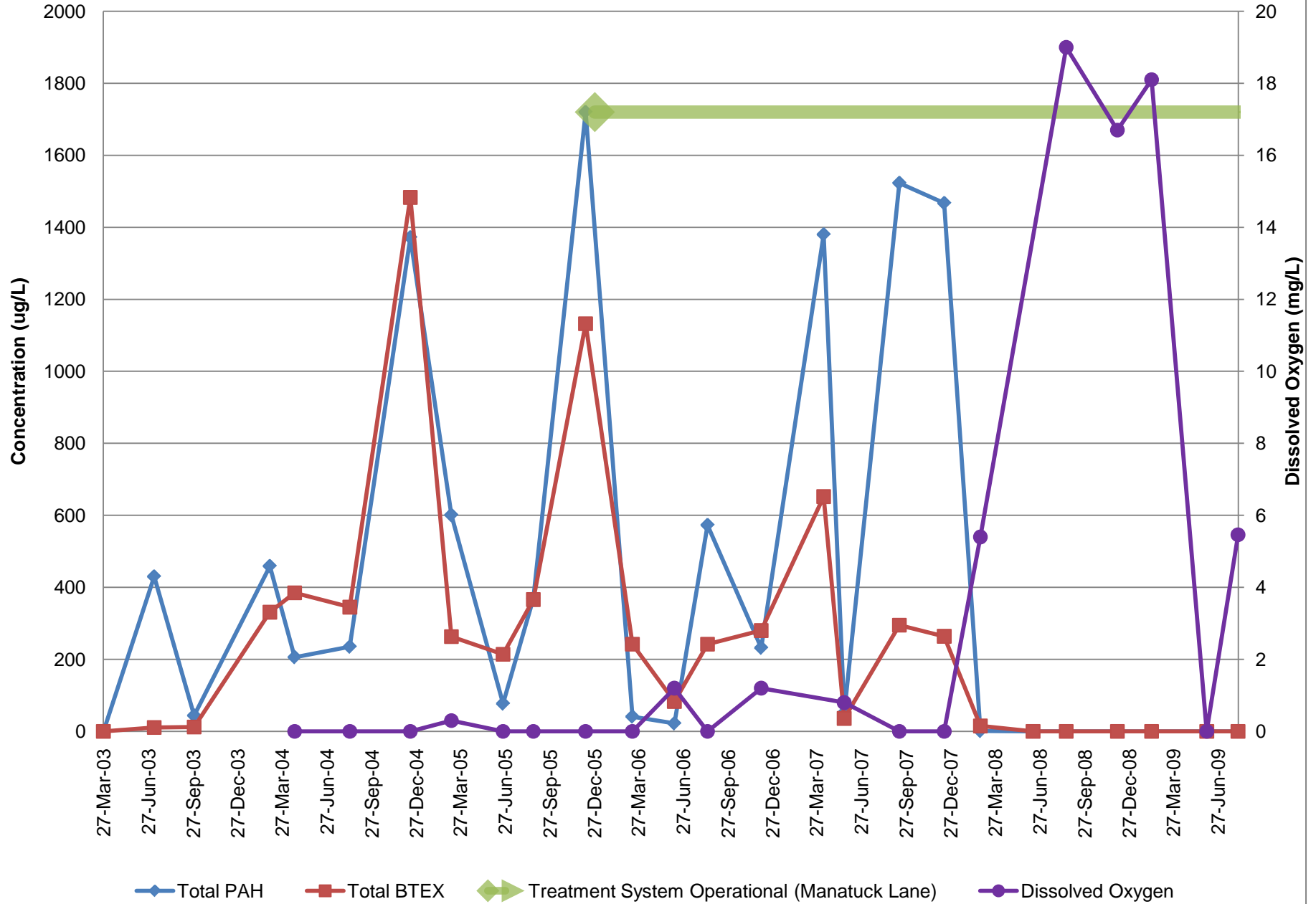
Monitoring Well GMP-01 25-30 ft bgs



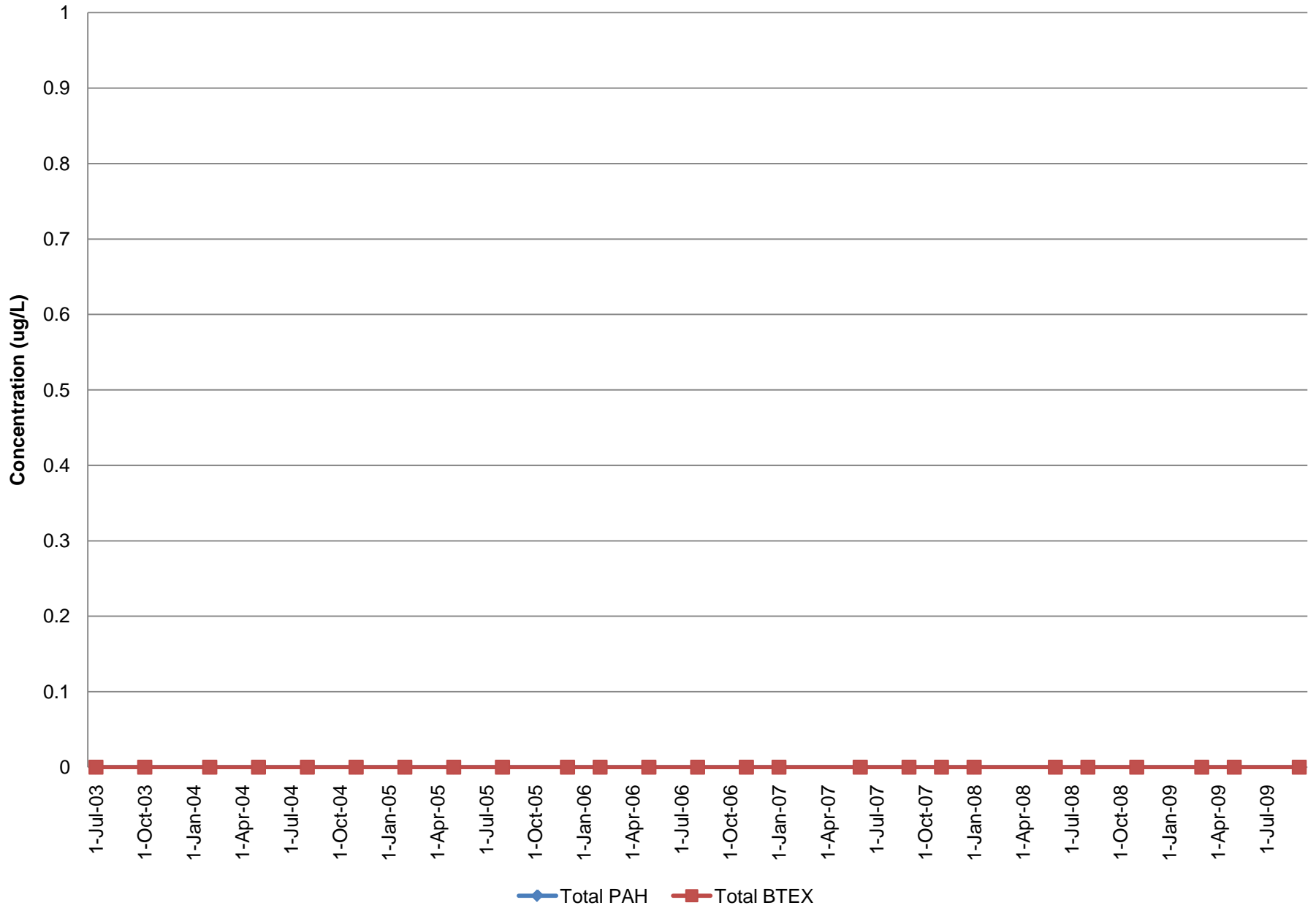
Monitoring Well GMP-02 18-23 ft bgs



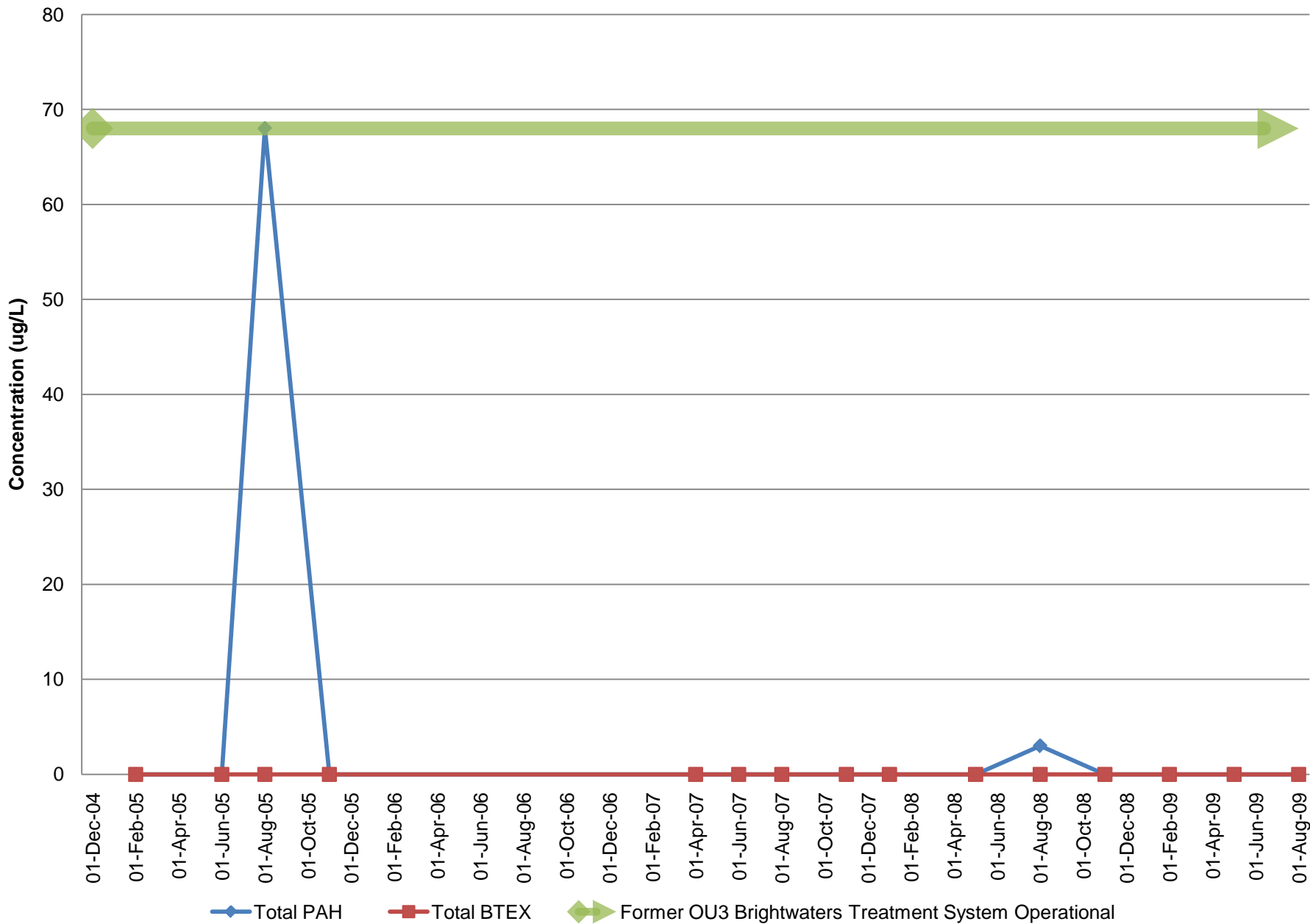
Monitoring Well GMP-04 15.5-20.5 ft bgs



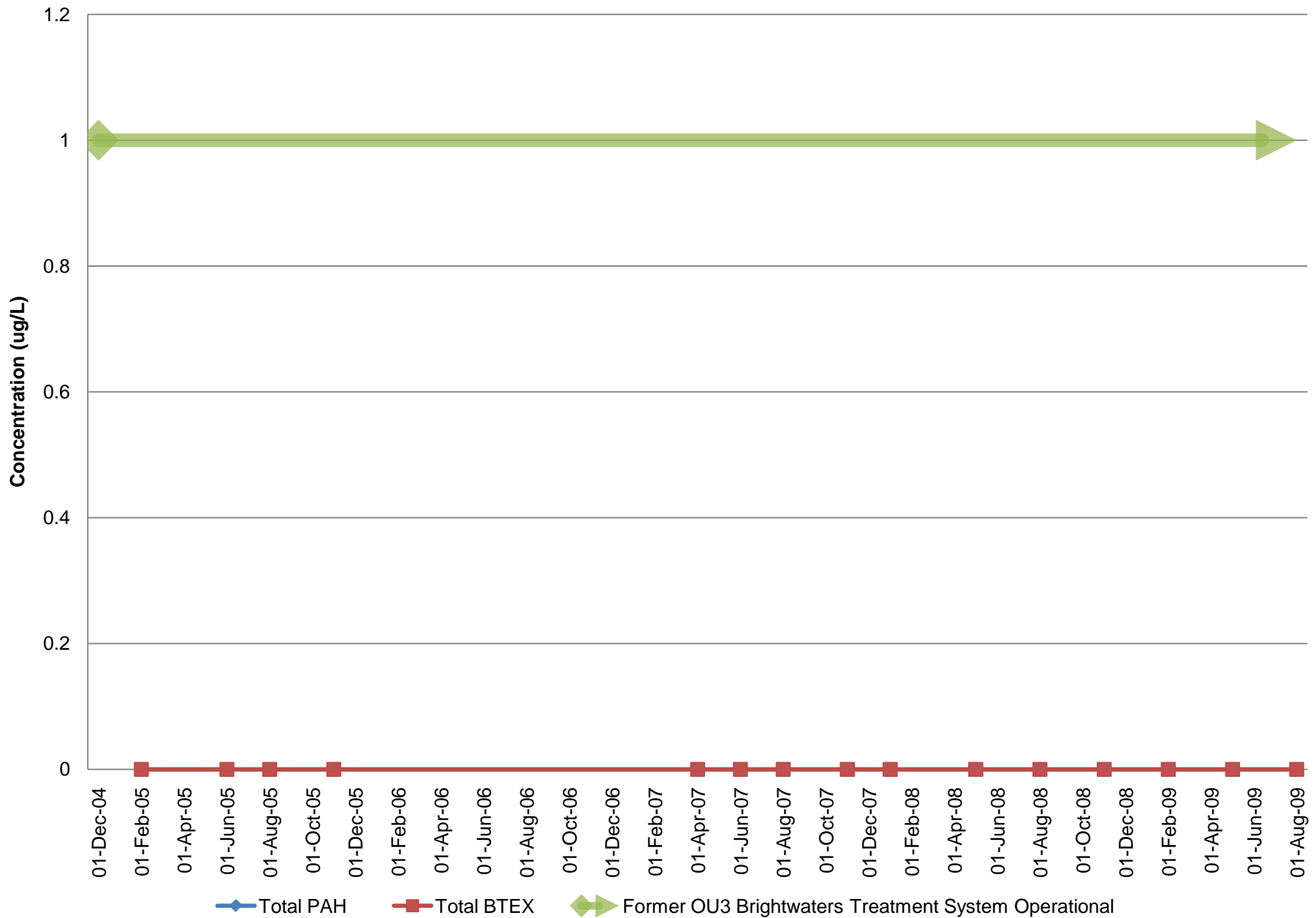
Monitoring Well BMW-09S 5-15 ft bgs



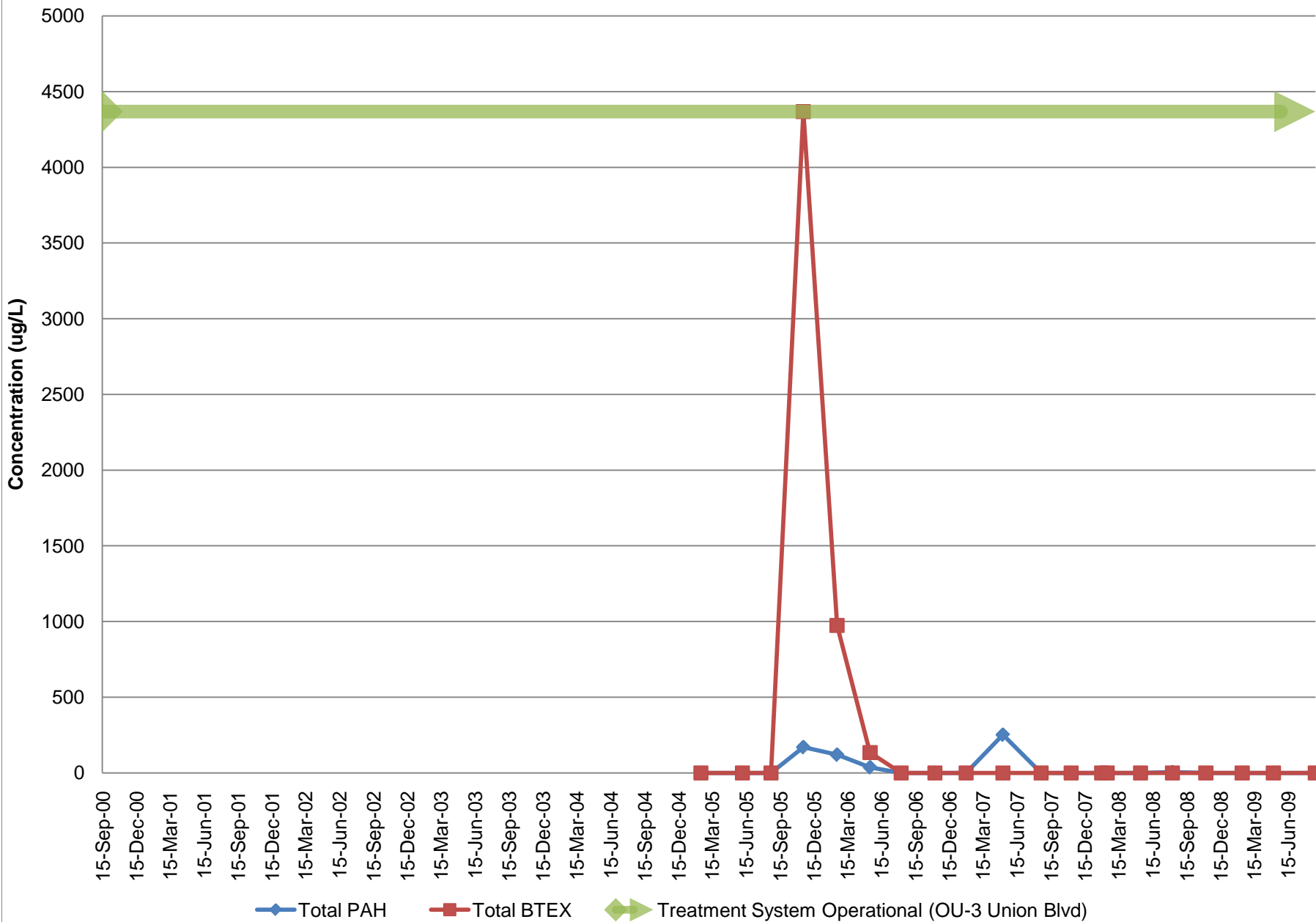
Monitoring Well BMW-28S 2-12 ft bgs



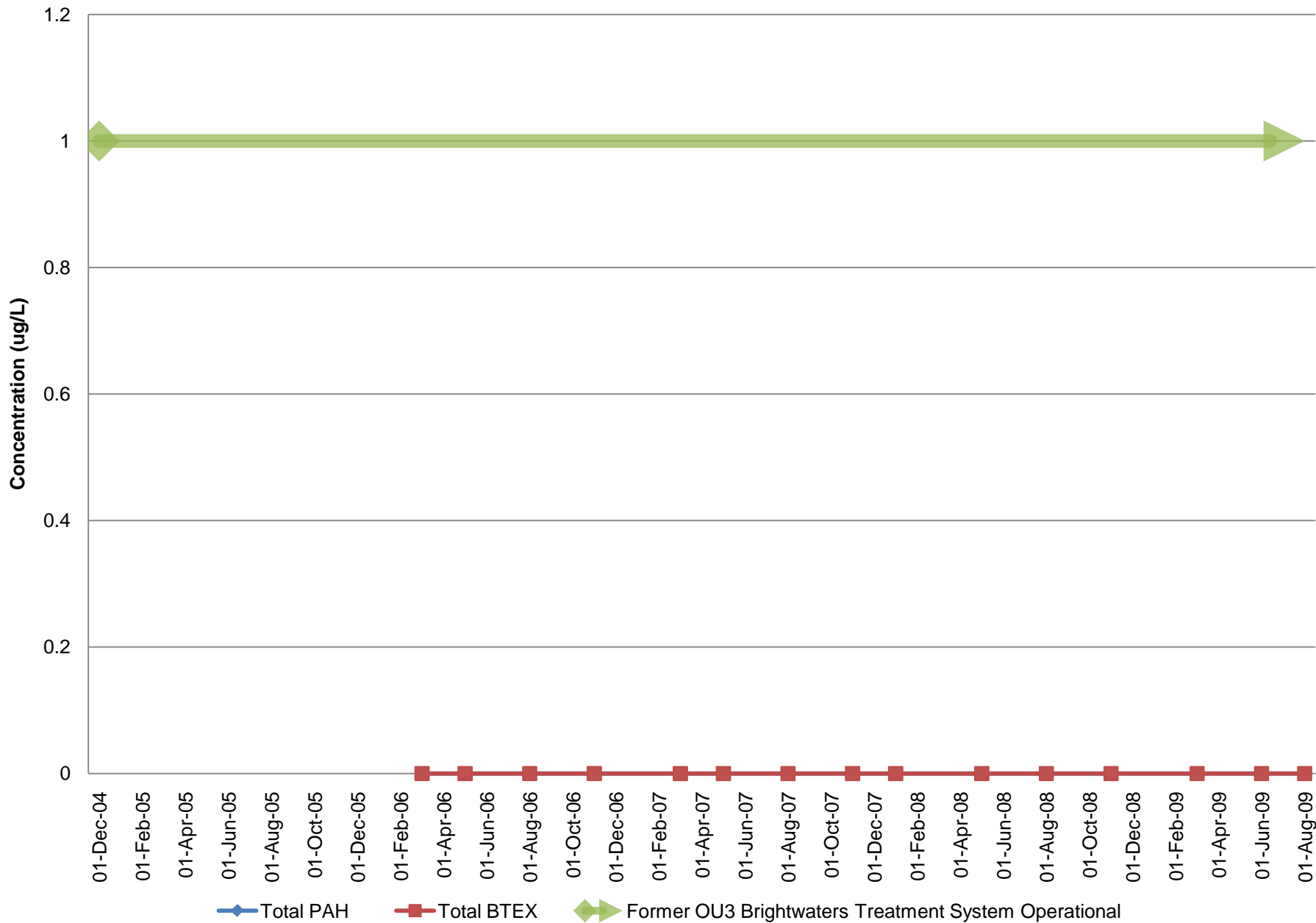
Monitoring Well BMW-28I 10-20 ft bgs



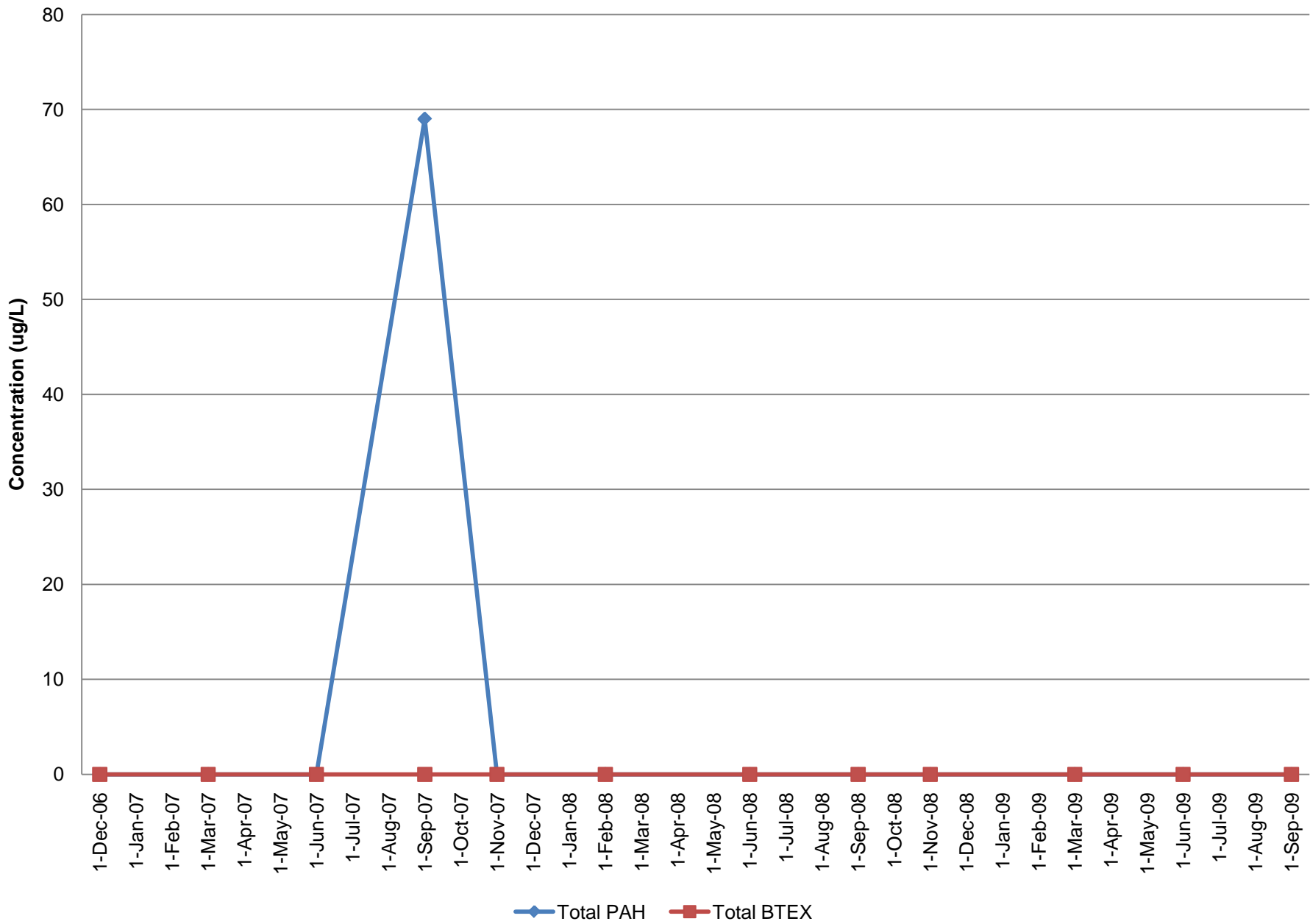
Monitoring Well BMW-29 2-9 ft bgs



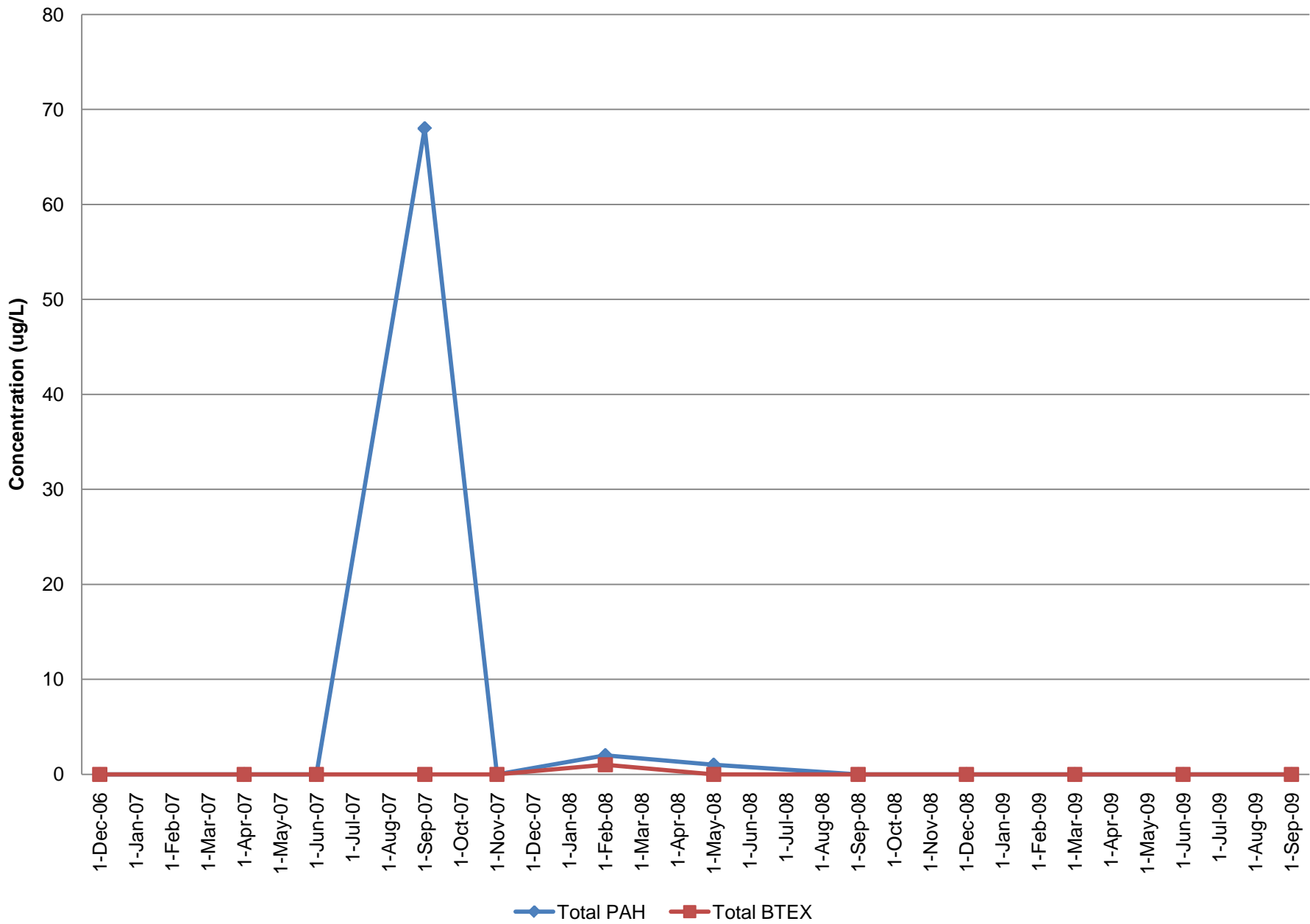
Monitoring Well BMW-33 7-12 ft bgs



Monitoring Well BW-UST-10 5-10 ft bgs

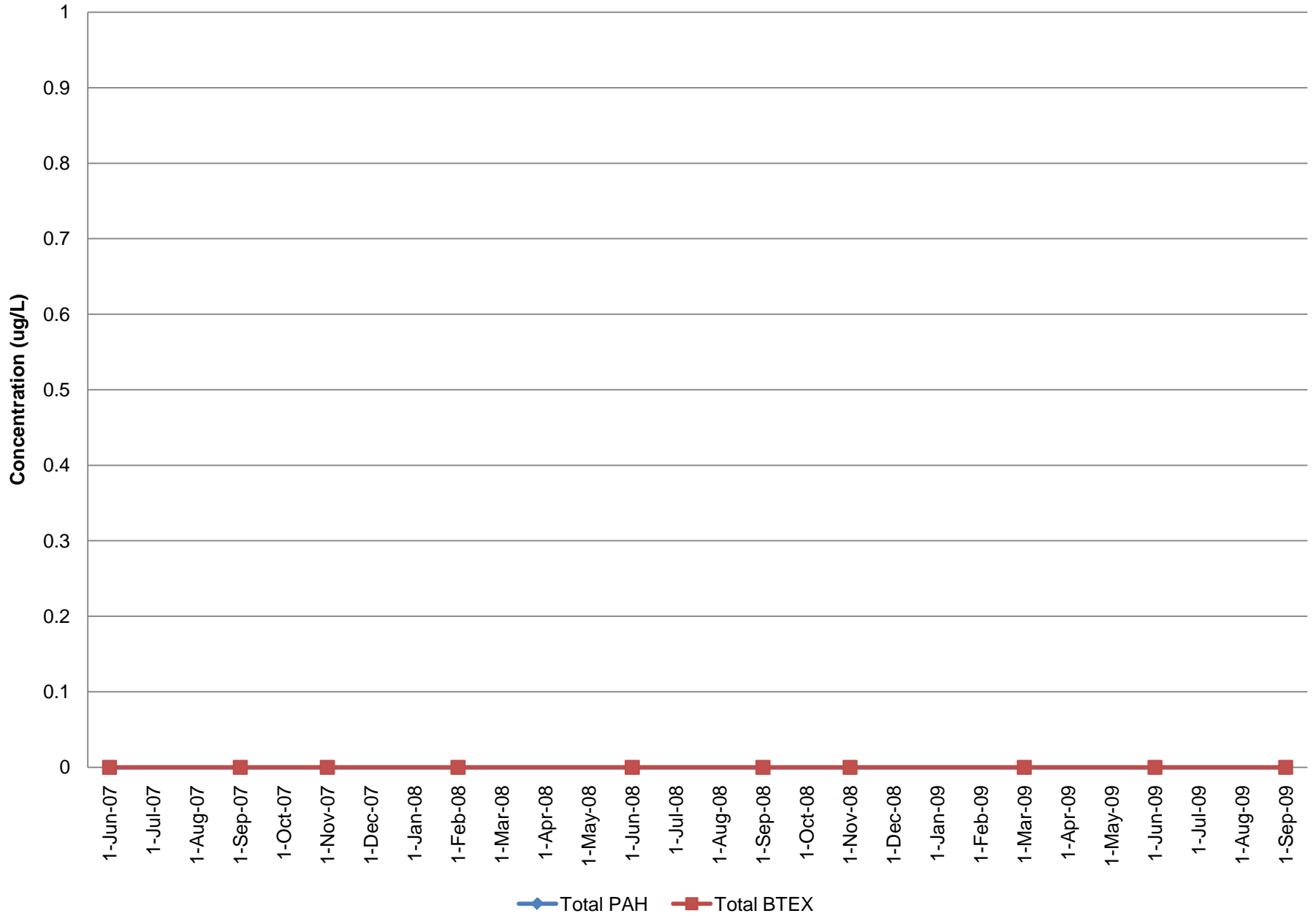


Monitoring Well BW-UST-11 5-10 ft bgs

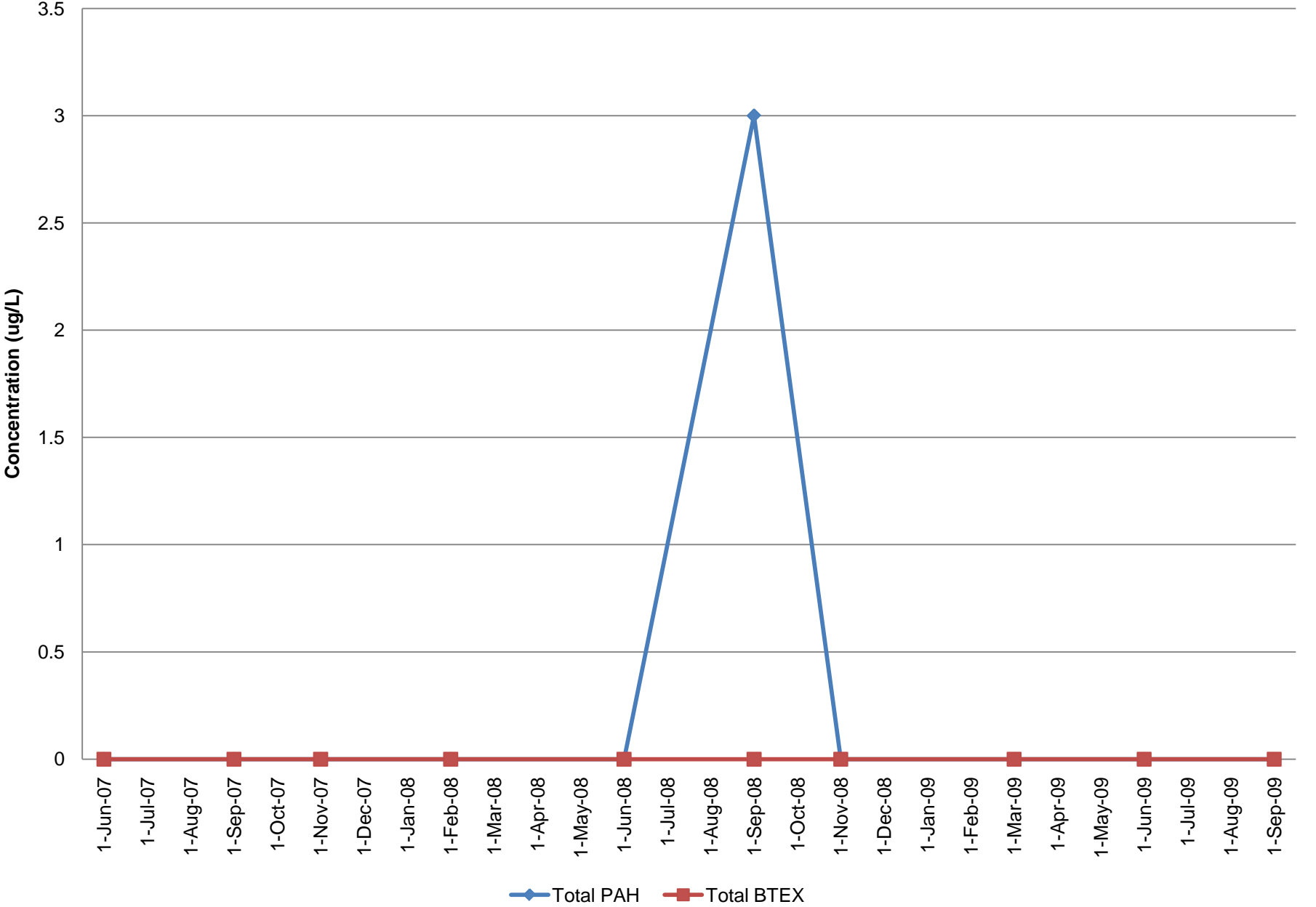


Monitoring Well BW-UST-28

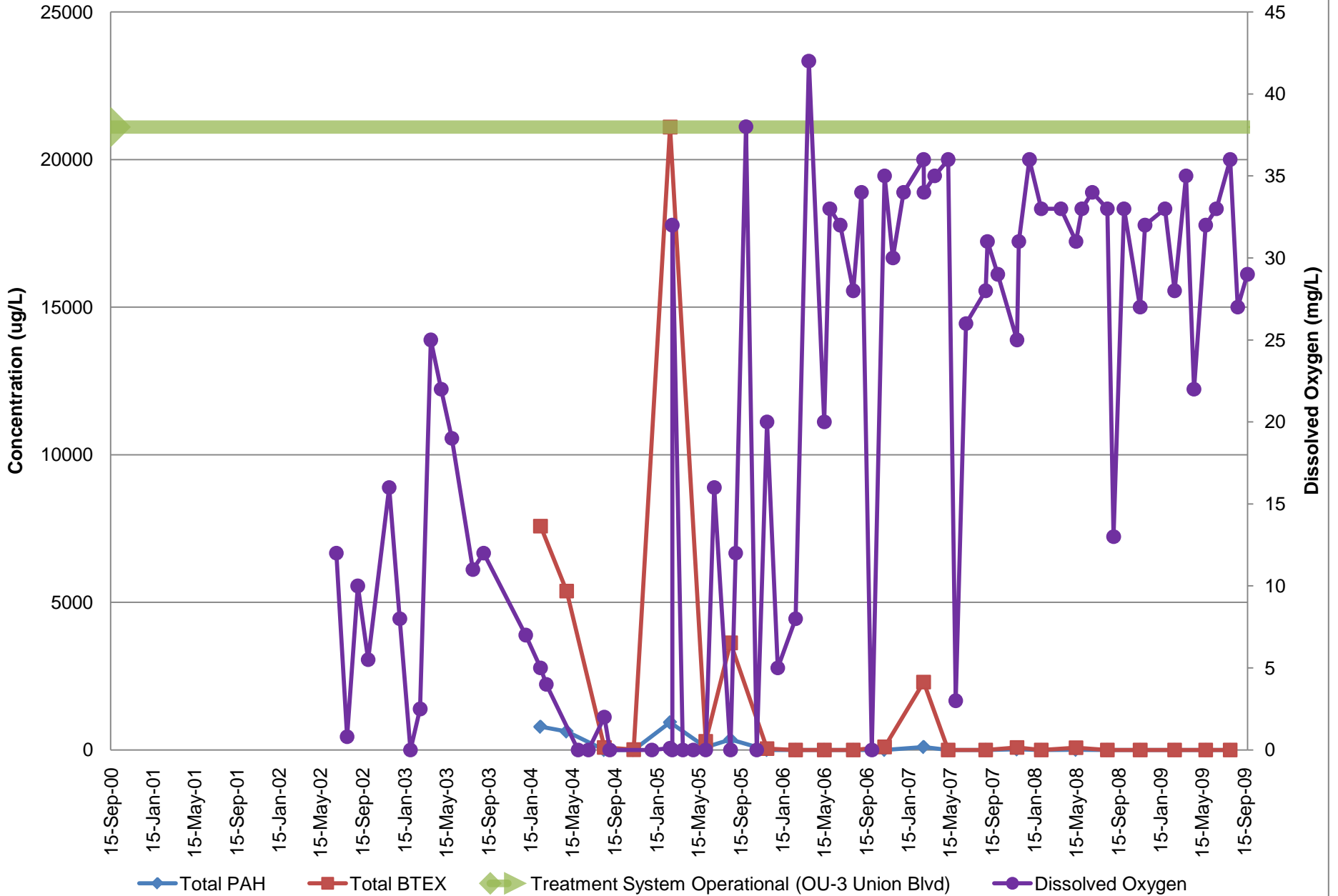
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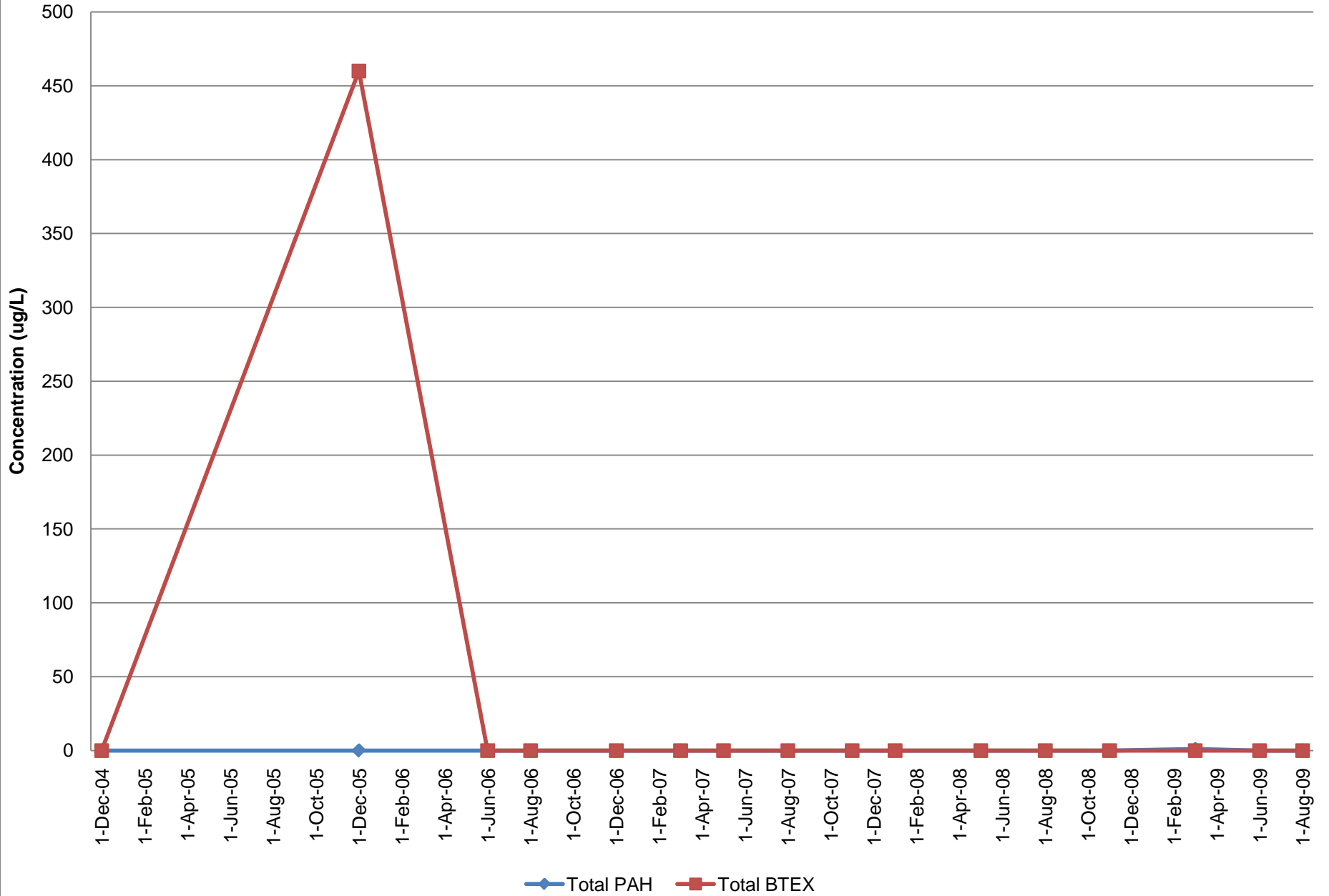
Monitoring Well BW-UST-29 5-10 ft bgs



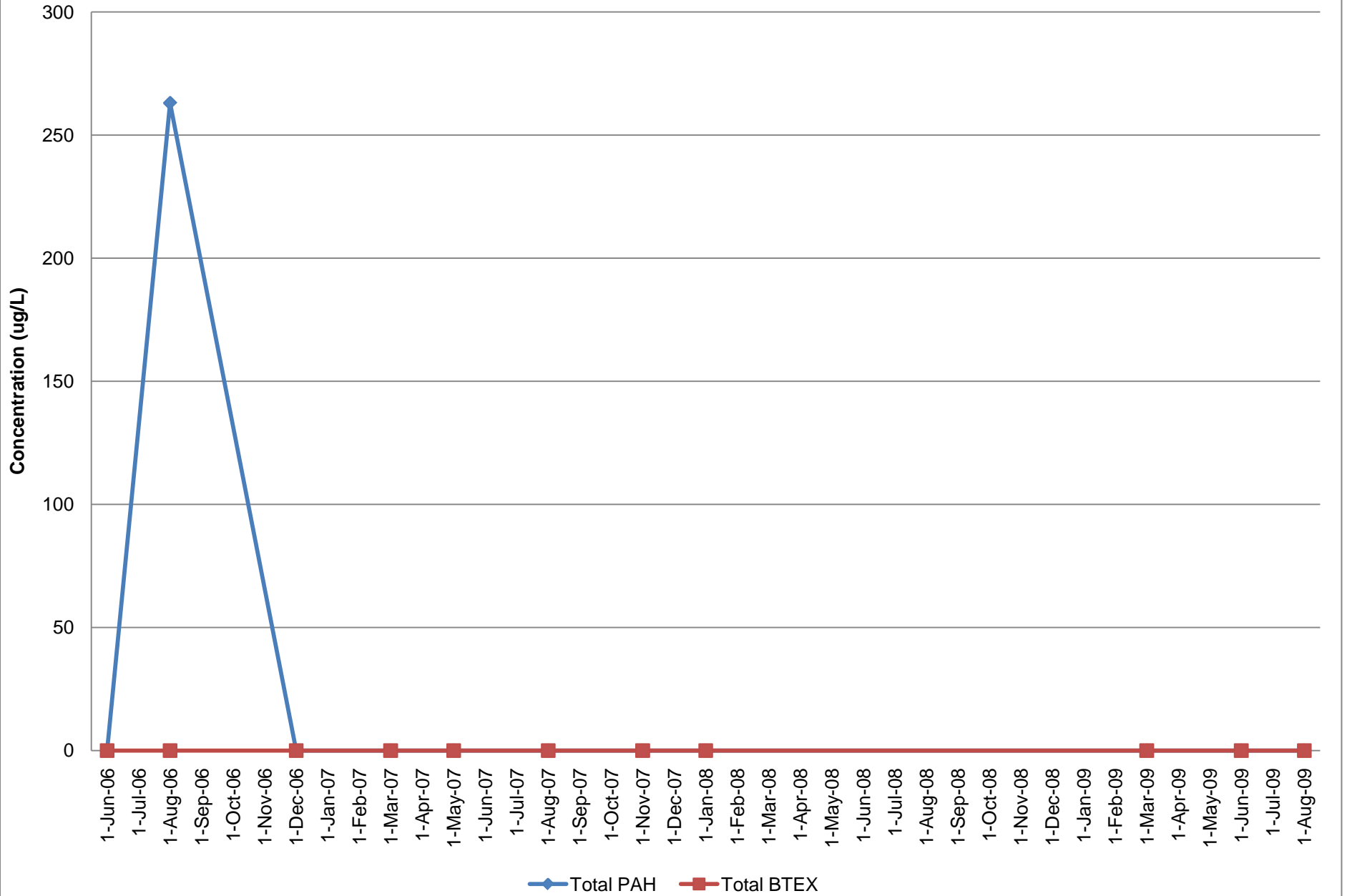
Monitoring Well IO-10 6-16 ft bgs



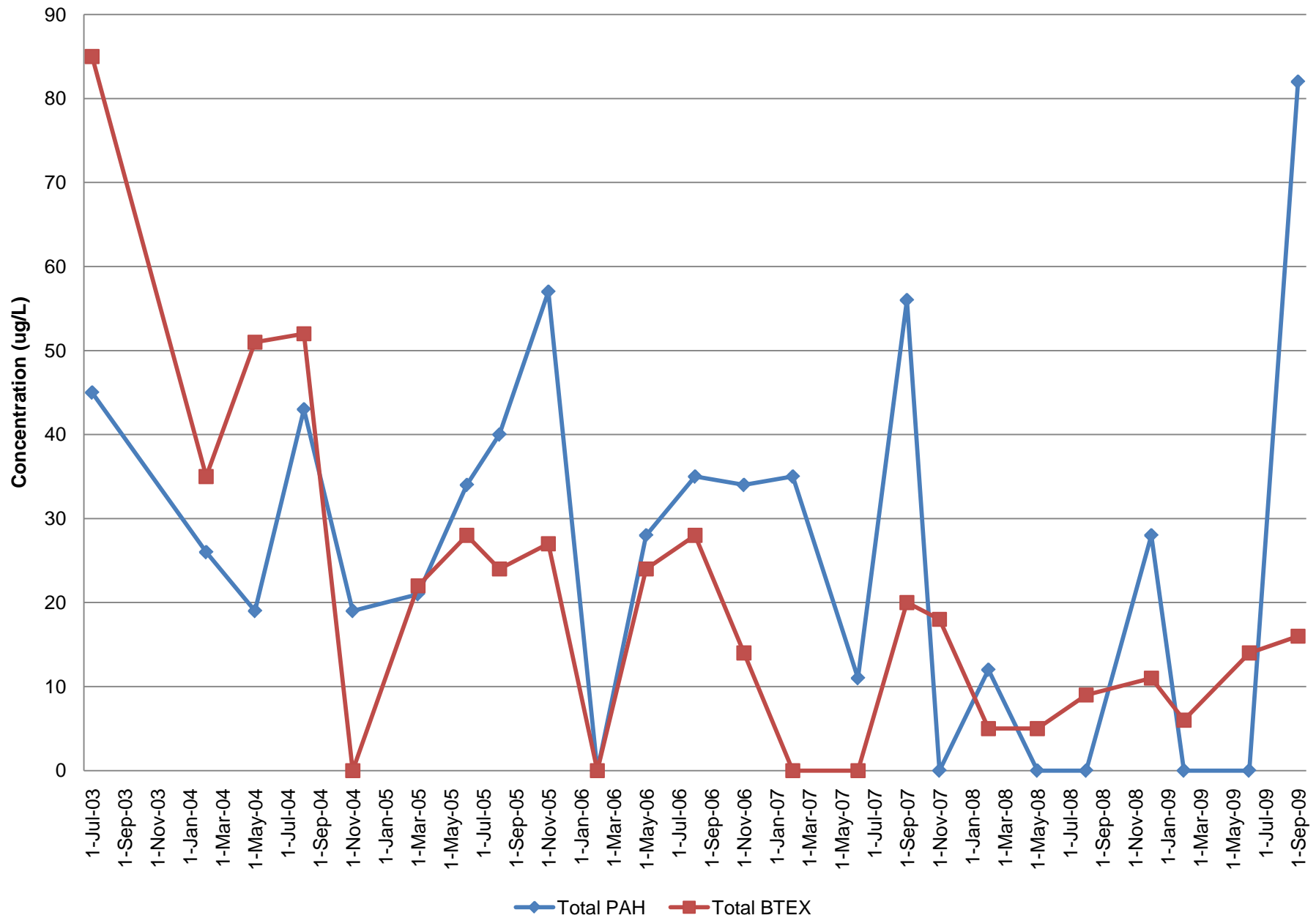
Monitoring Well MW-01S 4-14 ft bgs



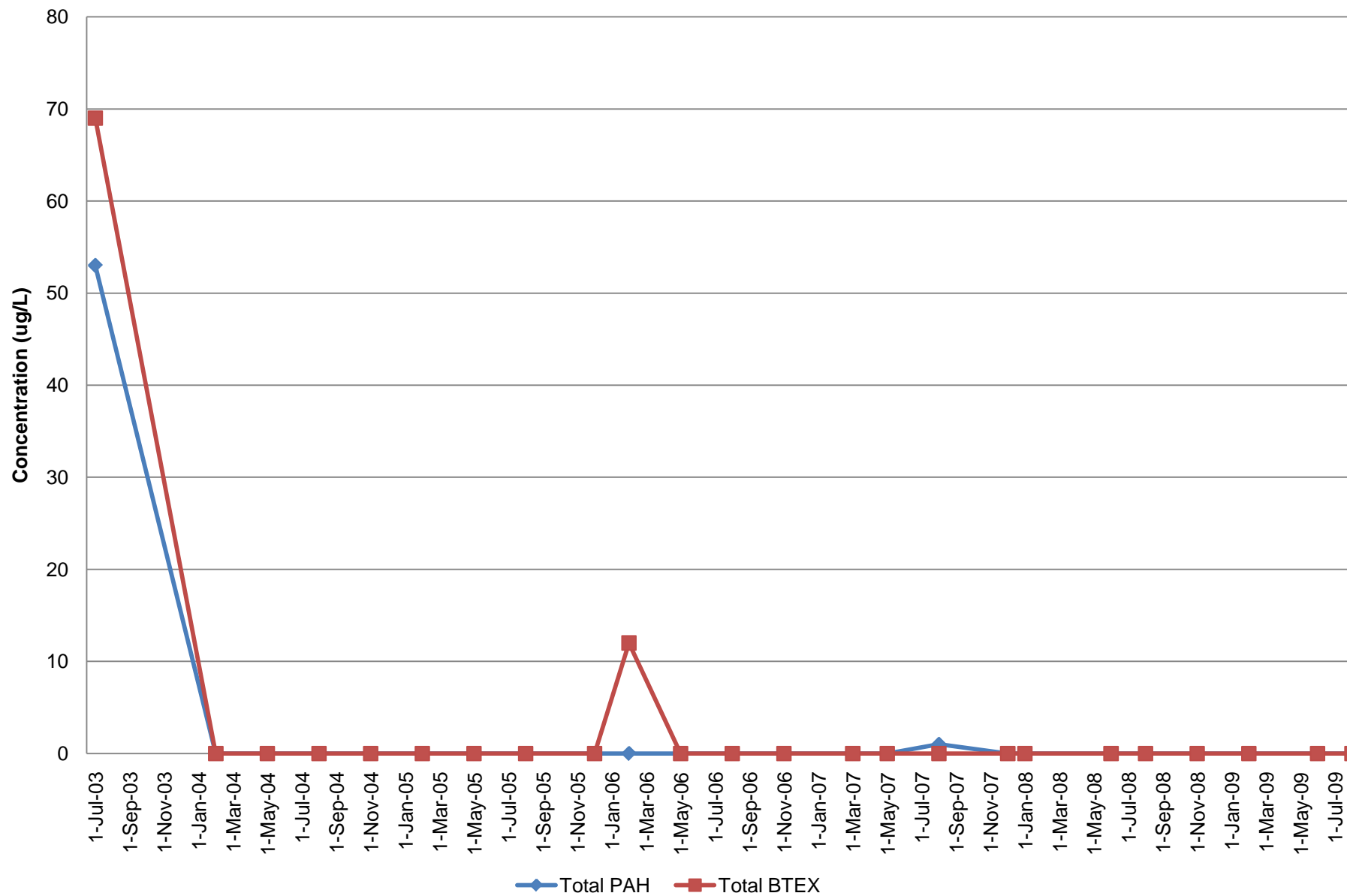
Monitoring Well MW-01D 35-45 ft bgs



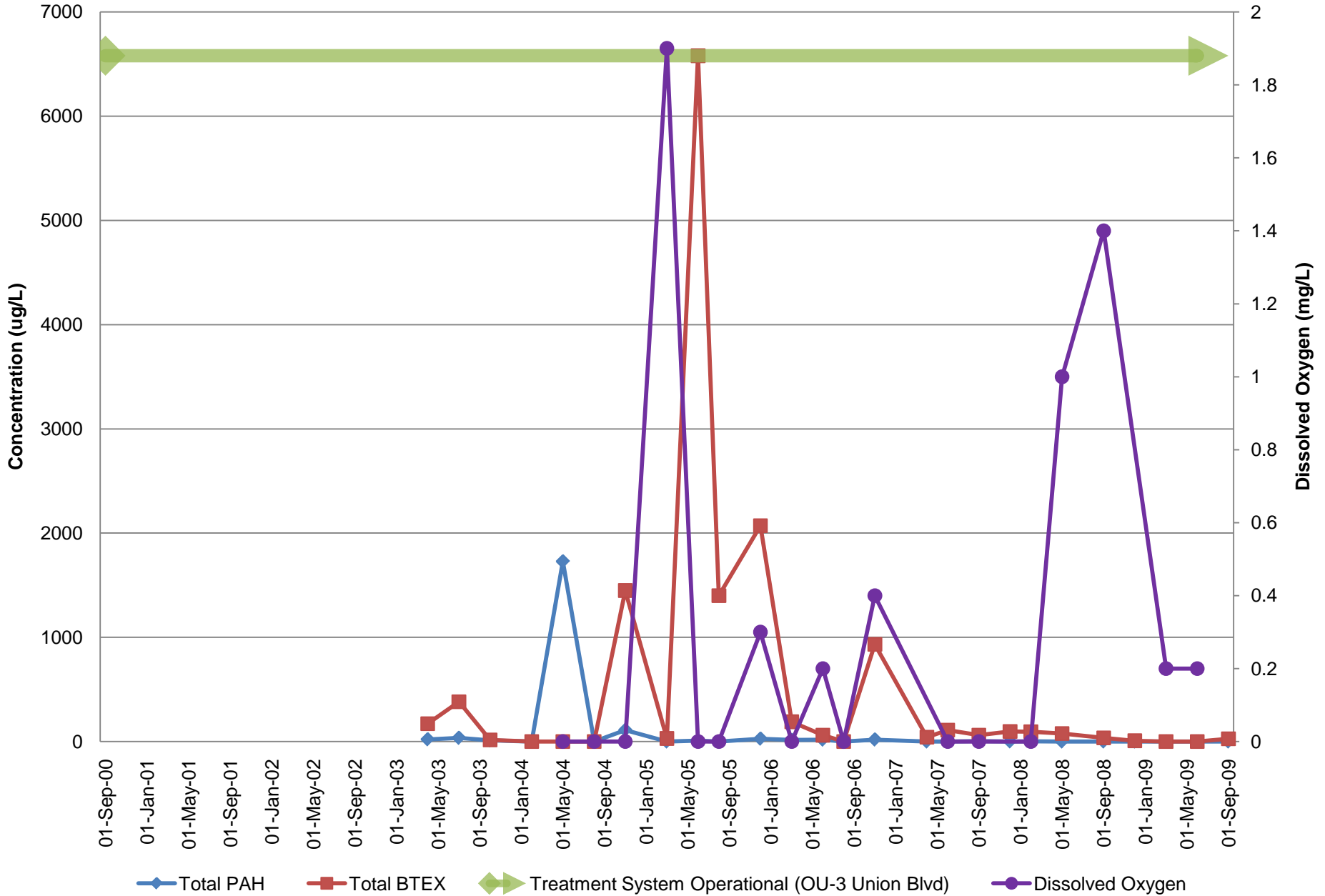
Monitoring Well MW-03 4.94-14.94 ft bgs



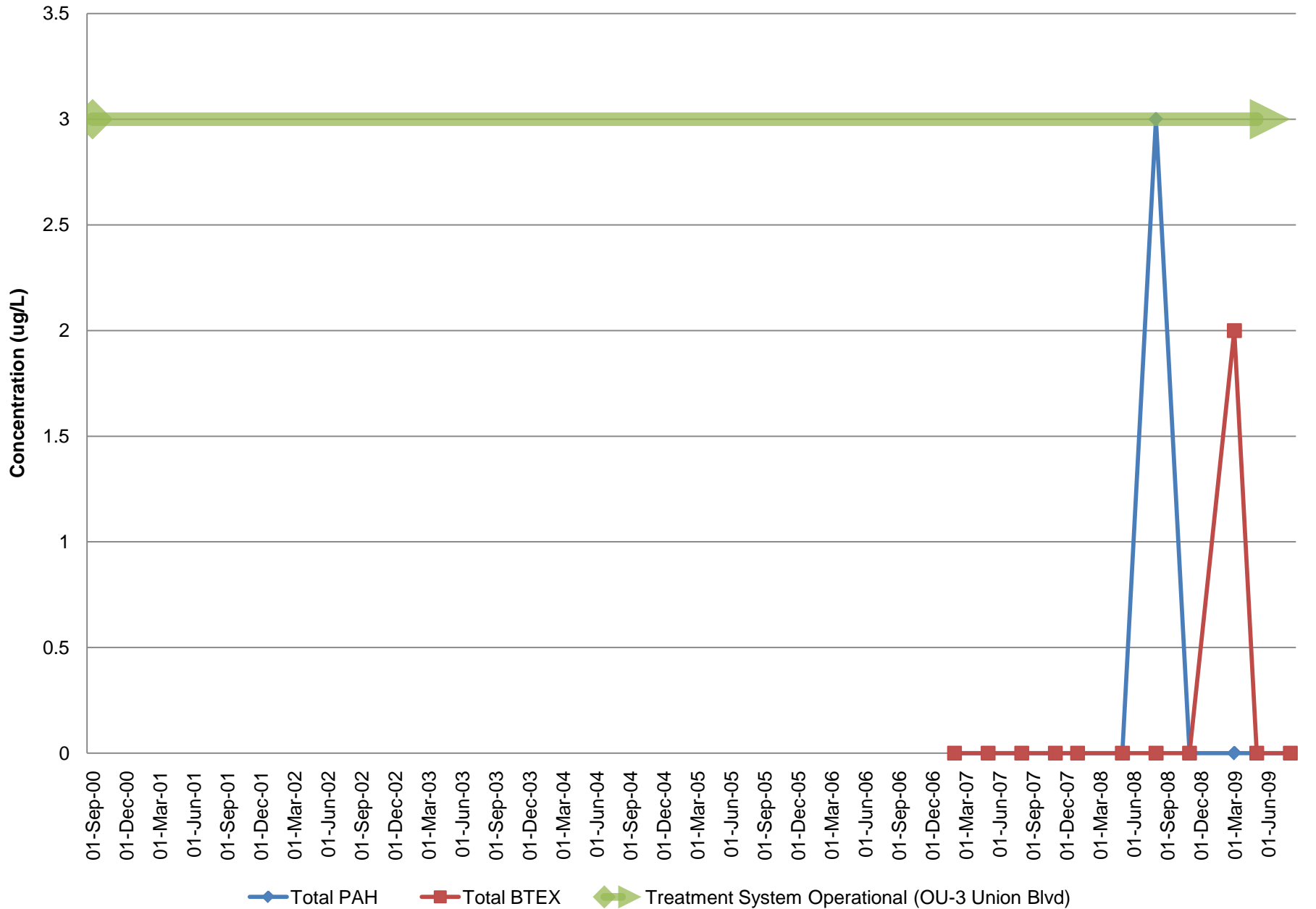
Monitoring Well MW-04 5.1-15.1ft bgs



Monitoring Well MW-11W 2-10 ft bgs

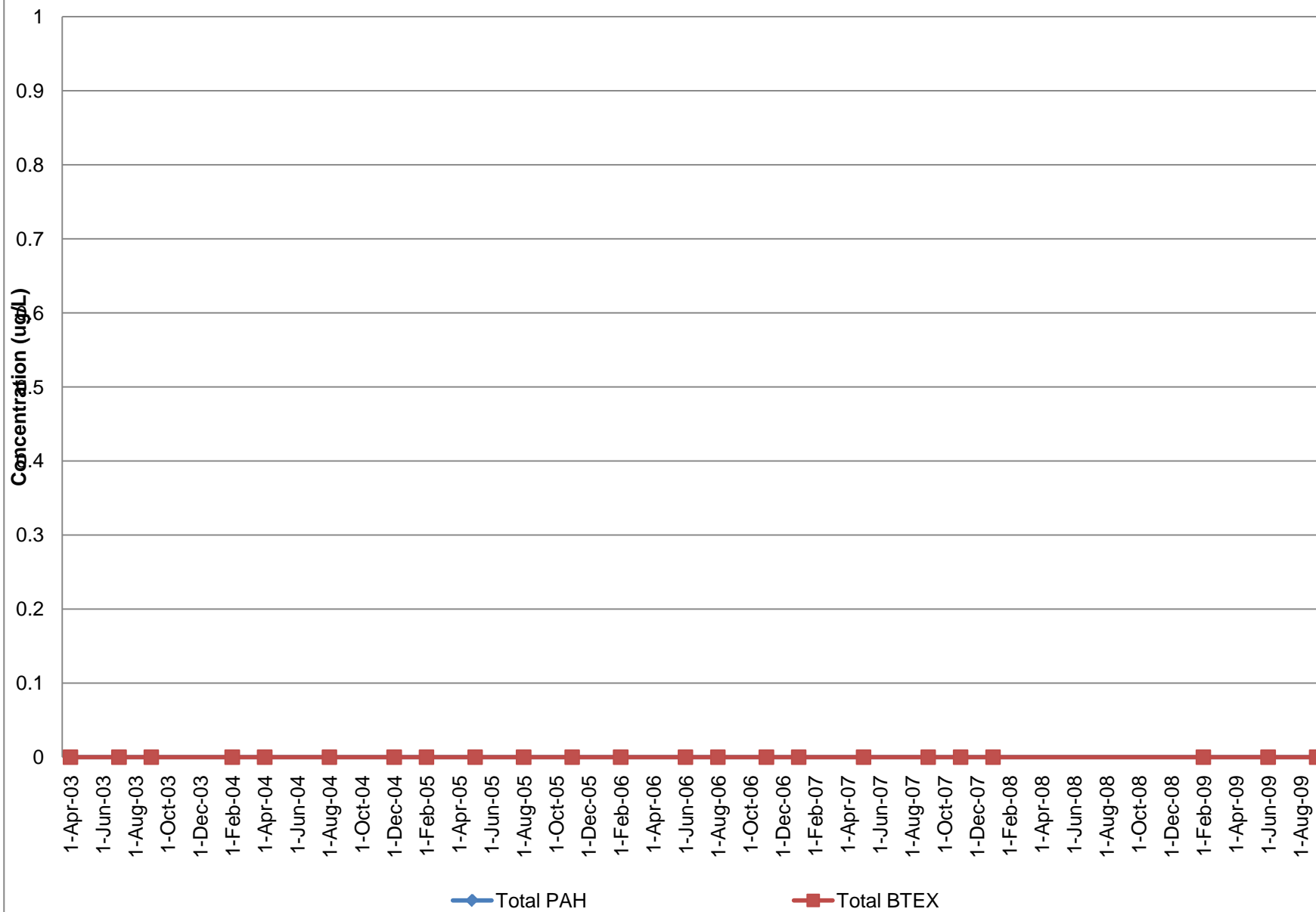


Monitoring Well MW-12W 2-10 ft bgs

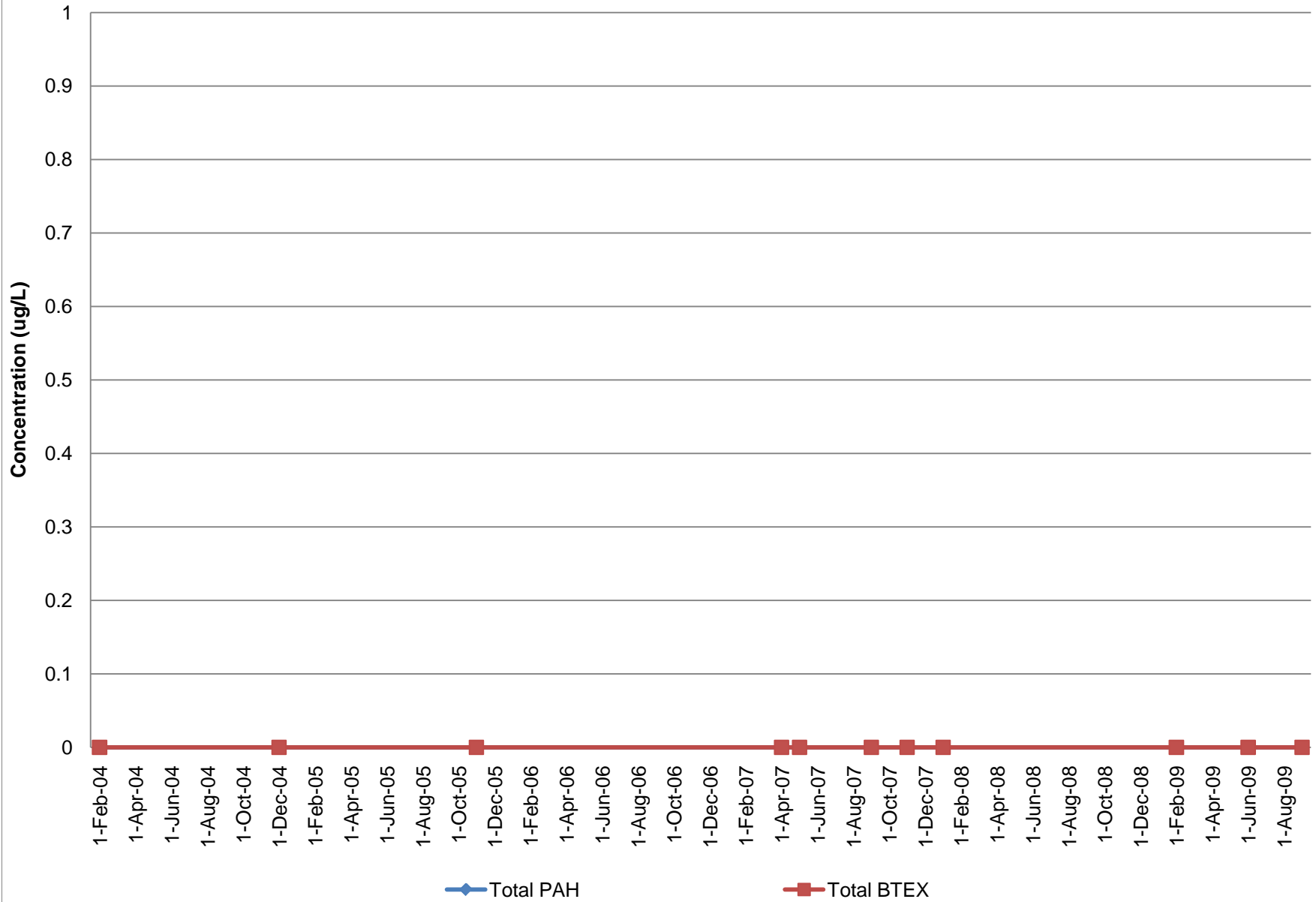


Monitoring Well MW-29S

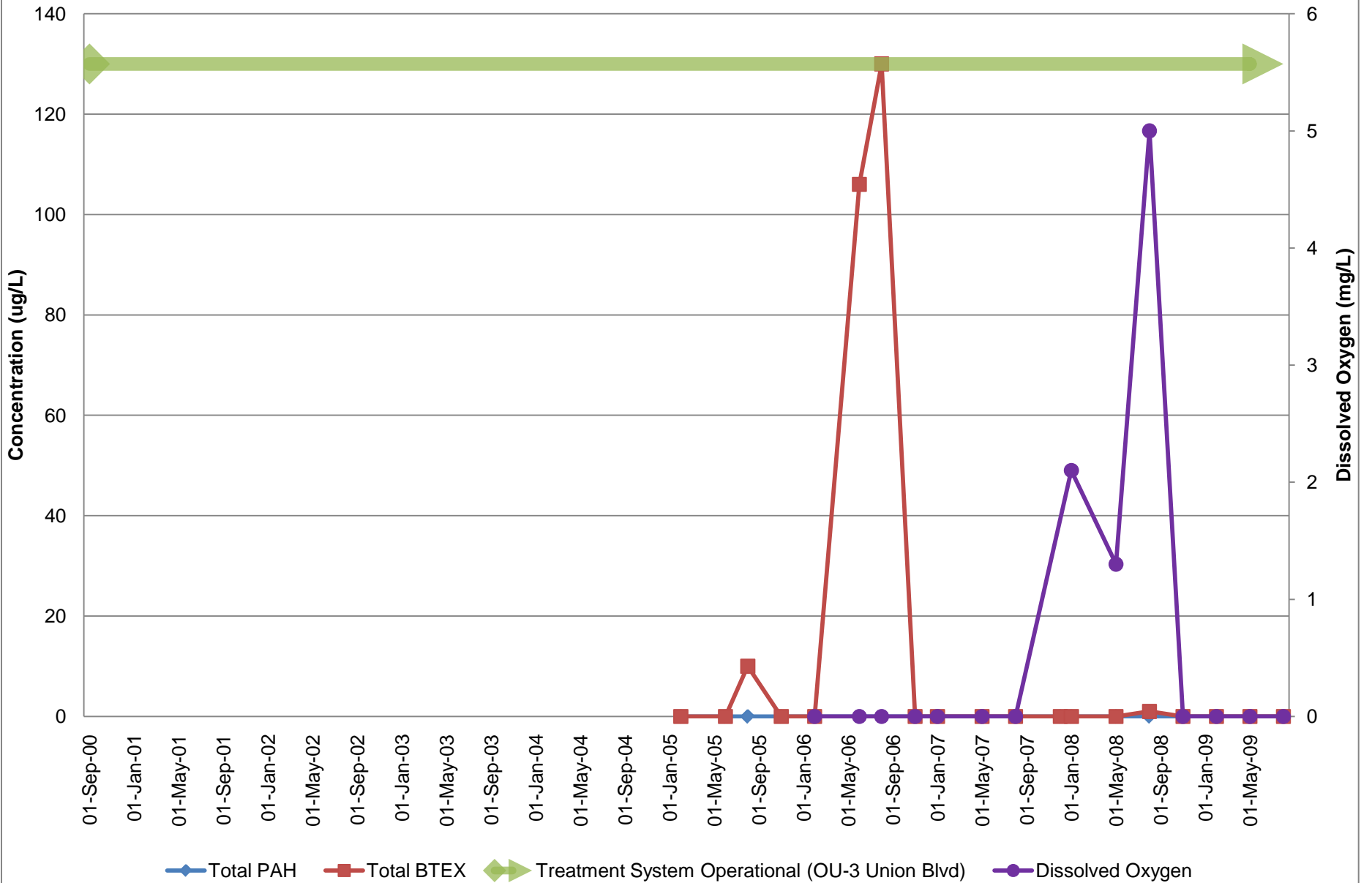
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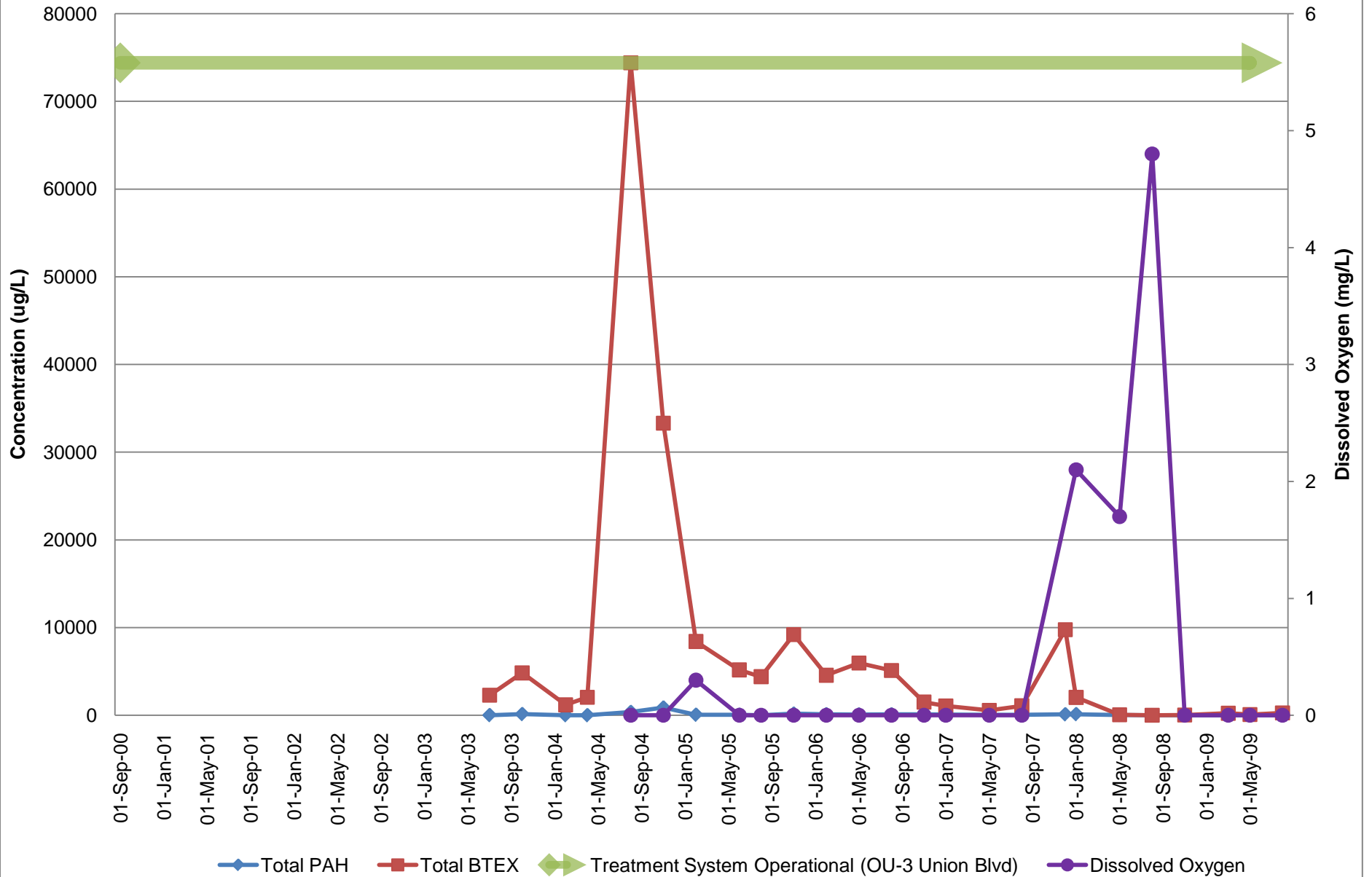
Monitoring Well MW-29D 14-19 ft bgs



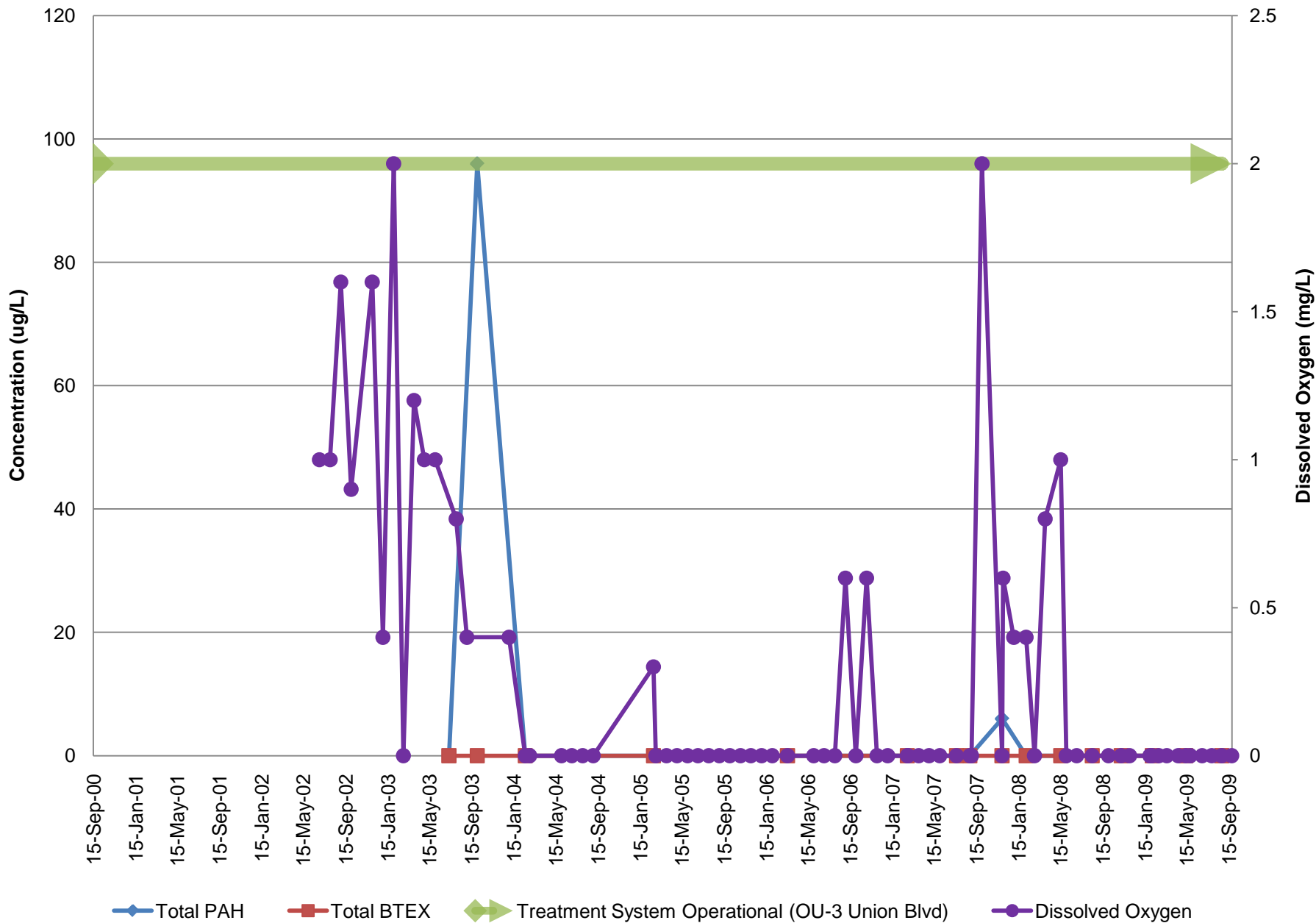
Monitoring Well MW-30W/W-R 2-10 ft bgs



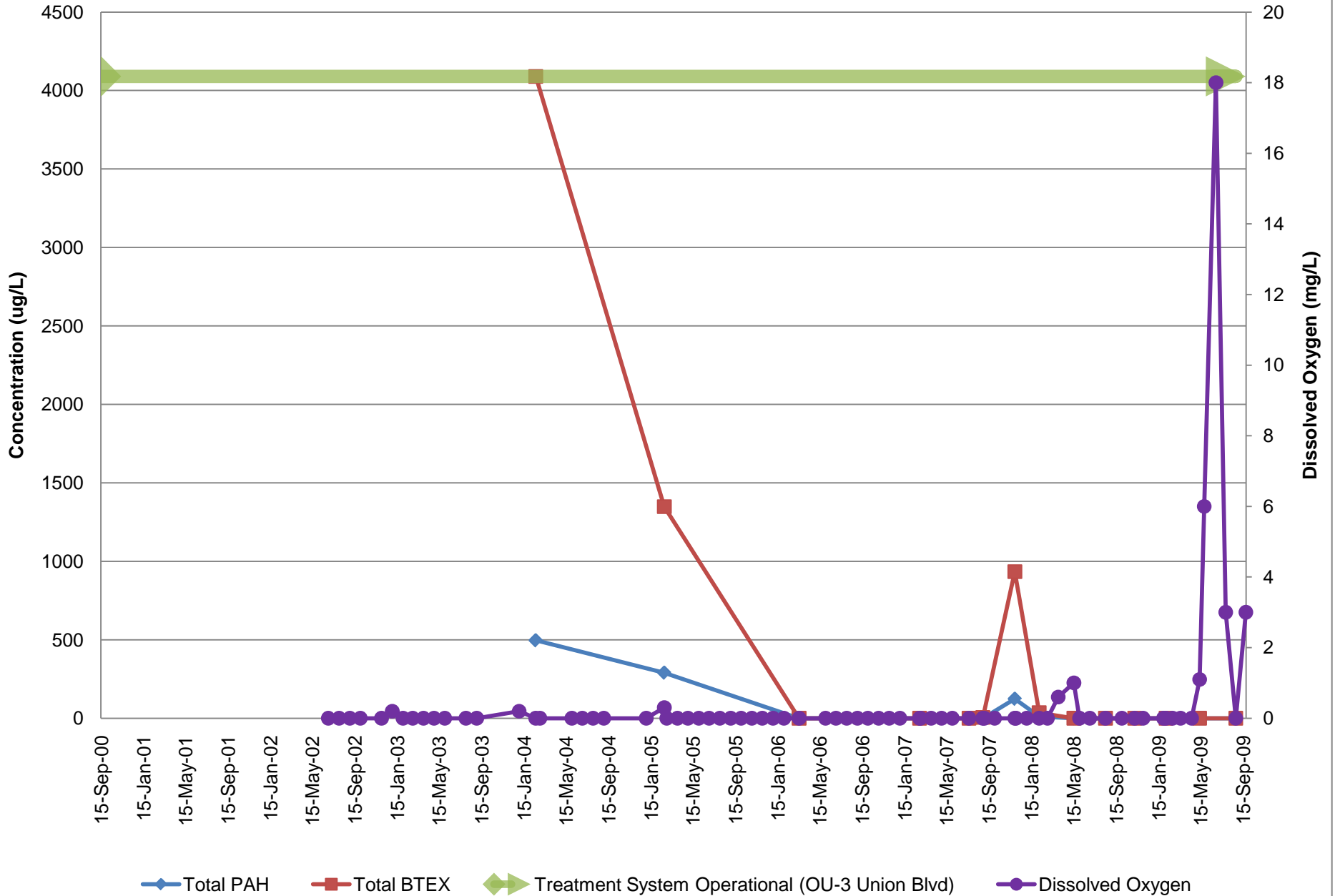
Monitoring Well MW-32W/W-R 2-10 ft bgs



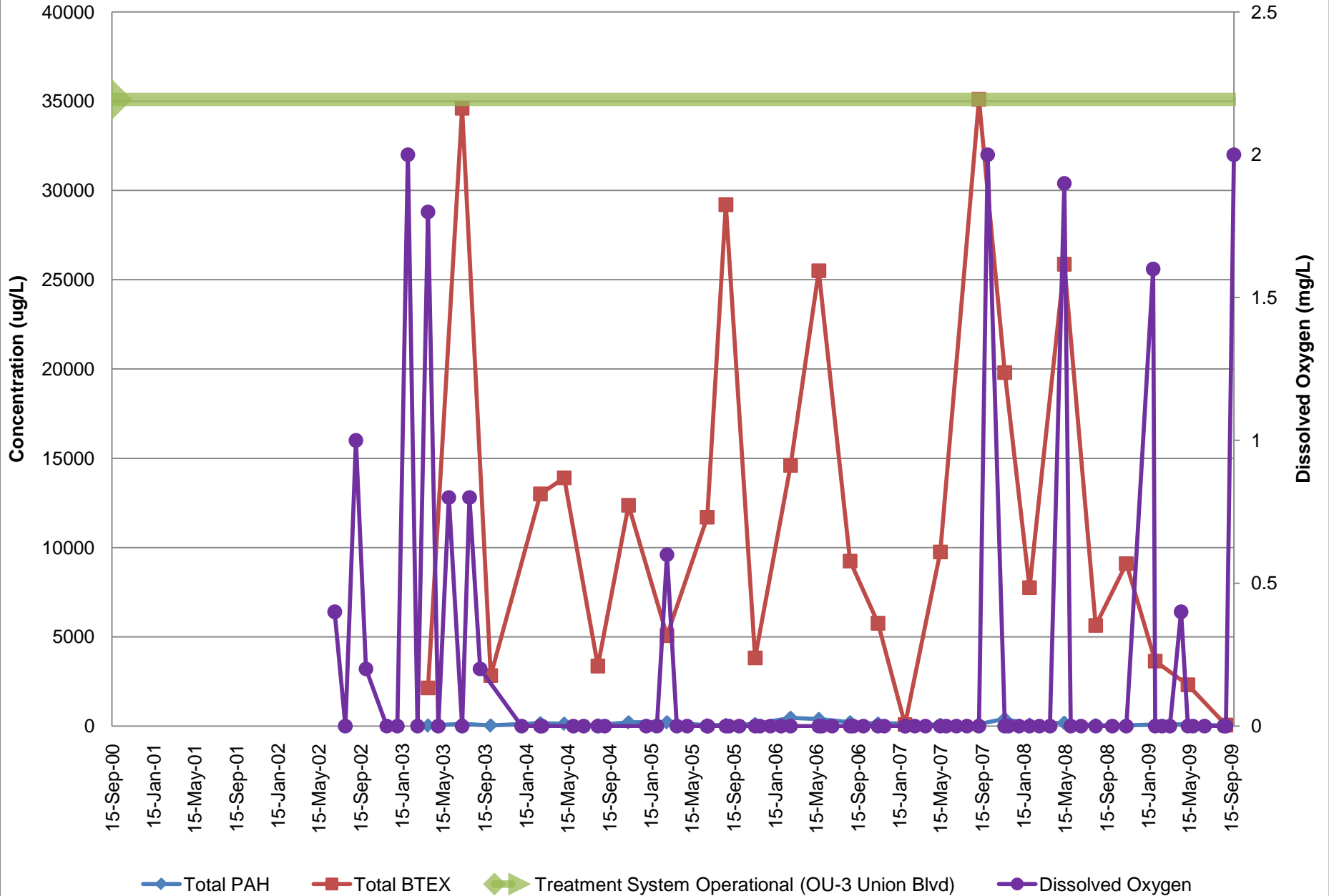
Monitoring Well MW-34D 27.5-28.5 ft bgs



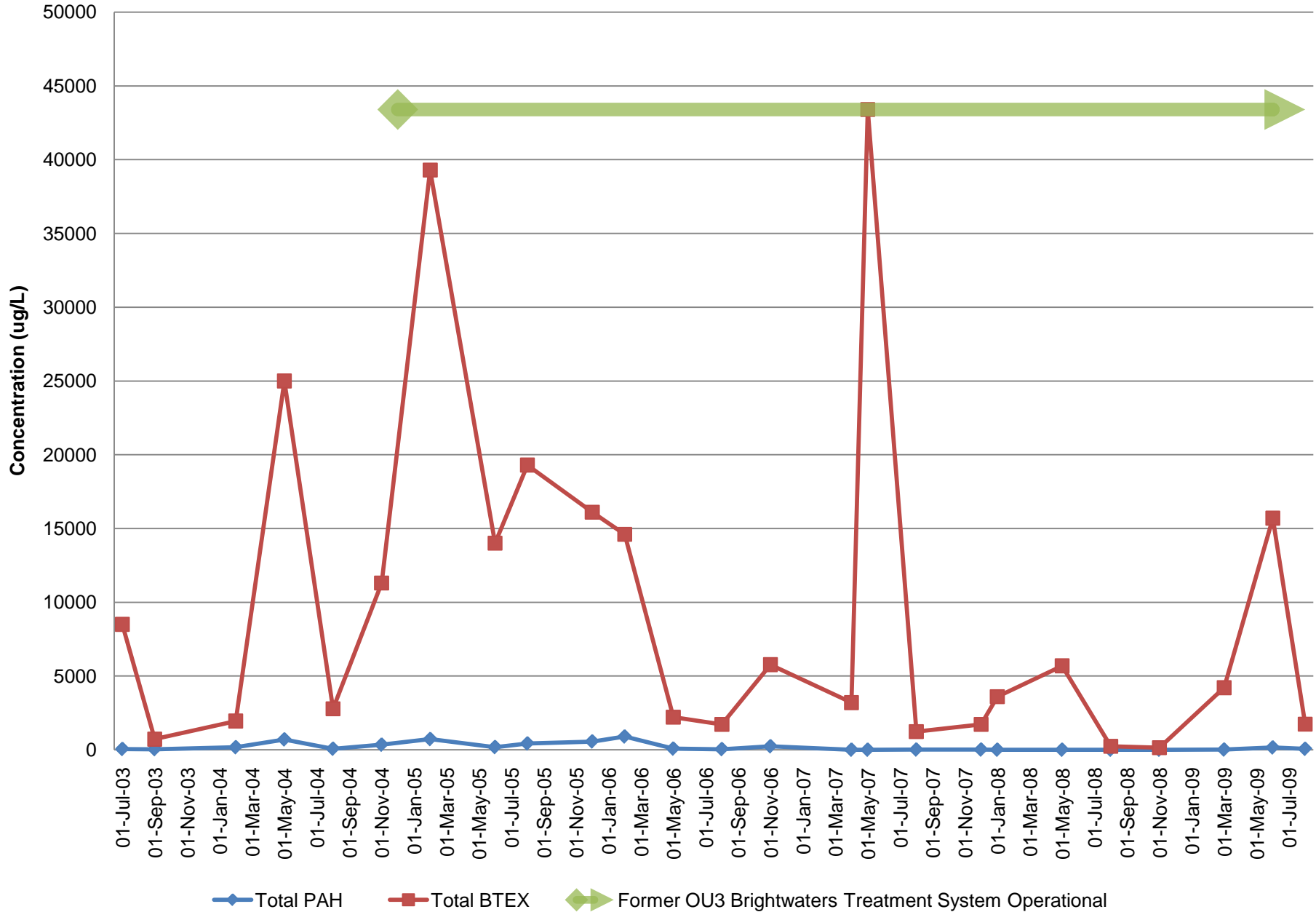
Monitoring Well MW-34I 18.5-19.5 ft bgs



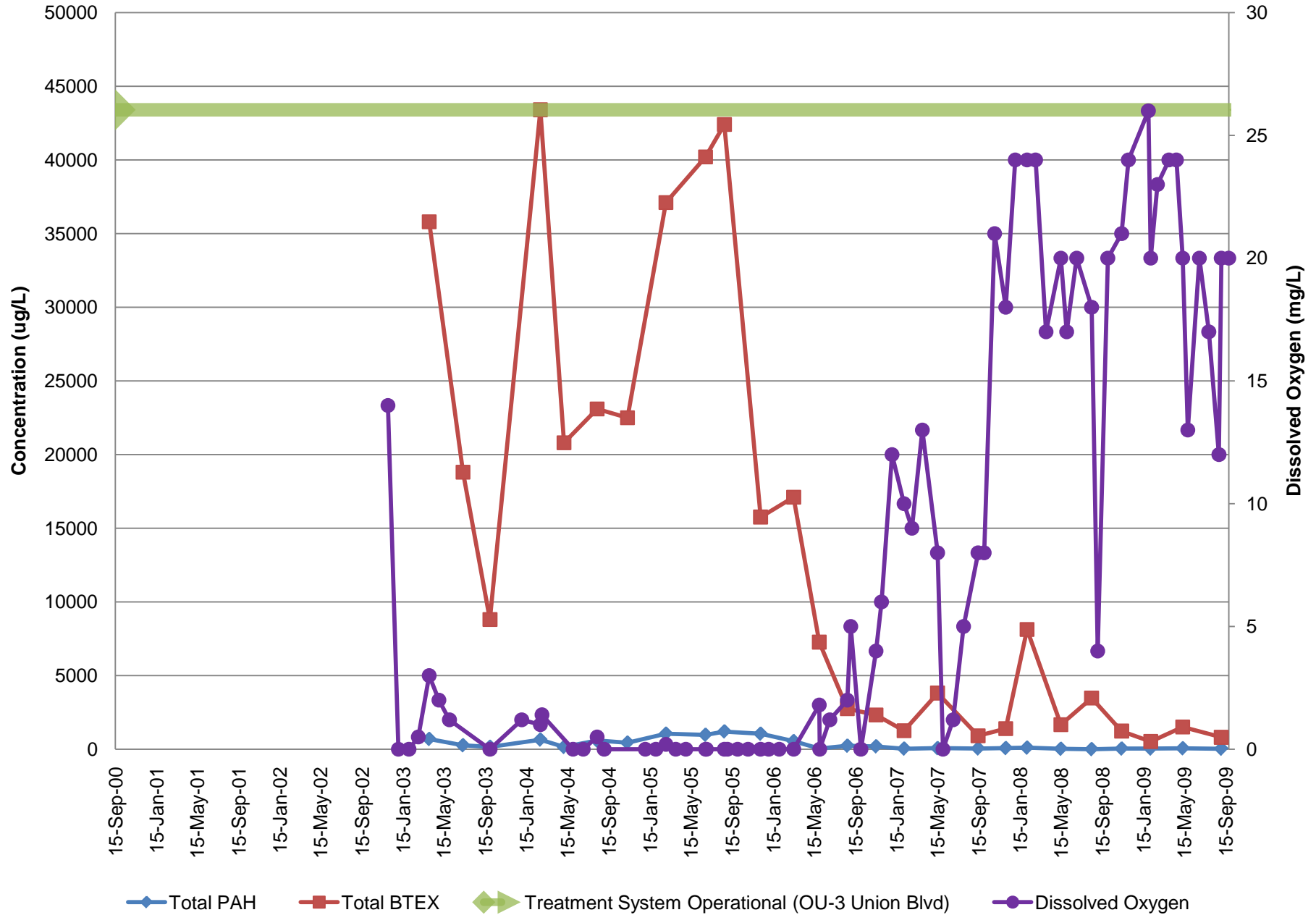
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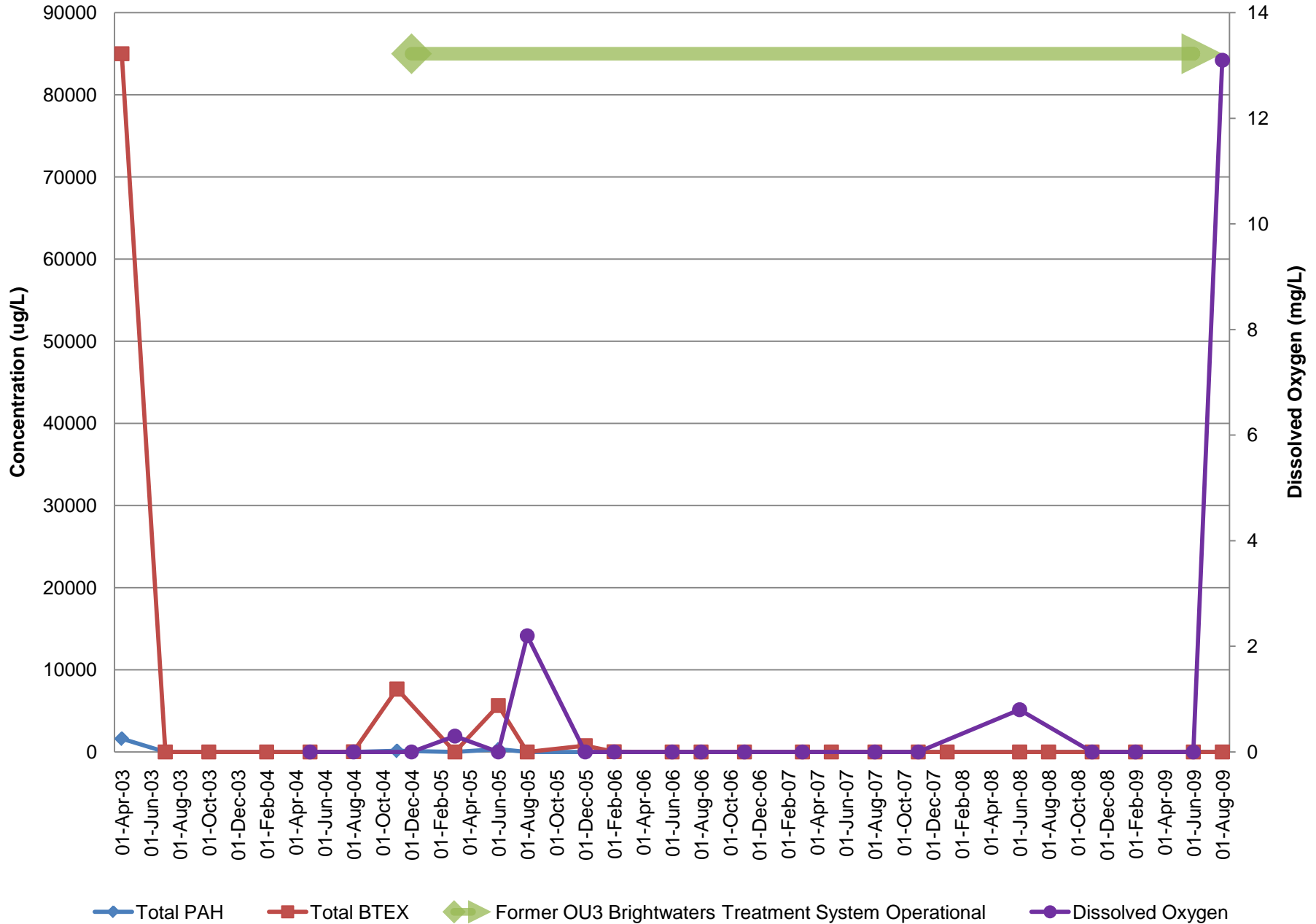
Monitoring Well MW-45W 2-10 ft bgs



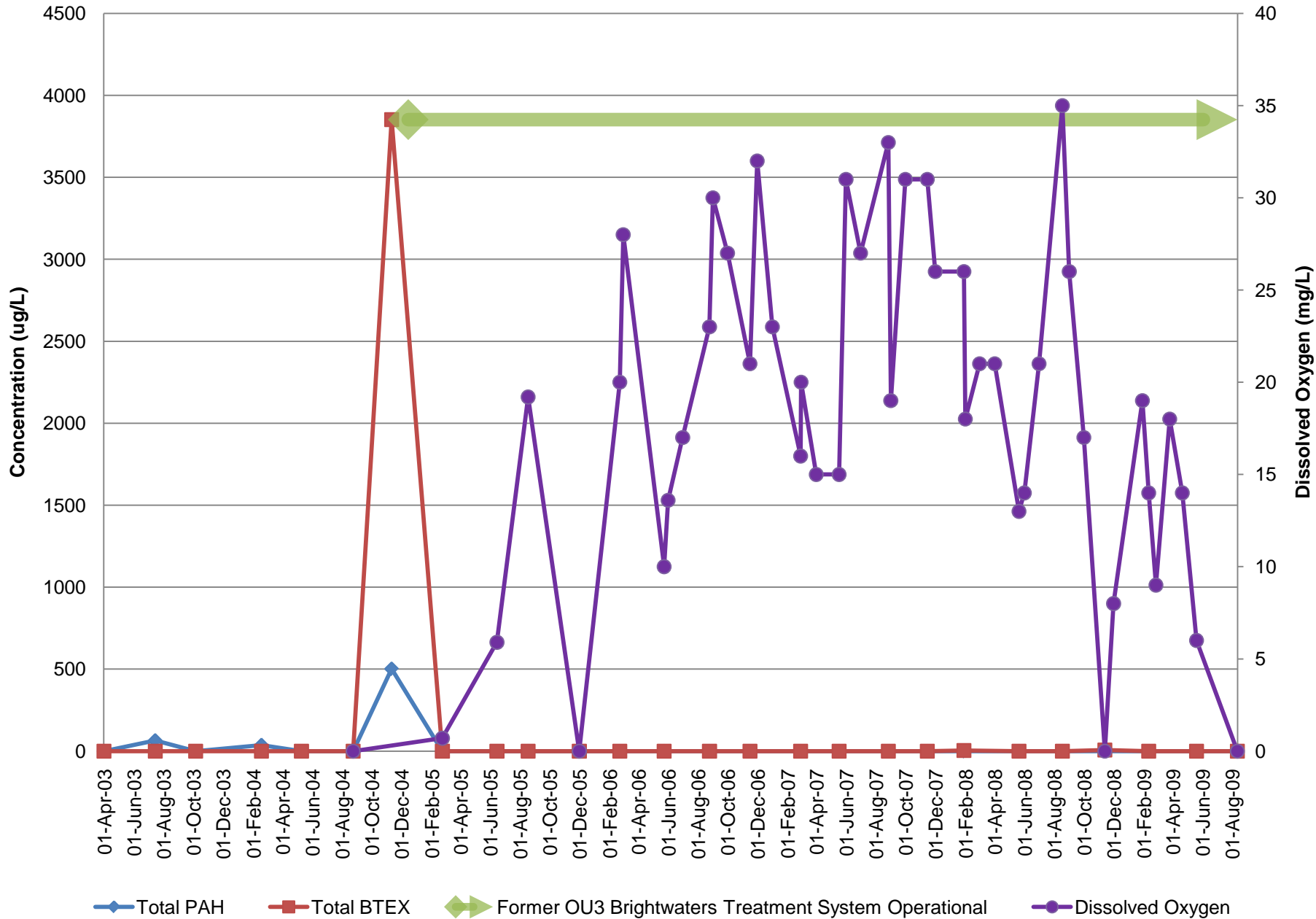
Monitoring Well MW-46W/W-R 2-10 ft bgs



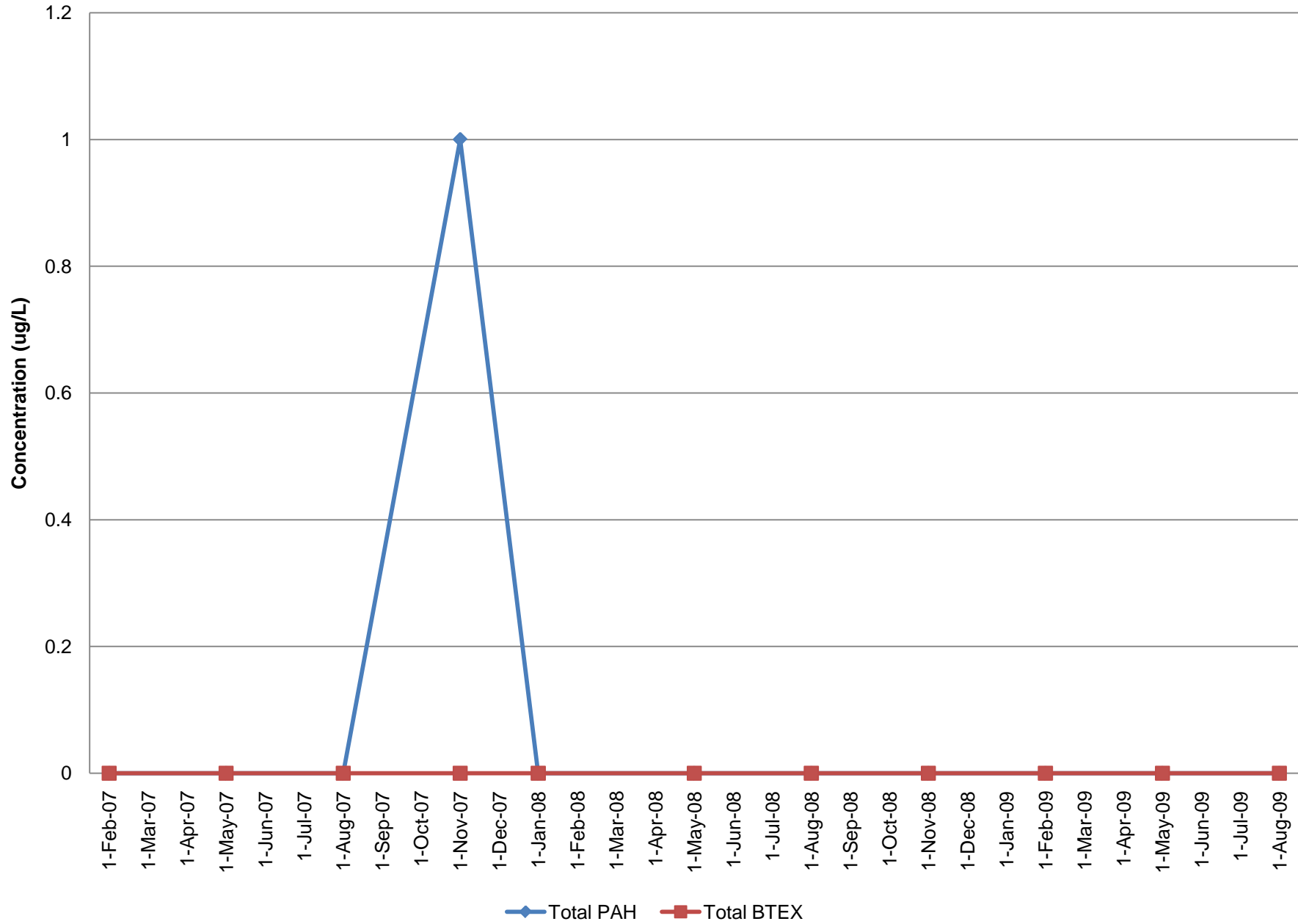
Monitoring Well MW-64 19-24 ft bgs



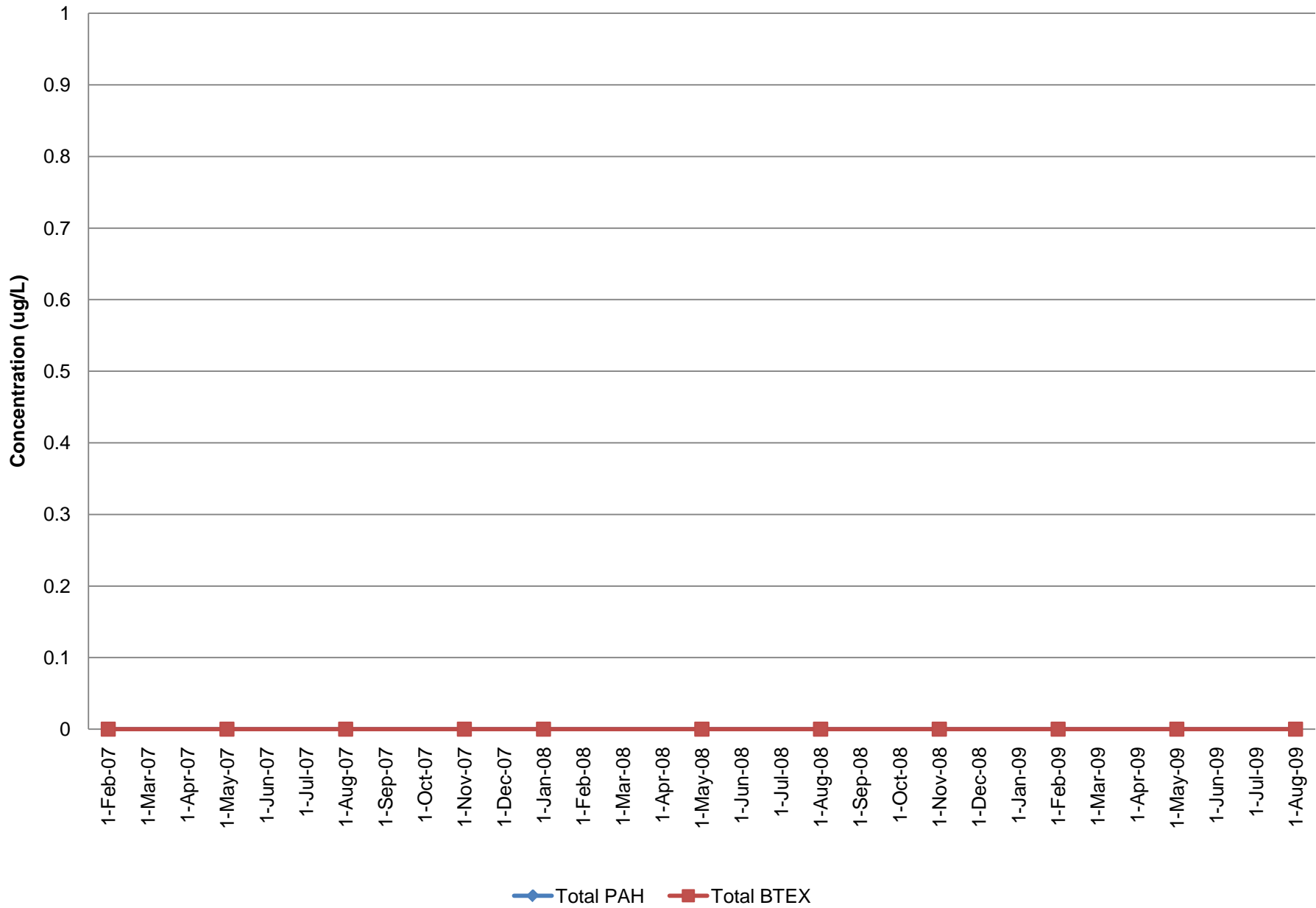
Monitoring Well MW-65 11-16 ft bgs



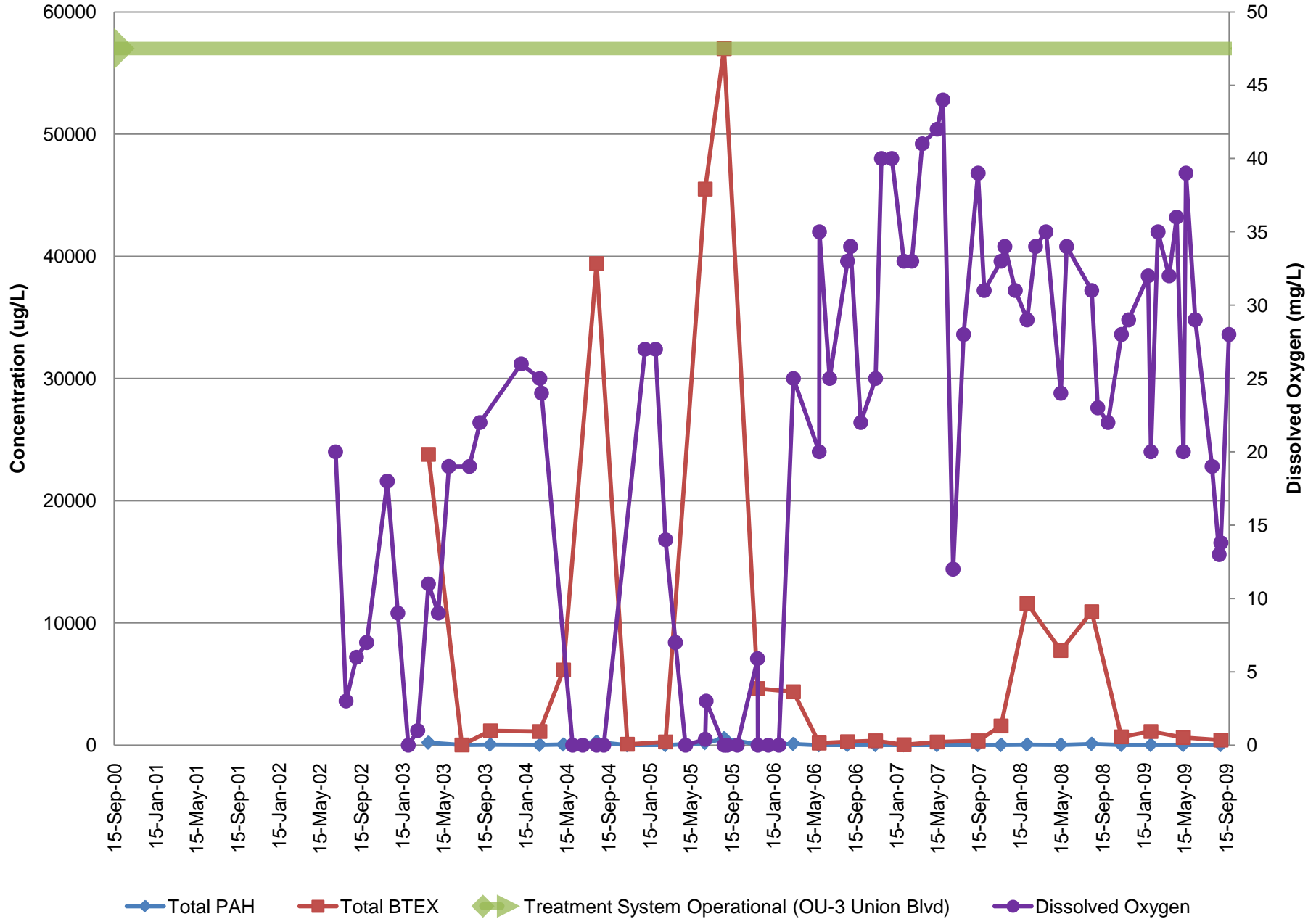
Monitoring Well MW-66S 1.5-11.5 ft bgs



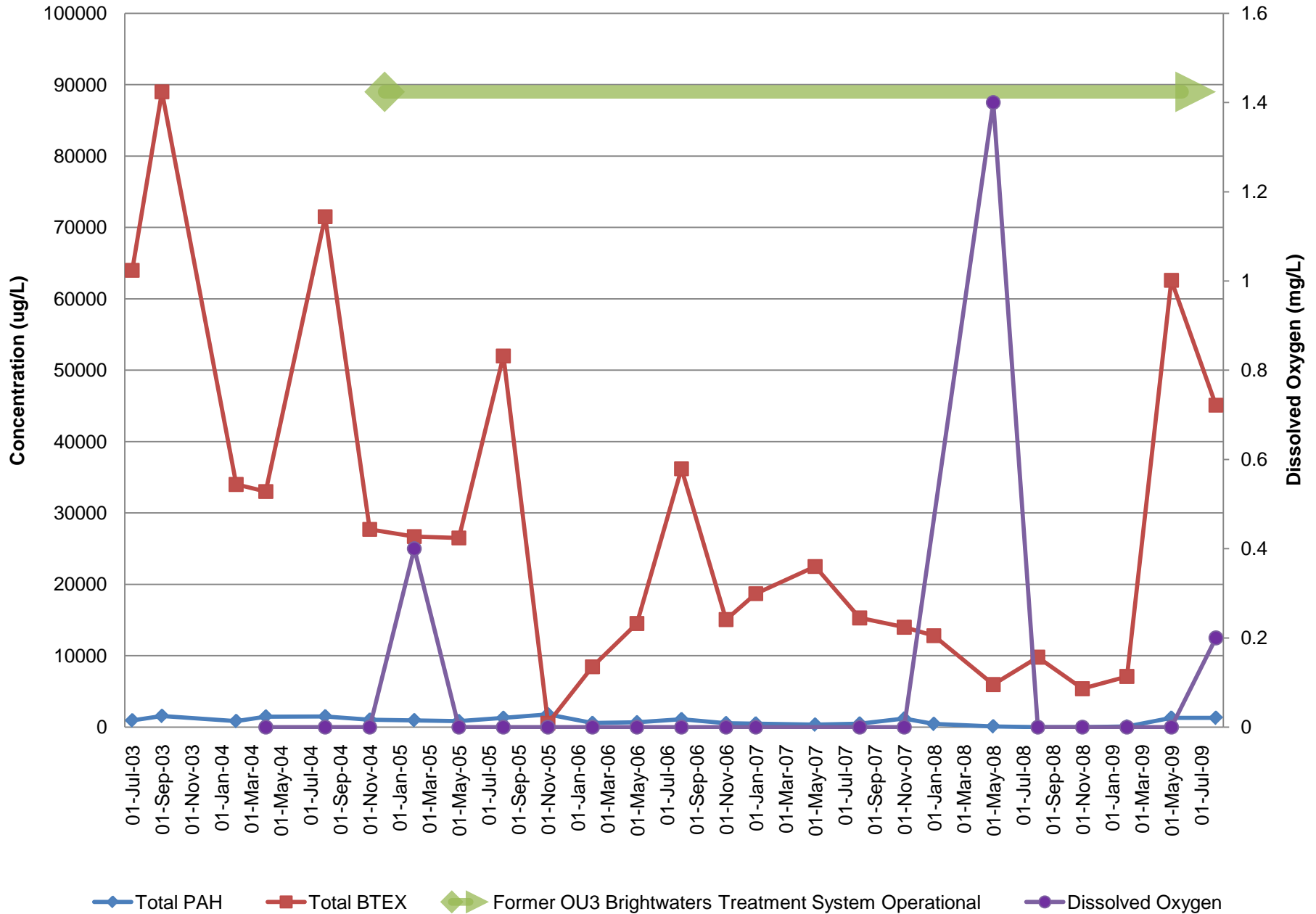
Monitoring Well MW-66D 24-29 ft bgs



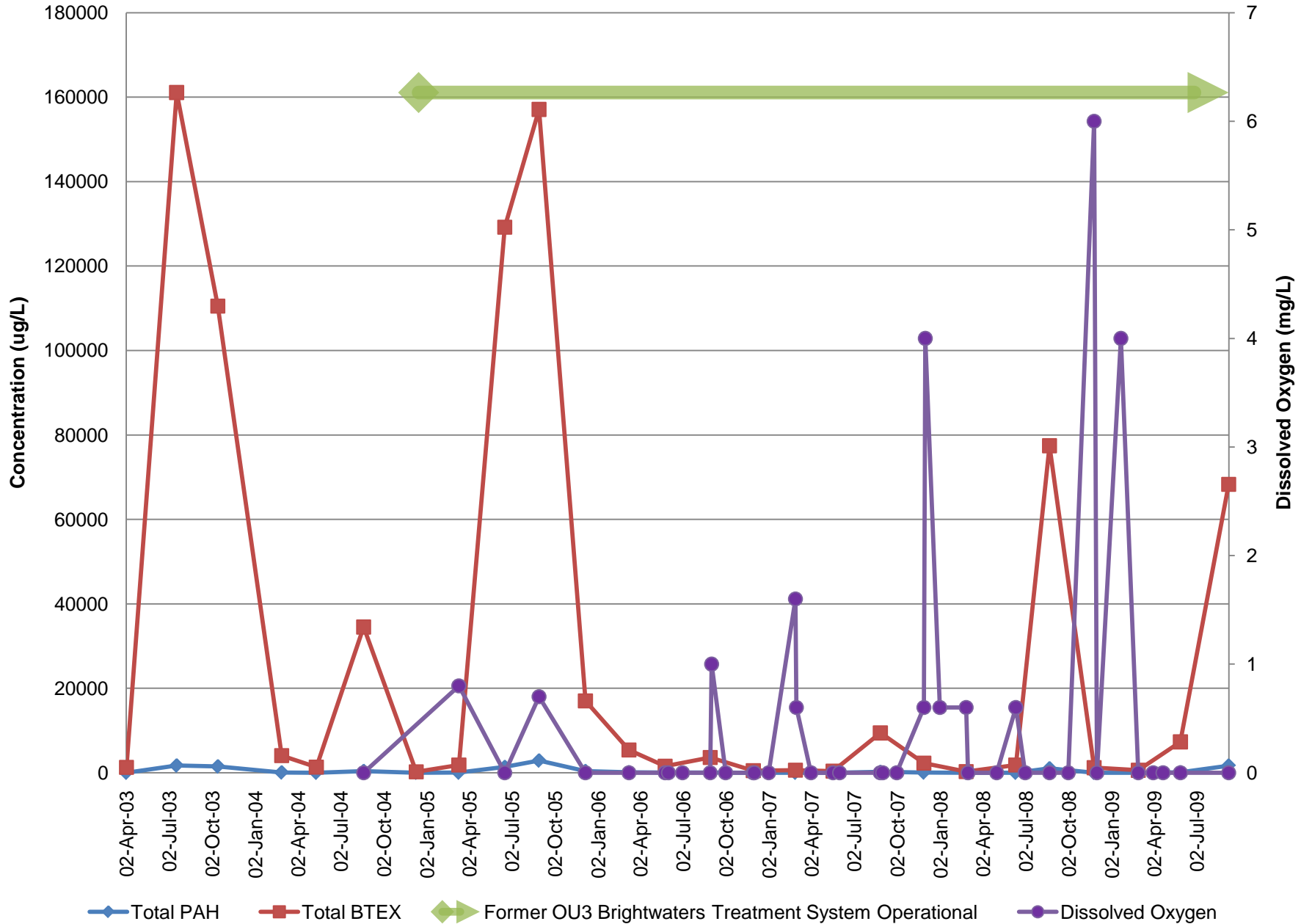
Monitoring Well MW-70/70S 2-12 ft bgs



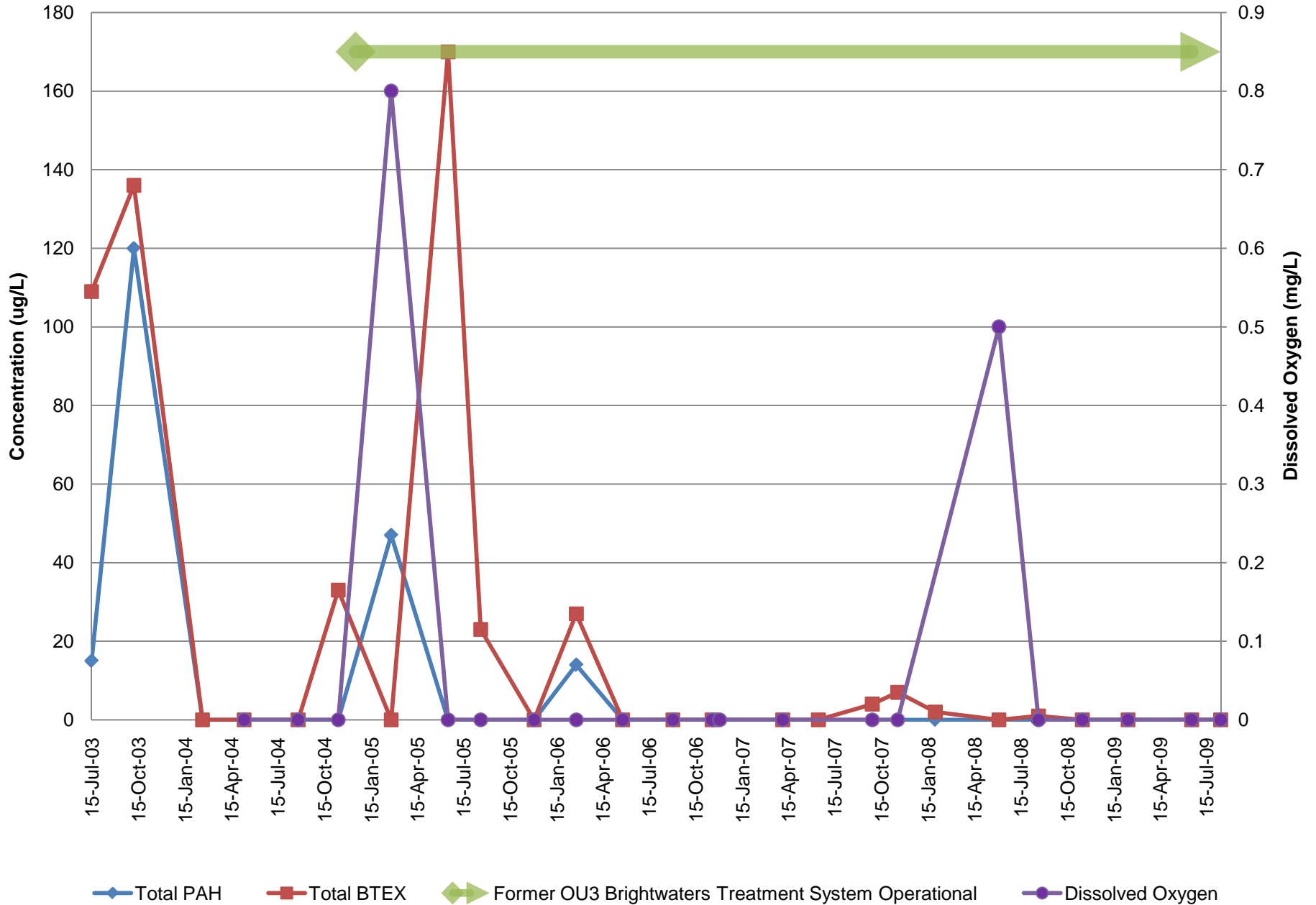
Monitoring Well MW-73 2-12 ft bgs



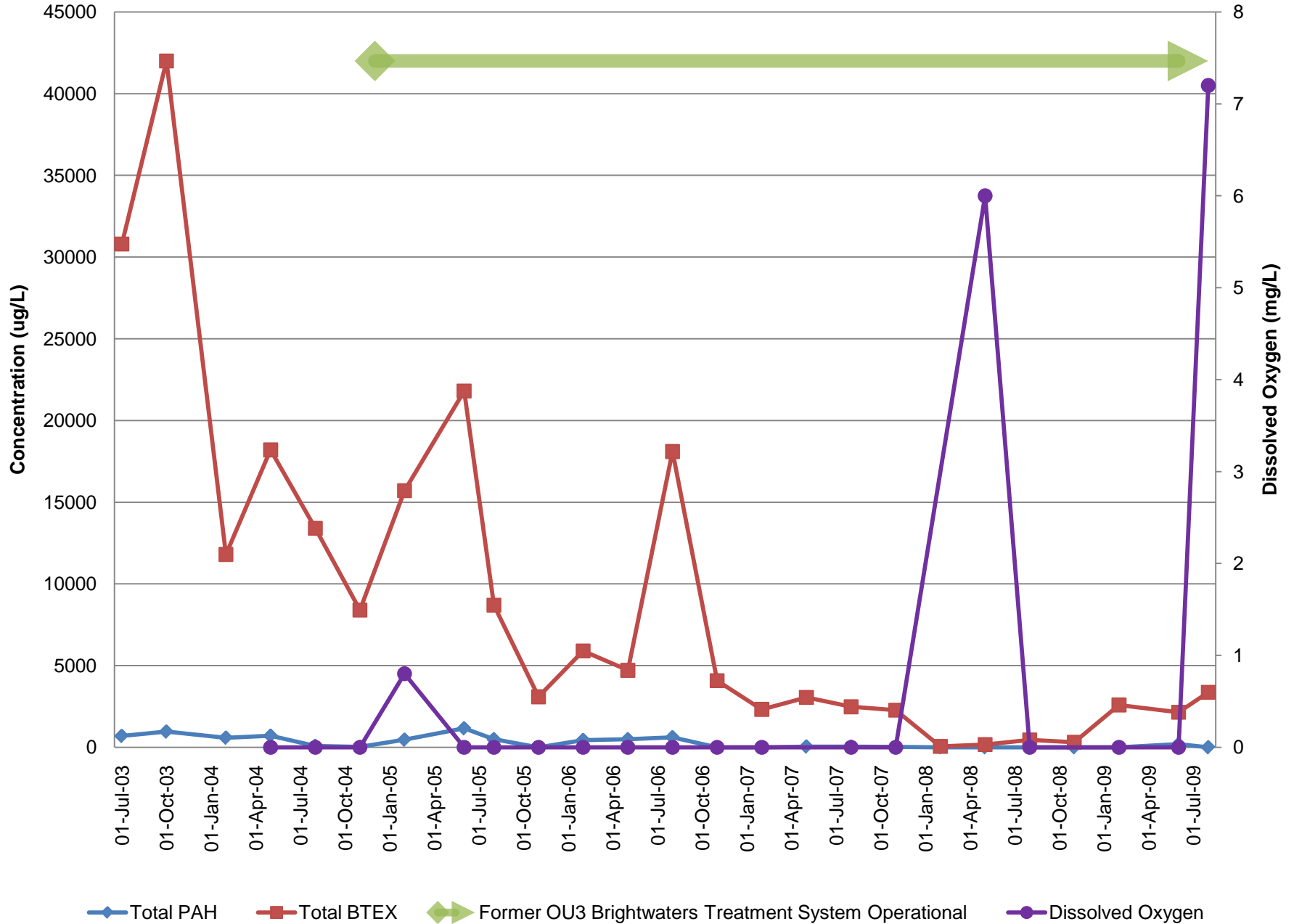
Monitoring Well MW-75 2-12 ft bgs



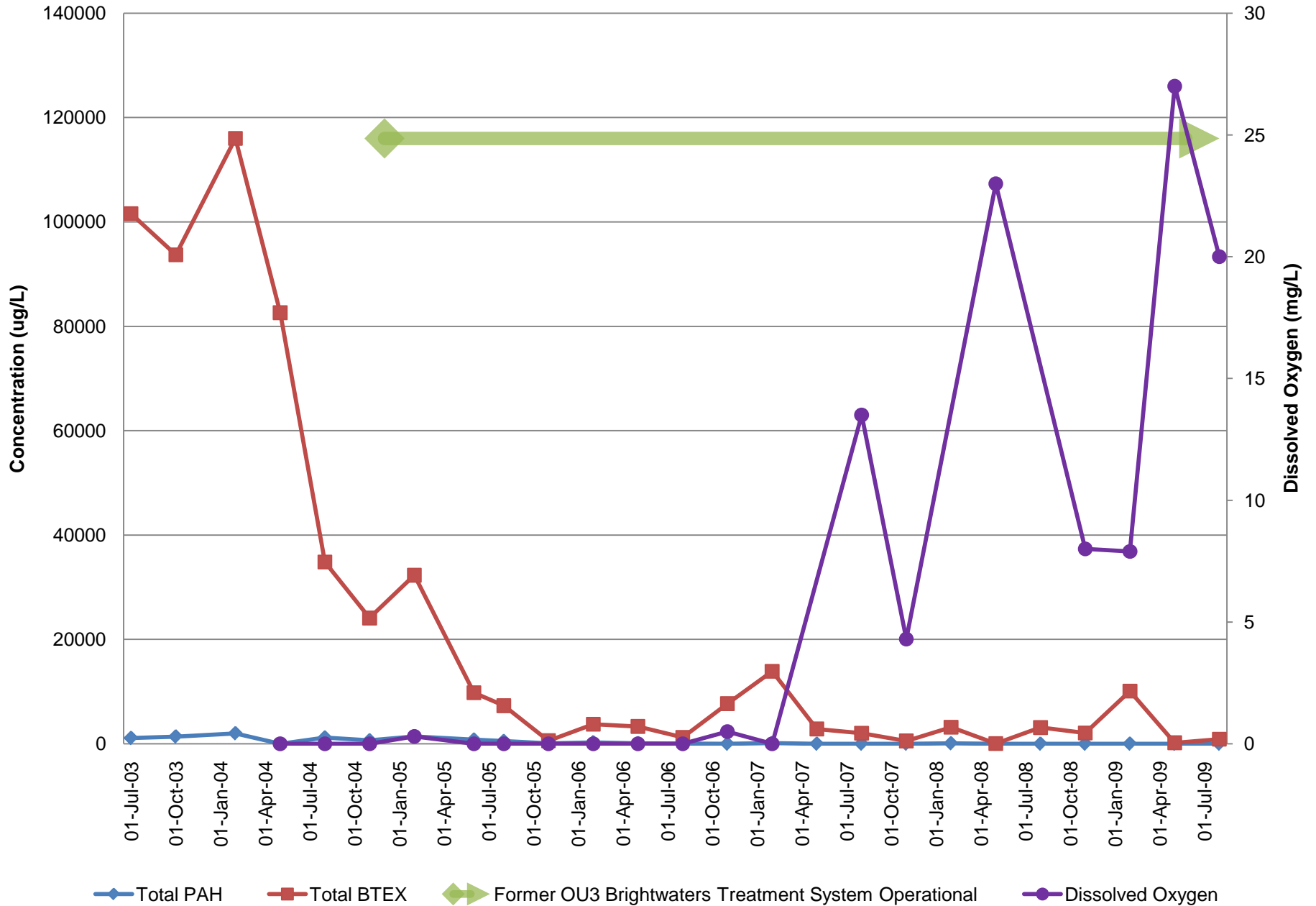
Monitoring Well MW-76 2-12 ft bgs



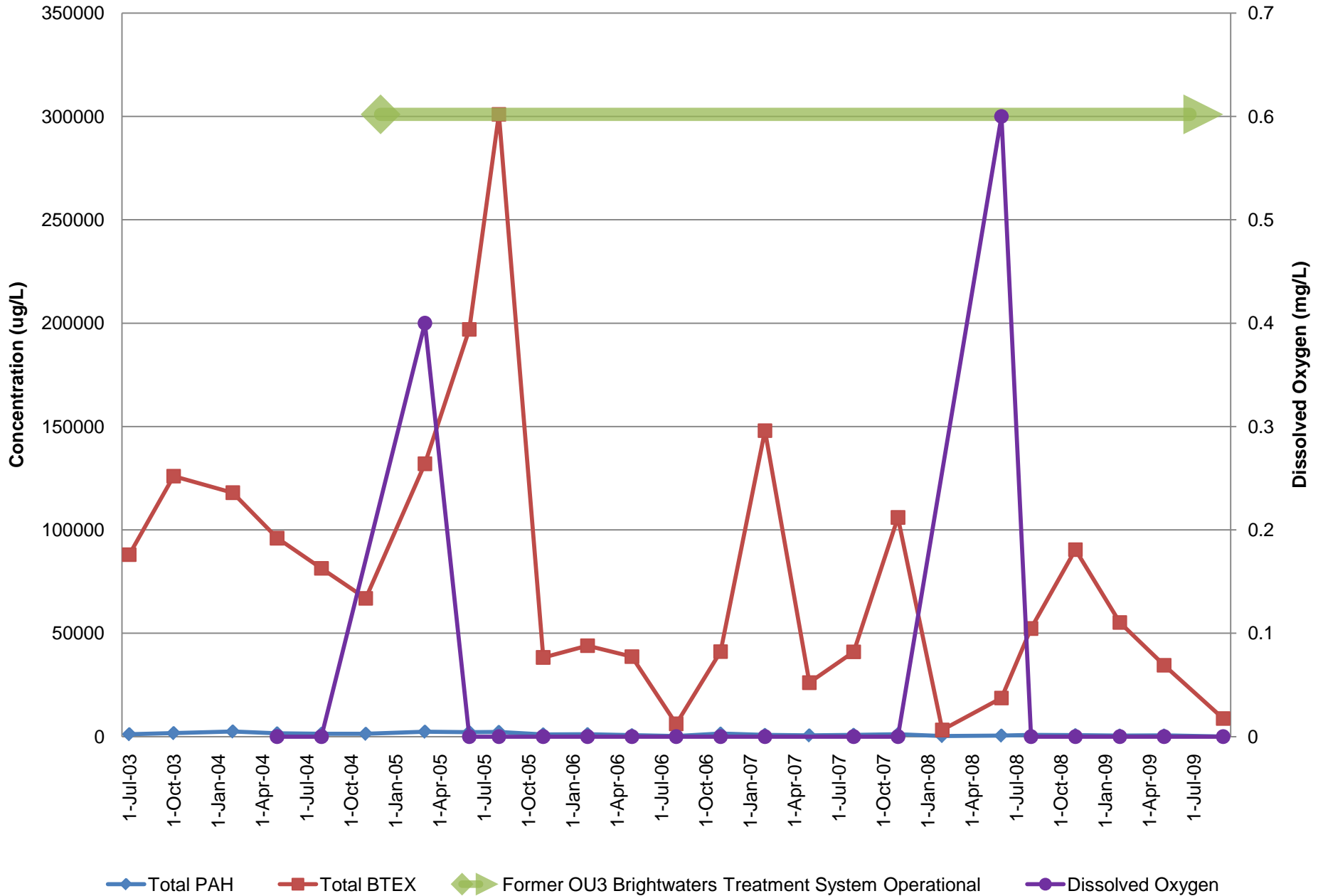
Monitoring Well MW-78 5-20 ft bgs



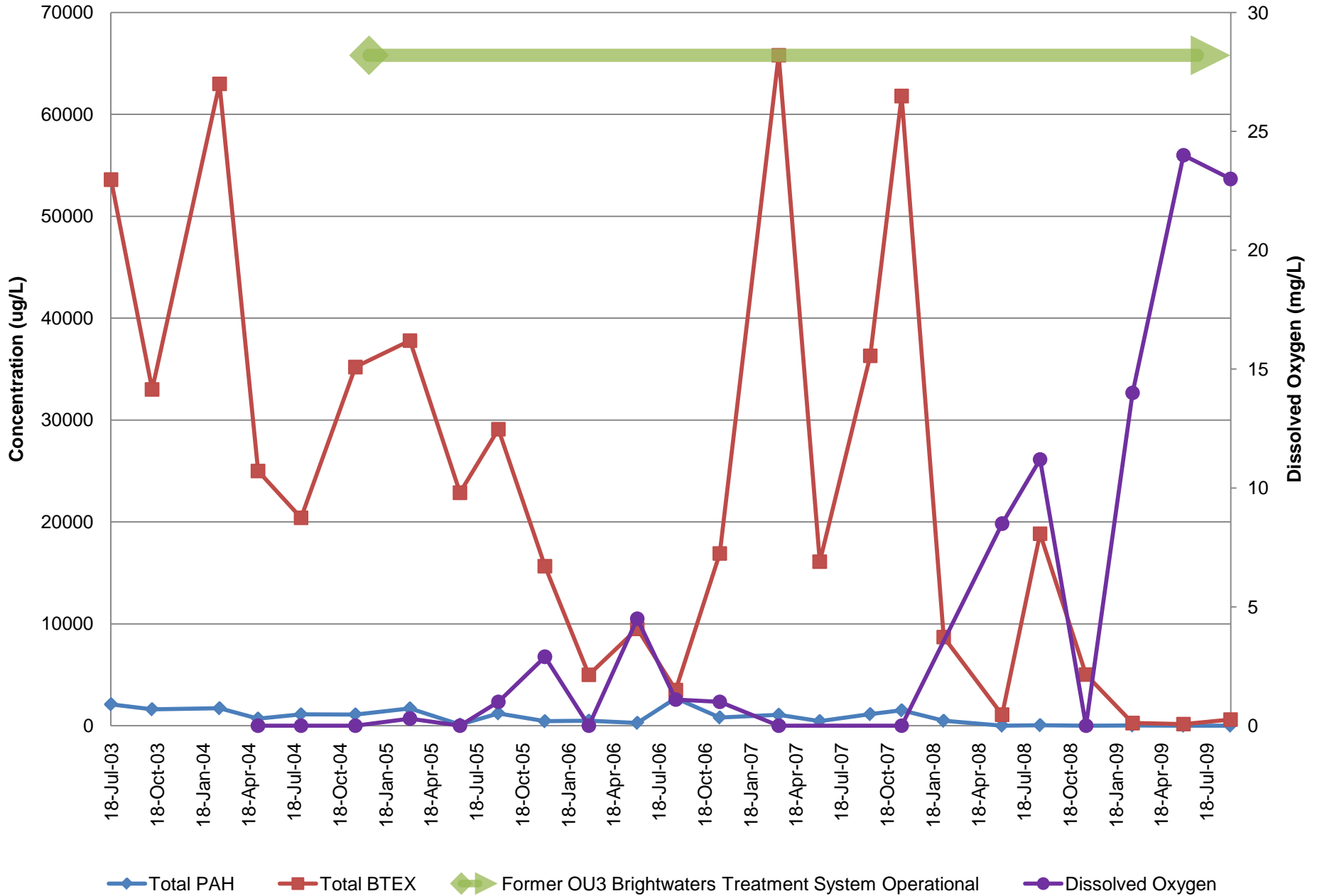
Monitoring Well MW-79 5-20 ft bgs



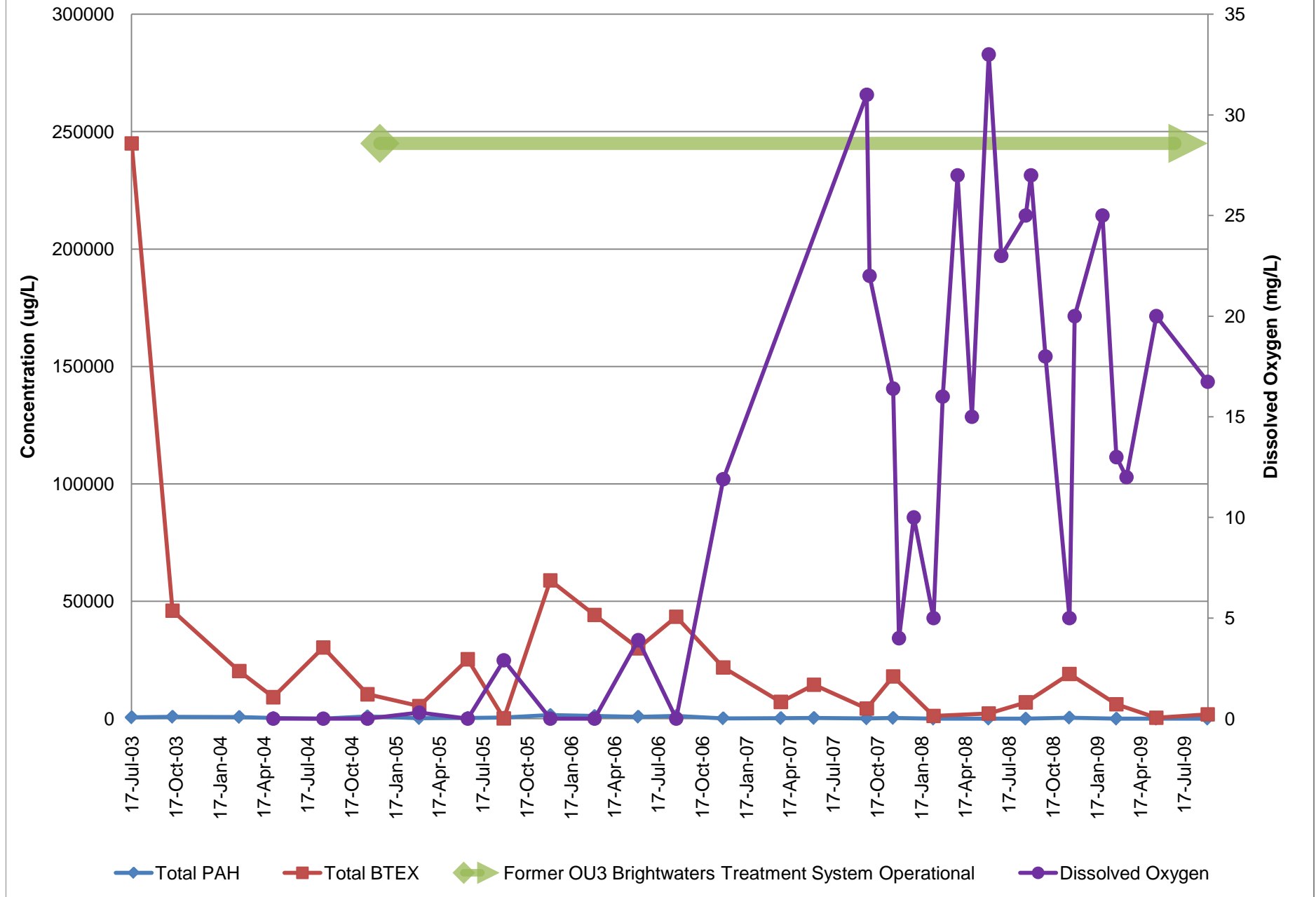
Monitoring Well MW-80 5-20 ft bgs



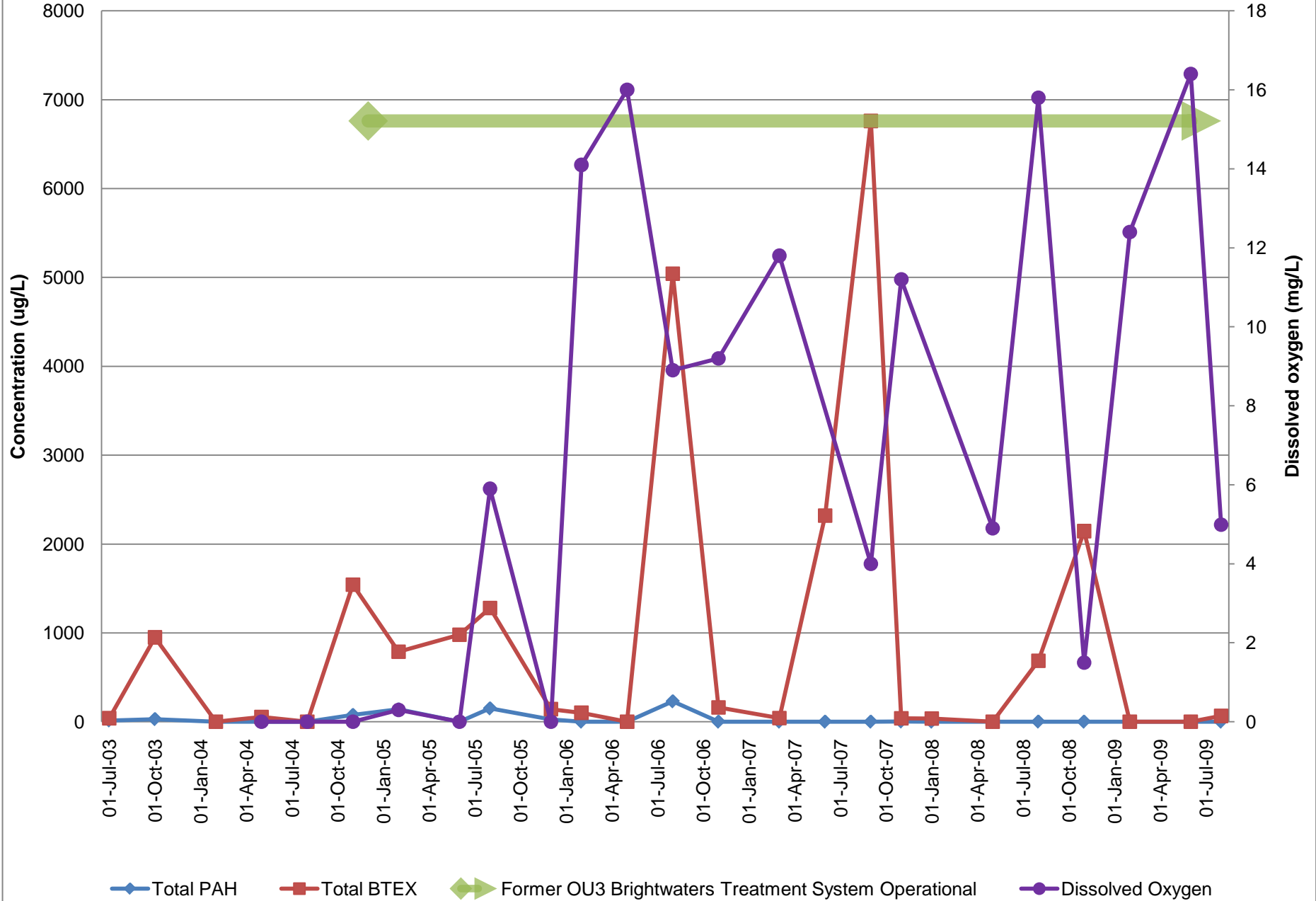
Monitoring Well MW-81 5-20 ft bgs



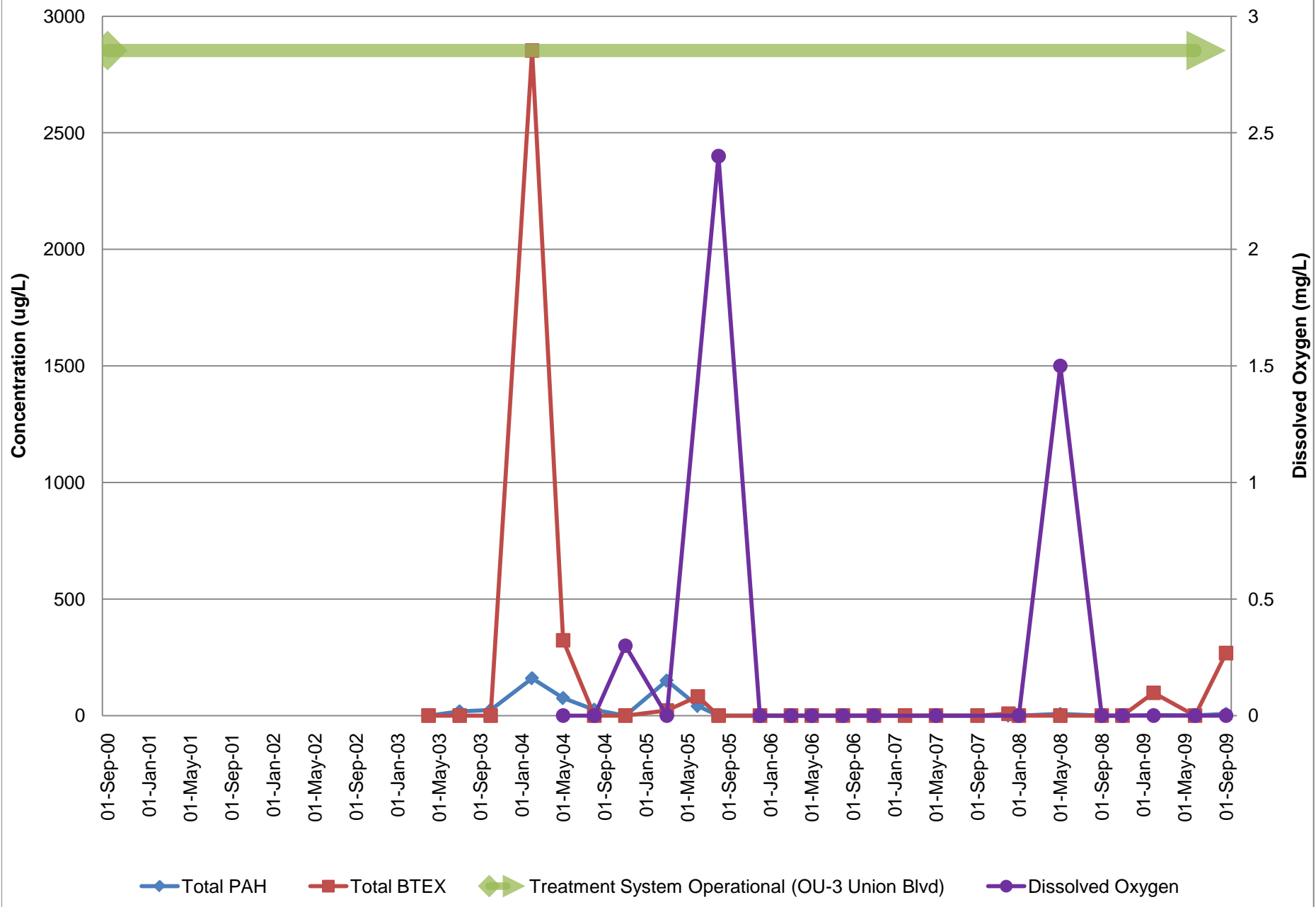
Monitoring Well MW-82 5-20 ft bgs



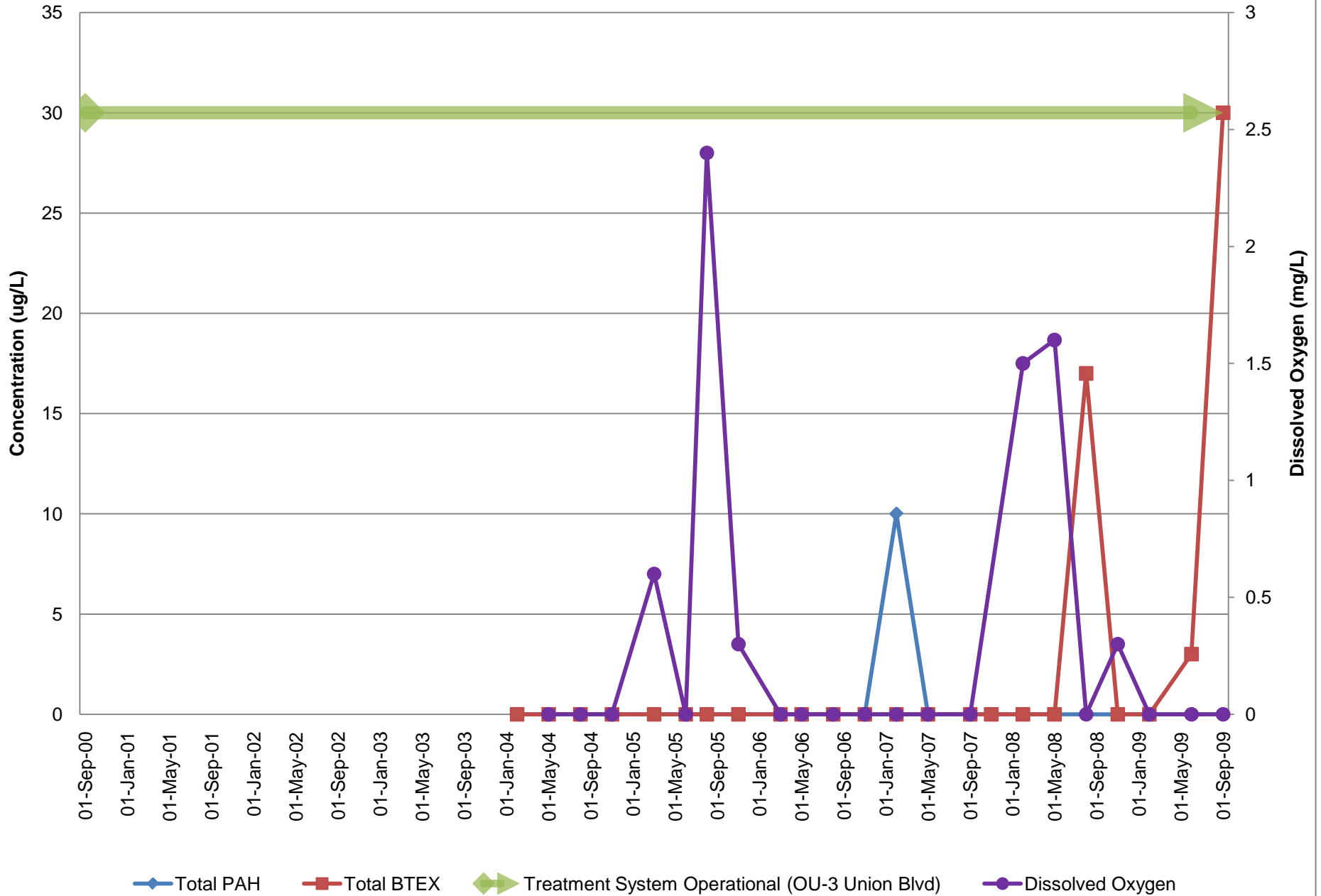
Monitoring Well MW-83 5-20 ft bgs



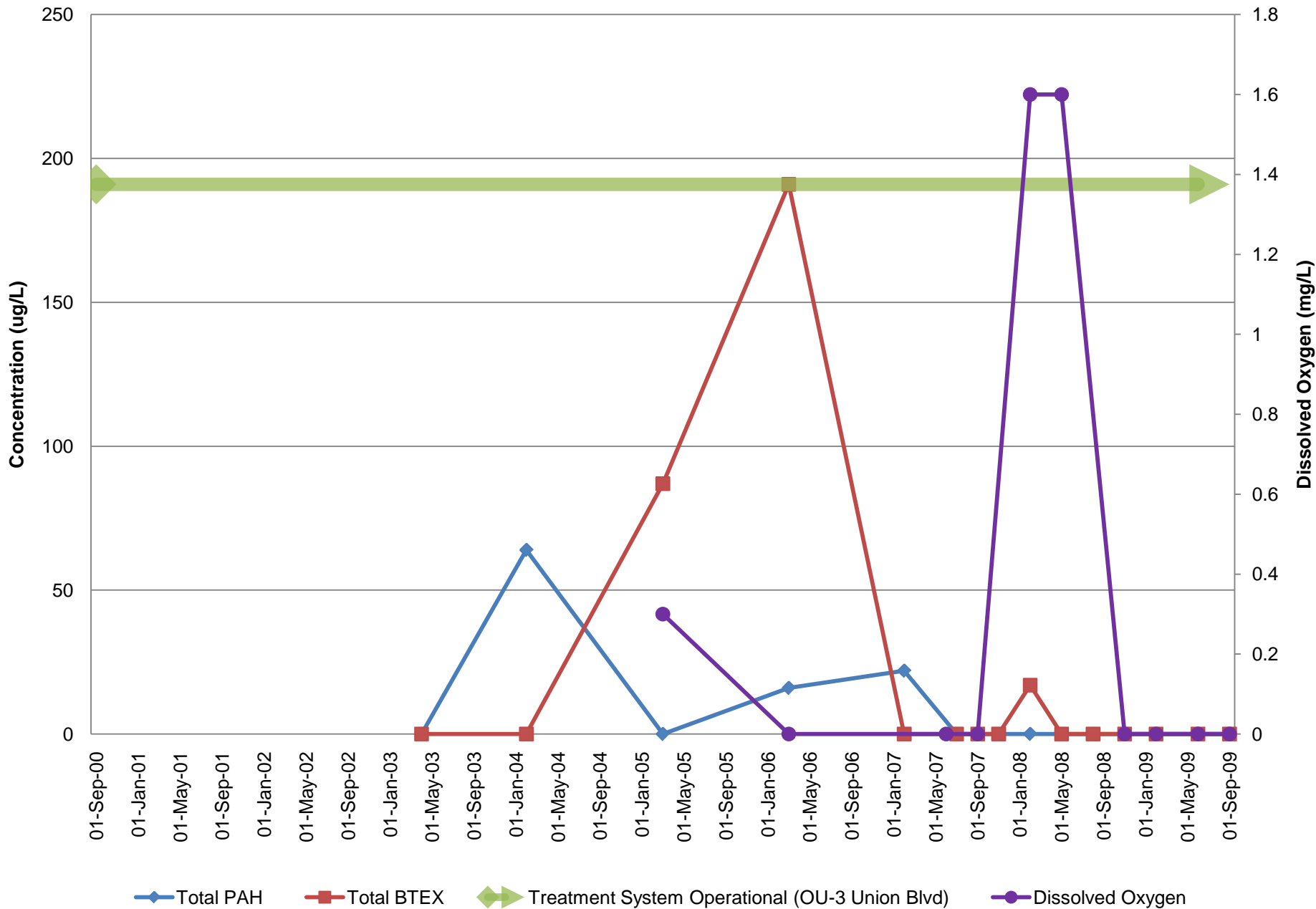
Monitoring Well MWBS-02S 5-15 ft bgs



Monitoring Well MWBS-021 14.5-15.5 ft bgs

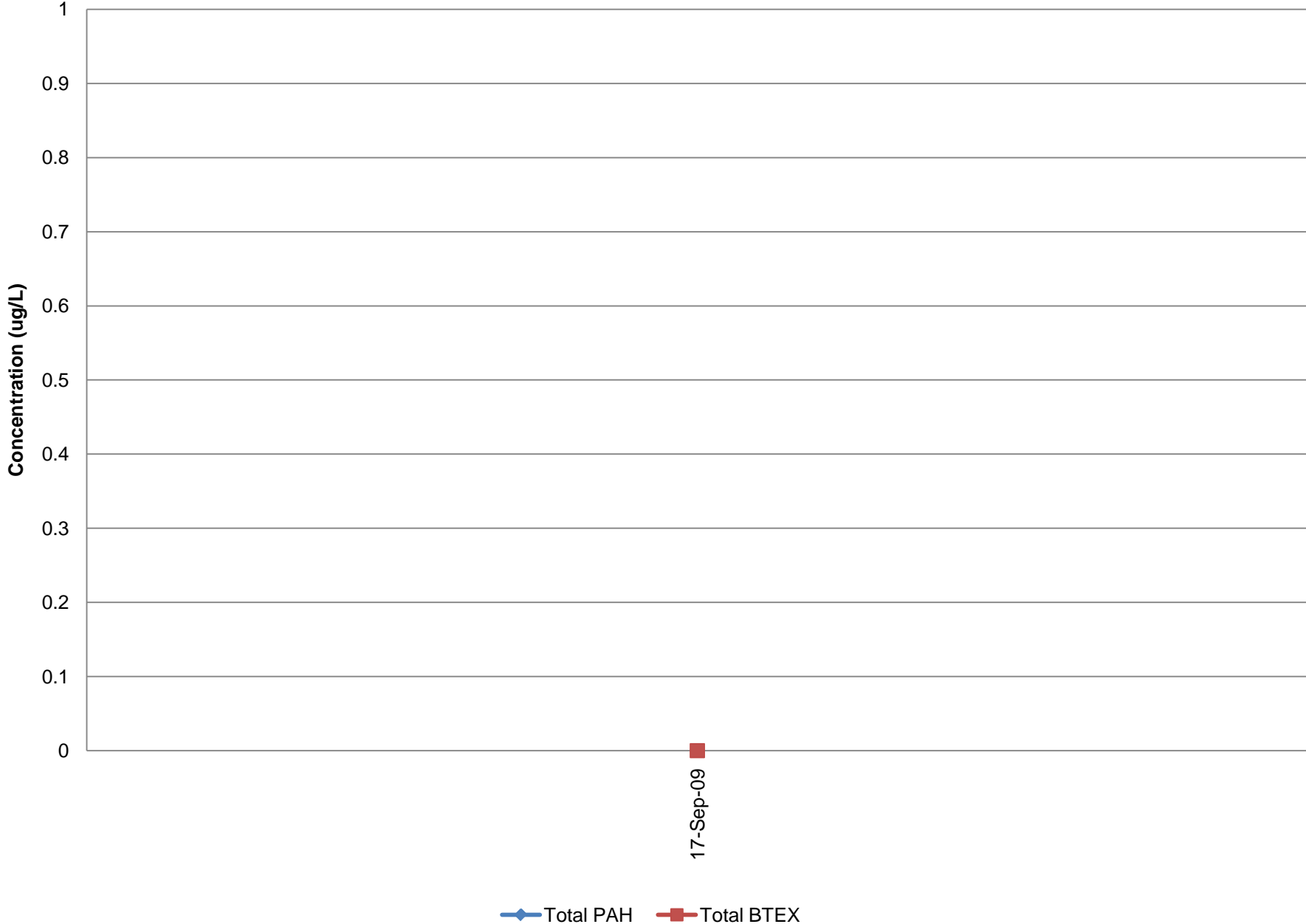


Monitoring Well MWBS-02D 24.5-25.5 ft bgs



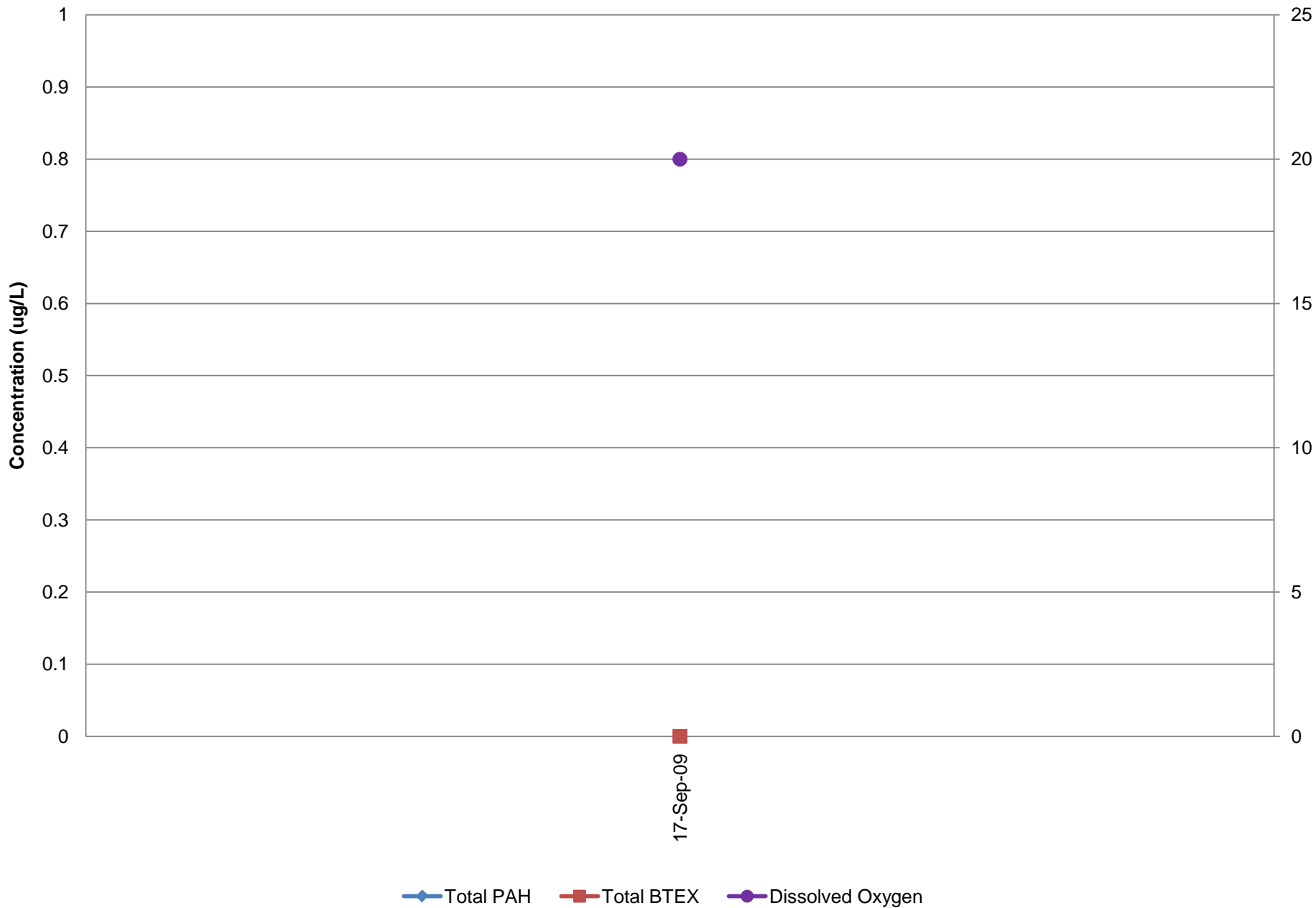
Monitoring Well OU3MW-01S

3-13 ft bgs

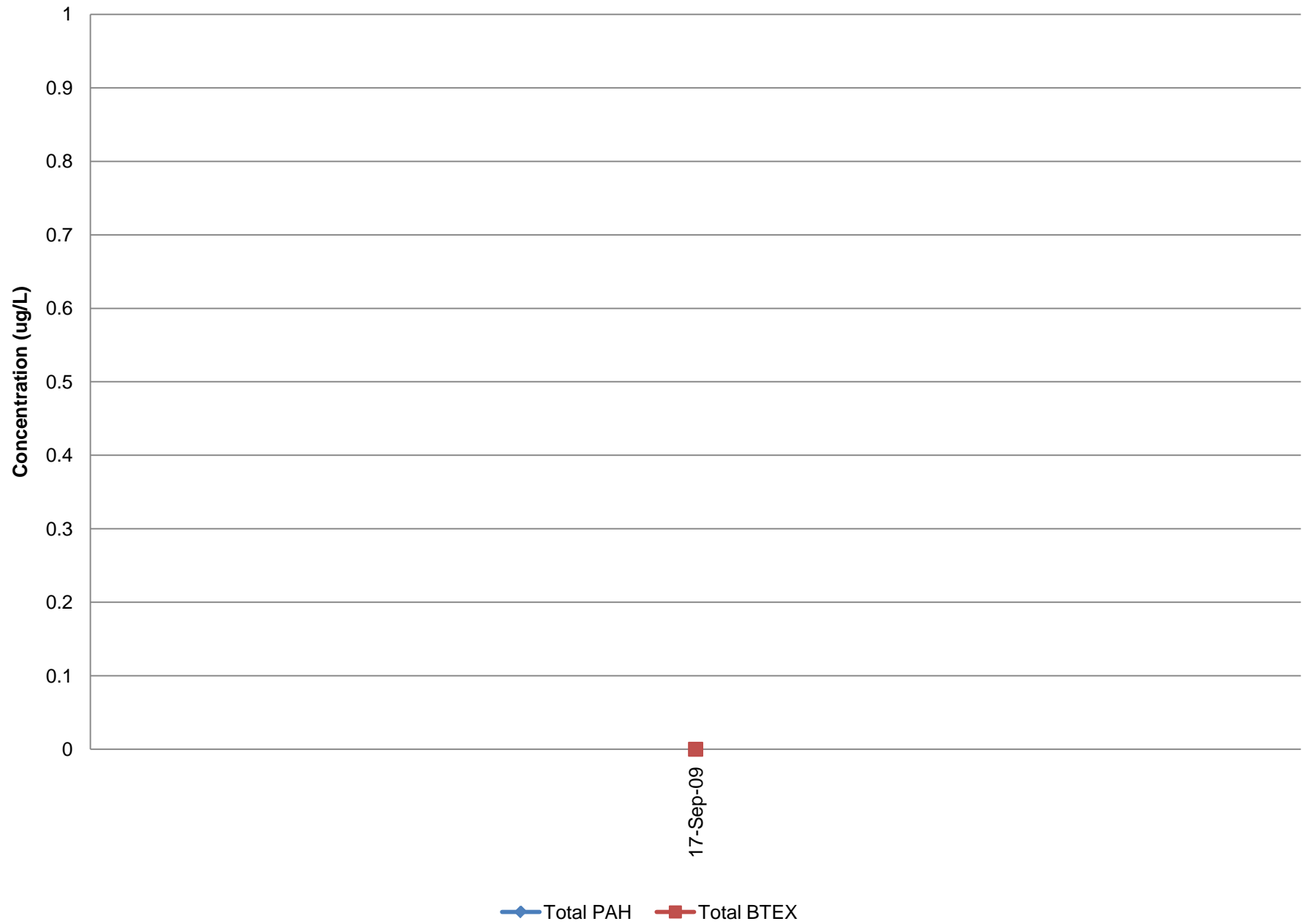


Monitoring Well OU3MW-02S

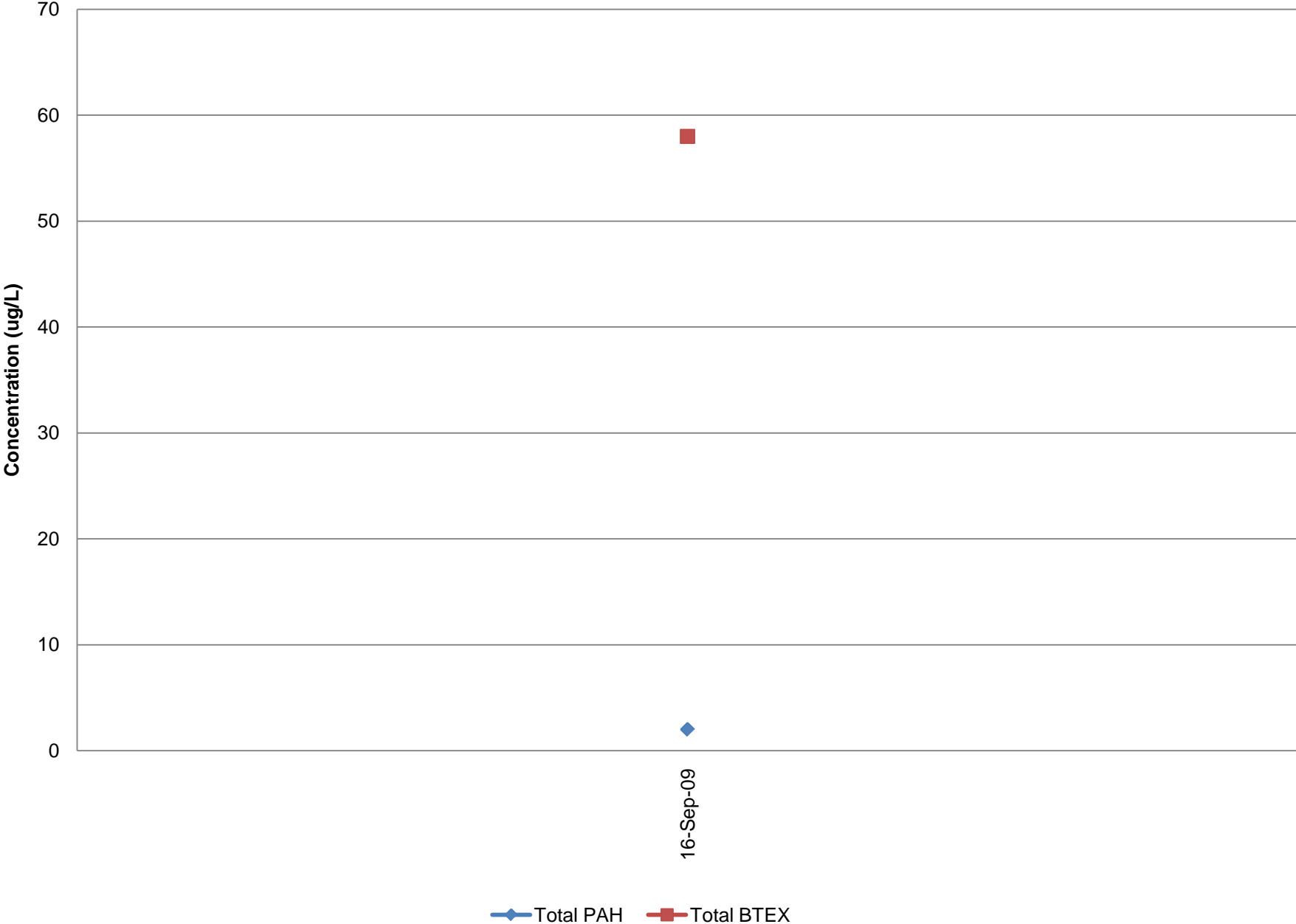
3-13 ft bgs



Monitoring Well OU3MW-02I 15-20 ft bgs

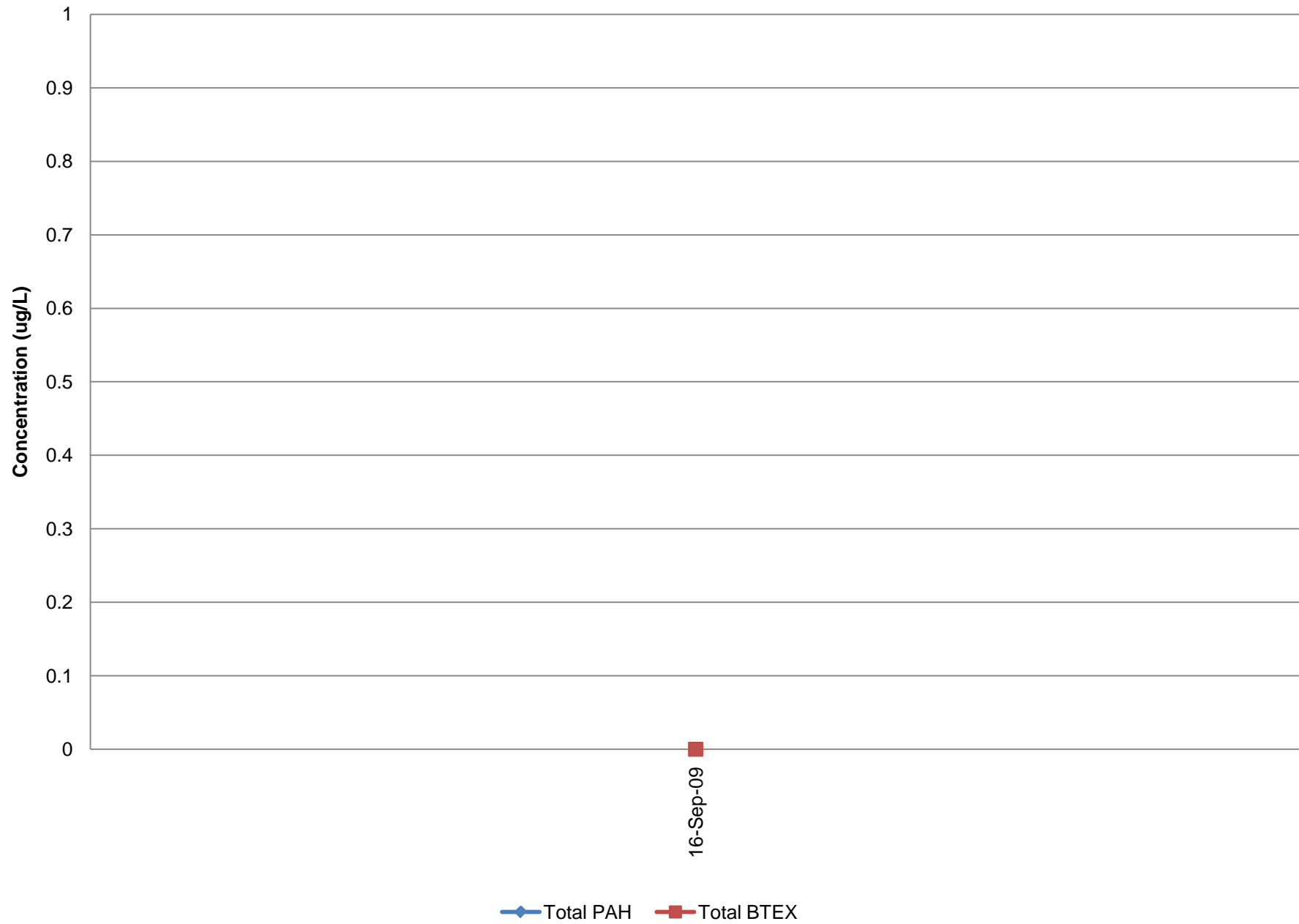


Monitoring Well OU3MW-03S 1-11 ft bgs

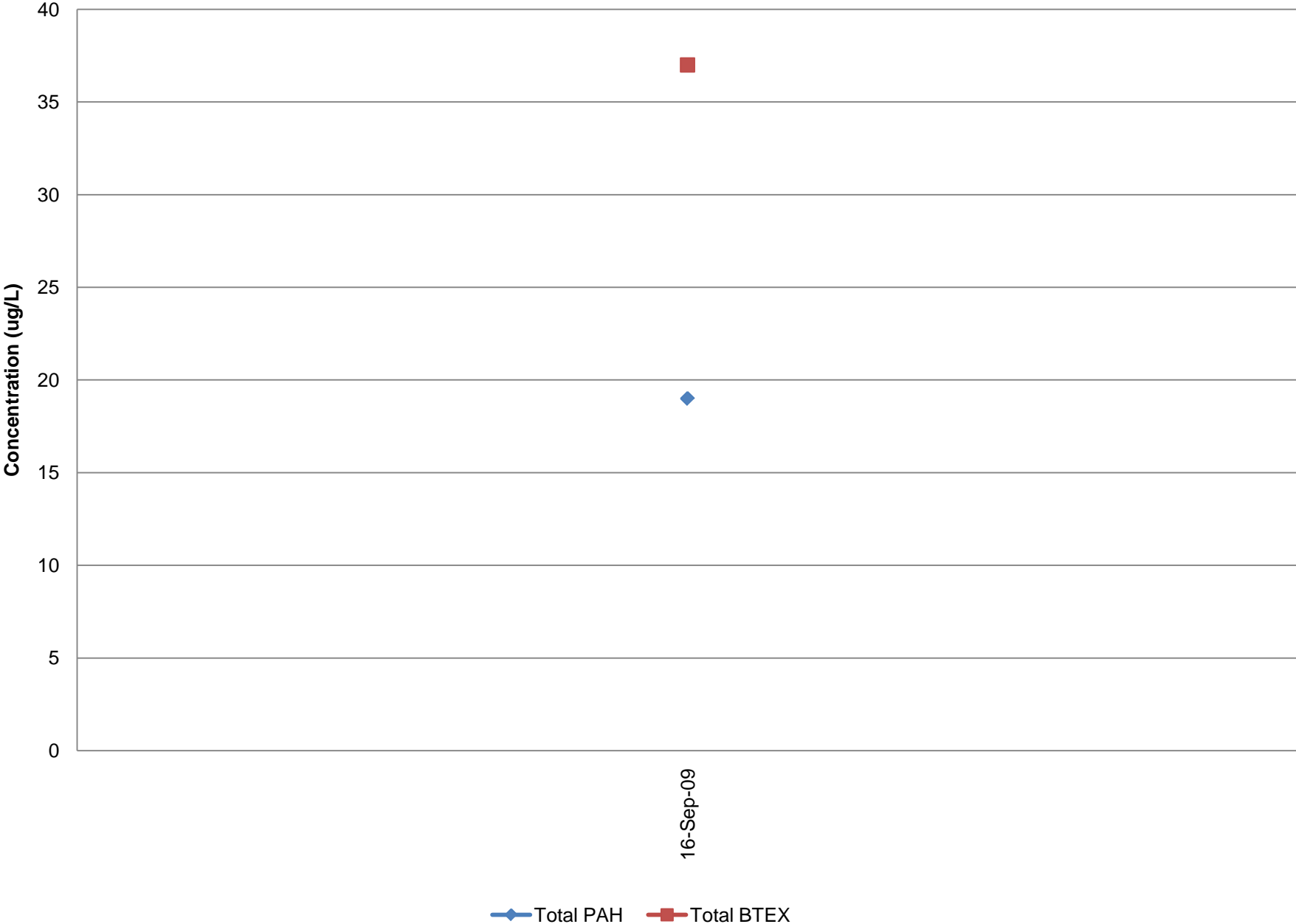


Monitoring Well OU3MW-03I

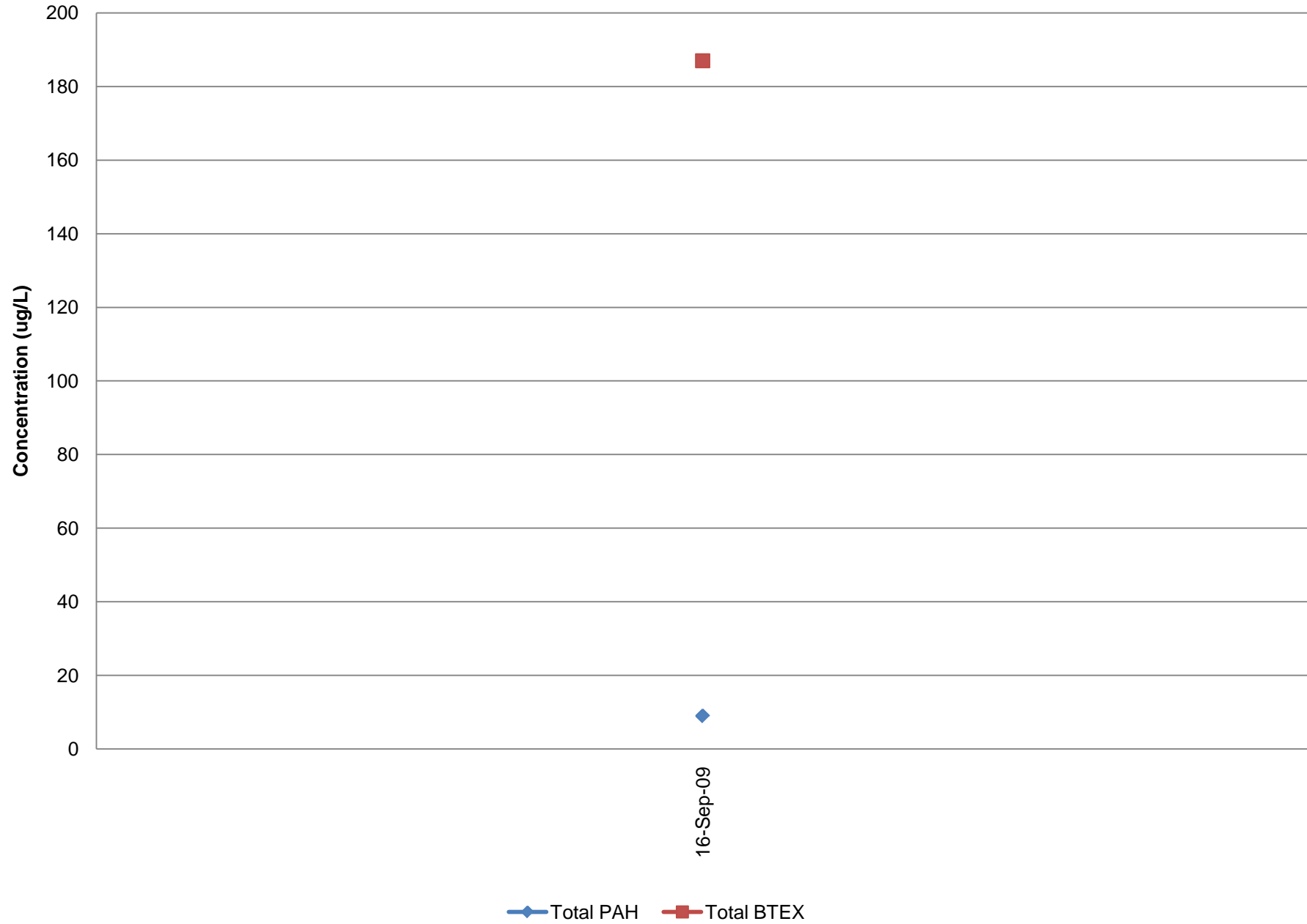
20-25 ft bgs



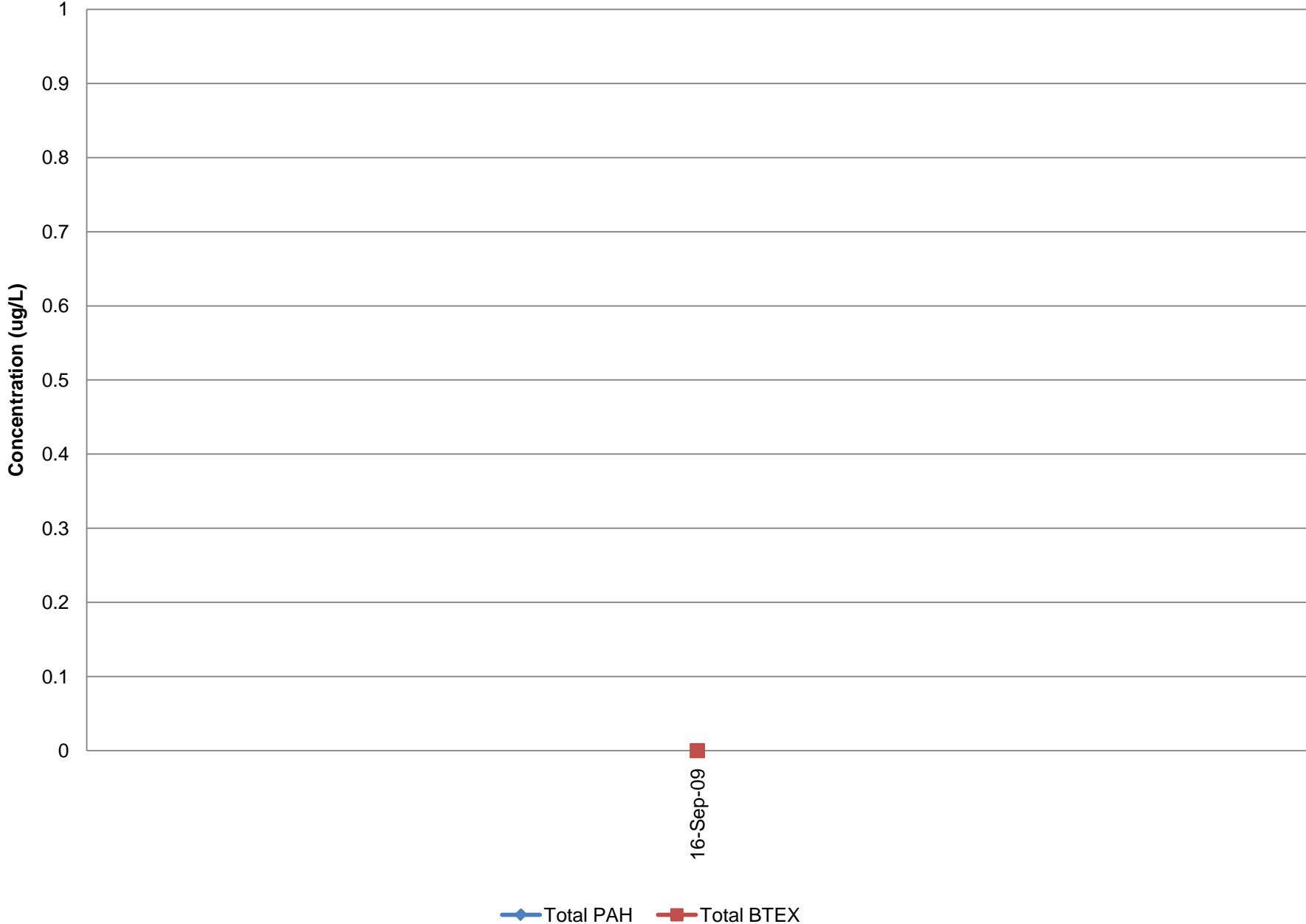
Monitoring Well OU3MW-04S
1-11 ft bgs



Monitoring Well OU3MW-04I 16-21 ft bgs

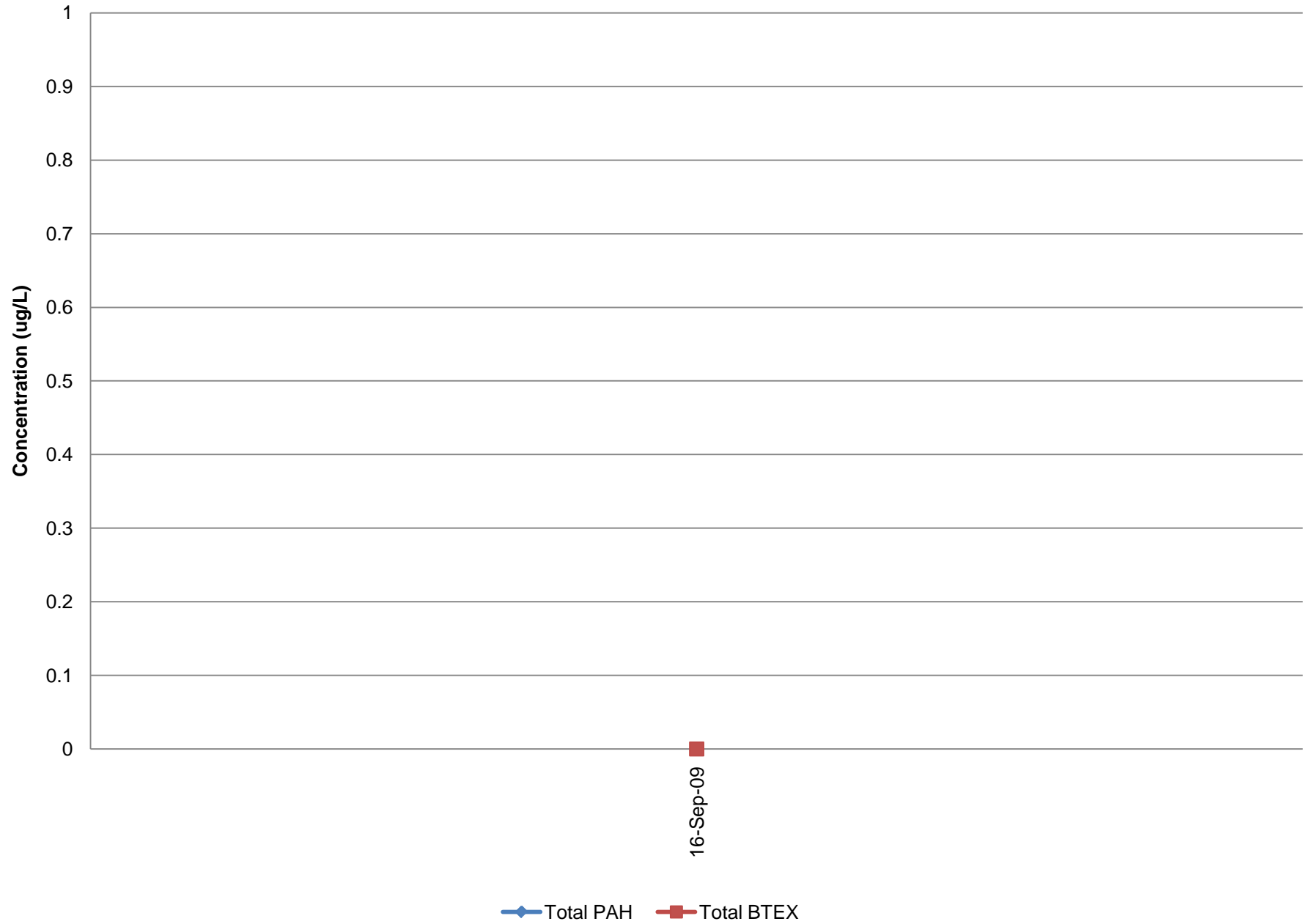


Monitoring Well OU3MW-04D 26-31 ft bgs

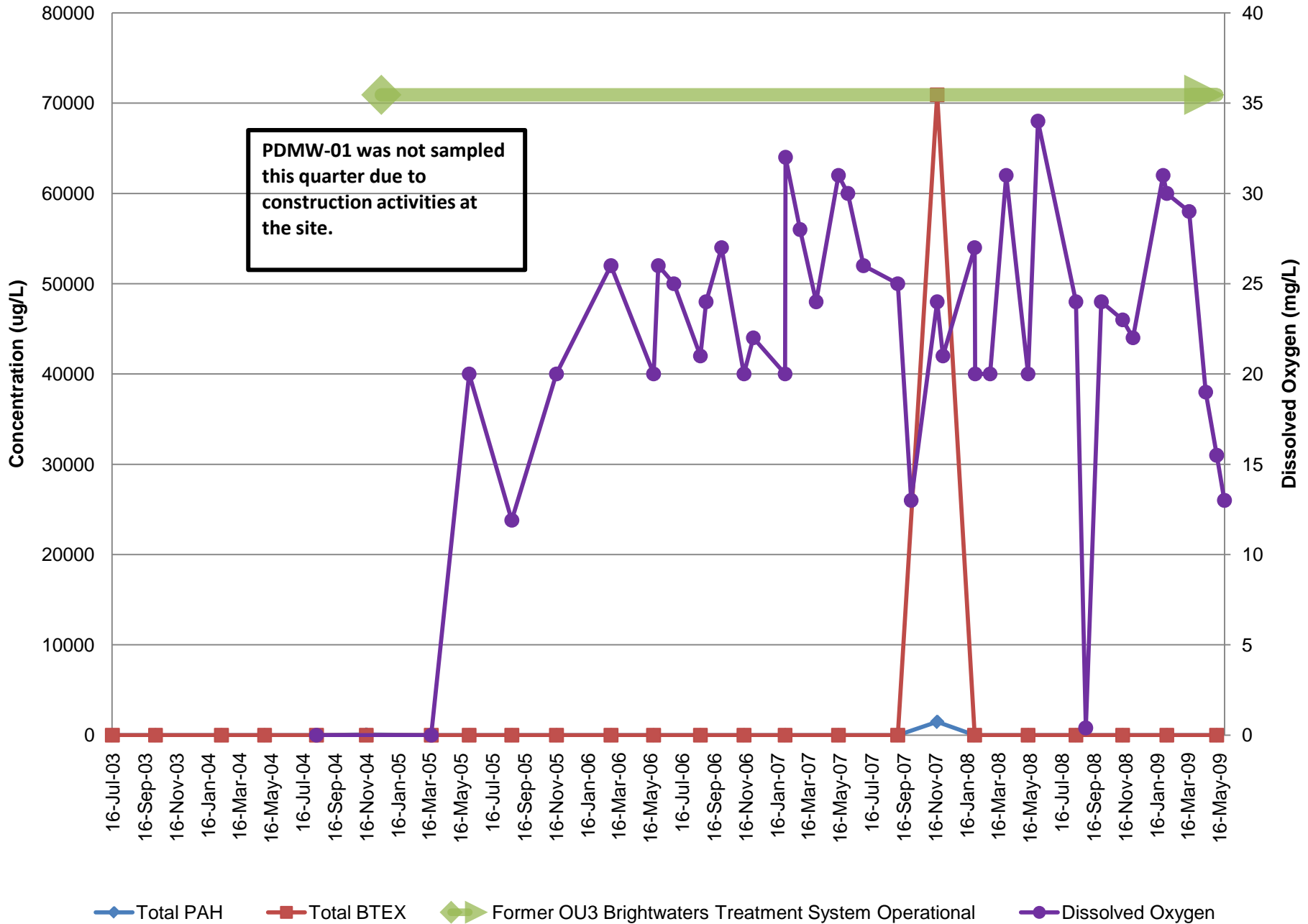


Monitoring Well OU3MW-06

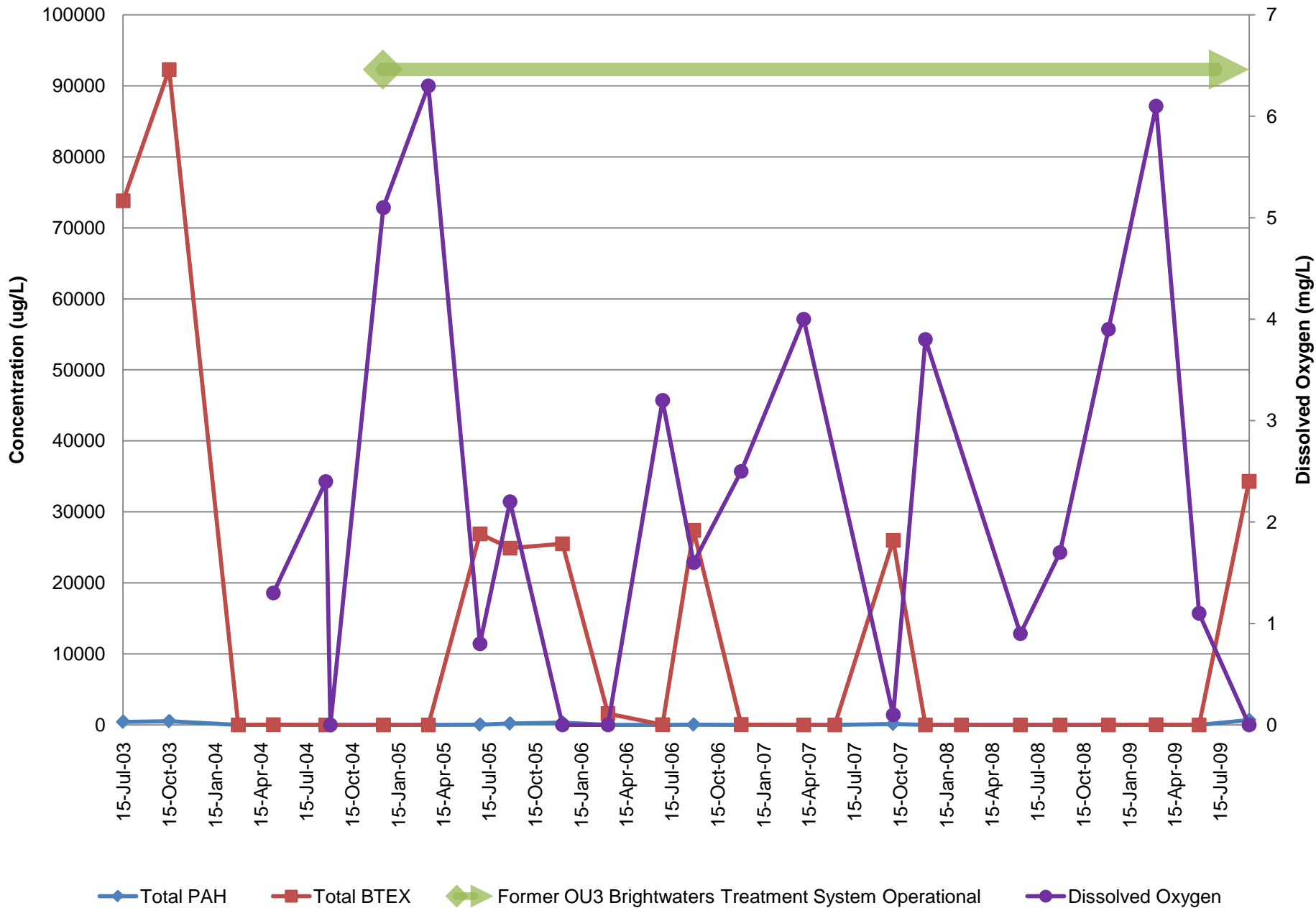
3-13 ft bgs



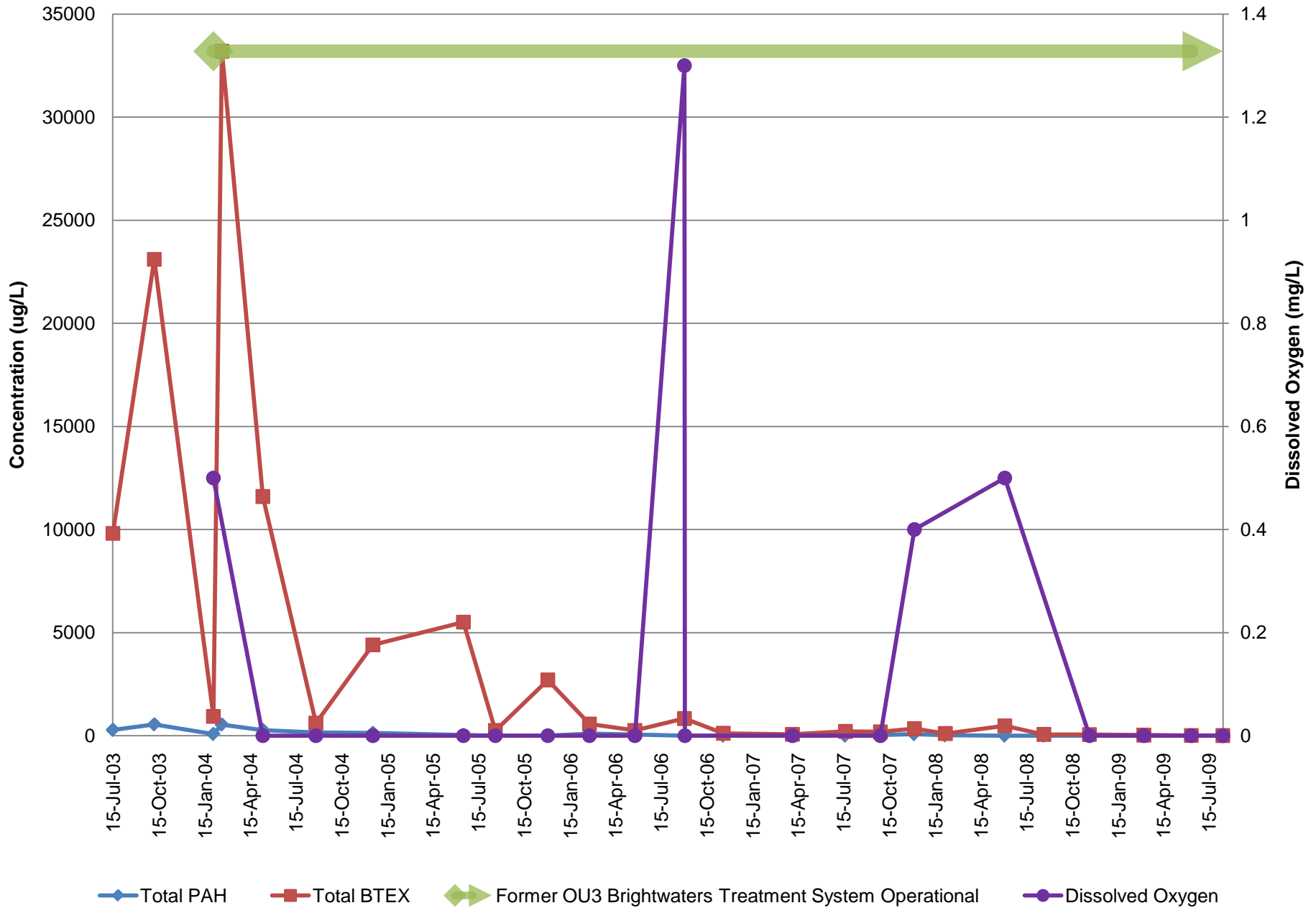
Monitoring Well PDMW-01 5-20 ft bgs



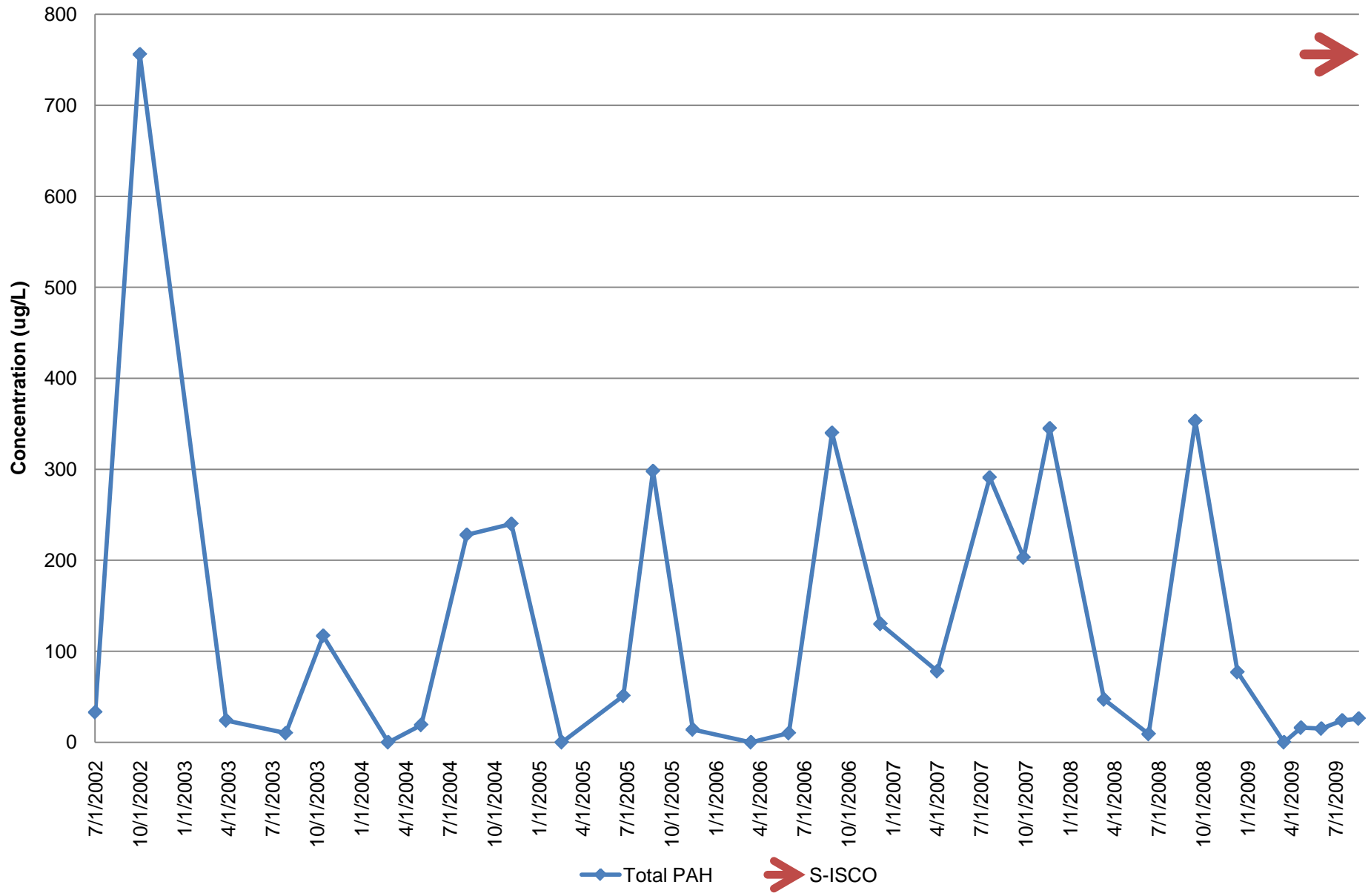
Monitoring Well SV-02 2-12 ft bgs



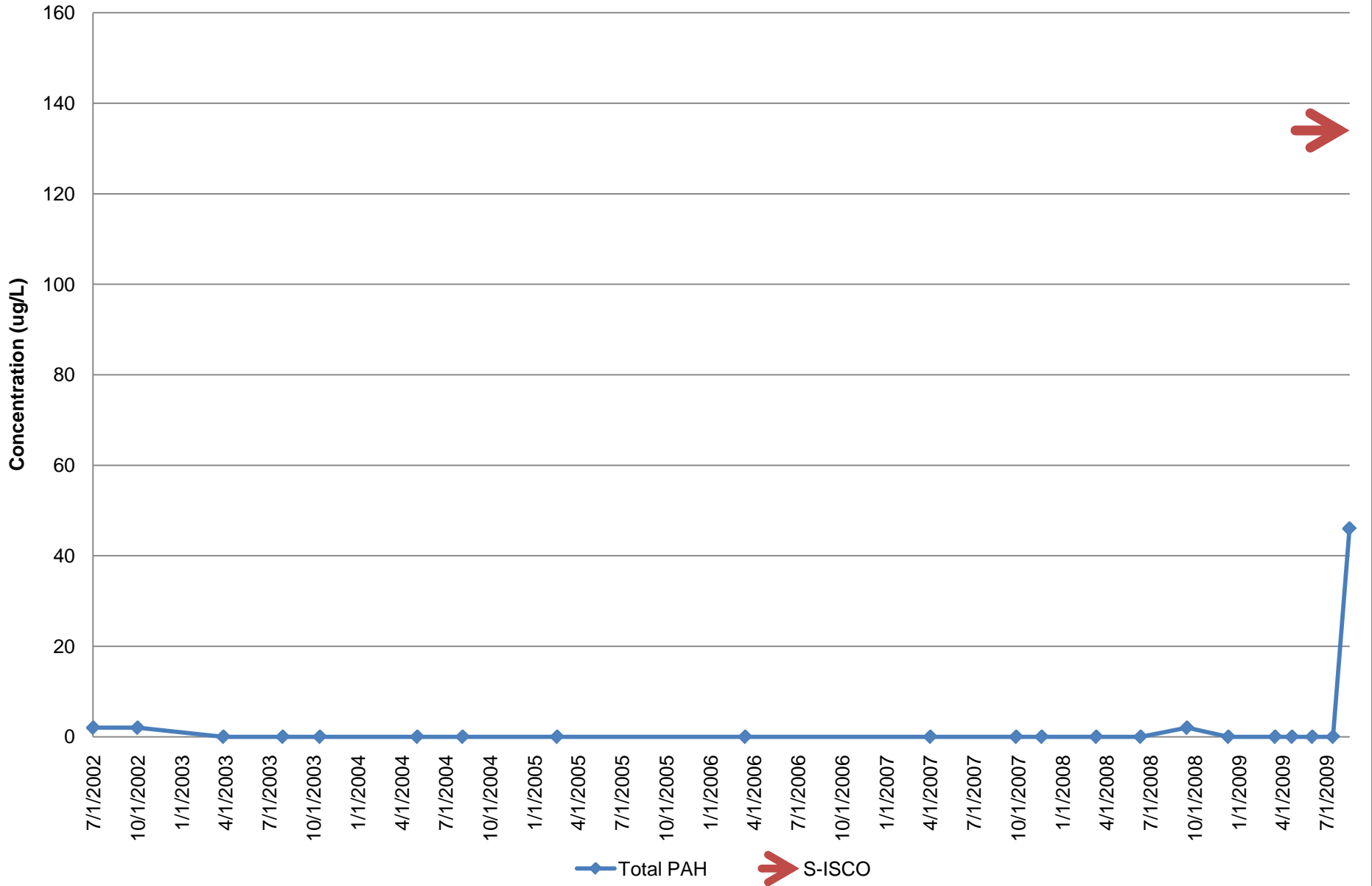
Monitoring Well SV-03 2-12 ft bgs



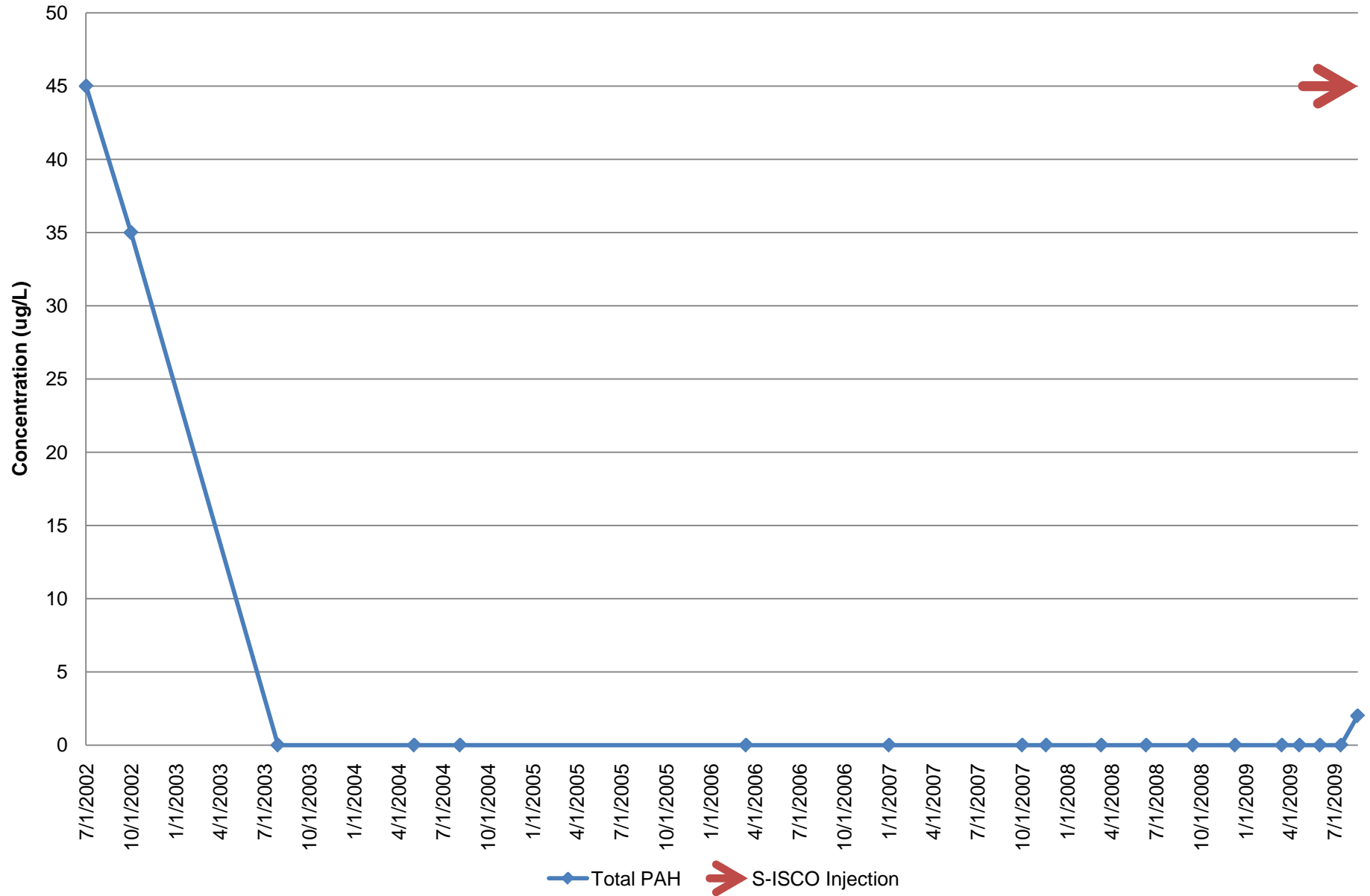
Monitoring Well WCMW-01S 2-12 ft bgs



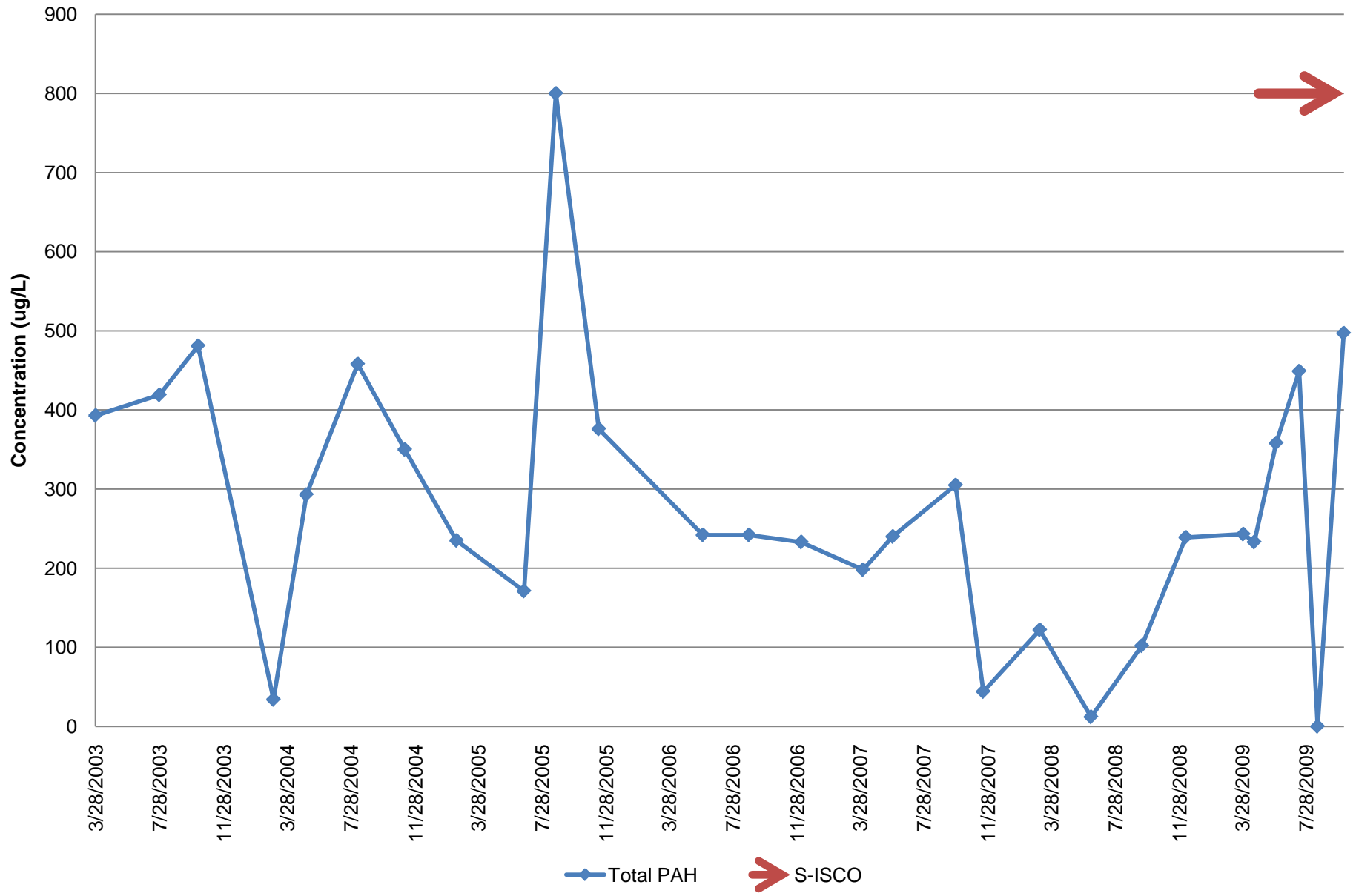
Monitoring Well WCMW-01I 35-45 ft bgs



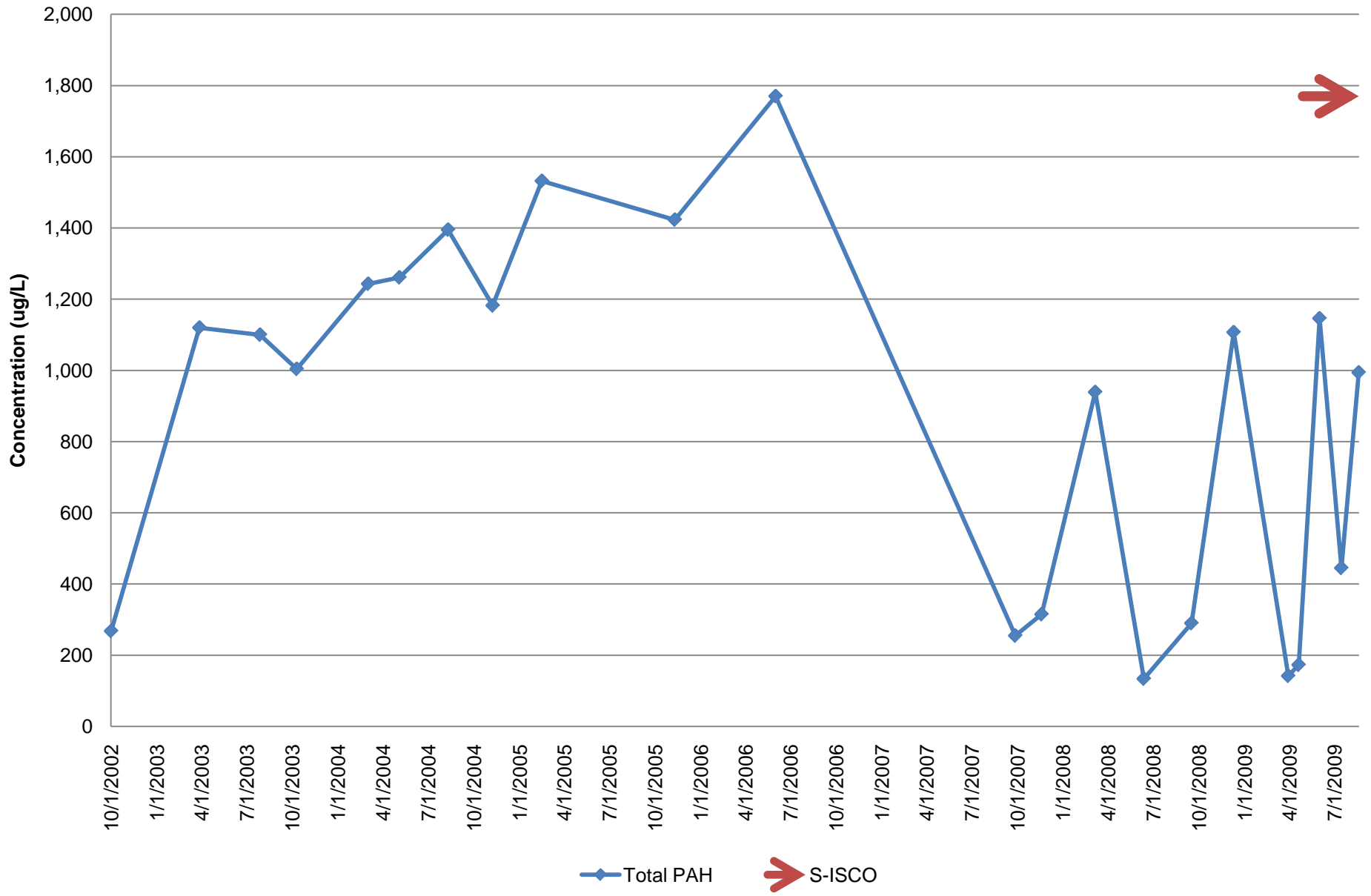
Monitoring Well WCMW-01D 64-74 ft bgs



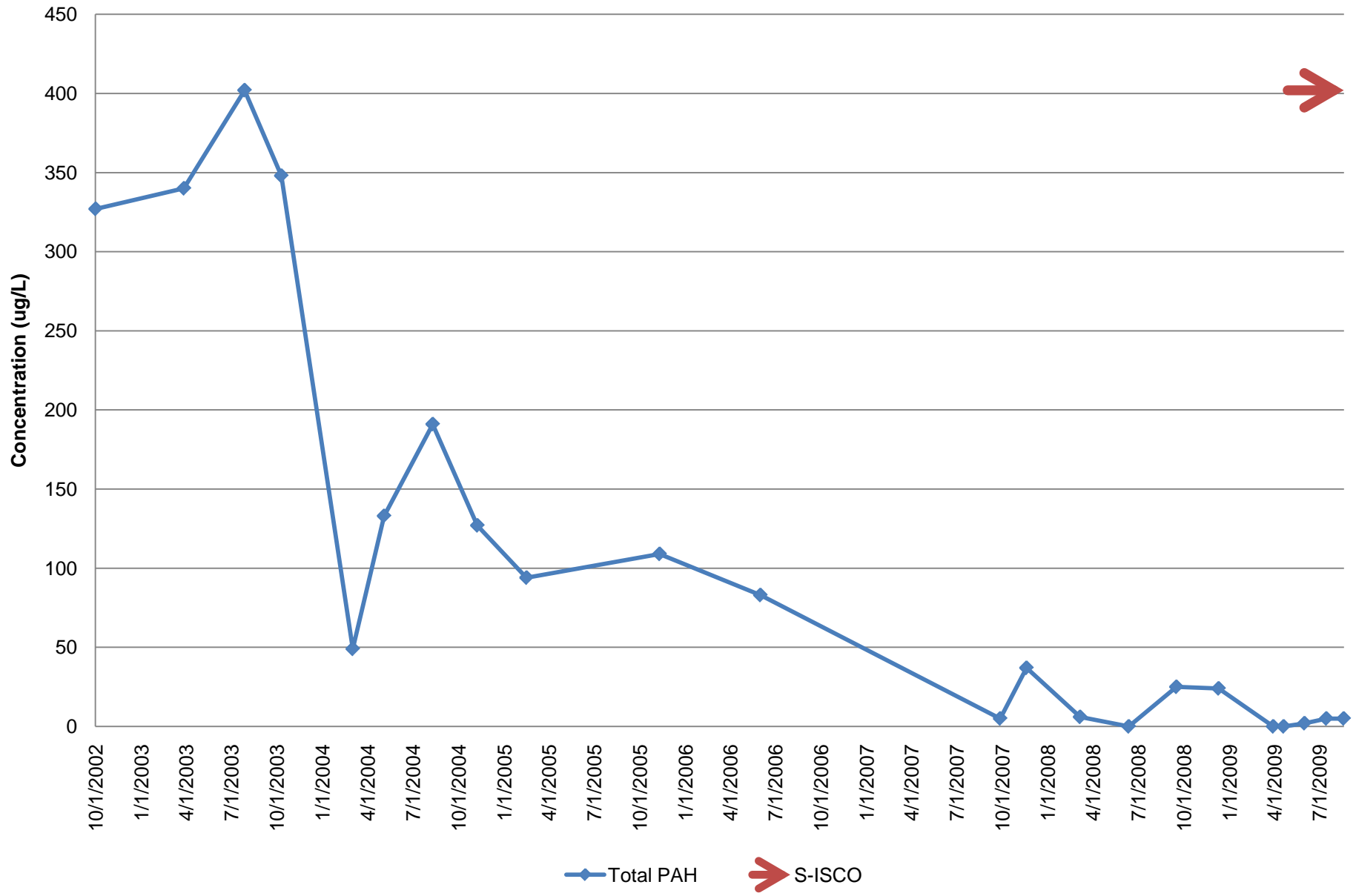
Monitoring Well WCMW-03S 4.83-9.83 ft bgs



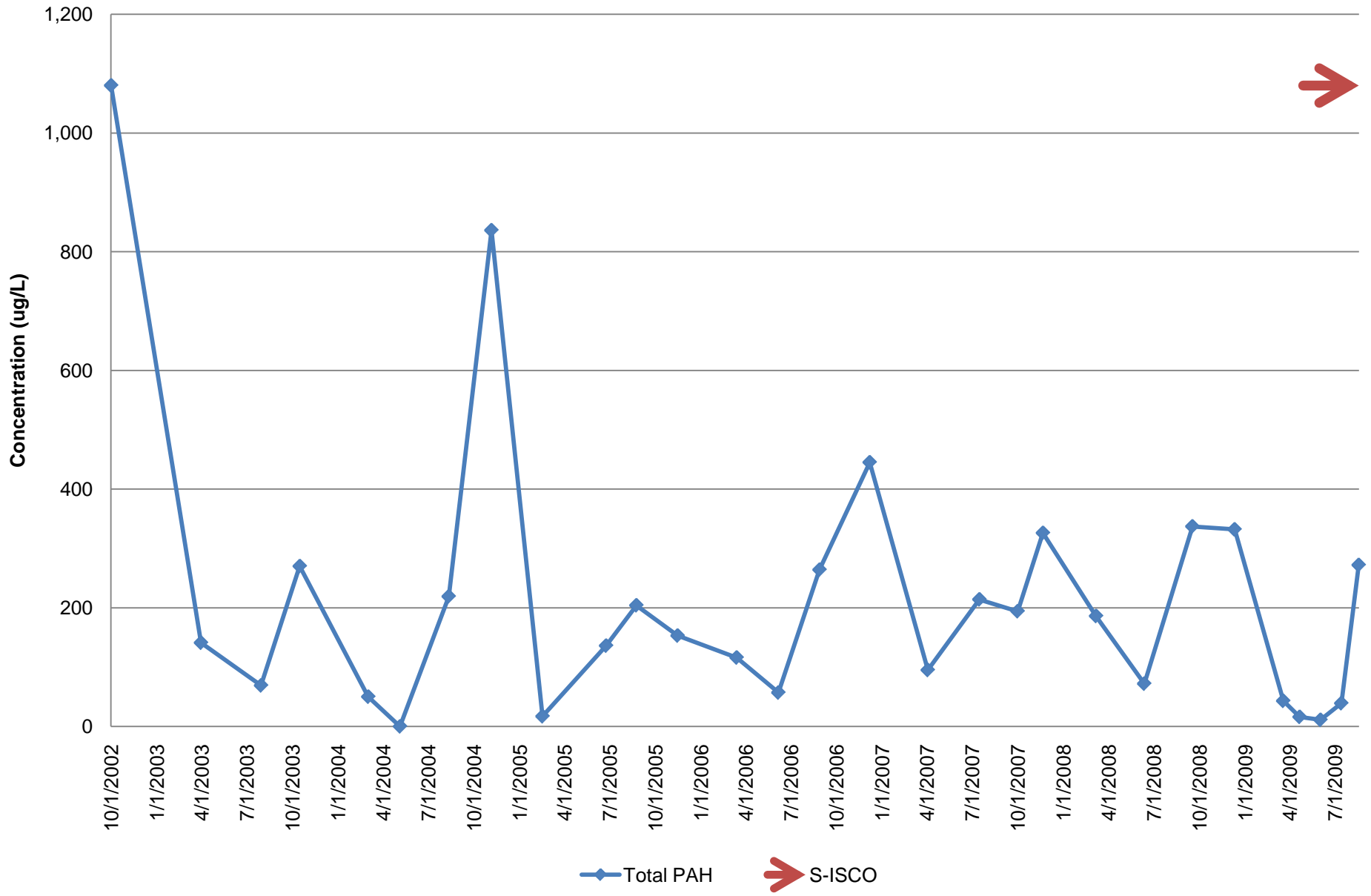
Monitoring Well WCMW-03I 19.4-24.4 ft bgs



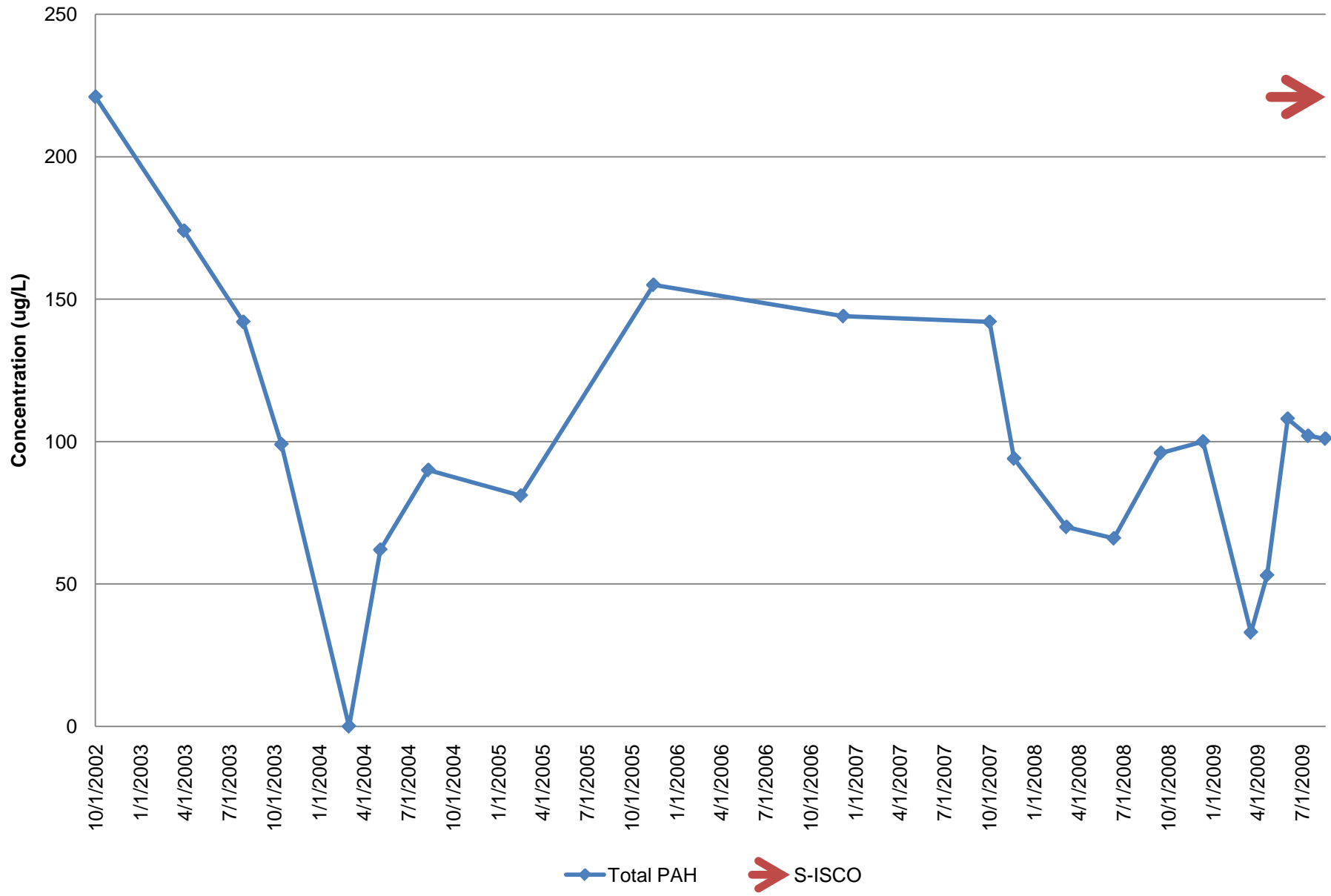
Monitoring Well WCMW-0312 28.55 - 33.55 ft bgs



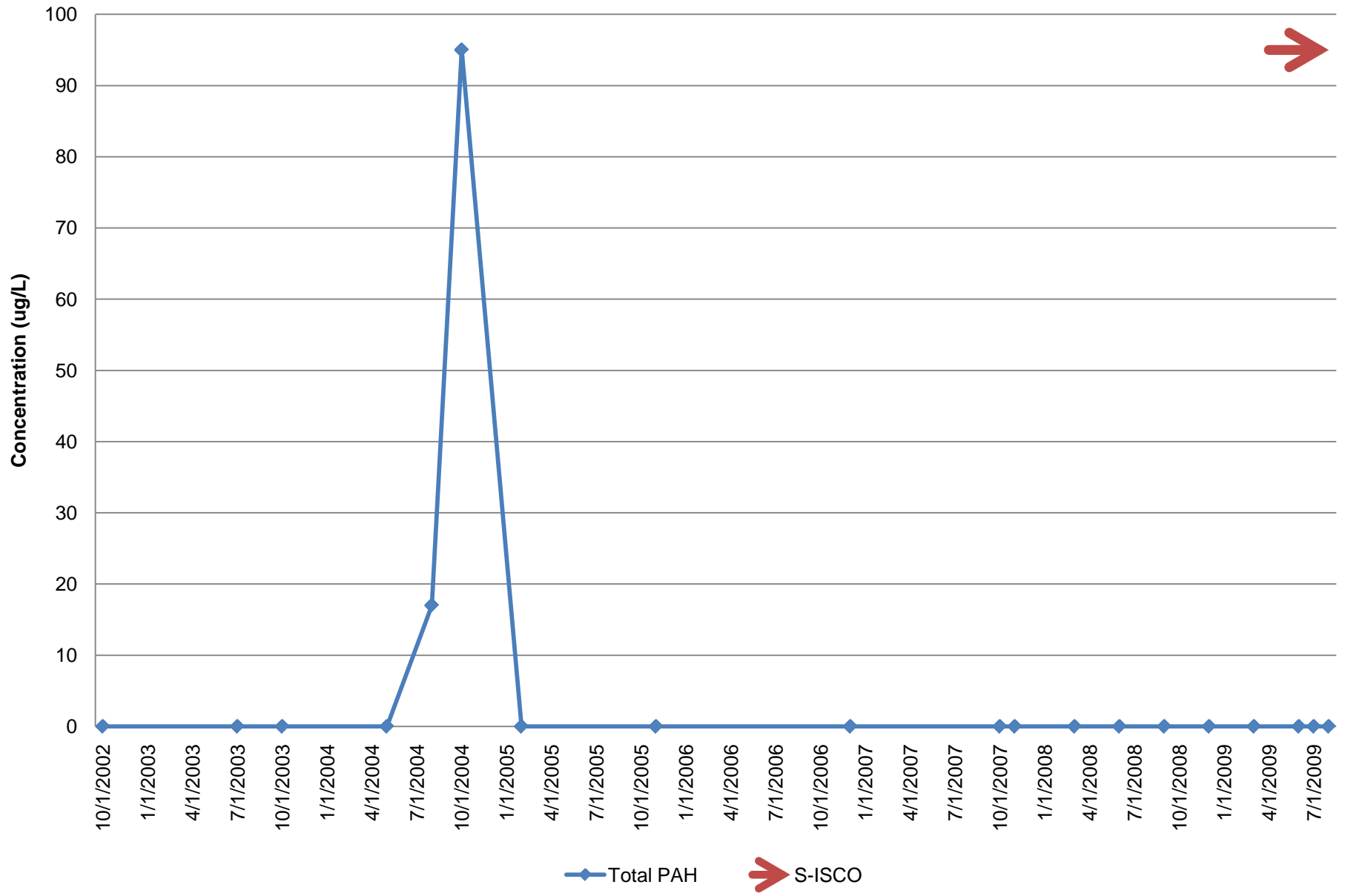
Monitoring Well WCMW-04S 1.6 - 11.6 ft bgs



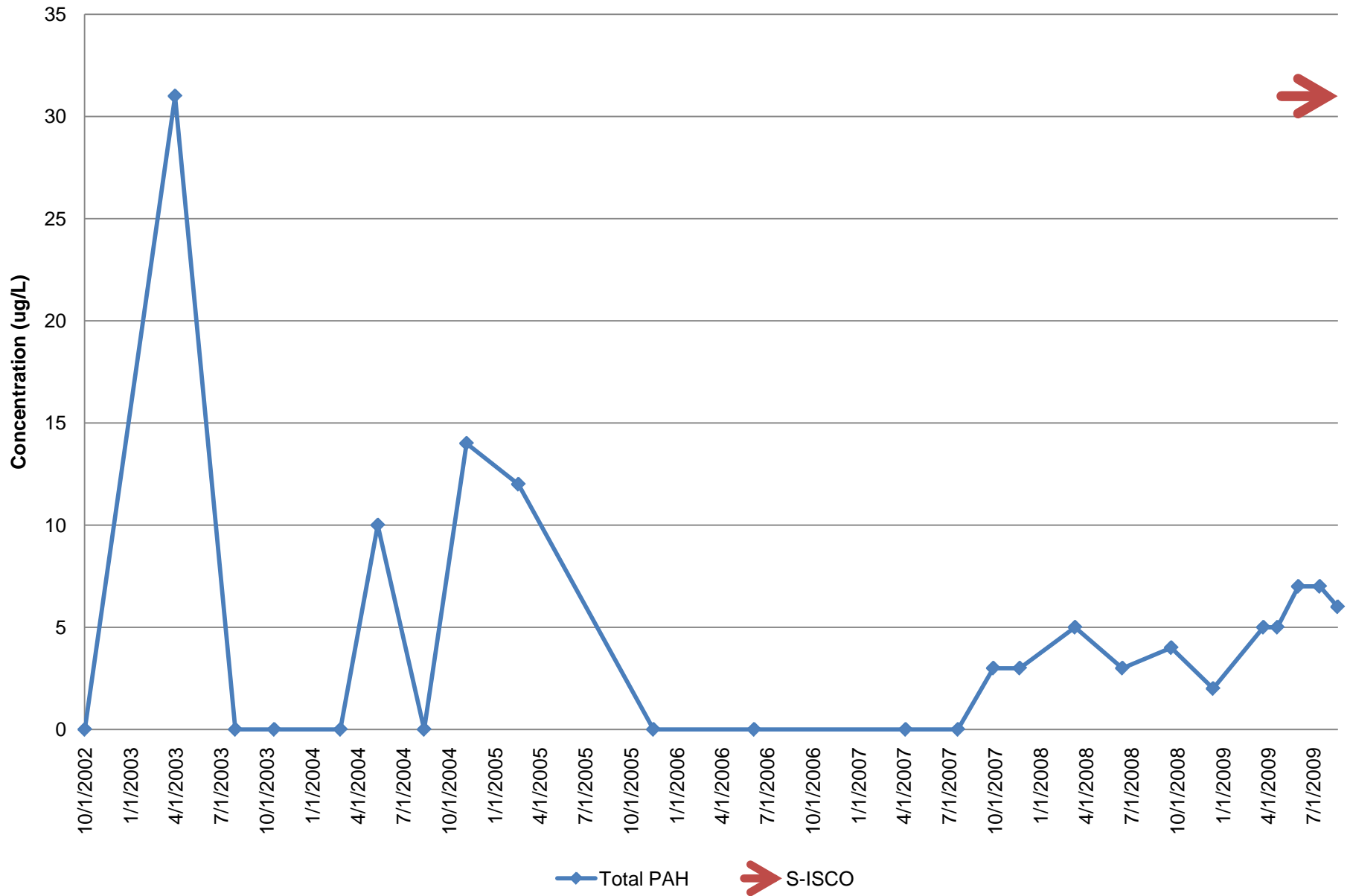
Monitoring Well WCMW-04I 19-24ft bgs



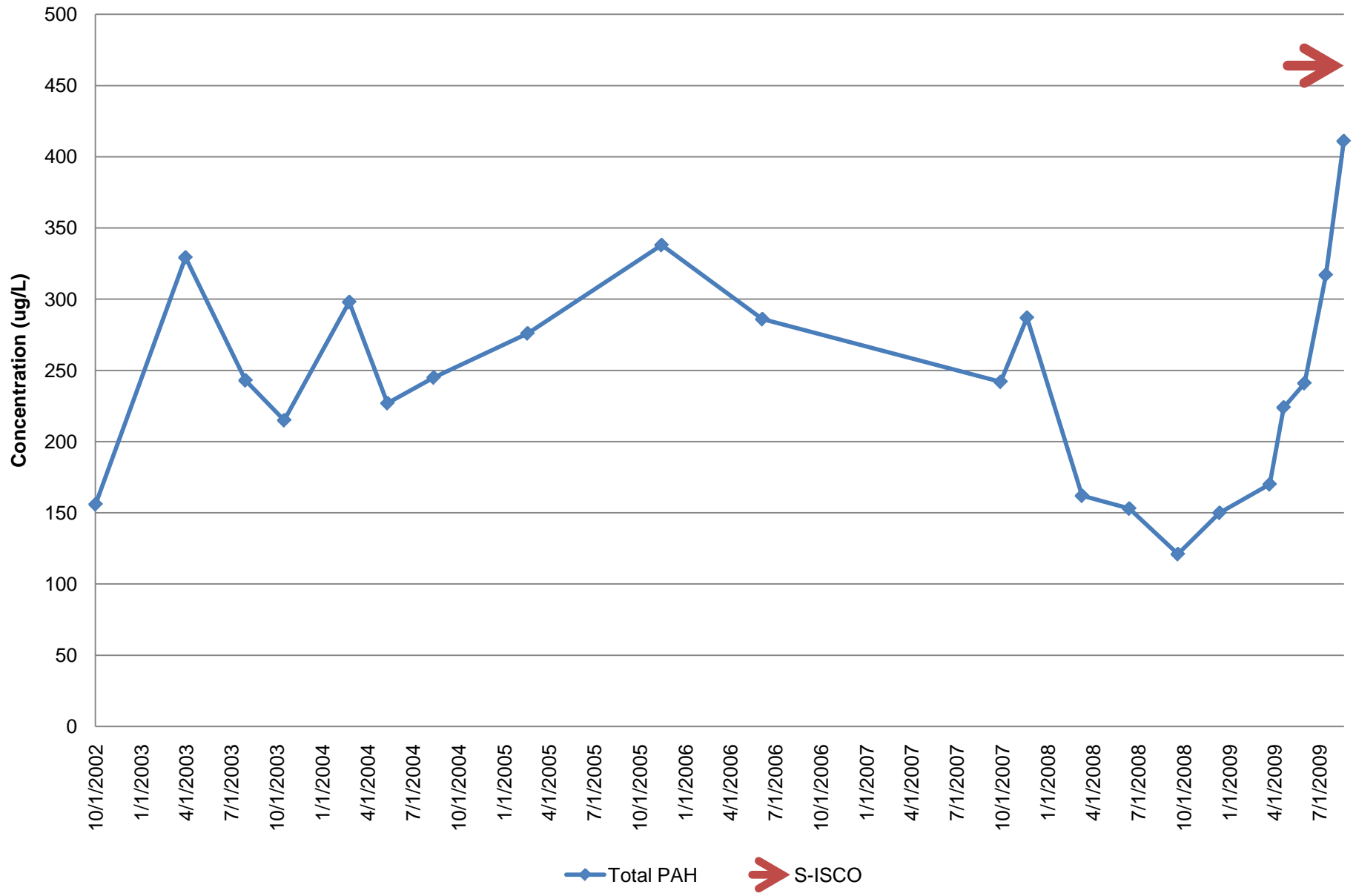
Monitoring Well WCMW-0412 29.85 - 34.85 ft bgs



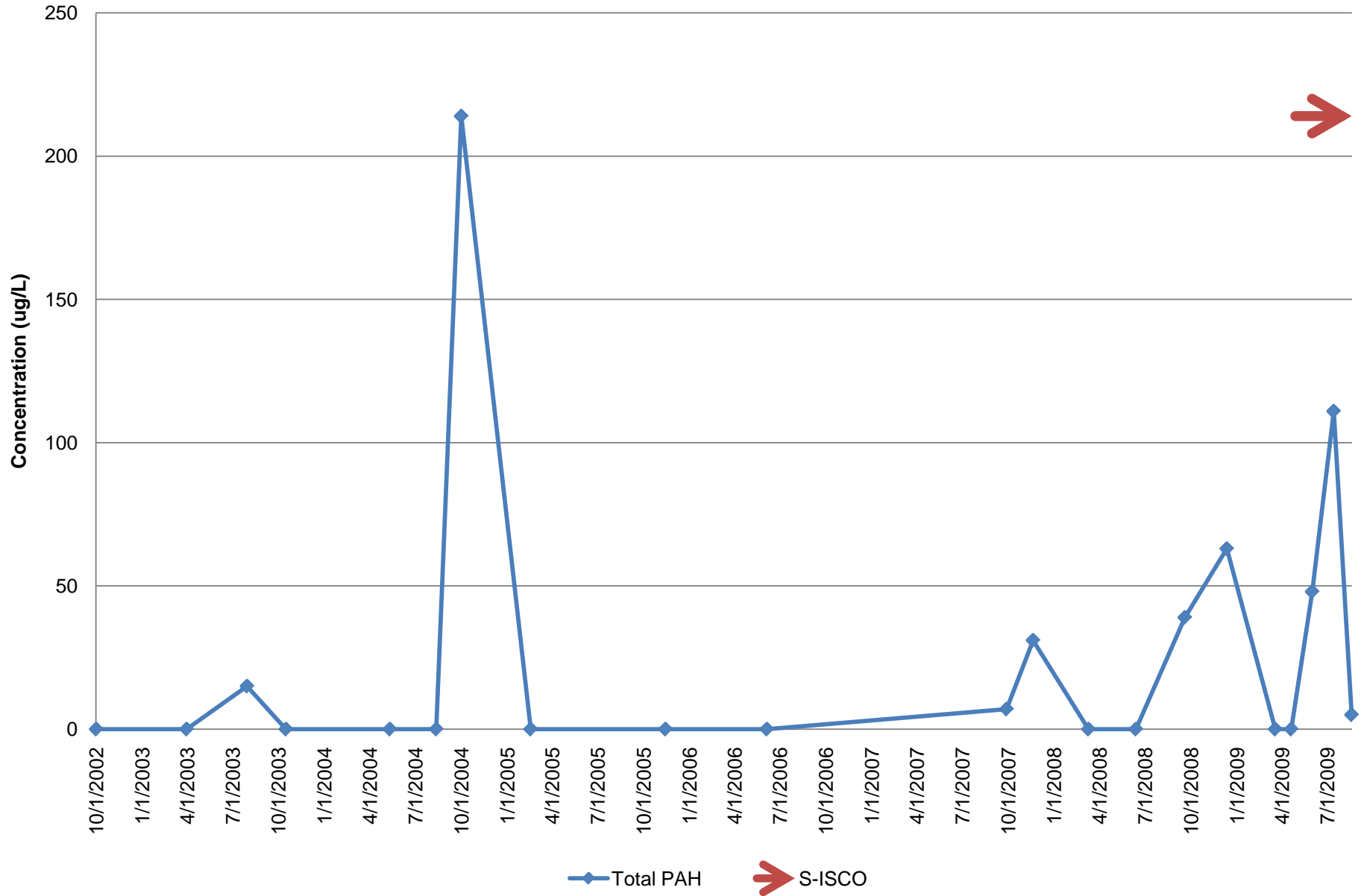
Monitoring Well WCMW-05S 1.4 -11.4 ft bgs



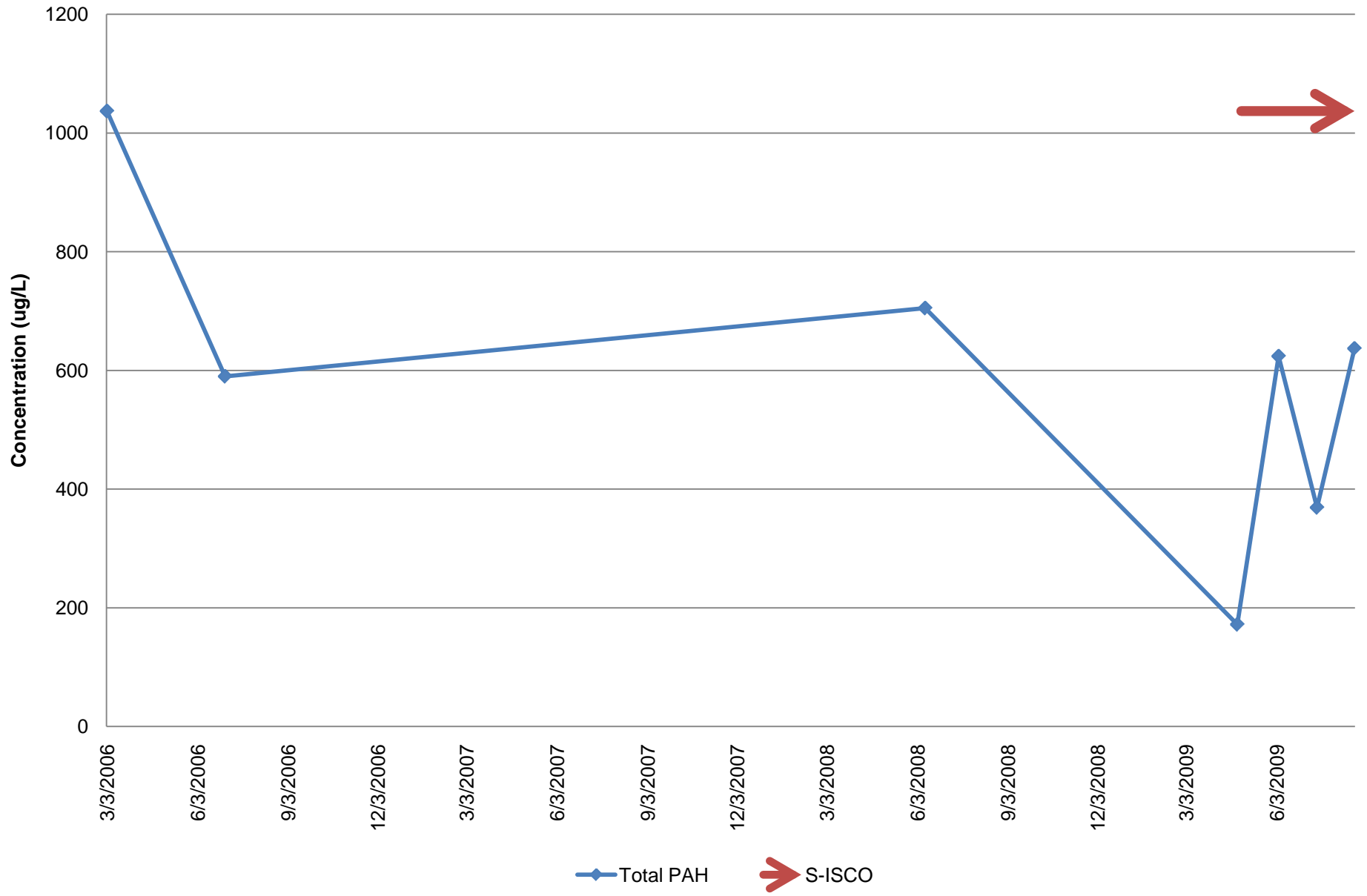
Monitoring Well WCMW-05I 19.61 - 24.61 ft bgs



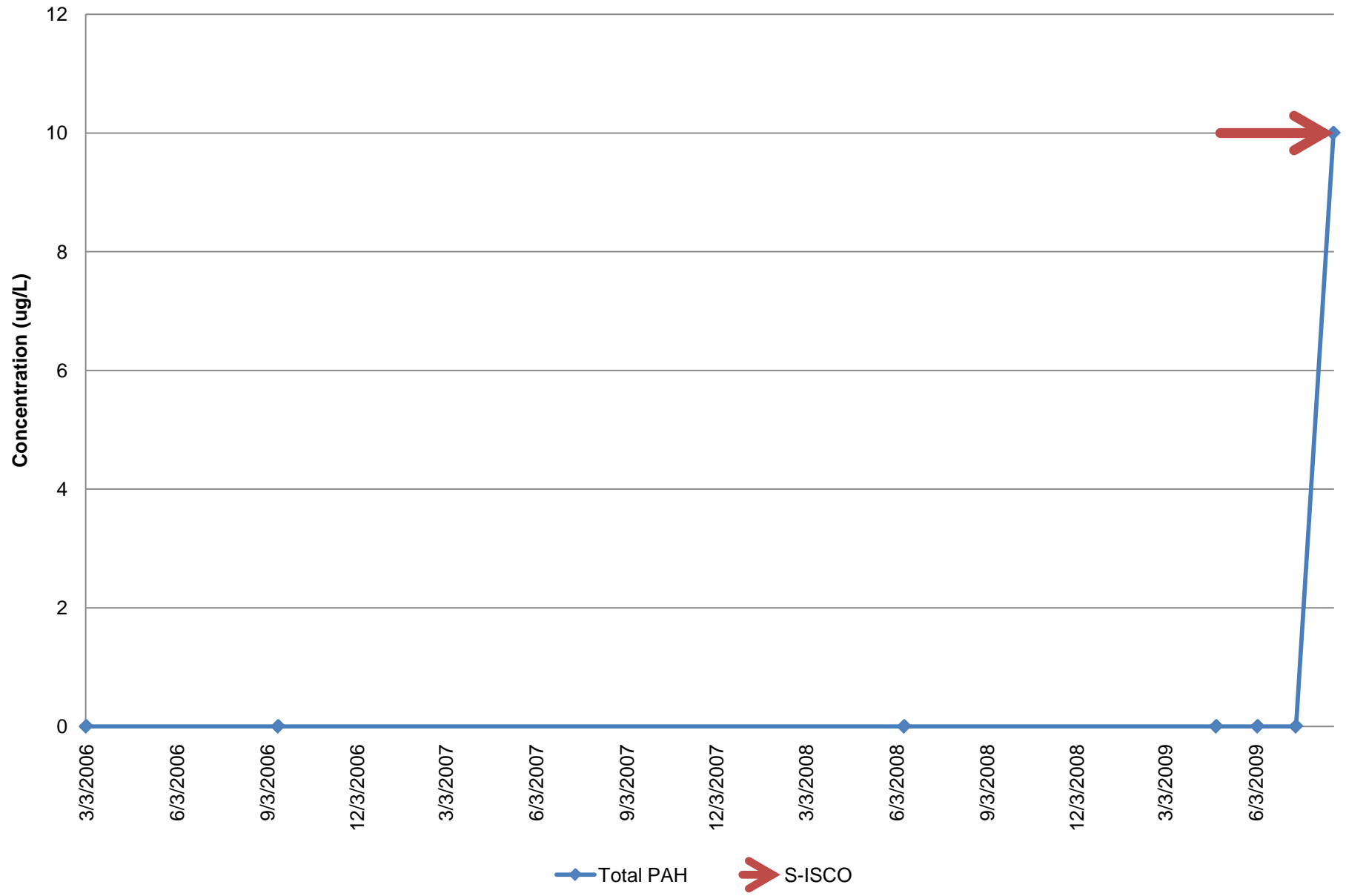
Monitoring Well WCMW-0512 29.46 - 34.46 ft bgs



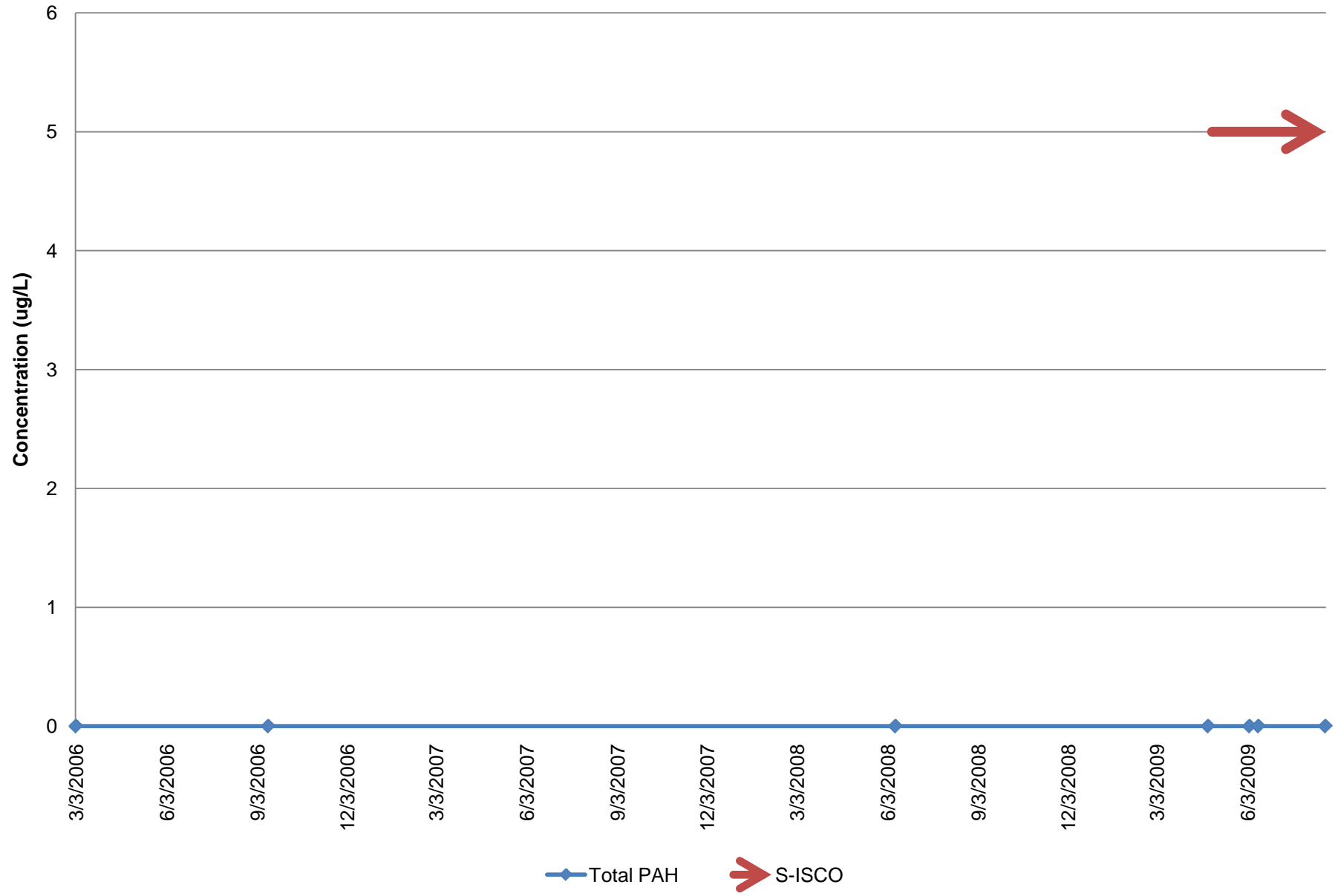
Monitoring Well WCMW-11S 5 -15 ft bgs



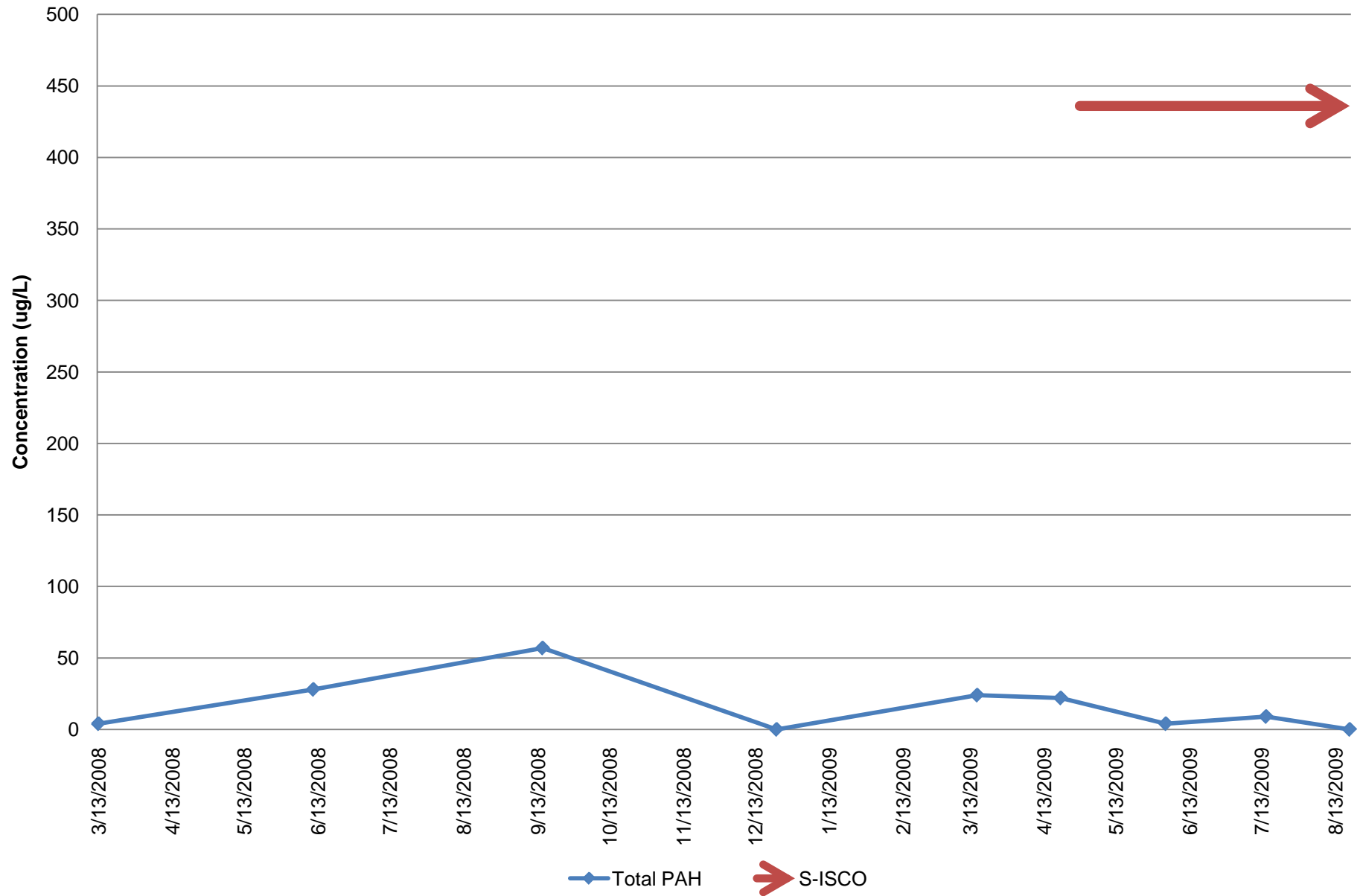
Monitoring Well WCMW-11I 25-35 ft bgs



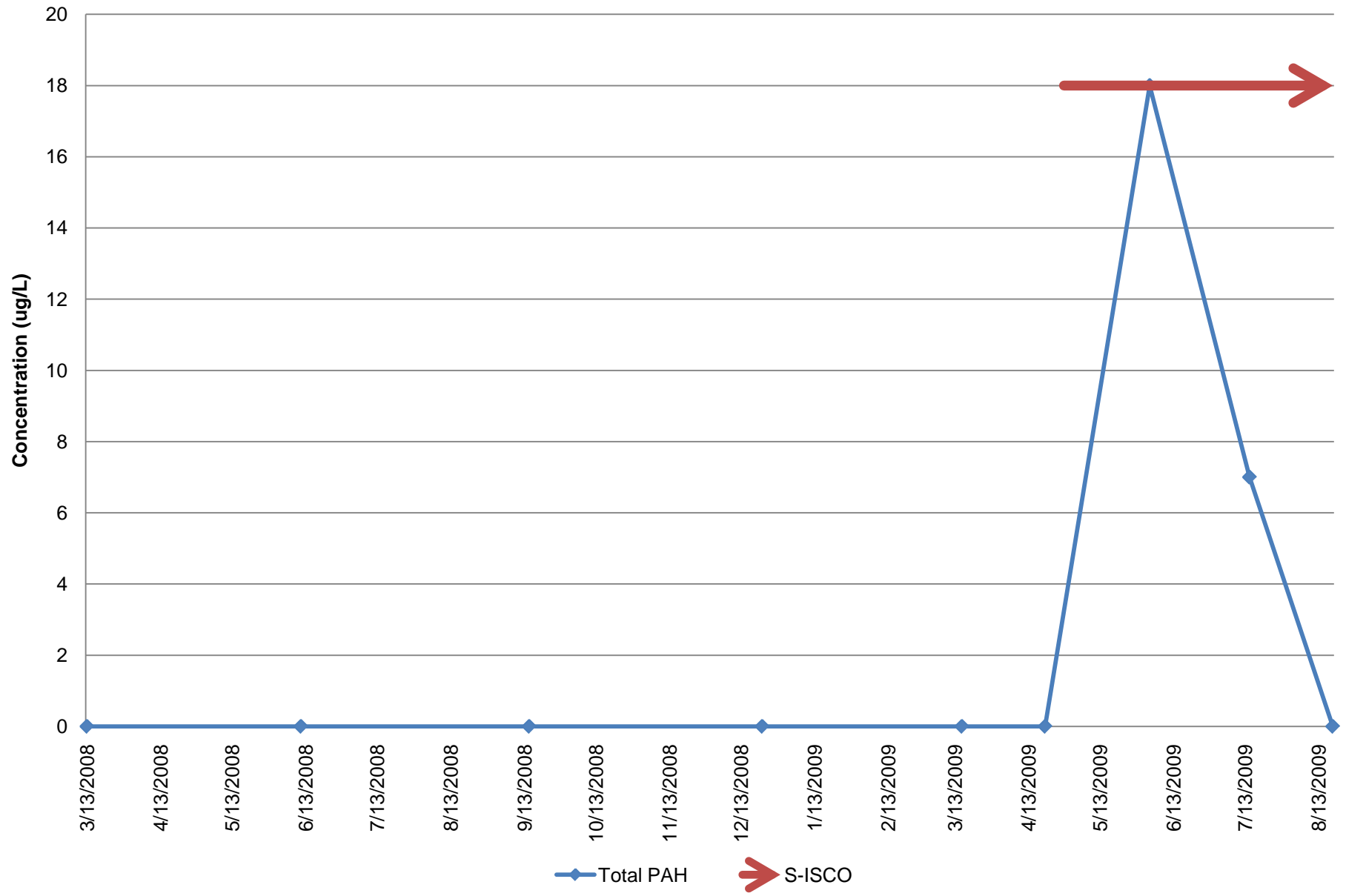
Monitoring Well WCMW-11D 50-60 ft bgs



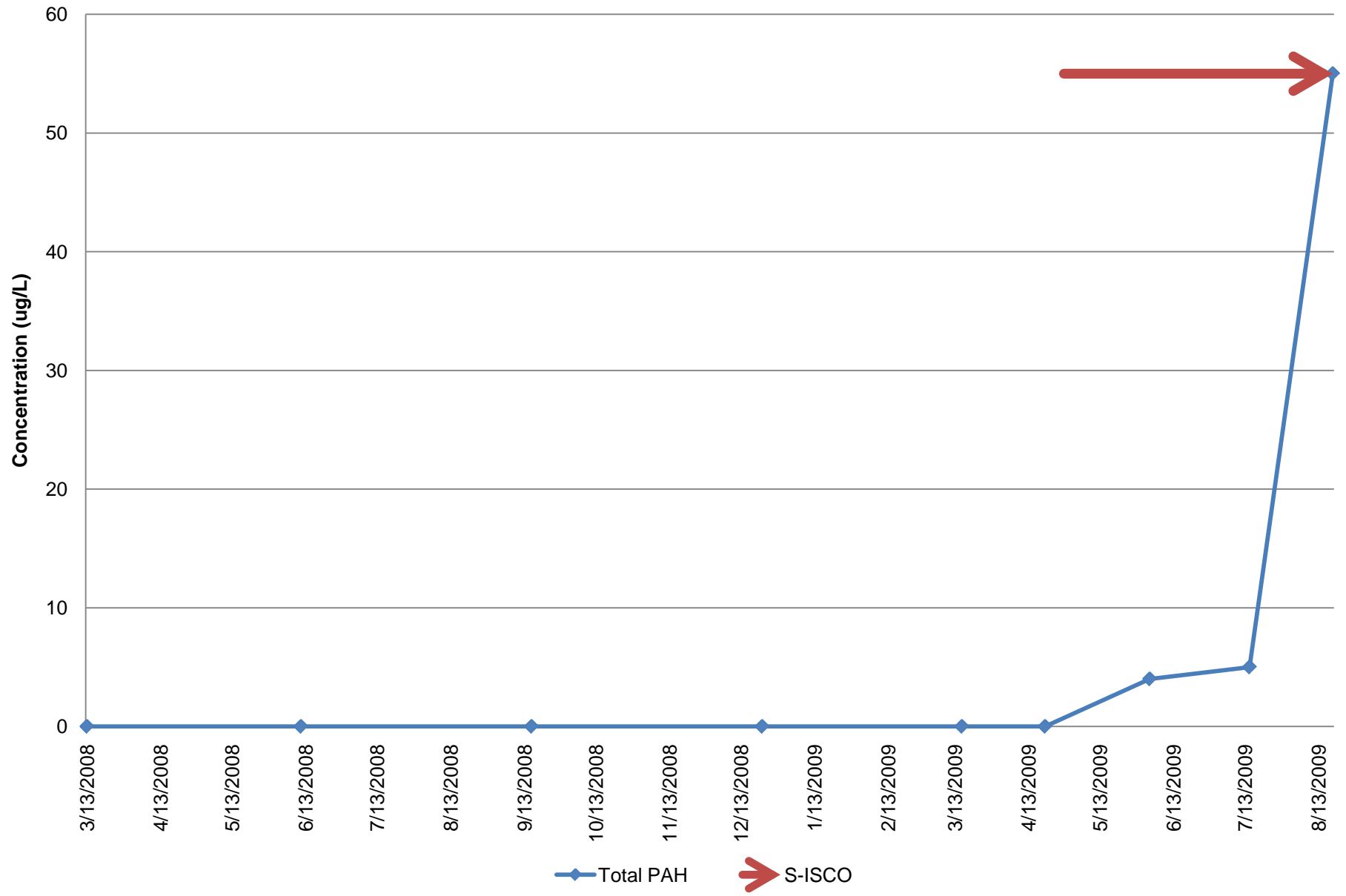
Monitoring Well WCMW-16S 2-12 ft bgs



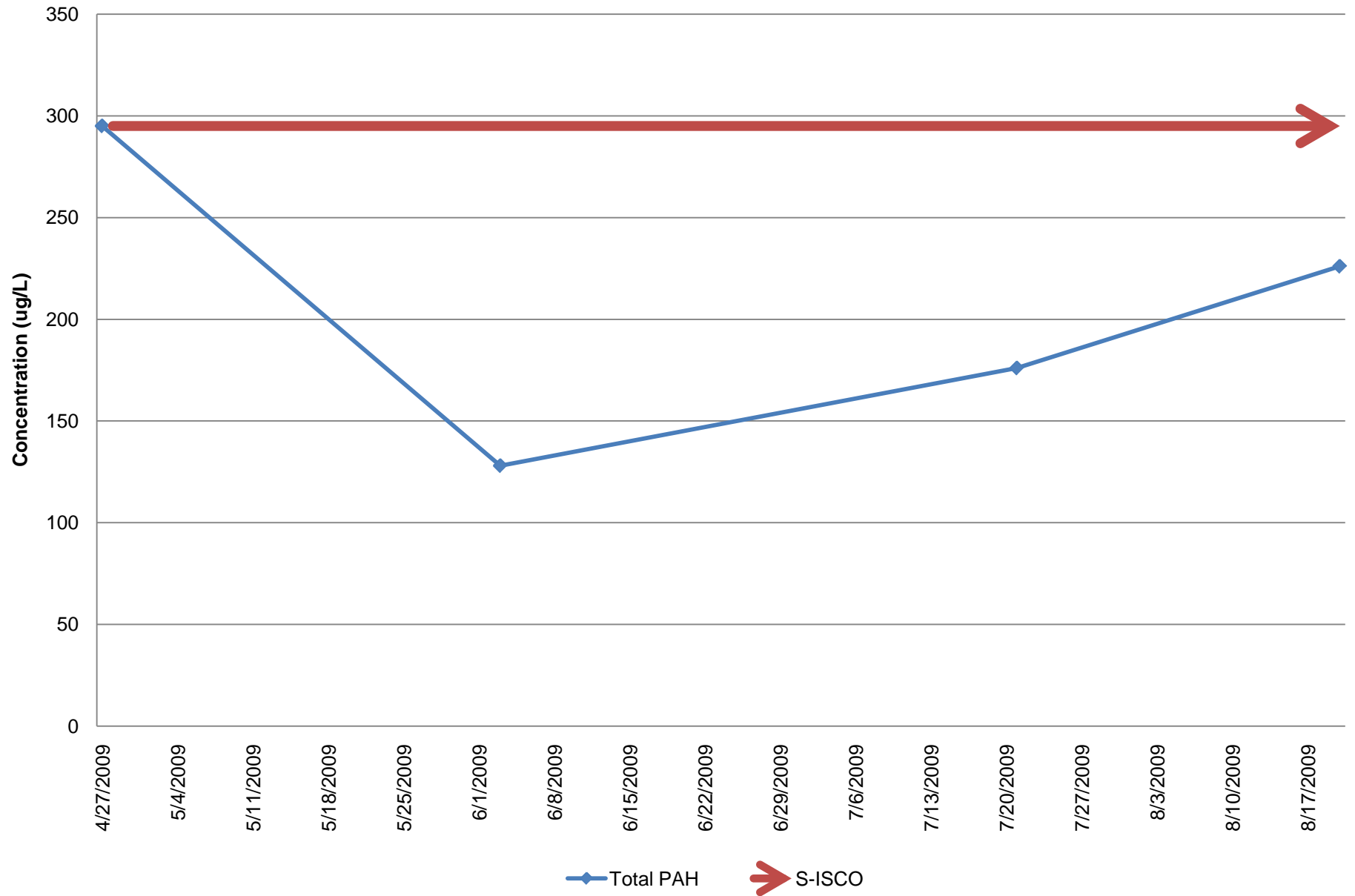
Monitoring Well WCMW-16I 20-25 ft bgs



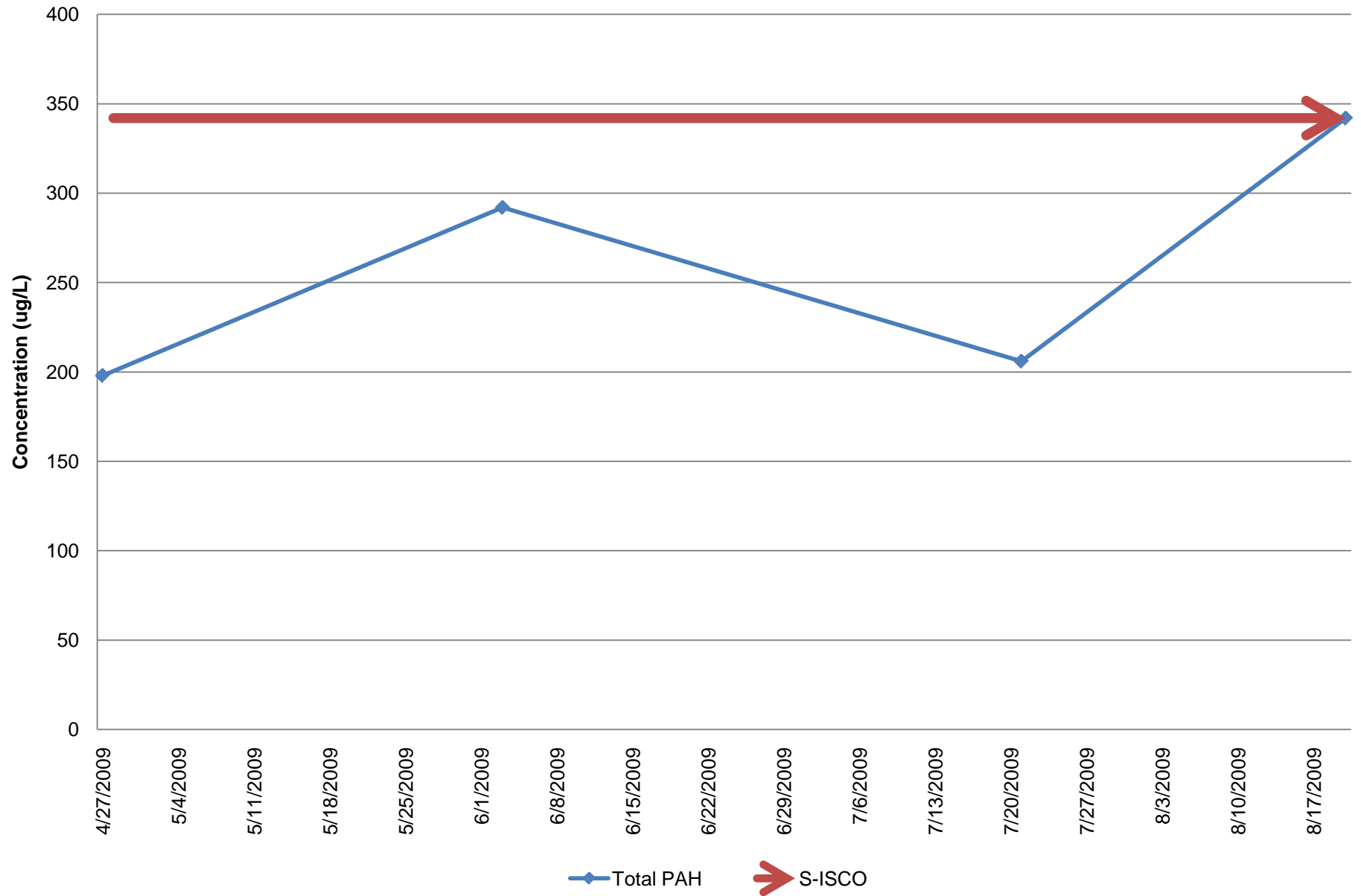
Monitoring Well WCMW-16I2 30-35 ft bgs



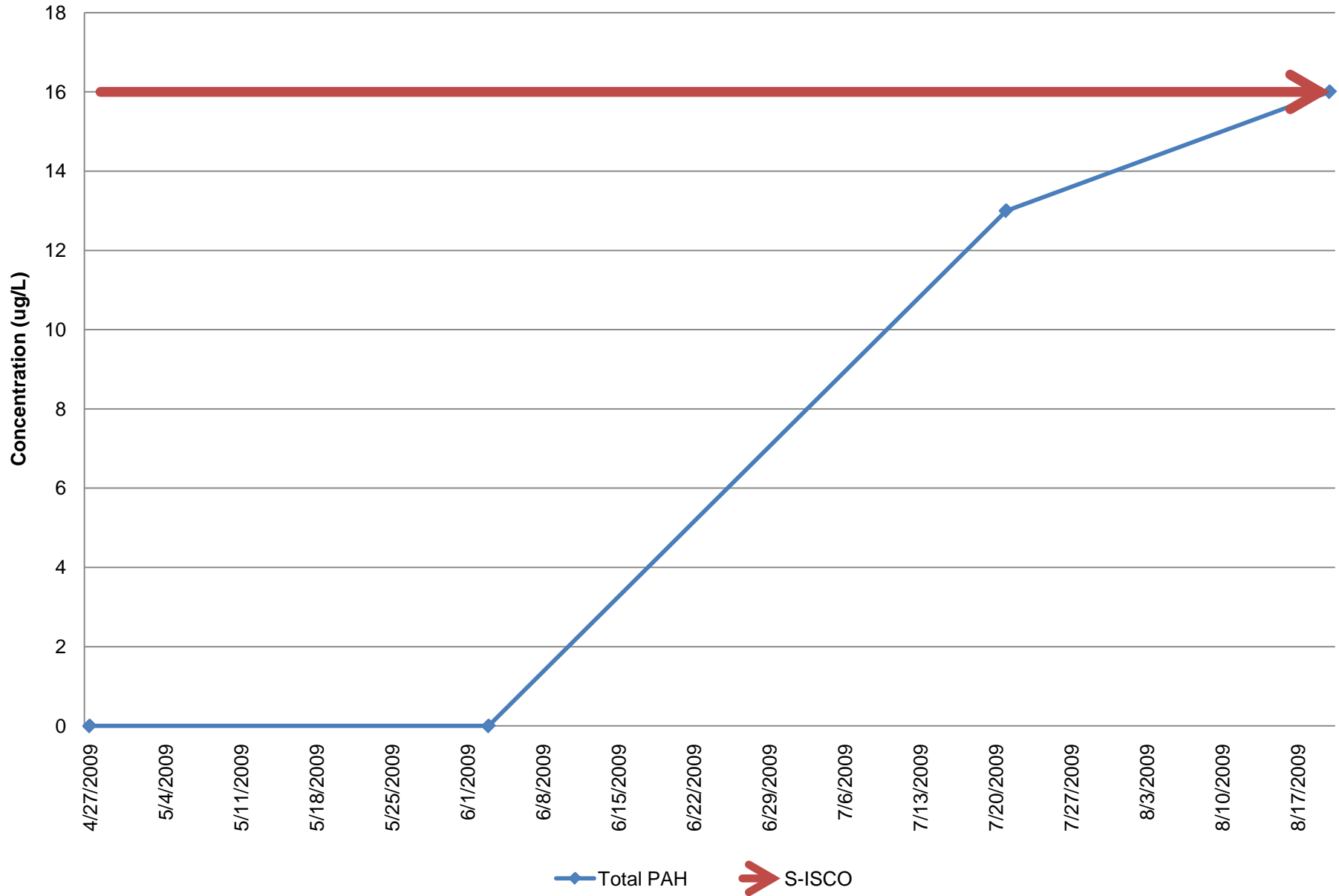
Monitoring Well WCMW-17S 2-12 ft bgs



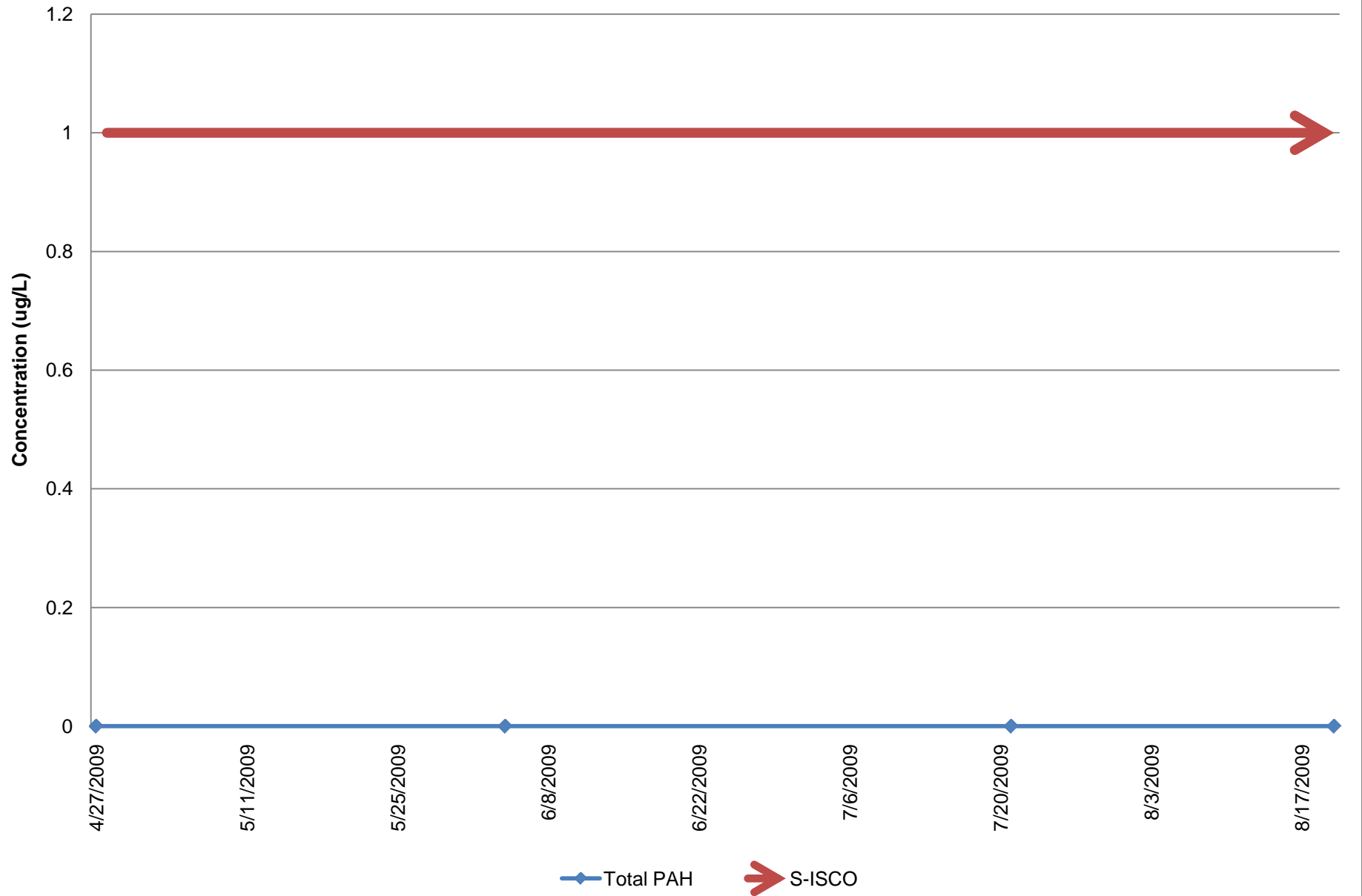
Monitoring Well WCMW-17I 20-25 ft bgs



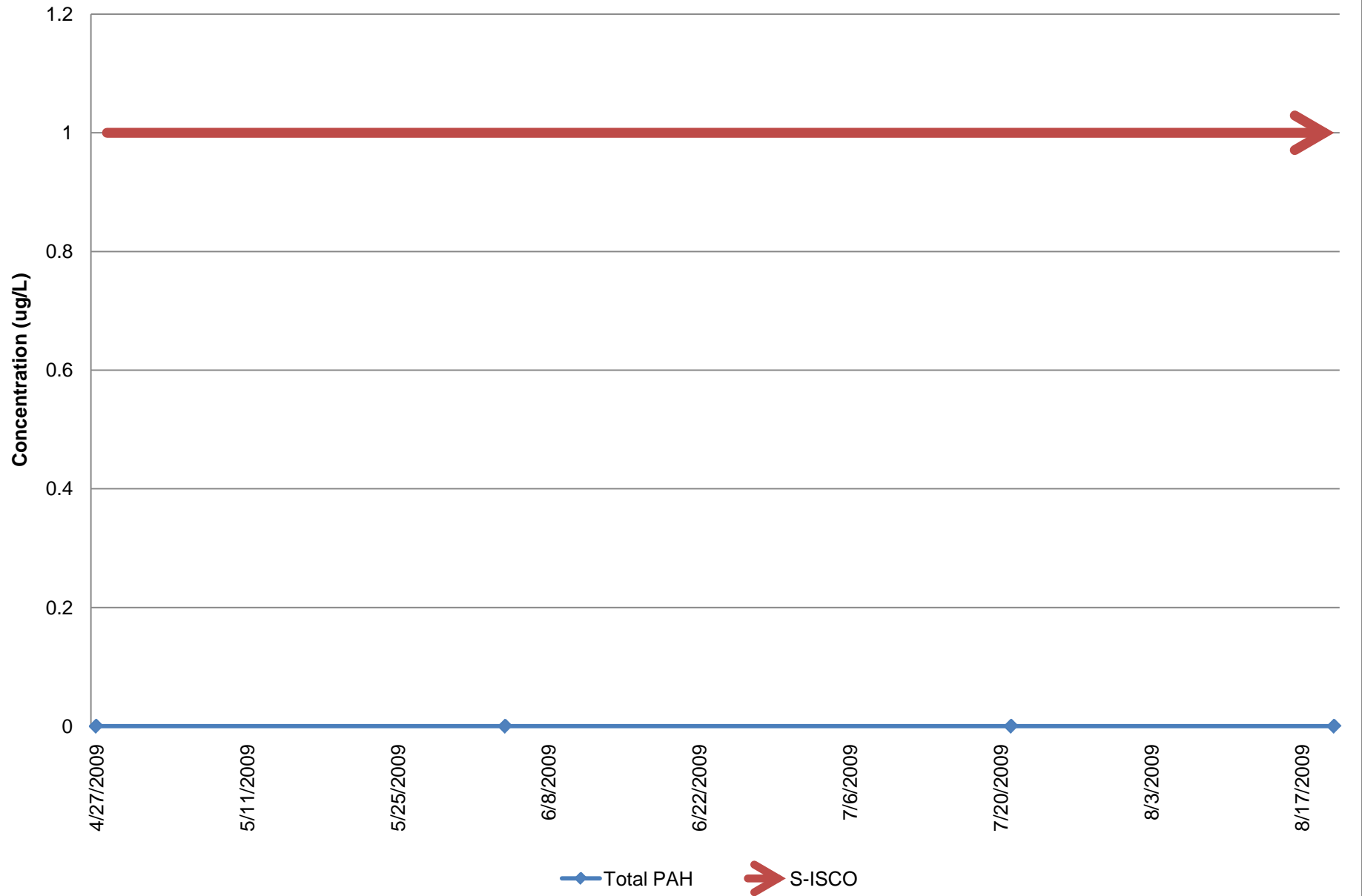
Monitoring Well WCMW-1712 30-35 ft bgs



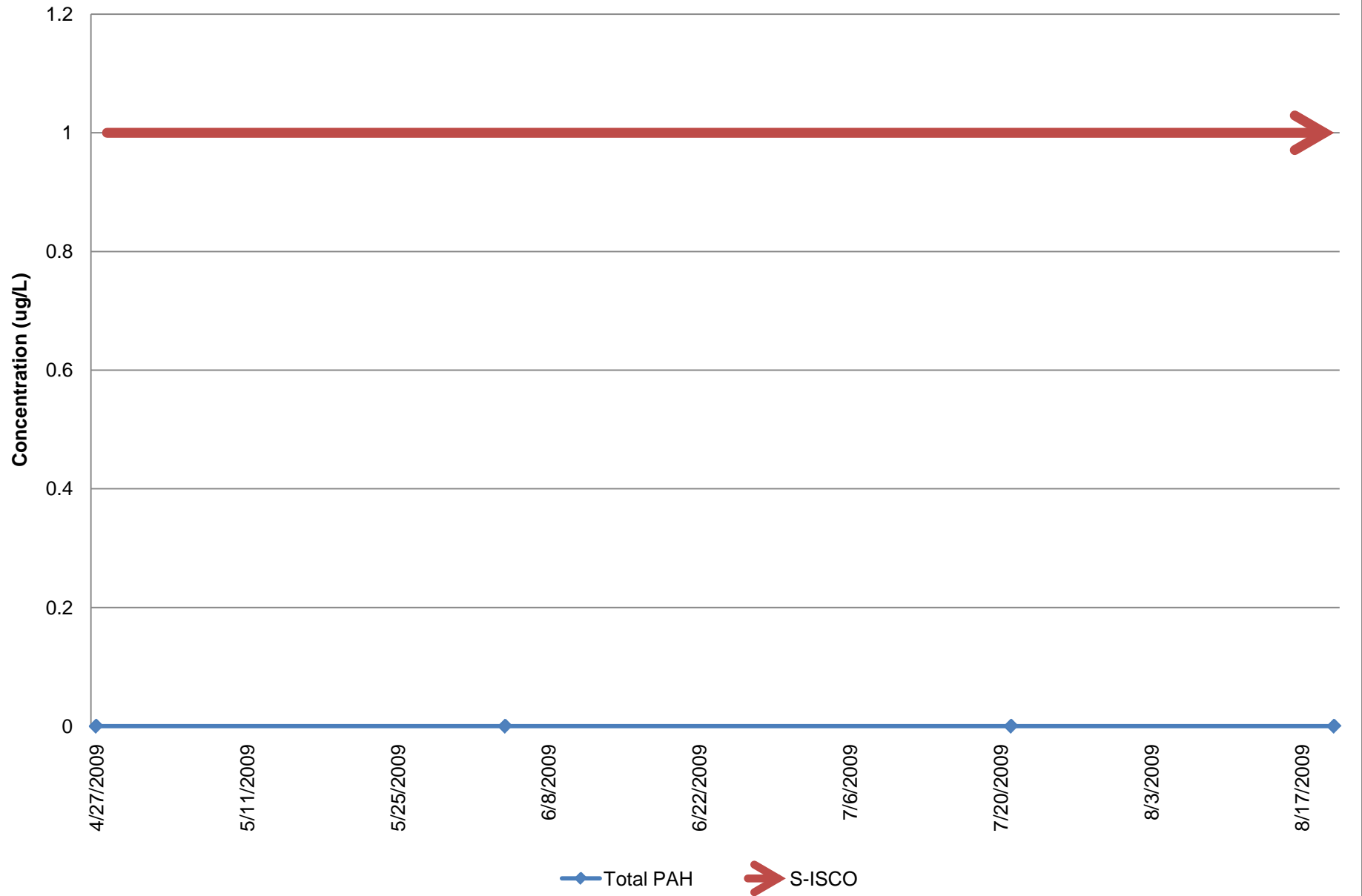
Monitoring Well WCMW-18WT 2-7 ft bgs



Monitoring Well WCMW-18S 2-12 ft bgs



Monitoring Well WCMW-18I 20-25 ft bgs



Monitoring Well WCMW-1812 30-35 ft bgs

