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Quarterly Operations, Maintenance & Monitoring Report
Third Quarter (Q3) 2010

Bay Shore/Brightwaters Former MGP Site

Town of Islip
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Executive Summary

This report presents the third quarter 2010 (Q3 2010) 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).

In 2003, the Site was divided into four operable units (OU-1 through OU-4) to more effectively manage investigation and remediation activities. The OM&M activities and results of all four OUs have been combined in this report in order to present an overall picture of remedial system performance and groundwater quality trends. OM&M activities include maintenance and monitoring of the dense non-aqueous phase liquid (DNAPL) recovery and groundwater treatment systems, quarterly and monthly groundwater monitoring, and monitoring of soil vapor and ambient air. This report includes discussion of the effectiveness of the DNAPL recovery, groundwater treatment systems, excavation activities, and other remedial activities on groundwater quality in the upper glacial aquifer.

Remedial activities conducted during Q3 2010 included operation of the ozone injection system in OU-1, the installation of an oxygen injection treatment line within OU-3, and initiation and completion of Phase III of the OU-3 Long Island Rail Road (LIRR) Excavation Interim Remedial Measure (IRM) in the Brightwaters Yard. The monitoring of these remedial measures continued through Q3 2010. Information pertaining to the operation and monitoring data from the oxygen injection and ozone injection systems, and groundwater monitoring data for each OU are included in this report.

Remediation

DNAPL Gauging and Recovery

A DNAPL recovery system is present in one well in OU-1. DNAPL recovery operations during Q3 2010 resulted in the recovery of approximately 18 gallons of DNAPL. Since the beginning of DNAPL recovery operations in 2006, approximately 357 gallons of DNAPL have been recovered.

The presence and thickness of non-aqueous phase liquid (NAPL), including DNAPL and light non-aqueous phase liquid (LNAPL), is gauged in six wells in OU-1 on a quarterly basis. LNAPL has not been detected during the monitoring program. Measured DNAPL thickness has remained consistent between Q1 2009 and Q3 2010.

Groundwater Treatment

Groundwater plumes originate from source areas in OU-1 and OU-3. The contaminants of concern (COC) in the groundwater plumes consist of dissolved phase benzene, toluene, ethylbenzene and xylene (BTEX) and two polycyclic aromatic hydrocarbons (PAH), naphthalene and 2-methylnaphthalene. Groundwater remediation systems installed to treat the groundwater are comprised of oxygen injection systems located in OU-1, OU-2, OU-3, and an ozone injection groundwater treatment system in OU-1.

The groundwater in the vicinity of these systems is monitored for concentrations of the dissolved phase COC, among other parameters. These systems are successfully remediating the groundwater, as described in the Groundwater Quality section below.

The oxygen injection systems inject a 90% oxygen gas into the upper glacial aquifer to increase dissolved oxygen (DO) concentrations in groundwater and enhance biological breakdown of the dissolved phase COC. The systems are routinely maintained and the treated groundwater is monitored for conductivity, DO, heterotrophic plate count (HPC), oxygen reduction potential (ORP), pH, and temperature and are adjusted, as necessary, to optimize system performance.

The ozone injection system was installed to reduce dissolved phase COC concentrations as groundwater exits the perforated section of the subsurface containment barrier wall. The barrier wall is located at the downgradient boundary of OU-1 and extends through the upper glacial aquifer to approximately 70 feet below ground surface (bgs). The 190-foot long perforated section is located parallel to Union Boulevard and extends from a depth of approximately 10 to 40 feet bgs. The ozone injection system injects an air-ozone mixture at a maximum concentration of 3% ozone into the groundwater to destroy COC through in-situ chemical oxidation (ISCO). A soil vapor extraction (SVE) system was designed and installed to capture any potential ozone or volatile organic compounds (VOCs) that might migrate from the groundwater to the vadose zone.

In OU-4, the injection phase of the OU-4 Cesspool Area Surfactant-Enhanced In-Situ Chemical Oxidation (S-ISCO) IRM was completed in Q4 2009. Groundwater samples in OU-4 are analyzed for VOCs and semi-volatile organic compounds (SVOCs) to monitor the performance of the remedial action implemented.

<u>OU-1</u>

Two oxygen injection systems (one along Union Boulevard and one at 66 North Clinton Avenue) and an ozone injection groundwater treatment system (at 61 North Clinton Avenue) are currently in operation within OU-1.

An oxygen injection system was installed along Union Boulevard downgradient of the perforated portion of the subsurface barrier wall at the downgradient edge of OU-1 in February 2008 prior to completion of the full-scale ozone injection groundwater treatment system. This oxygen injection system is currently being used to treat groundwater at the perforated section (approximately 10 to 40 feet bgs) of the subsurface barrier wall. The 66 North Clinton Avenue oxygen injection system was installed and brought online in January 2010 as part of Phase IV of the OU-1 Remedial Action to treat groundwater impacts in the western fringe area outside of the barrier wall. Significant decreases of total BTEX and total PAH concentrations in groundwater continue to be observed downgradient of the OU-1 oxygen injection lines at monitoring wells where effects of the oxygen injection system have been observed.

The ozone injection system was brought online in October of 2009. The ozone injection system was installed to reduce dissolved phase COC as they pass through the perforated section of the subsurface barrier wall installed to control the migration of contamination from OU-1. During the four quarters of operation, significant decreases of total BTEX and total PAH concentrations in groundwater have been observed at monitoring wells in the shallow and intermediate aquifer zones immediately downgradient of the ozone injection system.

In OU-1, the excavation of 3,707 tons of impacted material was completed during April 2010 on the properties located at 60 North Clinton Avenue and 66 North Clinton Avenue. The excavation was conducted to a depth of approximately 10 feet bgs on the eastern portion of the properties, consistent with the New York State Department of Environmental Conservation (NYSDEC)-approved work plan.

OU-2

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 system, comprised of two injection lines located along Montauk Highway and at the intersection of Manatuck Lane and Garner Lane, 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. All three systems were brought online in Q1 2009. The 33 North Clinton Avenue system was extended west on Cooper Lane during Q4 2009. The Cooper Lane extension was brought online in November of 2009. The Plume Tail oxygen injection system was installed at the bulkhead along Lawrence Creek and was brought online in August 2009. Significant decreases of total BTEX and total PAH concentrations in groundwater have been observed in monitoring wells located downgradient of all the oxygen injection systems/lines indicating that the oxygen injection systems have been effective.

OU-3

Three oxygen injection groundwater treatment systems were installed at OU-3 to mitigate dissolved phase groundwater impacts migrating from the OU-3 Brightwaters Yard. One injection line, located on Community Road, is currently operating. The first system was installed at the intersection of Union Boulevard and Lanier Lane as part of an IRM in Q3 2000. This treatment system consisted of one oxygen injection line designed to reduce the concentrations of MGP-related contaminants in groundwater prior to discharge to O-Co-Nee Pond. A second oxygen injection system was installed in the Brightwaters Yard as part of an IRM in Q4 2004. This treatment system consisted of three injection lines intended to reduce the concentrations of total BTEX and total PAH concentrations in groundwater leaving the Site boundary. This system was taken offline on June 1, 2009 in support of the OU-3 LIRR IRM and was subsequently abandoned. The third system was installed in Q2 2010 along Community Road and is an extension of the 66 North Clinton Avenue oxygen injection system in OU-1. This treatment system was designed to treat any residual groundwater impacts from the Brightwaters Yard, north of Community Road. After the Community Road oxygen injection line was installed, the Union Boulevard Line was abandoned in August 2010. Data collected during Q3 2010 from monitoring wells downgradient from the existing Community Road oxygen injection line supports the historic trend of decreases in total BTEX and total PAH groundwater concentrations.

Phase I of the OU-3 LIRR Excavation/Temporary Track Relocation IRM was initiated in Q3 2009 and completed in Q1 2010. Phase II excavation activities were completed in Q2 2010, and Phase III excavation activities on the Brightwaters Yard were completed in Q3 2010. A total of approximately 14,726 tons of source material were excavated in Phase I through Phase III of the project.

OU-4

S-ISCO injection was initiated in the OU-4 Cesspool Area on April 30, 2009 in accordance with the NYSDEC-approved work plan. The injection phase of the OU-4 Cesspool Area S-ISCO IRM was completed on December 3, 2009. Post S-ISCO injection groundwater monitoring for COC and S-ISCO performance monitoring parameters is currently being performed in accordance with the S-ISCO IRM Work Plan. The groundwater monitoring results are summarized in the Groundwater Quality section below.

Groundwater Flow

Groundwater level monitoring is conducted at the Site and offsite in the vicinity of the individual OUs to aid in monitoring the groundwater plumes, the effectiveness of remedial activities and to assist in remedy planning.

The depth to groundwater at the Site is shallow, generally between approximately 2 and 12 feet bgs. The groundwater flow direction throughout the Site is generally towards the south/southeast, with the exception of areas in OU-4, in the vicinity of Watchogue Creek (a.k.a., Crum's Brook), where the groundwater flow direction is more southeasterly.

Groundwater Quality

Groundwater quality was evaluated by comparing the Q3 2010 total BTEX and total PAH plume to the baseline Q1 2009 plumes for each of the three groundwater horizons; shallow (water table zone to approximately 10 feet bgs), intermediate (approximately 10 to 50 feet bgs), and deep (below approximately 50 feet bgs). In addition, for OU-1 and OU-2, the current (Q3 2010) composite plume was also compared to the historical 2004 remedial investigation (RI) plume outline. The Q1 2009 plume maps represent the first full round of groundwater results of the current monitoring well network installed as part of the OU-2 Remedial Design. The Q1 2009 data represent the groundwater conditions prior to the start of the groundwater treatment systems in the mid-plume area, and can be regarded as baseline conditions. The composite plume outline denotes the horizontal extent of groundwater concentrations above 100 micrograms per liter (ug/L) total BTEX and/or 100 ug/L total PAH for all three groundwater horizons. In addition, a graphical trend analysis evaluation and a statistical evaluation for each of the OUs were performed.

In general, the OU-1/OU-2 and OU-3 plumes of MGP-related COC have been significantly reduced in size and concentration since the implementation of remedial activities conducted in OU-1, OU-2, and OU-3. These reductions have been occurring since the installation of the OU-1 subsurface barrier wall, source area excavations, and the operation of the ozone and oxygen injection treatment systems.

OU-1/OU-2

The Q3 2010 composite plume outline encompasses a much smaller area than the 2004 RI plume. Major differences between the plume depictions include: a reduction in distance to the downgradient edge of the plume to where it does not extend to the tidal water body of Lawrence Creek, but terminates at Manatuck Lane, approximately 200 feet upgradient of the creek, and fragmentation of the current plume in the mid-plume area.

In the shallow groundwater zone, the Q3 2010 total BTEX and total PAH plumes have been reduced in extent, both in length and width, from the Q1 2009 plumes. The downgradient total BTEX and the total PAH plume lengths have been reduced approximately 850 feet from near 9 North Clinton Avenue to near 50 North Clinton Avenue.

In the intermediate groundwater zone, the total BTEX and total PAH plumes have been significantly fragmented decreasing greatly in extent, as well as COC concentrations. The reduction in size of the total BTEX plume is greater than 70%, and the maximum concentrations have decreased from greater than 10,000 ug/L to a maximum of less than 4,000 ug/L. Furthermore, concentrations exceeding 1,000 ug/L were limited to two monitoring wells in OU-1, and only in one well in OU-2. The reduction in size of the total PAH plume is similar to that of the BTEX plume. PAH concentrations in the mid-plume area have been greatly reduced. A large section of the mid-plume was characterized by concentrations exceeding 1,000 ug/L in Q1 2009; however, the concentrations exceeding 1,000 ug/L in this area were limited to four wells in Q3 2010.

In the deep groundwater zone, the total BTEX and total PAH plumes have been fragmented between Q1 2009 and Q3 2010 in the mid-plume area. Total PAH plume concentrations have also decreased in the mid-plume area.

The statistical and graphical analyses performed are consistent with and support the observed decreasing trends in total BTEX and total PAH in OU-1/OU-2.

OU-3

The Q3 2010 composite plume outline encompasses a much smaller area than the 2004 RI plume. One key difference is that the extent of the main plume has been reduced to where it is concentrated in the area between the LIRR tracks and approximately 175 feet downgradient of Union Boulevard, with one localized area of impacted groundwater approximately 600 feet downgradient of Union Boulevard. The total BTEX plume exists primarily in the shallow groundwater with a slight reduction in the plume extent between Q1 2009 and Q3 2010. No BTEX concentrations above 100 ug/L were detected in the intermediate zone in Q1 2009, while in Q3 2010, BTEX concentrations above 100 ug/L in the intermediate zone were detected in two localized downgradient areas. These areas are defined by detections of total BTEX above 100 ug/L in three intermediate wells. The highest total BTEX concentration was detected in one well, upgradient of the Community Road oxygen injection system, and was within the historical concentration range for this well. One of the remaining wells located within the other section of the current intermediate plume was installed subsequent to the Q1 2009 sampling event and was first sampled in Q3 2009.

The shallow total PAH plume has increased in size and concentration in the vicinity of the LIRR tracks and extended slightly beyond Union Boulevard in Q3 2010. It is expected that the removal of source material from the area of the LIRR tracks and the Brightwaters Yard will result in decreasing constituent trends in groundwater. These effects will take time to become apparent in downgradient wells. This is partly a function of groundwater flow travel times. Additionally, an investigation is being conducted in Q4 2010 on a property

immediately south of the LIRR tracks and the IRM excavation areas to assess the potential for the presence of residual shallow impacted soil which may be impacting groundwater quality.

OU-4

The injection phase of the OU-4 Cesspool Area S-ISCO IRM was initiated in Q2 2009 and was completed in Q4 2009. Therefore, a comparison between the Q1 2009 and Q3 2010 data provides a useful evaluation of the effectiveness of this remedy to date. The Q1 2009 data indicated that groundwater impacts were primarily localized in the OU-4 former cesspool area in the area between Oak Street and the LIRR. In Q1 2009 and Q3 2010, total BTEX concentrations greater than 100 ug/L were not present in any of the three groundwater zones, and total PAH concentrations greater than 100 ug/L were not present in the deep groundwater zone.

In the shallow groundwater zone, the extent of PAH concentrations in exceedance of 100 ug/L in the Cesspool Area between Oak Street and the LIRR has expanded slightly to the north and south from the Q1 2009 to the Q3 2010 sampling round. The highest total PAH concentration detected in shallow groundwater during Q3 2010 in OU-4 was 2,391 ug/L in WCMW-29S.

The total PAH plume from Q1 2009 to Q3 2010 has increased in size and has expanded to south of the LIRR tracks within the intermediate groundwater zone. The maximum concentrations have remained roughly similar between Q1 2009 and Q3 2010 and were slightly above 1,000 ug/L.

Groundwater sampling will continue to be conducted at OU-4 to aid in the evaluation of the effectiveness of S-ISCO treatment.

Soil Vapor

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.

OU-1

Soil vapor concentrations in OU-1 have varied greatly between Q1 2008 and Q3 2010 at all locations monitored. The variations in concentrations have occurred both before the OU-1 oxygen injection lines were installed and after the lines were in operation, as well as in areas downgradient and upgradient of the OU-1 oxygen injection lines. VOCs detected in ambient

air were at low concentrations in more than 30% of the locations sampled, including upgradient locations.

OU-2/OU-3

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

Soil vapor concentrations have varied significantly between 2005 and Q3 2010 at OU-2 and OU-3 locations. 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 groundwater plume.

During Q3 2010, the concentrations detected at each soil vapor point were generally consistent with previous sampling events.

Ambient air concentrations in OU-2 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 VOCs.

OU-4

Soil vapor concentrations in OU-4 have varied greatly between Q1 2009 and Q3 2010 at all locations monitored. The sampling of the OU-4 soil vapor points began in Q1 2009, shortly before the S-ISCO injection began on April 30, 2009. Fluctuations in concentrations have occurred at all soil vapor points located downgradient of the injection areas. During Q3 2010, concentrations were generally within the range of past values.

1. Introduction

This report presents the third quarter 2010 (Q3 2010) 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; the Order on Consent, Index No. D1-0001-98-11 signed by KeySpan Corporation (currently known as National Grid) and the New York State Department of Environmental Conservation (NYSDEC), and the Operable Unit (OU) 2 Remedial Decision Document.

In 2003, the Site was divided into four operable units (OUs) to more effectively manage investigation and remediation activities (**Figure 1**). The main portion of OU-1 is bound to the north by Ackerson Street, to the east by Fifth Avenue, to the south by the Long Island Rail Road (LIRR), and to the west by North Clinton Avenue. OU-1 also includes the adjacent South Parcel located along the east side of North Clinton Avenue, south of the LIRR and north of Union Boulevard, as well as the West Parcel located along the west side of North Clinton Avenue, north of the LIRR and east of the National Grid Brightwaters Yard. In addition, in February 2009, the NYSDEC approved reconfiguration of the boundaries of OU-1 to include the portions of National Grid-owned properties along the west side of North Clinton Avenue, south of the LIRR and north of Union Boulevard (the former King Bear/Summers Lumber Properties) once designated as part of OU-2. OU-2 includes the offsite groundwater plume extending south of OU-1. OU-3 includes the Brightwaters Yard located to the west of OU-1, and the associated downgradient groundwater plume. OU-4 is located to the east of OU-1 and includes the former cesspool and pond areas, and the downgradient Watchogue Creek (a.k.a., Crum's Brook).

The OM&M results of all four OUs have been combined in this report in order to present an overall picture of groundwater quality trends. This includes discussion of the effectiveness of the dense non-aqueous phase liquid (DNAPL) recovery, groundwater treatment systems, and other remedial activities which effect groundwater quality in the upper glacial aquifer. The locations of the DNAPL recovery and groundwater treatment systems are presented in **Figure 1**. A summary of other remedial activities is presented in Section 1.1 for each OU.

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 are presented in the following sections of the report:

- Section 2 – Remediation Systems
- Section 3 – Groundwater Flow
- Section 4 – Groundwater Quality
- Section 5 – Soil Vapor and Ambient Air Sampling

Remedial activities conducted during Q3 2010 included operation of the ozone injection system in OU-1, completion of Phase IV of the OU-1 Remedy which included the startup of one additional oxygen injection line and an excavation within the 66 North Clinton Avenue property, the installation of an oxygen injection treatment line within OU-3, initiation and completion of Phase III of the OU-3 LIRR Excavation IRM in the Brightwaters Yard. The monitoring of these remedial measures continued through Q3 2010. Information pertaining to the operation and monitoring data from the oxygen injection and ozone injection systems, and groundwater monitoring data for each OU are included in this report.

Starting with the Q1 2009 Quarterly OM&M Report, the graphical depiction and discussion of much of the data associated with the Site OUs have been modified from previous reports with the intent of facilitating the interpretation and understanding of the data. These modified data and graphic presentations involved input, in part, from NYSDEC, and Bay Shore and Brightwaters community members. 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 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).

A Final Remedial Action Plan (RAP) for OU-1 was approved by the NYSDEC on August 9, 2004. The remedy currently being implemented at OU-1 is detailed in a document titled "Final Remedial Action Plan, Bay Shore Former MGP Site – Operable Unit-1, Bay Shore, New York" (Final RAP) prepared by GEI Consultants, Inc. (GEI) and dated August 2004. In addition to the remedial activities specified in the Final RAP, several IRMs have been conducted since 1999 in OU-1, OU-2, OU-3, and OU-4. A brief description of each of the remedial activities conducted in each OU is presented below. These activities are noted by operable unit in the site historical sitewide progress map depicted in **Figure 2**.

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: A DNAPL recovery system was installed in the offsite area south of the LIRR and was implemented as a portion of the Phase I Remedial Activities performed for implementation of the Final RAP (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. The southern cell excavation was included in Phase I of the OU-1 remedy performed in accordance with the Final RAP. The results are provided in the "Phase I and Phase II Remedial Activities, OU-1 Bay Shore Former MGP Site, Final Completion Report" prepared by Paulus, Sokolowski and Sartor Engineering, P.C. (PS&S) and dated October 2009 (Final Completion Report, PS&S October 2009).
- Subsurface Barrier Wall Installation (April 2007 through May 2008): The installation of the subsurface barrier wall commenced in April 2007 and was completed in May 2008. The barrier was installed as part of Phase I of the OU-1 remedy performed in accordance with the Final RAP. The final construction details are presented in the Final Completion Report (PS&S, 2009).
- 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 startup of the full-scale groundwater treatment system was completed. The system injects oxygen into the upper glacial aquifer to increase aerobic biological activity and reduce the concentrations of MGP-related contaminants in groundwater.
- OU-1 Excavation North of the LIRR (completed August 2008): The removal of contaminant source materials from designated shallow and deeper "Hot Spot" excavation areas located on the OU-1 Site to the north of the LIRR right-of-way (ROW). Within the shallow excavation areas, the excavation of contaminant source materials extended to a depth corresponding with the underlying water table (i.e., approximately 8 feet bgs). Within the hot spot excavation areas, the excavation of contaminant source materials extended to a maximum depth of 25 feet bgs. The

excavation north of the LIRR in OU-1 was performed as Phase II of the OU-1 remedy in accordance with the Final RAP. The final construction details are provided in the Final Completion Report (PS&S, 2009).

- Groundwater Treatment System: Construction of the groundwater treatment building that houses the ozone injection system equipment was substantially completed in August 2009. Construction of the groundwater treatment system including the ozone injection wells, soil vapor extraction laterals, and ozone generation equipment was completed and brought online in October 2009. The installation of the ozone injection groundwater treatment system was performed as Phase IA of the OU-1 remedy in accordance with the Final RAP.
- 66 North Clinton Avenue Excavation: Shallow MGP-impacted soils located outside of the subsurface barrier wall in the western fringe area were removed to the approximately 10 feet bgs as part of Phase IV of the OU-1 remedy in accordance with the Final RAP
- 66 North Clinton Avenue Oxygen Injection System: An oxygen injection system was installed and brought online in January 2010 as part of Phase IV of the OU-1 remedy to treat groundwater impacts along the western fringe area outside of the barrier wall.

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 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 (NYSDEC, 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 online in August 2009.

- Cooper Lane Oxygen Injection Line: An additional groundwater treatment line, an extension of the 33 North Clinton Avenue Oxygen Injection System, was installed along Cooper Lane and began operation in Q4 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**) (PS&S, 2004).
- Groundwater Treatment 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. This system was abandoned in July 2010. The system was removed to limit the amount of remedial equipment within the community. The Community Road oxygen injection line was installed to replace this system.
- Groundwater Treatment 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 Brightwaters Yard oxygen injection system was abandoned in the summer 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: Phase I excavation activities were completed in Q1 2010. Excavation activities for Phase II were completed in Q2 2010. Phase III excavation activities on the Brightwaters Yard were completed in Q3 2010. Site restoration activities will continue into fall 2010.

- Community Road Oxygen Injection Line: An additional treatment line, the Community Road injection line, was installed south of the railroad tracks in Q1 2010 and brought online on April 6, 2010. This treatment line is located between the former Union Boulevard injection line and the location of the former Brightwaters Yard oxygen injection system. The treatment line is supplied by the 66 North Clinton Avenue oxygen injection system located in OU-1.

OU-4 consists of a former cesspool area, former pond area, and the headwaters of Watchogue Creek/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 offsite as part of an IRM performed in Q4 2005 (**Figure 1**) (GEI, 2004a).
- Surfactant Enhanced In-Situ Chemical Oxidation (S-ISCO) was implemented from April 30 2009 through December 3, 2009 in accordance with the NYSDEC-approved OU-4 Cesspool Area S-ISCO Work Plan (VeruTEK, 2008) and associated addendums. Post S-ISCO groundwater sampling has been performed in Q1 2010, Q2 2010 and Q3 2010. Post S-ISCO soil sampling was conducted in Q2 2010. The post S-ISCO soil and groundwater data was presented to the NYSDEC in the *Draft Cesspool Area S-ISCO IRM Post S-ISCO Soil and Groundwater Data Deliverable* prepared by GEI dated June 30, 2010 (GEI 2010). Post S-ISCO groundwater monitoring will continue through Q4 2010.
- Surface and shallow subsurface soil is proposed to be removed from the Cesspool Area, Upgradient Cesspool Area and Former Pond Area and treated offsite in accordance with the *DRAFT OU-4 Cesspool Area and Pond Area Excavation IRM Work Plan*, prepared by GEI dated December 21, 2010. This work is currently anticipated to be initiated in early 2011.

2. Remediation Systems

This section of the report provides a summary of the remedial systems currently being implemented, maintained and/or monitored at each of the operable units.

2.1 OU-1 DNAPL Recovery System and NAPL Monitoring

2.1.1 Program Scope and Purpose

A dense non-aqueous phase liquid (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 operated approximately once every three weeks. Historically, the recovery system was operated once every two weeks. The DNAPL system operation schedule was revised in March 2008 due to decreasing DNAPL recovery observed in the well. Allowing more time in-between recovery operations enables the DNAPL to settle into a discrete layer which allows for more efficient recovery. DNAPL recovery operations were temporarily suspended during Q4 2009 because of access restrictions associated with the construction of the groundwater treatment building and the pump enclosure.

The presence and thickness of light non-aqueous phase liquids (LNAPL) and/or DNAPL is gauged in wells BBRW-02, BBRW-05, BBMW-05D, BBMW-22D, BBRW-01R, and BBRW-06 on a quarterly basis. Non-aqueous phase liquid (NAPL) gauging was decreased from weekly to quarterly in Q3 2010 with the approval of the New York State Department of Environmental Conservation (NYSDEC) due to the consistency of DNAPL and LNAPL thickness gauged. BBMW-20D was damaged in Q1 2008 during construction activities on Operable Unit 1 (OU-1) and has not been gauged since. BBRW-01 was abandoned in support of the OU-1 Southern Cell Excavation in Q1 2007. BBRW-03 and BBRW-04 were abandoned on April 1, 2009 to facilitate construction of the ozone injection system in OU-1 South. As of November 6, 2009, wells BBRW-01R and BBRW-06 were included in gauging operations. These wells are located in OU-1 south of the Long Island Rail Road (LIRR) (**Figure 1**).

2.1.2 Current Site Activity

The following DNAPL recovery and NAPL monitoring events occurred during Q3 2010:

- **DNAPL Recovery:** The DNAPL recovery system in BBRW-02 was operated on the following dates:

- July 12, 2010 – DNAPL Recovery, Scheduled Operation 74
- August 3, 2010 – DNAPL Not Recovered, Scheduled Operation 75
- August 27, 2010 – DNAPL Recovery, Scheduled Operation 76
- September 14, 2010 – DNAPL Recovery, Scheduled Operation 77

- **NAPL Gauging:** Wells BBRW-02, BBRW-05, BBMW-05D, BBMW-22D, BBRW-01R, and BBRW-06 were gauged for the presence of LNAPL and DNAPL on the following dates:

  - July 1, 2010
  - July 9, 2010
  - July 16, 2010

2.1.3 OU-1 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 18 gallons of DNAPL were recovered during Q3 2010. Approximately 357 gallons of DNAPL have been recovered since the beginning of DNAPL recovery operations.
- **Table 2-2 Summary of Measured NAPL Thickness** – provides NAPL thickness in existing NAPL gauging wells BBMW-05D, BBMW-20D, BBMW-22D, BBRW-01R and BBRW-06. Measured DNAPL thickness has remained consistent since the installation of the subsurface barrier wall.
- **Figure 3 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 operations were suspended in Q4 2009 due to construction of the groundwater treatment building and the pump enclosure. 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 operational schedule 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 onsite does not exceed 90 days from the start of accumulation in a drum.
- The frequency of NAPL gauging at BBRW-02, BBRW-05, BBMW-05D, BBMW-22D, BBRW-01R, and BBRW-06 will remain on a quarterly schedule, as approved by the NYSDEC. Quarterly gauging is adequate due to the consistent NAPL thickness observed since the installation of the subsurface barrier wall. Changes to the NAPL gauging schedule will be evaluated as needed.

2.2 OU-1 Ozone Groundwater Treatment System

2.2.1 Program Scope and Purpose

A groundwater treatment system was installed at the downgradient edge of OU-1 at 61 North Clinton Avenue. The treatment system consists of an ozone injection system and soil vapor extraction (SVE) system. The ozone injection system was installed to reduce dissolved phase contaminants of concern (COC) concentrations as they exit the perforated section of the subsurface containment barrier wall. The barrier wall is located at the downgradient boundary of OU-1 and extends through the Upper Glacial Aquifer to approximately 70 feet below ground surface (bgs). The 190-foot long perforated section is located parallel to Union Boulevard and extends from a depth of approximately 10 to 40 feet bgs. The ozone injection system injects an air-ozone mixture at a maximum concentration of 3% ozone into the groundwater to destroy COCs through in-situ chemical oxidation. The SVE system is designed to capture any potential ozone or volatile organic compounds (VOCs) that might migrate from the groundwater to the vadose zone.

The groundwater treatment building houses the equipment used to generate the ozone gas from fresh air as well as the SVE equipment, carbon vessels, and ozone destruction unit. The treatment zone, located south of the groundwater treatment building, consists of 63 ozone injection wells and 11 horizontal SVE laterals.

The treatment system began operation in October 2009. During Q3 2010, the ozone/air mixture injected was approximately 1.7% ozone and 98.3% air.

2.2.2 Current Site Activity

The following OU-1 groundwater treatment system monitoring and system operation activities were performed during Q3 2010:

- **Ozone System Monitoring:** The ozone injection system was monitored on a regular basis to ensure proper operation. The monitoring events consisted of mechanical equipment inspection, recording of operational parameters including operational pressures and flow rates, leak inspection and recording ozone concentrations. The monitoring events are conducted weekly.
- **SVE System Monitoring:** The SVE system was monitored on a regular basis to ensure proper operation. These monitoring events consisted of mechanical equipment inspection, recording of operational parameters, and a field screening of the SVE exhaust for VOCs with a photo-ionization detector (PID) and for ozone with a hand held monitor. The monitoring events are currently conducted weekly.
- **Weight of Ozone Injected:** The ozone injection system distributed between 13 and 15 pounds of ozone each day during Q3 2010.
- **SVE Emission Analytical Sampling:** Analytical samples were collected from the SVE treatment train to monitor air emissions and carbon usage during ozone system startup. Samples were collected at three locations; before the activated carbon treatment (OZ-PRE GAC), between the two carbon vessels (OZ-MGAC), and at the effluent stack (OZ-STACK). The analytical results are provided in **Table 1A** of **Appendix A**. Breakthrough at the first carbon vessel has not been observed. Treated vapors are sampled on a monthly basis between the two GAC vessels to determine carbon breakthrough of the first GAC vessel. In addition, ambient air was monitored at four locations along the site perimeter (OZAA-06, OZAA-07, OZAA-08, and OZAA-009) and one location upgradient of the building (OZAA-10). The results of the ambient air sampling are provided in Section 5.
- **Performance Monitoring of Groundwater:** Downgradient monitoring well clusters OZMW-23 and OZMW-24 were sampled monthly. Significant decreases of total benzene, ethylbenzene, toluene and xylene (BTEX) and total polycyclic aromatic hydrocarbons (PAHs) have been observed at the shallow and intermediate levels of OZMW-23 and OZMW-24. Trends of total BTEX and total PAH concentrations are shown in **Figure 4**.
- **Performance Monitoring of Soil Vapor:** Downgradient soil vapor points SV-01, SV-02, and SV-03 were sampled monthly according to the system startup sampling schedule. The results of this soil vapor sampling are provided in Section 5.

2.2.3 Future Plans

- Continue routine inspections.
- Continue sampling of groundwater, soil vapor and the SVE effluent.
- Develop a long term sampling plan for groundwater, soil vapor and SVE effluent.
- Develop an OM&M maintenance schedule for equipment.
- Conduct labor intensive maintenance on the system.

2.3 OU-1 Oxygen Injection Systems

2.3.1 Program Scope and Purpose

Two oxygen injection systems are currently in operation within OU-1. The OU-1 South oxygen injection system was brought online in February 2008. This system feeds the OU-1 South oxygen injection line that is installed along Union Boulevard, downgradient of the perforated portion of the subsurface barrier wall at the southern edge of OU-1, and is currently being used to treat groundwater at the perforated portion of the subsurface barrier wall. The system was initially installed to provide treatment during the construction and startup of the ozone injection system. NYSDEC has requested that the oxygen injection system remain online following the installation of the ozone injection system. The 66 North Clinton Avenue oxygen injection system was installed and brought online in January 2010 as part of the Phase 4 Remedial Action to treat groundwater impacts along the western fringe area outside of the barrier wall. The system trailer is located on the 66 North Clinton Avenue property currently owned by National Grid. This treatment system supplies oxygen to two treatment lines, the 66 North Clinton Avenue oxygen injection line and the OU-3 Community Road oxygen injection line. The OU-3 Community Road oxygen injection line was brought online in April 2010. The locations of the oxygen injection systems are depicted in **Figure 1**.

2.3.2 Current Site Activity

The following OU-1 oxygen injection system monitoring and system operation activities were performed in Q3 2010:

- **Quarterly Groundwater Sampling:** Select monitoring wells upgradient and downgradient of the oxygen injection system located in OU-1 are sampled quarterly for VOCs and semivolatile organic compounds (SVOCs). Groundwater quality parameters (dissolved oxygen [DO], pH, temperature, conductivity and oxidation reduction potential [ORP]) are also recorded for each well during the quarterly sampling. Details on the groundwater sampling program are provided in Section 4.
- **Monthly Groundwater Parameter Monitoring:** Select monitoring wells downgradient of the oxygen injection lines are monitored for DO, ORP, pH, conductivity, and temperature. The results of the groundwater parameter monitoring are presented in **Table 2-3** and discussed below.

2.3.3 Oxygen Injection System OM&M Data

The OM&M data collected for the OU-1 oxygen injection systems are provided in the following table, figure and appendices:

- **Table 2-3 Summary of Groundwater Parameter Data – OU-1 Oxygen Injection Systems** – provides the conductivity, DO, ORP, pH and temperature data for well clusters located downgradient of the OU-1 South (OZMW-16, OZMW-17, OZMW-18) and the 66 North Clinton Avenue (OU2MW-48, OU2MW-49, OU2MW-54) oxygen injection systems. The data are presented for each system below.

  OU-1 South Oxygen Injection System

  - DO concentrations ranged between 0.0 and 30.0 milligrams per liter (mg/L) in all downgradient monitoring wells. Historically, elevated DO concentrations have been observed within the shallow and intermediate zones downgradient of the system, coinciding with the shallow (25 feet bgs) and intermediate (40 feet bgs) injection depths. DO concentrations have remained consistent in downgradient monitoring well clusters between Q1 2009 and Q3 2010. DO remained elevated within the intermediate zones at OZMW-18 during Q3 2010. Elevated concentrations were first noticed within the intermediate screen intervals during Q1 2010. This could be due to the influence of the 66 North Clinton Avenue oxygen injection system.
  - ORP values were positive in several downgradient monitoring wells and ranged from -69 to 183 millivolts (mV).
  - pH varied between 5.02 and 7.69 Standard Units (SU) in downgradient monitoring wells.
  - Conductivity in downgradient monitoring wells ranged between 0.197 and 1.050 millisiemens per centimeter (mS/cm).
  - Temperature ranged from 16.6 to 21.2 degrees Celsius (C) in downgradient monitoring wells, which is typical for Q3 conditions.

  66 North Clinton Avenue Oxygen Injection System

  - DO concentrations ranged from 0.0 to 39.0 mg/L in all downgradient monitoring wells. Elevated DO concentrations have been observed at monitoring wells OU2MW-48S, OU2MW-49S, and OU2MW-49I.
  - ORP values ranged from -94 to 288 mV in all downgradient monitoring wells. ORP values have increased since system startup within the shallow and intermediate intervals of monitoring well clusters OU2MW-48 and OU2MW-49.
  - pH varied between 5.36 and 6.31 SU in downgradient monitoring wells.
  - Conductivity in downgradient monitoring wells ranged from 0.075 to 0.536 mS/cm.
  - Temperature ranged from 15.9 to 23.1 degrees C in downgradient monitoring wells, which is typical for Q3 conditions.

- **Figure 4 OU-1 Union Boulevard 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 ozone injection system and the OU-1 oxygen injection line. **Figure 4** provides data for the monitoring well clusters OZMW-16, OZMW-17, OZMW-18, OZMW-23, OZMW-24, BBMW-01, and BBWM-23. Significant decreases of MGP-related contaminants have been observed downgradient of the OU-1 ozone injection system (OZMW-23S, I, I2 and OZMW-24S, I) and the OU-1 oxygen injection line (OZMW-16S, OZMW-16I, OZMW-17S, OZMW-17I, OZMW-18S, OZMW-18I, OZMW-18I2, and BBMW-01S). Further groundwater trend analysis is discussed in Section 4.
- **Appendix B OU-1 Oxygen Injection System OM&M Data** – provides data collected during system operation monitoring. **Table B-1** provides the OU-1 South Union Boulevard oxygen injection system and **Table B-2** provides the 66 North Clinton Avenue oxygen injection system operational data.

  The results provided in **Table B-1** for the OU-1 South Union Boulevard oxygen injection system indicate:

  - Approximately 11,314 pounds of oxygen have been injected during Q3 2010 and a total of 119,043 pounds of oxygen have been injected since the initial startup period.
  - The OU-1 south oxygen injection system operated for all 92 days during Q3 2010.

  The results provided in **Table B-2** for the 66 North Clinton Avenue oxygen injection system indicate:

  - Approximately 5,955 pounds of oxygen have been injected during Q3 2010 and a total of 15,024 pounds of oxygen have been injected since the initial startup period.
  - The 66 North Clinton Avenue oxygen injection system operated for all 92 days during Q3 2010.

2.3.4 Future Plans

- Continue monthly system inspections, groundwater monitoring, and quarterly sampling COC.
- Continue to conduct weekly system inspections.
- Conduct routine maintenance on the system.
- Finalize the plans to extend the OU-1 South Union Boulevard system further to the east.

2.4 OU-2 Oxygen Injection Systems

2.4.1 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 system, comprised of two injection lines located along Montauk Highway and at the intersection of Manatuck Lane and Garner Lane, was installed in November 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. All three systems were brought online in Q1 2009. The 33 North Clinton Avenue system was extended west on Cooper Lane during Q4 2009. The Cooper Lane extension was brought online in November 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. The locations of the oxygen injection systems are depicted in **Figure 1**.

The oxygen injection systems within OU-2 were brought online on the following dates:

- Garner Lane Oxygen Injection System (feeds the Montauk Highway and the Manatuck Lane Oxygen Injection Lines) – November 2005
- 34 North Clinton Avenue Oxygen Injection System – January 20, 2009
- 9 North Clinton Avenue Oxygen Injection System – February 16, 2009
- 33 North Clinton Avenue Oxygen Injection System – March 31, 2009
- Plume Tail Oxygen Injection System – August 17, 2009
- Cooper Lane Oxygen Injection System Extension – November 16, 2009

2.4.2 Current Site Activity

The following OU-2 oxygen injection system monitoring and system operation activities were performed in Q3 2010.

- **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 below.
- **Monthly Groundwater Parameter Monitoring:** On a monthly basis, monitoring wells located downgradient of each oxygen injection system with the exception of the

Plume Tail system are monitored for DO, ORP, pH, conductivity, and temperature. The monitoring wells that are monitored monthly for each system are listed below.

- Montauk Highway and Manatuck Lane oxygen injection lines – OU2MW-06, OU2MW-06S, OU2MW-07, OU2MW-07S, BBMW-25S, BBMW-25I, BBMW-25D, OU2MW-01WT, OU2MW-01S, OU2MW-01I, OU2MW-01I2, OU2MW-01D
- 33 North Clinton Avenue – OU2MW-39S, OU2MW-39I, OU2MW-39I2, OU2MW-39D
- Cooper Lane Extension – OU2MW-20S, OU2MW-20I, OU2MW-20I2, OU2MW-20D
- 34 North Clinton Avenue – OU2MW-47S, OU2MW-47I, OU2MW-47I2, OU2MW-47D
- 9 North Clinton Avenue – OU2MW-30S, OU2MW-30I, OU2MW-30I2, OU2MW-30I3, OU2MW-30D, OU2MW-30D2, OU2MW-31I, OU2MW-31I2

- **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.

2.4.3 Oxygen Injection System OM&M Data

The OM&M data collected for the OU-2 oxygen injection systems are provided in the following table, figures and appendices:

- **Table 2-4 Summary of Groundwater Parameter Data – OU2 Oxygen Injection Systems** – provides the historical conductivity, DO, ORP, pH and temperature data for monitoring well clusters immediately upgradient and downgradient of the oxygen injection systems within OU-2. A summary for each system or injection line is provided below.

  Montauk Highway Oxygen Injection Line – Downgradient monitoring well clusters include OU2MW-01, OU2MW-02, OU2MW-03, OU2MW-04, and BBMW-25. The data presented in this table indicate that for Q3 2010:

  - DO concentrations ranged between 0.0 and 26.0 mg/L within all downgradient monitoring well locations. DO concentrations are highest in the vicinity of OU2MW-01 and BBMW-25. DO concentrations were measured at an elevated concentration above 10 mg/L in downgradient monitoring wells during at least one sampling event with the exception of OU2MW-01D, OU2MW-02I, OU2MW-

02I2, OU2MW-02D and monitoring well clusters OU2MW-03, and OU2MW-04. Groundwater treated by the 9 North Clinton Avenue system has likely reached the OU2MW-08 well cluster as indicated by the elevated DO concentrations observed at OU2MW-08WT and OU2MW-08I.

- ORP remained elevated in select downgradient monitoring wells and ranged from -104 to 267 mV.
- pH varied between 5.17 and 6.42 SU in downgradient monitoring wells.
- Conductivity in downgradient monitoring wells ranged from 0.037 to 0.990 mS/cm.
- Temperature ranged from 15.0 to 28.2 degrees C in downgradient monitoring wells, mostly consistent for Q3 conditions.

Manatuck Lane Oxygen Injection Line – Downgradient monitoring well clusters include GMP-02, GMP-04, OU2MW-06, OU2MW-07, OU2MW-52, and OU2MW-53. The data presented in **Table 2-4** indicate that for Q3 2010:

- DO concentrations were elevated in downgradient monitoring wells. DO concentrations ranged between 0.0 and 28.0 mg/L. DO concentrations were seen above 10 mg/L during at least one sampling event within all downgradient wells with the exception of OU2MW-52S (2.9 mg/L), OU2MW-53S (3.2 mg/L), and OU2MW-53D (0.0 mg/L).
- ORP generally remained positive in a number of downgradient monitoring wells and ranged from -34 to 249 mV.
- pH varied between 4.75 and 6.15 SU in downgradient monitoring wells and was observed below 5 SU at OU2MW-52S (4.75 SU).
- Conductivity in downgradient monitoring wells varied between 0.066 and 0.470 mS/cm.
- Temperature ranged between 14.0 and 23.6 degrees C; generally typical for Q3 conditions.

34 North Clinton Avenue – Downgradient monitoring well clusters include OU2MW-45, OU2MW-46, and OU2MW-47. The data presented in **Table 2-4** indicates that for Q3 2010:

- DO concentrations remained elevated in downgradient monitoring wells. DO concentrations ranged from 3.4 to 39.0 mg/L.
- ORP generally remained positive in a number of downgradient monitoring wells and ranged from -15 to 294 mV.
- pH remained consistent. pH varied between 4.89 and 6.76 SU in downgradient monitoring wells. pH values were observed below 5 SU at OU2MW-45D (4.89 SU).

- Conductivity in downgradient monitoring wells remained consistent. Conductivity ranged between 0.089 and 0.920 mS/cm.
- Temperature ranged between 15.0 and 20.7 degrees C, mostly typical for Q3 conditions.

9 North Clinton Avenue – Downgradient monitoring well clusters include OU2MW-28, OU2MW-29, OU2MW-30, and OU2MW-31. OU2MW-32 is located immediately upgradient and is also presented. The data presented in **Table 2-4** indicate that for Q3 2010:

- DO concentrations were elevated in several downgradient monitoring wells. DO concentrations ranged between 0.0 and 42.0 mg/L. DO concentrations were observed above 10 mg/L at all targeted monitoring wells with the exception of the OU2MW-32 cluster which is located just upgradient of the treatment line, OU2MW-28I2 (0.0 mg/L), and OU2MW-29D (0.0 mg/L).
- ORP was elevated in a number of downgradient monitoring wells. ORP ranged between -96 and 275 mV in all associated monitoring well clusters.
- pH varied between 5.36 and 8.08 SU in downgradient monitoring wells. pH values were observed above 7 SU at OU2MW-29D (8.08 SU), OU2MW-32I (8.37 SU), and OU2MW-32I2 (7.78 SU).
- Conductivity values varied across the downgradient monitoring wells. Conductivity ranged between 0.190 and 1.580 mS/cm.
- Temperature ranged between 15.8 and 21.8 degrees C, typical for Q3 conditions.

33 North Clinton Avenue – Downgradient monitoring well clusters include OU2MW-35, OU2MW-36, OU2MW-37, OU2MW-39, and OU2MW-42. The data presented in **Table 2-4** indicate that for Q3 2010:

- DO concentrations were elevated in several downgradient monitoring wells. DO concentrations ranged between 0.0 and 40.0 mg/L. DO concentrations were observed above 10 mg/L at all targeted monitoring wells with the exception of the OU2MW-36I2 (9.7 mg/L), OU2MW-36D (0.0 mg/L), OU2MW-37I2 (0.0 mg/L), OU2MW-37D (0.8 mg/L), OU2MW-39I2 (2.0, 0.9, and 0.0 mg/L), OU2MW-39D (0.0, 0.0, and 0.0 mg/L), and OU2MW-42S (2.2 mg/L).
- ORP was elevated in a number of downgradient monitoring wells. ORP ranged between -2 and 420 mV.
- pH varied between 2.19 and 7.77 SU in downgradient monitoring wells. pH fell below 5 SU during at least one sampling event at OU2MW-39I2 (4.77 and 4.93 SU – July and September), OU2MW-39D (4.99 SU), and OU2MW-42D (2.19 SU). pH was above 7 SU during at least one sampling event at OU2MW-42S (7.60 SU) and OU2MW-42I (7.77 SU).

- Conductivity in downgradient monitoring wells ranged between 0.223 and 1.500 mS/cm.
- Temperature ranged between 14.7 and 21.3 degrees C, typical for Q3 conditions.

Cooper Lane Extension – Downgradient monitoring well clusters include OU2MW-19, OU2MW-20, OU2MW-43, and OU2MW-44. The data presented in **Table 2-4** indicate that for Q3 2010:

- DO concentrations ranged between 0.0 and 30. DO concentrations were observed above 10 mg/L at the following wells OU2MW-19I2, OU2MW-19D, OU2MW-20S, OU2MW-20I, OU2MW-43I, OU2MW-43I2, and OU2MW-43D.
- ORP was elevated in a number of downgradient monitoring wells. ORP ranged between -113 and 226 mV.
- pH varied between 4.84 and 6.14 SU in downgradient monitoring wells. pH fell below 5 SU during the June 2010 sampling event at OU2MW-43I2 (4.98 SU) and OU2MW-43D (4.84 SU).
- Conductivity ranged between 0.123 and 1.700 mS/cm in downgradient monitoring wells.
- Temperature ranged between 15.0 and 20.8 degrees C, typical for Q3 conditions.

- **Table 2-5 OU-2 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 5,000 colony forming units per milliliter (cfu/mL) at all locations.
- **Figure 5 – 33 North 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 5** provides data for monitoring well clusters OU2MW-35, OU2MW-36, OU2MW-37, OU2MW-38, OU2MW-39, and OU2MW-42. Elevated DO concentrations have 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 have been observed in monitoring well clusters OU2MW-35, OU2MW-36, OU2MW-38, and OU2MW-39. Monitoring well cluster OU2MW-42 was installed after the system startup, therefore a true baseline value was not established at this well cluster. Further groundwater trend analysis is discussed in Section 4.
- **Figure 6 – Cooper Lane 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 Cooper Lane oxygen injection line extension. **Figure 6** provides data for the monitoring well clusters OU2MW-19, OU2MW-20, OU2MW-43, and OU2MW-44. DO concentrations have increased or remained

elevated within select screen zones in downgradient monitoring well clusters OU2MW-19, OU2MW-20, and OU2MW-43. Monitoring well cluster OU2MW-44 is located just west of the injection line and DO concentrations have not been consistent. 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-43S, OU2MW-43I, OU2MW-43I2, OU2MW-43D, OU2MW-19I, OU2MW-19I2, OU2MW-19D, and OU2MW-20I). Further groundwater trend analysis is discussed in Section 4.

- **Figure 7 – 34 North 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 7** provides data for the monitoring well clusters BBMW-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-46S, OU2MW-46I, OU2MW-46I2, OU2MW-47S, OU2MW-47I, OU2MW-47I2, and OU2MW-47D). Further groundwater trend analysis is discussed in Section 4.
- **Figure 8 – 9 North 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 8** 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. DO concentrations remained elevated at downgradient monitoring wells during Q3 2010 with the exception of the OU2MW-28I2, OU2MW-29I2, OU2MW-29D, and monitoring well cluster OU2MW-32. OU2MW-32 is located directly upgradient of the oxygen injection line. Historically, DO concentrations have been inconsistent at OU2MW-32. Decreases in MGP-related contaminants have been observed in downgradient monitoring wells OU2MW-28I, OU2MW-29I, OU2MW-29I2, OU2MW-30I, OU2MW-30I2, OU2MW-30I3, OU2MW-30D, OU2MW-31I, OU2MW-32I2, OU2MW-40 I, and OU2MW-41I. Further groundwater trend analysis is discussed in Section 4.
- **Figure 9 – 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 9** provides data for the monitoring well clusters BBMW-25, OU2MW-

01, OU2MW-02, OU2MW-03, and OU2MW-04. Elevated DO levels have been observed at downgradient monitoring well clusters BBMW-25 and OU2MW-01. Historically, DO has been recorded at the intermediate zones of OU2MW-03 and OU2MW-04 located approximately 425 feet downgradient of the treatment line. 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-25I, BBMW-25D, OU2MW-01S, OU2MW-01I, OU2MW-01I2, OU2MW-04S, and OU2MW-04I). Further groundwater trend analysis is discussed in Section 4.

- **Figure 10 – 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 10** provides data for monitoring well clusters OU2MW-06, OU2MW-07, OU2MW-10, OU2MW-12, OU2MW-13, GMP-02, and GMP-04. Elevated DO concentrations have been observed in downgradient monitoring well clusters OU2MW-06, OU2MW-07, OU2MW-12, GMP-02, and GMP-04. 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, GMP-02 and GMP-04). Further groundwater trend analysis is discussed in Section 4.
- **Appendix C - OU-2 Oxygen Injection System OM&M Data** – provides data collected during system operation monitoring. **Table C-1** provides the Garner Lane oxygen injection system operational data. **Table C-2** provides the 9 North Clinton Avenue oxygen injection system operational data. **Table C-3** provides the 34 North Clinton Avenue oxygen injection system operational data. **Table C-4** provides the 33 North Clinton Avenue oxygen injection system operational data. **Table C-5** provides the Plume Tail oxygen injection system operational data.

  The results provided in **Table C-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 18,310 pounds of oxygen have been injected during Q3 2010 and a total of 484,640 pounds of oxygen have been injected since the initial startup period.
  - The Garner Lane oxygen injection system operated for all 92 days during Q3 2010.

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

- Approximately 13,462 pounds of oxygen were injected during Q3 2010 and a total of 91,349 pounds of oxygen have been injected since the initial startup period.
- During Q3 2010, the system operated for all 92 days.

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

- Approximately 17,932 pounds of oxygen were injected during Q3 2010 and a total of 145,010 pounds of oxygen have been injected since the initial startup period.
- During Q3 2010, the system operated for all 92 days.

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

- Approximately 24,621 pounds of oxygen were injected during Q3 2010 and a total of 132,005 pounds of oxygen have been injected since the initial startup period.
- During Q3 2010, the system operated for 89 out of 92 possible days. The system was down for three days (July 25, August 16, and August 19) due to a mechanical problem with the oxygen booster pump.

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

- Approximately 14,187 pounds of oxygen were injected during Q3 2010 and a total of 34,707 pounds of oxygen have been injected since the initial startup period.
- During Q3 2010, the system operated for 86 out of 92 possible days. The system was down for three days (August 18 through 20) due to a problem with the oxygen generator. The system was down for an additional three days (September 23 through 25) due to a power failure.

2.4.4 Future Plans

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

2.5 OU-3 Oxygen Injection Systems

2.5.1 Program Scope and Purpose

Originally, two oxygen injection groundwater treatment systems were installed within OU-3 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 interim remedial measure (IRM) at the intersection of Union Boulevard and Lanier Lane. This treatment system consisted 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. These two oxygen injection systems are no longer in operation. 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-02, PDMW-03, MW-02S/SR, MW-02I-R, MW-26D, MW-59, and MW-16S/SR) were abandoned in June 2009. The OU-3 Union Boulevard oxygen injection system was taken offline on July 19, 2010. These systems were replaced by the OU-3 Community Road oxygen injection line. This treatment line was brought online on April 6, 2010 and is located along the northern right-of-way (ROW) of Community Road and Union Boulevard. This treatment line is supplied by the 66 North Clinton Avenue oxygen injection system located within OU-1. The installation of the OU-3 Community Road treatment line in conjunction with the abandonment of the Union Boulevard system helped to limit the remedial equipment located within the surrounding community without a significant disruption of treatment.

2.5.2 Current Site Activity

The following OU-3 oxygen injection system monitoring and system operation activities were performed in Q3 2010.

- **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.
- **Monthly Groundwater Parameter Monitoring:** On a monthly basis, nine groundwater monitoring wells located downgradient of the OU-3 oxygen injection lines (OU3MW-07S, OU3MW-07I, OU3MW-07I2, IO-10, MW-34S, MW-34I, MW-34D, MW-46WR, and MW-70/70S) are monitored for DO, ORP, pH, conductivity, and temperature.
- **System Operation Monitoring:** The OU-3 Union Boulevard system in operation through July 2010. The groundwater treatment system was 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. The Community Road treatment line is supplied by the 66 North Clinton Avenue oxygen injection system that is located in OU-1. System operation monitoring for this system is covered in Section 2.3.

OU-3 Union Boulevard System Abandonment: The abandonment of the Union Boulevard oxygen injection system was completed between July 19 and July 29, 2010. This included: removal of associated above and at grade structures, including the utility pole, utility vault, injection point manholes, and the shed that housed the system trailer; disconnection and removal of the system trailer that housed the oxygen injection system; abandoning fifteen (15) oxygen injection wells (approximately 15 feet in depth with a 2-foot screen interval); and grouting the high-density polyethylene (HDPE) supply lines in-place (the HDPE supply lines were left in-place to minimize the disruption to the community).

2.5.3 Oxygen Injection System OM&M Data

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

- **Table 2-6 Summary of Groundwater Parameter Data – OU-3 Oxygen Injection Systems** – provides the historical conductivity, DO, ORP, pH and temperature data for wells downgradient of the Union Boulevard oxygen injection system (IO-10, MW-11W, MW-30WR, MW-32WR, MW-34, MW-46WR, MW-70/70S), the Community Road treatment line (OU3MW-01, OU3MW-02, OU3MW-07), and additional monitoring wells within OU-3. The data are provided for each system below.

  Union Boulevard Oxygen Injection System

  - DO concentrations declined from historic levels at monitoring wells IO-10, MW-34I, MW-46WR, and MW-70/70S due to the system being abandoned and operational downtime during the months of May and June associated with mechanical problems within the oxygen generator. DO concentrations ranged between 0.0 and 9.0 mg/L at all downgradient monitoring wells.
  - ORP ranged between -147 and 225 mV at downgradient monitoring wells.
  - pH ranged between 5.40 and 6.44 SU in downgradient monitoring wells.
  - Conductivity in downgradient monitoring wells ranged between 0.198 and 0.765 mS/cm.
  - Temperature ranged between 16.4 and 26.2 degrees C. Temperature values were consistent with typical Q3 value

Community Road Oxygen Treatment Line

- DO concentrations ranged between 0.0 and 28.0 mg/L in all downgradient monitoring wells. Elevated DO concentrations were observed at OU3MW-02S, OU3MW-02I, OU3MW-07I, and OU3MW-07I2 in Q3 2010.
- ORP ranged between -121 and 260 mV at downgradient monitoring wells. Increases in ORP have been observed at monitoring well clusters OU3MW-02 and OU3MW-07.
- pH ranged between 5.48 and 6.32 SU in downgradient monitoring wells.
- Conductivity in downgradient monitoring wells remained consistent. Conductivity ranged between 0.141 and 0.527 mS/cm.
- Temperature ranged between 17.4 and 22.0 degrees C. Temperature values were consistent with typical Q3 values.

- **Table 2-7 OU-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 20 and 280 cfu/mL.

- **Figure 11 OU-3 Union Boulevard Oxygen Injection Line Groundwater Data** – provides a graphical depiction of DO measurements, total BTEX and total PAH concentrations over time for wells located downgradient of the Union Boulevard oxygen injection system and the Community Road oxygen injection line. 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 and (OU3MW-07S) in the vicinity of the Community Road treatment line Further groundwater trend analysis is discussed in Section 4.

- **Appendix D OU-3 Oxygen Injection System OM&M Data** – provides data collected during system operation monitoring. **Table D-1** provides the Union Boulevard oxygen injection system operational data.

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

  - Approximately 1,460 pounds of oxygen were injected during Q3 2010.
  - A total of 189,253 pounds of oxygen have been injected since December 2006.
  - The system operated for 19 out of a possible 92 days during Q3 2010. The system was abandoned on July 19, 2010.

2.5.4 Future Plans

- Continue groundwater monitoring and quarterly sampling for COC.

2.6 OU-4 S-ISCO

2.6.1 Program Scope and Purpose

Surfactant Enhanced In-situ Chemical Oxidation (S-ISCO) injection was initiated on April 30, 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. S-ISCO injection was completed on December 3, 2009. Post S-ISCO groundwater sampling has been performed in Q1 2010, Q2 2010 and Q3 2010. Post S-ISCO soil sampling was conducted in Q2 2010. The post S-ISCO soil and groundwater data was presented to the NYSDEC in the Draft Cesspool Area S-ISCO IRM Post S-ISCO Soil and Groundwater Data Deliverable prepared by GEI dated June 30, 2010 (GEI 2010). Post S-ISCO groundwater monitoring will continue through Q4 2010.

2.6.2 Current Site Activity

Post S-ISCO injection groundwater monitoring for COC and S-ISCO performance monitoring parameters was conducted in Q3 2010. A total of 53 monitoring wells within OU-4 were sampled for VOCs and SVOCs between July 6, 2010 and July 9, 2010. The wells located on the 22 Oak Street property (WCMW-11S, I, D, WCMW-24S, I, I2, WCMW-26S, I, I2) were not sampled at this time due to access issues. These wells were sampled in August 2010 and September of 2010 along with 22 additional wells within the S-ISCO treatment area that were sampled in July 2010 sampling event. A new well cluster (WCMW-19S, and WCMW-19I) was installed on the 22 Oak Street property in August 2010. These wells were sampled in September 2010. The groundwater analytical data for OU-4 is presented and discussed in Section 4 – Groundwater Quality, of this report.

2.6.3 Future Plans

- Continue monitoring of groundwater COC to evaluate the effectiveness of the S-ISCO IRM.

3. Groundwater Flow

This section of the report provides a summary of the scope of work performed for the groundwater level monitoring program and the resultant groundwater elevation and groundwater flow direction evaluation for each of the four operable units (OUs).

3.1 Scope of Groundwater Level Monitoring Program

Groundwater level monitoring is conducted at the Site and offsite within the individual OUs (OU-1, OU-2, OU-3 and OU-4) to determine the groundwater elevations and resultant groundwater flow regimes at these locations. This information aids in monitoring and evaluating the effectiveness of remedial activities and is used in remedy planning. The well locations and geographic boundaries of the OUs are illustrated in **Figure 1**.

Depth to groundwater measurements were collected from a total of 257 wells and surface water gauging stations in Q3 2010. The distribution of these wells for each of the OUs consisted of 52, 99, 42 and 59 monitoring wells from within and in the vicinity of OU-1, OU-2, OU-3 and OU-4, respectively. Surface water elevations were obtained from surface water gauges located within OU-2 in Lawrence Lake (BBSW-07) and Lawrence Creek (OU2SW-01 and BBSW-06), in OU-3 from a surface water gauge located within the headwaters of O-Co-Nee Pond (BBSW-13), as well as in OU-4 from a surface water gauge located in Watchogue Creek (a.k.a., Crum's Brook) at Union Boulevard (BBSW-14). The depth to groundwater and surface water elevation measurements were collected on June 30 and July 1, 2010.

The depth to groundwater and groundwater elevation data for the Site and offsite areas are provided on the following tables and figures. The elevation data presented on the tables and figures is in reference to the North American Vertical Datum (NAVD) 88 datum. All historic groundwater elevation data, collected prior to November 2007, has been recalculated based on the November 2007 or subsequent survey data and the NAVD 88 datum.

- **Table 3-1 OU-1 Water Level Measurements and Calculated Groundwater Elevations** – provides depth to water measurements and calculated groundwater elevation data for OU-1 wells measured in Q3 2010.
- **Table 3-2 OU-1 Historic Calculated Groundwater Elevations –** provides historic groundwater elevations for existing OU-1 groundwater monitoring wells.
- **Table 3-3 OU-2 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 2010.

- **Table 3-4 OU-2 Historic Calculated Groundwater Elevations** – provides historic groundwater elevations for existing OU-2 groundwater monitoring wells.
- **Table 3-5 OU-3 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 2010.
- **Table 3-6 OU-3 Historic Calculated Groundwater Elevations** – provides historic groundwater elevations for OU-3 for existing groundwater wells.
- **Table 3-7 OU-4 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 2010.
- **Table 3-8 OU-4 Historic Calculated Groundwater Elevations** – provides historic groundwater elevations for OU-4 for existing groundwater wells.
- **Figure 12 On-site Shallow Groundwater Contour Map** – provides the Q3 2010 shallow groundwater elevation contours for OU-1 and OU-3.
- **Figure 13 Shallow Groundwater Contour Map** – provides the Q3 2010 shallow groundwater elevation contours for OU-1, OU-2, OU-3 and OU-4.
- **Figure 14 Deep Groundwater Contour Map** – provides the Q3 2010 deep groundwater elevation contours for OU-1, OU-2, OU-3 and OU-4.

3.2 Groundwater Elevation and Flow

As illustrated in **Figures 12** through **14,** the groundwater flow direction throughout the Site is generally towards the south/southeast, with the exception of areas downgradient of OU-4, where the groundwater flow direction is southeasterly. This OU-4 groundwater flow direction is influenced by Watchogue Creek/Crum's Brook. The data provided in **Figures 13** and **14** indicate that the shallow and deep groundwater elevations and groundwater flow directions are generally similar, with the exception of the downgradient portion of OU-3. Downgradient in OU-3, the deep groundwater elevations are generally higher than the shallow groundwater elevations indicating a stronger vertically upward potential radiant at these locations.

Figure15 illustrates the historic groundwater elevations for select sitewide shallow, intermediate and deep wells, respectively. The select shallow wells in **Figure 15** show a historical variance in range from 9.41 feet above Mean Sea Level (MSL) in BBMW-24S to 18.00 feet above MSL in MW-09S. Select intermediate wells show a historical variance in range from 9.44 feet above MSL in BBMW-24I to 18.02 feet above MSL in MW-09I. Select deep wells historically vary in range from 9.44 feet above MSL in BBMW-24D to 16.40 feet above MSL in BBMW-05D. The hydrographs show regular seasonal variations in groundwater elevation throughout all screen intervals. Q3 2010 values are on the lower end of this historical fluctuation.

The shallow horizontal groundwater gradient at the Site ranges from approximately 0.0023 feet/foot to 0.0048 feet/foot. The deep horizontal groundwater gradient at the Site ranges from approximately 0.0024 feet/foot to approximately 0.0053 feet/foot. The groundwater elevations measured in Q3 2010 were lower than the Q2 2010 groundwater elevations and the Q2 2009 groundwater elevation measurements. Groundwater measurements specific to each OU are provided below:

OU-1

The shallow groundwater hydraulic gradient is approximately 0.0018 feet/foot and the deep groundwater hydraulic gradient is approximately 0.0029 feet/foot. The groundwater elevation in OU-1 monitoring wells during the Q3 2010 event were an average of approximately 2.60 feet lower than the Q2 2010 groundwater elevations and an average of approximately 0.70 feet lower than the Q3 2009 groundwater elevations.

OU-2

The shallow groundwater hydraulic gradient ranges from approximately 0.0029 feet/foot in the upgradient portion of the plume to approximately 0.0056 feet/foot in the downgradient portion of the plume. The deep groundwater hydraulic gradient ranges from approximately 0.0031 feet/foot to 0.0041 feet/foot. The groundwater elevation in OU-2 monitoring wells during the Q3 2010 event were an approximate average of 2.31 feet lower than the Q2 2010 groundwater elevations and an approximate average of 0.94 feet lower than the Q3 2009 groundwater elevations.

OU-3

The shallow groundwater hydraulic gradient in OU-3 is approximately 0.0024 feet/foot. No deep wells are located in OU-3. The groundwater elevation in OU-3 monitoring wells during the Q3 2010 event were an approximate average of 2.05 feet lower than the Q2 2010 groundwater elevations and an approximate average of 0.83 feet lower than the Q3 2009 groundwater elevations.

OU-4

The shallow groundwater hydraulic gradient is approximately 0.0031 feet/foot. The deep groundwater hydraulic gradient is approximately 0.0021 feet/foot. The groundwater elevation in OU-4 monitoring wells during the Q3 2010 gauging event was an approximate average of 1.67 feet lower than the Q2 2010 groundwater elevations and an approximate average of 0.79 feet lower than the Q3 2009 groundwater elevations.

4. Groundwater Quality

In the sections below, descriptions are provided for the current composite plume, as well as the current total benzene, toluene, ethylbenzene and xylene (BTEX) and total polycyclic aromatic hydrocarbon (PAH) plumes for each operable unit (OU-1 through OU-4). In addition, for OU-1/OU-2, comparisons are made between the current (Third Quarter [Q3] 2010) composite plume and the 2004 historical remedial investigation (RI) plume outline. Finally, the current plume is compared to the remedial baseline Q1 2009 plume, described further below, for total BTEX and total PAH for each of three groundwater horizons; shallow (water table zone to approximately 10 feet below ground surface [bgs]), intermediate (approximately 10 to 50 feet bgs), and deep (below approximately 50 feet bgs).

The data presented on the Q1 2009 iso-concentration maps represent the first full round of groundwater results of the current monitoring well network installed as part of the OU-2 Remedial Design. The Q1 2009 data represent the groundwater conditions prior to the start of the groundwater treatment systems in the mid-plume area. The oxygen injection lines located at 9 North Clinton Avenue, 33 North Clinton Avenue and 34 North Clinton Avenue were started following the Q1 2009 sampling event. In addition, the OU-4 Cesspool Area Surfactant Enhanced In-situ Chemical Oxidation (S-ISCO) IRM was initiated in Q2 2009. Therefore, this data set represents baseline conditions within OU-2 and OU-4 groundwater prior to treatment. As such, the Q1 2009 plume, throughout the remainder of this report, will be referred to as the Baseline Q1 2009 Plume.

The groundwater analytical results for groundwater monitoring wells sampled in Q3 2010 for each OU are provided on the following tables:

<u>OU-1</u>

- **Table 4-1 OU-1 Summary of Historic Total BTEX Groundwater Analytical Results** – provides a summary of historical total BTEX results for existing OU-1 groundwater monitoring wells.
- **Table 4-2 OU-1 Summary of Historic Total PAH Groundwater Analytical Results** – provides a summary of historical total PAH results for existing OU-1 groundwater monitoring wells.
- **Table 4-3 OU-1 Summary of BTEX, MTBE and PAH Groundwater Analytical Results** – provides the Q3 2010 groundwater analytical results for monitoring wells located in OU-1 for the analyzed compounds detected.
- **Table 4-4 OU-1 Summary of Expanded Groundwater Analytical Results** – provides the Q3 2010 groundwater analytical results for monitoring wells located in OU-1 that

were analyzed for the expanded list of volatile organic compounds (VOCs) for each compound detected.

- **Table 4-12 OU-1 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 2010.
- **Table 4-13 OU-1 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 2010.

OU-2

- **Table 4-5 Summary of Historic Total BTEX Groundwater Analytical Results – Downgradient of Subsurface Barrier Wall** – presents a summary of historical total BTEX results for existing OU-2 groundwater monitoring wells downgradient of the subsurface barrier wall.
- **Table 4-6 Summary of Historic Total PAH Groundwater Analytical Results – Downgradient of Subsurface Barrier Wall** – presents a summary of historical total PAH results for existing OU-2 groundwater monitoring wells downgradient of the subsurface barrier wall.
- **Table 4-7 Summary of Historic Total BTEX Groundwater Analytical Results – Mid-Plume Treatment Area** – presents a summary of historical total BTEX results for existing OU-2 groundwater monitoring wells located in the mid-plume treatment area.
- **Table 4-8 Summary of Historic Total PAH Groundwater Analytical Results – Mid-Plume Treatment Area** – presents a summary of historical total PAH results for existing OU-2 groundwater monitoring wells located in the mid-plume treatment area.
- **Table 4-9 Summary of Historic Total BTEX Groundwater Analytical Results – Downgradient of Montauk Highway** – presents a summary of historical total BTEX results for existing OU-2 groundwater monitoring wells downgradient of the Montauk Highway Oxygen Injection Line.
- **Table 4-10 Summary of Historic Total PAH Groundwater Analytical Results – Downgradient of Montauk Highway** – presents a summary of historical total PAH results for existing OU-2 groundwater monitoring wells downgradient of the Montauk Highway Oxygen Injection Line.
- **Table 4-11 OU-2 Summary of Expanded Groundwater Analytical Results** – provides the Q3 2010 groundwater analytical results for monitoring wells located in OU-2 for each compound detected during the Q3 2010 sampling event.
- **Table 4-14 OU-2 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 2010. The table is set up to include wells for all of the existing oxygen injection systems; however, some of the wells installed to monitor the new systems do not have sufficient data to evaluate concentration trends.

Future quarterly Operations, Maintenance and Monitoring (OM&M) reports will evaluate the trends for these wells.

- **Table 4-15 OU-2 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 2010. The table is set up to include wells for all of the existing oxygen injection systems; however, some 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.

OU-3

- **Table 4-16 OU-3 Summary of Historic Total BTEX Groundwater Analytical Results** – presents a summary of historical total BTEX results for existing OU-3 groundwater monitoring wells.
- **Table 4-17 OU-3 Summary of Historic Total PAH Groundwater Analytical Results** – presents a summary of historical total PAH results for existing OU-3 groundwater monitoring wells.
- **Table 4-18 OU-3 Summary of BTEX, MTBE and PAH Groundwater Analytical Results** – provides the Q3 2010 groundwater analytical results for monitoring wells located in OU-3 for each compound detected during the Q3 2010 sampling event.
- **Table 4-19 OU-3 Summary of Expanded Groundwater Analytical Results** – provides the Q3 2010 groundwater analytical results for monitoring wells located in OU-3 for each compound detected during the Q3 2010 sampling event.
- **Table 4-20 OU-3 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 2010. 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 4-21 OU-3 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 2010. 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.

OU-4

- **Table 4-22 OU-4 Summary of Historic Total BTEX Groundwater Analytical Results** – presents a summary of historical total BTEX results for existing OU-4

groundwater monitoring wells. (**Table 4-24** includes the most recent results per quarter for wells sampled more than once per quarter.)

- **Table 4-23 OU-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 4-25** includes the most recent results per quarter for wells sampled more than once per quarter.)
- **Table 4-24 OU-4 Summary of Expanded Groundwater Analytical Results** – provides the Q3 2010 groundwater analytical results for monitoring wells located in OU-4 for each compound detected for each of the sampling rounds performed in Q3 2010.
- **Table 4-25 OU-4 Summary of Total PAH Statistical Trends** – provides statistical trends of concentrations in monitoring wells in OU-4.

The analytical data for all of the OUs were used to generate the following figures and appendices:

- **Figure 16 Water Table Groundwater BTEX Iso-Concentration Map (0-10 Feet bgs)** – **Q1 2009/Q3 2010 Data –** depicts the horizontal extent of total BTEX in the water table portion of the upper glacial aquifer.
- **Figure 17 Water Table Groundwater PAH Iso-Concentration Map (0-10 Feet bgs)** – **Q1 2009/Q3 2010 Data –** depicts the horizontal extent of total PAH in the water table portion of the upper glacial aquifer.
- **Figure 18 Intermediate Groundwater BTEX Iso-Concentration Map (10-50 Feet bgs) – Q1 2009/Q3 2010 Data –** depicts the horizontal extent of total BTEX in the 10 to 50-foot depth zone of the upper glacial aquifer.
- **Figure 19 Intermediate Groundwater PAH Iso-Concentration Map (10-50 Feet bgs)** – **Q1 2009/Q3 2010 Data –** depicts the horizontal extent of total PAH in the 10 to 50-foot depth zone of the upper glacial aquifer.
- **Figure 20 Deep Groundwater BTEX Iso-Concentration Map (Below 50 Feet bgs) – Q1 2009/Q3 2010 Data** – depicts the horizontal extent of total BTEX in the deeper than 50-foot depth zone of the upper glacial aquifer.
- **Figure 21 Deep Groundwater PAH Iso-Concentration Map (Below 50 Feet bgs) – Q1 2009/Q3 2010 Data** – depicts the horizontal extent of total PAH in the deeper than 50-foot depth zone within the upper glacial aquifer.
- **Appendix E** – **Time Series Plots of Analytical Results for Groundwater Monitoring Wells** – presents time series plots of historical concentrations in groundwater monitoring wells.
- **Appendix F** – **Distribution of pH Values in Groundwate**r – identifies wells and depicts the distribution of pH values outside the 5.0 to 7.0 standard units (SU) range in groundwater. pH readings in OU-1 through OU-4 wells were below 5.0 SU in 11, 16, 0 and 20 wells, respectively, in Q3 2010. pH readings in OU-1 through OU-4 wells were above 7.0 SU in 21, 13, 1 and 10 wells, respectively, in Q3 2010.
- **Sulfate concentration** data is presented in **Appendix G.**

4.1 Operable Unit 1/Operable Unit 2

The groundwater plume designated as Operable Unit 2 (OU-2) and the source area of the plume, OU-1, are presented and evaluated together in this section, because of their dependent relationship. The remedial actions, Interim Remedial Measures (IRMs) and pilot studies that have been performed in OU-1 and OU-2 are outlined in Section 1 of this report.

4.1.1 Total BTEX and Total PAH Composite Plume Comparisons

Figure 1 includes the Q3 2010 plume outline (based on greater than 100 micrograms per liter [ug/L] of total BTEX and total PAH). This composite outline denotes the horizontal extent of total BTEX and total PAH from the three groundwater horizons. Also included in **Figure 1** for comparison are the outlines of the Baseline Q1 2009 Plume and the historical 2004 RI plume.

The composite Q3 2010 plume is comprised mainly of four sections which have been dissected from the single larger historical RI plume. Two sections begin in OU-1 (eastern and western) which continue into the upgradient portion of OU-2. The downgradient edge of the eastern section extends slightly beyond the 33 North Clinton Avenue oxygen injection line and averages approximately 175 feet in width. The western section averages approximately 250 feet in width in its upgradient portion and continues downgradient approximately 300 feet south of the OU-1/OU-2 boundary. The division in this section of the composite plume in Q3 2010 marks the first time the plume has been divided in this area. The downgradient section of the fragmented western plume section begins approximately 50 feet south of the 34 North Clinton oxygen injection line and continues to the Manatuck Lane oxygen injection line averaging approximately 175 feet in width. The third and fourth sections of the plume, located downgradient of the central portion of 33 North Clinton Avenue oxygen injection line on the eastern side of the historical plume area, and in the area of the south end of the Manatuck Lane oxygen injection line, are much smaller, defined by concentrations in two and one wells, respectively.

In comparison to the historical plume, the Q3 2010 composite plume is much smaller in extent. One significant change to the overall outline of the composite plume from the 2004 depiction is the reduction in the downgradient extent of the plume in the area of Lawrence Creek and 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 operation of the oxygen and ozone injection systems, excavations in OU-1, and the installation of the subsurface barrier wall (**Figure 2**). The changes from the 2004 outline to the current Q3 2010 plume outline are summarized as follows:

- The downgradient edge of the plume does not extend to Lawrence Creek, and ends in the vicinity of the Manatuck Lane oxygen injection line.

- The plume is better defined throughout, particularly in the northern section of OU-1, as a result of additional monitoring well installations.
- The plume has generally been divided into three sections in the mid-plume area. These include a main section which exists on the western side of the historical plume area, an eastern section in the upgradient portion of OU-2, and a third section located along the eastern portion of the mid-plume area of OU-2. The two eastern sections extend slightly further to the east than the 2004 plume depiction. Groundwater data was not available in these areas in 2004. Additional groundwater monitoring wells that were installed as part of the oxygen injection system monitoring network for the 33 North Clinton Avenue property provided additional data which was used to refine the plume location on the eastern side of the mid-plume area. The oxygen injection system line for 33 North Clinton Avenue was installed to extend treatment to the eastern edge of the plume.
- The plume is considerably narrower in the mid-plume and downgradient area in areas where the plume still exists.
- As anticipated, concentration reductions in monitoring wells in the area to the west to the subsurface barrier wall were identified, specifically in monitoring wells OZMW-22RI, OU2MW-57S, OU2MW-57I, OU2MW-57I2 and BBMW-23S for both total BTEX and total PAHs; however, these reductions are not evident in the composite plume outline. The reductions are due to source material excavation on the former King Bear/Summers Lumber properties (60/66 North Clinton Avenue) in Q1 2010, and the installation of an oxygen injection line in Q4 2009. It is noted that the concentrations of total BTEX and total PAH in monitoring well OZMW-22RS, remain elevated.

Changes are also evident between the current composite plume (Q3 2010) and the composite Baseline Q1 2009 Plume with the current composite plume being slightly smaller in size (see **Figure 1**). Significant changes to the overall outline of the composite plume from the pre-remediation depiction include:

- The plume is better defined throughout, particularly in the northern section of OU-1, as a result of additional monitoring well installations.
- The internal configuration of the plume within the upper glacial aquifer has been divided in OU-1 into two sections which continue downgradient into OU-2. In the mid-plume to downgradient area, the plume has been divided into three sections, with two of these sections being relatively small, characterized by one and two wells. One of these sections, located in the area of the Manatuck Lane oxygen injection line and characterized by a single well, was not present in Q1 2009. Concentrations in this single well have been varied and may be the result of an upgradient source in the area not associated with the current plume.
- Narrowing of the plume in areas where the plume is still present from the mid-plume to the downgradient area.

4.1.2 Groundwater Horizon Descriptions and Comparisons

The distribution of total BTEX and total PAH concentrations within the upper glacial aquifer for Q3 2010 is presented in **Figures 16** through **21**. 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, as well as other local hydraulic factors that might influence groundwater flow. 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 the iso-concentration maps for three groundwater horizons: the water table zone, the intermediate depth zone and the deep zone. Beginning in Q3 2009, the concentrations used for the iso-concentration maps and referenced below are the latest concentrations recorded (for wells that are sampled on multiple occasions) in the quarter for each respective well. In addition, beginning in Q4 2009, the iso-concentration maps were modified to reflect likely localized groundwater flow patterns in the area of the barrier wall.

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

For the basis of comparison, and in addition to comparing the iso-concentration maps, trend analysis of constituent concentrations for groundwater monitoring wells was conducted on two levels: statistical and graphical. The focused period for these trends is the operational period of the ozone injection lines and the various oxygen injection system lines in OU-1 and OU-2.

Changes to the plumes described below are supported in the graphical and statistical analysis. The time series plots display the graphical analytical results and are provided for wells located downgradient of the oxygen injection systems in **Figures 4** through **11** and the complete set of graphs is provided in **Appendix E**. The statistical analytical trends for total BTEX and total PAH are provided in **Tables 4-12** through **4-15** for OU-1 and OU-2.

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 conducted was modified from 95% to 90% beginning in the Q3 2009 report, in an attempt 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. Many of the wells in the study area have been identified and continue to be identified as having no trend; however, many of the wells identified as having no trend had a negative Mann-Kendall Statistic (S) associated with them. 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 also had a limited number of sampling events or high number of non-detect results. It is important to note that the Mann-Kendall analysis discounts the high initial baseline concentrations that were collected prior to system operation. It is likely that if the baseline concentrations were used for the analysis, more decreasing trends would be identified.

A description of the individual depth horizons for total BTEX and total PAH, and comparisons between the baseline plume and the current Q3 2010 plume is provided below.

4.1.2.1 Groundwater Horizon Descriptions and Comparisons

Shallow Zone

BTEX

In OU-1, the highest concentrations of total BTEX are present in the shallow portion of the aquifer. As shown in the depth series iso-concentration map (**Figure 16**), these impacts mainly extend across the eastern and southern portions of OU-1. As previously noted, OU-1 groundwater impacts are better defined in Q3 2010 as a result of the installation of new monitoring wells in the area since Q1 2009.

The groundwater plume in OU-1 is divided into three sections, one section behind the central portion of the barrier wall, one to the east of the barrier wall, and another section to the west of the barrier wall. The section of the plume inside the barrier wall is treated by the ozone injection system OU-1 South as it exits the perforated section of the subsurface barrier wall by the Union Boulevard oxygen injection system. Concentrations range up to 6,390 ug/L at BBMW-40S in the eastern section of the plume and up to 7,350 ug/L at BBMW-22S in the central section of the plume. Total BTEX was not detected at concentrations greater than 100 ug/L in monitoring wells located immediately downgradient of the ozone injection system and the perforated section of the subsurface barrier wall.

Source material to the west of the barrier wall was removed during the excavation on the former Summers Lumber property (66 North Clinton Avenue) in Q1 2010 and residual contamination was to be addressed with the installation of an oxygen injection line in Q4 2009. The OZMW-22 monitoring well cluster, which was present in the area, was abandoned in advance of the excavation. The replacement shallow and intermediate wells in the OZMW-22 cluster, as well as an additional cluster (OU2MW-57S, I and I2), located approximately 140 feet downgradient, were installed and initially sampled in Q2 2010. Concentrations in the shallow wells in these clusters in Q3 2010 were 4,121 ug/L and 308 ug/L, respectively. As anticipated, concentrations of total BTEX in OU2MW-57S decreased significantly in Q3 2010 (308 ug/L) from 2,082 ug/L in Q2 2010. Furthermore, the total BTEX concentration in BBMW-23S located approximately 75 feet downgradient of OU2MW-57S, also decreased significantly between Q2 2010 (11,441 ug/L) to 6,213 ug/L in Q3 2010. These decreases can likely be attributed to the operation of the oxygen injection system located upgradient of these wells. However, the total BTEX concentration in OZMW-22SR, located upgradient of the oxygen injection system remained elevated, increasing from 3,477 ug/L in Q2 2010 to 4,121 ug/L in Q3 2010.

Downgradient in OU-2, concentrations exceeding 100 ug/L were limited to one monitoring well BBMW-23S with a concentration of 6,213 ug/L. As mentioned above, the concentrations in well BBMW-23S decreased between Q2 and Q3 2010 and are generally trending downward, but have been varied historically.

Differences between the current shallow total BTEX plume and the corresponding Baseline Q1 2009 Plume are as follows (see **Figure 16**):

- The Q3 2010 shallow BTEX plume is smaller in size than the corresponding Baseline Q1 2009 Plume. The baseline plume extends approximately 1,200 feet downgradient of the OU-1/OU-2 boundary while the Q3 2010 plume ends less than 300 feet downgradient of the same boundary and is defined downgradient of Union Boulevard by the concentration in one well, BBMW-23S (6,213 ug/L). The concentration in well BBMW-23S has decreased from the Q1 2009 concentration of 11,860 ug/L.
- The shallow BTEX plume is better defined in OU-1, and is now comprised of three sections. The further definition of the plume in OU-1 was accomplished by the installation of new monitoring wells located throughout OU-1.
- The total width (as defined by the 100 ug/L contour) of the two plumes at the OU-1/OU-2 boundary has narrowed significantly.
- Concentrations within the plume have decreased and as such, the internal configuration of the plume has changed. The area of elevated concentrations has been reduced and the 10,000 ug/L contour has been eliminated. In Q1 2009 there were three wells with concentrations above 10,000 ug/L with the maximum concentration of 11,947 ug/L in OZMW-22S, while in Q3 2010 there were no wells with concentrations exceeding 10,000 ug/L, the highest concentration being 7,350 ug/L at BBMW-22S.

Total PAH

In comparison to the total BTEX concentrations in the water table portion of the, total PAH concentrations are generally lower, with a maximum concentration of 5,177 ug/L at OZMW-21S (**Figure 17**). The impacts are primarily present within the south-central portion of OU-1, with the higher concentrations present in the southern section, behind the barrier wall.

Similar to the shallow total BTEX plume, the shallow total PAH groundwater plume in OU-1 is divided into three sections, one behind the central portion of the barrier wall, one section to the east of the barrier wall, and another section to the west of the barrier wall. The section of the plume inside the wall is treated by the ozone and oxygen injection systems in the vicinity of the perforated section of the subsurface barrier. The eastern section of the plume is characterized by three concentrations above 100 ug/L, ranging up to 4,533 ug/L at BBMW-40S. This section of the plume does not extend into OU-2, ending just upgradient of the OU-1/OU-2 boundary. Total PAHs in the central section of OU-1 range up to 5,177 ug/L at OZMW-21S. PAHs were not detected at concentrations greater than 100 ug/L in monitoring wells located immediately downgradient of the ozone injection system and the perforated section of the subsurface barrier wall.

As discussed above, source material to the west of the barrier wall was removed during the excavation on the former Summers Lumber property (66 North Clinton Avenue) in Q1 2010 and residual contamination was to be addressed with the installation of an oxygen injection line in Q4 2009. The OZMW-22 monitoring well cluster, which was present in the area, was abandoned in advance of the excavation. The shallow and intermediate wells in the OZMW-22 cluster, as well as an additional cluster (OU2MW-57S, I and I2), located approximately 140 feet downgradient, were installed and initially sampled in Q2 2010. Total PAH concentrations in the shallow wells in these clusters in Q3 2010 were 1,588 ug/L and 70 ug/L, respectively. As anticipated, concentrations of total PAH in OU2MW-57S decreased in Q3 2010 (70 ug/L) from 375 ug/L in Q2 2010. Furthermore, the total PAH concentration in BBMW-23S located approximately 75 feet downgradient of OU2MW-57S, also decreased significantly between Q2 2010 (2,292 ug/L) to Q3 2010 (948 ug/L). These decreases can likely be attributed to the operation of the oxygen injection system located upgradient of these wells. However, the total PAH concentration in OZMW-22SR, located upgradient of the oxygen injection system, remained elevated, increasing slightly from 1,347 ug/L in Q2 2010 to 1,588 ug/L in Q3 2010.

Downgradient in OU-2, the shallow PAH plume is a maximum of approximately 150 feet in width and extends approximately 250 feet downgradient of the OU-1/OU-2 boundary. This plume is defined by one well, BBMW-23S, with a concentration of 948 ug/L.

Differences between the current shallow total PAH plume and the corresponding Baseline Q1 2009 Plume are as follows (see **Figure 17**):

- The Q3 2010 shallow PAH plume is smaller in length than the corresponding Baseline Q1 2009 Plume. The baseline plume extends approximately 1,100 feet downgradient of the OU-1/OU-2 boundary while the Q3 2010 plume ends approximately 250 feet downgradient of the same boundary. This section of the plume in OU-2 is defined by the concentration in one well, BBMW-23S, where the Q3 2010 concentration (948 ug/L) remains above 100 ug/L, but has decreased from Q1 2009 (1,673 ug/L).
- The shallow PAH plume is better defined in OU-1, and is now comprised of three sections. The further definition of the plume in OU-1 was accomplished by the installation of new monitoring wells located throughout OU-1.
- The length of the Baseline Q1 2009 Plume was largely defined by the concentrations in two wells BBMW-01S (359 ug/L) and OU2MW-21S (341 ug/L). The concentrations in these wells were reduced to 44 ug/L and non-detect (ND), respectively, in Q3 2010. In addition, several new wells were subsequently installed within the mid-plume area of the Q1 2009 plume, all of which were below 100 ug/L in Q3 2010.
- Total PAH concentrations in OU-1 wells that were installed and sampled in both Q1 2009 and Q3 2010 remain relatively similar.

The reduction in the length of the Q3 2010 plume can be directly attributed to the ozone injection system and the oxygen injection lines at Cooper Lane, 33 North Clinton Avenue and 34 North Clinton Avenue. The reductions in concentrations in the southern section of OU-1 and the upgradient section of OU-2 can be attributed to the 66 North Clinton Avenue oxygen injection system, the Union Boulevard oxygen injection system and the ozone injection system. Furthermore, total BTEX and total PAH were not detected at concentrations greater than 100ug/L in monitoring wells located immediately downgradient of the ozone injection system and the perforated section of the subsurface barrier wall.

Intermediate Zone

Total BTEX

Remedial activities, including operation of the oxygen injection systems, have dissected the plume in the intermediate zone of the aquifer into six sections, dividing the larger historical plume. These sections, while not continuous, extend from OU-1 downgradient to the area of Manatuck Lane oxygen injection line. A limited area beyond the downgradient edge of the historical plume along Garner Lane is not related to the OU-2 plume as described below.

In OU-1, the intermediate total BTEX plume is divided into three sections, a western section existing outside the barrier wall, a central section behind the barrier wall, and an eastern section present outside the eastern edge of the barrier wall. The eastern section extends into OU-2. The highest concentrations of total BTEX present in the intermediate zone of the aquifer (**Figure 18**) are primarily located within the central and eastern sections in OU-1 and in the upgradient

portion of OU-2. One concentration above 1,000 ug/L is present in the central section of OU-1 BBMW-34I (3,757 ug/L) and two concentrations above 1,000 ug/L are present in the eastern section of OU-1 and the upgradient section of OU-2 at OZMW-19I2 (1,111 ug/L) and OU2MW-18I (1,592 ug/L), respectively. Concentrations above 100 ug/L outside the western edge of the barrier wall were limited to one well, OZMW-22IR, with a concentration of 214 ug/L. The concentration in this well, located upgradient of the oxygen injection line in the area, and in monitoring well OU2MW-57I (71 ug/L) located downgradient of the oxygen injection line, have decreased significantly between Q2 (564 ug/L and 4,716 ug/L, respectively) and Q3 2010. The decreases in these wells are likely attributable to the source material excavation conducted at the Summers Lumber property in Q1 2010, as well as the operation of oxygen injection line located in the area (OU2MW-57I only). As previously mentioned, the OZMW-22 cluster was abandoned prior to the source material excavation and was reinstalled upon its completion. The current well cluster is located upgradient of the oxygen injection line, and therefore, is not expected to affect concentrations at this cluster.

The first section of the plume in OU-2 extends from the eastern edge of OU-1, around the edge of the barrier wall to approximately 150 feet downgradient of the 33 North Clinton Avenue oxygen injection line and averages approximately 150 to 200 feet in width. Concentrations in this plume section range up to 1,592 ug/L in OU2MW-18I. This section of the plume will be treated by either the planned extension of the Union Boulevard oxygen injection line or by the 33 North Clinton Avenue oxygen injection line.

The second section of the OU-2 plume is present in the mid-plume area of OU-2 on the eastern side of the historical plume and is defined by concentrations in two wells, OU2MW-34I (211 ug/L) and OU2MW-32I (399 ug/L). Prior to Q4 2009, this plume section was connected to the northern plume section. The concentration in both of these wells decreased significantly between Q2 (760 ug/L and 2,554 ug/L, respectively) and Q3 2010. The plume division is likely a direct result of the 33 North Clinton Avenue oxygen injection line. The downgradient edge of this section of the plume extends slightly beyond the eastern end of the 9 North Clinton Avenue oxygen injection line.

One plume section of the intermediate OU-2 plume is present on the western side of the historical plume area. The section begins in the area upgradient of the 9 North Clinton Avenue oxygen injection line in the area of monitoring well clusters OU2MW-28 and OU2MW-29, and extends approximately 500 feet to an area just downgradient of the western side of the Montauk Highway oxygen injection line averaging approximately 150 feet in width. Total BTEX concentrations is this area are relatively low, reaching a maximum of 264 ug/L at OU2MW-28I2.

Two plume sections, which are defined by total BTEX concentrations above 100 ug/L in one well each, are present near the downgradient edge of the historical plume area in the vicinity of Manatuck Lane. These wells are OU2MW-05 (139 ug/L) and OU2MW-10I (529 ug/L). The

plume section in the area of OU2MW-05 has been reduced in size, having historically included several other wells in the area. Concentrations in OU2MW-10I have been varied historically and may be the result of an upgradient source in the area, not associated with the Site plume.

Differences between the current intermediate total BTEX plume and the corresponding Baseline Q1 2009 Plume are as follows (see **Figure 18**):

- The intermediate BTEX plume is better defined in OU-1 and is now comprised of three sections, as a result of the installation of new monitoring wells throughout OU-1.
- The Q3 2010 plume has been greatly fragmented and is no longer continuous from OU-1 downgradient to the Manatuck Lane oxygen injection line. The plume is currently comprised of six separate sections with large areas of the Baseline Q1 2009 plume now below 100 ug/L. It is noted that several of these sections have decreased in size from the corresponding Q2 2010 sections. The plume was comprised of four larger sections as recently as Q1 2010.
- The concentrations detected throughout the Q3 2010 plume have also generally decreased when compared to the Q1 2009 plume. In Q1 2009, a large area of total BTEX concentrations exceeding 1,000 ug/L, extended from an area downgradient of Cooper Lane to Montauk Highway and encompassed the majority of the plume width. In Q3 2010, there were no wells with detected concentrations above 1,000 ug/L in the mid-plume area. Last quarter in Q2 2010, only one well, OU2MW-32I (2,554 ug/L) in this area had a concentration exceeding 1,000 ug/L.
- Concentrations in well OU2MW-18I increased to 1,592 ug/L in Q3 2010, up from 799 ug/L in Q2 2010, but remain well below the maximum concentration of over 28,000 ug/L in Q1 2009. Based on typical groundwater flow rates of 1 to 2 feet per day, this area of elevated concentrations would have been expected to reach the 33 North Clinton Avenue oxygen injection line prior to Q3 2010, likely resulting in a substantial reduction in the concentration levels. All but two wells, OU2MW-37I (338 ug/L) and OU2MW-38I2 (197 ug/L), the wells located immediately downgradient of the 33 North Clinton Avenue oxygen injection line all had concentrations below 100 ug/L in Q3 2010. The elevated concentrations in these wells are may be the result of an existing source to the west of the barrier wall in the area of the former Expo Tire property. This source, if present, will be addressed with the planned remedial activities at the former Expo Tire property which include the extension of the Union Boulevard oxygen injection line.

Total PAH

Similar to total BTEX, the total PAH plume in the intermediate zone of the aquifer has been divided into several sections from the larger historical plume. These sections, while not continuous, extend from OU-1 downgradient to the Manatuck Lane oxygen injection line.

Total PAH impacts in OU-1 within the intermediate zone of the aquifer are present in two plume sections. The main section of the plume begins in the central and south-central portion of OU-1 and ends at the barrier wall. The second section exists to the east of the subsurface barrier wall and extends into OU-2. The maximum concentrations in these areas are 5,972 ug/L (OZMW-21I2), and 4,346 ug/L (OZMW-19I2), respectively (**Figure 19**). Detections of total PAH in intermediate wells located immediately downgradient of the perforated section of the subsurface barrier wall were limited to one of the six intermediate monitoring wells (OZMW-16I2).

Detections of total PAH in monitoring wells located to the west of the barrier wall in Q2 2010 at OZMW-22IR (220 ug/L) and OU2MW-57I (72 ug/L) were reduced to 4 ug/L and ND, respectively in Q3 2010. The reduction at OZMW-22IR eliminated the plume section in this area. The decreases in these wells are likely attributable to the source material excavation conducted at the Summers Lumber property in Q1 2010, as well as the operation of oxygen injection line located in the area (OU2MW-57 cluster only). As previously mentioned, the OZMW-22 cluster was abandoned prior to the source material excavation and was reinstalled upon its completion. The current well cluster is located upgradient of the oxygen injection line, and therefore, it is not expected to affect concentrations at this cluster.

The eastern section of the intermediate total PAH plume averages approximately 100 feet in width in OU-1 before widening downgradient of the barrier wall in OU-2 to approximately 150 feet in width. This plume section extends approximately 400 feet from the OU-1/OU-2 boundary, ending just upgradient of the 33 North Clinton oxygen injection line. Concentrations above 100 ug/L in this area were limited to four wells, OZMW-19I, OZMW-19I2, OZMW-16I and OU2MW-18I with concentrations in the OU-2 section of the plume ranging up to 1,745 ug/L in OU2MW-18I.

Three sections of the intermediate total PAH plume are present downgradient. Two of the three downgradient plume sections are defined by concentrations above 100 ug/L in one well or well cluster. These wells include BBMW-01I (431 ug/L), located approximately 200 feet downgradient of the OU-1/OU-2 boundary, OU2MW-32I (202 ug/L) and OU2MW-32I2 (132 ug/L) located just upgradient of the 9 North Clinton oxygen injection line. The total PAH concentration trends in these wells are decreasing. Furthermore, the Q3 2010 intermediate total PAH plume sections defined by monitoring wells BBMW-01I and OU2MW-32I and OU2MW-32I2 have either become detached form a larger plume section (BBMW-01I), or have decreased in size (OU2MW-32 cluster) in Q3 2010. Another impacted groundwater area is indicated at OU2MW-10I (149 ug/L) located just upgradient of the Manatuck Lane oxygen injection line. The concentrations in OU2MW-10I have been varied and may be the result of an upgradient source in the area not related to the Site plume.

The main downgradient section of the intermediate total PAH plume begins roughly in the same area as the corresponding section of the total BTEX plume described above. This plume section

is generally characterized by higher concentrations than the corresponding total BTEX plume section, with three concentrations detected above 1,000 ug/L, reaching a maximum of 4,414 ug/L in OU2MW-28I2. Also of note, the main downgradient intermediate total PAH plume section has remained continuous from its starting point to Manatuck Lane, while the intermediate total BTEX plume has been largely eliminated downgradient of the Montauk Highway oxygen injection line.

Significant changes have occurred between the current intermediate total PAH plume and the corresponding Baseline Q1 2009 Plume. The changes are detailed below (see **Figure 19**):

- The intermediate PAH plume is better defined in OU-1 as a result of the installation of new monitoring wells throughout OU-1, and is now comprised of two sections, only one of which extends into OU-2.
- The Q3 2010 intermediate total PAH plume has been greatly fragmented and is no longer continuous from OU-1 downgradient to the Manatuck Lane oxygen injection line. The plume is currently comprised of three main and three nominal sections with large areas of the Baseline Q1 2009 plume now below 100 ug/L. It is noted that several of these sections have decreased in size from the corresponding Q2 2010 sections.
- The plume has been significantly narrowed in areas where segments of the plume still exist. This narrowing is especially evident from the mid-plume to downgradient areas of the plume.
- Concentrations have been reduced relative to Q1 2009 in OU-2, as evidenced by the reductions in many wells near the OU-1/OU-2 boundary to the mid-plume area, particularly OZMW-18I2 (7,728 ug/L), OU2MW-19I2 (7,147 ug/L), OU2MW-24I (5,796 ug/L), OU2MW-30I (5,175 ug/L), OU2MW-30I2 (6,025 ug/L) and OU2MW-30I3 (5,562 ug/L) to 36 ug/L, 69 ug/L, ND, ND, 13 ug/L and 73 ug/L, respectively. These reductions have resulted in the elimination of the 5,000 ug/L contour in OU-2. Furthermore, as a result of the fragmentation of the plume in Q3 2010, a large section of the mid-plume area is now characterized by concentrations below 100 ug/L in Q3 2010, while in Q1 2009 much of this area was characterized by concentrations exceeding 1,000 ug/L.

The reductions in concentrations, as well as to the extent and composition of the Q3 2010 intermediate total BTEX and total PAH plumes, can be attributed to the treatment systems currently operational throughout the axis of the plume.

Deep Zone

Total BTEX

In the deep portion, below a depth of approximately 50 feet of the upper glacial aquifer zone within OU-1/OU-2, total BTEX concentrations above 100 ug/L are present in three plume sections (**Figure 20**). The first section beginning in the south-central portion of OU-1 reaches a

maximum width of approximately 150 feet before ending at the barrier wall. Total BTEX concentrations in this area ranged up to 1,972 ug/L in BBMW-22D.

In the upgradient section of OU-2, the plume is relatively small and is defined by a single concentration above 100 ug/L at OZMW-18D (186 ug/L). This section begins just downgradient of the barrier wall and continues to approximately 100 feet downgradient of the OU-1/OU-2 boundary.

The downgradient section of the OU-2 deep total BTEX plume is defined by six wells located in four well clusters, and extends approximately 800 feet, beginning downgradient of the 34 North Clinton Avenue oxygen injection line and ending roughly at the Montauk Highway oxygen injection line. The plume is relatively narrow in this area, averaging approximately 150 feet in width, with concentration ranging up to 640 ug/L in well OU2MW-26D. The upgradient and western edge of section of the plume, which includes the area around OU2MW-26D, OU2MW-55I (156 ug/L) and OU2MW-55I2 (100 ug/L), will be addressed with the oxygen injection line planned for the 29 Community Road property.

Differences between the current deep total BTEX plume and the corresponding Baseline Q1 2009 plume are as follows (see **Figure 20**):

- The deep total BTEX plume is better defined in OU-1 as a result of the installation of new monitoring wells throughout OU-1.
- The plume is no longer continuous; it has been separated into three segments.
- Concentrations within the downgradient area of the plume have been reduced, as evidenced by the reduction of the 500 ug/L contour. In Q1 2009, two wells, OU2MW-19D and OU2MW-47D had concentrations above 500 ug/L, while in Q3 2010 concentrations exceeding 500 ug/L were limited to OU2MW-26D (640 ug/L).
- The plume is better defined in the mid-plume area as a result of additional well installations in the area including OU2MW-27D, OU2MW-42D, OU2MW-43D OU2MW-55D and OU2MW-56D.

Total PAH

In the deep portion, below a depth of approximately 50 feet of the upper glacial aquifer zone within OU-1/OU-2, total PAH concentrations above 100 ug/L are present in four plume sections. The fragmentation of the deep total PAH plume in Q3 2010 marks the first separation of the plume in the historical monitoring period (**Figure 21**). The first section, beginning in the south-central portion of OU-1, reaches a maximum width of approximately 150 feet before ending at the barrier wall. Concentrations in this section of the plume range up to 5,276 ug/L in BBMW-22D. The second section of the plume in OU-1 is defined by the concentration in a single well, OZMW-19D, with a concentration of 245 ug/L.

Downgradient in OU-2, two sections of the plume are present. The first section begins just downgradient of the barrier wall and continues to approximately 250 feet downgradient of the OU-1/OU-2 boundary, averaging less than 100 feet in width. This section of the plume is defined by concentrations above 100 ug/L in two wells, OZMW-18D and BBMW-01D with total PAH concentrations of 890 ug/L and 135 ug/L, respectively. The second section of the plume in OU-2 begins downgradient of the 34 North Clinton Avenue oxygen injection line, in the area of OU2MW-26D, and continues to the Montauk Highway oxygen injection line where it is eliminated. This section of the total PAH plume roughly corresponds to the deep total BTEX plume in the area, but is generally characterized by higher concentrations. Similar to total BTEX, concentrations in the area above 100 ug/L were limited to four well clusters with two concentrations identified above 1,000 ug/L, OU2MW-26D (3,291 ug/L) and OU2MW-30D2 (2,312 ug/L).

Differences between the current deep total PAH plume and the corresponding Baseline Q1 2009 plume are as follows (see **Figure 21**):

- The deep total PAH plume is better defined in OU-1 as a result of the installation of new monitoring wells throughout OU-1. These include OZMW-19D, located to the east of the barrier wall in OU-1, where the Q3 2010 concentration (245 ug/L) exceeded 100 ug/L.
- The plume is no longer continuous; it has been separated into four segments.
- The plume has shifted slightly to the east in the area between Union Boulevard and South Union Street, as a result of an increase in concentration between Q1 2009 (68 ug/L) and Q3 2010 (135 ug/L) at BBMW-01D and an increase at OZMW-18D between Q1 2009 (435 ug/L) and Q3 2010 (890 ug/L). Concentrations in these wells have increased, but are both within the historical concentration range.
- The plume has been eliminated in the area of the Cooper Lane oxygen injection line as a result of a decrease in well OU2MW-19D (ND in Q3 2010), as well as additional well installations in the area including OU2MW-42D and OU2MW-43D resulting in refinement of the plume outline in the area. Decreases in both of these wells have been noted since the start-up of the oxygen injection lines at Cooper Lane and 33 North Clinton Avenue.
- The plume has been narrowed and better defined in the area downgradient of the 34 North Clinton Avenue oxygen injection line as result of decreases in wells BBMW-24D and OU2MW-47D, as well as new well installations in the area. These wells include OU2MW-27D, OU2MW-55D and OU2MW-56D.
- The internal configuration of the plume has also changed between Q1 2009 and Q3 2010. In Q1 2009, the 5,000 ug/L contour extended from OU-1 downgradient to the area between the 34 North Clinton Avenue and 9 North Clinton Avenue oxygen injection lines, while in Q3 2010, only the concentration at well BBMW-22D (5,276 ug/L), located in the central section of OU-1, exceeded 5,000 ug/L. Furthermore, the

1,000 ug/L contour which extended from OU-1 to Montauk Highway in Q1 2009 has been reduced and is isolated to the area around two downgradient wells OU2MW-26D (3,291 ug/L) and OU2MW-30D2 (2,312 ug/L).

The changes to the plume, including reductions in concentration, fragmentation and overall decrease in size of the plume, can likely be attributed to the oxygen injection lines at Cooper Lane, 9 North Clinton Avenue and 34 North Clinton Avenue.

4.2 Operable Unit 3

A summary of the remedial activities conducted in OU-3 is provided in Sections 1 and 2 of this report. In addition to the ongoing oxygen injection groundwater treatment system IRMs discussed in Section 2.5, the OU-3 Long Island Rail Road (LIRR) Excavation/Temporary Track Relocation IRM (Phases 1 and 2) was initiated in Q4 2009 and completed by Q2 2010. Additionally, the LIRR Excavation IRM, Phase 3 (Brightwaters Yard) was conducted during Q3 2010 and completed in September 2010. These excavation activities involved the removal of approximately 1,475 tons of soil, potential impacted soil, from the Brightwaters Yard in OU-3.

It is expected that the removal of potential source material from the area of the LIRR tracks and the Brightwaters Yard will result in decreasing constituent trends in groundwater. These effects will take time to become apparent in downgradient wells. This is partly a function of groundwater flow travel times. To provide a degree of perspective, groundwater from the northern area of excavation in the Brightwaters Yard could take approximately one year to reach Union Boulevard, with an estimated groundwater flow velocity of one ft/day. Additionally, a soil and groundwater investigation is being conducted in Q4 2010 on a property immediately south of the LIRR tracks and IRM excavation areas to assess the potential for the presence of residual impacted soil, which may be impacting groundwater quality data in this area. These impacts may be associated with potential source material and sorption onto fine-grained sediment grains in this downgradient area.

Concentration increases in groundwater were observed during Q3 2010 in wells located in the immediate vicinity and downgradient of the former OU-3 Union Boulevard oxygen injection line. These increases were observed mostly in the shallow zone (total PAHs only) and in the intermediate zone for BTEX and total PAHs. These increases may be due, in part, to seasonal fluctuations of the water table and potential residual impacts soil to the south of the LIRR tracks, as described above, in addition to the recent installation of the Community Road oxygen injection line, installed during Q2 2010. The remedial affects of this system, associated with the distribution of oxygen into the groundwater system, may not have reached some of the wells in the shallow zones, particularly in wells downgradient of the former Union Boulevard oxygen injection system, with elevated constituents detected during Q3 2010.

4.2.1 Total BTEX and Total PAH Composite Plume

In comparison to the composite Baseline Q1 2009 Plume, the composite Q3 2010 plume has slightly decreased in size (**Figure 1**). It is noted that groundwater monitoring wells in the vicinity immediately upgradient of the LIRR tracks were abandoned as part of the excavation activities conducted during the IRMs identified above. The replacement groundwater monitoring well network is scheduled to be installed during Q4 2010. The replacement wells will be developed and sampled immediately after installation.

In Q1 2009 groundwater concentrations exceeding 100 ug/L were limited to the shallow groundwater zone. In Q3 2010 concentrations of BTEX and total PAH were detected in the shallow groundwater zone; however, low concentrations of BTEX and total PAH were also detected in the intermediate zone. The BTEX and total PAH groundwater impacts detected in the intermediate zone were limited to three and two wells, respectively. The detections were located in the area immediately south of the LIRR tracks and in the area south of the former Union Boulevard oxygen injection line. With the exception of the BTEX detection at MW-64, located nearest to the LIRR tracks, the detections in the intermediate zone were relatively low (less than 500 ug/L).

Significant changes to the outline of the Q3 2010 composite plume as compared to the Q1 2009 composite plume are noted as follows:

- Any impacted groundwater in the Brightwaters Yard in the area north of the LIRR tracks is largely undefined in Q3 2010, due to the abandonment of monitoring wells in the area in Q3 2009. The abandonment of these wells and the Brightwaters Yard oxygen injection system was conducted in preparation of the OU-3 LIRR Excavation/Temporary Track Relocation IRM.
- In the area south of the LIRR tracks, the main section of the Q3 2010 composite plume is slightly longer in length than the Baseline Q1 2009 composite plume, ending approximately 75 feet farther downgradient. The apparent increase in length of the plume is constituted by the Q3 2010 total BTEX detection in OU3MW-04I (208 ug/L). This well was installed subsequent to the Q1 2009 sampling event and, therefore, the plume was undefined in the area at that time. The Q1 2009 plume length may have extended to the current area of OU3MW-04 cluster, but the well was not installed at this time to have determined that. Detections in this well have generally been sporadic and varied; however, concentrations have decreased between Q2 2010 and Q3 2010.
- The Q3 2010 composite plume is narrower south of the oxygen groundwater treatment system installed in April 2010, in the area of Community Road and Union Boulevard.
- One limited area of impacted groundwater was detected in Q3 2010 in the vicinity of Cooper Lane located near the downgradient edge of the plume. This area of impacts is defined by the BTEX concentration in one monitoring well MWBS-02S (115 ug/L), slightly above the 100 ug/L composite plume outline. Concentrations in this well,

although not present in Q1 2009, have been sporadic and varied. The groundwater impacts detected in Q3 2010 is within the historical concentration range for this well.

Similar to groundwater in OU-1/OU-2, in addition to comparing the iso-concentration maps, a trend analysis of constituent concentrations in groundwater was conducted on two levels: statistical and graphical. The focused period for these trends is the operational period of the oxygen injection lines (both existing and former) in OU-3. The Mann-Kendall statistical methodology described for OU-1/OU-2 was also applied to OU-3.

4.2.2 Current Plume Configuration and Comparison to Baseline Q1 2009 Plume

A description of the current groundwater plume configuration and a comparison of total BTEX and total PAH in the groundwater depth zones between Q1 2009 and Q3 2010 are provided below.

4.2.2.1 Groundwater Horizon Descriptions and Comparisons

Shallow Zone

Total BTEX

As depicted in **Figure 16,** the shallow total BTEX concentrations greater than 100 ug/L in Q3 2010 were primarily detected in the area south of the LIRR tracks, with a less concentrated section in the area south of the oxygen injection system located on Community Road. Concentrations range from non- detected in numerous wells in the southern area, to 50,410 ug/L in monitoring well MW-75, in the northern area.

In comparison to the Baseline Q1 2009 Plume, the extent of BTEX concentrations above 100 ug/L for Q3 2010 is roughly similar in shape, but slightly smaller in size, with the northern end being shorter in length and the southern area being slightly narrower from the area south of the oxygen injection system on Community Road. The northern end is shorter than the corresponding Q1 2009 plume, due to the lack of monitoring wells north of the LIRR tracks with the abandonment of many monitoring wells in the area in Q3 2009 to prepare for excavation in the LIRR right-of-way (ROW) and relocation of the tracks. As summarized in Section 4.2.1, replacement monitoring wells are scheduled to be installed in Q4 2010; therefore, the extent of groundwater impacts in this area will be reevaluated after those wells have been developed and sampled. The southern area is narrower due to reduction in concentrations at wells in the area, particularly MW-45W, and the concentrations detected in monitoring well OU3MW-07, which was recently installed in April 2010. The groundwater concentrations in OU3MW-07 have decreased from a high of 3,461 ug/L in Q1 2010 to below detection limits since its installation. The concentrations in MW-45W decreased from 4,210 ug/L from Q1 2009 to 1 ug/L in to Q3 2010. As noted above, relatively low concentrations of BTEX were detected in MWBS-02S in

Q3 2010, which were not detected in Q1 2009. However, the concentrations in this well have been varied and remain relatively low (115 ug/L in Q3 2010) over time.

Groundwater concentrations between Q1 2009 and Q3 2010 have shown an overall slight increase; however these increases were observed primarily in the monitoring wells immediately south of the LIRR tracks.

Constituent concentrations in the wells in the OU-3 area have varied greatly historically, partly as a function of the seasonal fluctuation of the water table. The Q3 2010 groundwater concentrations were detected within the respective historical concentration ranges. Concentration peaks of the wells in the area roughly correspond to the troughs in groundwater elevation trends, shown on the hydrographs in **Figure 15**. The groundwater elevation troughs and corresponding concentration peaks were identified for several of these wells over the past few years. This correspondence may be related to contamination from the upgradient source material adsorbed onto fine-grained sediments. A soil and groundwater investigation to assess the potential for the presence of residual impacted soil, which may be impacting groundwater quality data in this area, is being conducted in Q4 2010.

The concentrations in wells in the area south of Union Boulevard are comparable between Q1 2009 and Q3 2010, with concentrations in some wells decreasing (MW-45W, MW-70/70S and MW-32WR) and increasing in others (IO-10, MW-34S and MW-46WR). The area of elevated concentrations in the vicinity of Union Boulevard (above 1,000 ug/L); however, has decreased in Q3 2010 in comparison to the Baseline Q1 2009 Plume.

Total PAH

Concentrations of total PAH above 100 ug/L in OU-3 during Q3 2010 are present in the area south of the LIRR tracks and extend to the vicinity of the former OU-3 Union Boulevard oxygen injection line (**Figures 17** and **18**). The shallow total PAH plume is similar in shape to the corresponding total BTEX plume, but is smaller in size with lower concentrations. Concentrations range up to 2,178 ug/L at MW-75; however, this concentration was the only detection of total PAH above 1,000 ug/L in Q3 2010.

In comparison to the Baseline Q1 2009 Plume in the area south of the LIRR tracks, the Q3 2010 plume is larger in size and has slightly higher concentrations than those observed in Q1 2009. In Q1 2009, the area of elevated PAH concentrations (above 500 ug/L) was defined by one well MW-80, (522 ug/L), while in Q3 2010 four wells (MW-75, MW-80, MW-81 and SV-02) had detections above 500 ug/L. Similar to total BTEX, the concentrations in the wells in the area have varied greatly historically. The Q3 2010 concentrations in these wells were within the respective historical concentration ranges with the exception of SV-02, where the concentration

(770 ug/L) was the highest value recorded during the historical monitoring period, but within the same order-of-magnitude as the previous maximum result.

In the area south of Community Road, there were no detections of total PAH above 100 ug/L in Q1 2009, while in Q3 2010 there were three wells with detections above 100 ug/L (MW-46WR, IO-10 and MW-70/70S) with a maximum concentration of 173 ug/L in well MW-46WR. The detections in all of these wells were within their respective historical concentration range.

The fluctuations in total BTEX and total PAH concentrations in wells in the area just south of the LIRR tracks are believed to be, in part, a function of seasonal groundwater fluctuations and potential impacted sediments, as discussed previously.

In Q1 2009, total BTEX and total PAH concentrations greater than 100 ug/L were detected in the southern area of the Brightwaters Yard, just north of the LIRR tracks, which extended to downgradient areas. The groundwater quality in the Brightwaters Yard north of the LIRR tracks will be re-establish during Q4 2010, with the installation of wells to replace those that were abandoned during the IRM excavations. In Q1 2009, the maximum total BTEX and total PAH concentration detected were 59,201 ug/L and 2,797 ug/L, respectively in PDMW-02, which was located north of the LIRR tracks.

Intermediate Zone

Total BTEX

The extent of total BTEX concentrations greater than 100 ug/L in the intermediate zone in Q3 2010 is limited to one well (MW-64, in the area south of the LIRR tracks), and two wells (MW-34I and OU3MW-041) in the area immediately south of Union Boulevard (**Figure 18**). The total PAH concentration in MW-64 is within the historical concentration range for this well, but is the first detection since Q1 2006. The concentrations in the two southern wells (222 ug/L at MW-34I and 208 ug/L at OU3MW-04I) are within their respective historical concentration range, and the concentration in OU3MW-04I is below the Q2 2010 concentration (336 ug/L).

In Q1 2009 there were no detections of total BTEX above 100 ug/L in the intermediate zone. It is noted that that monitoring well OU3MW-04I was installed subsequent to the baseline Q1 2009 sampling event.

Total PAH

The Q3 2010 total PAH plume in the intermediate zone in OU-3 is similar to the corresponding total BTEX plume, but is slightly smaller in size with only two detections, in the same wells above 100 ug/L (MW-64 and MW-34I). The concentrations in these wells are also within the

respective historical concentration range and, while the total PAH concentration in MW-34I (247 ug/L) is similar to the total BTEX concentration in this well, the corresponding total PAH concentration is much lower in MW-64 (284 ug/L).

Similar to total BTEX detections in the intermediate zone, there were no total PAH detections in Q1 2009.

Changes to the groundwater concentrations for total BTEX and total PAH described above are supported in the graphical and statistical presentations. The time series plots display the graphical analytical results and are provided for wells located downgradient of the oxygen injection systems in **Figure 11** and the complete set of graphs is provided in **Appendix E**. The statistical analytical trends for total BTEX and total PAH in OU-3 are provided in **Tables 4-20** and **4-21,** respectively.

4.3 Operable Unit 4

The injection phase of the OU-4 Cesspool Area S-ISCO IRM was initiated in Q2 2009 (April 30, 2009) and was completed in Q4 2009 (December 3, 2009). Therefore, a comparison between the Q1 2009 and Q3 2010 data as stated above provides a useful evaluation of the effectiveness of this remedy to date. Several wells in OU-4 (WCMW-11S, I, and D, and WCMW-17S, I, and I2) were not sampled in Q1 2009 but were sampled in April 2009, prior to the initiation of S-ISCO injection. For these wells the April 2009 pre S-ISCO data was used in the development of the Baseline Q1 2009 iso-concentration maps. A summary of the remedial efforts for OU-4 is provided in Sections 1 and 2 of this report.

4.3.1 Total BTEX and Total PAH Composite Plume

In comparison to the OU-4 composite Baseline Q1 2009 Plume, the OU-4 composite Q3 2010 plume has increased in size (see **Figure 1**). Significant changes to the overall outline of the Q3 2010 area of impacted groundwater from the Q1 2009 depiction are noted as follows:

- The plume area in the OU-4 Cesspool Area in Q3 2010 after the completion of the S-ISCO injection phase is larger than the impacted groundwater area in Q1 2009 prior to initiation of S-ISCO injection. This may be due in part to additional monitoring wells installed after Q1 2009. The plume in Q1 2009 encompassed monitoring well cluster locations WCMW-03, WCMW-05, WCMW-11 and WCMW-17 in the south-central portion of the Cesspool Area. In Q3 2010, the extent of groundwater impacts are defined by monitoring well clusters WCMW-01, WCMW-03, WCMW-04, WCMW-11, WCMW-14, WCMW-17, WCMW-24, WCMW-26, WCMW-27, WCMW-28, and WCMW-29. It is noted that monitoring well clusters WCMW-24, WCMW-26, WCMW-27, WCMW-28 and WCMW-29 were not installed prior to S-ISCO injections.

Similar to OU-1/OU-2 and OU-3, in addition to comparing the iso-concentration maps, trend analysis of constituent concentrations for groundwater monitoring wells was conducted on two levels: statistical and graphical. The Mann-Kendall statistical methodology described for OU-1/OU-2 and OU-3 was also applied to OU-4.

4.3.2 Current Plume Configuration and Comparison to Baseline Q1 2009 Plume

As illustrated in **Figures 16, 18** and **20,** concentrations of total BTEX above 100 ug/L were not present in the shallow, intermediate or deep groundwater zone in OU-4. Therefore, the evaluation of groundwater quality for OU-4 will focus on PAH concentrations. Note that PAHs are the primary contaminants of concern (COC) for OU-4. The groundwater samples are analyzed for total semi-volatile organic compounds (SVOCs) but, most of the analytes detected in groundwater are PAHs, a subset of SVOCs. **Figures 17, 19** and **21** illustrate that concentrations of PAHs above 100 ug/L were present in the shallow and intermediate groundwater zones but were not detected in the deep groundwater zone. A comparison of total PAH groundwater concentrations in the shallow and intermediate zones between Q1 2009 and Q3 2010 is provided below. The total PAH concentration detected in each of the wells in Q1 2009 and Q3 2010 is presented in **Table 4-23** and the monitoring well locations are provided in **Figure 1**.

As depicted in **Figure 17,** the area of total PAH concentrations greater than 100 ug/L in water table wells in Q3 2010 begins on the north side of Oak Street at WCMW-27S and WCMW-28S (total PAH concentrations of 708 ug/L and 396 ug/L, respectively), and extends to the northern portion of the LIRR property at WCMW-04S (total PAH concentration of 251 ug/L). The total PAH concentration detected in WCMW-29S (2,391 ug/L), which was installed in Q3 2010 in the central portion of the S-ISCO treatment area, was the highest total PAH concentration detected in the OU-4 water table wells in Q3 2010.

Comparison of the total PAH distribution in water table wells in Q1 2009 to Q3 2010 is difficult due to the different wells sampled in each of the sampling rounds. Prior to S-ISCO injection three water table wells had reported groundwater concentrations of total PAH above 100 ug/L (WCMW-03S, WCMW-11S and WCMW-17S). In Q3 2010, 10 water table wells had reported groundwater concentrations of total PAH above 100 ug/L (WCMW-01S, WCMW-03S, WCMW-04S, WCMW-11S, WCMW-17S, WCMW-24S, WCMW-26S, WCMW-27S, WCMW-28S and WCMW-29S). Upgradient wells WCMW-27S and WCMW-28S and wells WCMW-24S, WVMW-26S and WCMW-29S located within the S-ISCO treatment area on the 22 Oak Street property were not installed prior to S-ISCO injection. However, the extent of PAH concentrations in exceedance of 100 ug/L in the S-ISCO treatment area appears to have expanded slightly to the north toward WCMW-16S, where the Q3 2010 concentration (43 ug/L) was below 100 ug/L, having been above 100 ug/L the previous three quarters reaching a

maximum of 2,259 ug/L in Q1 2010. The extent of PAH concentrations also appears to have expanded to the south (WCMW-04S) from the Q1 2009 to the Q3 2010 sampling round.

Figure 19 illustrates the total PAH concentrations greater than 100 ug/L present in intermediate zone wells in Q1 2009 and Q3 2010. The extent and magnitude of PAH impacts in intermediate zone wells increased from Q1 2009 to Q3 2010. The extent of total PAH concentrations greater than 100 ug/L in wells screened in the intermediate zone in Q3 2010 is present in two areas, the first is defined by a single well WCMW-17I (394 ug/L), located in the central portion of the Cesspool Area, north of the LIRR, and the second begins in the area of WCMW-03I (1,213 ug/L) extending southward across the LIRR to well WCMW-14I (149 ug/L). These three wells were installed and/or sampled prior to S-ISCO injection. Total PAH in groundwater detected at a concentration greater than 100 ug/L in intermediate zone wells in Q1 2009 was limited to the southeastern portion of the Cesspool Area, north of the LIRR at wells WCMW-03I, WCMW-05I and WCMW-17I. Total PAH concentrations in monitoring wells WCMW-03I, WCMW-14I and WCMW-17I have increased from 142 ug/L, 2 ug/L and 292 ug/L in Q1 2009 to 1,213 ug/L, 149 ug/L and 394 ug/L, respectively, in Q3 2010. The concentration in WCMW-05I decreased from 170 ug/L in Q1 2009 to 43 ug/L in Q3 2010, slightly decreasing the size of the plume in the area.

Changes to the concentrations of total PAH in groundwater described above are consistent with the graphical and statistical analysis which also indicates fluctuations in PAH concentrations. The time series plots that depict the graphical analytical results are provided in **Appendix E**. The statistical analyses of total PAH concentrations in groundwater in OU-4 are provided in **Table 4-25**.

In general, the time series plots for total PAH concentrations in groundwater presented in **Appendix E** for OU-4 illustrate fluctuations in PAH concentrations within the historical range and/or an increase in total PAH concentrations since the start of S-SICO injections in April 2009. The statistical trend analysis presented in **Table 4-25** for PAHs in groundwater within OU-4 indicates an increasing trend in 10 monitoring wells (WCMW-05S, WCMW-14S, WCMW-14I, WCMW-14I2, WCMW-16S, WCMW-16I, WCMW-16I2, WCMW-17S, WCMW-17I2 and WCMW-24I), a decreasing trend in three monitoring wells, WCMW-03I2, WCMW-04I and WCMW-11S, and no trend in the remaining 34 monitoring wells. The time series plots and the statistical analysis are generally consistent in indications of increasing trends. The trend analysis for OU-4 is complicated due to the implementation of various remediation activities (the Cesspool Area IRM excavation was implemented in Q4 2005 and S-ISCO injections were implemented in Q2 2009) and installation of new wells with limited data points. Trend analyses will continue to be conducted on groundwater data collected from OU-4 in quarterly groundwater monitoring reports. This trend analysis will aid in the evaluation of the effectiveness of S-ISCO treatment and the determination if additional treatment is required.

5. 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 constituents of concern (COC) 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) 2010 soil vapor and ambient air data are provided in the following tables and appendix.

- **Table 5-1 - Analytical Soil Vapor Results** – presents the historical soil vapor data from all permanent soil vapor points as well as the soil vapor data from 54 samples, including four duplicates, collected during Q3 2010.
- **Table 5-2 - Analytical Ambient Air Results** – presents historic concentrations and data from 20 ambient air samples collected from 10 monitoring locations during Q3 2010.
- **Appendix H - Soil Vapor Analytical Results** – contains historic graphs of the soil vapor concentrations of all analytes detected at any soil vapor point, as well as benzene, toluene, ethylbenzene and xylene (BTEX)-only historic plots. The periods when an associated treatment system or Surfactant Enhanced In-situ Chemical Oxidation (S-ISCO) was in operation are identified on each graph.

5.1 Soil Vapor and Ambient Air Sampling – OU-1

5.1.1 Overview

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

5.1.2 Sampling Scope and Location Summary

Three samples were collected from three "OU1" series soil vapor points (OU1SG-06, OU1SG-07, and OU1SG-09) in Q3 2010. Ten samples (including one duplicate sample) were collected from the three "OZSV" series soil vapor points. Soil vapor sampling at points OZSV-01 through OZSV-03 was initiated on a daily basis immediately prior to ozone startup in Q4 2009 and was phased to weekly and then to monthly sampling during Q1, Q2 and Q3 2010. Additionally, 15 ambient air samples were collected from five locations (OZAA-06 through OZAA-10) in Q3 2010.

The soil vapor and ambient locations represent the distinct areas as described below.

Soil Vapor/Ambient Air Sample Areas	Soil Vapor/Ambient Sample IDs
Upgradient of Operable Unit No. 1	OU1SG-06, OU1SG-07, OU1SG-08, OU1SG-09
Upgradient of OU-1 Ozone Injection System and Oxygen Injection Line	OZSG-04[1], OZSG-05[1]; Ambient Air OZAA-10, Ambient Air OZAA-09, Ambient Air OZAA-08
Downgradient of OU-1 Ozone Injection System and Oxygen Injection Line/Upgradient of 33 North Clinton/Cooper Lane Injection Line	OZSG-01[1]/OZSV-01, OZSG-02[1]/OZSV-02, OZSG-03[1]/OZSV-03, OU2SG-14, OU2SG-15, Ambient Air OZAA-06, Ambient Air OZAA-07

Note:

1. OZSG01-OZSG05 were destroyed during the installation of the barrier wall on OU-1 and construction of the groundwater treatment building. The points had been collected as temporary points through Q3 2009. Soil vapor points OZSG-01, OZSG-02, and OZSG-03 were replaced with permanent points OZSV-01, OZSV-02, and OZSV-03 in Q4 2009.

5.1.3 Soil Vapor Sampling Data

Soil vapor concentrations in OU-1 have varied greatly between Q1 2008 and Q3 2010 – before the OU-1 oxygen injection system was installed and after the system was in operation; although, there were no significant changes to the concentrations in soil vapor following startup of the ozone system in October 2009. The variations have occurred in the areas downgradient and upgradient of the OU-1 oxygen injection line. It should be noted that variations also occurred in the ambient air locations upgradient of the ozone injection system. During Q3 2010, the concentrations detected at each soil vapor point were generally consistent with reported concentrations during the previous quarter, Q2 2010, with the exception of:

- OU1SG-09 – Carbon disulfide increased from 170 micrograms per cubic meter of air ($ug/m^{3)}$ to 440 ug/m^3.

Concentrations at OZ locations in OU-1 remained similar to previous sampling events with two exceptions:

- OZSV-01 – The concentration of ethanol and 2-propanol in the sample collected on August 30, 2010, was higher than previous sampling; however, the concentration

returned to extremely low levels the following sampling event and it is assumed that the large concentration was an anomaly.

5.1.4 Ambient Air Sampling Data

Ambient air concentrations in OU-1 have not varied significantly from quarter to quarter with the exception of:

- OZAA-9 – toluene was measure at an unusually high level of 53 ug/m^3 on August 30, 2010 and has since subsided to 0.64 ug/m^3 on September 16, 2010. Other compounds were elevated in the August 30, 2010 sample such as acetone (59 ug/m^3), n-decane (100 ug/m^3), n-dodecane (78 ug/m^3), n-octane (65 ug/m^3), and n-undecane (47 ug/m^3). All of these compounds were either significantly decreased in the September 16, 2010 sample or were not detected, and were likely anomalous measurements.

Frequent detections (compounds detected in more than 30% of samples collected) have been limited to low concentrations of 22 volatile organic compounds (VOCs): benzene, toluene, ethylbenzene, m,p-xylene, o-xylene, acetaldehyde, acetone, butane, 2-butanone, carbon tetrachloride, chloromethane, dichlorodifluoromethane, ethanol, n-heptane, n-hexane, methylene chloride, pentane, 2-propanol, 1,1,2-trichloro-1,2,2-trifluoroethane, trichlorofluoromethane, 1,2,4-trimethylbenzene, 2,2,4-trimethylpentane.

5.2 Soil Vapor and Ambient Air Sampling – OU-2 and OU-3

5.2.1 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 seven oxygen injection systems located within OU-2 and one system located in OU-3.

5.2.2 Sampling Scope and Location Summary

Thirty-six samples (including three duplicate samples) were collected from 33 soil vapor locations in OU-2 and five samples were collected from five ambient air locations in Q3 2010. Additionally, one sample was collected from soil vapor location OU3SG-01 in Q3 2010. 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 North Clinton/Cooper Lane Injection Line	OZSG-01, OZSG-02, OZSG-03, OU2SG-14, OU2SG-15[2]
Downgradient of 33 North Clinton Avenue Injection Line/Upgradient of 9 North Clinton Avenue Injection Line	OU2SG-32, OU2SG-20, OU2SG-31, OU2SG-19, OU2SG-28, OU2SG-21
Upgradient of 34 North Clinton Avenue Injection Line	OU2SG-16, OU2SG-17, OU2SG-18,
Downgradient of 34 North Clinton Avenue Injection Line/Upgradient of 9 North Clinton Avenue Injection Line	OU2SG-12, OU2SG-22, OU2SG-23, OU2SG-38, OU2SG-39, Ambient Air OU2AA-04
Downgradient of 9 North Clinton Avenue Injection Line/Upgradient of Montauk Highway Injection Line	OU2SG-24, OU2SG-25, OU2SG-26, OU2SG-27, OU2SG-29, OU2SG-30, OU2SG-06, Ambient Air OU2AA-05
Upgradient of the Montauk Highway Oxygen Injection Line	OU2SG-24, OU2SG-25, OU2SG-26, OU2SG-29, OU2SG-30, OU2SG-06, Ambient Air OU2AA-05
Downgradient of the Montauk Highway Injection Line/Upgradient of Manatuck Lane Injection Line	OU2SG-03, OU2SG-04, OU2SG-05, OU2SG-10, OU2SG-01, OU2SG-02, OU2SG-07 Ambient Air OU2AA-01 and OU2AA-02
Downgradient of the Manatuck Lane Injection Line	OU2SG-08, OU2SG-09 Ambient Air OU2AA-03
Sidegradient of the Manatuck Lane Injection Line along Garner Lane	OU2SG-13[3]
Downgradient of the Cooper Lane Injection Line along Cooper Lane	OU2SG-33, OU2SG-34, OU2SG-35
Downgradient of the Former Brightwaters Yard Injection System and Upgradient of the Community Road Oxygen Injection Line and Former Union Boulevard Oxygen Injection System	OU3SG-01

Notes:

[2] Previously referenced in Section 5.1 as the data is applicable to both OU-1 and OU-2.

[3] OU2SG-13 was damaged during Q2 2007 and was replaced prior to the Q3 2007 sampling event.

5.2.3 Soil Vapor Sampling Data

Soil vapor concentrations in OU-2 and OU-3 have varied significantly between 2005 and Q3 2010. The variations in concentrations have occurred both before the systems were installed and

after the systems were in operation, and have 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 2010, the concentrations detected at each soil vapor point were generally consistent with previous sampling events with some exceptions:

- OU2SG-12 – Tetrachloroethene decreased from 48 ug/m^3 to 9.4 ug/m^3 between Q2 2010 to Q3 2010.
- OU2SG-18 – n-dodecane decreased from 120 ug/m^3 to 1.1 ug/m^3 between Q2 2010 to Q3 2010
- OU2SG-21 – Carbon disulfide decreased from 34 ug/m^3 to 2.8 ug/m^3 between Q2 2010 and Q3 2010.
- OU2SG-29 – During Q2 2010, concentrations for total xylenes (176 ug/m^3), n-decane (220 ug/m^3), nonane (210 ug/m^3), and n-undecane (120 ug/m^3) were high when compared to previous sampling events and were thought to be anomalous. During Q3 2010, the concentrations reduced to the typical, low values. Therefore, it is likely that the Q2 2010 concentrations were anomalous.
- OU2SG-33 – Butane, acetone, cyclohexane, pentane, 2-propanol, and n-hexane remained elevated during Q2 2010 and Q3 2010. Toluene has decreased from 120 ug/m^3 to 24 ug/m^3 between Q2 2010 and Q3 2010.
- OU2SG-35 – n-decane decreased from 210 ug/m^3 to 2.3 ug/m^3, n-dodecane decreased from 290 ug/m^3 to 3.2 ug/m^3, and n-undecane decreased from 410 ug/m^3 to 4.6 ug/m^3 between Q2 2010 to Q3 2010.

5.2.4 Ambient Air Sampling Data

Ambient air concentrations in OU-2 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 21 VOCs: benzene, toluene, ethylbenzene, m,p-xylene, o-xylene, acetaldehyde, acetone, butane, 2-butanone, carbon tetrachloride, chloromethane, dichlorodifluoromethane, ethanol, n-heptane, n-hexane, methylene chloride, pentane, 2-propanol, 1,1,2-trichloro-1,2,2-trifluoroethane, trichlorofluoromethane, and 2,2,4-trimethylpentane.

5.3 Soil Vapor Sampling – OU-4

5.3.1 Overview

Eight soil vapor points were installed in OU-4 during Q2 2009 to monitor soil vapor during the S-ISCO injection program. Soil vapor sampling at the four primary points (OU4SV-1 through OU4SV-4) was initiated on a daily basis immediately following S-ISCO startup in Q2 2009 and was phased to weekly, and then to monthly sampling. The S-ISCO injection ended on December 3, 2009. Sampling of OU4SV-1 through OU4SV-4 has continued on a quarterly basis.

5.3.2 Sampling Scope and Location Summary

Four samples were collected from soil vapor locations (OU4SV-1 through OU4SV-4) in Q3 2010. 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-4
Northeast of the S-ISCO injection area	OU4SV-5
Northern portion of the S-ISCO injection area, downgradient of injection well IW-13, and sidegradient of injection well IW-14	OU4SV-8
Northern portion of the S-ISCO treatment area, downgradient of the injection wells IW-1, IW-2, IW-10 and IW-11	OU4SV-6, OU4SV-7

5.3.3 Soil Vapor Sampling Data

Soil vapor concentrations in OU-4 have varied greatly between Q1 2009 and Q3 2010 at all locations monitored. The sampling of the OU-4 soil vapor points began in Q1 2009, shortly before the S-ISCO injection began on April 30, 2009. Variations in concentrations have occurred at all soil vapor points which are downgradient of the injection. During Q3 2010, concentrations were within the range of past values; however, there were some increases in Q3 2010.

- OU4SV-3 – butane increased from 370 ug/m^3 in Q2 2010 to 6700 ug/m^3 in Q3 2010. Benzene increased from 7.0 ug/m^3 in Q2 2010 to 160 ug/m^3 in Q3 2010 2010. However, both of these concentrations are within historic levels.

5.4 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 in the table 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
7/27/2010	7/21/2010 7/23/2010 7/25/2010	0.22 0.09 0.92	July 2010 was a wetter than average month 3.37 in. recorded (normal 2.93 in.)
8/30/2010	8/23/2010 8/24/2010 --	0.21 0.18 --	August 2010 was a dryer than average month 2.31 in. recorded (normal 4.48 in.)
9/9/2010 9/10/2010 9/16/2010 9/18/2010 9/20/2010 9/21/2010 9/22/2010	9/3/2010 -- 9/16/2010 9/17/2010 -- -- 9/22/2010	0.29 -- 0.44 0.24 -- -- 0.07	September 2010 was a dryer than average month 2.11 in. recorded (normal 3.39 in.)

5.5 Future Plans

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

References

Dvirka and Bartilucci Consulting Engineers, 2002. *Bay Shore/Brightwaters Former Manufactured Gas Plant Site, Remedial Investigation Report,* April 2002.

Dvirka and Bartilucci Consulting Engineers, 2003. *Bay Shore/Brightwaters Former Manufactured Gas Plant Site, Final Remedial Investigation Report*, January 2003.

Foster Wheeler Environmental Corporation, 2000. Interim Remedial Measure (IRM) Investigation Report, Brightwaters Yard Groundwater Plume, Bay Shore/Brightwaters Former MGP Site, May 2000.

Foster Wheeler Environmental Corporation, 2002. *Final Summary Report for Crum's Brook Restoration, Area C Interim Remedial Measure in Town of Islip, New York*, November 2002.

GEI Consultants, Inc. 2004a. *Interim Remedial Measure Work Plan, Bay Shore Former Manufactured Gas Plant Site, Operable Unit No. 4 Former Cesspool Area, Bay Shore, New York*, April 20, 2004.

GEI Consultants, Inc. 2005. *Draft ISCO Pilot Test Summary Report, Bay Shore Former MGP Site, Bay Shore, New York, AOC Index No. D1-0001-98-11*, April 18, 2005.

GEI Consultants, Inc. 2006a. *Interim Remedial Measure Work Plan, Bay Shore Former MGP Site, Operable Unit No. 4 – Former Pond Area, Bay Shore, New York, AOC Index No. D1-0001-98-11*, April 2006.

GEI Consultants, Inc. 2006c. *IRM Summary Report – Oxygen Injection System Installation, Bay Shore Former MGP Site, Operable Unit No. 2, Bay Shore, New York, AOC Index No. D1-0001-98-11*, October 19, 2006.

GEI Consultants, Inc. 2007a. *Surfactant Enhanced In-Situ Chemical Oxidation Pilot Test Report, Operable Unit No. 1 Bay Shore, New York, AOC Index No. D1-0001-98-11*, October, 2007.

GEI Consultants, Inc. 2007b. *Permanent Soil Vapor Point Installation Final Work Plan, Operable Unit No. 2 (OU-2) and Operable Unit No. 3 (OU-3), Bay Shore/Brightwaters Former Manufactured Gas Plant Site*, January 31, 2007.

Gilbert, R.O., 1987. *Statistical methods for environmental pollution monitoring.* Van Nostrand Reinhold, New York.

GEI Consultants, Inc. 2008. *Operable Unit No. 2 (OU-2), Bay Shore/Brightwaters Former MGP Site # 1-52-172,* September 2008.

NYSDEC, 2008. *Voluntary Cleanup Program Decision Document, KeySpan/National Grid – Former Bay Shore/Brightwaters MGP Site, Operable Unit 2: MGP Off-Site Plume, Bay Shore (V), Suffolk County, New York, Site No. 1-52-172.* July 2008.

Paulus, Sokolowski and Sartor Engineering, PC, 2004. *Draft Supplemental Interim Remedial Measure (IRM) Completion Report for the Bay Shore/Brightwaters Former Manufactured Gas Plant (MGP) Site – Operable Unit No. 3, Brightwaters Yard,* December 2004.

VeruTEK Technologies, Inc., 2008. *Surfactant Enhanced In-Situ Chemical Oxidation Work Plan, Bay Shore Former MGP Site, Operable Unit No. 4 Cesspool,* February, 2008.

Tables (compact disk only)

Tables also available at www.bayshoreworksmgp.com

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	Event Description
	Initial	Final	(Gallons)	
9/14/2005	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	Event Description
	Initial	Final	(Gallons)	
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
No Recovery Operations Q4 2009				
1/11/2010	10.0	5.7	6.32	Scheduled Operation 65
2/5/2010	7.4	7.4	0.00	Scheduled Operation 66
2/18/2010	7.0	4.0	4.41	Scheduled Operation 67
3/9/2010	7.5	4.0	5.14	Scheduled Operation 68
4/1/2010	7.0	4.0	4.41	Scheduled Operation 69
4/23/2010	6.9	4.9	2.94	Scheduled Operation 70
5/12/2010	7.0	5.0	2.94	Scheduled Operation 71
6/4/2010	8.1	5.1	4.41	Scheduled Operation 72
6/24/2010	8.6	5.1	5.14	Scheduled Operation 73
7/12/2010	8.5	5.5	4.41	Scheduled Operation 74
8/3/2010	8.5	5.0	5.14	Scheduled Operation 75
8/27/2010	8.5	5.8	4.04	Scheduled Operation 76
9/14/2010	8.5	5.5	4.41	Scheduled Operation 77
		Total	**357.04**	

Notes:

DNAPL measurements were made using a dedicated tape. The smear of DNAPL on the tape is measured to determine DNAPL thickness.

Total volume calculated by multiplying the thickness by the cross-sectional area of the well. This is an estimate of the minimum volume removed.

DNAPL recovery operations were suspended during Q4 2009 due to construction activity on the site.

DNAPL recovery did not occur on February 5, 2010 due to pump failure from weather-related freezing.

Table 2-2
Summary of Measured NAPL 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
Well I.D.:																
								NAPL Thickness (ft)								
RW - 01																
DTW:	9.2'															
LNAPL:	NM	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:	3'															
BBRW - 01R																
DTW:	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
DNAPL:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
RW - 02																
DTW:	NM	NM	NM	Cover	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	4.5'	NM
LNAPL:	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'
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'
LNAPL:	NM	NM	NM	NM	NM	NM	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*
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'
LNAPL:	NO*	NO*	NO*	NM	NO*	NM	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*
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'
LNAPL:	NM	NO*	NO*	NM	NM	NM	NM	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*
BBMW - 05D																
DTW:	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
DNAPL:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBRW - 06																
DTW:	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
DNAPL:	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
LNAPL:	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
BBMW - 22D																
DTW:	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
DNAPL:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM

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

Gauging Date	6/22/2007	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
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
DNAPL:																
BBRW - 01R																
DTW:	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
DNAPL:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
RW - 02																
DTW:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NO*	NM
LNAPL:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NO*	NM
DNAPL:	6.4'	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'
RW - 03																
DTW:	6.8'	6.7'	7.0'			7.2'							7.3'	7.4'	7.1'	7.6'
LNAPL:	NO*	NO*	NO*	NO ACCESS	NO ACCESS	NO*	NO ACCESS	NO ACCESS	NO ACCESS	NO ACCESS	NO ACCESS	NO ACCESS	NO*	NO*	NO*	NO*
DNAPL:	NO*	NO*	NO*			NO*							NO*	NO*	NO*	NO*
RW - 04																
DTW:	10.1'	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'
LNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	NO*	NO*	NO*	0.1'	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
RW - 05																
DTW:	8.5'	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'
LNAPL:	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*
BBMW - 05D																
DTW:	NM	NM	NM		11.2'	11.2'	11.1'	11.3'	11.1'	11.4'	11.6'	11.7'	11.8'	11.9'	11.8'	11.8'
LNAPL:	NM	NM	NM	NO ACCESS	<0.1'	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	NM	NM	NM		NO*	<0.1'	<0.1'	<0.1'	<0.1	<0.1'	NO*	NO*	NO*	NO*	NO*	NO*
BBRW - 06																
DTW:	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
DNAPL:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW - 20D																
DTW:	NM	NM	NM								10.1'					
LNAPL:	NM	NM	NM	NO ACCESS	NO ACCESS	NO ACCESS	NO ACCESS	NO ACCESS	NO ACCESS	NO ACCESS	NO*	NO ACCESS	NO ACCESS	NO ACCESS	NO ACCESS	NO ACCESS
DNAPL:	NM	NM	NM								NO*					
BBMW - 22D																
DTW:	NM	NM	NM	10.2'	10.0'	10.0'	9.9'	10.1'	9.9'	10.2'	10.4'	NO*	NO*	NO*	NO*	NM
LNAPL:	NM	NM	NM	NO*	NO*	NO*	NO*	NO*	NO*	NM	NO*	NO*	NO*	NO*	NO*	NM
DNAPL:	NM	NM	NM	5.5'	5.3'	5'	3'	5.5'	5.5'	6'	3'	5.0'	5.2'	6.0'	5.0'	6.1'

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

Gauging Date	10/26/2007	10/31/2007	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
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
DNAPL:																
BBRW - 01R																
DTW:	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
DNAPL:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
RW - 02																
DTW:	NM	NM	NM	NM	NM	NO*	NO*	NM	NM	NM	NM	NM	NM	NM	NM	NM
LNAPL:	NM	NM	NM	NM	NM	NO*	NO*	NM	NM	NM	NM	NM	NM	NM	NM	NM
DNAPL:	7.0'	6.6'	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'
RW - 03																
DTW:	7.4'	7.4'	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'
LNAPL:	NO*	NO*		NM	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	NO*	NO*		NM	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
RW - 04																
DTW:	10.7200	10.7'	10.6'	NM	10.8'	10.6'	NM	10.1'	10.8'	10.2'	9.9'	9.9700	9.9'	10.1'	9.8'	9.1'
LNAPL:	NO*	NO*	NM	NM	NO*	NO*	NM	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	NO*	NO*	NM	NM	NO*	NO*	NM	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
RW - 05																
DTW:	9.2'	9.15'	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'
LNAPL:	NO*	NO*	NM	NM	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	NO*	NO*	NM	NM	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
BBMW - 05D																
DTW:	11.9200	11.8'	11.9'	NM	12.0'	11.7'	11.4'	11.3'	12.0'	11.4'	11.1800	11.2'	11.1'	11.3'	10.9'	10.2'
LNAPL:	NO*	NO*	NM	NM	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	NO*	NO*	NM	NM	<0.1'	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
BBRW - 06																
DTW:	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
DNAPL:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW - 20D																
DTW:																
LNAPL:	NO ACCESS	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
DNAPL:																
BBMW - 22D																
DTW:	NM	NM	NM	NO*	NM	NO*	10.180000	10.0'	NO*	NO*	9.9'	NO*	NO*	NO*	NO*	NO*
LNAPL:	NM	NM	NM	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	6.0'	5.8'	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'

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

Gauging Date	2/22/2008	2/29/2008	3/7/2008	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
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
DNAPL:																
BBRW - 01R																
DTW:	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
DNAPL:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
RW - 02																
DTW:	NM	NM	NM	NM	NM	NM	NO*	8.6'	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
LNAPL:	NM	NM	NM	NM	NM	NM	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	6.2'	7.2'	5.3'	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'
RW - 03																
DTW:	NM	6.3'	6.3'	6.0'	5.7100	6.1'	6.3'	6.24'	6.3'	6.7'		6.4'	6.4'	6.3'		6.25'
LNAPL:	NM	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO ACCESS	NO*	NO*	NO*	NO ACCESS	NO*
DNAPL:	NM	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*		NO*	NO*	0.1'		NO*
RW - 04																
DTW:	9.4'	9.6'	9.6'	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'
LNAPL:	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*
RW - 05																
DTW:	7.9'	9.0'	8.0'	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'
LNAPL:	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*
BBMW - 05D																
DTW:	10.6'	10.7'	10.8'	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'
LNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	NO*	NO*	coating (<1/8')	0.1'	0.01'	0.1'	NO*	Trace	NO*	NO*	NO*	NO*	NO*	NO*	NO*	0.1'
BBRW - 06																
DTW:	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
DNAPL:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
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
DNAPL:																
BBMW - 22D																
DTW:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	9.3'	NO*	NO*	9.3'	9.4'	9.7'	NO*	NO*	NO*
LNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	5.7'	5.4'	5.4'	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'

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

Gauging Date	6/13/2008	6/20/2008	6/27/2008	7/3/2008	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
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
DNAPL:																
BBRW - 01R																
DTW:	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
DNAPL:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
RW - 02																
DTW:	NO*	NO*	NO*	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
LNAPL:	NO*	NO*	NO*	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
DNAPL:	5.5'	6.8'	5.3'	4.10'	5.10'	4.4'	4.2'	6.5'	5.7'	5.8'	6.3'	6.5'	8.0'	6.0'	6.50'	5.6'
RW - 03																
DTW:	6.6'	6.6'	6.6'	6.92'	7.12'	7.24'	7.11'	7.04'	6.98'	7.15'	7.21'	7.47'	6.89'	6.92'	6.94'	7.21'
LNAPL:	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*	>0.01'
RW - 04																
DTW:	9.8'	9.9'	9.9'	10.28'	10.38'	10.52'	10.37'	10.32'	10.26'	10.44'	10.49'	10.76'	10.17'	10.20'	10.36'	10.51'
LNAPL:	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*
RW - 05																
DTW:	5.2'	8.4'	8.2'	8.78'	8.76'	8.98'	8.71'	8.80'	8.70'	8.89'	8.98'	9.26'	8.63'	8.69'	8.86'	9.01'
LNAPL:	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*
BBMW - 05D																
DTW:	11.0'	11.2'	10.9'	11.56'	11.50'	11.73'	11.45'	11.55'	11.54'	11.75'	11.69'	11.96'	11.36'	11.39'	11.57'	11.69'
LNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	0.1'	0.1'	NO*	NO*	NO*	0.01'	0.01'	Trace	0.01'	NO*	Trace	Trace	NO*	NO*	NO*	NO*
BBRW - 06																
DTW:	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
DNAPL:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
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
DNAPL:																
BBMW - 22D																
DTW:	NO*	NO*	NO*	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
LNAPL:	NO*	NO*	NO*	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
DNAPL:	4.7'	5.6'	4.2'	4.8'	4.6'	4.9'	5.8'	4.5'	5.1'	4.9'	4.1'	6.0'	5.0'	5.10'	5.30'	5.9'

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

Gauging Date	10/6/2008	10/13/2008	10/20/2008	10/24/2008	10/29/2008	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
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
DNAPL:																
BBRW - 01R																
DTW:	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
DNAPL:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
RW - 02																
DTW:	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
DNAPL:	5.8	5.1	5.7	5.5	5.3	5.5	5.1	5.9	6.2	6.6	6.8	6.0	6.5	6.9	6.9	6.8
RW - 03																
DTW:	6.2	6.7	6.8	6.9	6.1	6.4	6.5	6.4	6.2	6.3	4.9	7.7	5.7	5.7	6.0	6.2
LNAPL:	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*
RW - 04																
DTW:	10.0	9.9	10.1	10.2	9.3	9.7	9.8	9.7	9.5	4.5	8.2	9.0	9.0	8.9	9.4	9.5
LNAPL:	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*
RW - 05																
DTW:	8.0	8.4	8.6	8.7	7.7	8.2	8.3	8.1	7.9	7.9	6.3	7.4	7.4	7.4	7.8	8.0
LNAPL:	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*
BBMW - 05D																
DTW:	10.7	11.2	11.3	11.4	10.5	10.9	11.0	10.8	10.6	10.7	9.2	10.1	10.1	10.0	10.6	10.7
LNAPL:	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*
BBRW - 06																
DTW:	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
DNAPL:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
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
DNAPL:																
BBMW - 22D																
DTW:	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
DNAPL:	5.8	4.7	5.2	4.8	5.7	5.9	5.2	6.0	5.4	5.7	6.2	5.6	5.3	8.0	6.4	5.9

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

Gauging Date	2/2/2009	2/6/2009	2/13/2009	2/20/2009	2/27/2009	3/6/2009	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
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
DNAPL:																
BBRW - 01R																
DTW:	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
DNAPL:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
RW - 02																
DTW:	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
DNAPL:	5.1	5.7	5.9	6.3	4.7	6.2	4.9	5.2	5.9	5.4	6.1	6.2	7.2	6.5	6.0	6.6
RW - 03																
DTW:	6.1	6.3	6.3	6.2	6.4	6.3	6.3	6.4	6.5							
LNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
DNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*							
RW - 04																
DTW:	9.4	9.6	9.6	9.5	9.7	9.7	9.6	9.7	9.8							
LNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
DNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*							
RW - 05																
DTW:	7.8	8.0	8.1	8.0	8.2	8.1	8.1	8.2	8.2	8.0	7.9	7.9	7.7	8.0	7.3	8.1
LNAPL:	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*
BBMW - 05D																
DTW:	10.6	10.8	10.8	10.7	10.9	10.8	10.8	10.9	11.0	10.4	10.6	10.6	11.0	10.7	10.0	10.8
LNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
BBRW - 06																
DTW:	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
DNAPL:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
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
DNAPL:																
BBMW - 22D																
DTW:	NM	NM	NM	5.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
LNAPL:	NM	NM	NM	NO*	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
DNAPL:	6.3	6.1	5.7	NO*	4.6	4.8	3.9	4.2	5.4	4.3	5.3	4.9	4.8	4.7	4.9	4.7

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

Gauging Date	5/29/2009	6/8/2009	6/12/2009	6/19/2009	6/26/2009	7/2/2009	7/10/2009	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
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
DNAPL:																
BBRW - 01R																
DTW:	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
DNAPL:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
RW - 02																
DTW:	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
DNAPL:	6.2	4.7	5.7	7.2	6.9	5.2	7.1	7.2	6.6	7.2	6.9	6.3	6.5	6.3	4.9	6.0
RW - 03																
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
DNAPL:																
RW - 04																
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
DNAPL:																
RW - 05																
DTW:	7.7	7.7	7.0	7.1	7.2	7.6	7.8	NM	7.1	8.3	8.3	8.4	9.0	8.8	8.9	8.8
LNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NM	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NM	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
BBMW - 05D																
DTW:	10.5	10.4	9.8	9.8	9.9	10.2	10.5	10.7	9.8	10.8	9.9	11.1	11.4	12.5	11.6	10.2
LNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	0.1	NO*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	NO*	NO*	NO*	NO*	0.1	Trace	NO*
BBRW - 06																
DTW:	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
DNAPL:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
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
DNAPL:																
BBMW - 22D																
DTW:	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
DNAPL:	4.9	5.1	5.2	5.1	5.1	4.6	4.9	5.3	4.9	4.7	4.1	5.1	5.0	4.9	4.7	4.5

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

Gauging Date	9/28/2009	10/2/2009	10/16/2009	10/23/2009	10/30/2009	11/6/2009	11/13/2009	11/20/2009	11/25/2009	12/4/2009	12/11/2009	12/18/2009	12/23/2009	1/4/2010	1/8/2010	1/15/2010
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
DNAPL:																
BBRW - 01R																
DTW:	NM	NM	NM	NM	NM	10.3	10.4	10.2	10.2	9.7	9.3	9.6	9.7	9.1	9.8	10.0
LNAPL:	NM	NM	NM	NM	NM	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	NM	NM	NM	NM	NM	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	Trace	NO*	NO*
RW - 02																
DTW:	NM	NM	NM	NM	NM	NM	NM	8.8	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
DNAPL:	6.3	6.0	7.1	7.4	7.1	7.4	7.5	7.0	8.8	8.5	7.7	7.9	8.1	7.3	9.5	9.1
RW - 03																
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
DNAPL:																
RW - 04																
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
DNAPL:																
RW - 05																
DTW:	8.6	8.7	8.6	8.6	8.0	8.3	9.5	8.2	8.3	7.8	7.9	7.7	7.9	7.7	7.2	8.7
LNAPL:	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*
BBMW - 05D																
DTW:	10.2	10.3	10.1	10.2	9.6	9.9	10.0	10.8	9.9	9.4	8.9	9.5	9.4	9.3	9.4	9.9
LNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	Trace	NO*	Trace	Trace	Trace	Trace	Trace	0.1	Trace	NO*	NO*	NO*	NO*	NO*	NO*	Trace
BBRW - 06																
DTW:	NM	NM	NM	NM	NM	10.0	10.0	9.8	9.9	9.4	9.0	9.3	9.2	9.3	9.5	9.7
LNAPL:	NM	NM	NM	NM	NM	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	NM	NM	NM	NM	NM	NO*	Trace	Trace	0.2	0.3	0.2	0.1	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
DNAPL:																
BBMW - 22D																
DTW:	NM	NM	NM	NM	NM	NM	NM	6.6	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
DNAPL:	4.9	4.8	4.9	5.1	5.4	4.9	4.9	3.2	4.6	4.9	5.0	4.7	5.2	5.1	6.1	4.3

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

Gauging Date	1/22/2010	1/29/2010	2/5/2010	2/12/2010	2/19/2010	3/1/2010	3/5/2010	3/12/2010	3/19/2010	3/26/2010	4/2/2010	4/9/2010	4/16/2010	4/23/2010	4/30/2010	5/7/2010
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
DNAPL:																
BBRW - 01R																
DTW:	10.0	9.7	10.1	10.2	10.0	8.3	9.2	9.6	9.2	9.3	8.5	9.5	9.5	9.7	9.5	9.7
LNAPL:	NM	NO*	NO*	NO*	NO*	NO*	NM	NM	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	Trace	Trace	Trace	Trace	0.3	Trace	0.2	Trace	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.4
RW - 02																
DTW:	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
DNAPL:	7.5	8.0	NM	10.0	5.1	6.5	6.5	7.3	7.7	9.0	5.6	6.5	6.6	4.9	7.6	6.1
RW - 03																
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
DNAPL:																
RW - 04																
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
DNAPL:																
RW - 05																
DTW:	10.0	7.8	8.1	8.2	8.0	6.9	7.3	7.7	7.3	7.4	6.6	7.3	7.6	7.8	7.9	7.7
LNAPL:	NM	NM	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*
BBMW - 05D																
DTW:	9.6	9.4	9.7	6.1	9.7	8.5	8.8	9.2	8.9	9.0	8.2	9.9	9.2	9.3	9.5	9.3
LNAPL:	NM	NM	NO*	NO*	NO*	NO*	NM	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*	0.2
BBRW - 06																
DTW:	9.4	9.4	9.8	9.9	9.7	8.5	9.9	9.3	5.9	9.0	8.2	9.9	9.2	9.4	9.1	9.4
LNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NM	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	0.2	Trace	Trace	0.5	Trace	Trace	0.3	0.5	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5
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
DNAPL:																
BBMW - 22D																
DTW:	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
DNAPL:	1.0	1.2	3.6	3.6	5.1	3.8	4.3	4.5	4.8	5.6	4.1	5.1	5.4	5.5	5.1	5.5

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

Gauging Date	5/14/2010	5/21/2010	5/28/2010	6/4/2010	6/11/2010	6/18/2010	6/25/2010	7/1/2010	7/9/2010	7/16/2010
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:										
DNAPL:										
BBRW - 01R										
DTW:	9.8	9.7	9.9	10.1	10.2	9.7	10.5	10.7	11.0	10.8
LNAPL:	NO*	NO*	NM	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	0.2	0.4	0.2	0.2	0.1	0.2	0.2	0.4	0.4	0.4
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:	6.6	6.7	7.2	8.1	6.5	8.0	5.0	5.4	6.6	5.7
RW - 03										
DTW:	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
LNAPL:										
DNAPL:										
RW - 04										
DTW:	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
LNAPL:										
DNAPL:										
RW - 05										
DTW:	7.9	7.8	8.0	8.2	10.3	8.0	8.6	8.7	9.0	8.9
LNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
BBMW - 05D										
DTW:	9.4	9.3	9.6	9.8	8.2	9.4	10.1	10.4	10.7	10.5
LNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	NO*	NO*	Trace	Trace	NO*	Trace	Trace	NO*	Trace	Trace
BBRW - 06										
DTW:	9.5	9.4	9.7	9.8	9.9	9.4	10.2	10.4	10.7	10.4
LNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	0.5	0.5	0.6	0.6	0.5	0.6	0.6	0.6	0.5	0.5
BBMW - 20D										
DTW:	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged
LNAPL:										
DNAPL:										
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:	5.4	5.5	5.3	5.5	5.1	5.5	5.5	4.9	5.5	5.6

Notes:
NO* = Not Observed
NM = Not Measured

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

Well ID	Oxygen Injection System	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Jul-06	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09
Conductivity (mS/cm)																
OU2MW-48S	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-48I	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-48I2	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-48D	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49S	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49I	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49I2	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49D	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54S	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54I	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54I2	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54D	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-16S	OU-1 South	0.440	--	--	--	--	0.822	--	--	0.968	--	--	0.551	--	--	0.710
OZMW-16I	OU-1 South	--	--	--	--	--	0.725	--	--	0.938	--	--	0.630	--	--	0.780
OZMW-16I2	OU-1 South	0.296	--	--	--	--	0.509	--	--	0.812	--	--	0.999	--	--	0.750
OZMW-16D	OU-1 South	--	1.890	--	--	--	2.220	--	--	2.010	--	--	6.690	--	--	2.100
OZMW-17S	OU-1 South	0.587	--	0.742	0.720	0.693	0.999	--	0.532	0.560	0.871	1.000	1.130	1.210	1.100	1.320
OZMW-17I	OU-1 South	0.689	--	0.504	0.618	0.628	0.999	--	0.493	0.370	0.505	0.568	0.785	0.672	0.717	0.607
OZMW-17I2	OU-1 South	0.237	--	0.147	0.180	0.174	0.345	--	0.184	0.192	0.319	0.357	0.900	0.366	0.350	0.392
OZMW-17D	OU-1 South	--	0.994	1.210	0.878	0.826	1.460	--	0.810	0.588	0.876	0.858	1.270	0.720	0.805	0.849
OZMW-18S	OU-1 South	0.405	--	--	--	--	0.826	--	--	0.678	--	--	0.675	--	--	1.300
OZMW-18I	OU-1 South	0.496	--	--	--	--	0.595	--	--	0.531	--	--	0.496	--	--	0.626
OZMW-18I2	OU-1 South	0.482	--	--	--	--	0.790	--	--	0.949	--	--	0.879	--	--	0.686
OZMW-18D	OU-1 South	--	1.760	--	--	--	1.580	--	--	1.790	--	--	4.100	--	--	2.020
Dissolved Oxygen (mg/L)																
OU2MW-48S	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-48I	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-48I2	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-48D	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49S	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49I	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49I2	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49D	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54S	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54I	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54I2	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54D	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-16S	OU-1 South	0.0	--	--	--	--	20.0	--	--	20.0	--	--	20.0	--	--	32.0
OZMW-16I	OU-1 South	--	--	--	--	--	20.0	--	--	20.0	--	--	20.0	--	--	44.0
OZMW-16I2	OU-1 South	0.0	--	--	--	--	1.4	--	--	0.0	--	--	0.0	--	--	1.9
OZMW-16D	OU-1 South	--	0.0	--	--	--	0.0	--	--	0.0	--	--	0.0	--	--	0.0
OZMW-17S	OU-1 South	0.0	--	14.0	22.0	21.0	20.0	--	19.0	8.0	3.0	6.0	3.0	1.0	18.0	20.0
OZMW-17I	OU-1 South	0.0	--	6.0	35.0	21.0	20.0	--	19.0	24.0	25.0	28.0	1.7	0.0	1.8	26.0
OZMW-17I2	OU-1 South	0.0	--	0.0	5.0	5.0	7.4	--	7.0	5.0	3.0	3.0	2.0	0.0	0.0	2.2
OZMW-17D	OU-1 South	--	0.0	0.0	0.0	0.0	0.0	--	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
OZMW-18S	OU-1 South	0.0	--	--	--	--	17.4	--	--	20.0	--	--	9.4	--	--	31.0
OZMW-18I	OU-1 South	0.0	--	--	--	--	0.0	--	--	4.6	--	--	0.8	--	--	1.5
OZMW-18I2	OU-1 South	0.0	--	--	--	--	0.0	--	--	8.8	--	--	0.0	--	--	0.0
OZMW-18D	OU-1 South	--	0.0	--	--	--	0.0	--	--	0.0	--	--	0.0	--	--	0.0

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

Well ID	Oxygen Injection System	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Jul-06	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09
Oxidation Reduction Potential (mV)																
OU2MW-48S	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-48I	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-48I2	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-48D	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49S	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49I	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49I2	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49D	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54S	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54I	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54I2	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54D	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-16S	OU-1 South	-108	--	--	--	--	138	--	--	76	--	--	139	--	--	109
OZMW-16I	OU-1 South	--	--	--	--	--	224	--	--	113	--	--	180	--	--	121
OZMW-16I2	OU-1 South	86	--	--	--	--	189	--	--	109	--	--	84	--	--	31
OZMW-16D	OU-1 South	--	-48	--	--	--	73	--	--	43	--	--	83	--	--	67
OZMW-17S	OU-1 South	-137	--	144	58	76	42	--	49	-34	12	-28	-61	-23	46	70
OZMW-17I	OU-1 South	-144	--	35	89	77	58	--	62	16	104	47	-23	-85	-17	87
OZMW-17I2	OU-1 South	110	--	106	127	122	179	--	144	114	149	51	107	-10	53	94
OZMW-17D	OU-1 South	--	13	36	17	-34	26	--	21	35	-38	-76	69	7	24	79
OZMW-18S	OU-1 South	-112	--	--	--	--	-40	--	--	0	--	--	31	--	--	64
OZMW-18I	OU-1 South	-168	--	--	--	--	-61	--	--	-46	--	--	-66	--	--	-75
OZMW-18I2	OU-1 South	-54	--	--	--	--	-52	--	--	-25	--	--	-92	--	--	-132
OZMW-18D	OU-1 South	--	-93	--	--	--	-109	--	--	-114	--	--	-64	--	--	-46
pH (SU)																
OU2MW-48S	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-48I	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-48I2	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-48D	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49S	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49I	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49I2	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49D	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54S	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54I	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54I2	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54D	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-16S	OU-1 South	6.23	--	--	--	--	6.35	--	--	6.14	--	--	6.39	--	--	5.86
OZMW-16I	OU-1 South	--	--	--	--	--	5.54	--	--	5.86	--	--	6.14	--	--	5.74
OZMW-16I2	OU-1 South	5.25	--	--	--	--	5.08	--	--	5.37	--	--	5.46	--	--	5.06
OZMW-16D	OU-1 South	--	5.65	--	--	--	5.04	--	--	4.99	--	--	5.04	--	--	4.62
OZMW-17S	OU-1 South	6.42	--	6.60	6.59	6.54	6.61	--	6.58	6.48	6.99	6.44	6.92	6.62	6.49	6.38
OZMW-17I	OU-1 South	6.69	--	6.97	6.71	6.67	6.75	--	6.73	6.68	6.78	6.10	6.98	6.82	6.57	6.19
OZMW-17I2	OU-1 South	6.09	--	6.65	6.06	6.03	5.96	--	5.92	0.19	6.00	5.77	6.34	5.92	5.80	5.62
OZMW-17D	OU-1 South	--	5.31	5.73	5.44	5.36	5.28	--	5.35	5.28	6.07	6.00	5.77	5.40	5.33	5.12
OZMW-18S	OU-1 South	6.34	--	--	--	--	6.25	--	--	5.78	--	--	6.38	--	--	5.86
OZMW-18I	OU-1 South	6.55	--	--	--	--	6.37	--	--	5.84	--	--	6.50	--	--	6.05
OZMW-18I2	OU-1 South	6.35	--	--	--	--	6.46	--	--	7.76	--	--	6.43	--	--	6.07
OZMW-18D	OU-1 South	--	5.83	--	--	--	6.14	--	--	5.71	--	--	5.91	--	--	5.27

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

Well ID	Oxygen Injection System	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Jul-06	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09
Temperature (degrees Celcius)																
OU2MW-48S	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-48I	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-48I2	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-48D	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49S	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49I	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49I2	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49D	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54S	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54I	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54I2	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54D	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-16S	OU-1 South	11.0	--	--	--	--	18.4	--	--	18.9	--	--	14.3	--	--	10.6
OZMW-16I	OU-1 South	--	--	--	--	--	15.7	--	--	16.2	--	--	14.2	--	--	12.5
OZMW-16I2	OU-1 South	12.7	--	--	--	--	15.5	--	--	16.1	--	--	13.3	--	--	12.8
OZMW-16D	OU-1 South	--	12.6	--	--	--	13.6	--	--	15.6	--	--	13.3	--	--	12.4
OZMW-17S	OU-1 South	10.9	--	12.6	14.6	18.1	19.0	--	19.8	19.4	17.9	15.6	12.6	10.8	11.2	10.9
OZMW-17I	OU-1 South	13.0	--	13.7	15.7	16.3	17.5	--	17.2	16.4	15.9	14.7	13.9	12.5	13.7	13.0
OZMW-17I2	OU-1 South	12.9	--	13.7	15.5	17.3	15.4	--	17.3	15.3	15.2	14.5	13.1	12.4	13.0	12.3
OZMW-17D	OU-1 South	--	11.9	14.1	15.7	17.0	15.6	--	16.9	15.7	14.2	13.3	12.1	12.3	13.1	12.5
OZMW-18S	OU-1 South	9.4	--	--	--	--	18.0	--	--	20.6	--	--	13.9	--	--	10.6
OZMW-18I	OU-1 South	11.9	--	--	--	--	16.6	--	--	17.6	--	--	14.8	--	--	12.5
OZMW-18I2	OU-1 South	12.5	--	--	--	--	15.7	--	--	23.5	--	--	14.1	--	--	12.9
OZMW-18D	OU-1 South	--	11.7	--	--	--	14.7	--	--	17.1	--	--	13.9	--	--	13.0

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

Well ID	Oxygen Injection System	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10
Conductivity (mS/cm)																
OU2MW-48S	66 North Clinton	--	--	--	--	--	0.280	--	--	0.294	--	0.246	--	--	0.330	--
OU2MW-48I	66 North Clinton	--	--	--	--	--	0.325	--	--	0.320	--	0.345	--	--	0.394	--
OU2MW-48I2	66 North Clinton	--	--	--	--	--	0.379	--	--	0.393	--	0.489	--	--	0.416	--
OU2MW-48D	66 North Clinton	--	--	--	--	--	0.191	--	--	0.164	--	0.164	--	--	0.093	--
OU2MW-49S	66 North Clinton	--	--	--	--	--	0.335	--	--	0.291	--	0.265	--	--	0.179	0.251
OU2MW-49I	66 North Clinton	--	--	--	--	--	0.408	--	--	0.489	--	0.686	--	--	0.304	0.359
OU2MW-49I2	66 North Clinton	--	--	--	--	--	0.500	--	--	0.365	--	0.338	--	--	0.248	0.287
OU2MW-49D	66 North Clinton	--	--	--	--	--	0.073	--	--	0.088	--	0.116	--	--	0.096	0.109
OU2MW-54S	66 North Clinton	--	--	--	--	--	--	--	--	--	--	0.364	--	0.612	--	--
OU2MW-54I	66 North Clinton	--	--	--	--	--	--	--	--	--	--	0.349	--	0.335	--	--
OU2MW-54I2	66 North Clinton	--	--	--	--	--	--	--	--	--	--	0.471	--	0.443	--	--
OU2MW-54D	66 North Clinton	--	--	--	--	--	--	--	--	--	--	0.308	--	0.270	--	--
OZMW-16S	OU-1 South	--	--	0.450	--	--	0.569	--	0.487	--	0.809	0.822	0.775	0.459	0.410	0.490
OZMW-16I	OU-1 South	--	--	0.504	--	--	0.479	--	0.618	--	0.576	0.638	0.870	0.626	0.570	0.659
OZMW-16I2	OU-1 South	--	--	0.603	--	--	0.579	--	0.541	--	0.620	0.408	0.506	0.383	0.412	0.618
OZMW-16D	OU-1 South	--	--	1.130	--	--	0.386	--	0.445	--	2.840	0.381	0.458	0.415	0.298	0.228
OZMW-17S	OU-1 South	0.098	0.092	0.809	0.727	0.625	0.750	0.669	0.662	0.760	0.999	0.766	0.999	0.715	0.686	0.492
OZMW-17I	OU-1 South	0.690	0.688	0.489	0.481	0.487	0.656	0.566	0.565	0.499	0.541	0.589	0.815	0.755	0.619	0.496
OZMW-17I2	OU-1 South	0.857	0.558	0.360	0.346	0.373	0.502	0.405	0.358	0.392	0.497	0.435	0.678	0.491	0.479	0.386
OZMW-17D	OU-1 South	0.959	0.940	1.160	0.744	0.784	1.570	1.100	1.090	1.040	1.070	0.999	1.140	1.140	0.910	0.692
OZMW-18S	OU-1 South	--	--	0.567	--	--	0.403	--	0.466	--	0.453	1.870	0.676	0.479	0.468	0.572
OZMW-18I	OU-1 South	--	--	0.580	--	--	0.639	--	0.629	--	0.557	0.872	0.856	0.580	0.561	0.689
OZMW-18I2	OU-1 South	--	--	0.571	--	--	0.518	--	0.509	--	0.502	0.425	0.502	0.335	0.291	0.445
OZMW-18D	OU-1 South	--	--	1.590	--	--	1.610	--	1.480	--	1.260	1.500	1.330	1.220	0.970	1.050
Dissolved Oxygen (mg/L)																
OU2MW-48S	66 North Clinton	--	--	--	--	--	0.0	--	--	0.9	--	0.0	--	--	11.2	--
OU2MW-48I	66 North Clinton	--	--	--	--	--	0.0	--	--	0.0	--	0.0	--	--	0.0	--
OU2MW-48I2	66 North Clinton	--	--	--	--	--	0.0	--	--	0.0	--	0.0	--	--	0.0	--
OU2MW-48D	66 North Clinton	--	--	--	--	--	0.0	--	--	0.0	--	0.0	--	--	0.0	--
OU2MW-49S	66 North Clinton	--	--	--	--	--	0.0	--	--	0.0	--	0.0	--	--	0.0	23.0
OU2MW-49I	66 North Clinton	--	--	--	--	--	0.0	--	--	0.0	--	0.0	--	--	24.0	30.0
OU2MW-49I2	66 North Clinton	--	--	--	--	--	0.0	--	--	0.0	--	3.1	--	--	0.0	0.0
OU2MW-49D	66 North Clinton	--	--	--	--	--	0.0	--	--	0.0	--	7.4	--	--	0.0	0.0
OU2MW-54S	66 North Clinton	--	--	--	--	--	--	--	--	--	--	0.0	--	0.0	--	--
OU2MW-54I	66 North Clinton	--	--	--	--	--	--	--	--	--	--	1.6	--	3.9	--	--
OU2MW-54I2	66 North Clinton	--	--	--	--	--	--	--	--	--	--	0.0	--	0.0	--	--
OU2MW-54D	66 North Clinton	--	--	--	--	--	--	--	--	--	--	1.7	--	0.0	--	--
OZMW-16S	OU-1 South	--	--	16.9	--	--	20.0	--	25.0	--	20.0	16.4	26.0	32.0	26.0	29.0
OZMW-16I	OU-1 South	--	--	19.6	--	--	20.0	--	32.0	--	32.0	40.0	36.0	30.0	28.0	30.0
OZMW-16I2	OU-1 South	--	--	0.0	--	--	0.0	--	0.0	--	2.7	3.1	0.0	0.0	0.0	0.0
OZMW-16D	OU-1 South	--	--	0.0	--	--	0.0	--	0.0	--	0.0	0.0	1.7	0.0	0.0	0.0
OZMW-17S	OU-1 South	17.0	15.0	3.0	12.0	13.0	15.0	12.4	15.0	20.0	17.2	17.0	18.0	19.0	19.0	20.0
OZMW-17I	OU-1 South	14.0	13.0	9.4	16.0	15.0	20.0	15.0	15.0	18.0	28.0	28.0	28.0	32.0	24.0	28.0
OZMW-17I2	OU-1 South	0.0	0.0	2.0	2.0	6.0	4.0	1.0	2.0	7.0	7.5	8.0	13.0	12.0	15.0	5.0
OZMW-17D	OU-1 South	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
OZMW-18S	OU-1 South	--	--	19.8	--	--	16.8	--	16.0	--	28.0	28.0	28.0	32.0	18.5	28.0
OZMW-18I	OU-1 South	--	--	0.0	--	--	7.3	--	3.6	--	14.0	20.0	20.0	21.0	23.0	26.0
OZMW-18I2	OU-1 South	--	--	0.0	--	--	0.0	--	0.0	--	3.0	9.0	8.2	10.0	1.7	8.3
OZMW-18D	OU-1 South	--	--	0.0	--	--	0.0	--	0.0	--	0.0	0.0	0.0	0.0	0.0	0.0

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

Well ID	Oxygen Injection System	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10
Oxidation Reduction Potential (mV)																
OU2MW-48S	66 North Clinton	--	--	--	--	--	-91	--	--	61	--	166	--	--	145	--
OU2MW-48I	66 North Clinton	--	--	--	--	--	-104	--	--	85	--	261	--	--	150	--
OU2MW-48I2	66 North Clinton	--	--	--	--	--	-52	--	--	145	--	95	--	--	105	--
OU2MW-48D	66 North Clinton	--	--	--	--	--	59	--	--	115	--	121	--	--	73	--
OU2MW-49S	66 North Clinton	--	--	--	--	--	-8	--	--	-4	--	20	--	--	37	195
OU2MW-49I	66 North Clinton	--	--	--	--	--	80	--	--	74	--	115	--	--	234	252
OU2MW-49I2	66 North Clinton	--	--	--	--	--	132	--	--	124	--	165	--	--	179	200
OU2MW-49D	66 North Clinton	--	--	--	--	--	26	--	--	45	--	163	--	--	77	33
OU2MW-54S	66 North Clinton	--	--	--	--	--	--	--	--	--	--	-120	--	-115	--	--
OU2MW-54I	66 North Clinton	--	--	--	--	--	--	--	--	--	--	129	--	85	--	--
OU2MW-54I2	66 North Clinton	--	--	--	--	--	--	--	--	--	--	104	--	-7	--	--
OU2MW-54D	66 North Clinton	--	--	--	--	--	--	--	--	--	--	101	--	83	--	--
OZMW-16S	OU-1 South	--	--	123	--	--	74	--	244	--	161	152	131	108	191	171
OZMW-16I	OU-1 South	--	--	207	--	--	94	--	202	--	351	192	16	90	193	220
OZMW-16I2	OU-1 South	--	--	86	--	--	20	--	59	--	60	121	61	32	57	-33
OZMW-16D	OU-1 South	--	--	127	--	--	54	--	92	--	97	106	115	-37	85	97
OZMW-17S	OU-1 South	78	62	-11	73	51	60	29	77	70	63	77	68	65	50	46
OZMW-17I	OU-1 South	57	52	30	213	60	111	41	70	297	172	139	115	120	110	187
OZMW-17I2	OU-1 South	157	104	120	189	-16	138	-73	140	157	190	144	137	50	146	114
OZMW-17D	OU-1 South	55	61	80	103	-102	98	-42	70	136	103	89	52	78	90	39
OZMW-18S	OU-1 South	--	--	168	--	--	58	--	121	--	172	150	104	107	155	107
OZMW-18I	OU-1 South	--	--	-42	--	--	-27	--	0	--	54	93	139	79	100	102
OZMW-18I2	OU-1 South	--	--	-77	--	--	-152	--	-121	--	-21	206	75	69	180	139
OZMW-18D	OU-1 South	--	--	-32	--	--	-49	--	10	--	17	-11	-9	-48	-17	-31
pH (SU)																
OU2MW-48S	66 North Clinton	--	--	--	--	--	6.18	--	--	6.40	--	5.73	--	--	6.11	--
OU2MW-48I	66 North Clinton	--	--	--	--	--	5.74	--	--	5.90	--	5.12	--	--	5.56	--
OU2MW-48I2	66 North Clinton	--	--	--	--	--	6.08	--	--	5.91	--	5.77	--	--	5.99	--
OU2MW-48D	66 North Clinton	--	--	--	--	--	5.48	--	--	5.51	--	5.27	--	--	5.20	--
OU2MW-49S	66 North Clinton	--	--	--	--	--	5.93	--	--	6.12	--	5.91	--	--	6.90	6.23
OU2MW-49I	66 North Clinton	--	--	--	--	--	5.79	--	--	6.04	--	5.87	--	--	4.83	6.23
OU2MW-49I2	66 North Clinton	--	--	--	--	--	5.84	--	--	6.00	--	5.47	--	--	5.43	6.14
OU2MW-49D	66 North Clinton	--	--	--	--	--	5.68	--	--	5.58	--	5.00	--	--	6.16	5.85
OU2MW-54S	66 North Clinton	--	--	--	--	--	--	--	--	--	--	6.51	--	6.62	--	--
OU2MW-54I	66 North Clinton	--	--	--	--	--	--	--	--	--	--	5.81	--	6.04	--	--
OU2MW-54I2	66 North Clinton	--	--	--	--	--	--	--	--	--	--	6.29	--	6.42	--	--
OU2MW-54D	66 North Clinton	--	--	--	--	--	--	--	--	--	--	5.57	--	5.55	--	--
OZMW-16S	OU-1 South	--	--	6.41	--	--	6.57	--	6.56	--	6.37	6.26	5.49	6.31	5.78	6.42
OZMW-16I	OU-1 South	--	--	5.44	--	--	6.08	--	6.46	--	6.31	6.46	6.90	6.93	6.58	6.10
OZMW-16I2	OU-1 South	--	--	5.86	--	--	5.68	--	5.69	--	5.66	5.34	5.16	5.51	5.94	6.27
OZMW-16D	OU-1 South	--	--	4.98	--	--	5.12	--	5.21	--	5.10	5.22	5.22	5.36	4.71	4.30
OZMW-17S	OU-1 South	6.65	6.62	7.26	6.61	6.62	6.40	6.93	6.16	6.53	6.60	6.56	5.52	6.56	6.54	6.42
OZMW-17I	OU-1 South	6.31	6.33	6.70	6.36	6.48	6.14	6.83	6.33	5.76	6.59	6.77	5.59	6.68	7.00	6.65
OZMW-17I2	OU-1 South	5.81	5.90	5.92	5.93	6.10	5.66	6.41	5.04	5.22	5.80	6.26	5.41	6.61	6.60	6.33
OZMW-17D	OU-1 South	5.44	5.19	5.78	5.33	5.50	5.03	5.56	5.98	6.06	4.98	5.22	5.06	4.98	5.24	5.13
OZMW-18S	OU-1 South	--	--	5.80	--	--	6.23	--	6.18	--	5.90	5.92	4.88	6.49	6.18	6.62
OZMW-18I	OU-1 South	--	--	6.66	--	--	6.73	--	7.20	--	6.77	6.36	5.60	6.95	6.42	6.14
OZMW-18I2	OU-1 South	--	--	6.64	--	--	6.89	--	6.54	--	6.31	5.26	4.88	6.27	5.64	6.00
OZMW-18D	OU-1 South	--	--	6.52	--	--	5.83	--	6.55	--	5.50	5.64	4.78	5.88	5.24	4.92

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

Well ID	Oxygen Injection System	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10
Temperature (degrees Celcius)																
OU2MW-48S	66 North Clinton	--	--	--	--	--	20.0	--	--	14.8	--	7.4	--	--	13.1	--
OU2MW-48I	66 North Clinton	--	--	--	--	--	16.2	--	--	15.3	--	10.4	--	--	14.0	--
OU2MW-48I2	66 North Clinton	--	--	--	--	--	16.0	--	--	14.6	--	11.3	--	--	14.4	--
OU2MW-48D	66 North Clinton	--	--	--	--	--	16.0	--	--	14.8	--	8.4	--	--	15.2	--
OU2MW-49S	66 North Clinton	--	--	--	--	--	21.5	--	--	17.3	--	10.9	--	--	14.7	21.4
OU2MW-49I	66 North Clinton	--	--	--	--	--	16.9	--	--	16.2	--	13.3	--	--	13.1	16.0
OU2MW-49I2	66 North Clinton	--	--	--	--	--	15.6	--	--	15.2	--	12.5	--	--	13.7	17.9
OU2MW-49D	66 North Clinton	--	--	--	--	--	16.5	--	--	14.9	--	12.4	--	--	13.6	17.0
OU2MW-54S	66 North Clinton	--	--	--	--	--	--	--	--	--	--	10.7	--	11.6	--	--
OU2MW-54I	66 North Clinton	--	--	--	--	--	--	--	--	--	--	13.1	--	12.7	--	--
OU2MW-54I2	66 North Clinton	--	--	--	--	--	--	--	--	--	--	13.0	--	13.4	--	--
OU2MW-54D	66 North Clinton	--	--	--	--	--	--	--	--	--	--	12.0	--	13.3	--	--
OZMW-16S	OU-1 South	--	--	15.0	--	--	18.4	--	15.1	--	11.3	10.5	10.7	12.7	12.4	15.0
OZMW-16I	OU-1 South	--	--	14.3	--	--	15.6	--	14.5	--	12.4	12.4	12.7	14.2	13.9	14.4
OZMW-16I2	OU-1 South	--	--	14.8	--	--	16.6	--	14.0	--	10.2	11.8	12.8	14.3	12.8	14.5
OZMW-16D	OU-1 South	--	--	14.3	--	--	15.3	--	13.8	--	11.7	11.1	12.9	14.3	13.7	14.8
OZMW-17S	OU-1 South	12.2	14.1	16.7	18.7	18.9	18.7	16.4	15.1	13.7	10.9	10.4	10.4	13.0	4.7	3.9
OZMW-17I	OU-1 South	13.0	13.6	15.1	16.7	17.0	16.4	14.9	14.7	12.6	12.7	11.8	11.9	13.7	14.8	3.5
OZMW-17I2	OU-1 South	13.5	13.8	15.5	18.1	17.2	17.0	14.5	14.3	12.8	12.1	11.0	12.5	14.4	5.2	4.0
OZMW-17D	OU-1 South	13.4	13.8	15.0	18.5	16.8	15.4	14.1	13.7	10.1	11.9	10.9	12.3	14.1	17.0	3.5
OZMW-18S	OU-1 South	--	--	14.5	--	--	18.4	--	15.8	--	9.6	9.5	10.3	11.9	11.9	14.3
OZMW-18I	OU-1 South	--	--	13.9	--	--	15.5	--	15.1	--	12.6	12.5	12.6	13.3	13.2	14.3
OZMW-18I2	OU-1 South	--	--	14.5	--	--	16.1	--	13.9	--	12.5	12.2	12.9	14.1	12.8	14.7
OZMW-18D	OU-1 South	--	--	14.2	--	--	16.1	--	13.7	--	12.2	12.1	12.6	14.1	13.9	14.8

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

Well ID	Oxygen Injection System	Jul-10	Aug-10	Sep-10
Conductivity (mS/cm)				
OU2MW-48S	66 North Clinton	--	0.227	--
OU2MW-48I	66 North Clinton	--	0.302	--
OU2MW-48I2	66 North Clinton	--	--	0.336
OU2MW-48D	66 North Clinton	--	0.075	--
OU2MW-49S	66 North Clinton	0.197	0.207	0.218
OU2MW-49I	66 North Clinton	0.385	0.398	0.448
OU2MW-49I2	66 North Clinton	0.247	0.253	0.270
OU2MW-49D	66 North Clinton	0.086	0.086	0.084
OU2MW-54S	66 North Clinton	--	0.536	--
OU2MW-54I	66 North Clinton	--	0.324	--
OU2MW-54I2	66 North Clinton	--	0.416	--
OU2MW-54D	66 North Clinton	--	0.268	--
OZMW-16S	OU-1 South	--	0.372	--
OZMW-16I	OU-1 South	--	1.020	--
OZMW-16I2	OU-1 South	--	1.050	--
OZMW-16D	OU-1 South	--	0.197	--
OZMW-17S	OU-1 South	0.398	0.375	0.431
OZMW-17I	OU-1 South	0.413	0.422	0.493
OZMW-17I2	OU-1 South	0.333	0.355	0.344
OZMW-17D	OU-1 South	0.532	0.623	0.518
OZMW-18S	OU-1 South	--	0.742	--
OZMW-18I	OU-1 South	--	0.685	--
OZMW-18I2	OU-1 South	--	0.660	--
OZMW-18D	OU-1 South	--	0.968	--
Dissolved Oxygen (mg/L)				
OU2MW-48S	66 North Clinton	--	16.4	--
OU2MW-48I	66 North Clinton	--	0.0	--
OU2MW-48I2	66 North Clinton	--	--	0.0
OU2MW-48D	66 North Clinton	--	0.0	--
OU2MW-49S	66 North Clinton	23.0	18.0	24.0
OU2MW-49I	66 North Clinton	27.0	39.0	30.0
OU2MW-49I2	66 North Clinton	0.0	0.0	0.0
OU2MW-49D	66 North Clinton	0.0	0.0	0.0
OU2MW-54S	66 North Clinton	--	0.0	--
OU2MW-54I	66 North Clinton	--	0.0	--
OU2MW-54I2	66 North Clinton	--	0.0	--
OU2MW-54D	66 North Clinton	--	0.0	--
OZMW-16S	OU-1 South	--	30.0	--
OZMW-16I	OU-1 South	--	28.8	--
OZMW-16I2	OU-1 South	--	0.0	--
OZMW-16D	OU-1 South	--	0.1	--
OZMW-17S	OU-1 South	14.0	15.0	13.0
OZMW-17I	OU-1 South	27.0	25.0	28.0
OZMW-17I2	OU-1 South	7.0	6.0	5.0
OZMW-17D	OU-1 South	0.0	0.0	0.0
OZMW-18S	OU-1 South	--	17.3	--
OZMW-18I	OU-1 South	--	20.0	--
OZMW-18I2	OU-1 South	--	6.3	--
OZMW-18D	OU-1 South	--	0.1	--

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

Well ID	Oxygen Injection System	Jul-10	Aug-10	Sep-10
Oxidation Reduction Potential (mV)				
OU2MW-48S	66 North Clinton	--	107	--
OU2MW-48I	66 North Clinton	--	216	--
OU2MW-48I2	66 North Clinton	--	--	152
OU2MW-48D	66 North Clinton	--	97	--
OU2MW-49S	66 North Clinton	158	178	280
OU2MW-49I	66 North Clinton	182	196	288
OU2MW-49I2	66 North Clinton	103	124	222
OU2MW-49D	66 North Clinton	30	22	68
OU2MW-54S	66 North Clinton	--	-94	--
OU2MW-54I	66 North Clinton	--	139	--
OU2MW-54I2	66 North Clinton	--	8	--
OU2MW-54D	66 North Clinton	--	146	--
OZMW-16S	OU-1 South	--	151	--
OZMW-16I	OU-1 South	--	124	--
OZMW-16I2	OU-1 South	--	-69	--
OZMW-16D	OU-1 South	--	131	--
OZMW-17S	OU-1 South	63	78	63
OZMW-17I	OU-1 South	123	183	176
OZMW-17I2	OU-1 South	73	134	157
OZMW-17D	OU-1 South	71	80	126
OZMW-18S	OU-1 South	--	127	--
OZMW-18I	OU-1 South	--	120	--
OZMW-18I2	OU-1 South	--	128	--
OZMW-18D	OU-1 South	--	-10	--
pH (SU)				
OU2MW-48S	66 North Clinton	--	6.11	--
OU2MW-48I	66 North Clinton	--	5.86	--
OU2MW-48I2	66 North Clinton	--	--	6.04
OU2MW-48D	66 North Clinton	--	5.51	--
OU2MW-49S	66 North Clinton	6.18	5.66	5.90
OU2MW-49I	66 North Clinton	6.10	5.58	5.73
OU2MW-49I2	66 North Clinton	5.97	5.87	5.65
OU2MW-49D	66 North Clinton	5.67	5.85	5.36
OU2MW-54S	66 North Clinton	--	6.28	--
OU2MW-54I	66 North Clinton	--	6.02	--
OU2MW-54I2	66 North Clinton	--	6.31	--
OU2MW-54D	66 North Clinton	--	5.48	--
OZMW-16S	OU-1 South	--	7.01	--
OZMW-16I	OU-1 South	--	5.65	--
OZMW-16I2	OU-1 South	--	5.43	--
OZMW-16D	OU-1 South	--	5.39	--
OZMW-17S	OU-1 South	6.61	6.98	6.34
OZMW-17I	OU-1 South	6.95	6.76	6.58
OZMW-17I2	OU-1 South	6.05	6.89	5.98
OZMW-17D	OU-1 South	5.14	5.79	5.02
OZMW-18S	OU-1 South	--	5.52	--
OZMW-18I	OU-1 South	--	7.69	--
OZMW-18I2	OU-1 South	--	5.03	--
OZMW-18D	OU-1 South	--	5.98	--

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

Well ID	Oxygen Injection System	Jul-10	Aug-10	Sep-10
Temperature (degrees Celcius)				
OU2MW-48S	66 North Clinton	--	20.3	--
OU2MW-48I	66 North Clinton	--	17.2	--
OU2MW-48I2	66 North Clinton	--	--	17.5
OU2MW-48D	66 North Clinton	--	17.1	--
OU2MW-49S	66 North Clinton	23.1	22.3	21.6
OU2MW-49I	66 North Clinton	17.8	16.5	17.4
OU2MW-49I2	66 North Clinton	19.3	16.6	17.1
OU2MW-49D	66 North Clinton	17.7	16.4	17.1
OU2MW-54S	66 North Clinton	--	20.8	--
OU2MW-54I	66 North Clinton	--	16.7	--
OU2MW-54I2	66 North Clinton	--	15.9	--
OU2MW-54D	66 North Clinton	--	16.6	--
OZMW-16S	OU-1 South	--	18.1	--
OZMW-16I	OU-1 South	--	17.3	--
OZMW-16I2	OU-1 South	--	17.1	--
OZMW-16D	OU-1 South	--	17.2	--
OZMW-17S	OU-1 South	19.3	19.2	20.2
OZMW-17I	OU-1 South	17.5	17.0	17.9
OZMW-17I2	OU-1 South	18.9	18.7	17.3
OZMW-17D	OU-1 South	19.1	20.4	17.1
OZMW-18S	OU-1 South	--	21.2	--
OZMW-18I	OU-1 South	--	17.3	--
OZMW-18I2	OU-1 South	--	17.0	--
OZMW-18D	OU-1 South	--	16.6	--

Notes:
mS/cm - milli-siemens per centimeter
mg/L - milligrams/Liter
mV - milli-volt
SU - standard unit
-- Not Measured
Beginning in July 2009, all parameter values were taken from latest date sampled.

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

Well ID	Oxygen Injection System	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	Jun-06
Conductivity (mS/cm)																
OU2MW-35S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45S	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45I	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45D	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46S	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46I	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47S	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47I	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47D	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28S	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29D	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30S	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30I3	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30D	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30D2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-31I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-31I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32S	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32D	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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

Well ID	Oxygen Injection System	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	Jun-06
OU2MW-19I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-19I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-19D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20S	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43S	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44S	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GMP-01	Manatuck Lane	--	0.472	0.369	0.413	0.663	0.458	--	--	--	0.785	--	0.603	--	--	0.427
GMP-02	Manatuck Lane	0.479	0.391	0.440	0.493	0.612	0.441	--	--	--	0.895	--	0.613	--	--	0.500
GMP-04	Manatuck Lane	0.442	0.676	0.409	0.325	0.529	0.342	--	--	--	0.650	--	0.605	--	--	0.550
OU2MW-06S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-06	Manatuck Lane	--	--	--	--	--	--	--	--	0.214	--	0.152	0.178	0.188	0.159	0.095
OU2MW-07S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-07	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	0.413	--	--	--	0.249
OU2MW-52S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-52I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-52D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-25S	Montauk Highway	--	0.465	0.288	0.638	--	0.650	--	--	--	0.467	0.354	0.348	0.300	0.236	0.232
BBMW-25I	Montauk Highway	0.482	0.577	0.483	0.544	--	0.279	--	--	--	1.010	0.647	0.458	0.386	0.387	0.238
BBMW-25D	Montauk Highway	0.048	0.047	0.058	0.076	--	0.058	--	--	--	--	--	0.053	--	--	0.056
OU2MW-01WT	Montauk Highway	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-01S	Montauk Highway	--	--	--	--	--	0.548	--	--	0.609	--	--	0.608	0.482	0.465	0.506
OU2MW-01I	Montauk Highway	--	--	--	--	--	0.456	--	--	0.470	--	0.701	0.506	0.450	0.494	0.546
OU2MW-01I2	Montauk Highway	--	--	--	--	--	--	--	--	0.187	--	0.287	0.186	0.174	0.196	0.209
OU2MW-01D	Montauk Highway	--	--	--	--	--	--	--	--	--	--	--	0.520	--	--	0.000
OU2MW-02S	Montauk Highway	--	--	--	--	--	0.405	--	--	--	--	0.565	0.885	--	--	0.514
OU2MW-02I	Montauk Highway	--	--	--	--	--	0.178	--	--	--	--	0.263	--	--	--	0.199
OU2MW-02I2	Montauk Highway	--	--	--	--	--	0.122	--	--	--	--	0.100	--	--	--	0.067
OU2MW-02D	Montauk Highway	--	--	--	--	--	0.037	--	--	--	--	0.049	--	--	--	0.036
OU2MW-03S	Montauk Highway	--	--	--	--	--	--	0.452	--	--	--	--	0.636	--	--	0.475
OU2MW-03I	Montauk Highway	--	--	--	--	--	--	--	--	--	--	--	0.345	--	--	0.226
OU2MW-03I2	Montauk Highway	--	--	--	--	--	--	0.073	--	--	--	--	0.094	--	--	0.071
OU2MW-03D	Montauk Highway	--	--	--	--	--	--	0.036	--	--	--	--	0.055	--	--	0.036
OU2MW-04WT	Montauk Highway	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-04S	Montauk Highway	--	--	--	--	--	--	0.554	--	--	--	--	0.733	--	--	0.639
OU2MW-04I	Montauk Highway	--	--	--	--	--	--	0.416	--	--	--	--	0.656	--	--	0.429
OU2MW-04I2	Montauk Highway	--	--	--	--	--	--	0.213	--	--	--	--	0.312	--	--	0.230
OU2MW-04D	Montauk Highway	--	--	--	--	--	--	0.066	--	--	--	--	0.062	--	--	0.047
OU2MW-08WT	Montauk Highway	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08S	Montauk Highway	--	--	--	--	--	--	--	0.549	--	--	0.646	--	--	--	--
OU2MW-08I	Montauk Highway	--	--	--	--	--	--	--	0.364	--	--	0.381	--	--	--	--
OU2MW-08I2	Montauk Highway	--	--	--	--	--	--	--	0.409	--	--	0.539	--	--	--	--
OU2MW-08D	Montauk Highway	--	--	--	--	--	--	--	0.036	--	--	0.049	--	--	--	--

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

Well ID	Oxygen Injection System	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	Jun-06
Dissolved Oxygen (mg/L)																
OU2MW-35S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45S	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45I	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45D	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46S	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46I	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47S	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47I	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47D	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28S	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29D	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30S	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30I3	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30D	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30D2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-31I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-31I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32S	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32D	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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

Well ID	Oxygen Injection System	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	Jun-06
OU2MW-19I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-19I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-19D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20S	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43S	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44S	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GMP-01	Manatuck Lane	--	0.0	0.0	0.3	0.0	0.0	--	--	--	0.0	--	0.0	--	--	1.0
GMP-02	Manatuck Lane	0.0	0.0	0.0	0.3	0.0	0.0	--	--	--	0.0	--	11.3	--	--	20.0
GMP-04	Manatuck Lane	0.0	0.0	0.0	0.3	0.0	0.0	--	--	--	0.0	--	0.0	--	--	1.2
OU2MW-06S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-06	Manatuck Lane	--	--	--	--	--	--	--	--	0.0	--	0.0	0.0	0.1	25.0	26.0
OU2MW-07S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-07	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	7.0	--	--	--	40.0
OU2MW-52S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-52I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-52D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-25S	Montauk Highway	--	0.0	1.1	1.8	--	3.0	--	--	--	9.9	20.0	26.5	39.0	33.0	24.0
BBMW-25I	Montauk Highway	0.0	0.0	0.0	0.3	--	0.8	--	--	20.0	0.0	7.3	13.0	12.0	25.0	27.0
BBMW-25D	Montauk Highway	0.0	0.0	0.0	0.4	--	0.3	--	--	--	--	--	0.0	--	--	6.5
OU2MW-01WT	Montauk Highway	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-01S	Montauk Highway	--	--	--	--	--	3.0	--	--	0.4	--	--	0.0	0.0	0.0	2.0
OU2MW-01I	Montauk Highway	--	--	--	--	--	2.4	--	--	0.4	--	20.0	29.0	35.0	37.0	35.0
OU2MW-01I2	Montauk Highway	--	--	--	--	--	--	--	--	0.4	--	0.0	0.0	0.0	0.3	3.0
OU2MW-01D	Montauk Highway	--	--	--	--	--	--	--	--	--	--	--	0.0	--	--	0.0
OU2MW-02S	Montauk Highway	--	--	--	--	--	1.8	--	--	--	--	0.0	0.0	--	--	1.1
OU2MW-02I	Montauk Highway	--	--	--	--	--	0.4	--	--	--	--	0.0	--	--	--	1.6
OU2MW-02I2	Montauk Highway	--	--	--	--	--	0.5	--	--	--	--	0.0	--	--	--	1.5
OU2MW-02D	Montauk Highway	--	--	--	--	--	0.9	--	--	--	--	0.0	--	--	--	1.6
OU2MW-03S	Montauk Highway	--	--	--	--	--	--	0.0	--	--	--	--	0.0	--	--	1.8
OU2MW-03I	Montauk Highway	--	--	--	--	--	--	--	--	--	--	--	0.0	--	--	1.7
OU2MW-03I2	Montauk Highway	--	--	--	--	--	--	0.0	--	--	--	--	0.0	--	--	1.9
OU2MW-03D	Montauk Highway	--	--	--	--	--	--	0.0	--	--	--	--	0.0	--	--	1.7
OU2MW-04WT	Montauk Highway	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-04S	Montauk Highway	--	--	--	--	--	--	5.3	--	--	--	--	0.0	--	--	1.8
OU2MW-04I	Montauk Highway	--	--	--	--	--	--	4.7	--	--	--	--	0.0	--	--	2.1
OU2MW-04I2	Montauk Highway	--	--	--	--	--	--	2.0	--	--	--	--	0.0	--	--	1.9
OU2MW-04D	Montauk Highway	--	--	--	--	--	--	0.3	--	--	--	--	0.0	--	--	2.0
OU2MW-08WT	Montauk Highway	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08S	Montauk Highway	--	--	--	--	--	--	--	0.0	--	--	0.0	--	--	--	--
OU2MW-08I	Montauk Highway	--	--	--	--	--	--	--	0.0	--	--	0.0	--	--	--	--
OU2MW-08I2	Montauk Highway	--	--	--	--	--	--	--	0.0	--	--	0.0	--	--	--	--
OU2MW-08D	Montauk Highway	--	--	--	--	--	--	--	0.0	--	--	0.0	--	--	--	--

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

Well ID	Oxygen Injection System	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	Jun-06
Oxidation Reduction Potential (mV)																
OU2MW-35S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45S	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45I	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45D	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46S	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46I	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47S	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47I	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47D	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28S	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29D	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30S	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30I3	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30D	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30D2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-31I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-31I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32S	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32D	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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

Well ID	Oxygen Injection System	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	Jun-06
OU2MW-19I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-19I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-19D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20S	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43S	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44S	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GMP-01	Manatuck Lane	--	-155	-138	-149	-159	-163	--	--	--	-156	--	-164	--	--	-160
GMP-02	Manatuck Lane	-127	-106	-93	-124	-108	-91	--	--	--	-108	--	82	--	--	109
GMP-04	Manatuck Lane	-119	-123	-118	-126	-141	-142	--	--	--	-139	--	-144	--	--	-132
OU2MW-06S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-06	Manatuck Lane	--	--	--	--	--	--	--	--	-344	--	-104	-105	19	218	269
OU2MW-07S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-07	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	7	--	--	--	203
OU2MW-52S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-52I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-52D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-25S	Montauk Highway	--	93	118	115	--	-92	--	--	--	151	148	202	166.9	216	180
BBMW-25I	Montauk Highway	-80	-94	-80	-95	--	217	--	--	--	-88	-52	-38.3	-32.4	17.6	163
BBMW-25D	Montauk Highway	92	67	72	76	--	7	--	--	--	--	--	59	--	--	90
OU2MW-01WT	Montauk Highway	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-01S	Montauk Highway	--	--	--	--	--	-116	--	--	-462	--	--	-101.2	-99.9	-78	-104
OU2MW-01I	Montauk Highway	--	--	--	--	--	15	--	--	-477	--	123	193	148	207	139
OU2MW-01I2	Montauk Highway	--	--	--	--	--	--	--	--	-480	--	-54	-37.2	-38.6	-25.9	-45
OU2MW-01D	Montauk Highway	--	--	--	--	--	--	--	--	--	--	--	66	--	--	104
OU2MW-02S	Montauk Highway	--	--	--	--	--	-183	--	--	--	--	-155	-115	--	--	-176
OU2MW-02I	Montauk Highway	--	--	--	--	--	101	--	--	--	--	51	--	--	--	69
OU2MW-02I2	Montauk Highway	--	--	--	--	--	-6	--	--	--	--	-33	--	--	--	-15
OU2MW-02D	Montauk Highway	--	--	--	--	--	69	--	--	--	--	26	--	--	--	105
OU2MW-03S	Montauk Highway	--	--	--	--	--	--	-158	--	--	--	--	-148	--	--	-168
OU2MW-03I	Montauk Highway	--	--	--	--	--	--	--	--	--	--	--	105	--	--	111
OU2MW-03I2	Montauk Highway	--	--	--	--	--	--	-61	--	--	--	--	-23	--	--	-56
OU2MW-03D	Montauk Highway	--	--	--	--	--	--	-19	--	--	--	--	43	--	--	29
OU2MW-04WT	Montauk Highway	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-04S	Montauk Highway	--	--	--	--	--	--	-157	--	--	--	--	-157	--	--	-165
OU2MW-04I	Montauk Highway	--	--	--	--	--	--	-120	--	--	--	--	-99	--	--	-120
OU2MW-04I2	Montauk Highway	--	--	--	--	--	--	-23	--	--	--	--	-56	--	--	-49
OU2MW-04D	Montauk Highway	--	--	--	--	--	--	-104	--	--	--	--	-52	--	--	-29
OU2MW-08WT	Montauk Highway	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08S	Montauk Highway	--	--	--	--	--	--	--	-142	--	--	-129	--	--	--	--
OU2MW-08I	Montauk Highway	--	--	--	--	--	--	--	-44	--	--	-44	--	--	--	--
OU2MW-08I2	Montauk Highway	--	--	--	--	--	--	--	-102	--	--	-125	--	--	--	--
OU2MW-08D	Montauk Highway	--	--	--	--	--	--	--	60	--	--	-206	--	--	--	--

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

Well ID	Oxygen Injection System	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	Jun-06
pH (SU)																
OU2MW-35S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45S	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45I	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45D	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46S	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46I	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47S	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47I	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47D	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28S	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29D	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30S	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30I3	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30D	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30D2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-31I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-31I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32S	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32D	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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

Well ID	Oxygen Injection System	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	Jun-06
OU2MW-19I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-19I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-19D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20S	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43S	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44S	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GMP-01	Manatuck Lane	--	6.84	6.80	6.74	6.85	6.89	--	--	--	6.75	--	6.81	--	--	7.10
GMP-02	Manatuck Lane	6.79	6.53	6.63	6.55	6.63	6.61	--	--	--	6.55	--	6.08	--	--	6.20
GMP-04	Manatuck Lane	6.91	6.74	6.66	6.69	6.83	6.77	--	--	--	6.75	--	6.75	--	--	6.75
OU2MW-06S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-06	Manatuck Lane	--	--	--	--	--	--	--	--	7.68	--	6.87	6.73	6.28	5.36	5.04
OU2MW-07S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-07	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	6.33	--	--	--	5.68
OU2MW-52S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-52I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-52D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-25S	Montauk Highway	--	6.27	6.23	5.99	--	6.51	--	--	--	6.09	6.28	6.34	6.40	6.50	6.21
BBMW-25I	Montauk Highway	6.77	6.56	6.55	6.32	--	6.18	--	--	--	6.44	6.49	6.56	6.58	6.51	6.44
BBMW-25D	Montauk Highway	5.89	5.35	5.71	5.52	--	5.92	--	--	--	--	--	5.75	--	--	5.71
OU2MW-01WT	Montauk Highway	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-01S	Montauk Highway	--	--	--	--	--	6.61	--	--	7.09	--	--	6.49	6.57	6.50	6.34
OU2MW-01I	Montauk Highway	--	--	--	--	--	6.14	--	--	7.12	--	6.22	6.25	6.28	6.26	6.04
OU2MW-01I2	Montauk Highway	--	--	--	--	--	--	--	--	7.05	--	6.46	6.50	6.53	6.52	6.20
OU2MW-01D	Montauk Highway	--	--	--	--	--	--	--	--	--	--	--	5.56	--	--	4.95
OU2MW-02S	Montauk Highway	--	--	--	--	--	6.88	--	--	--	--	6.97	6.62	--	--	6.81
OU2MW-02I	Montauk Highway	--	--	--	--	--	6.12	--	--	--	--	6.23	--	--	--	6.22
OU2MW-02I2	Montauk Highway	--	--	--	--	--	6.14	--	--	--	--	6.33	--	--	--	5.83
OU2MW-02D	Montauk Highway	--	--	--	--	--	5.74	--	--	--	--	5.69	--	--	--	4.97
OU2MW-03S	Montauk Highway	--	--	--	--	--	--	6.85	--	--	--	--	6.94	--	--	6.79
OU2MW-03I	Montauk Highway	--	--	--	--	--	--	--	--	--	--	--	5.84	--	--	5.62
OU2MW-03I2	Montauk Highway	--	--	--	--	--	--	6.43	--	--	--	--	6.32	--	--	6.35
OU2MW-03D	Montauk Highway	--	--	--	--	--	--	5.83	--	--	--	--	5.91	--	--	5.75
OU2MW-04WT	Montauk Highway	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-04S	Montauk Highway	--	--	--	--	--	--	6.83	--	--	--	--	6.88	--	--	6.91
OU2MW-04I	Montauk Highway	--	--	--	--	--	--	6.66	--	--	--	--	6.52	--	--	6.59
OU2MW-04I2	Montauk Highway	--	--	--	--	--	--	6.25	--	--	--	--	6.24	--	--	6.40
OU2MW-04D	Montauk Highway	--	--	--	--	--	--	7.06	--	--	--	--	6.28	--	--	6.41
OU2MW-08WT	Montauk Highway	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08S	Montauk Highway	--	--	--	--	--	--	--	7.18	--	--	6.90	--	--	--	--
OU2MW-08I	Montauk Highway	--	--	--	--	--	--	--	6.68	--	--	6.40	--	--	--	--
OU2MW-08I2	Montauk Highway	--	--	--	--	--	--	--	6.89	--	--	6.68	--	--	--	--
OU2MW-08D	Montauk Highway	--	--	--	--	--	--	--	5.75	--	--	5.87	--	--	--	--

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

Well ID	Oxygen Injection System	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	Jun-06
Temperature (degrees Celcius)																
OU2MW-35S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45S	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45I	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45D	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46S	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46I	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47S	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47I	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47D	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28S	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29D	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30S	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30I3	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30D	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30D2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-31I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-31I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32S	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32D	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-19I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-19I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-19D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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

Well ID	Oxygen Injection System	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	Jun-06
OU2MW-20S	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43S	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44S	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GMP-01	Manatuck Lane	--	16.7	12.6	11.9	14.3	16.3	--	--	--	13.5	--	12.1	--	--	14.1
GMP-02	Manatuck Lane	12.3	15.8	12.1	10.0	13.9	15.3	--	--	--	13.3	--	12.4	--	--	13.6
GMP-04	Manatuck Lane	11.9	16.1	13.2	11.1	13.4	16.4	--	--	--	15.2	--	11.9	--	--	13.3
OU2MW-06S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-06	Manatuck Lane	--	--	--	--	--	--	--	--	14.7	--	12.0	11.9	10.7	13.9	14.5
OU2MW-07S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-07	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	12.3	--	--	--	14.8
OU2MW-52S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-52I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-52D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-25S	Montauk Highway	--	19.1	13.8	10.5	--	18.2	--	--	--	13.3	11.2	12.1	12.2	16.4	20.6
BBMW-25I	Montauk Highway	14.4	15.6	13.9	13.1	--	21.7	--	--	--	13.5	14.0	15.0	13.1	15.9	21.0
BBMW-25D	Montauk Highway	13.2	15.6	13.1	11.4	--	16.7	--	--	--	--	--	12.4	--	--	19.1
OU2MW-01WT	Montauk Highway	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-01S	Montauk Highway	--	--	--	--	--	18.4	--	--	15.0	--	--	14.2	12.6	15.9	18.1
OU2MW-01I	Montauk Highway	--	--	--	--	--	18.4	--	--	13.4	--	12.0	14.2	12.8	15.8	16.8
OU2MW-01I2	Montauk Highway	--	--	--	--	--	--	--	--	12.8	--	12.5	13.1	12.4	15.6	16.9
OU2MW-01D	Montauk Highway	--	--	--	--	--	--	--	--	--	--	--	11.9	--	--	16.3
OU2MW-02S	Montauk Highway	--	--	--	--	--	16.7	--	--	--	--	11.8	13.5	--	--	16.3
OU2MW-02I	Montauk Highway	--	--	--	--	--	18.0	--	--	--	--	12.4	--	--	--	16.1
OU2MW-02I2	Montauk Highway	--	--	--	--	--	16.0	--	--	--	--	11.7	--	--	--	15.2
OU2MW-02D	Montauk Highway	--	--	--	--	--	17.2	--	--	--	--	11.6	--	--	--	14.4
OU2MW-03S	Montauk Highway	--	--	--	--	--	--	16.5	--	--	--	--	12.6	--	--	15.0
OU2MW-03I	Montauk Highway	--	--	--	--	--	--	--	--	--	--	--	13.1	--	--	14.4
OU2MW-03I2	Montauk Highway	--	--	--	--	--	--	15.7	--	--	--	--	11.9	--	--	14.8
OU2MW-03D	Montauk Highway	--	--	--	--	--	--	15.0	--	--	--	--	10.8	--	--	14.0
OU2MW-04WT	Montauk Highway	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-04S	Montauk Highway	--	--	--	--	--	--	15.5	--	--	--	--	12.1	--	--	15.5
OU2MW-04I	Montauk Highway	--	--	--	--	--	--	16.0	--	--	--	--	12.2	--	--	16.0
OU2MW-04I2	Montauk Highway	--	--	--	--	--	--	15.2	--	--	--	--	11.3	--	--	15.1
OU2MW-04D	Montauk Highway	--	--	--	--	--	--	14.7	--	--	--	--	11.0	--	--	15.5
OU2MW-08WT	Montauk Highway	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08S	Montauk Highway	--	--	--	--	--	--	--	17.6	--	--	14.7	--	--	--	--
OU2MW-08I	Montauk Highway	--	--	--	--	--	--	--	16.8	--	--	13.3	--	--	--	--
OU2MW-08I2	Montauk Highway	--	--	--	--	--	--	--	17.0	--	--	13.1	--	--	--	--
OU2MW-08D	Montauk Highway	--	--	--	--	--	--	--	16.2	--	--	12.5	--	--	--	--

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

Well ID	Oxygen Injection System	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	Aug-07	Sep-07
Conductivity (mS/cm)																
OU2MW-35S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45S	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45I	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45D	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46S	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46I	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47S	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47I	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47D	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28S	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29D	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30S	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30I3	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30D	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30D2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-31I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-31I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32S	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32D	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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

Well ID	Oxygen Injection System	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	Aug-07	Sep-07
OU2MW-19I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-19I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-19D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20S	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43S	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44S	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GMP-01	Manatuck Lane	--	0.442	--	--	--	0.866	--	--	--	0.631	0.562	--	--	--	0.263
GMP-02	Manatuck Lane	--	0.467	--	--	--	0.640	--	--	--	0.598	0.771	--	--	--	0.586
GMP-04	Manatuck Lane	--	0.433	--	--	--	0.742	--	--	--	--	0.524	--	--	--	0.450
OU2MW-06S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	0.294	--	--	0.169
OU2MW-06	Manatuck Lane	0.086	0.133	0.118	0.064	0.259	0.171	0.429	0.437	0.329	0.327	0.284	--	--	0.225	0.314
OU2MW-07S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	0.167	--	--	0.126
OU2MW-07	Manatuck Lane	0.356	0.274	0.279	0.307	0.549	0.289	0.511	0.491	0.319	0.437	0.531	--	--	0.334	0.365
OU2MW-52S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-52I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-52D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-25S	Montauk Highway	0.310	0.314	0.303	0.336	0.376	--	0.452	0.359	0.363	--	0.353	0.349	0.277	0.348	0.351
BBMW-25I	Montauk Highway	0.444	0.604	0.472	0.535	0.626	0.411	0.629	0.586	--	0.474	0.427	0.472	0.417	--	0.441
BBMW-25D	Montauk Highway	--	--	0.084	--	0.100	0.047	--	--	0.034	0.048	0.055	0.063	0.073	0.049	0.062
OU2MW-01WT	Montauk Highway	--	--	--	--	--	--	--	--	--	--	--	0.710	0.648	--	--
OU2MW-01S	Montauk Highway	0.539	0.579	0.483	0.643	0.768	0.529	0.819	0.737	--	0.720	0.658	0.787	0.594	--	0.510
OU2MW-01I	Montauk Highway	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	0.561	0.636
OU2MW-01I2	Montauk Highway	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	0.093	0.062
OU2MW-01D	Montauk Highway	--	--	0.035	--	0.041	--	--	--	0.032	0.040	0.034	0.069	0.042	0.038	0.041
OU2MW-02S	Montauk Highway	--	--	0.406	--	0.444	--	--	--	0.432	--	0.654	--	--	--	0.390
OU2MW-02I	Montauk Highway	--	--	0.201	--	0.230	--	--	--	0.271	--	0.301	--	--	--	0.186
OU2MW-02I2	Montauk Highway	--	--	0.064	--	0.068	--	--	--	0.087	--	0.093	--	--	--	0.072
OU2MW-02D	Montauk Highway	--	--	0.036	--	--	--	--	--	0.050	--	0.042	--	--	--	0.038
OU2MW-03S	Montauk Highway	--	--	0.557	--	0.047	--	--	--	0.609	--	0.440	--	--	--	0.434
OU2MW-03I	Montauk Highway	--	--	0.200	--	0.545	--	--	--	0.460	--	0.536	--	--	--	0.289
OU2MW-03I2	Montauk Highway	--	--	0.060	--	0.071	--	--	--	0.108	--	0.081	--	--	--	0.054
OU2MW-03D	Montauk Highway	--	--	0.034	--	0.047	--	--	--	0.051	--	0.065	--	--	--	0.039
OU2MW-04WT	Montauk Highway	--	--	--	--	--	--	--	--	--	--	--	0.222	--	--	0.240
OU2MW-04S	Montauk Highway	--	--	0.535	--	0.680	--	--	--	0.675	--	0.759	--	--	--	0.547
OU2MW-04I	Montauk Highway	--	--	0.497	--	0.614	--	--	--	0.437	--	0.462	--	--	--	0.359
OU2MW-04I2	Montauk Highway	--	--	0.195	--	0.198	--	--	--	0.183	--	0.100	--	--	--	0.063
OU2MW-04D	Montauk Highway	--	--	0.045	--	0.056	--	--	--	0.063	--	0.040	--	--	--	0.048
OU2MW-08WT	Montauk Highway	--	--	--	--	--	--	--	--	--	--	--	0.681	1.380	--	0.542
OU2MW-08S	Montauk Highway	--	0.564	--	--	0.904	--	--	--	0.778	--	--	0.516	0.999	0.617	--
OU2MW-08I	Montauk Highway	--	0.293	--	--	0.433	--	--	--	0.404	--	--	0.373	0.185	0.254	--
OU2MW-08I2	Montauk Highway	--	0.397	--	--	0.775	--	--	--	0.761	--	--	0.461	0.552	0.519	--
OU2MW-08D	Montauk Highway	--	0.035	--	--	0.061	--	--	--	0.054	--	--	0.038	0.037	0.047	--

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

Well ID	Oxygen Injection System	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	Aug-07	Sep-07
Dissolved Oxygen (mg/L)																
OU2MW-35S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45S	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45I	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45D	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46S	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46I	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47S	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47I	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47D	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28S	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29D	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30S	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30I3	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30D	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30D2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-31I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-31I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32S	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32D	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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

Well ID	Oxygen Injection System	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	Aug-07	Sep-07
OU2MW-19I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-19I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-19D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20S	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43S	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44S	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GMP-01	Manatuck Lane	--	0.0	--	--	--	1.2	--	--	--	0.0	1.1	--	--	--	0.0
GMP-02	Manatuck Lane	--	20.0	--	--	--	15.0	--	--	--	20.0	20.0	--	--	--	20.0
GMP-04	Manatuck Lane	--	0.0	--	--	--	1.2	--	--	--	--	0.8	--	--	--	0.0
OU2MW-06S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	15.7	--	--	4.0
OU2MW-06	Manatuck Lane	41.0	19.0	30.0	49.0	51.0	35.0	29.0	20.0	28.0	35.0	30.0	--	--	23.0	23.0
OU2MW-07S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	20.0	--	--	10.9
OU2MW-07	Manatuck Lane	6.0	31.0	36.0	43.0	40.0	35.0	31.0	34.0	40.0	36.0	37.0	--	--	12.0	36.0
OU2MW-52S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-52I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-52D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-25S	Montauk Highway	17.0	27.0	32.0	33.0	37.0	--	36.0	35.0	28.0	--	26.0	28.0	20.0	34.0	34.0
BBMW-25I	Montauk Highway	19.0	20.0	25.0	26.0	14.0	7.0	10.0	20.0	--	26.0	25.0	28.0	20.0	--	17.7
BBMW-25D	Montauk Highway	--	--	20.0	--	27.0	17.0	--	--	16.0	19.0	32.0	29.0	20.0	22.0	30.0
OU2MW-01WT	Montauk Highway	--	--	--	--	--	--	--	--	--	--	--	15.7	16.2	--	--
OU2MW-01S	Montauk Highway	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	--	0.0	0.0	7.0	1.1	--	0.0
OU2MW-01I	Montauk Highway	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	32.0	45.0
OU2MW-01I2	Montauk Highway	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	17.0	17.0
OU2MW-01D	Montauk Highway	--	--	0.0	--	0.0	--	--	--	4.0	1.0	0.0	0.0	0.0	0.3	0.0
OU2MW-02S	Montauk Highway	--	--	0.0	--	0.0	--	--	--	20.0	--	0.0	--	--	--	0.1
OU2MW-02I	Montauk Highway	--	--	0.0	--	0.0	--	--	--	0.0	--	0.0	--	--	--	0.0
OU2MW-02I2	Montauk Highway	--	--	0.0	--	0.0	--	--	--	0.0	--	0.0	--	--	--	0.0
OU2MW-02D	Montauk Highway	--	--	0.0	--	--	--	--	--	0.0	--	0.0	--	--	--	0.0
OU2MW-03S	Montauk Highway	--	--	0.0	--	0.0	--	--	--	0.0	--	0.0	--	--	--	0.0
OU2MW-03I	Montauk Highway	--	--	0.0	--	0.0	--	--	--	4.1	--	17.8	--	--	--	20.0
OU2MW-03I2	Montauk Highway	--	--	0.0	--	0.0	--	--	--	0.0	--	0.0	--	--	--	0.0
OU2MW-03D	Montauk Highway	--	--	0.0	--	0.0	--	--	--	0.0	--	0.0	--	--	--	0.0
OU2MW-04WT	Montauk Highway	--	--	--	--	--	--	--	--	--	--	--	7.3	--	--	0.0
OU2MW-04S	Montauk Highway	--	--	0.0	--	0.0	--	--	--	0.0	--	0.0	--	--	--	0.0
OU2MW-04I	Montauk Highway	--	--	0.0	--	0.0	--	--	--	16.4	--	10.1	--	--	--	0.0
OU2MW-04I2	Montauk Highway	--	--	0.1	--	0.0	--	--	--	0.0	--	0.0	--	--	--	0.0
OU2MW-04D	Montauk Highway	--	--	0.0	--	0.0	--	--	--	0.0	--	0.0	--	--	--	0.0
OU2MW-08WT	Montauk Highway	--	--	--	--	--	--	--	--	--	--	--	0.0	0.0	--	0.0
OU2MW-08S	Montauk Highway	--	0.0	--	--	0.0	--	--	--	0.0	--	--	3.0	0.2	0.0	--
OU2MW-08I	Montauk Highway	--	0.0	--	--	0.0	--	--	--	0.0	--	--	2.6	0.0	0.0	--
OU2MW-08I2	Montauk Highway	--	0.0	--	--	0.0	--	--	--	0.0	--	--	2.7	1.3	0.0	--
OU2MW-08D	Montauk Highway	--	0.0	--	--	0.0	--	--	--	0.0	--	--	2.7	0.0	0.0	--

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

Well ID	Oxygen Injection System	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	Aug-07	Sep-07
Oxidation Reduction Potential (mV)																
OU2MW-35S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45S	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45I	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45D	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46S	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46I	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47S	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47I	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47D	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28S	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29D	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30S	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30I3	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30D	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30D2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-31I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-31I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32S	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32D	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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

Well ID	Oxygen Injection System	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	Aug-07	Sep-07
OU2MW-19I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-19I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-19D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20S	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43S	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44S	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GMP-01	Manatuck Lane	--	-174	--	--	--	-168	--	--	--	-249	-168	--	--	--	-165
GMP-02	Manatuck Lane	--	107	--	--	--	114	--	--	--	8	164	--	--	--	130
GMP-04	Manatuck Lane	--	-93	--	--	--	-59	--	--	--	--	-37	--	--	--	-31
OU2MW-06S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	349	--	--	186
OU2MW-06	Manatuck Lane	318	191	167	171	150	239	52	-171	180	232	229	--	--	198	53
OU2MW-07S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	399	--	--	169
OU2MW-07	Manatuck Lane	204	140	138	150	101	230	57	-154	228	185	198	--	--	180	62
OU2MW-52S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-52I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-52D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-25S	Montauk Highway	248	137	112.6	146	185	--	260	128	630	--	215	410	201	184	263
BBMW-25I	Montauk Highway	41	10	52.8	49	20	-2	53	69	--	26	40	208	41	--	59
BBMW-25D	Montauk Highway	--	--	99	--	172	197	--	--	198	295	278	441	201	265	242
OU2MW-01WT	Montauk Highway	--	--	--	--	--	--	--	--	--	--	--	226	97	--	--
OU2MW-01S	Montauk Highway	-52	-117	-71	-67	-61	-70	-54	-89	--	-96	-64	-44	-28	--	-45
OU2MW-01I	Montauk Highway	298	163	157	149	188	191	223	197	476	237	101	187	207	203	165
OU2MW-01I2	Montauk Highway	93	27	148	53	102	85	140	158	144	137	136	226	82	120	200
OU2MW-01D	Montauk Highway	--	--	62	--	69	--	--	--	402	120	-25	50	38	-37	101
OU2MW-02S	Montauk Highway	--	--	-145	--	-131	--	--	--	57	--	-84	--	--	--	-40
OU2MW-02I	Montauk Highway	--	--	118.2	--	40	--	--	--	52	--	59	--	--	--	32
OU2MW-02I2	Montauk Highway	--	--	-25	--	-3	--	--	--	-25	--	1	--	--	--	-15
OU2MW-02D	Montauk Highway	--	--	85	--	--	--	--	--	65	--	98	--	--	--	102
OU2MW-03S	Montauk Highway	--	--	-154	--	47	--	--	--	-129	--	-187	--	--	--	-138
OU2MW-03I	Montauk Highway	--	--	107	--	131	--	--	--	174	--	218	--	--	--	199
OU2MW-03I2	Montauk Highway	--	--	-27	--	-44	--	--	--	-10	--	-124	--	--	--	-16
OU2MW-03D	Montauk Highway	--	--	43	--	9	--	--	--	60	--	90	--	--	--	44
OU2MW-04WT	Montauk Highway	--	--	--	--	--	--	--	--	--	--	--	141	--	--	83
OU2MW-04S	Montauk Highway	--	--	-149	--	-138	--	--	--	-119	--	-144	--	--	--	-132
OU2MW-04I	Montauk Highway	--	--	-93	--	-88	--	--	--	110	--	69	--	--	--	55
OU2MW-04I2	Montauk Highway	--	--	-31.5	--	-17	--	--	--	2	--	-80	--	--	--	-35
OU2MW-04D	Montauk Highway	--	--	-15	--	-7	--	--	--	2	--	-102	--	--	--	-23
OU2MW-08WT	Montauk Highway	--	--	--	--	--	--	--	--	--	--	--	-3	144	--	97
OU2MW-08S	Montauk Highway	--	-143	--	--	-128	--	--	--	-94	--	--	-153	-137	-140	--
OU2MW-08I	Montauk Highway	--	-55	--	--	-32	--	--	--	3	--	--	-48	7	-47	--
OU2MW-08I2	Montauk Highway	--	-132	--	--	-117	--	--	--	-69	--	--	-113	-114	-125	--
OU2MW-08D	Montauk Highway	--	-21	--	--	35	--	--	--	74	--	--	85	56	29	--

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

Well ID	Oxygen Injection System	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	Aug-07	Sep-07
pH (SU)																
OU2MW-35S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45S	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45I	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45D	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46S	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46I	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47S	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47I	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47D	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28S	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29D	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30S	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30I3	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30D	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30D2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-31I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-31I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32S	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32D	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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

Well ID	Oxygen Injection System	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	Aug-07	Sep-07
OU2MW-19I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-19I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-19D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20S	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43S	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44S	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GMP-01	Manatuck Lane	--	6.93	--	--	--	7.28	--	--	--	6.71	6.94	--	--	--	7.81
GMP-02	Manatuck Lane	--	6.28	--	--	--	6.63	--	--	--	6.05	6.30	--	--	--	6.08
GMP-04	Manatuck Lane	--	6.45	--	--	--	6.82	--	--	--	--	6.44	--	--	--	7.05
OU2MW-06S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	6.47	--	--	6.83
OU2MW-06	Manatuck Lane	4.69	5.61	5.98	6.05	6.11	6.47	5.56	5.68	6.29	5.95	6.03	--	--	5.74	6.25
OU2MW-07S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	5.88	--	--	5.84
OU2MW-07	Manatuck Lane	5.61	6.10	6.39	6.21	6.56	6.35	6.10	6.03	6.52	5.95	6.19	--	--	5.83	6.62
OU2MW-52S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-52I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-52D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-25S	Montauk Highway	5.02	6.41	6.55	6.39	6.11	--	6.24	6.11	6.20	--	6.39	6.23	6.34	6.06	6.82
BBMW-25I	Montauk Highway	6.10	6.49	6.44	6.29	6.47	5.90	6.20	6.12	--	6.21	6.38	6.22	6.15	--	6.69
BBMW-25D	Montauk Highway	--	--	5.78	--	5.60	6.06	--	--	4.91	4.68	5.58	5.41	6.34	5.01	5.56
OU2MW-01WT	Montauk Highway	--	--	--	--	--	--	--	--	--	--	--	6.51	6.32	--	--
OU2MW-01S	Montauk Highway	6.81	6.57	6.48	6.36	6.65	7.01	6.34	6.25	--	6.34	6.18	6.25	6.33	--	6.75
OU2MW-01I	Montauk Highway	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	5.73	6.17
OU2MW-01I2	Montauk Highway	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	6.02	6.25
OU2MW-01D	Montauk Highway	--	--	5.53	--	5.56	--	--	--	6.05	4.81	5.33	6.15	5.43	5.69	5.57
OU2MW-02S	Montauk Highway	--	--	6.72	--	7.15	--	--	--	6.26	--	6.49	--	--	--	6.63
OU2MW-02I	Montauk Highway	--	--	6.26	--	6.61	--	--	--	5.48	--	6.06	--	--	--	6.61
OU2MW-02I2	Montauk Highway	--	--	6.11	--	6.43	--	--	--	6.20	--	5.99	--	--	--	6.46
OU2MW-02D	Montauk Highway	--	--	5.27	--	--	--	--	--	5.40	--	5.64	--	--	--	5.64
OU2MW-03S	Montauk Highway	--	--	6.74	--	6.14	--	--	--	6.72	--	6.98	--	--	--	7.42
OU2MW-03I	Montauk Highway	--	--	5.81	--	5.99	--	--	--	6.02	--	5.84	--	--	--	5.98
OU2MW-03I2	Montauk Highway	--	--	6.33	--	6.67	--	--	--	6.23	--	6.29	--	--	--	6.68
OU2MW-03D	Montauk Highway	--	--	5.97	--	6.43	--	--	--	5.92	--	5.24	--	--	--	6.31
OU2MW-04WT	Montauk Highway	--	--	--	--	--	--	--	--	--	--	--	6.15	--	--	6.70
OU2MW-04S	Montauk Highway	--	--	6.48	--	7.10	--	--	--	6.78	--	6.93	--	--	--	6.59
OU2MW-04I	Montauk Highway	--	--	6.21	--	6.73	--	--	--	5.48	--	5.78	--	--	--	6.17
OU2MW-04I2	Montauk Highway	--	--	6.56	--	6.64	--	--	--	6.25	--	6.39	--	--	--	6.29
OU2MW-04D	Montauk Highway	--	--	6.06	--	6.73	--	--	--	6.20	--	6.26	--	--	--	6.72
OU2MW-08WT	Montauk Highway	--	--	--	--	--	--	--	--	--	--	--	6.31	6.49	--	6.52
OU2MW-08S	Montauk Highway	--	6.78	--	--	7.23	--	--	--	6.64	--	--	6.75	6.81	6.74	--
OU2MW-08I	Montauk Highway	--	6.40	--	--	6.80	--	--	--	6.14	--	--	6.37	6.28	6.30	--
OU2MW-08I2	Montauk Highway	--	6.60	--	--	7.00	--	--	--	6.30	--	--	6.61	6.34	6.56	--
OU2MW-08D	Montauk Highway	--	5.98	--	--	6.21	--	--	--	5.63	--	--	5.44	5.70	5.67	--

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

Well ID	Oxygen Injection System	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	Aug-07	Sep-07
Temperature (degrees Celcius)																
OU2MW-35S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45S	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45I	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45D	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46S	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46I	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47S	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47I	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47D	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28S	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29D	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30S	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30I3	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30D	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30D2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-31I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-31I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32S	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32D	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-19I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-19I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-19D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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

Well ID	Oxygen Injection System	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	Aug-07	Sep-07
OU2MW-20S	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43S	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44S	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GMP-01	Manatuck Lane	--	15.6	--	--	--	14.3	--	--	--	12.2	13.0	--	--	--	18.6
GMP-02	Manatuck Lane	--	14.9	--	--	--	13.1	--	--	--	11.9	11.8	--	--	--	17.4
GMP-04	Manatuck Lane	--	16.5	--	--	--	15.5	--	--	--	--	11.8	--	--	--	19.5
OU2MW-06S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	18.8	--	--	20.9
OU2MW-06	Manatuck Lane	16.8	14.7	15.4	14.4	13.7	11.7	12.2	7.5	11.8	18.6	18.0	--	--	18.3	16.5
OU2MW-07S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	16.6	--	--	22.0
OU2MW-07	Manatuck Lane	17.0	15.7	16.7	15.7	15.4	13.4	12.8	10.3	11.9	14.0	12.2	--	--	16.7	18.2
OU2MW-52S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-52I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-52D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-25S	Montauk Highway	24.0	20.8	20.0	16.2	17.4	--	12.1	10.7	17.5	--	17.6	17.1	19.5	22.7	20.8
BBMW-25I	Montauk Highway	22.2	17.0	17.2	14.5	16.8	13.7	12.1	13.4	--	15.0	17.0	15.2	18.0	--	18.7
BBMW-25D	Montauk Highway	--	--	16.8	--	15.8	13.0	--	--	11.4	14.1	14.8	16.0	19.5	20.2	14.5
OU2MW-01WT	Montauk Highway	--	--	--	--	--	--	--	--	--	--	--	17.1	21.3	--	--
OU2MW-01S	Montauk Highway	23.7	21.0	18.2	16.6	17.0	12.0	8.5	11.4	--	17.8	15.4	15.5	17.6	--	24.9
OU2MW-01I	Montauk Highway	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	21.6	21.2
OU2MW-01I2	Montauk Highway	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	23.0	18.9
OU2MW-01D	Montauk Highway	--	--	18.3	--	16.0	--	--	--	14.9	15.6	14.9	17.9	16.8	18.5	19.4
OU2MW-02S	Montauk Highway	--	--	17.8	--	17.2	--	--	--	11.5	--	13.2	--	--	--	21.1
OU2MW-02I	Montauk Highway	--	--	16.6	--	14.0	--	--	--	11.1	--	13.6	--	--	--	19.8
OU2MW-02I2	Montauk Highway	--	--	17.9	--	15.1	--	--	--	13.0	--	12.4	--	--	--	18.8
OU2MW-02D	Montauk Highway	--	--	19.9	--	--	--	--	--	11.2	--	12.3	--	--	--	16.6
OU2MW-03S	Montauk Highway	--	--	15.2	--	13.5	--	--	--	13.4	--	13.0	--	--	--	17.5
OU2MW-03I	Montauk Highway	--	--	14.5	--	14.0	--	--	--	13.1	--	13.0	--	--	--	17.0
OU2MW-03I2	Montauk Highway	--	--	14.2	--	13.8	--	--	--	12.3	--	12.9	--	--	--	16.5
OU2MW-03D	Montauk Highway	--	--	14.0	--	13.6	--	--	--	11.6	--	12.3	--	--	--	16.5
OU2MW-04WT	Montauk Highway	--	--	--	--	--	--	--	--	--	--	--	14.3	--	--	20.5
OU2MW-04S	Montauk Highway	--	--	15.1	--	14.6	--	--	--	11.2	--	11.8	--	--	--	18.5
OU2MW-04I	Montauk Highway	--	--	14.6	--	13.9	--	--	--	12.9	--	12.5	--	--	--	17.9
OU2MW-04I2	Montauk Highway	--	--	15.9	--	13.9	--	--	--	10.7	--	13.0	--	--	--	16.2
OU2MW-04D	Montauk Highway	--	--	14.1	--	13.6	--	--	--	11.9	--	12.6	--	--	--	18.3
OU2MW-08WT	Montauk Highway	--	--	--	--	--	--	--	--	--	--	--	20.3	20.3	--	20.9
OU2MW-08S	Montauk Highway	--	18.1	--	--	16.9	--	--	--	12.5	--	--	17.4	17.4	17.1	--
OU2MW-08I	Montauk Highway	--	17.1	--	--	15.3	--	--	--	12.1	--	--	18.2	15.9	16.6	--
OU2MW-08I2	Montauk Highway	--	16.1	--	--	14.8	--	--	--	12.1	--	--	17.4	16.4	16.1	--
OU2MW-08D	Montauk Highway	--	17.1	--	--	14.5	--	--	--	11.0	--	--	16.9	16.3	15.9	--

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

Well ID	Oxygen Injection System	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	Nov-08	Dec-08
Conductivity (mS/cm)																
OU2MW-35S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45S	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45I	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45D	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46S	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46I	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47S	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47I	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47D	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28S	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29D	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30S	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30I3	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30D	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30D2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-31I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.598
OU2MW-31I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.324
OU2MW-32S	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.323
OU2MW-32I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.580
OU2MW-32I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.623
OU2MW-32D	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.428

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

Well ID	Oxygen Injection System	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	Nov-08	Dec-08
OU2MW-19I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-19I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-19D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20S	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43S	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44S	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GMP-01	Manatuck Lane	--	--	0.607	--	0.660	--	--	--	--	--	0.900	--	--	0.728	--
GMP-02	Manatuck Lane	--	--	0.756	--	0.511	--	--	--	--	--	0.412	--	--	--	0.444
GMP-04	Manatuck Lane	--	--	0.500	--	0.489	--	--	--	--	--	0.733	--	--	--	0.356
OU2MW-06S	Manatuck Lane	0.138	0.216	0.166	0.222	0.196	--	0.420	0.628	0.604	0.391	0.450	0.157	0.255	0.292	0.234
OU2MW-06	Manatuck Lane	0.098	0.315	0.308	0.274	0.313	0.440	0.302	0.419	0.340	0.544	0.502	0.120	0.450	0.436	0.481
OU2MW-07S	Manatuck Lane	0.116	0.112	0.166	0.253	0.139	--	0.407	0.442	0.424	0.329	0.306	0.128	0.153	0.208	--
OU2MW-07	Manatuck Lane	0.339	0.339	0.467	0.421	0.358	0.420	0.274	0.294	0.287	0.597	0.614	0.293	0.370	0.367	0.327
OU2MW-52S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-52I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-52D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-25S	Montauk Highway	0.440	0.209	0.316	0.267	0.276	0.342	0.203	0.215	0.301	0.466	0.408	0.451	0.267	0.320	0.230
BBMW-25I	Montauk Highway	0.450	0.433	0.558	0.580	0.504	0.726	0.537	0.491	0.550	0.844	0.815	0.902	0.469	0.654	0.486
BBMW-25D	Montauk Highway	0.057	0.052	0.049	0.063	0.047	0.085	0.072	0.070	0.073	0.117	0.111	0.133	0.068	0.101	0.080
OU2MW-01WT	Montauk Highway	0.513	0.393	0.459	0.598	0.653	--	0.491	0.541	0.544	0.859	0.999	0.900	0.689	0.800	0.596
OU2MW-01S	Montauk Highway	0.492	0.460	0.582	0.919	0.531	0.900	0.071	0.057	0.072	0.795	0.319	0.830	0.447	0.561	0.593
OU2MW-01I	Montauk Highway	0.593	0.475	0.523	0.489	0.404	0.906	0.422	0.387	0.488	0.853	0.882	0.953	0.486	0.610	0.464
OU2MW-01I2	Montauk Highway	0.063	0.070	0.102	0.342	0.080	0.105	1.070	1.040	0.620	0.098	0.043	0.043	0.061	0.092	0.068
OU2MW-01D	Montauk Highway	0.036	0.034	0.044	0.816	0.036	0.055	0.042	0.060	0.056	0.073	0.078	0.082	0.046	0.056	0.051
OU2MW-02S	Montauk Highway	--	0.448	--	--	0.453	--	--	0.467	--	--	--	0.913	--	0.596	--
OU2MW-02I	Montauk Highway	--	0.237	--	--	0.230	--	--	0.201	--	--	--	0.460	--	0.271	--
OU2MW-02I2	Montauk Highway	--	0.071	--	--	0.080	--	--	0.064	--	--	--	0.152	--	0.930	--
OU2MW-02D	Montauk Highway	--	0.035	--	--	0.039	--	--	0.046	--	--	--	0.078	--	0.057	--
OU2MW-03S	Montauk Highway	--	0.455	--	--	0.618	--	--	0.625	--	--	--	0.900	--	0.930	--
OU2MW-03I	Montauk Highway	--	0.260	--	--	0.300	--	--	0.324	--	--	--	0.609	--	0.596	--
OU2MW-03I2	Montauk Highway	--	0.061	--	--	0.049	--	--	0.052	--	--	--	0.100	--	0.810	--
OU2MW-03D	Montauk Highway	--	0.036	--	--	0.040	--	--	0.040	--	--	--	0.085	--	0.057	--
OU2MW-04WT	Montauk Highway	--	--	--	--	0.141	--	--	0.139	--	--	--	0.433	--	0.203	--
OU2MW-04S	Montauk Highway	--	0.569	--	--	0.650	--	--	0.635	--	--	--	0.960	--	0.722	--
OU2MW-04I	Montauk Highway	--	0.324	--	--	0.441	--	--	0.196	--	--	--	0.472	--	0.581	--
OU2MW-04I2	Montauk Highway	--	0.044	--	--	0.048	--	--	0.063	--	--	--	0.096	--	0.067	--
OU2MW-04D	Montauk Highway	--	0.048	--	--	0.053	--	--	0.048	--	--	--	0.093	--	0.069	--
OU2MW-08WT	Montauk Highway	--	--	--	--	0.423	--	--	--	--	--	0.466	--	--	--	--
OU2MW-08S	Montauk Highway	--	0.470	--	--	0.446	--	--	--	0.490	--	0.459	--	--	--	--
OU2MW-08I	Montauk Highway	--	0.303	--	--	0.436	--	--	--	0.576	--	0.479	--	--	--	0.662
OU2MW-08I2	Montauk Highway	--	0.562	--	--	0.501	--	--	--	0.641	--	0.634	--	--	--	0.852
OU2MW-08D	Montauk Highway	--	0.035	--	--	0.037	--	--	--	0.044	--	0.039	--	--	--	0.062

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

Well ID	Oxygen Injection System	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	Nov-08	Dec-08
Dissolved Oxygen (mg/L)																
OU2MW-35S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45S	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45I	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45D	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46S	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46I	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47S	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47I	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47D	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28S	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29D	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30S	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30I3	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30D	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30D2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-31I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0
OU2MW-31I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0
OU2MW-32S	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0
OU2MW-32I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0
OU2MW-32I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0
OU2MW-32D	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0

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

Well ID	Oxygen Injection System	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	Nov-08	Dec-08
OU2MW-19I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-19I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-19D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20S	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43S	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44S	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GMP-01	Manatuck Lane	--	--	0.0	--	2.8	--	--	--	--	--	0.0	--	--	0.0	--
GMP-02	Manatuck Lane	--	--	20.0	--	20.0	--	--	--	--	--	20.0	--	--	--	20.0
GMP-04	Manatuck Lane	--	--	0.0	--	5.4	--	--	--	--	--	19.0	--	--	--	16.7
OU2MW-06S	Manatuck Lane	8.0	15.0	16.0	16.0	8.0	--	27.0	27.0	19.0	5.9	9.0	10.0	8.0	5.0	6.8
OU2MW-06	Manatuck Lane	23.0	30.0	32.0	40.0	25.0	16.0	14.0	7.0	7.0	22.0	30.0	23.0	31.0	30.0	21.0
OU2MW-07S	Manatuck Lane	17.0	14.0	13.0	8.0	8.0	--	38.0	35.0	29.0	18.0	14.0	15.0	4.0	10.0	--
OU2MW-07	Manatuck Lane	29.0	34.0	32.0	28.0	25.0	22.0	13.0	8.0	13.0	32.0	29.0	34.0	33.0	34.0	36.0
OU2MW-52S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-52I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-52D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-25S	Montauk Highway	15.0	31.0	31.0	28.0	22.0	32.0	31.0	23.0	24.0	31.0	27.0	26.0	29.0	37.0	36.0
BBMW-25I	Montauk Highway	8.0	19.0	26.0	6.0	12.0	9.0	0.0	4.0	3.0	20.0	15.0	20.0	15.0	12.0	12.0
BBMW-25D	Montauk Highway	41.0	43.0	43.0	48.0	23.0	18.0	25.0	19.0	25.0	29.0	27.0	27.0	33.0	33.0	30.0
OU2MW-01WT	Montauk Highway	11.0	10.0	20.0	19.0	10.0	--	22.0	5.0	21.0	--	--	0.0	--	0.0	--
OU2MW-01S	Montauk Highway	0.0	4.8	4.0	2.0	0.0	0.0	3.0	5.0	4.0	2.0	4.1	4.9	2.0	4.0	2.0
OU2MW-01I	Montauk Highway	46.0	31.0	48.0	42.0	31.0	11.0	42.0	28.0	18.0	34.0	33.0	32.0	43.0	25.0	32.0
OU2MW-01I2	Montauk Highway	7.4	5.0	5.0	5.0	9.0	5.0	7.0	24.0	21.0	26.0	24.0	14.0	19.0	21.0	24.0
OU2MW-01D	Montauk Highway	2.0	4.0	4.0	2.0	1.0	2.0	0.0	3.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
OU2MW-02S	Montauk Highway	--	10.5	--	--	3.7	--	--	0.0	--	--	--	4.5	--	3.5	--
OU2MW-02I	Montauk Highway	--	2.1	--	--	1.0	--	--	0.0	--	--	--	0.0	--	0.0	--
OU2MW-02I2	Montauk Highway	--	0.0	--	--	0.0	--	--	0.0	--	--	--	0.0	--	0.0	--
OU2MW-02D	Montauk Highway	--	0.0	--	--	0.0	--	--	0.0	--	--	--	0.0	--	0.0	--
OU2MW-03S	Montauk Highway	--	0.0	--	--	0.0	--	--	0.0	--	--	--	0.0	--	0.0	--
OU2MW-03I	Montauk Highway	--	13.6	--	--	20.0	--	--	20.0	--	--	--	4.1	--	0.0	--
OU2MW-03I2	Montauk Highway	--	0.0	--	--	0.0	--	--	0.0	--	--	--	17.3	--	20.0	--
OU2MW-03D	Montauk Highway	--	0.0	--	--	0.0	--	--	0.0	--	--	--	0.0	--	0.0	--
OU2MW-04WT	Montauk Highway	--	--	--	--	4.6	--	--	6.7	--	--	--	2.6	--	1.9	--
OU2MW-04S	Montauk Highway	--	0.0	--	--	0.0	--	--	0.1	--	--	--	0.0	--	0.3	--
OU2MW-04I	Montauk Highway	--	4.7	--	--	0.0	--	--	0.3	--	--	--	0.0	--	0.0	--
OU2MW-04I2	Montauk Highway	--	0.0	--	--	0.0	--	--	0.0	--	--	--	0.0	--	0.1	--
OU2MW-04D	Montauk Highway	--	0.0	--	--	0.0	--	--	0.0	--	--	--	0.0	--	0.0	--
OU2MW-08WT	Montauk Highway	--	--	--	--	8.0	--	--	--	--	--	1.3	--	--	--	--
OU2MW-08S	Montauk Highway	--	0.0	--	--	--	--	--	--	0.4	--	0.0	--	--	--	--
OU2MW-08I	Montauk Highway	--	0.0	--	--	0.0	--	--	--	0.3	--	0.0	--	--	--	0.0
OU2MW-08I2	Montauk Highway	--	0.0	--	--	0.0	--	--	--	0.4	--	0.0	--	--	--	0.0
OU2MW-08D	Montauk Highway	--	0.0	--	--	0.0	--	--	--	0.4	--	0.0	--	--	--	0.0

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

Well ID	Oxygen Injection System	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	Nov-08	Dec-08
Oxidation Reduction Potential (mV)																
OU2MW-35S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45S	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45I	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45D	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46S	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46I	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47S	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47I	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47D	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28S	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29D	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30S	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30I3	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30D	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30D2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-31I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-134
OU2MW-31I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-13
OU2MW-32S	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	124
OU2MW-32I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-130
OU2MW-32I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-118
OU2MW-32D	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-3

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

Well ID	Oxygen Injection System	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	Nov-08	Dec-08
OU2MW-19I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-19I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-19D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20S	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43S	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44S	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GMP-01	Manatuck Lane	--	--	-129	--	-159	--	--	--	--	--	-231	--	--	-130	--
GMP-02	Manatuck Lane	--	--	346	--	138	--	--	--	--	--	176	--	--	--	123
GMP-04	Manatuck Lane	--	--	-59	--	-1	--	--	--	--	--	141	--	--	--	153
OU2MW-06S	Manatuck Lane	196	358	133	208	159	--	221	180	144	177	110	120	163	167	85
OU2MW-06	Manatuck Lane	216	350	166	230	220	215	206	150	120	210	147	146	193	191	139
OU2MW-07S	Manatuck Lane	175	206	210	192	190	--	225	189	164	231	170	158	174	132	--
OU2MW-07	Manatuck Lane	201	222	212	204	210	229	219	211	169	232	179	150	191	201	152
OU2MW-52S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-52I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-52D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-25S	Montauk Highway	172	193	171	195	149	229	207	172	150	193	118	129	155	184	135
BBMW-25I	Montauk Highway	86	107	64	55	11	-6	-30	-41	-60	6	-17	25	59	2	10
BBMW-25D	Montauk Highway	239	288	231	253	218	220	235	238	158	231	115	177	191	187	178
OU2MW-01WT	Montauk Highway	112	135	130	171	162	--	216	150	72	176	121	41	-2	-5	22
OU2MW-01S	Montauk Highway	-64	-15	-77	-51	-34	-23	7	-3	-35	-11	-15	-18	-19	-2	-11
OU2MW-01I	Montauk Highway	209	184	156	190	172	222	177	177	171	225	157	139	170	179	146
OU2MW-01I2	Montauk Highway	124	174	87	144	155	175	115	176	157	197	203	116	124	146	170
OU2MW-01D	Montauk Highway	112	133	26	55	97	109	95	162	110	105	55	86	57	210	148
OU2MW-02S	Montauk Highway	--	65	--	--	75	--	--	-61	--	--	--	-38	--	2	--
OU2MW-02I	Montauk Highway	--	73	--	--	22	--	--	-17	--	--	--	-40	--	-34	--
OU2MW-02I2	Montauk Highway	--	18	--	--	-11	--	--	3	--	--	--	-17	--	8	--
OU2MW-02D	Montauk Highway	--	112	--	--	78	--	--	99	--	--	--	74	--	63	--
OU2MW-03S	Montauk Highway	--	-130	--	--	0.134	--	--	-126	--	--	--	-153	--	-126	--
OU2MW-03I	Montauk Highway	--	177	--	--	203	--	--	193	--	--	--	170	--	157	--
OU2MW-03I2	Montauk Highway	--	16	--	--	13	--	--	11	--	--	--	45	--	62	--
OU2MW-03D	Montauk Highway	--	78	--	--	41	--	--	35	--	--	--	48	--	50	--
OU2MW-04WT	Montauk Highway	--	--	--	--	177	--	--	163	--	--	--	117	--	121	--
OU2MW-04S	Montauk Highway	--	-94	--	--	-133	--	--	-130	--	--	--	-153	--	-104	--
OU2MW-04I	Montauk Highway	--	48	--	--	22	--	--	-4	--	--	--	9	--	9	--
OU2MW-04I2	Montauk Highway	--	10	--	--	130	--	--	-13	--	--	--	-44	--	-17	--
OU2MW-04D	Montauk Highway	--	22	--	--	-37	--	--	-43	--	--	--	-31	--	-29	--
OU2MW-08WT	Montauk Highway	--	--	--	--	150	--	--	--	--	--	139	--	--	--	--
OU2MW-08S	Montauk Highway	--	-131	--	--	--	--	--	--	-136	--	-116	--	--	--	--
OU2MW-08I	Montauk Highway	--	-28	--	--	-39	--	--	--	-26	--	-36	--	--	--	-21
OU2MW-08I2	Montauk Highway	--	-94	--	--	-114	--	--	--	-116	--	-106	--	--	--	-115
OU2MW-08D	Montauk Highway	--	91	--	--	57	--	--	--	94	--	25	--	--	--	81

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

Well ID	Oxygen Injection System	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	Nov-08	Dec-08
pH (SU)																
OU2MW-35S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45S	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45I	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45D	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46S	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46I	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47S	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47I	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47D	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28S	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29D	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30S	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30I3	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30D	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30D2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-31I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9.22
OU2MW-31I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	7.90
OU2MW-32S	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.75
OU2MW-32I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9.14
OU2MW-32I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9.14
OU2MW-32D	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	7.52

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

Well ID	Oxygen Injection System	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	Nov-08	Dec-08
OU2MW-19I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-19I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-19D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20S	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43S	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44S	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GMP-01	Manatuck Lane	--	--	6.96	--	7.27	--	--	--	--	--	6.60	--	--	7.49	--
GMP-02	Manatuck Lane	--	--	5.73	--	6.41	--	--	--	--	--	5.72	--	--	--	5.73
GMP-04	Manatuck Lane	--	--	6.55	--	5.96	--	--	--	--	--	5.93	--	--	--	4.86
OU2MW-06S	Manatuck Lane	5.92	5.32	5.62	6.47	6.03	--	6.16	5.85	5.88	6.21	6.28	6.01	6.18	5.89	5.71
OU2MW-06	Manatuck Lane	5.57	5.08	5.47	6.16	5.59	5.79	6.48	6.50	6.04	5.95	5.88	5.85	5.79	5.64	5.20
OU2MW-07S	Manatuck Lane	5.46	5.77	5.76	6.47	5.65	--	6.27	5.85	5.75	5.75	5.40	5.74	5.57	6.54	--
OU2MW-07	Manatuck Lane	5.56	5.87	6.01	6.43	5.74	5.84	6.10	5.88	5.54	5.80	5.67	5.87	6.02	5.51	5.36
OU2MW-52S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-52I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-52D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-25S	Montauk Highway	6.21	6.19	6.36	5.58	5.89	5.79	6.10	6.16	5.83	6.17	6.15	6.14	6.00	6.20	5.54
BBMW-25I	Montauk Highway	6.05	6.22	6.29	6.40	5.87	5.98	6.51	6.34	6.09	6.25	6.08	6.12	6.39	6.27	6.90
BBMW-25D	Montauk Highway	5.15	5.27	4.98	4.85	5.13	5.31	5.16	4.74	4.99	5.37	5.37	5.45	5.19	5.57	4.80
OU2MW-01WT	Montauk Highway	6.45	6.67	6.31	6.17	6.08	--	6.56	6.14	6.09	6.40	6.28	6.41	7.02	6.52	6.48
OU2MW-01S	Montauk Highway	7.00	6.42	6.76	7.13	5.87	5.59	6.23	5.73	5.83	6.01	5.93	5.91	6.55	5.88	5.88
OU2MW-01I	Montauk Highway	5.35	6.00	6.01	5.64	5.73	5.41	6.11	5.94	5.63	5.93	5.79	5.97	6.15	5.90	5.88
OU2MW-01I2	Montauk Highway	5.73	5.83	6.06	6.59	5.80	5.65	6.20	5.96	5.37	5.85	5.77	6.01	6.23	6.25	5.48
OU2MW-01D	Montauk Highway	5.43	5.32	5.81	6.85	5.33	5.31	5.75	5.39	5.22	5.36	5.22	5.60	5.98	5.69	4.85
OU2MW-02S	Montauk Highway	--	6.29	--	--	6.40	--	--	6.32	--	--	--	6.12	--	6.27	--
OU2MW-02I	Montauk Highway	--	6.16	--	--	5.98	--	--	5.74	--	--	--	6.19	--	6.31	--
OU2MW-02I2	Montauk Highway	--	6.16	--	--	6.01	--	--	6.30	--	--	--	5.98	--	6.16	--
OU2MW-02D	Montauk Highway	--	5.34	--	--	5.50	--	--	5.07	--	--	--	5.33	--	5.80	--
OU2MW-03S	Montauk Highway	--	7.00	--	--	6.23	--	--	6.45	--	--	--	6.58	--	6.64	--
OU2MW-03I	Montauk Highway	--	5.52	--	--	5.38	--	--	5.41	--	--	--	5.40	--	5.86	--
OU2MW-03I2	Montauk Highway	--	6.01	--	--	5.83	--	--	5.89	--	--	--	5.45	--	6.18	--
OU2MW-03D	Montauk Highway	--	5.72	--	--	5.67	--	--	5.87	--	--	--	5.30	--	6.04	--
OU2MW-04WT	Montauk Highway	--	--	--	--	5.84	--	--	5.84	--	--	--	5.93	--	6.21	--
OU2MW-04S	Montauk Highway	--	6.96	--	--	6.36	--	--	6.44	--	--	--	6.45	--	6.61	--
OU2MW-04I	Montauk Highway	--	6.04	--	--	5.75	--	--	6.06	--	--	--	5.90	--	6.11	--
OU2MW-04I2	Montauk Highway	--	6.54	--	--	6.01	--	--	6.34	--	--	--	6.00	--	6.29	--
OU2MW-04D	Montauk Highway	--	6.16	--	--	6.31	--	--	6.37	--	--	--	5.98	--	6.44	--
OU2MW-08WT	Montauk Highway	--	--	--	--	6.30	--	--	--	--	--	6.30	--	--	--	--
OU2MW-08S	Montauk Highway	--	7.70	--	--	--	--	--	--	6.44	--	6.45	--	--	--	--
OU2MW-08I	Montauk Highway	--	6.72	--	--	5.99	--	--	--	5.96	--	6.05	--	--	--	6.16
OU2MW-08I2	Montauk Highway	--	7.30	--	--	6.23	--	--	--	6.33	--	6.38	--	--	--	6.53
OU2MW-08D	Montauk Highway	--	5.51	--	--	5.60	--	--	--	5.18	--	5.52	--	--	--	6.69

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

Well ID	Oxygen Injection System	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	Nov-08	Dec-08
Temperature (degrees Celcius)																
OU2MW-35S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42S	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42I	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42D	33 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45S	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45I	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45D	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46S	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46I	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47S	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47I	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47D	34 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28S	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29D	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30S	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30I3	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30D	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30D2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-31I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	14.4
OU2MW-31I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	14.4
OU2MW-32S	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	10.7
OU2MW-32I	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	12.7
OU2MW-32I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	11.8
OU2MW-32D	9 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--	--	--	12.1
OU2MW-19I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-19I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-19D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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

Well ID	Oxygen Injection System	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	Nov-08	Dec-08
OU2MW-20S	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43S	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44S	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GMP-01	Manatuck Lane	--	--	10.1	--	11.5	--	--	--	--	--	18.8	--	--	14.2	--
GMP-02	Manatuck Lane	--	--	12.7	--	10.3	--	--	--	--	--	17.1	--	--	--	13.2
GMP-04	Manatuck Lane	--	--	14.8	--	11.6	--	--	--	--	--	18.5	--	--	--	15.4
OU2MW-06S	Manatuck Lane	18.9	11.5	7.0	4.8	6.1	--	11.9	12.3	18.9	21.6	24.4	19.2	14.2	8.8	4.8
OU2MW-06	Manatuck Lane	17.3	11.8	9.2	8.1	9.3	13.5	10.3	13.3	21.9	16.5	19.8	18.8	13.0	9.2	6.1
OU2MW-07S	Manatuck Lane	19.3	15.0	9.7	7.9	6.7	--	13.0	14.0	19.1	18.5	22.7	20.2	15.7	14.4	--
OU2MW-07	Manatuck Lane	17.2	14.7	11.5	11.3	10.4	11.5	11.1	13.2	21.0	14.7	19.5	17.4	15.1	14.1	13.8
OU2MW-52S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-52I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-52D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-25S	Montauk Highway	21.5	14.9	11.6	8.5	9.3	9.9	15.7	16.8	19.8	20.1	20.3	20.9	15.7	14.3	12.0
BBMW-25I	Montauk Highway	18.4	13.1	11.5	11.3	11.4	12.3	16.7	19.9	18.9	17.6	19.4	18.1	13.1	12.6	12.4
BBMW-25D	Montauk Highway	18.1	11.2	10.1	8.8	7.9	11.6	15.7	15.1	18.6	16.4	19.5	18.0	13.7	10.7	11.6
OU2MW-01WT	Montauk Highway	16.7	14.3	10.6	8.0	7.3	--	12.0	17.2	19.9	21.8	21.0	22.2	14.9	13.6	8.7
OU2MW-01S	Montauk Highway	15.3	12.3	10.3	9.8	12.3	13.0	15.4	15.9	20.2	20.9	16.3	21.6	13.3	12.4	7.7
OU2MW-01I	Montauk Highway	14.6	12.2	10.4	9.5	12.4	11.6	18.6	15.8	19.0	19.9	20.1	21.6	12.3	5.3	6.6
OU2MW-01I2	Montauk Highway	14.5	13.6	12.3	7.6	11.4	12.0	16.6	15.3	21.3	21.7	15.3	17.6	11.6	10.8	7.0
OU2MW-01D	Montauk Highway	14.3	13.7	11.8	7.9	11.9	12.2	16.9	17.1	20.7	20.8	20.0	19.8	11.1	10.0	8.7
OU2MW-02S	Montauk Highway	--	11.2	--	--	7.6	--	--	13.5	--	--	--	21.2	--	12.8	--
OU2MW-02I	Montauk Highway	--	11.4	--	--	8.5	--	--	13.6	--	--	--	19.6	--	11.7	--
OU2MW-02I2	Montauk Highway	--	11.6	--	--	9.7	--	--	12.2	--	--	--	15.9	--	12.2	--
OU2MW-02D	Montauk Highway	--	10.7	--	--	9.3	--	--	11.7	--	--	--	15.5	--	11.4	--
OU2MW-03S	Montauk Highway	--	15.0	--	--	12.7	--	--	13.0	--	--	--	17.3	--	15.2	--
OU2MW-03I	Montauk Highway	--	13.8	--	--	12.4	--	--	13.7	--	--	--	16.1	--	14.0	--
OU2MW-03I2	Montauk Highway	--	13.3	--	--	11.6	--	--	12.9	--	--	--	15.8	--	13.3	--
OU2MW-03D	Montauk Highway	--	13.0	--	--	11.1	--	--	12.7	--	--	--	15.7	--	13.0	--
OU2MW-04WT	Montauk Highway	--	--	--	--	4.6	--	--	13.9	--	--	--	21.1	--	9.9	--
OU2MW-04S	Montauk Highway	--	10.5	--	--	13.9	--	--	14.2	--	--	--	19.0	--	10.0	--
OU2MW-04I	Montauk Highway	--	11.5	--	--	11.7	--	--	15.2	--	--	--	18.9	--	10.2	--
OU2MW-04I2	Montauk Highway	--	11.7	--	--	9.1	--	--	14.2	--	--	--	20.1	--	10.8	--
OU2MW-04D	Montauk Highway	--	9.2	--	--	9.1	--	--	14.8	--	--	--	19.4	--	11.1	--
OU2MW-08WT	Montauk Highway	--	--	--	--	10.5	--	--	--	--	--	20.9	--	--	--	--
OU2MW-08S	Montauk Highway	--	16.0	--	--	--	--	--	--	15.0	--	16.6	--	--	--	--
OU2MW-08I	Montauk Highway	--	14.2	--	--	13.2	--	--	--	14.6	--	16.1	--	--	--	13.3
OU2MW-08I2	Montauk Highway	--	13.9	--	--	12.5	--	--	--	14.7	--	16.1	--	--	--	12.5
OU2MW-08D	Montauk Highway	--	13.8	--	--	11.8	--	--	--	14.3	--	16.1	--	--	--	13.0

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

Well ID	Oxygen Injection System	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10
Conductivity (mS/cm)																
OU2MW-35S	33 North Clinton	--	--	0.231	0.361	0.449	0.465	0.265	0.250	0.397	0.441	0.626	0.559	0.427	0.548	0.362
OU2MW-35I	33 North Clinton	--	--	0.593	0.755	0.691	0.793	0.608	0.442	0.753	0.745	0.911	0.753	0.677	0.771	0.719
OU2MW-35I2	33 North Clinton	--	--	0.263	0.318	0.252	0.295	0.307	0.291	0.225	0.154	0.146	0.126	0.156	0.164	0.154
OU2MW-35D	33 North Clinton	--	--	0.313	0.414	0.417	0.320	0.403	0.522	0.554	0.436	0.356	0.297	0.359	0.380	0.339
OU2MW-36S	33 North Clinton	--	--	1.070	0.992	0.731	0.968	0.801	0.593	0.400	0.297	0.313	0.266	0.990	1.070	0.950
OU2MW-36I	33 North Clinton	--	--	0.363	0.474	0.485	0.538	0.521	0.689	0.716	0.528	0.541	0.529	0.571	0.796	0.613
OU2MW-36I2	33 North Clinton	--	--	0.173	0.262	0.262	0.239	0.185	0.191	0.195	0.258	0.347	0.299	0.277	0.226	0.225
OU2MW-36D	33 North Clinton	--	--	0.228	0.344	0.402	0.417	0.420	4.540	0.585	0.460	0.445	0.435	0.390	0.382	0.328
OU2MW-37S	33 North Clinton	--	--	0.262	0.289	0.260	0.237	0.309	0.328	0.407	0.335	0.363	0.408	0.516	0.417	0.311
OU2MW-37I	33 North Clinton	--	--	0.419	0.507	0.464	0.423	0.429	0.550	0.693	0.606	0.581	0.616	0.679	0.477	0.621
OU2MW-37I2	33 North Clinton	--	--	0.386	0.457	0.592	0.631	0.483	0.455	0.532	0.399	0.442	0.308	0.334	0.415	0.327
OU2MW-37D	33 North Clinton	--	--	0.872	0.990	0.880	0.921	0.807	0.920	0.940	0.695	0.787	0.589	0.477	0.432	0.610
OU2MW-39S	33 North Clinton	--	--	0.211	0.242	0.235	0.382	0.387	0.342	0.315	0.339	0.311	0.316	0.366	0.305	0.255
OU2MW-39I	33 North Clinton	--	--	0.408	0.649	0.491	0.691	0.612	0.692	1.110	0.899	0.616	0.578	0.666	0.590	0.643
OU2MW-39I2	33 North Clinton	--	--	0.233	0.342	0.351	0.327	0.383	0.573	0.487	0.427	0.419	0.353	0.414	0.447	0.440
OU2MW-39D	33 North Clinton	--	--	0.133	0.138	0.018	0.429	0.600	0.615	0.827	0.770	0.723	0.545	0.673	0.835	0.910
OU2MW-42S	33 North Clinton	--	--	--	0.489	0.571	0.525	0.448	0.409	0.823	0.715	0.835	0.667	0.645	0.493	0.605
OU2MW-42I	33 North Clinton	--	--	--	0.717	0.747	0.601	0.541	1.050	1.170	0.828	0.692	0.749	0.566	0.554	0.664
OU2MW-42I2	33 North Clinton	--	--	--	0.358	0.382	0.390	0.314	0.331	0.327	0.264	0.357	0.374	0.296	0.391	0.403
OU2MW-42D	33 North Clinton	--	--	--	0.761	1.010	1.310	1.430	1.660	1.710	1.590	1.740	1.500	1.750	1.440	1.260
OU2MW-45S	34 North Clinton	0.224	0.176	0.245	0.207	0.182	0.160	0.198	0.166	0.326	0.333	0.390	0.275	0.406	0.295	0.322
OU2MW-45I	34 North Clinton	0.493	0.423	0.509	0.436	0.378	0.442	0.390	0.310	0.403	0.389	0.501	0.365	0.656	0.497	0.650
OU2MW-45I2	34 North Clinton	0.550	0.345	0.451	0.398	0.323	0.272	0.435	0.376	0.430	0.407	0.408	0.401	0.380	0.490	0.341
OU2MW-45D	34 North Clinton	0.417	0.360	0.466	0.413	0.331	0.386	0.318	0.202	0.193	0.196	0.161	0.163	0.139	0.145	0.147
OU2MW-46S	34 North Clinton	0.593	0.525	0.693	0.596	0.557	0.628	1.400	1.210	0.754	0.572	0.553	0.921	0.612	0.673	1.330
OU2MW-46I	34 North Clinton	0.627	0.565	0.745	0.750	0.574	0.788	0.852	0.665	0.789	0.767	0.910	0.872	0.818	1.090	1.190
OU2MW-46I2	34 North Clinton	0.322	0.233	0.503	0.586	0.407	0.321	0.477	0.377	0.366	0.340	0.347	0.379	0.490	0.323	0.312
OU2MW-47S	34 North Clinton	0.350	0.265	0.320	0.256	0.177	0.263	0.268	0.222	0.303	0.327	0.439	0.390	0.414	0.250	0.229
OU2MW-47I	34 North Clinton	0.960	0.662	1.020	0.722	0.502	0.674	0.565	0.359	0.390	0.366	0.455	0.291	0.941	0.758	0.689
OU2MW-47I2	34 North Clinton	0.719	0.446	0.530	0.513	0.462	0.399	0.575	0.547	0.622	0.534	0.494	0.499	0.448	0.611	0.407
OU2MW-47D	34 North Clinton	0.503	0.386	0.434	0.376	0.276	0.279	0.460	0.434	0.621	0.575	0.514	0.420	0.479	0.673	0.450
OU2MW-28S	9 North Clinton	--	--	0.631	0.370	0.412	0.367	0.327	0.317	0.317	0.250	0.148	0.322	0.309	0.358	0.377
OU2MW-28I	9 North Clinton	--	--	1.180	0.630	0.573	0.543	0.489	0.429	0.483	0.435	0.273	0.528	0.751	0.423	0.636
OU2MW-28I2	9 North Clinton	--	--	0.698	0.374	0.346	0.289	0.258	0.282	0.356	0.324	0.195	0.385	0.337	0.342	0.423
OU2MW-29I	9 North Clinton	--	--	0.643	0.665	0.702	0.730	0.635	0.580	0.645	0.734	0.488	0.803	0.618	0.616	0.727
OU2MW-29I2	9 North Clinton	--	--	0.402	0.446	0.511	0.463	0.569	0.606	0.723	0.649	0.425	0.526	0.609	0.781	0.954
OU2MW-29D	9 North Clinton	--	--	0.265	0.285	0.348	0.432	0.427	0.365	0.420	0.402	0.273	0.397	0.338	0.367	0.316
OU2MW-30S	9 North Clinton	--	--	0.420	0.391	0.412	0.278	0.297	0.322	0.359	0.306	0.281	0.325	0.268	0.241	0.249
OU2MW-30I	9 North Clinton	--	--	0.535	0.596	0.718	0.530	0.633	0.702	0.709	0.619	0.691	0.442	0.730	0.569	0.955
OU2MW-30I2	9 North Clinton	--	--	0.457	0.429	0.538	0.565	0.595	0.710	0.661	0.599	0.569	0.471	0.487	0.698	0.707
OU2MW-30I3	9 North Clinton	--	--	0.730	0.595	0.474	0.616	0.507	0.587	0.609	0.640	0.498	0.558	0.469	0.492	0.470
OU2MW-30D	9 North Clinton	--	--	0.661	0.590	0.477	0.748	0.536	0.609	0.681	0.743	0.656	0.541	0.708	0.453	0.601
OU2MW-30D2	9 North Clinton	--	--	0.607	0.451	0.388	0.525	0.433	0.444	0.432	0.429	0.394	0.317	0.486	0.334	0.332
OU2MW-31I	9 North Clinton	--	--	0.530	0.594	0.441	0.615	0.730	0.596	0.496	0.748	0.690	0.503	0.344	0.671	0.559
OU2MW-31I2	9 North Clinton	--	--	0.390	0.630	0.702	0.461	0.483	0.599	0.574	0.590	0.551	0.463	0.344	0.372	0.596
OU2MW-32S	9 North Clinton	--	--	1.370	0.455	0.605	0.519	0.809	0.555	0.808	0.562	0.513	0.404	0.380	0.308	3.070
OU2MW-32I	9 North Clinton	--	--	0.607	0.718	0.670	0.717	0.679	0.569	0.649	0.629	1.050	0.711	0.722	0.488	0.539
OU2MW-32I2	9 North Clinton	--	--	0.534	0.558	0.459	0.593	0.583	0.592	0.491	0.441	0.999	0.575	0.425	0.620	0.533
OU2MW-32D	9 North Clinton	--	--	0.308	0.358	0.261	0.254	0.377	0.384	0.443	0.463	0.403	0.328	0.490	0.326	0.548

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

Well ID	Oxygen Injection System	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10
OU2MW-19I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	0.554	--	0.834	0.705	0.595
OU2MW-19I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	0.545	--	0.599	0.445	1.200
OU2MW-19D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	1.350	--	1.370	1.420	1.200
OU2MW-20S	Cooper Lane	--	--	--	--	--	--	--	--	--	--	0.414	0.267	0.449	0.652	0.730
OU2MW-20I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	0.316	0.544	0.417	0.456
OU2MW-20I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	0.357	0.347	0.524	0.444
OU2MW-20D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	0.110	0.085	0.158	0.096	0.133
OU2MW-43S	Cooper Lane	--	--	--	--	--	--	--	--	--	--	0.684	0.680	0.808	0.931	1.020
OU2MW-43I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	0.433	0.677	0.556	0.685	0.509
OU2MW-43I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	0.518	0.507	0.519	0.549	0.642
OU2MW-43D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	1.880	1.920	1.810	1.790	1.590
OU2MW-44S	Cooper Lane	--	--	--	--	--	--	--	--	--	--	0.229	0.220	0.356	0.343	0.308
OU2MW-44I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	0.222	0.255	0.261	0.312	0.288
OU2MW-44I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	0.391	0.348	0.475	0.441	0.325
OU2MW-44D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	0.343	0.370	0.329	0.348	0.408
GMP-01	Manatuck Lane	--	0.934	--	--	0.821	--	--	0.798	--	--	0.775	--	--	0.691	--
GMP-02	Manatuck Lane	--	0.702	--	--	0.564	--	--	0.738	--	--	0.580	--	--	0.723	--
GMP-04	Manatuck Lane	--	0.347	--	--	0.313	--	--	0.238	--	--	0.394	0.425	--	0.389	--
OU2MW-06S	Manatuck Lane	0.216	0.270	0.233	0.721	0.458	0.424	0.466	0.313	0.243	0.209	0.203	0.292	0.311	0.342	0.266
OU2MW-06	Manatuck Lane	0.461	0.511	0.401	0.232	0.251	0.320	0.308	0.292	0.182	0.340	0.299	0.207	0.357	0.410	0.616
OU2MW-07S	Manatuck Lane	0.226	0.421	0.583	0.457	0.567	0.452	0.279	0.207	0.186	0.186	0.176	0.201	0.271	0.450	0.213
OU2MW-07	Manatuck Lane	0.304	0.407	0.328	0.401	0.430	0.380	0.360	0.387	0.496	0.612	0.465	0.514	0.562	0.649	0.626
OU2MW-52S	Manatuck Lane	--	--	--	--	--	--	--	0.069	--	--	--	0.080	--	0.537	--
OU2MW-52I	Manatuck Lane	--	--	--	--	--	--	--	0.501	--	--	--	0.547	--	0.564	--
OU2MW-52D	Manatuck Lane	--	--	--	--	--	--	--	0.303	--	--	--	0.313	--	0.139	--
OU2MW-53S	Manatuck Lane	--	--	--	--	--	--	--	0.119	--	--	--	0.195	--	0.114	--
OU2MW-53I	Manatuck Lane	--	--	--	--	--	--	--	0.079	--	--	--	0.626	--	0.573	--
OU2MW-53D	Manatuck Lane	--	--	--	--	--	--	--	0.337	--	--	--	0.525	--	0.444	--
BBMW-25S	Montauk Highway	0.219	0.637	0.637	0.431	0.363	0.342	0.264	0.285	0.394	0.613	0.384	0.334	0.601	0.295	0.347
BBMW-25I	Montauk Highway	0.553	0.730	0.730	0.682	0.699	0.686	0.567	0.511	0.641	0.814	0.614	0.579	0.560	0.698	0.454
BBMW-25D	Montauk Highway	0.078	0.118	0.118	0.090	0.096	0.063	0.033	0.065	0.060	0.084	0.096	0.082	0.115	0.111	0.067
OU2MW-01WT	Montauk Highway	0.746	0.727	1.570	1.610	2.110	1.420	1.680	0.758	0.691	0.585	0.980	0.424	0.870	0.783	1.110
OU2MW-01S	Montauk Highway	0.621	0.731	0.504	0.654	0.655	0.629	0.648	0.482	0.572	0.636	1.000	0.706	0.696	0.612	0.743
OU2MW-01I	Montauk Highway	0.503	0.616	0.422	0.385	0.612	0.746	0.920	0.558	0.704	0.553	0.775	0.499	0.498	0.616	0.556
OU2MW-01I2	Montauk Highway	0.068	0.094	0.063	0.095	0.099	0.112	0.116	0.079	0.106	0.090	0.138	0.094	0.100	0.094	0.150
OU2MW-01D	Montauk Highway	0.046	0.063	0.046	0.045	0.063	0.083	0.064	0.054	0.272	0.056	0.278	0.060	0.060	0.070	0.066
OU2MW-02S	Montauk Highway	--	0.479	--	--	0.412	--	--	--	0.674	--	0.522	--	--	0.602	--
OU2MW-02I	Montauk Highway	--	0.279	--	--	0.279	--	--	--	0.297	--	0.612	--	--	0.336	--
OU2MW-02I2	Montauk Highway	--	0.104	--	--	0.070	--	--	--	0.078	--	0.088	--	--	0.103	--
OU2MW-02D	Montauk Highway	--	0.063	--	--	0.042	--	--	--	0.050	--	0.058	--	--	0.051	--
OU2MW-03S	Montauk Highway	--	0.600	--	--	0.457	--	--	--	0.812	--	0.903	--	--	0.614	--
OU2MW-03I	Montauk Highway	--	0.624	--	--	0.513	--	--	--	0.507	--	0.832	--	--	0.615	--
OU2MW-03I2	Montauk Highway	--	0.132	--	--	0.102	--	--	--	0.196	--	0.186	--	--	0.261	--
OU2MW-03D	Montauk Highway	--	0.061	--	--	0.043	--	--	--	0.061	--	0.053	--	--	0.048	--
OU2MW-04WT	Montauk Highway	--	0.179	--	--	0.131	--	--	--	0.187	--	0.206	--	--	0.176	--
OU2MW-04S	Montauk Highway	--	0.721	--	--	0.535	--	--	--	0.637	--	0.653	--	--	0.770	--
OU2MW-04I	Montauk Highway	--	0.710	--	--	0.507	--	--	--	0.398	--	0.421	--	--	0.558	--
OU2MW-04I2	Montauk Highway	--	0.075	--	--	0.250	--	--	--	0.082	--	0.068	--	--	0.210	--
OU2MW-04D	Montauk Highway	--	0.076	--	--	0.052	--	--	--	0.080	--	0.076	--	--	0.060	--
OU2MW-08WT	Montauk Highway	--	0.668	--	--	--	0.646	--	0.562	--	--	0.485	--	--	0.555	--
OU2MW-08S	Montauk Highway	--	0.657	--	--	--	0.690	--	0.664	--	--	0.635	--	--	0.783	--
OU2MW-08I	Montauk Highway	--	0.624	--	--	--	0.898	--	0.741	--	--	0.781	--	--	0.417	--
OU2MW-08I2	Montauk Highway	--	0.599	--	--	--	0.457	--	0.375	--	--	0.817	--	--	0.480	--
OU2MW-08D	Montauk Highway	--	0.057	--	--	--	0.061	--	0.066	--	--	0.112	--	--	0.061	--

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

Well ID	Oxygen Injection System	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10
Dissolved Oxygen (mg/L)																
OU2MW-35S	33 North Clinton	--	--	5.5	5.1	32.0	20.0	34.0	20.0	37.0	30.0	37.0	45.0	35.0	35.0	43.0
OU2MW-35I	33 North Clinton	--	--	0.0	0.0	20.0	27.0	42.0	33.0	36.0	20.0	34.0	50.0	60.0	20.0	50.0
OU2MW-35I2	33 North Clinton	--	--	0.0	33.0	54.0	37.0	20.0	42.0	39.0	26.0	32.0	55.0	52.0	46.0	49.0
OU2MW-35D	33 North Clinton	--	--	0.0	0.0	0.0	9.2	20.0	30.0	33.0	31.0	44.0	46.0	42.0	40.0	29.0
OU2MW-36S	33 North Clinton	--	--	5.0	6.0	0.0	0.0	5.7	6.3	9.8	9.1	19.0	19.3	20.0	11.7	19.6
OU2MW-36I	33 North Clinton	--	--	0.0	0.0	0.0	0.0	15.4	25.0	25.0	21.0	41.0	32.0	19.0	29.0	38.0
OU2MW-36I2	33 North Clinton	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	9.4	16.6
OU2MW-36D	33 North Clinton	--	--	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.6
OU2MW-37S	33 North Clinton	--	--	0.0	12.7	19.8	17.1	29.0	15.6	31.0	25.0	25.0	24.0	24.0	21.0	26.0
OU2MW-37I	33 North Clinton	--	--	0.0	29.0	29.0	20.0	39.0	19.1	40.0	29.0	42.0	19.2	45.0	16.6	26.0
OU2MW-37I2	33 North Clinton	--	--	0.0	0.2	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	1.5	0.9
OU2MW-37D	33 North Clinton	--	--	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	1.5	1.3
OU2MW-39S	33 North Clinton	--	--	1.8	1.9	14.7	22.0	19.6	24.0	21.0	28.0	31.0	18.2	16.0	37.0	30.0
OU2MW-39I	33 North Clinton	--	--	7.2	2.7	17.0	20.0	38.0	32.0	19.0	28.0	49.0	32.0	31.0	41.0	43.0
OU2MW-39I2	33 North Clinton	--	--	0.0	0.0	0.0	7.6	0.0	2.8	0.0	0.0	0.0	1.1	0.0	0.0	0.9
OU2MW-39D	33 North Clinton	--	--	0.0	0.0	0.0	7.6	0.0	3.0	0.0	0.0	0.0	0.3	0.0	0.0	1.2
OU2MW-42S	33 North Clinton	--	--	--	0.0	0.0	0.0	4.0	7.0	1.8	4.2	3.0	2.2	2.9	0.7	3.8
OU2MW-42I	33 North Clinton	--	--	--	9.4	10.0	17.6	25.0	3.4	22.0	29.0	19.1	13.4	19.3	13.9	13.0
OU2MW-42I2	33 North Clinton	--	--	--	14.5	26.0	32.0	37.0	23.0	35.0	26.0	26.0	9.6	36.0	41.0	18.6
OU2MW-42D	33 North Clinton	--	--	--	34.0	23.0	25.0	30.0	20.0	19.1	28.0	17.0	24.0	60.0	30.0	42.0
OU2MW-45S	34 North Clinton	1.5	9.1	10.7	9.1	9.6	5.2	5.9	6.6	3.8	3.4	1.4	2.3	4.1	5.9	6.7
OU2MW-45I	34 North Clinton	6.6	21.0	20.0	16.2	16.2	16.9	20.0	23.0	25.0	26.0	25.0	21.0	19.0	16.4	7.9
OU2MW-45I2	34 North Clinton	9.4	28.0	20.0	26.0	19.1	26.0	25.0	26.0	22.0	29.0	35.0	19.4	32.0	29.0	24.0
OU2MW-45D	34 North Clinton	0.0	0.0	4.6	8.8	14.9	19.3	19.3	19.2	20.0	22.0	36.0	27.0	31.0	15.1	16.7
OU2MW-46S	34 North Clinton	27.0	31.0	20.0	22.0	31.0	20.0	28.0	28.0	34.0	27.0	31.0	25.0	19.4	41.0	26.0
OU2MW-46I	34 North Clinton	41.0	41.0	20.0	21.0	36.0	35.0	38.0	44.0	39.0	33.0	40.0	43.0	35.0	41.0	28.0
OU2MW-46I2	34 North Clinton	13.3	37.0	20.0	24.0	38.0	42.0	38.0	40.0	41.0	31.0	48.0	27.0	33.0	29.0	30.0
OU2MW-47S	34 North Clinton	0.0	9.9	20.0	22.0	18.4	36.0	28.0	32.0	33.0	31.0	33.0	33.0	30.0	33.0	26.0
OU2MW-47I	34 North Clinton	0.0	24.0	20.0	26.0	26.0	31.0	36.0	38.0	43.0	28.0	38.0	40.0	39.0	40.0	28.0
OU2MW-47I2	34 North Clinton	6.8	36.0	20.0	22.0	31.0	32.0	40.0	40.0	46.0	25.0	43.0	35.0	34.0	40.0	30.0
OU2MW-47D	34 North Clinton	11.2	30.0	20.0	23.0	16.6	32.0	27.0	18.6	26.0	23.0	25.0	16.0	26.0	32.0	25.0
OU2MW-28S	9 North Clinton	--	--	13.2	22.0	20.0	24.0	20.0	26.0	32.0	20.0	18.3	31.0	33.0	37.0	34.0
OU2MW-28I	9 North Clinton	--	--	0.0	13.9	15.3	27.0	20.0	30.0	37.0	8.4	0.6	30.0	27.0	34.0	25.0
OU2MW-28I2	9 North Clinton	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	8.0	0.0	0.0	0.0
OU2MW-29I	9 North Clinton	--	--	0.0	0.0	0.0	0.0	0.0	0.0	10.7	0.0	1.3	13.0	6.2	21.0	21.0
OU2MW-29I2	9 North Clinton	--	--	41.0	20.0	24.0	32.0	20.0	39.0	46.0	28.0	24.0	20.0	43.0	44.0	20.0
OU2MW-29D	9 North Clinton	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	1.1
OU2MW-30S	9 North Clinton	--	--	0.0	22.0	21.0	13.7	11.6	23.0	28.0	26.0	25.0	0.9	23.0	28.0	28.0
OU2MW-30I	9 North Clinton	--	--	1.0	25.0	18.1	10.6	16.2	27.0	34.0	27.0	8.9	51.0	22.0	37.0	33.0
OU2MW-30I2	9 North Clinton	--	--	2.1	42.0	45.0	23.0	19.8	25.0	29.0	42.0	34.0	44.0	17.0	48.0	44.0
OU2MW-30I3	9 North Clinton	--	--	15.8	37.0	29.0	20.0	20.0	25.0	35.0	36.0	18.7	0.8	52.0	48.0	35.0
OU2MW-30D	9 North Clinton	--	--	2.1	32.0	20.0	27.0	19.5	29.0	40.0	39.0	28.0	35.0	38.0	49.0	43.0
OU2MW-30D2	9 North Clinton	--	--	0.0	29.0	17.6	9.1	3.0	0.0	2.5	14.6	18.0	55.0	30.0	32.0	19.2
OU2MW-31I	9 North Clinton	--	--	7.0	9.1	10.2	17.6	26.0	36.0	22.0	0.0	10.4	30.0	20.0	38.0	39.7
OU2MW-31I2	9 North Clinton	--	--	24.0	24.0	22.0	27.0	23.0	35.0	28.0	2.2	26.0	38.0	20.0	36.0	27.0
OU2MW-32S	9 North Clinton	--	--	4.2	0.0	0.0	1.6	0.4	3.2	6.4	0.0	2.4	3.7	1.8	3.7	5.5
OU2MW-32I	9 North Clinton	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.9	1.5	0.0
OU2MW-32I2	9 North Clinton	--	--	0.0	0.0	5.4	0.0	0.0	0.1	0.0	0.0	0.0	0.9	0.0	1.6	0.0
OU2MW-32D	9 North Clinton	--	--	0.0	0.0	6.9	0.0	0.0	0.0	0.4	0.0	0.0	0.0	1.8	0.0	0.0

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

Well ID	Oxygen Injection System	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10
OU2MW-19I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	0.0	--	0.0	2.7	6.0
OU2MW-19I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	0.1	--	26.0	34.0	2.5
OU2MW-19D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	0.0	--	0.0	0.0	2.5
OU2MW-20S	Cooper Lane	--	--	--	--	--	--	--	--	--	--	0.0	0.0	0.3	8.3	7.4
OU2MW-20I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	0.0	5.0	2.2	5.9
OU2MW-20I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	0.0	0.0	2.0	1.6
OU2MW-20D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	0.0	0.0	1.6	0.0	1.5
OU2MW-43S	Cooper Lane	--	--	--	--	--	--	--	--	--	--	0.0	0.0	0.0	0.0	1.7
OU2MW-43I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	0.0	1.3	31.0	38.0	31.0
OU2MW-43I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	0.0	0.3	3.1	8.8	13.8
OU2MW-43D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	0.0	1.6	19.0	22.0	26.0
OU2MW-44S	Cooper Lane	--	--	--	--	--	--	--	--	--	--	0.0	0.4	1.7	2.1	2.1
OU2MW-44I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	0.0	0.0	0.0	0.0	0.0
OU2MW-44I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	0.0	0.0	2.0	2.0	0.0
OU2MW-44D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	0.0	0.0	0.0	0.0	1.5
GMP-01	Manatuck Lane	--	0.0	--	--	0.0	--	--	0.0	--	--	0.0	--	--	0.0	--
GMP-02	Manatuck Lane	--	20.0	--	--	24.0	--	--	18.8	--	--	11.4	--	--	30.0	--
GMP-04	Manatuck Lane	--	18.1	--	--	0.0	--	--	5.5	--	--	10.7	20.0	--	19.9	--
OU2MW-06S	Manatuck Lane	15.0	13.2	20.0	18.0	16.4	1.0	0.8	4.2	6.0	9.0	9.0	5.0	14.0	15.4	15.0
OU2MW-06	Manatuck Lane	21.0	20.0	39.0	23.0	21.0	8.0	10.0	15.5	17.0	28.0	35.0	43.0	39.0	38.0	34.0
OU2MW-07S	Manatuck Lane	17.0	20.0	24.0	11.0	7.0	6.0	3.0	3.0	12.0	14.0	13.0	11.6	15.0	22.0	15.0
OU2MW-07	Manatuck Lane	30.0	20.0	36.0	4.0	14.9	7.0	11.6	22.0	30.0	27.0	35.0	33.0	34.0	38.0	28.0
OU2MW-52S	Manatuck Lane	--	--	--	--	--	--	--	0.0	--	--	--	46.0	--	0.0	--
OU2MW-52I	Manatuck Lane	--	--	--	--	--	--	--	7.5	--	--	--	21.0	--	23.0	--
OU2MW-52D	Manatuck Lane	--	--	--	--	--	--	--	19.4	--	--	--	7.0	--	29.0	--
OU2MW-53S	Manatuck Lane	--	--	--	--	--	--	--	0.0	--	--	--	6.5	--	6.4	--
OU2MW-53I	Manatuck Lane	--	--	--	--	--	--	--	2.1	--	--	--	29.0	--	28.0	--
OU2MW-53D	Manatuck Lane	--	--	--	--	--	--	--	0.0	--	--	--	0.3	--	0.0	--
BBMW-25S	Montauk Highway	36.0	23.0	23.0	15.0	10.0	8.0	9.0	18.0	23.0	29.0	28.0	25.0	25.0	34.0	27.0
BBMW-25I	Montauk Highway	16.0	2.0	2.0	0.0	0.0	0.0	0.6	4.0	4.0	4.0	3.0	7.0	9.0	14.0	18.0
BBMW-25D	Montauk Highway	22.0	14.6	18.0	16.0	16.0	9.0	13.0	12.0	18.0	28.0	29.0	33.0	23.0	22.0	17.0
OU2MW-01WT	Montauk Highway	--	0.0	--	13.0	9.0	3.0	2.0	3.0	13.6	16.0	17.0	8.0	16.0	17.4	9.0
OU2MW-01S	Montauk Highway	2.0	5.0	4.0	1.0	0.0	1.0	5.0	0.0	0.0	11.0	18.0	17.0	23.0	18.0	23.0
OU2MW-01I	Montauk Highway	36.0	39.0	32.0	23.0	0.0	0.0	3.0	7.0	23.0	28.0	34.0	36.0	29.0	31.0	23.0
OU2MW-01I2	Montauk Highway	18.0	34.0	19.0	22.0	17.7	13.0	11.0	6.6	5.0	8.0	9.0	12.0	16.0	17.0	18.0
OU2MW-01D	Montauk Highway	0.0	1.0	2.0	2.0	0.4	0.6	2.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	1.0
OU2MW-02S	Montauk Highway	--	12.1	--	--	5.8	--	--	--	0.0	--	4.1	--	--	7.2	--
OU2MW-02I	Montauk Highway	--	0.0	--	--	5.4	--	--	--	0.0	--	0.7	--	--	0.0	--
OU2MW-02I2	Montauk Highway	--	0.0	--	--	5.2	--	--	--	0.0	--	0.0	--	--	0.0	--
OU2MW-02D	Montauk Highway	--	0.0	--	--	5.2	--	--	--	0.0	--	0.0	--	--	0.0	--
OU2MW-03S	Montauk Highway	--	0.0	--	--	5.7	--	--	--	0.0	--	0.0	--	--	0.0	--
OU2MW-03I	Montauk Highway	--	3.8	--	--	9.5	--	--	--	3.9	--	1.6	--	--	0.0	--
OU2MW-03I2	Montauk Highway	--	20.0	--	--	18.4	--	--	--	24.0	--	14.6	--	--	24.0	--
OU2MW-03D	Montauk Highway	--	0.0	--	--	5.9	--	--	--	0.0	--	0.0	--	--	0.0	--
OU2MW-04WT	Montauk Highway	--	5.7	--	--	8.0	--	--	--	1.6	--	0.0	--	--	3.1	--
OU2MW-04S	Montauk Highway	--	0.0	--	--	5.7	--	--	--	0.0	--	0.0	--	--	0.0	--
OU2MW-04I	Montauk Highway	--	0.0	--	--	9.9	--	--	--	21.0	--	12.4	--	--	0.0	--
OU2MW-04I2	Montauk Highway	--	0.0	--	--	5.6	--	--	--	0.0	--	0.0	--	--	0.0	--
OU2MW-04D	Montauk Highway	--	0.0	--	--	5.2	--	--	--	0.0	--	0.0	--	--	0.0	--
OU2MW-08WT	Montauk Highway	--	5.2	--	--	--	4.0	--	3.9	--	--	1.2	--	--	5.9	--
OU2MW-08S	Montauk Highway	--	0.0	--	--	--	0.0	--	0.0	--	--	0.0	--	--	1.5	--
OU2MW-08I	Montauk Highway	--	0.0	--	--	--	0.0	--	0.0	--	--	11.8	--	--	10.7	--
OU2MW-08I2	Montauk Highway	--	0.0	--	--	--	0.0	--	2.7	--	--	0.0	--	--	0.0	--
OU2MW-08D	Montauk Highway	--	0.0	--	--	--	0.0	--	0.0	--	--	0.0	--	--	1.4	--

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

Well ID	Oxygen Injection System	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10
Oxidation Reduction Potential (mV)																
OU2MW-35S	33 North Clinton	--	--	-3	14	335	360	331	137	221	237	58	359	164	172	177
OU2MW-35I	33 North Clinton	--	--	-103	-60	197	306	328	124	203	229	38	352	180	168	179
OU2MW-35I2	33 North Clinton	--	--	162	251	306	245	332	368	275	228	270	410	320	236	296
OU2MW-35D	33 North Clinton	--	--	40	53	101	94	285	285	244	221	281	415	307	272	286
OU2MW-36S	33 North Clinton	--	--	148	147	309	206	185	260	150	172	25	414	197	211	213
OU2MW-36I	33 North Clinton	--	--	-8	-7	23	77	123	280	218	216	271	424	381	183	265
OU2MW-36I2	33 North Clinton	--	--	199	226	204	170	154	216	265	208	4	125	201	185	190
OU2MW-36D	33 North Clinton	--	--	-2	13	46	39	18	-25	31	-12	-5	11	2	22	24
OU2MW-37S	33 North Clinton	--	--	96	146	199	145	312	272	198	192	302	387	195	237	258
OU2MW-37I	33 North Clinton	--	--	68	171	215	191	256	290	207	158	307	404	181	235	195
OU2MW-37I2	33 North Clinton	--	--	222	246	202	260	296	64	233	215	-10	185	257	166	237
OU2MW-37D	33 North Clinton	--	--	93	122	140	122	112	-57	120	102	17	97	105	90	101
OU2MW-39S	33 North Clinton	--	--	147	184	226	331	282	258	198	197	278	420	157	207	226
OU2MW-39I	33 North Clinton	--	--	17	-20	87	325	306	245	198	209	248	405	166	195	175
OU2MW-39I2	33 North Clinton	--	--	128	135	211	170	168	106	208	211	78	288	161	293	210
OU2MW-39D	33 North Clinton	--	--	38	60	129	78	87	-58	120	93	-15	113	76	195	79
OU2MW-42S	33 North Clinton	--	--	--	-109	-78	-72	-61	-42	-39	-60	-70	-65	-68	-65	-49
OU2MW-42I	33 North Clinton	--	--	--	2	64	101	122	-21	86	86	88	57	86	33	-11
OU2MW-42I2	33 North Clinton	--	--	--	154	255	299	287	302	219	215	98	355	354	268	287
OU2MW-42D	33 North Clinton	--	--	--	154	357	386	327	311	372	370	365	362	412	395	402
OU2MW-45S	34 North Clinton	-59	46	44	66	51	99	120	36	-19	-35	-63	1	-15	-34	-4
OU2MW-45I	34 North Clinton	-36	27	20	18	38	76	71	63	43	64	31	200	39	81	-26
OU2MW-45I2	34 North Clinton	162	98	160	171	133	99	180	200	95	95	260	334	362	175	153
OU2MW-45D	34 North Clinton	122	80	123	167	202	268	252	152	165	86	285	345	375	182	173
OU2MW-46S	34 North Clinton	96	126	159	189	215	253	300	275	197	271	350	228	403	238	226
OU2MW-46I	34 North Clinton	68	127	151	167	172	345	286	286	159	266	45	216	391	184	194
OU2MW-46I2	34 North Clinton	175	164	174	217	218	284	305	310	219	279	350	257	215	229	218
OU2MW-47S	34 North Clinton	-62	21	84	189	206	340	343	314	206	244	58	256	183	209	268
OU2MW-47I	34 North Clinton	-104	15	44	91	138	330	288	210	171	229	56	356	190	205	229
OU2MW-47I2	34 North Clinton	144	134	116	178	199	225	324	306	184	232	305	360	304	172	226
OU2MW-47D	34 North Clinton	151	161	120	157	128	156	240	167	100	144	167	263	204	120	144
OU2MW-28S	9 North Clinton	--	--	119	174	134	212	311	340	152	84	67	204	195	175	163
OU2MW-28I	9 North Clinton	--	--	-155	41	100	204	292	334	160	53	-48	397	198	244	149
OU2MW-28I2	9 North Clinton	--	--	102	164	157	272	151	245	123	-64	-24	186	153	114	105
OU2MW-29I	9 North Clinton	--	--	-108	-88	-94	-55	-69	-18	-14	-115	-66	66	56	120	103
OU2MW-29I2	9 North Clinton	--	--	86	140	102	185	371	269	202	95	91	397	140	168	200
OU2MW-29D	9 North Clinton	--	--	-83	-120	-132	-12	-105	-122	-138	-166	-152	-87	-132	-119	-117
OU2MW-30S	9 North Clinton	--	--	38	169	324	224	177	355	196	237	213	198	294	220	195
OU2MW-30I	9 North Clinton	--	--	-74	41	251	102	105	214	107	223	-18	365	141	190	183
OU2MW-30I2	9 North Clinton	--	--	-21	160	320	202	197	276	123	222	187	379	312	158	160
OU2MW-30I3	9 North Clinton	--	--	77	188	131	243	161	297	132	6	174	169	324	164	187
OU2MW-30D	9 North Clinton	--	--	85	191	170	348	202	352	210	6	47	209	185	190	223
OU2MW-30D2	9 North Clinton	--	--	-35	109	147	204	65	82	61	-39	-5	379	114	105	145
OU2MW-31I	9 North Clinton	--	--	-39	11	88	236	213	354	141	-63	-9	375	324	158	209
OU2MW-31I2	9 North Clinton	--	--	85	229	339	215	240	363	185	69	147	176	324	228	203
OU2MW-32S	9 North Clinton	--	--	209	130	151	125	90	72	129	-45	-11	365	56	141	163
OU2MW-32I	9 North Clinton	--	--	-102	-135	-116	-132	-143	-156	-124	-116	-143	-116	-113	-131	-13
OU2MW-32I2	9 North Clinton	--	--	-109	-118	-112	-118	-116	-124	-138	-100	-119	-88	-95	-93	2
OU2MW-32D	9 North Clinton	--	--	7	-11	2	12	46	41	144	-9	-32	348	222	221	193

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

Well ID	Oxygen Injection System	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10
OU2MW-19I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	-132	--	-95	-109	-39
OU2MW-19I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	38	--	155	255	14
OU2MW-19D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	-113	--	-122	155	14
OU2MW-20S	Cooper Lane	--	--	--	--	--	--	--	--	--	--	77	83	283	139	152
OU2MW-20I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	-87	-35	-69	-40
OU2MW-20I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	113	250	131	162
OU2MW-20D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	-32	240	165	112	141
OU2MW-43S	Cooper Lane	--	--	--	--	--	--	--	--	--	--	-135	-100	-98	-114	-82
OU2MW-43I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	-45	26	174	166	221
OU2MW-43I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	0	-7	107	129	88
OU2MW-43D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	-111	47	211	135	143
OU2MW-44S	Cooper Lane	--	--	--	--	--	--	--	--	--	--	-65	37	-46	-34	-6
OU2MW-44I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	90	71	194	141	140
OU2MW-44I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	37	25	40	12	41
OU2MW-44D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	49	112	172	155	122
GMP-01	Manatuck Lane	--	-197	--	--	-128	--	--	-158	--	--	-162	--	--	-50	--
GMP-02	Manatuck Lane	--	142	--	--	304	--	--	273	--	--	154	--	--	143	--
GMP-04	Manatuck Lane	--	162	--	--	300	--	--	120	--	--	146	154	--	219	--
OU2MW-06S	Manatuck Lane	85	180	177	163	259	152	198	68	161	82	259	110	183	236	198
OU2MW-06	Manatuck Lane	92	193	219	179	139	231	245	104	201	45	303	397	217	306	143
OU2MW-07S	Manatuck Lane	98	201	252	213	371	207	185	41	172	84	255	320	203	304	199
OU2MW-07	Manatuck Lane	89	194	253	167	320	115	146	104	193	14	276	234	207	239	171
OU2MW-52S	Manatuck Lane	--	--	--	--	--	--	--	-35	--	--	--	232	--	233	--
OU2MW-52I	Manatuck Lane	--	--	--	--	--	--	--	85	--	--	--	357	--	169	--
OU2MW-52D	Manatuck Lane	--	--	--	--	--	--	--	140	--	--	--	243	--	282	--
OU2MW-53S	Manatuck Lane	--	--	--	--	--	--	--	57	--	--	--	302	--	-87	--
OU2MW-53I	Manatuck Lane	--	--	--	--	--	--	--	56	--	--	--	311	--	168	--
OU2MW-53D	Manatuck Lane	--	--	--	--	--	--	--	-98	--	--	--	-97	--	126	--
BBMW-25S	Montauk Highway	94	144	183	149	118	181	211	97	167	22	290	168	166	330	182
BBMW-25I	Montauk Highway	27	-38	-38	-77	-98	-70	-43	-10	-21	-32	17	11	23	27	66
BBMW-25D	Montauk Highway	105	179	227	201	185	182	288	122	212	131	320	248	205	345	162
OU2MW-01WT	Montauk Highway	8	100	127	54	5	-76	-18	-122	119	-13	-43	-4	60	89	120
OU2MW-01S	Montauk Highway	-23	-10	58	33	-23	15	14	-128	14	89	175	146	163	305	176
OU2MW-01I	Montauk Highway	93	146	235	220	119	103	351	82	158	182	195	166	171	156	135
OU2MW-01I2	Montauk Highway	99	130	189	146	120	85	226	106	182	121	195	161	164	318	181
OU2MW-01D	Montauk Highway	141	145	103	261	58	80	250	-35	114	114	69	208	83	251	92
OU2MW-02S	Montauk Highway	--	47	--	--	0	--	--	--	-134	--	33	--	--	91	--
OU2MW-02I	Montauk Highway	--	-35	--	--	-46	--	--	--	-59	--	-46	--	--	-17	--
OU2MW-02I2	Montauk Highway	--	-9	--	--	23	--	--	--	32	--	-6	--	--	45	--
OU2MW-02D	Montauk Highway	--	73	--	--	151	--	--	--	74	--	83	--	--	228	--
OU2MW-03S	Montauk Highway	--	-141	--	--	-113	--	--	--	-118	--	-125	--	--	-2	--
OU2MW-03I	Montauk Highway	--	115	--	--	159	--	--	--	162	--	155	--	--	256	--
OU2MW-03I2	Montauk Highway	--	76	--	--	97	--	--	--	90	--	116	--	--	166	--
OU2MW-03D	Montauk Highway	--	48	--	--	73	--	--	--	62	--	52	--	--	195	--
OU2MW-04WT	Montauk Highway	--	77	--	--	176	--	--	--	120	--	175	--	--	166	--
OU2MW-04S	Montauk Highway	--	-142	--	--	-116	--	--	--	-122	--	-131	--	--	-89	--
OU2MW-04I	Montauk Highway	--	34	--	--	38	--	--	--	113	--	67	--	--	93	--
OU2MW-04I2	Montauk Highway	--	-25	--	--	-10	--	--	--	-25	--	-21	--	--	109	--
OU2MW-04D	Montauk Highway	--	-63	--	--	-2	--	--	--	-24	--	-7	--	--	163	--
OU2MW-08WT	Montauk Highway	--	115	--	--	--	142	--	96	--	--	98	--	--	80	--
OU2MW-08S	Montauk Highway	--	-147	--	--	--	-103	--	-129	--	--	-103	--	--	-95	--
OU2MW-08I	Montauk Highway	--	-40	--	--	--	-23	--	-57	--	--	73	--	--	137	--
OU2MW-08I2	Montauk Highway	--	-137	--	--	--	-94	--	-158	--	--	-74	--	--	-112	--
OU2MW-08D	Montauk Highway	--	64	--	--	--	66	--	45	--	--	115	--	--	85	--

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

Well ID	Oxygen Injection System	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10
pH (SU)																
OU2MW-35S	33 North Clinton	--	--	6.56	6.29	5.81	5.51	5.95	5.87	5.71	5.98	6.10	6.13	6.31	6.02	6.26
OU2MW-35I	33 North Clinton	--	--	6.71	6.55	6.54	6.02	6.18	6.30	6.10	6.26	6.50	6.41	6.43	6.39	6.35
OU2MW-35I2	33 North Clinton	--	--	5.34	5.46	5.02	4.88	5.44	5.16	5.04	5.42	5.64	5.20	5.60	5.71	5.10
OU2MW-35D	33 North Clinton	--	--	5.69	5.57	6.01	5.67	4.99	4.71	4.60	4.69	4.99	4.68	5.01	5.07	5.08
OU2MW-36S	33 North Clinton	--	--	6.44	6.40	6.15	6.20	6.18	6.13	6.00	6.10	6.45	6.07	6.10	6.14	6.01
OU2MW-36I	33 North Clinton	--	--	6.42	6.37	6.37	6.43	6.14	5.90	5.57	5.94	5.96	5.94	6.14	6.17	5.99
OU2MW-36I2	33 North Clinton	--	--	5.28	5.14	5.19	5.61	5.19	5.04	4.48	5.08	6.67	5.08	5.11	5.09	5.01
OU2MW-36D	33 North Clinton	--	--	5.92	5.78	5.82	6.10	5.77	5.63	5.58	5.65	5.76	5.80	5.83	5.93	5.89
OU2MW-37S	33 North Clinton	--	--	6.58	6.42	6.42	6.24	6.10	6.07	5.91	5.95	6.08	6.09	6.11	6.07	5.64
OU2MW-37I	33 North Clinton	--	--	6.31	6.23	6.25	5.50	6.11	5.96	6.03	6.22	6.29	6.29	6.41	6.34	6.20
OU2MW-37I2	33 North Clinton	--	--	5.56	5.52	5.91	4.99	5.45	5.51	5.31	5.55	6.69	5.51	5.71	5.79	5.68
OU2MW-37D	33 North Clinton	--	--	5.08	5.07	5.29	4.56	5.18	5.01	4.80	5.00	6.42	4.95	5.09	5.26	5.10
OU2MW-39S	33 North Clinton	--	--	5.67	6.03	5.57	5.68	6.09	5.85	5.79	5.55	5.99	5.80	6.07	5.59	5.88
OU2MW-39I	33 North Clinton	--	--	7.49	6.39	5.71	5.74	5.94	5.83	5.89	5.74	6.16	6.04	6.15	5.70	6.07
OU2MW-39I2	33 North Clinton	--	--	5.60	4.95	5.81	4.76	4.92	4.78	4.57	4.43	6.08	4.48	4.69	4.17	4.77
OU2MW-39D	33 North Clinton	--	--	6.97	5.38	4.95	5.11	5.30	5.14	4.97	4.79	6.58	5.16	5.20	4.80	5.18
OU2MW-42S	33 North Clinton	--	--	--	6.53	6.57	6.79	6.40	6.15	6.08	6.22	6.89	6.35	6.49	6.51	6.40
OU2MW-42I	33 North Clinton	--	--	--	6.46	6.70	6.49	6.39	6.39	6.23	6.40	6.45	6.45	6.63	6.67	6.61
OU2MW-42I2	33 North Clinton	--	--	--	6.02	5.93	5.48	5.63	5.21	5.37	5.64	5.99	5.64	5.75	5.81	5.71
OU2MW-42D	33 North Clinton	--	--	--	5.14	4.24	4.09	3.95	3.97	3.33	3.52	3.47	3.17	3.34	3.40	3.46
OU2MW-45S	34 North Clinton	6.22	5.91	5.54	6.00	6.17	5.74	5.58	6.26	5.97	5.97	6.78	6.08	6.13	6.16	6.09
OU2MW-45I	34 North Clinton	6.56	6.06	5.73	6.33	6.37	4.54	5.81	6.10	5.90	5.86	6.20	5.90	6.22	6.23	6.19
OU2MW-45I2	34 North Clinton	6.37	6.17	5.79	5.28	6.23	6.17	5.05	6.06	5.80	5.96	5.74	6.16	6.13	6.16	6.14
OU2MW-45D	34 North Clinton	6.03	6.06	5.54	6.14	5.84	4.13	4.66	6.05	6.01	6.13	5.73	6.07	6.09	6.15	6.02
OU2MW-46S	34 North Clinton	6.42	6.11	5.61	6.13	5.71	6.12	4.55	5.91	5.99	5.91	5.69	6.16	6.08	6.10	5.97
OU2MW-46I	34 North Clinton	6.26	6.34	6.00	6.52	6.30	5.95	4.98	6.31	6.52	6.35	6.16	6.58	6.55	6.51	6.27
OU2MW-46I2	34 North Clinton	6.00	5.77	5.50	5.90	6.24	5.81	4.51	5.68	5.74	5.62	5.48	4.83	5.90	6.19	6.07
OU2MW-47S	34 North Clinton	6.33	5.78	5.44	5.90	5.55	5.40	4.34	5.28	5.89	5.86	6.05	5.86	6.00	5.88	5.35
OU2MW-47I	34 North Clinton	6.55	6.18	5.84	6.38	6.41	5.98	4.70	6.02	6.32	6.24	6.03	5.81	6.15	6.21	6.13
OU2MW-47I2	34 North Clinton	6.28	6.16	5.91	6.26	6.09	6.13	4.86	5.97	6.13	6.15	5.85	6.25	6.28	6.25	6.29
OU2MW-47D	34 North Clinton	5.55	5.35	5.19	5.63	5.80	5.67	4.65	5.52	5.45	5.47	5.19	6.01	5.52	5.55	5.57
OU2MW-28S	9 North Clinton	--	--	5.70	6.09	6.14	5.81	6.28	6.00	5.79	6.38	6.60	6.28	6.05	6.19	6.05
OU2MW-28I	9 North Clinton	--	--	6.36	6.08	6.07	5.90	5.79	5.81	5.69	6.21	6.54	5.03	5.83	5.98	6.02
OU2MW-28I2	9 North Clinton	--	--	5.67	6.05	5.89	5.04	6.12	5.64	6.11	6.14	6.31	5.43	5.71	5.74	5.56
OU2MW-29I	9 North Clinton	--	--	6.49	6.49	6.32	6.41	7.16	6.04	7.45	6.76	6.88	6.30	6.16	6.10	5.85
OU2MW-29I2	9 North Clinton	--	--	6.10	6.38	6.25	5.85	5.25	6.06	5.80	6.39	6.56	5.12	6.02	5.94	5.88
OU2MW-29D	9 North Clinton	--	--	6.31	6.60	6.49	6.95	7.87	6.62	6.38	7.12	7.32	6.64	6.36	6.40	6.55
OU2MW-30S	9 North Clinton	--	--	5.90	6.39	5.97	5.68	6.34	5.99	5.77	5.81	5.81	4.97	6.20	6.30	6.15
OU2MW-30I	9 North Clinton	--	--	6.16	6.30	6.05	5.95	6.12	5.97	6.28	5.88	6.40	4.54	6.19	6.18	6.10
OU2MW-30I2	9 North Clinton	--	--	6.04	6.37	5.80	5.78	6.21	5.90	6.00	5.98	5.91	4.93	6.29	6.25	6.16
OU2MW-30I3	9 North Clinton	--	--	5.72	6.14	6.10	5.01	6.00	5.70	5.56	7.38	5.66	5.09	5.98	6.11	6.06
OU2MW-30D	9 North Clinton	--	--	5.59	6.10	6.04	4.72	5.93	5.63	5.57	7.44	6.14	4.80	5.85	6.01	5.83
OU2MW-30D2	9 North Clinton	--	--	5.67	5.82	5.66	4.85	5.86	5.88	5.52	7.94	6.31	4.53	6.01	5.99	5.74
OU2MW-31I	9 North Clinton	--	--	6.16	6.06	6.17	5.01	6.10	6.08	6.30	8.21	6.37	5.39	6.30	6.33	6.02
OU2MW-31I2	9 North Clinton	--	--	5.69	5.73	5.39	5.30	5.98	5.84	6.05	5.99	5.92	6.50	6.30	6.25	5.79
OU2MW-32S	9 North Clinton	--	--	5.83	6.28	6.05	6.01	4.57	6.20	6.05	8.02	6.36	4.57	6.14	6.26	5.97
OU2MW-32I	9 North Clinton	--	--	6.38	6.79	7.17	7.36	5.80	6.86	6.47	6.30	6.28	6.81	6.61	6.64	6.21
OU2MW-32I2	9 North Clinton	--	--	6.69	6.82	6.84	7.17	7.17	6.63	6.47	6.24	6.20	6.64	6.46	6.40	6.13
OU2MW-32D	9 North Clinton	--	--	6.13	6.26	6.29	5.93	5.96	6.00	5.69	7.54	6.47	4.75	5.75	5.74	5.59

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

Well ID	Oxygen Injection System	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10
OU2MW-19I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	8.53	--	6.44	6.31	6.21
OU2MW-19I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	6.04	--	5.85	6.00	5.96
OU2MW-19D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	8.30	--	6.11	6.07	5.96
OU2MW-20S	Cooper Lane	--	--	--	--	--	--	--	--	--	--	6.09	6.06	6.18	6.14	5.99
OU2MW-20I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	7.15	5.92	5.98	5.80
OU2MW-20I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	5.62	5.96	5.98	5.92
OU2MW-20D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	7.05	5.40	5.72	5.92	5.69
OU2MW-43S	Cooper Lane	--	--	--	--	--	--	--	--	--	--	11.35	7.41	6.58	6.27	6.29
OU2MW-43I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	9.79	6.91	6.31	6.28	6.28
OU2MW-43I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	8.91	7.09	6.20	5.90	6.06
OU2MW-43D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	10.86	6.60	5.44	5.45	5.38
OU2MW-44S	Cooper Lane	--	--	--	--	--	--	--	--	--	--	10.40	6.45	6.04	6.12	6.05
OU2MW-44I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	7.54	6.10	5.81	5.92	5.70
OU2MW-44I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	8.63	6.56	6.28	6.32	6.18
OU2MW-44D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	8.24	5.40	5.54	5.68	5.55
GMP-01	Manatuck Lane	--	6.51	--	--	6.64	--	--	6.81	--	--	9.00	--	--	6.42	--
GMP-02	Manatuck Lane	--	5.88	--	--	6.08	--	--	5.00	--	--	5.03	--	--	5.90	--
GMP-04	Manatuck Lane	--	6.36	--	--	5.79	--	--	6.12	--	--	5.91	6.09	--	6.22	--
OU2MW-06S	Manatuck Lane	6.30	6.87	6.54	6.49	6.41	5.73	6.18	6.25	6.14	6.61	6.33	5.62	6.10	5.95	4.91
OU2MW-06	Manatuck Lane	6.08	6.39	6.06	6.17	6.04	5.54	5.87	5.87	5.78	7.26	5.65	4.04	5.63	5.30	5.21
OU2MW-07S	Manatuck Lane	5.73	6.14	5.77	5.71	5.87	5.47	6.05	5.89	5.72	6.18	5.95	5.55	5.74	5.57	5.82
OU2MW-07	Manatuck Lane	5.78	6.12	6.00	6.06	6.04	5.94	5.89	6.04	5.83	7.66	6.16	6.06	6.05	5.96	4.93
OU2MW-52S	Manatuck Lane	--	--	--	--	--	--	--	5.34	--	--	--	5.87	--	5.07	--
OU2MW-52I	Manatuck Lane	--	--	--	--	--	--	--	5.94	--	--	--	5.95	--	6.02	--
OU2MW-52D	Manatuck Lane	--	--	--	--	--	--	--	5.48	--	--	--	5.98	--	6.17	--
OU2MW-53S	Manatuck Lane	--	--	--	--	--	--	--	5.83	--	--	--	5.98	--	5.44	--
OU2MW-53I	Manatuck Lane	--	--	--	--	--	--	--	6.56	--	--	--	6.30	--	6.11	--
OU2MW-53D	Manatuck Lane	--	--	--	--	--	--	--	6.71	--	--	--	9.04	--	6.17	--
BBMW-25S	Montauk Highway	6.08	5.69	6.07	6.12	6.01	5.10	6.03	6.16	6.09	7.40	6.29	5.98	5.90	5.58	5.98
BBMW-25I	Montauk Highway	6.22	5.88	6.36	6.45	6.78	6.01	6.29	6.24	6.29	8.06	6.31	6.02	5.91	6.01	5.90
BBMW-25D	Montauk Highway	5.35	5.14	5.63	5.70	5.59	4.02	5.07	5.32	5.23	5.48	5.56	4.81	5.14	4.86	5.40
OU2MW-01WT	Montauk Highway	6.46	6.35	6.46	6.48	6.42	6.53	6.42	6.51	6.24	7.14	6.67	6.53	6.59	6.21	6.14
OU2MW-01S	Montauk Highway	5.88	5.65	6.04	5.97	6.24	6.30	6.47	6.31	5.83	6.62	6.07	6.19	6.27	5.87	6.14
OU2MW-01I	Montauk Highway	5.88	5.55	5.92	5.97	5.98	5.84	5.82	5.86	5.71	6.29	5.89	5.99	6.08	5.90	6.03
OU2MW-01I2	Montauk Highway	5.72	5.66	5.97	5.93	6.06	6.25	6.27	5.99	5.30	6.32	5.64	5.66	5.81	5.36	5.85
OU2MW-01D	Montauk Highway	4.63	5.16	5.62	5.52	5.46	5.99	5.50	5.65	5.20	5.97	5.21	5.03	5.07	5.17	5.37
OU2MW-02S	Montauk Highway	--	5.92	--	--	6.35	--	--	--	6.55	--	6.28	--	--	5.80	--
OU2MW-02I	Montauk Highway	--	6.01	--	--	6.34	--	--	--	6.22	--	7.79	--	--	6.29	--
OU2MW-02I2	Montauk Highway	--	5.96	--	--	5.87	--	--	--	5.80	--	7.05	--	--	5.34	--
OU2MW-02D	Montauk Highway	--	5.36	--	--	5.52	--	--	--	5.49	--	5.98	--	--	4.76	--
OU2MW-03S	Montauk Highway	--	6.48	--	--	6.77	--	--	--	6.70	--	8.76	--	--	6.13	--
OU2MW-03I	Montauk Highway	--	5.68	--	--	5.94	--	--	--	5.44	--	4.69	--	--	5.36	--
OU2MW-03I2	Montauk Highway	--	5.76	--	--	5.84	--	--	--	6.60	--	5.01	--	--	5.57	--
OU2MW-03D	Montauk Highway	--	5.76	--	--	5.82	--	--	--	6.96	--	6.20	--	--	5.01	--
OU2MW-04WT	Montauk Highway	--	5.80	--	--	5.81	--	--	--	5.83	--	4.78	--	--	5.51	--
OU2MW-04S	Montauk Highway	--	6.17	--	--	6.65	--	--	--	6.59	--	8.73	--	--	6.04	--
OU2MW-04I	Montauk Highway	--	5.50	--	--	5.96	--	--	--	5.61	--	5.55	--	--	5.65	--
OU2MW-04I2	Montauk Highway	--	5.72	--	--	6.22	--	--	--	7.83	--	7.46	--	--	5.53	--
OU2MW-04D	Montauk Highway	--	5.94	--	--	6.08	--	--	--	7.85	--	6.69	--	--	5.38	--
OU2MW-08WT	Montauk Highway	--	6.34	--	--	--	6.28	--	6.35	--	--	5.59	--	--	6.45	--
OU2MW-08S	Montauk Highway	--	6.34	--	--	--	7.04	--	6.68	--	--	8.27	--	--	6.40	--
OU2MW-08I	Montauk Highway	--	5.94	--	--	--	6.10	--	6.27	--	--	5.95	--	--	6.00	--
OU2MW-08I2	Montauk Highway	--	6.37	--	--	--	6.73	--	6.49	--	--	6.75	--	--	6.44	--
OU2MW-08D	Montauk Highway	--	5.57	--	--	--	5.71	--	5.73	--	--	5.25	--	--	5.70	--

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

Well ID	Oxygen Injection System	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10
Temperature (degrees Celcius)																
OU2MW-35S	33 North Clinton	--	--	12.7	10.6	12.3	14.0	15.0	17.1	17.3	16.7	16.1	13.9	11.6	10.3	9.3
OU2MW-35I	33 North Clinton	--	--	12.4	12.7	13.5	13.6	13.9	15.7	14.6	14.1	15.8	13.9	13.2	13.3	12.9
OU2MW-35I2	33 North Clinton	--	--	12.2	14.2	13.3	13.9	14.2	15.1	14.7	14.4	14.0	13.0	12.5	12.7	12.3
OU2MW-35D	33 North Clinton	--	--	12.1	15.6	13.2	13.3	13.9	15.2	14.6	14.2	13.7	12.8	12.7	12.5	12.6
OU2MW-36S	33 North Clinton	--	--	7.3	10.9	12.1	15.8	17.2	22.3	19.5	14.3	16.6	11.5	9.9	8.5	7.9
OU2MW-36I	33 North Clinton	--	--	10.5	12.2	13.0	14.6	16.6	22.8	16.3	13.1	14.9	7.4	12.1	11.6	10.9
OU2MW-36I2	33 North Clinton	--	--	10.9	11.9	13.5	14.4	15.8	22.9	17.5	13.9	14.2	11.3	12.7	10.5	11.2
OU2MW-36D	33 North Clinton	--	--	11.2	11.2	13.6	14.1	15.7	22.4	18.0	15.1	13.6	11.4	11.9	9.5	10.3
OU2MW-37S	33 North Clinton	--	--	11.1	12.0	12.6	14.9	15.3	17.4	16.9	16.2	15.5	14.4	12.2	11.8	11.0
OU2MW-37I	33 North Clinton	--	--	13.0	11.1	14.0	14.6	15.0	16.3	14.8	15.1	14.7	14.2	13.8	14.0	13.8
OU2MW-37I2	33 North Clinton	--	--	13.2	12.4	13.7	14.5	14.5	15.8	14.6	14.3	14.9	13.3	13.0	13.3	13.5
OU2MW-37D	33 North Clinton	--	--	12.4	11.9	13.6	14.1	14.7	15.6	15.3	14.2	14.5	12.9	13.0	12.9	13.1
OU2MW-39S	33 North Clinton	--	--	9.2	8.9	12.9	13.7	15.8	18.5	17.3	15.8	14.8	13.5	11.7	9.5	9.4
OU2MW-39I	33 North Clinton	--	--	12.9	11.6	12.7	13.1	14.3	16.1	15.2	14.3	14.3	14.1	13.9	11.2	12.6
OU2MW-39I2	33 North Clinton	--	--	12.0	12.0	13.5	13.9	14.9	15.5	14.8	13.5	14.3	11.2	12.3	10.6	12.7
OU2MW-39D	33 North Clinton	--	--	11.9	11.2	13.5	13.2	14.8	16.2	14.6	13.4	13.9	11.8	11.9	10.8	12.1
OU2MW-42S	33 North Clinton	--	--	--	9.4	11.2	13.5	14.5	16.8	17.2	16.5	16.5	14.9	12.7	10.9	9.9
OU2MW-42I	33 North Clinton	--	--	--	12.2	12.9	13.7	14.4	15.7	14.9	14.7	15.0	14.6	14.0	13.6	10.7
OU2MW-42I2	33 North Clinton	--	--	--	11.9	13.1	13.5	14.3	15.1	14.7	14.4	14.5	13.6	12.7	13.2	12.6
OU2MW-42D	33 North Clinton	--	--	--	11.3	13.1	13.4	14.6	15.0	14.8	14.2	13.5	13.1	13.0	12.3	12.4
OU2MW-45S	34 North Clinton	12.4	9.3	9.3	11.9	12.1	13.9	16.8	16.9	16.1	15.6	15.1	13.7	11.2	10.6	10.2
OU2MW-45I	34 North Clinton	13.1	11.8	11.8	13.4	12.6	16.1	15.9	15.3	14.4	14.7	14.8	13.6	12.3	12.4	12.6
OU2MW-45I2	34 North Clinton	13.3	12.0	12.1	14.0	13.4	14.4	15.5	15.7	14.7	14.1	13.4	13.4	12.5	12.9	13.2
OU2MW-45D	34 North Clinton	13.2	12.0	12.3	14.0	13.6	15.0	15.7	15.4	14.6	16.1	13.5	13.4	12.9	12.4	12.9
OU2MW-46S	34 North Clinton	11.3	9.0	9.6	12.1	13.8	16.0	18.7	19.9	17.4	16.7	14.5	13.2	10.5	8.7	12.1
OU2MW-46I	34 North Clinton	13.4	11.9	12.2	12.9	13.4	14.3	16.6	17.7	15.8	15.8	15.5	13.0	12.7	11.8	15.2
OU2MW-46I2	34 North Clinton	12.7	9.1	12.6	13.1	13.8	14.5	16.5	17.0	16.2	14.3	13.7	11.1	11.3	10.1	15.1
OU2MW-47S	34 North Clinton	12.6	10.5	10.9	12.2	14.4	14.1	17.1	19.0	17.6	17.2	16.3	14.6	11.6	11.2	11.3
OU2MW-47I	34 North Clinton	13.8	12.5	12.3	12.9	13.0	13.6	16.2	17.0	16.0	15.2	15.4	13.5	12.9	12.5	13.7
OU2MW-47I2	34 North Clinton	13.1	12.6	12.9	14.0	14.1	15.8	16.5	16.8	15.4	14.7	14.3	14.2	12.9	13.6	13.9
OU2MW-47D	34 North Clinton	13.4	12.0	12.3	14.4	14.0	14.7	16.1	16.7	15.5	14.8	14.1	12.3	12.9	12.5	12.9
OU2MW-28S	9 North Clinton	--	--	9.3	12.2	15.6	20.2	19.6	22.2	20.5	17.6	16.4	10.1	11.7	10.2	9.7
OU2MW-28I	9 North Clinton	--	--	11.8	12.4	14.9	14.9	16.7	18.3	17.4	15.0	14.6	8.1	13.4	12.8	12.7
OU2MW-28I2	9 North Clinton	--	--	11.7	12.6	12.8	15.9	17.2	17.2	15.6	14.5	14.3	12.0	12.7	12.4	12.4
OU2MW-29I	9 North Clinton	--	--	11.6	11.8	14.0	16.7	16.5	18.7	17.8	16.3	15.8	13.7	13.5	12.5	11.4
OU2MW-29I2	9 North Clinton	--	--	11.8	11.4	15.9	15.2	16.2	18.3	16.5	15.0	14.9	11.7	12.7	11.5	13.1
OU2MW-29D	9 North Clinton	--	--	11.4	12.0	14.9	15.6	15.9	18.5	16.7	14.8	14.5	11.4	12.6	11.5	12.6
OU2MW-30S	9 North Clinton	--	--	10.3	11.6	14.9	16.2	18.2	19.9	19.6	17.3	16.9	14.5	12.8	11.5	11.0
OU2MW-30I	9 North Clinton	--	--	12.1	13.4	15.3	15.5	16.5	18.3	15.6	15.0	15.5	13.0	12.6	12.6	13.3
OU2MW-30I2	9 North Clinton	--	--	11.7	12.6	16.4	15.4	15.9	18.3	16.1	15.0	15.0	12.6	13.4	13.3	13.2
OU2MW-30I3	9 North Clinton	--	--	12.1	12.2	15.8	14.4	16.9	17.3	18.1	15.7	14.9	14.5	12.8	12.7	13.2
OU2MW-30D	9 North Clinton	--	--	11.9	12.5	15.2	16.0	16.0	17.5	15.6	15.4	15.4	13.5	11.8	12.3	13.0
OU2MW-30D2	9 North Clinton	--	--	11.9	12.8	15.1	14.5	15.5	18.7	15.2	15.2	15.1	13.6	13.0	12.4	12.9
OU2MW-31I	9 North Clinton	--	--	11.7	13.1	15.3	15.4	15.9	18.1	18.3	16.7	16.8	12.0	13.7	13.6	12.4
OU2MW-31I2	9 North Clinton	--	--	13.3	12.9	16.2	15.7	15.7	17.1	18.0	14.9	14.9	14.2	13.7	13.7	13.0
OU2MW-32S	9 North Clinton	--	--	7.8	12.0	15.5	18.2	20.3	23.7	19.4	16.9	16.2	2.4	9.7	8.4	8.5
OU2MW-32I	9 North Clinton	--	--	7.4	12.6	14.3	17.1	18.9	22.1	17.2	15.4	15.2	10.0	10.7	10.9	11.5
OU2MW-32I2	9 North Clinton	--	--	10.0	12.2	14.8	15.7	19.1	20.5	16.6	13.7	13.9	10.0	11.8	11.4	12.2
OU2MW-32D	9 North Clinton	--	--	8.7	12.1	16.2	15.7	18.9	19.8	16.3	14.6	14.4	5.7	10.8	10.5	11.5
OU2MW-19I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	16.2	--	12.5	12.7	12.2
OU2MW-19I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	15.0	--	13.4	13.2	11.7
OU2MW-19D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	14.8	--	12.1	12.5	11.7

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

Well ID	Oxygen Injection System	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10
OU2MW-20S	Cooper Lane	--	--	--	--	--	--	--	--	--	--	14.4	12.7	9.6	8.9	7.9
OU2MW-20I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	14.5	13.3	12.1	10.9
OU2MW-20I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	--	13.3	12.4	13.1	11.4
OU2MW-20D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	14.5	12.6	13.2	12.9	12.1
OU2MW-43S	Cooper Lane	--	--	--	--	--	--	--	--	--	--	15.6	12.8	11.9	9.5	9.8
OU2MW-43I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	15.0	13.1	14.3	13.1	13.4
OU2MW-43I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	14.2	12.2	13.1	12.9	13.3
OU2MW-43D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	13.8	13.1	13.0	12.6	12.6
OU2MW-44S	Cooper Lane	--	--	--	--	--	--	--	--	--	--	14.8	12.3	11.7	10.5	10.2
OU2MW-44I	Cooper Lane	--	--	--	--	--	--	--	--	--	--	13.5	13.1	12.2	11.1	13.0
OU2MW-44I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--	13.5	12.4	12.1	12.7	12.7
OU2MW-44D	Cooper Lane	--	--	--	--	--	--	--	--	--	--	13.6	12.8	12.2	12.5	12.4
GMP-01	Manatuck Lane	--	13.5	--	--	13.6	--	--	16.8	--	--	14.7	--	--	12.5	--
GMP-02	Manatuck Lane	--	12.5	--	--	12.7	--	--	14.1	--	--	14.2	--	--	10.1	--
GMP-04	Manatuck Lane	--	13.2	--	--	13.4	--	--	16.1	--	--	16.6	14.0	--	13.8	--
OU2MW-06S	Manatuck Lane	1.8	17.8	11.9	16.3	19.6	22.3	20.6	24.3	21.2	13.6	16.2	6.9	5.1	4.2	16.5
OU2MW-06	Manatuck Lane	3.6	11.5	14.4	19.0	18.8	23.7	20.7	21.5	20.0	13.6	16.3	2.3	8.1	6.8	11.1
OU2MW-07S	Manatuck Lane	8.5	7.9	7.7	9.5	12.6	16.7	18.5	22.5	20.0	16.4	17.1	12.0	8.1	7.3	8.9
OU2MW-07	Manatuck Lane	12.9	12.3	11.3	12.3	12.9	14.2	16.2	19.4	17.9	16.4	16.8	14.8	11.9	11.1	11.7
OU2MW-52S	Manatuck Lane	--	--	--	--	--	--	--	20.0	--	--	--	13.5	--	12.4	--
OU2MW-52I	Manatuck Lane	--	--	--	--	--	--	--	16.3	--	--	--	14.6	--	11.8	--
OU2MW-52D	Manatuck Lane	--	--	--	--	--	--	--	16.1	--	--	--	14.3	--	8.2	--
OU2MW-53S	Manatuck Lane	--	--	--	--	--	--	--	19.5	--	--	--	11.8	--	12.4	--
OU2MW-53I	Manatuck Lane	--	--	--	--	--	--	--	14.9	--	--	--	14.6	--	11.9	--
OU2MW-53D	Manatuck Lane	--	--	--	--	--	--	--	15.3	--	--	--	12.6	--	6.3	--
BBMW-25S	Montauk Highway	9.6	3.7	12.0	13.5	15.8	22.2	20.9	20.1	20.9	16.8	16.9	10.0	11.4	9.1	10.7
BBMW-25I	Montauk Highway	10.6	10.9	11.9	14.5	15.9	20.9	16.9	18.0	18.5	14.2	16.1	10.0	13.1	12.3	13.1
BBMW-25D	Montauk Highway	9.2	8.1	11.3	12.1	14.2	19.8	16.8	12.1	19.4	12.8	15.4	6.7	10.8	11.6	12.4
OU2MW-01WT	Montauk Highway	5.3	9.1	10.5	13.0	14.4	22.4	20.3	21.0	24.2	16.7	4.4	9.9	8.7	6.9	10.0
OU2MW-01S	Montauk Highway	6.1	12.3	13.9	13.5	14.1	13.6	16.6	18.9	18.2	14.7	4.9	10.6	11.7	10.6	12.8
OU2MW-01I	Montauk Highway	5.1	14.7	12.1	13.7	15.0	17.1	17.2	18.8	21.0	14.1	4.7	10.3	12.4	8.5	12.7
OU2MW-01I2	Montauk Highway	5.5	12.6	15.5	13.4	15.0	20.8	17.5	20.4	16.9	13.5	4.1	10.5	11.0	10.0	11.7
OU2MW-01D	Montauk Highway	1.7	13.6	14.4	13.5	13.1	19.8	16.4	19.6	18.3	13.4	2.4	9.7	9.5	7.5	12.4
OU2MW-02S	Montauk Highway	--	10.9	--	--	18.0	--	--	--	21.6	--	13.3	--	--	5.1	--
OU2MW-02I	Montauk Highway	--	11.0	--	--	17.9	--	--	--	20.4	--	14.3	--	--	11.3	--
OU2MW-02I2	Montauk Highway	--	10.2	--	--	20.4	--	--	--	17.2	--	14.4	--	--	6.5	--
OU2MW-02D	Montauk Highway	--	10.4	--	--	20.0	--	--	--	21.2	--	13.1	--	--	8.6	--
OU2MW-03S	Montauk Highway	--	13.1	--	--	13.0	--	--	--	16.0	--	15.6	--	--	11.5	--
OU2MW-03I	Montauk Highway	--	13.1	--	--	13.8	--	--	--	15.0	--	14.3	--	--	11.9	--
OU2MW-03I2	Montauk Highway	--	12.1	--	--	13.1	--	--	--	15.0	--	14.0	--	--	10.9	--
OU2MW-03D	Montauk Highway	--	11.8	--	--	12.7	--	--	--	14.7	--	13.7	--	--	11.0	--
OU2MW-04WT	Montauk Highway	--	4.9	--	--	11.6	--	--	--	19.0	--	14.1	--	--	4.0	--
OU2MW-04S	Montauk Highway	--	7.6	--	--	12.3	--	--	--	15.2	--	14.8	--	--	8.4	--
OU2MW-04I	Montauk Highway	--	7.5	--	--	14.0	--	--	--	14.7	--	13.9	--	--	4.7	--
OU2MW-04I2	Montauk Highway	--	5.5	--	--	13.0	--	--	--	15.5	--	13.6	--	--	7.7	--
OU2MW-04D	Montauk Highway	--	6.5	--	--	13.7	--	--	--	15.0	--	13.7	--	--	6.8	--
OU2MW-08WT	Montauk Highway	--	10.0	--	--	--	17.8	--	20.0	--	--	16.6	--	--	10.1	--
OU2MW-08S	Montauk Highway	--	14.1	--	--	--	16.1	--	17.0	--	--	15.6	--	--	14.8	--
OU2MW-08I	Montauk Highway	--	13.4	--	--	--	15.6	--	16.7	--	--	8.0	--	--	13.1	--
OU2MW-08I2	Montauk Highway	--	12.9	--	--	--	16.6	--	16.5	--	--	7.6	--	--	12.9	--
OU2MW-08D	Montauk Highway	--	12.8	--	--	--	14.6	--	16.3	--	--	6.1	--	--	12.9	--

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

Well ID	Oxygen Injection System	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10
Conductivity (mS/cm)							
OU2MW-35S	33 North Clinton	0.275	0.288	--	--	0.685	--
OU2MW-35I	33 North Clinton	0.617	0.648	--	--	0.923	--
OU2MW-35I2	33 North Clinton	0.138	0.145	--	--	0.270	--
OU2MW-35D	33 North Clinton	0.325	0.374	--	--	0.690	--
OU2MW-36S	33 North Clinton	0.450	0.290	--	--	0.280	--
OU2MW-36I	33 North Clinton	0.566	0.578	--	--	0.584	--
OU2MW-36I2	33 North Clinton	0.285	0.268	--	--	0.303	--
OU2MW-36D	33 North Clinton	0.258	0.260	--	--	0.613	--
OU2MW-37S	33 North Clinton	0.225	0.247	--	--	0.267	--
OU2MW-37I	33 North Clinton	0.615	0.552	--	--	0.497	--
OU2MW-37I2	33 North Clinton	0.312	0.700	--	--	0.336	--
OU2MW-37D	33 North Clinton	0.522	0.850	--	--	0.291	--
OU2MW-39S	33 North Clinton	0.218	0.297	0.293	0.225	0.238	0.227
OU2MW-39I	33 North Clinton	0.459	0.542	0.602	0.629	0.811	0.861
OU2MW-39I2	33 North Clinton	0.494	0.538	0.558	0.391	0.312	0.223
OU2MW-39D	33 North Clinton	0.789	0.899	0.706	0.525	0.866	0.764
OU2MW-42S	33 North Clinton	0.434	0.276	--	--	0.435	--
OU2MW-42I	33 North Clinton	0.691	0.491	--	--	0.414	--
OU2MW-42I2	33 North Clinton	0.407	0.616	--	--	0.308	--
OU2MW-42D	33 North Clinton	1.140	1.660	--	--	1.500	--
OU2MW-45S	34 North Clinton	0.315	0.253	--	--	0.287	--
OU2MW-45I	34 North Clinton	0.389	0.529	--	--	0.463	--
OU2MW-45I2	34 North Clinton	0.448	0.294	--	--	0.269	--
OU2MW-45D	34 North Clinton	0.149	0.143	--	--	0.089	--
OU2MW-46S	34 North Clinton	0.881	0.901	--	--	0.437	--
OU2MW-46I	34 North Clinton	0.891	1.060	--	--	0.391	--
OU2MW-46I2	34 North Clinton	0.344	0.396	--		0.359	--
OU2MW-47S	34 North Clinton	0.203	0.300	0.363	0.413	0.364	0.444
OU2MW-47I	34 North Clinton	0.656	0.820	0.915	0.920	0.674	0.586
OU2MW-47I2	34 North Clinton	0.775	0.709	0.621	0.547	0.383	0.328
OU2MW-47D	34 North Clinton	0.517	0.285	0.322	0.355	0.312	0.264
OU2MW-28S	9 North Clinton	0.239	0.335	--	--	0.190	--
OU2MW-28I	9 North Clinton	0.514	0.601	--	--	0.375	--
OU2MW-28I2	9 North Clinton	0.355	0.483	--	--	1.580	--
OU2MW-29I	9 North Clinton	0.496	0.532	--	--	0.401	--
OU2MW-29I2	9 North Clinton	0.664	0.472	--	--	0.378	--
OU2MW-29D	9 North Clinton	0.331	0.355	--	--	0.228	--
OU2MW-30S	9 North Clinton	0.361	0.271	0.241	0.201	0.214	0.247
OU2MW-30I	9 North Clinton	0.771	0.498	0.430	0.365	0.351	0.374
OU2MW-30I2	9 North Clinton	0.689	0.371	0.406	0.399	0.301	0.323
OU2MW-30I3	9 North Clinton	0.680	0.498	0.432	0.343	0.403	0.383
OU2MW-30D	9 North Clinton	0.608	0.395	0.399	0.315	0.286	0.342
OU2MW-30D2	9 North Clinton	0.523	0.400	0.397	0.325	0.376	0.369
OU2MW-31I	9 North Clinton	0.783	0.554	--	--	0.525	--
OU2MW-31I2	9 North Clinton	0.741	0.476	--	--	0.460	--
OU2MW-32S	9 North Clinton	1.760	0.838	--	--	0.403	--
OU2MW-32I	9 North Clinton	0.999	0.507	--	--	0.486	--
OU2MW-32I2	9 North Clinton	0.805	0.487	--	--	0.395	--
OU2MW-32D	9 North Clinton	0.950	0.332	--	--	0.276	--

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

Well ID	Oxygen Injection System	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10
OU2MW-19I	Cooper Lane	0.587	0.940	--	0.660	--	--
OU2MW-19I2	Cooper Lane	0.567	0.497	--	0.481	--	--
OU2MW-19D	Cooper Lane	1.170	1.380	--	1.520	--	--
OU2MW-20S	Cooper Lane	0.535	0.194	0.143	0.123	0.128	0.152
OU2MW-20I	Cooper Lane	0.453	0.550	0.634	0.461	0.433	0.494
OU2MW-20I2	Cooper Lane	0.493	0.373	0.363	0.269	0.274	0.343
OU2MW-20D	Cooper Lane	0.158	0.269	0.240	0.216	0.180	0.200
OU2MW-43S	Cooper Lane	1.560	1.000	--	0.815	--	--
OU2MW-43I	Cooper Lane	0.500	0.639	--	0.629	--	--
OU2MW-43I2	Cooper Lane	0.714	0.463	--	0.492	--	--
OU2MW-43D	Cooper Lane	1.510	1.490	--	1.700	--	--
OU2MW-44S	Cooper Lane	0.312	0.250	--	0.159	--	--
OU2MW-44I	Cooper Lane	0.224	0.255	--	0.219	--	--
OU2MW-44I2	Cooper Lane	0.999	0.406	--	0.330	--	--
OU2MW-44D	Cooper Lane	0.304	0.331	--	0.290	--	--
GMP-01	Manatuck Lane	0.539	--	--	0.524	--	--
GMP-02	Manatuck Lane	0.364	--	--	0.470	--	--
GMP-04	Manatuck Lane	0.196	--	--	0.342	--	--
OU2MW-06S	Manatuck Lane	0.206	0.392	0.221	0.155	0.135	0.172
OU2MW-06	Manatuck Lane	0.580	0.403	0.257	0.167	0.122	0.175
OU2MW-07S	Manatuck Lane	0.280	0.143	0.114	0.109	0.100	0.133
OU2MW-07	Manatuck Lane	0.476	0.405	0.373	0.431	0.365	0.433
OU2MW-52S	Manatuck Lane	0.097	--	--	0.066	--	--
OU2MW-52I	Manatuck Lane	--	--	--	0.409	--	--
OU2MW-52D	Manatuck Lane	0.270	--	--	0.106	--	--
OU2MW-53S	Manatuck Lane	0.083	--	--	--	0.138	--
OU2MW-53I	Manatuck Lane	0.452	--	--	--	0.412	--
OU2MW-53D	Manatuck Lane	0.353	--	--	--	0.419	--
BBMW-25S	Montauk Highway	0.429	0.380	0.461	0.420	0.274	0.273
BBMW-25I	Montauk Highway	0.497	0.526	0.593	0.645	0.501	0.485
BBMW-25D	Montauk Highway	0.120	0.087	0.132	0.115	0.063	0.090
OU2MW-01WT	Montauk Highway	1.630	1.240	0.780	0.369	0.427	0.345
OU2MW-01S	Montauk Highway	0.743	0.688	0.618	0.569	0.646	0.632
OU2MW-01I	Montauk Highway	0.570	0.524	0.527	0.388	0.465	0.379
OU2MW-01I2	Montauk Highway	0.299	0.401	0.260	0.182	0.990	0.089
OU2MW-01D	Montauk Highway	0.071	0.064	0.910	0.048	0.047	0.056
OU2MW-02S	Montauk Highway	1.350	--	--	--	--	0.439
OU2MW-02I	Montauk Highway	0.286	--	--	--	--	0.218
OU2MW-02I2	Montauk Highway	0.110	--	--	--	--	0.065
OU2MW-02D	Montauk Highway	0.067	--	--	--	--	0.039
OU2MW-03S	Montauk Highway	0.672	--	--	--	--	0.678
OU2MW-03I	Montauk Highway	0.449	--	--	--	--	0.436
OU2MW-03I2	Montauk Highway	0.112	--	--	--	--	0.070
OU2MW-03D	Montauk Highway	0.058	--	--	--	--	0.037
OU2MW-04WT	Montauk Highway	0.088	--	--	--	--	0.150
OU2MW-04S	Montauk Highway	0.920	--	--	--	--	0.507
OU2MW-04I	Montauk Highway	0.526	--	--	--	--	0.270
OU2MW-04I2	Montauk Highway	0.073	--	--	--	--	0.046
OU2MW-04D	Montauk Highway	0.051	--	--	--	--	0.056
OU2MW-08WT	Montauk Highway	0.338	--	--	0.278	--	--
OU2MW-08S	Montauk Highway	0.951	--	--	0.647	--	--
OU2MW-08I	Montauk Highway	0.527	--	--	0.266	--	--
OU2MW-08I2	Montauk Highway	0.342	--	--	0.255	--	--
OU2MW-08D	Montauk Highway	0.048	--	--	0.039	--	--

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

Well ID	Oxygen Injection System	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10
Dissolved Oxygen (mg/L)							
OU2MW-35S	33 North Clinton	25.0	38.0	--	--	40.0	--
OU2MW-35I	33 North Clinton	28.0	27.0	--	--	40.0	--
OU2MW-35I2	33 North Clinton	27.0	28.0	--	--	29.0	--
OU2MW-35D	33 North Clinton	29.0	27.0	--	--	32.0	--
OU2MW-36S	33 North Clinton	23.0	19.0	--	--	21.0	--
OU2MW-36I	33 North Clinton	27.0	24.0	--	--	33.0	--
OU2MW-36I2	33 North Clinton	2.6	0.8	--	--	9.7	--
OU2MW-36D	33 North Clinton	3.9	0.0	--	--	0.0	--
OU2MW-37S	33 North Clinton	24.0	28.0	--	--	14.0	--
OU2MW-37I	33 North Clinton	31.0	37.0	--	--	18.0	--
OU2MW-37I2	33 North Clinton	3.4	0.2	--	--	0.0	--
OU2MW-37D	33 North Clinton	0.0	0.0	--	--	0.8	--
OU2MW-39S	33 North Clinton	14.4	18.0	28.0	26.0	27.0	20.0
OU2MW-39I	33 North Clinton	29.0	10.0	25.0	30.0	38.0	29.0
OU2MW-39I2	33 North Clinton	0.0	0.0	0.0	2.0	0.9	0.0
OU2MW-39D	33 North Clinton	0.0	0.0	0.0	0.0	0.0	0.0
OU2MW-42S	33 North Clinton	4.0	4.4	--	--	2.2	--
OU2MW-42I	33 North Clinton	15.3	16.3	--	--	24.0	--
OU2MW-42I2	33 North Clinton	34.0	35.0	--	--	31.0	--
OU2MW-42D	33 North Clinton	30.0	42.0	--	--	28.0	--
OU2MW-45S	34 North Clinton	6.0	3.6	--	--	3.4	--
OU2MW-45I	34 North Clinton	14.2	12.0	--	--	16.6	--
OU2MW-45I2	34 North Clinton	26.0	28.0	--	--	28.0	--
OU2MW-45D	34 North Clinton	19.0	19.0	--	--	22.0	--
OU2MW-46S	34 North Clinton	30.0	22.0	--	--	25.0	--
OU2MW-46I	34 North Clinton	27.0	20.0	--	--	32.0	--
OU2MW-46I2	34 North Clinton	32.0	43.0	--	--	27.0	--
OU2MW-47S	34 North Clinton	26.0	12.0	25.0	33.0	29.0	25.0
OU2MW-47I	34 North Clinton	26.0	20.0	30.0	24.0	26.0	27.0
OU2MW-47I2	34 North Clinton	25.0	16.0	29.0	39.0	36.0	21.0
OU2MW-47D	34 North Clinton	24.0	12.0	27.0	28.0	26.0	21.0
OU2MW-28S	9 North Clinton	26.0	29.0	--	--	34.0	--
OU2MW-28I	9 North Clinton	11.3	11.3	--	--	26.0	--
OU2MW-28I2	9 North Clinton	3.2	0.0	--	--	0.0	--
OU2MW-29I	9 North Clinton	19.5	3.6	--	--	30.0	--
OU2MW-29I2	9 North Clinton	31.0	24.0	--	--	32.0	--
OU2MW-29D	9 North Clinton	3.3	0.0	--	--	0.0	--
OU2MW-30S	9 North Clinton	26.0	11.4	27.0	24.0	29.0	27.0
OU2MW-30I	9 North Clinton	28.0	14.6	27.0	26.0	25.0	36.0
OU2MW-30I2	9 North Clinton	36.0	23.0	28.0	23.0	24.0	42.0
OU2MW-30I3	9 North Clinton	34.0	24.0	36.0	27.0	36.0	34.0
OU2MW-30D	9 North Clinton	29.0	31.0	31.0	27.0	20.0	33.0
OU2MW-30D2	9 North Clinton	9.3	0.0	10.0	22.0	30.0	23.0
OU2MW-31I	9 North Clinton	28.0	20.0	--	--	35.0	--
OU2MW-31I2	9 North Clinton	23.0	23.0	--	--	28.0	--
OU2MW-32S	9 North Clinton	0.6	0.0	--	--	1.9	--
OU2MW-32I	9 North Clinton	0.0	0.0	--	--	0.0	--
OU2MW-32I2	9 North Clinton	0.0	0.0	--	--	0.0	--
OU2MW-32D	9 North Clinton	0.9	0.0	--	--	0.0	--

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

Well ID	Oxygen Injection System	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10
OU2MW-19I	Cooper Lane	4.2	0.0	--	2.7	--	--
OU2MW-19I2	Cooper Lane	36.0	32.0	--	27.0	--	--
OU2MW-19D	Cooper Lane	9.2	18.0	--	20.0	--	--
OU2MW-20S	Cooper Lane	17.2	16.0	17.0	14.0	12.0	13.0
OU2MW-20I	Cooper Lane	6.5	3.0	24.0	28.0	17.0	22.0
OU2MW-20I2	Cooper Lane	4.8	0.0	0.0	0.0	0.0	0.0
OU2MW-20D	Cooper Lane	3.7	0.0	0.0	0.0	0.0	0.0
OU2MW-43S	Cooper Lane	0.0	0.0	--	0.0	--	--
OU2MW-43I	Cooper Lane	26.0	43.0	--	30.0	--	--
OU2MW-43I2	Cooper Lane	11.3	11.4	--	11.4	--	--
OU2MW-43D	Cooper Lane	22.0	30.0	--	27.0	--	--
OU2MW-44S	Cooper Lane	1.4	0.0	--	0.0	--	--
OU2MW-44I	Cooper Lane	4.1	0.0	--	0.0	--	--
OU2MW-44I2	Cooper Lane	0.0	0.0	--	0.0	--	--
OU2MW-44D	Cooper Lane	3.7	0.0	--	0.0	--	--
GMP-01	Manatuck Lane	3.7	--	--	0.0	--	--
GMP-02	Manatuck Lane	25.0	--	--	19.8	--	--
GMP-04	Manatuck Lane	18.6	--	--	12.8	--	--
OU2MW-06S	Manatuck Lane	16.0	5.0	12.0	13.0	7.0	8.0
OU2MW-06	Manatuck Lane	27.0	9.0	23.0	23.0	18.0	28.0
OU2MW-07S	Manatuck Lane	12.0	5.0	14.0	11.0	8.0	9.0
OU2MW-07	Manatuck Lane	23.0	15.0	34.0	20.0	21.0	24.0
OU2MW-52S	Manatuck Lane	8.8	--	--	2.9	--	--
OU2MW-52I	Manatuck Lane	--	--	--	23.0	--	--
OU2MW-52D	Manatuck Lane	26.0	--	--	26.0	--	--
OU2MW-53S	Manatuck Lane	3.0	--	--	--	3.2	--
OU2MW-53I	Manatuck Lane	19.0	--	--	--	25.0	--
OU2MW-53D	Manatuck Lane	0.0	--	--	--	0.0	--
BBMW-25S	Montauk Highway	28.0	29.0	28.0	22.0	21.0	19.0
BBMW-25I	Montauk Highway	29.0	20.0	22.0	22.0	24.0	22.0
BBMW-25D	Montauk Highway	22.0	19.0	25.0	24.0	22.0	17.0
OU2MW-01WT	Montauk Highway	11.0	15.0	19.0	15.4	13.0	17.0
OU2MW-01S	Montauk Highway	5.0	28.0	22.0	23.0	15.0	16.0
OU2MW-01I	Montauk Highway	32.0	28.0	34.0	26.0	22.0	22.0
OU2MW-01I2	Montauk Highway	12.0	10.0	10.1	17.0	10.0	8.0
OU2MW-01D	Montauk Highway	1.0	1.0	1.0	1.0	1.0	2.0
OU2MW-02S	Montauk Highway	0.0	--	--	--	--	14.5
OU2MW-02I	Montauk Highway	1.0	--	--	--	--	0.0
OU2MW-02I2	Montauk Highway	0.0	--	--	--	--	0.1
OU2MW-02D	Montauk Highway	1.0	--	--	--	--	0.2
OU2MW-03S	Montauk Highway	0.0	--	--	--	--	0.0
OU2MW-03I	Montauk Highway	0.0	--	--	--	--	0.0
OU2MW-03I2	Montauk Highway	6.5	--	--	--	--	0.0
OU2MW-03D	Montauk Highway	0.0	--	--	--	--	0.0
OU2MW-04WT	Montauk Highway	8.6	--	--	--	--	0.3
OU2MW-04S	Montauk Highway	0.0	--	--	--	--	0.0
OU2MW-04I	Montauk Highway	17.1	--	--	--	--	0.0
OU2MW-04I2	Montauk Highway	4.0	--	--	--	--	0.0
OU2MW-04D	Montauk Highway	3.6	--	--	--	--	0.0
OU2MW-08WT	Montauk Highway	8.2	--	--	2.1	--	--
OU2MW-08S	Montauk Highway	0.0	--	--	0.0	--	--
OU2MW-08I	Montauk Highway	32.0	--	--	31.0	--	--
OU2MW-08I2	Montauk Highway	0.0	--	--	0.0	--	--
OU2MW-08D	Montauk Highway	0.0	--	--	0.0	--	--

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

Well ID	Oxygen Injection System	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10
Oxidation Reduction Potential (mV)							
OU2MW-35S	33 North Clinton	219	287	--	--	236	--
OU2MW-35I	33 North Clinton	224	265	--	--	220	--
OU2MW-35I2	33 North Clinton	262	506	--	--	297	--
OU2MW-35D	33 North Clinton	308	498	--	--	359	--
OU2MW-36S	33 North Clinton	182	409	--	--	236	--
OU2MW-36I	33 North Clinton	196	156	--	--	238	--
OU2MW-36I2	33 North Clinton	212	369	--	--	347	--
OU2MW-36D	33 North Clinton	10	-33	--	--	-2	--
OU2MW-37S	33 North Clinton	198	115	--	--	196	--
OU2MW-37I	33 North Clinton	155	115	--	--	221	--
OU2MW-37I2	33 North Clinton	213	160	--	--	201	--
OU2MW-37D	33 North Clinton	85	99	--	--	107	--
OU2MW-39S	33 North Clinton	195	216	157	277	202	186
OU2MW-39I	33 North Clinton	184	216	140	199	170	158
OU2MW-39I2	33 North Clinton	167	171	181	206	197	177
OU2MW-39D	33 North Clinton	61	83	101	60	83	99
OU2MW-42S	33 North Clinton	3	-21	--	--	24	--
OU2MW-42I	33 North Clinton	27	5	--	--	56	--
OU2MW-42I2	33 North Clinton	253	263	--	--	255	--
OU2MW-42D	33 North Clinton	413	415	--	--	420	--
OU2MW-45S	34 North Clinton	36	39	--	--	-15	--
OU2MW-45I	34 North Clinton	28	9	--	--	21	--
OU2MW-45I2	34 North Clinton	165	206	--	--	217	--
OU2MW-45D	34 North Clinton	140	240	--	--	256	--
OU2MW-46S	34 North Clinton	501	237	--	--	205	--
OU2MW-46I	34 North Clinton	116	188	--	--	175	--
OU2MW-46I2	34 North Clinton	114	251	--	--	225	--
OU2MW-47S	34 North Clinton	201	251	220	221	294	149
OU2MW-47I	34 North Clinton	182	216	195	182	233	172
OU2MW-47I2	34 North Clinton	209	206	209	204	254	290
OU2MW-47D	34 North Clinton	166	170	194	203	166	187
OU2MW-28S	9 North Clinton	181	198	--	--	166	--
OU2MW-28I	9 North Clinton	151	191	--	--	176	--
OU2MW-28I2	9 North Clinton	72	145	--	--	49	--
OU2MW-29I	9 North Clinton	117	58	--	--	226	--
OU2MW-29I2	9 North Clinton	178	177	--	--	219	--
OU2MW-29D	9 North Clinton	-109	-96	--	--	-75	--
OU2MW-30S	9 North Clinton	189	176	186	240	209	275
OU2MW-30I	9 North Clinton	194	170	175	205	180	249
OU2MW-30I2	9 North Clinton	184	176	209	239	183	228
OU2MW-30I3	9 North Clinton	180	164	184	237	178	271
OU2MW-30D	9 North Clinton	201	200	224	200	206	272
OU2MW-30D2	9 North Clinton	104	59	104	101	125	216
OU2MW-31I	9 North Clinton	188	174	--	--	165	--
OU2MW-31I2	9 North Clinton	180	166	--	--	212	--
OU2MW-32S	9 North Clinton	119	99	--	--	118	--
OU2MW-32I	9 North Clinton	-115	-163	--	--	-96	--
OU2MW-32I2	9 North Clinton	-87	-89	--	--	-48	--
OU2MW-32D	9 North Clinton	227	177	--	--	188	--

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

Well ID	Oxygen Injection System	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10
OU2MW-19I	Cooper Lane	-61	-103	--	-68	--	--
OU2MW-19I2	Cooper Lane	178	192	--	167	--	--
OU2MW-19D	Cooper Lane	20	42	--	29	--	--
OU2MW-20S	Cooper Lane	189	163	238	177	188	226
OU2MW-20I	Cooper Lane	3	92	74	172	174	190
OU2MW-20I2	Cooper Lane	168	139	133	182	162	212
OU2MW-20D	Cooper Lane	152	193	228	176	164	220
OU2MW-43S	Cooper Lane	-104	-90	--	-113	--	--
OU2MW-43I	Cooper Lane	178	199	--	155	--	--
OU2MW-43I2	Cooper Lane	88	70	--	87	--	--
OU2MW-43D	Cooper Lane	143	410	--	100	--	--
OU2MW-44S	Cooper Lane	-25	2	--	-42	--	--
OU2MW-44I	Cooper Lane	143	52	--	56	--	--
OU2MW-44I2	Cooper Lane	21	44	--	14	--	--
OU2MW-44D	Cooper Lane	147	78	--	102	--	--
GMP-01	Manatuck Lane	-132	--	--	-195	--	--
GMP-02	Manatuck Lane	150	--	--	178	--	--
GMP-04	Manatuck Lane	108	--	--	160	--	--
OU2MW-06S	Manatuck Lane	57	207	51	191	193	172
OU2MW-06	Manatuck Lane	193	218	42	202	211	212
OU2MW-07S	Manatuck Lane	211	268	19	196	191	190
OU2MW-07	Manatuck Lane	93	134	36	207	210	201
OU2MW-52S	Manatuck Lane	266	--	--	206	--	--
OU2MW-52I	Manatuck Lane	--	--	--	214	--	--
OU2MW-52D	Manatuck Lane	204	--	--	118	--	--
OU2MW-53S	Manatuck Lane	425	--	--	--	155	--
OU2MW-53I	Manatuck Lane	149	--	--	--	249	--
OU2MW-53D	Manatuck Lane	-84	--	--	--	-34	--
BBMW-25S	Montauk Highway	198	187	153	208	152	146
BBMW-25I	Montauk Highway	128	178	117	156	93	105
BBMW-25D	Montauk Highway	180	168	177	202	210	218
OU2MW-01WT	Montauk Highway	90	18	37	170	-36	255
OU2MW-01S	Montauk Highway	180	185	186	267	194	248
OU2MW-01I	Montauk Highway	206	185	184	183	264	249
OU2MW-01I2	Montauk Highway	215	198	190	242	194	135
OU2MW-01D	Montauk Highway	224	94	155	42	109	57
OU2MW-02S	Montauk Highway	-78	--	--	--	--	93
OU2MW-02I	Montauk Highway	-71	--	--	--	--	-38
OU2MW-02I2	Montauk Highway	40	--	--	--	--	6
OU2MW-02D	Montauk Highway	82	--	--	--	--	116
OU2MW-03S	Montauk Highway	-120	--	--	--	--	-34
OU2MW-03I	Montauk Highway	66	--	--	--	--	257
OU2MW-03I2	Montauk Highway	120	--	--	--	--	133
OU2MW-03D	Montauk Highway	62	--	--	--	--	86
OU2MW-04WT	Montauk Highway	209	--	--	--	--	164
OU2MW-04S	Montauk Highway	-94	--	--	--	--	-104
OU2MW-04I	Montauk Highway	87	--	--	--	--	132
OU2MW-04I2	Montauk Highway	35	--	--	--	--	15
OU2MW-04D	Montauk Highway	30	--	--	--	--	83
OU2MW-08WT	Montauk Highway	330	--	--	66	--	--
OU2MW-08S	Montauk Highway	-104	--	--	-131	--	--
OU2MW-08I	Montauk Highway	173	--	--	138	--	--
OU2MW-08I2	Montauk Highway	14	--	--	-144	--	--
OU2MW-08D	Montauk Highway	175	--	--	52	--	--

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

Well ID	Oxygen Injection System	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10
pH (SU)							
OU2MW-35S	33 North Clinton	6.00	5.95	--	--	5.94	--
OU2MW-35I	33 North Clinton	6.19	6.12	--	--	6.19	--
OU2MW-35I2	33 North Clinton	5.31	5.06	--	--	5.61	--
OU2MW-35D	33 North Clinton	4.71	4.67	--	--	5.09	--
OU2MW-36S	33 North Clinton	5.91	5.54	--	--	6.39	--
OU2MW-36I	33 North Clinton	5.88	5.95	--	--	6.34	--
OU2MW-36I2	33 North Clinton	4.93	4.65	--	--	5.13	--
OU2MW-36D	33 North Clinton	5.64	5.77	--	--	6.01	--
OU2MW-37S	33 North Clinton	5.89	5.91	--	--	6.18	--
OU2MW-37I	33 North Clinton	6.16	6.21	--	--	6.46	--
OU2MW-37I2	33 North Clinton	5.38	5.41	--	--	5.79	--
OU2MW-37D	33 North Clinton	4.91	4.91	--	--	5.29	--
OU2MW-39S	33 North Clinton	5.70	5.75	4.87	5.58	6.13	5.96
OU2MW-39I	33 North Clinton	5.93	5.55	4.82	5.99	6.55	6.30
OU2MW-39I2	33 North Clinton	4.67	4.57	3.78	4.77	5.13	4.93
OU2MW-39D	33 North Clinton	5.15	4.90	4.29	4.99	5.26	5.03
OU2MW-42S	33 North Clinton	6.22	6.23	--	--	7.60	--
OU2MW-42I	33 North Clinton	6.45	6.57	--	--	7.77	--
OU2MW-42I2	33 North Clinton	5.52	5.40	--	--	5.28	--
OU2MW-42D	33 North Clinton	3.18	2.88	--	--	2.19	--
OU2MW-45S	34 North Clinton	5.77	5.74	--	--	6.22	--
OU2MW-45I	34 North Clinton	6.05	6.04	--	--	6.76	--
OU2MW-45I2	34 North Clinton	6.00	6.03	--	--	5.70	--
OU2MW-45D	34 North Clinton	5.83	5.71	--	--	4.89	--
OU2MW-46S	34 North Clinton	5.50	6.12	--	--	5.80	--
OU2MW-46I	34 North Clinton	6.47	6.20	--	--	6.44	--
OU2MW-46I2	34 North Clinton	6.29	6.03	--	--	5.59	--
OU2MW-47S	34 North Clinton	5.68	5.19	5.36	5.74	5.37	5.98
OU2MW-47I	34 North Clinton	6.29	5.80	6.20	6.41	6.49	6.16
OU2MW-47I2	34 North Clinton	6.06	5.85	5.74	6.13	6.21	6.11
OU2MW-47D	34 North Clinton	5.41	5.90	4.87	5.68	5.77	5.41
OU2MW-28S	9 North Clinton	6.09	5.54	--	--	6.25	--
OU2MW-28I	9 North Clinton	6.06	5.64	--	--	6.09	--
OU2MW-28I2	9 North Clinton	5.65	6.15	--	--	6.74	--
OU2MW-29I	9 North Clinton	5.93	5.63	--	--	5.36	--
OU2MW-29I2	9 North Clinton	5.65	5.68	--	--	5.42	--
OU2MW-29D	9 North Clinton	6.45	7.45	--	--	8.08	--
OU2MW-30S	9 North Clinton	5.96	6.12	5.92	5.75	5.62	5.65
OU2MW-30I	9 North Clinton	6.01	6.10	5.74	6.07	5.85	5.75
OU2MW-30I2	9 North Clinton	6.00	6.06	5.62	6.08	5.99	5.94
OU2MW-30I3	9 North Clinton	4.71	5.96	4.91	5.75	6.01	5.74
OU2MW-30D	9 North Clinton	4.66	5.61	4.48	5.51	5.66	5.60
OU2MW-30D2	9 North Clinton	4.80	5.71	4.63	5.60	5.92	5.63
OU2MW-31I	9 North Clinton	6.11	6.26	--	--	6.44	--
OU2MW-31I2	9 North Clinton	4.71	5.68	--	--	5.82	--
OU2MW-32S	9 North Clinton	4.81	5.80	--	--	6.62	--
OU2MW-32I	9 North Clinton	6.49	6.56	--	--	8.37	--
OU2MW-32I2	9 North Clinton	4.85	5.92	--	--	7.78	--
OU2MW-32D	9 North Clinton	5.49	5.62	--	--	5.65	--

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

Well ID	Oxygen Injection System	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10
OU2MW-19I	Cooper Lane	5.72	6.28	--	5.60	--	--
OU2MW-19I2	Cooper Lane	5.63	5.52	--	5.41	--	--
OU2MW-19D	Cooper Lane	5.75	5.89	--	5.32	--	--
OU2MW-20S	Cooper Lane	5.77	5.70	5.26	6.05	5.80	5.79
OU2MW-20I	Cooper Lane	5.65	6.57	5.53	6.14	5.90	5.92
OU2MW-20I2	Cooper Lane	5.84	5.65	5.51	6.14	5.93	5.89
OU2MW-20D	Cooper Lane	5.44	5.60	4.77	5.27	5.56	5.28
OU2MW-43S	Cooper Lane	6.01	6.07	--	5.55	--	--
OU2MW-43I	Cooper Lane	6.11	6.07	--	5.50	--	--
OU2MW-43I2	Cooper Lane	5.96	6.07	--	4.98	--	--
OU2MW-43D	Cooper Lane	5.18	5.02	--	4.84	--	--
OU2MW-44S	Cooper Lane	5.81	5.42	--	5.70	--	--
OU2MW-44I	Cooper Lane	5.58	5.81	--	5.65	--	--
OU2MW-44I2	Cooper Lane	6.15	5.86	--	5.98	--	--
OU2MW-44D	Cooper Lane	5.32	5.52	--	5.27	--	--
GMP-01	Manatuck Lane	6.32	--	--	6.48	--	--
GMP-02	Manatuck Lane	5.77	--	--	5.50	--	--
GMP-04	Manatuck Lane	5.86	--	--	5.82	--	--
OU2MW-06S	Manatuck Lane	6.57	5.89	6.23	6.15	5.97	5.99
OU2MW-06	Manatuck Lane	5.95	5.73	6.17	6.06	5.72	5.72
OU2MW-07S	Manatuck Lane	5.53	4.30	5.78	5.76	5.55	5.81
OU2MW-07	Manatuck Lane	6.06	5.87	6.15	6.11	5.87	6.01
OU2MW-52S	Manatuck Lane	4.36	--	--	4.75	--	--
OU2MW-52I	Manatuck Lane	--	--	--	5.83	--	--
OU2MW-52D	Manatuck Lane	5.85	--	--	5.96	--	--
OU2MW-53S	Manatuck Lane	5.32	--	--	--	5.85	--
OU2MW-53I	Manatuck Lane	6.24	--	--	--	5.89	--
OU2MW-53D	Manatuck Lane	6.21	--	--	--	6.05	--
BBMW-25S	Montauk Highway	5.86	5.81	6.16	5.80	5.88	6.22
BBMW-25I	Montauk Highway	5.97	5.50	5.77	6.27	5.86	5.82
BBMW-25D	Montauk Highway	5.25	5.08	5.32	5.53	5.51	5.40
OU2MW-01WT	Montauk Highway	6.54	6.32	6.41	6.38	6.42	6.21
OU2MW-01S	Montauk Highway	5.81	6.03	5.17	5.90	5.35	5.78
OU2MW-01I	Montauk Highway	5.85	6.06	5.82	5.67	5.78	5.85
OU2MW-01I2	Montauk Highway	5.45	5.67	4.53	5.68	5.32	5.97
OU2MW-01D	Montauk Highway	5.41	5.42	4.95	5.26	5.19	5.70
OU2MW-02S	Montauk Highway	6.19	--	--	--	--	5.64
OU2MW-02I	Montauk Highway	6.18	--	--	--	--	5.79
OU2MW-02I2	Montauk Highway	5.81	--	--	--	--	5.83
OU2MW-02D	Montauk Highway	5.30	--	--	--	--	5.17
OU2MW-03S	Montauk Highway	6.88	--	--	--	--	6.07
OU2MW-03I	Montauk Highway	6.13	--	--	--	--	5.73
OU2MW-03I2	Montauk Highway	5.60	--	--	--	--	5.49
OU2MW-03D	Montauk Highway	5.29	--	--	--	--	5.49
OU2MW-04WT	Montauk Highway	4.99	--	--	--	--	5.67
OU2MW-04S	Montauk Highway	6.16	--	--	--	--	6.36
OU2MW-04I	Montauk Highway	5.68	--	--	--	--	5.66
OU2MW-04I2	Montauk Highway	5.86	--	--	--	--	5.86
OU2MW-04D	Montauk Highway	5.82	--	--	--	--	5.70
OU2MW-08WT	Montauk Highway	5.26	--	--	6.01	--	--
OU2MW-08S	Montauk Highway	4.91	--	--	6.09	--	--
OU2MW-08I	Montauk Highway	4.58	--	--	5.50	--	--
OU2MW-08I2	Montauk Highway	5.33	--	--	6.16	--	--
OU2MW-08D	Montauk Highway	4.51	--	--	5.03	--	--

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

Well ID	Oxygen Injection System	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10
Temperature (degrees Celcius)							
OU2MW-35S	33 North Clinton	11.0	12.5	--	--	18.7	--
OU2MW-35I	33 North Clinton	12.8	13.2	--	--	18.4	--
OU2MW-35I2	33 North Clinton	13.1	13.6	--	--	15.1	--
OU2MW-35D	33 North Clinton	12.9	14.6	--	--	15.1	--
OU2MW-36S	33 North Clinton	11.7	12.8	--	--	21.3	--
OU2MW-36I	33 North Clinton	13.9	14.5	--	--	17.6	--
OU2MW-36I2	33 North Clinton	13.9	14.1	--	--	18.0	--
OU2MW-36D	33 North Clinton	14.3	14.3	--	--	18.8	--
OU2MW-37S	33 North Clinton	12.0	13.8	--	--	19.4	--
OU2MW-37I	33 North Clinton	14.0	14.9	--	--	16.4	--
OU2MW-37I2	33 North Clinton	13.4	14.4	--	--	16.6	--
OU2MW-37D	33 North Clinton	13.2	13.8	--	--	16.5	--
OU2MW-39S	33 North Clinton	10.8	12.0	16.0	16.9	18.9	16.9
OU2MW-39I	33 North Clinton	13.1	12.6	14.9	15.4	16.9	14.7
OU2MW-39I2	33 North Clinton	13.1	14.6	15.4	16.3	17.9	15.3
OU2MW-39D	33 North Clinton	12.7	14.8	14.9	15.5	18.2	15.3
OU2MW-42S	33 North Clinton	10.9	12.4	--	--	17.0	--
OU2MW-42I	33 North Clinton	13.1	13.4	--	--	15.1	--
OU2MW-42I2	33 North Clinton	13.3	13.8	--	--	14.7	--
OU2MW-42D	33 North Clinton	13.1	13.5	--	--	14.7	--
OU2MW-45S	34 North Clinton	10.7	12.2	--	--	18.6	--
OU2MW-45I	34 North Clinton	12.6	12.7	--	--	15.8	--
OU2MW-45I2	34 North Clinton	13.4	6.2	--	--	15.4	--
OU2MW-45D	34 North Clinton	13.3	6.3	--	--	16.1	--
OU2MW-46S	34 North Clinton	10.9	6.3	--	--	20.7	--
OU2MW-46I	34 North Clinton	13.5	12.9	--	--	16.9	--
OU2MW-46I2	34 North Clinton	13.7	7.7	--		16.5	--
OU2MW-47S	34 North Clinton	12.5	14.1	16.6	19.5	19.3	17.8
OU2MW-47I	34 North Clinton	13.3	13.5	15.3	20.0	16.5	15.0
OU2MW-47I2	34 North Clinton	13.9	14.6	16.0	19.4	18.1	15.9
OU2MW-47D	34 North Clinton	13.6	14.2	16.2	17.6	16.2	16.3
OU2MW-28S	9 North Clinton	12.4	15.1	--	--	21.8	--
OU2MW-28I	9 North Clinton	13.5	14.6	--	--	18.7	--
OU2MW-28I2	9 North Clinton	13.1	14.1	--	--	17.7	--
OU2MW-29I	9 North Clinton	13.1	14.2	--	--	17.9	--
OU2MW-29I2	9 North Clinton	13.8	14.6	--	--	17.8	--
OU2MW-29D	9 North Clinton	13.4	13.5	--	--	17.7	--
OU2MW-30S	9 North Clinton	12.9	14.5	18.8	20.7	20.8	20.5
OU2MW-30I	9 North Clinton	14.1	14.5	18.1	19.4	16.5	16.8
OU2MW-30I2	9 North Clinton	13.9	14.0	17.9	18.7	15.8	17.9
OU2MW-30I3	9 North Clinton	13.7	14.7	17.1	18.3	19.1	17.0
OU2MW-30D	9 North Clinton	13.2	14.7	17.3	17.8	16.5	17.1
OU2MW-30D2	9 North Clinton	13.6	14.4	17.9	17.8	18.7	17.0
OU2MW-31I	9 North Clinton	13.8	4.6	--	--	18.1	--
OU2MW-31I2	9 North Clinton	13.9	14.7	--	--	17.9	--
OU2MW-32S	9 North Clinton	13.0	15.2	--	--	21.1	--
OU2MW-32I	9 North Clinton	13.9	5.4	--	--	18.3	--
OU2MW-32I2	9 North Clinton	13.5	14.6	--	--	19.1	--
OU2MW-32D	9 North Clinton	14.2	5.7	--	--	18.9	--
OU2MW-19I	Cooper Lane	13.0	13.2	--	16.0	--	--
OU2MW-19I2	Cooper Lane	14.6	14.3	--	16.7	--	--
OU2MW-19D	Cooper Lane	14.4	14.3	--	17.3	--	--

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

Well ID	Oxygen Injection System	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10
OU2MW-20S	Cooper Lane	11.1	15.3	17.4	20.8	19.6	19.7
OU2MW-20I	Cooper Lane	11.9	13.4	15.1	17.9	16.6	17.9
OU2MW-20I2	Cooper Lane	13.1	15.8	16.4	17.6	16.5	17.5
OU2MW-20D	Cooper Lane	13.0	15.4	16.6	17.9	15.9	16.4
OU2MW-43S	Cooper Lane	11.7	12.8	--	18.8		
OU2MW-43I	Cooper Lane	13.7	13.7	--	16.9	--	--
OU2MW-43I2	Cooper Lane	13.8	14.5	--	16.5	--	--
OU2MW-43D	Cooper Lane	13.8	14.0	--	15.9	--	--
OU2MW-44S	Cooper Lane	11.9	13.2	--	16.4	--	--
OU2MW-44I	Cooper Lane	13.8	15.5	--	15.0	--	--
OU2MW-44I2	Cooper Lane	13.7	14.5	--	15.6	--	--
OU2MW-44D	Cooper Lane	13.7	14.3	--	15.2	--	--
GMP-01	Manatuck Lane	14.2	--	--	16.2	--	--
GMP-02	Manatuck Lane	13.1	--	--	16.7	--	--
GMP-04	Manatuck Lane	13.2	--	--	16.9	--	--
OU2MW-06S	Manatuck Lane	15.4	16.0	23.4	23.6	22.9	19.8
OU2MW-06	Manatuck Lane	16.3	16.2	24.2	23.0	19.2	17.8
OU2MW-07S	Manatuck Lane	11.5	13.0	18.1	22.2	21.3	20.2
OU2MW-07	Manatuck Lane	13.1	12.8	16.5	18.5	17.0	17.9
OU2MW-52S	Manatuck Lane	12.3	--	--	17.4	--	--
OU2MW-52I	Manatuck Lane	--	--	--	14.7	--	--
OU2MW-52D	Manatuck Lane	13.8	--	--	14.0	--	--
OU2MW-53S	Manatuck Lane	10.5	--	--	--	19.3	--
OU2MW-53I	Manatuck Lane	12.4	--	--	--	16.2	--
OU2MW-53D	Manatuck Lane	13.3	--	--	--	14.9	--
BBMW-25S	Montauk Highway	15.9	17.6	25.3	20.9	20.4	19.4
BBMW-25I	Montauk Highway	18.2	17.7	23.1	18.2	18.2	19.2
BBMW-25D	Montauk Highway	15.8	18.8	20.1	17.8	15.3	17.0
OU2MW-01WT	Montauk Highway	13.6	19.0	22.8	21.9	20.1	20.0
OU2MW-01S	Montauk Highway	15.0	19.3	20.7	18.5	18.7	17.7
OU2MW-01I	Montauk Highway	14.6	20.5	19.6	19.0	19.7	17.5
OU2MW-01I2	Montauk Highway	16.0	17.4	24.2	19.2	17.2	17.5
OU2MW-01D	Montauk Highway	14.6	17.5	22.9	19.3	17.4	17.2
OU2MW-02S	Montauk Highway	15.7	--	--	--	--	28.2
OU2MW-02I	Montauk Highway	18.0	--	--	--	--	23.0
OU2MW-02I2	Montauk Highway	15.8	--	--	--	--	24.6
OU2MW-02D	Montauk Highway	16.3	--	--	--	--	24.3
OU2MW-03S	Montauk Highway	12.8	--	--	--	--	16.3
OU2MW-03I	Montauk Highway	13.4	--	--	--	--	15.7
OU2MW-03I2	Montauk Highway	13.1	--	--	--	--	15.0
OU2MW-03D	Montauk Highway	12.5	--	--	--	--	15.2
OU2MW-04WT	Montauk Highway	11.1	--	--	--	--	19.8
OU2MW-04S	Montauk Highway	12.7	--	--	--	--	15.7
OU2MW-04I	Montauk Highway	13.9	--	--	--	--	15.7
OU2MW-04I2	Montauk Highway	13.4	--	--	--	--	15.1
OU2MW-04D	Montauk Highway	14.0	--	--	--	--	15.8
OU2MW-08WT	Montauk Highway	13.4	--	--	20.9	--	--
OU2MW-08S	Montauk Highway	16.0	--	--	16.5	--	--
OU2MW-08I	Montauk Highway	14.9	--	--	17.0	--	--
OU2MW-08I2	Montauk Highway	13.6	--	--	16.8	--	--
OU2MW-08D	Montauk Highway	13.4	--	--	17.1	--	--

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

Notes:

mS/cm - milli-siemens per centimeter
mg/L - milligrams/Liter
mV - milli-volt
SU - standard unit
-- Not Measured
Beginning in July 2009, all parameter values were taken from latest date sampled

Table 2-5
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	Associated System	Total Heterotropic Plate Count (cfu/ml)						
		May-08	Sep-08	Dec-08	Jan-09	Feb-09	Mar-09	Apr-09
OU2MW-35S	33 N Clinton	--	--	140	--	--	--	230
OU2MW-35I	33 N Clinton	--	--	--	220	--	--	12,000
OU2MW-35I2	33 N Clinton	--	--	--	1,100	--	--	170
OU2MW-35D	33 N Clinton	--	--	--	1,100	--	--	1,500
OU2MW-36S	33 N Clinton	--	--	62	--	--	--	33
OU2MW-36I	33 N Clinton	--	--	120	--	--	--	1,000
OU2MW-36I2	33 N Clinton	--	--	100	--	--	--	45
OU2MW-36D	33 N Clinton	--	--	4,000	--	--	--	240
OU2MW-37S	33 N Clinton	--	--	--	130	--	--	560
OU2MW-37I	33 N Clinton	--	--	--	230	--	--	1,800
OU2MW-37I2	33 N Clinton	--	--	--	1,700	--	--	170
OU2MW-37D	33 N Clinton	--	--	--	2,700	--	--	1,055
OU2MW-38S	33 N Clinton	--	--	--	120	--	--	--
OU2MW-38I	33 N Clinton	--	--	--	280	--	--	--
OU2MW-38I2	33 N Clinton	--	--	--	240	--	--	--
OU2MW-38D	33 N Clinton	--	--	--	230	--	--	--
OU2MW-39S	33 N Clinton	--	--	--	23,000	--	--	7
OU2MW-39I	33 N Clinton	--	--	--	4,200	--	--	3,600
OU2MW-39I2	33 N Clinton	--	--	--	1,200	--	--	54
OU2MW-39D	33 N Clinton	--	--	--	20,000	--	--	730
OU2MW-42S	33 N Clinton	--	--	--	--	--	1,040	300
OU2MW-42I	33 N Clinton	--	--	--	--	--	74	94,000
OU2MW-42I2	33 N Clinton	--	--	--	--	--	130	2,500
OU2MW-42D	33 N Clinton	--	--	--	--	--	13,000	620
OU2MW-45S	34 N Clinton	--	--	--	86	1,200	270	--
OU2MW-45I	34 N Clinton	--	--	--	20	700	86	--
OU2MW-45I2	34 N Clinton	--	--	--	240	620	250	--
OU2MW-45D	34 N Clinton	--	--	--	220	360	310	--
OU2MW-46S	34 N Clinton	--	--	--	18	4,800	15,000	--
OU2MW-46I	34 N Clinton	--	--	--	110	120,000	11,000	--
OU2MW-46I2	34 N Clinton	--	--	--	32	860	300	--
OU2MW-47S	34 N Clinton	--	--	--	75	8,700	64,000	--
OU2MW-47I	34 N Clinton	--	--	--	4	68,000	2,600	--
OU2MW-47I2	34 N Clinton	--	--	--	24	73,000	9,800	--
OU2MW-47D	34 N Clinton	--	--	--	640	98,000	14,000	--
OU2MW-28S	9 N Clinton	--	4,600	--	--	--	420	320
OU2MW-28I	9 N Clinton	--	29	--	--	--	4,600	4,400
OU2MW-28I2	9 N Clinton	--	860	--	--	--	2,300	1,200
OU2MW-29D	9 N Clinton	--	3,300	--	--	--	1,800	180
OU2MW-29I	9 N Clinton	--	480	--	--	--	5,000	2,100
OU2MW-29I2	9 N Clinton	--	890	--	--	--	3,600	7,100
OU2MW-30S	9 N Clinton	--	3,200	--	--	--	720	1,200
OU2MW-30I	9 N Clinton	--	10,000	--	--	--	240	13,000
OU2MW-30I2	9 N Clinton	--	540	--	--	--	960	16,000
OU2MW-30I3	9 N Clinton	--	2,100	--	--	--	18,000	3,800
OU2MW-30D	9 N Clinton	--	14,000	--	--	--	13,000	13,000
OU2MW-30D2	9 N Clinton	--	101,200	--	--	--	3,000	100,500
OU2MW-31I	9 N Clinton	--	100	--	--	--	13,000	13,000
OU2MW-31I2	9 N Clinton	--	1,300	--	--	--	1,600	520
OU2MW-32S	9 N Clinton	--	170	--	--	--	69	99

Table 2-5
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	Associated System	Total Heterotropic Plate Count (cfu/ml)						
		May-08	Sep-08	Dec-08	Jan-09	Feb-09	Mar-09	Apr-09
OU2MW-32I	9 N Clinton	--	77	--	--	--	70	160
OU2MW-32I2	9 N Clinton	--	26	--	--	--	2,300	230
OU2MW-32D	9 N Clinton	--	1,100	--	--	--	300	42
OU2MW-40S	9 N Clinton	--	820	--	--	--	--	--
OU2MW-40I	9 N Clinton	--	190	--	--	--	--	--
OU2MW-41S	9 N Clinton	--	6,000	--	--	--	--	--
OU2MW-41I	9 N Clinton	--	42	--	--	--	--	--
OU2MW-48S	66 N Clinton	--	--	--	--	--	--	--
OU2MW-48I	66 N Clinton	--	--	--	--	--	--	--
OU2MW-48I2	66 N Clinton	--	--	--	--	--	--	--
OU2MW-48D	66 N Clinton	--	--	--	--	--	--	--
OU2MW-49S	66 N Clinton	--	--	--	--	--	--	--
OU2MW-49I	66 N Clinton	--	--	--	--	--	--	--
OU2MW-49I2	66 N Clinton	--	--	--	--	--	--	--
OU2MW-49D	66 N Clinton	--	--	--	--	--	--	--
OU2MW-54S	66 N Clinton	--	--	--	--	--	--	--
OU2MW-54I	66 N Clinton	--	--	--	--	--	--	--
OU2MW-54I2	66 N Clinton	--	--	--	--	--	--	--
OU2MW-54D	66 N Clinton	--	--	--	--	--	--	--
OU2MW-19I	Cooper Lane	880	--	--	--	--	--	--
OU2MW-19I2	Cooper Lane	1,900	--	--	--	--	--	--
OU2MW-19D	Cooper Lane	--	--	--	--	--	--	--
OU2MW-20S	Cooper Lane	180	--	--	--	--	--	--
OU2MW-20I	Cooper Lane	110	--	--	--	--	--	--
OU2MW-20I2	Cooper Lane	1,400	--	--	--	--	--	--
OU2MW-20D	Cooper Lane	--	--	--	--	--	--	--
OU2MW-43S	Cooper Lane	--	--	--	--	--	--	--
OU2MW-43I	Cooper Lane	--	--	--	--	--	--	--
OU2MW-43I2	Cooper Lane	--	--	--	--	--	--	--
OU2MW-43D	Cooper Lane	--	--	--	--	--	--	--
OU2MW-44S	Cooper Lane	--	--	--	--	--	--	--
OU2MW-44I2	Cooper Lane	--	--	--	--	--	--	--
OU2MW-44I	Cooper Lane	--	--	--	--	--	--	--
OU2MW-44D	Cooper Lane	--	--	--	--	--	--	--
OU2MW-53S	Manatuck Lane	--	--	--	--	--	--	--
OU2MW-53I	Manatuck Lane	--	--	--	--	--	--	--
OU2MW-53D	Manatuck Lane	--	--	--	--	--	--	--
OU2MW-55S	NONE	--	--	--	--	--	--	--
OU2MW-55I	NONE	--	--	--	--	--	--	--
OU2MW-55I2	NONE	--	--	--	--	--	--	--
OU2MW-55D	NONE	--	--	--	--	--	--	--
OU2MW-56S	NONE	--	--	--	--	--	--	--
OU2MW-56I	NONE	--	--	--	--	--	--	--
OU2MW-56I2	NONE	--	--	--	--	--	--	--
OU2MW-56D	NONE	--	--	--	--	--	--	--

Table 2-5
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	Associated System	Total Heterotropic Plate Count (cfu/ml)						
		May-09	Jun-09	Aug-09	Sep-09	Nov-09	Dec-09	Jan-10
OU2MW-35S	33 N Clinton	100	300	--	45	--	12	--
OU2MW-35I	33 N Clinton	12,000	340	--	32	--	290	--
OU2MW-35I2	33 N Clinton	100	29	--	74	--	10	--
OU2MW-35D	33 N Clinton	1,100	250	--	87	--	460	--
OU2MW-36S	33 N Clinton	63	130	--	500	--	42	--
OU2MW-36I	33 N Clinton	710	1,500	--	320	--	170	--
OU2MW-36I2	33 N Clinton	53	57	--	1,100	--	560	--
OU2MW-36D	33 N Clinton	83	140	--	65	--	1,100	--
OU2MW-37S	33 N Clinton	130	1,100	--	2,100	--	280	--
OU2MW-37I	33 N Clinton	2,100	750	--	2,500	--	700	--
OU2MW-37I2	33 N Clinton	180	400	--	430	--	450	--
OU2MW-37D	33 N Clinton	240	200	--	50	--	4,400	--
OU2MW-38S	33 N Clinton	--	--	--	--	--	--	--
OU2MW-38I	33 N Clinton	--	--	--	--	--	--	--
OU2MW-38I2	33 N Clinton	--	--	--	--	--	--	--
OU2MW-38D	33 N Clinton	--	--	--	--	--	--	--
OU2MW-39S	33 N Clinton	41	19	--	40	--	45	--
OU2MW-39I	33 N Clinton	11,000	4,100	--	200	--	54	--
OU2MW-39I2	33 N Clinton	33	1	--	6	--	38	--
OU2MW-39D	33 N Clinton	960	250	--	54	--	150	--
OU2MW-42S	33 N Clinton	210	5,700	--	150	--	700	--
OU2MW-42I	33 N Clinton	12,000	2,200	--	3,400	--	4,600	--
OU2MW-42I2	33 N Clinton	620	140	--	200	--	1,100	--
OU2MW-42D	33 N Clinton	910	240	--	2,900	--	1,300	--
OU2MW-45S	34 N Clinton	1,000	95	--	520	--	1,000	--
OU2MW-45I	34 N Clinton	240	220	--	960	--	290	--
OU2MW-45I2	34 N Clinton	460	3,800	--	13,000	--	6,700	--
OU2MW-45D	34 N Clinton	210	4,200	--	270	--	140	--
OU2MW-46S	34 N Clinton	920	760	--	290	--	36	--
OU2MW-46I	34 N Clinton	7,600	13,000	--	2,900	--	360	--
OU2MW-46I2	34 N Clinton	3,300	14,000	--	180	--	20	--
OU2MW-47S	34 N Clinton	560	17,000	--	480	--	1,600	--
OU2MW-47I	34 N Clinton	2,500	2,800	--	420	--	12,000	--
OU2MW-47I2	34 N Clinton	6,500	950	--	960	--	4,700	--
OU2MW-47D	34 N Clinton	84,000	89,100	--	360	--	125,400	--
OU2MW-28S	9 N Clinton	280	1,400	91	--	520	--	--
OU2MW-28I	9 N Clinton	11,000	1,300	200	--	11,000	--	--
OU2MW-28I2	9 N Clinton	960	540	140	--	180	--	--
OU2MW-29D	9 N Clinton	180	180	1,100	--	300	--	--
OU2MW-29I	9 N Clinton	13,000	14,000	240	--	8,700	--	--
OU2MW-29I2	9 N Clinton	13,000	16,000	5,000	--	78,000	--	--
OU2MW-30S	9 N Clinton	10,000	2,500	6,200	--	280	--	--
OU2MW-30I	9 N Clinton	26,000	63,450	81,250	--	21,000	--	--
OU2MW-30I2	9 N Clinton	145,000	66,950	23,000	--	9,400	--	--
OU2MW-30I3	9 N Clinton	18,000	67,700	62,700	--	162,500	--	--
OU2MW-30D	9 N Clinton	16,000	107,600	15,000	--	106,900	--	--
OU2MW-30D2	9 N Clinton	105,000	135,350	18,000	--	101,200	--	--
OU2MW-31I	9 N Clinton	102,000	64,150	260	--	27,000	--	--
OU2MW-31I2	9 N Clinton	1,600	1,800	340	--	112,600	--	--
OU2MW-32S	9 N Clinton	24	4,800	160	--	24	--	--

Table 2-5
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	Associated System	Total Heterotropic Plate Count (cfu/ml)						
		May-09	Jun-09	Aug-09	Sep-09	Nov-09	Dec-09	Jan-10
OU2MW-32I	9 N Clinton	35	280	240	--	880	--	--
OU2MW-32I2	9 N Clinton	180	26	26	--	69	--	--
OU2MW-32D	9 N Clinton	58	20	10	--	13	--	--
OU2MW-40S	9 N Clinton	--	--	--	--	--	--	--
OU2MW-40I	9 N Clinton	--	--	--	--	--	--	--
OU2MW-41S	9 N Clinton	--	--	--	--	--	--	--
OU2MW-41I	9 N Clinton	--	--	--	--	--	--	--
OU2MW-48S	66 N Clinton	--	--	--	--	--	--	--
OU2MW-48I	66 N Clinton	--	--	--	--	--	--	--
OU2MW-48I2	66 N Clinton	--	--	--	--	--	--	--
OU2MW-48D	66 N Clinton	--	--	--	--	--	--	--
OU2MW-49S	66 N Clinton	--	--	--	--	--	--	--
OU2MW-49I	66 N Clinton	--	--	--	--	--	--	--
OU2MW-49I2	66 N Clinton	--	--	--	--	--	--	--
OU2MW-49D	66 N Clinton	--	--	--	--	--	--	--
OU2MW-54S	66 N Clinton	--	--	--	--	--	--	--
OU2MW-54I	66 N Clinton	--	--	--	--	--	--	--
OU2MW-54I2	66 N Clinton	--	--	--	--	--	--	--
OU2MW-54D	66 N Clinton	--	--	--	--	--	--	--
OU2MW-19I	Cooper Lane	--	--	--	--	--	--	--
OU2MW-19I2	Cooper Lane	--	--	--	--	--	--	--
OU2MW-19D	Cooper Lane	--	--	--	--	--	--	--
OU2MW-20S	Cooper Lane	--	--	--	--	--	--	--
OU2MW-20I	Cooper Lane	--	--	--	--	--	--	--
OU2MW-20I2	Cooper Lane	--	--	--	--	--	--	--
OU2MW-20D	Cooper Lane	--	--	--	--	--	--	--
OU2MW-43S	Cooper Lane	--	--	--	--	75	--	--
OU2MW-43I	Cooper Lane	--	--	--	--	430	--	--
OU2MW-43I2	Cooper Lane	--	--	--	--	760	--	--
OU2MW-43D	Cooper Lane	--	--	--	--	2,100	--	--
OU2MW-44S	Cooper Lane	--	--	--	--	640	--	--
OU2MW-44I2	Cooper Lane	--	--	--	--	2,800	--	--
OU2MW-44I	Cooper Lane	--	--	--	--	700	--	--
OU2MW-44D	Cooper Lane	--	--	--	--	15,000	--	--
OU2MW-53S	Manatuck Lane	--	--	--	--	--	--	--
OU2MW-53I	Manatuck Lane	--	--	--	--	--	--	--
OU2MW-53D	Manatuck Lane	--	--	--	--	--	--	--
OU2MW-55S	NONE	--	--	--	--	--	--	--
OU2MW-55I	NONE	--	--	--	--	--	--	--
OU2MW-55I2	NONE	--	--	--	--	--	--	--
OU2MW-55D	NONE	--	--	--	--	--	--	--
OU2MW-56S	NONE	--	--	--	--	--	--	--
OU2MW-56I	NONE	--	--	--	--	--	--	--
OU2MW-56I2	NONE	--	--	--	--	--	--	--
OU2MW-56D	NONE	--	--	--	--	--	--	--

Table 2-5
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	Associated System	Total Heterotropic Plate Count (cfu/ml)					
		Feb-10	Mar-10	Apr-10	May-10	Jun-10	Aug-10
OU2MW-35S	33 N Clinton	--	23	--	12	--	47
OU2MW-35I	33 N Clinton	--	17	--	58	--	11
OU2MW-35I2	33 N Clinton	--	27	--	13	--	6
OU2MW-35D	33 N Clinton	--	330	--	660	--	99
OU2MW-36S	33 N Clinton	--	14	--	31	--	21
OU2MW-36I	33 N Clinton	--	48	--	75	--	77
OU2MW-36I2	33 N Clinton	--	68	--	28	--	10
OU2MW-36D	33 N Clinton	--	78	--	37	--	35
OU2MW-37S	33 N Clinton	--	210	--	60	--	650
OU2MW-37I	33 N Clinton	--	33	--	300	--	89
OU2MW-37I2	33 N Clinton	--	15	--	24	--	130
OU2MW-37D	33 N Clinton	--	92	--	28	--	83
OU2MW-38S	33 N Clinton	--	--	--	--	--	--
OU2MW-38I	33 N Clinton	--	--	--	--	--	--
OU2MW-38I2	33 N Clinton	--	--	--	--	--	--
OU2MW-38D	33 N Clinton	--	--	--	--	--	--
OU2MW-39S	33 N Clinton	--	12	--	15	--	96
OU2MW-39I	33 N Clinton	--	50	--	72	--	13
OU2MW-39I2	33 N Clinton	--	380	--	110	--	11
OU2MW-39D	33 N Clinton	--	380	--	61	--	310
OU2MW-42S	33 N Clinton	--	820	--	580	--	460
OU2MW-42I	33 N Clinton	--	1100	--	660	--	95
OU2MW-42I2	33 N Clinton	--	15	--	170	--	520
OU2MW-42D	33 N Clinton	--	720	--	67	--	45
OU2MW-45S	34 N Clinton	--	340	--	160	--	5000
OU2MW-45I	34 N Clinton	--	3200	--	300	--	260
OU2MW-45I2	34 N Clinton	--	4200	--	110	--	22
OU2MW-45D	34 N Clinton	--	200	--	190	--	140
OU2MW-46S	34 N Clinton	--	40	--	22	--	50
OU2MW-46I	34 N Clinton	--	55	--	130	--	130
OU2MW-46I2	34 N Clinton	--	20	--	12	--	18
OU2MW-47S	34 N Clinton	--	130	--	200	--	320
OU2MW-47I	34 N Clinton	--	340	--	300	--	440
OU2MW-47I2	34 N Clinton	--	2000	--	1000	--	120
OU2MW-47D	34 N Clinton	--	6200	--	5700	--	520
OU2MW-28S	9 N Clinton	340	--	--	35	--	43
OU2MW-28I	9 N Clinton	2600	--	--	220	--	49
OU2MW-28I2	9 N Clinton	3600	--	--	860	--	210
OU2MW-29D	9 N Clinton	7800	--	--	180	--	120
OU2MW-29I	9 N Clinton	820	--	--	380	--	220
OU2MW-29I2	9 N Clinton	2400	--	--	10000	--	2600
OU2MW-30S	9 N Clinton	94	--	--	65	--	130
OU2MW-30I	9 N Clinton	4400	--	--	680	--	200
OU2MW-30I2	9 N Clinton	12000	--	--	9200	--	270
OU2MW-30I3	9 N Clinton	9900	--	--	2600	--	660
OU2MW-30D	9 N Clinton	29000	--	--	6200	--	240
OU2MW-30D2	9 N Clinton	7000	--	--	1800	--	4200
OU2MW-31I	9 N Clinton	880	--	--	350	--	220
OU2MW-31I2	9 N Clinton	240	--	--	2100	--	680
OU2MW-32S	9 N Clinton	23	--	--	37	--	100

Table 2-5
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	Associated System	Total Heterotropic Plate Count (cfu/ml)					
		Feb-10	Mar-10	Apr-10	May-10	Jun-10	Aug-10
OU2MW-32I	9 N Clinton	180	--	--	95	--	340
OU2MW-32I2	9 N Clinton	760	--	--	76	--	80
OU2MW-32D	9 N Clinton	7	--	--	12	--	17
OU2MW-40S	9 N Clinton	--	--	--	--	--	--
OU2MW-40I	9 N Clinton	--	--	--	--	--	--
OU2MW-41S	9 N Clinton	--	--	--	--	--	--
OU2MW-41I	9 N Clinton	--	--	--	--	--	--
OU2MW-48S	66 N Clinton	1000	--	--	270	--	30
OU2MW-48I	66 N Clinton	100	--	--	82	--	22
OU2MW-48I2	66 N Clinton	80	--	--	55	--	15
OU2MW-48D	66 N Clinton	760	--	--	74	--	65
OU2MW-49S	66 N Clinton	45	--	--	30	--	10
OU2MW-49I	66 N Clinton	360	--	--	42	--	15
OU2MW-49I2	66 N Clinton	660	--	--	99	--	44
OU2MW-49D	66 N Clinton	460	--	--	130	--	72
OU2MW-54S	66 N Clinton	47	36	130	--	--	130
OU2MW-54I	66 N Clinton	290	80	94	--	--	580
OU2MW-54I2	66 N Clinton	1900	1500	580	--	--	66
OU2MW-54D	66 N Clinton	11000	110	99	--	--	820
OU2MW-19I	Cooper Lane	--	7400	--	820	--	--
OU2MW-19I2	Cooper Lane	--	13000	--	4600	--	--
OU2MW-19D	Cooper Lane	--	12000	--	640	--	--
OU2MW-20S	Cooper Lane	--	100	--	58	--	30
OU2MW-20I	Cooper Lane	--	24000	--	1900	--	2800
OU2MW-20I2	Cooper Lane	--	85	--	53	--	15
OU2MW-20D	Cooper Lane	--	220	--	57	--	13
OU2MW-43S	Cooper Lane	--	99000	--	380	--	--
OU2MW-43I	Cooper Lane	--	20000	--	1500	--	--
OU2MW-43I2	Cooper Lane	--	4200	--	6900	--	--
OU2MW-43D	Cooper Lane	--	3400	--	1700	--	--
OU2MW-44S	Cooper Lane	--	180	--	460	--	--
OU2MW-44I2	Cooper Lane	--	71	--	58	--	--
OU2MW-44I	Cooper Lane	--	34	--	90	--	--
OU2MW-44D	Cooper Lane	--	210	--	200	--	--
OU2MW-53S	Manatuck Lane	--	--	--	--	--	97
OU2MW-53I	Manatuck Lane	--	--	--	--	--	39
OU2MW-53D	Manatuck Lane	--	--	--	--	--	42
OU2MW-55S	NONE	--	--	--	--	2400	400
OU2MW-55I	NONE	--	--	--	--	4200	260
OU2MW-55I2	NONE	--	--	--	--	1100	40
OU2MW-55D	NONE	--	--	--	--	2400	1200
OU2MW-56S	NONE	--	--	--	--	22000	130
OU2MW-56I	NONE	--	--	--	--	2300	280
OU2MW-56I2	NONE	--	--	--	--	3200	41
OU2MW-56D	NONE	--	--	--	--	9400	130

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

Table 2-6
Summary of Groundwater Parameter Data
OU-3 Oxygen Injection Systems
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 3 (OU-3)

Well ID	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
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
MW-11W	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.272	--
MW-30WR	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-32WR	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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
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
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
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
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
MWBS-02S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.266	--
MWBS-02I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.199	--
MWBS-02D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-01S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-06S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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
MW-11W	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0	--
MW-30WR	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-32WR	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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
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
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
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
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
MWBS-02S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0	--
MWBS-02I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0	--
MWBS-02D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-01S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-06S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 2-6
Summary of Groundwater Parameter Data
OU-3 Oxygen Injection Systems
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 3 (OU-3)

Well ID	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
Oxidation Reduction Potential (mV)																		
IO-10	11	-125	3	-73.5	1	117	-159	-104	-23	-4	3	11	-12	-16	27	21	--	-97
MW-11W	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-51	--
MW-30WR	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-32WR	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-34S	-150	-171	-24	-118.5	-67	35	85	-75	-71	-61	-115	-106	-42	-95	-140	-112	--	-165
MW-34I	-147	-178	-142	-156	-100	-303	-222	-139	-164	-109	-137	-136	-117	-132	-150	-129	--	-150
MW-34D	55	85	58	28.5	25	-16	45	118	85	22	62	77	114	132	-95	-20	--	16
MW-46WR	--	--	--	--	-23	-10	-172	-83	-50	-35	-79	--	-80	-71	-105	-69	--	-181
MW-70/70S	94	8	2	-8	62	169	-37	-50	46	42	10	19	34	43	12	6	--	-154
MWBS-02S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-53	--
MWBS-02I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2	--
MWBS-02D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-01S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-06S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH (SU)																		
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
MW-11W	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6.27	--
MW-30WR	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-32WR	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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
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
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
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
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
MWBS-02S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.72	--
MWBS-02I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6.11	--
MWBS-02D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-01S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-06S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 2-6
Summary of Groundwater Parameter Data
OU-3 Oxygen Injection Systems
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 3 (OU-3)

Well ID	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
Temperature (degrees Celcius)																		
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
MW-11W	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	13.1	--
MW-30WR	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-32WR	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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
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
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
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
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
MWBS-02S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	11.5	--
MWBS-02I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	10.6	--
MWBS-02D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-01S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-06S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 2-6
Summary of Groundwater Parameter Data
OU-3 Oxygen Injection Systems
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 3 (OU-3)

Well ID	Jul-04	Aug-04	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
Conductivity (mS/cm)																			
IO-10	0.413	0.271	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
MW-11W	--	0.292	--	0.313	--	--	0.402	--	--	0.400	--	0.257	--	--	--	0.679	--	--	0.406
MW-30WR	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.476	--
MW-32WR	--	0.890	--	0.536	--	1.360	--	--	--	1.160	--	1.010	--	--	1.330	--	--	1.190	--
MW-34S	0.446	0.428	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
MW-34I	0.300	0.323	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
MW-34D	0.213	0.212	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
MW-46WR	0.709	0.629	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
MW-70/70S	0.644	0.630	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
MWBS-02S	--	0.193	--	0.383	--	--	0.536	--	--	0.309	--	0.500	--	--	--	0.376	--	--	0.470
MWBS-02I	--	0.240	--	0.247	--	--	0.198	--	--	0.269	--	18.000	--	--	0.471	--	--	--	0.243
MWBS-02D	--	--	--	--	--	--	0.612	--	--	--	--	--	--	--	--	--	--	--	0.705
OU3MW-01S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-06S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Oxygen (mg/L)																			
IO-10	0.0	2.0	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
MW-11W	--	0.0	--	0.0	--	--	1.9	--	--	0.0	--	0.0	--	--	--	0.3	--	--	0.0
MW-30WR	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0	--
MW-32WR	--	0.0	--	0.0	--	0.3	--	--	--	0.0	--	0.0	--	--	0.0	--	--	0.0	--
MW-34S	0.0	0.0	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
MW-34I	0.0	0.0	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
MW-34D	0.0	0.0	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
MW-46WR	0.0	0.5	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
MW-70/70S	0.0	0.0	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
MWBS-02S	--	0.0	--	0.0	--	--	0.3	--	--	0.0	--	2.4	--	--	--	0.0	--	--	0.0
MWBS-02I	--	0.0	--	0.0	--	--	0.6	--	--	0.0	--	2.4	--	--	0.3	--	--	--	0.0
MWBS-02D	--	--	--	--	--	--	0.3	--	--	--	--	--	--	--	--	--	--	--	0.0
OU3MW-01S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-06S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 2-6
Summary of Groundwater Parameter Data
OU-3 Oxygen Injection Systems
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 3 (OU-3)

Well ID	Jul-04	Aug-04	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
Oxidation Reduction Potential (mV)																			
IO-10	-101	-7	-72	--	-110	-96	-118	-117	-84	-92.5	11	-123	24	42	-53	16.3	44	5	51
MW-11W	--	-67	--	-29	--	--	0	--	--	-95	--	-106	--	--	--	-64	--	--	-6
MW-30WR	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-22	--
MW-32WR	--	-136	--	-50	--	-60	--	--	--	-110	--	-125	--	--	-94	--	--	-123	--
MW-34S	-109	-124	-123	--	-61	3	-33	-54	-183	-44	-141	-135	-88	-180	-39	-57	-127	-107	-150
MW-34I	-130	-144	-117	--	-87	-93	-106	-113	-141	-106	-156	-167	-137	-188	-130	-101	-109	-92	-109
MW-34D	5	63	107	--	125	130	82	90	115	178	24	-15	191	-121	137	140	159	180	175
MW-46WR	-119	-110	-110	--	-83	-67	-82.5	-103	-203	-94	-189	-148	-119	-291	-157	-108	-143	-100	-74
MW-70/70S	-117	-118	-148	--	68	105	73.5	40	-66	-62	-130	-132	-119	-279	-16	-45	-88	-90	14
MWBS-02S	--	-37	--	-17	--	--	-42	--	--	-73	--	-55	--	--	--	-60	--	--	-33
MWBS-02I	--	25	--	22	--	--	7	--	--	-6	--	-22	--	--	-33	--	--	--	31
MWBS-02D	--	--	--	--	--	--	32	--	--	--	--	--	--	--	--	--	--	--	-27
OU3MW-01S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-06S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH (SU)																			
IO-10	6.02	6.17	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
MW-11W	--	5.97	--	6.30	--	--	5.82	--	--	6.00	--	6.03	--	--	--	5.92	--	--	6.06
MW-30WR	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6.10	--
MW-32WR	--	6.15	--	6.23	--	6.33	--	--	--	6.27	--	6.33	--	--	6.15	--	--	6.31	--
MW-34S	5.77	5.97	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
MW-34I	6.27	6.46	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
MW-34D	5.78	6.03	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
MW-46WR	5.87	6.20	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
MW-70/70S	5.82	6.11	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
MWBS-02S	--	5.26	--	6.15	--	--	5.56	--	--	6.03	--	5.88	--	--	--	5.94	--	--	6.12
MWBS-02I	--	5.52	--	6.17	--	--	5.70	--	--	5.84	--	5.71	--	--	5.78	--	--	--	5.85
MWBS-02D	--	--	--	--	--	--	5.70	--	--	--	--	--	--	--	--	--	--	--	6.02
OU3MW-01S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-06S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 2-6
Summary of Groundwater Parameter Data
OU-3 Oxygen Injection Systems
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 3 (OU-3)

Well ID	Jul-04	Aug-04	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
Temperature (degrees Celcius)																			
IO-10	19.0	17.7	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
MW-11W	--	20.1	--	15.0	--	--	6.9	--	--	18.1	--	22.5	--	--	--	13.2	--	--	8.2
MW-30WR	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	8.6	--
MW-32WR	--	20.2	--	16.4	--	8.1	--	--	--	15.0	--	21.2	--	--	14.8	--	--	8.9	--
MW-34S	20.6	20.0	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
MW-34I	16.5	16.9	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
MW-34D	16.0	15.8	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
MW-46WR	24.0	22.8	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
MW-70/70S	20.3	20.9	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
MWBS-02S	--	15.3	--	14.4	--	--	9.3	--	--	10.4	--	15.2	--	--	--	14.0	--	--	10.6
MWBS-02I	--	15.7	--	14.6	--	--	8.4	--	--	10.8	--	16.2	--	--	14.7	--	--	--	10.1
MWBS-02D	--	--	--	--	--	--	11.4	--	--	--	--	--	--	--	--	--	--	--	12.4
OU3MW-01S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-06S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 2-6
Summary of Groundwater Parameter Data
OU-3 Oxygen Injection Systems
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 3 (OU-3)

Well ID	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	Aug-07	Sep-07	Oct-07
Conductivity (mS/cm)																		
IO-10	0.390	0.328	0.477	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
MW-11W	--	0.156	--	0.104	--	--	0.511	--	--	--	--	--	--	--	--	--	0.331	--
MW-30WR	--	0.457	--	0.439	--	--	0.342	--	0.228	--	--	--	0.125	--	--	0.230	--	--
MW-32WR	0.802	--	--	0.791	--	--	1.030	--	0.985	--	--	--	0.960	--	--	0.757	--	--
MW-34S	0.469	0.454	0.651	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
MW-34I	--	0.249	0.448	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
MW-34D	--	0.171	0.265	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
MW-46WR	0.950	1.180	0.638	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
MW-70/70S	0.387	0.327	0.504	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
MWBS-02S	0.258	--	--	0.225	--	--	0.642	--	--	--	--	--	0.490	--	--	--	--	--
MWBS-02I	0.137	--	--	0.244	--	--	0.435	--	--	0.626	--	--	0.127	--	--	--	0.450	--
MWBS-02D	--	--	--	--	--	--	--	--	--	--	--	--	--	0.321	--	--	0.340	--
OU3MW-01S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-06S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Oxygen (mg/L)																		
IO-10	20.0	33.0	32.0	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
MW-11W	--	0.2	--	0.0	--	--	0.4	--	--	--	--	--	--	--	--	--	0.0	--
MW-30WR	--	0.0	--	0.0	--	--	0.0	--	0.0	--	--	--	0.0	--	--	0.0	--	--
MW-32WR	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	0.0	0.0	0.0	2.0
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
MW-34D	--	0.0	0.0	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
MW-46WR	1.8	0.0	1.2	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
MW-70/70S	20.0	35.0	25.0	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
MWBS-02S	0.0	--	--	0.0	--	--	0.0	--	--	--	--	--	0.0	--	--	--	--	--
MWBS-02I	0.0	--	--	0.0	--	--	0.0	--	--	0.0	--	--	0.0	--	--	--	0.0	--
MWBS-02D	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0	--	--	0.0	--
OU3MW-01S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-06S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 2-6
Summary of Groundwater Parameter Data
OU-3 Oxygen Injection Systems
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 3 (OU-3)

Well ID	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	Aug-07	Sep-07	Oct-07
Oxidation Reduction Potential (mV)																		
IO-10	42	42	129	30	40	-12	74	64	73	95	-88	-5	22	-35	89	75	80	169
MW-11W	--	-44	--	9	--	--	-29	--	--	--	--	--	--	--	--	--	-126	--
MW-30WR	--	-95	--	-143	--	--	-89	--	-169	--	--	--	-313	--	--	-145	--	--
MW-32WR	-141	--	--	-148	--	--	-117	--	-132	--	--	--	-190	--	--	-125	--	--
MW-34S	-162	-177	-125	-121	-144	-77	-173	-207	-97	-165	-219	-361	-289	-297	-247	-234	-198	-101
MW-34I	--	-177	-81	-120	-121	-37	-93	-126	-79	-336	-267	-334	-130	-130	-50	-126	-108	-65
MW-34D	--	202	135	162	171	210	173	94	-42	-301	-278	-172	38	47	82	94	70	93
MW-46WR	-219	-136	-93	-130	-115	-84	-82	-76	6	-23	-136	-102	-94	-207	-136	-98	-79	43
MW-70/70S	-12	42	89	-7	-19	13	15	69	55	40	-110	-14	14	-34	18	29	-42	-18
MWBS-02S	-96	--	--	-115	--	--	-101	--	--	--	--	--	-158	--	--	--	--	--
MWBS-02I	6	--	--	-21	--	--	-52	--	--	-142	--	--	-167	--	--	--	4	--
MWBS-02D	--	--	--	--	--	--	--	--	--	--	--	--	--	-62	--	--	-99	--
OU3MW-01S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-06S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH (SU)																		
IO-10	6.13	5.69	7.26	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
MW-11W	--	5.81	--	6.08	--	--	6.41	--	--	--	--	--	--	--	--	--	5.87	--
MW-30WR	--	5.70	--	5.91	--	--	6.59	--	6.03	--	--	--	6.15	--	--	6.01	--	--
MW-32WR	6.31	--	--	6.34	--	--	6.76	--	6.12	--	--	--	6.45	--	--	6.35	--	--
MW-34S	6.07	5.94	6.37	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
MW-34I	--	6.15	6.53	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
MW-34D	--	5.48	5.84	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
MW-46WR	6.11	5.79	7.53	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
MW-70/70S	6.18	5.68	7.40	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
MWBS-02S	6.05	--	--	6.25	--	--	6.51	--	--	--	--	--	6.17	--	--	--	--	--
MWBS-02I	5.89	--	--	5.77	--	--	6.28	--	--	5.88	--	--	5.48	--	--	--	5.61	--
MWBS-02D	--	--	--	--	--	--	--	--	--	--	--	--	--	6.12	--	--	6.31	--
OU3MW-01S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-06S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 2-6
Summary of Groundwater Parameter Data
OU-3 Oxygen Injection Systems
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 3 (OU-3)

Well ID	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	Aug-07	Sep-07	Oct-07
Temperature (degrees Celcius)																		
IO-10	13.3	16.5	18.4	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
MW-11W	--	19.8	--	20.8	--	--	15.4	--	--	--	--	--	--	--	--	--	19.7	--
MW-30WR	--	18.7	--	20.2	--	--	14.6	--	8.7	--	--	--	12.9	--	--	18.5	--	--
MW-32WR	15.1	--	--	21.2	--	--	16.1	--	8.8	--	--	--	13.2	--	--	19.7	--	--
MW-34S	13.5	18.1	21.1	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
MW-34I	--	15.1	16.9	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
MW-34D	--	15.0	16.0	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
MW-46WR	18.4	22.0	24.2	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
MW-70/70S	14.1	17.6	20.4	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
MWBS-02S	12.7	--	--	15.3	--	--	15.9	--	--	--	--	--	10.0	--	--	--	--	--
MWBS-02I	11.7	--	--	16.3	--	--	16.2	--	--	12.6	--	--	10.5	--	--	--	16.9	--
MWBS-02D	--	--	--	--	--	--	--	--	--	--	--	--	--	13.6	--	--	15.2	--
OU3MW-01S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-06S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 2-6
Summary of Groundwater Parameter Data
OU-3 Oxygen Injection Systems
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 3 (OU-3)

Well ID	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	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
Conductivity (mS/cm)																		
IO-10	0.514	0.389	0.515	0.473	0.434	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
MW-11W	--	--	--	0.379	--	--	0.279	--	--	--	0.193	--	--	--	--	--	0.272	--
MW-30WR	--	--	11.700	--	--	--	0.173	--	--	0.366	--	--	0.250	--	--	0.376	--	--
MW-32WR	--	--	9.200	--	--	--	0.708	--	--	0.920	--	--	0.592	--	--	--	1.920	--
MW-34S	0.495	0.409	0.588	0.387	0.398	0.387	0.484	0.374	0.754	0.301	--	0.549	0.441	0.397	3.720	2.060	1.100	1.360
MW-34I	0.445	0.344	0.360	0.393	0.422	0.391	0.332	0.265	0.440	0.249	--	0.360	0.417	0.458	0.346	0.340	0.326	0.401
MW-34D	0.337	0.259	0.276	0.284	0.292	0.293	0.305	0.277	0.509	0.219	--	0.283	0.281	0.271	0.290	0.305	0.331	0.405
MW-46WR	0.574	0.484	0.420	0.351	0.324	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
MW-70/70S	0.439	0.371	0.392	0.369	0.354	0.366	0.373	0.337	--	0.583	0.239	0.448	0.456	0.393	0.417	0.461	0.519	0.502
MWBS-02S	--	--	0.503	--	--	--	0.421	--	--	--	0.378	--	0.500	--	--	1.600	--	--
MWBS-02I	--	--	--	0.287	--	--	0.233	--	--	0.244	--	--	0.471	--	--	0.521	--	--
MWBS-02D	--	--	--	0.451	--	--	0.616	--	--	--	--	--	0.461	--	--	0.586	--	--
OU3MW-01S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-06S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Oxygen (mg/L)																		
IO-10	25.0	31.0	36.0	33.0	32.0	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
MW-11W	--	--	--	0.0	--	--	1.0	--	--	--	1.4	--	--	--	--	--	0.2	--
MW-30WR	--	--	2.1	--	--	--	1.3	--	--	5.0	--	--	0.0	--	--	0.0	--	--
MW-32WR	--	--	2.1	--	--	--	1.7	--	--	4.8	--	--	0.0	--	--	--	0.0	--
MW-34S	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	--	0.0	0.0	0.0	1.6	0.0	0.0	0.4
MW-34I	0.0	0.0	0.0	0.0	0.0	0.6	1.0	0.0	0.0	0.0	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-34D	0.0	0.6	0.4	0.4	0.0	0.8	1.0	0.0	0.0	0.0	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-46WR	21.0	18.0	24.0	24.0	24.0	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
MW-70/70S	33.0	34.0	31.0	29.0	34.0	35.0	24.0	34.0	--	31.0	23.0	22.0	28.0	29.0	32.0	35.0	32.0	36.0
MWBS-02S	--	--	0.0	--	--	--	1.5	--	--	--	0.0	--	0.0	--	--	0.0	--	--
MWBS-02I	--	--	--	1.5	--	--	1.6	--	--	0.0	--	--	0.3	--	--	0.0	--	--
MWBS-02D	--	--	--	1.6	--	--	1.6	--	--	--	--	--	0.0	--	--	0.0	--	--
OU3MW-01S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-06S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 2-6
Summary of Groundwater Parameter Data
OU-3 Oxygen Injection Systems
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 3 (OU-3)

Well ID	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	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
Oxidation Reduction Potential (mV)																		
IO-10	434	95	32	18	126	213	125	140	163	170	126	136	130	96	43	104	73	159
MW-11W	--	--	--	-16	--	--	-48	--	--	--	-39	--	--	--	--	--	12	--
MW-30WR	--	--	-76	--	--	--	-72	--	--	-136	--	--	-124	--	--	-6	--	--
MW-32WR	--	--	-141	--	--	--	-131	--	--	-152	--	--	-152	--	--	--	-67	--
MW-34S	-10	-177	-85	-71	-86	-91	-157	-198	-134	-123	--	-55	-124	-122	-108	-72	-84	-105
MW-34I	-15	-171	-71	-41	-31	-3	-66	-142	-74	-38	--	-37	-39	-61	-49	60	50	26
MW-34D	218	131	-4	1	220	233	209	-25	109	197	--	141	193	167	-23	113	70	140
MW-46WR	71	-71	5	5	17	27	-6	-55	-25	-20	-23	-39	-38	-18	11	59	58	38
MW-70/70S	385	-32	2	-10	28	11	-32	-20	--	-69	-33	-47	-42	-42	-6	51	-28	-39
MWBS-02S	--	--	-82	--	--	--	-101	--	--	--	-90	--	-96	--	--	-75	--	--
MWBS-02I	--	--	--	-77	--	--	-60	--	--	-21	--	--	-33	--	--	-40	--	--
MWBS-02D	--	--	--	-116	--	--	-98	--	--	--	--	--	-99	--	--	-104	--	--
OU3MW-01S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-06S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH (SU)																		
IO-10	5.59	6.30	6.69	6.37	6.32	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
MW-11W	--	--	--	5.92	--	--	5.75	--	--	--	5.59	--	--	--	--	--	5.74	--
MW-30WR	--	--	7.52	--	--	--	7.17	--	--	5.76	--	--	6.86	--	--	5.90	--	--
MW-32WR	--	--	8.05	--	--	--	7.96	--	--	6.32	--	--	7.22	--	--	--	5.99	--
MW-34S	5.45	8.15	5.96	5.91	5.85	6.60	8.15	5.96	5.85	5.85	--	7.49	6.85	8.76	6.09	6.16	5.86	6.33
MW-34I	5.41	8.19	5.99	6.10	6.11	6.60	7.67	6.16	6.14	5.97	--	7.79	6.84	8.02	5.97	5.84	5.61	5.92
MW-34D	5.21	5.98	6.02	5.83	5.76	6.23	5.82	5.90	5.79	5.79	--	5.82	6.06	5.47	5.90	5.78	5.62	5.95
MW-46WR	5.27	7.26	5.29	5.79	5.68	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
MW-70/70S	5.43	7.18	6.10	6.03	5.97	6.59	7.03	6.28	--	6.24	6.11	6.81	6.53	7.34	5.90	5.82	5.74	--
MWBS-02S	--	--	5.63	--	--	--	7.46	--	--	--	5.91	--	6.57	--	--	5.68	--	--
MWBS-02I	--	--	--	5.79	--	--	7.27	--	--	5.77	--	--	6.29	--	--	5.78	--	--
MWBS-02D	--	--	--	5.97	--	--	7.53	--	--	--	--	--	6.61	--	--	6.39	--	--
OU3MW-01S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-06S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 2-6
Summary of Groundwater Parameter Data
OU-3 Oxygen Injection Systems
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 3 (OU-3)

Well ID	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	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
Temperature (degrees Celcius)																		
IO-10	17.1	13.7	11.1	10.7	10.8	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
MW-11W	--	--	--	8.2	--	--	13.4	--	--	--	22.0	--	--	--	--	--	8.3	--
MW-30WR	--	--	8.4	--	--	--	13.3	--	--	20.7	--	--	16.2	--	--	7.9	--	--
MW-32WR	--	--	8.8	--	--	--	14.2	--	--	21.0	--	--	16.5	--	--	--	9.2	--
MW-34S	14.6	10.9	8.7	6.8	7.9	11.6	14.0	17.9	20.7	21.3	--	21.2	17.0	10.0	7.0	7.6	8.3	10.2
MW-34I	16.2	14.1	12.0	10.9	12.1	12.1	12.8	15.3	17.2	17.0	--	18.1	17.8	13.8	12.7	12.0	12.0	11.2
MW-34D	15.6	13.8	12.6	12.7	13.4	12.9	13.6	15.1	16.0	16.6	--	16.7	16.5	13.9	13.8	13.3	13.1	12.6
MW-46WR	15.2	10.5	8.4	8.1	10.1	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
MW-70/70S	16.0	11.7	8.5	8.0	8.1	11.1	14.1	16.8	--	20.9	20.8	18.9	16.7	11.5	6.7	8.8	10.1	9.9
MWBS-02S	--	--	10.7	--	--	--	10.9	--	--	--	16.9	--	16.1	--	--	10.5	--	--
MWBS-02I	--	--	--	11.0	--	--	10.7	--	--	16.3	--	--	15.6	--	--	9.7	--	--
MWBS-02D	--	--	--	13.3	--	--	11.8	--	--	--	--	--	14.1	--	--	13.8	--	--
OU3MW-01S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-06S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 2-6
Summary of Groundwater Parameter Data
OU-3 Oxygen Injection Systems
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 3 (OU-3)

Well ID	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10
Conductivity (mS/cm)																	
IO-10	0.346	0.312	--	0.326	0.288	--	0.406	0.298	0.278	0.302	0.419	0.495	0.316	0.239	0.310	0.341	0.198
MW-11W	--	0.295	--	--	--	--	--	0.409	--	--	0.388	--	--	0.297	--	--	0.376
MW-30WR	1.650	--	--	1.270	--	--	--	0.842	--	1.160	--	--	0.988	--	--	0.639	--
MW-32WR	1.000	--	--	0.999	--	--	0.566	--	0.723	--	--	--	1.440	--	--	--	0.765
MW-34S	0.802	0.892	0.698	0.810	0.696	0.738	0.671	0.753	1.000	1.130	0.805	0.680	0.826	0.398	0.542	0.668	0.680
MW-34I	0.835	0.644	0.327	0.296	0.325	0.276	0.383	0.289	0.296	0.293	0.484	0.319	0.363	0.266	0.239	0.216	0.354
MW-34D	0.466	0.520	0.411	0.398	0.419	0.404	0.528	0.354	0.335	0.342	0.374	0.289	0.305	0.248	0.285	0.294	0.336
MW-46WR	2.770	0.797	0.422	0.383	0.550	--	0.647	0.365	0.383	0.413	0.467	0.624	0.382	0.519	0.340	0.333	0.296
MW-70/70S	0.634	0.704	--	1.020	0.435	--	0.836	0.718	0.573	0.552	0.721	1.380	0.573	0.456	0.398	0.291	0.260
MWBS-02S	--	0.417	--	--	0.356	--	0.436	--	--	0.592	--	--	0.325	--	--	0.298	--
MWBS-02I	--	0.400	--	--	0.337	--	0.333	--	--	--	0.296	--	0.218	--	--	0.304	--
MWBS-02D	--	0.399	--	--	0.320	--	0.218	--	--	--	0.417	--	0.352	--	--	0.333	--
OU3MW-01S	--	--	--	--	0.607	--	0.543	--	--	3.380	--	--	1.250	--	0.527	--	--
OU3MW-02S	--	--	--	--	0.446	--	0.282	--	--	1.210	--	--	0.536	--	0.274	--	--
OU3MW-02I	--	--	--	--	0.252	--	0.187	--	--	0.221	--	--	0.191	--	0.141	--	--
OU3MW-03S	--	--	--	--	0.598	--	--	0.693	--	--	0.845	0.820	--	--	0.520	--	--
OU3MW-03I	--	--	--	--	0.484	--	--	0.300	--	--	0.493	0.310	--	--	0.420	--	--
OU3MW-04S	--	--	--	--	0.653	--	0.781	--	--	0.619	--	0.403	--	--	0.395	--	--
OU3MW-04I	--	--	--	--	0.516	--	0.397	--	--	0.253	--	0.256	--	--	0.448	--	--
OU3MW-04D	--	--	--	--	0.307	--	0.402	--	--	0.345	--	0.750	--	--	0.300	--	--
OU3MW-05S	--	--	--	--	--	0.793	--	--	--	--	0.473	--	--	0.425	--	--	0.548
OU3MW-05I	--	--	--	--	--	0.383	--	--	--	--	0.457	--	--	0.342	--	--	0.363
OU3MW-06S	--	--	--	--	0.464	--	--	0.479	--	--	0.523	--	0.331	--	--	0.415	--
OU3MW-07S	--	--	--	--	--	--	--	--	--	--	0.235	0.284	0.516	0.591	0.412	0.432	0.390
OU3MW-07I	--	--	--	--	--	--	--	--	--	--	0.355	0.335	0.357	0.359	0.270	0.241	0.200
OU3MW-07I2	--	--	--	--	--	--	--	--	--	--	0.275	0.278	0.346	0.353	0.261	0.316	0.258
Dissolved Oxygen (mg/L)																	
IO-10	32.0	33.0	--	27.0	29.0	--	35.0	24.0	22.0	12.0	29.0	11.0	6.0	26.0	5.0	0.8	9.0
MW-11W	--	0.2	--	--	--	--	--	0.6	--	--	2.1	--	--	0.0	--	--	0.0
MW-30WR	0.0	--	--	0.0	--	--	--	0.0	--	0.0	--	--	0.5	--	--	0.0	--
MW-32WR	0.0	--	--	0.0	--	--	0.0	--	0.0	--	--	--	4.9	--	--	--	0.0
MW-34S	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0
MW-34I	6.0	18.0	3.0	0.0	3.0	0.0	0.0	5.0	11.0	6.0	12.7	1.9	0.0	0.4	0.0	0.0	6.0
MW-34D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	1.0	0.0	0.0	0.0	1.0
MW-46WR	20.0	13.0	17.0	12.0	20.0	--	17.0	16.0	23.0	12.0	21.0	5.0	1.0	6.0	0.0	0.0	1.5
MW-70/70S	39.0	29.0	--	13.8	28.0	--	23.0	25.0	25.0	21.0	23.0	6.0	6.0	6.0	7.8	1.2	0.0
MWBS-02S	--	0.0	--	--	0.0	--	0.0	--	--	0.0	--	--	2.2	--	--	0.0	--
MWBS-02I	--	0.0	--	--	0.0	--	0.0	--	--	--	0.0	--	0.0	--	--	1.1	--
MWBS-02D	--	0.0	--	--	0.0	--	0.0	--	--	--	0.0	--	0.0	--	--	0.0	--
OU3MW-01S	--	--	--	--	0.0	--	0.1	--	--	0.0	--	--	0.0	--	0.0	--	--
OU3MW-02S	--	--	--	--	20.0	--	26.0	--	--	20.0	--	--	29.0	--	28.0	--	--
OU3MW-02I	--	--	--	--	0.0	--	0.0	--	--	0.0	--	--	26.0	--	19.0	--	--
OU3MW-03S	--	--	--	--	0.9	--	--	0.0	--	--	0.0	0.6	--	--	3.7	--	--
OU3MW-03I	--	--	--	--	0.0	--	--	0.0	--	--	0.0	3.8	--	--	2.0	--	--
OU3MW-04S	--	--	--	--	0.0	--	0.0	--	--	0.0	--	0.0	--	--	1.5	--	--
OU3MW-04I	--	--	--	--	4.1	--	0.0	--	--	8.0	--	0.0	--	--	1.3	--	--
OU3MW-04D	--	--	--	--	0.0	--	0.0	--	--	0.0	--	0.0	--	--	1.9	--	--
OU3MW-05S	--	--	--	--	--	25.0	--	--	--	--	6.5	--	--	12.7	--	--	4.9
OU3MW-05I	--	--	--	--	--	0.7	--	--	--	--	19.0	--	--	0.0	--	--	21.0
OU3MW-06S	--	--	--	--	0.0	--	--	0.0	--	--	0.0	--	0.0	--	--	0.0	--
OU3MW-07S	--	--	--	--	--	--	--	--	--	--	3.0	3.4	0.0	0.0	0.0	0.0	0.0
OU3MW-07I	--	--	--	--	--	--	--	--	--	--	3.2	3.8	27.0	27.0	28.0	28.0	28.0
OU3MW-07I2	--	--	--	--	--	--	--	--	--	--	3.3	3.7	3.0	5.0	8.0	6.0	7.0

Table 2-6
Summary of Groundwater Parameter Data
OU-3 Oxygen Injection Systems
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 3 (OU-3)

Well ID	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10
Oxidation Reduction Potential (mV)																	
IO-10	90	107	--	85	157	--	227	218	206	145	150	57	92	68	225	164	220
MW-11W	--	-31	--	--	--	--	--	-44	--	--	40	--	--	-52	--	--	-52
MW-30WR	-41	--	--	-163	--	--	--	-111	--	-121	--	--	-107	--	--	-101	--
MW-32WR	-97	--	--	-163	--	--	-183	--	-126	--	--	--	-104	--	--	--	-95
MW-34S	-150	-105	-102	-238	-75	-138	-112	-96	-118	-39	5	-88	-96	-172	-147	-122	3
MW-34I	167	175	225	-213	183	-81	209	208	170	220	186	81	121	-24	200	177	217
MW-34D	185	135	261	-234	197	-76	201	210	129	193	190	47	84	-47	221	208	220
MW-46WR	-11	-27	8	-71	-7	--	-18	26	88	43	66	-37	-75	-71	-118	-116	-106
MW-70/70S	-29	-32	--	-78	-8	--	36	68	44	37	71	-40	29	-88	-31	-62	-7
MWBS-02S	--	-83	--	--	-163	--	-212	--	--	-178	--	--	-93	--	--	-50	--
MWBS-02I	--	-72	--	--	-141	--	-174	--	--	--	23	--	-12	--	--	-109	--
MWBS-02D	--	-124	--	--	-133	--	-185	--	--	--	39	--	9	--	--	11	--
OU3MW-01S	--	--	--	--	-181	--	-80	--	--	-138	--	--	-105	--	-116	--	--
OU3MW-02S	--	--	--	--	137	--	401	--	--	183	--	--	210	--	239	--	--
OU3MW-02I	--	--	--	--	113	--	186	--	--	99	--	--	210	--	260	--	--
OU3MW-03S	--	--	--	--	-60	--	--	1	--	--	-36	-30	--	--	-51	--	--
OU3MW-03I	--	--	--	--	-117	--	--	30	--	--	-6	-45	--	--	-113	--	--
OU3MW-04S	--	--	--	--	-142	--	-140	--	--	-33	--	-55	--	--	-100	--	--
OU3MW-04I	--	--	--	--	-63	--	-89	--	--	38	--	-34	--	--	-119	--	--
OU3MW-04D	--	--	--	--	122	--	111	--	--	206	--	213	--	--	216	--	--
OU3MW-05S	--	--	--	--	--	90	--	--	--	--	109	--	--	114	--	--	131
OU3MW-05I	--	--	--	--	--	89	--	--	--	--	136	--	--	100	--	--	115
OU3MW-06S	--	--	--	--	-66	--	--	-31	--	--	18	--	20	--	--	-50	--
OU3MW-07S	--	--	--	--	--	--	--	--	--	--	-139	-107	-109	-40	-66	-121	-5
OU3MW-07I	--	--	--	--	--	--	--	--	--	--	-56	43	190	148	198	172	165
OU3MW-07I2	--	--	--	--	--	--	--	--	--	--	18	42	152	133	142	129	134
pH (SU)																	
IO-10	6.17	6.61	--	6.58	6.15	--	5.87	5.98	5.93	5.88	5.27	6.65	5.89	6.58	6.02	6.09	5.63
MW-11W	--	5.90	--	--	--	--	--	5.89	--	--	5.66	--	--	5.68	--	--	6.02
MW-30WR	5.82	--	--	6.15	--	--	--	5.83	--	5.72	--	--	5.99	--	--	6.44	--
MW-32WR	6.13	--	--	6.09	--	--	6.57	--	6.04	--	--	--	6.42	--	--	--	6.30
MW-34S	6.10	6.25	6.05	6.35	5.79	6.49	6.26	6.00	5.87	5.85	6.15	6.01	5.79	6.05	5.80	6.24	5.69
MW-34I	5.83	5.70	6.05	6.46	6.09	6.47	5.82	5.73	5.66	5.56	5.13	6.33	5.92	6.24	6.15	5.75	5.71
MW-34D	5.96	6.00	5.87	6.26	5.82	6.39	5.79	5.66	5.72	5.49	5.88	6.07	5.66	5.93	5.88	5.40	5.76
MW-46WR	5.79	5.81	5.64	5.87	5.60	--	6.00	5.49	5.36	5.34	5.53	5.82	5.60	5.89	5.84	6.00	6.00
MW-70/70S	5.96	5.92	--	6.10	5.74	--	5.88	5.88	5.72	5.67	5.16	5.87	4.78	5.82	6.01	5.95	5.64
MWBS-02S	--	5.65	--	--	5.85	--	6.60	--	--	6.03	--	--	6.10	--	--	5.73	--
MWBS-02I	--	5.95	--	--	5.77	--	6.50	--	--	--	5.69	--	6.80	--	--	6.06	--
MWBS-02D	--	6.22	--	--	6.17	--	6.91	--	--	--	5.56	--	5.31	--	--	6.12	--
OU3MW-01S	--	--	--	--	10.12	--	8.27	--	--	6.24	--	--	7.94	--	6.11	--	--
OU3MW-02S	--	--	--	--	5.89	--	5.85	--	--	5.65	--	--	5.81	--	5.72	--	--
OU3MW-02I	--	--	--	--	5.90	--	5.97	--	--	5.84	--	--	6.08	--	5.70	--	--
OU3MW-03S	--	--	--	--	5.82	--	--	7.46	--	--	5.73	5.64	--	--	5.97	--	--
OU3MW-03I	--	--	--	--	9.84	--	--	7.09	--	--	5.66	5.89	--	--	6.12	--	--
OU3MW-04S	--	--	--	--	9.69	--	6.24	--	--	6.01	--	5.78	--	--	5.79	--	--
OU3MW-04I	--	--	--	--	8.30	--	5.88	--	--	5.54	--	5.86	--	--	6.07	--	--
OU3MW-04D	--	--	--	--	5.84	--	5.95	--	--	5.96	--	5.74	--	--	5.71	--	--
OU3MW-05S	--	--	--	--	--	6.66	--	--	--	--	6.35	--	--	5.71	--	--	6.21
OU3MW-05I	--	--	--	--	--	5.97	--	--	--	--	5.18	--	--	5.18	--	--	5.69
OU3MW-06S	--	--	--	--	8.79	--	--	5.72	--	--	5.54	--	7.06	--	--	5.99	--
OU3MW-07S	--	--	--	--	--	--	--	--	--	--	5.60	5.79	5.99	5.90	5.48	6.32	5.52
OU3MW-07I	--	--	--	--	--	--	--	--	--	--	6.26	5.92	5.86	6.02	5.64	5.80	5.78
OU3MW-07I2	--	--	--	--	--	--	--	--	--	--	5.86	5.65	5.63	5.94	5.59	5.83	5.71

Table 2-6
Summary of Groundwater Parameter Data
OU-3 Oxygen Injection Systems
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 3 (OU-3)

Well ID	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10
Temperature (degrees Celcius)																	
IO-10	13.6	16.4	--	19.3	19.4	--	15.6	14.1	11.5	11.1	11.3	12.7	16.0	16.8	19.9	18.9	19.4
MW-11W	--	17.2	--	--	--	--	--	11.1	--	--	6.9	--	--	6.4	--	--	21.8
MW-30WR	13.6	--	--	20.0	--	--	--	10.9	--	7.7	--	--	15.5	--	--	21.2	--
MW-32WR	14.1	--	--	19.9	--	--	16.1	--	9.0	--	--	--	16.3	--	--	--	21.2
MW-34S	13.8	17.0	19.2	21.0	20.2	16.6	11.5	8.9	8.9	7.1	10.5	11.5	15.9	17.6	21.3	22.7	21.8
MW-34I	12.0	15.0	16.8	16.9	17.3	16.3	14.0	11.1	13.8	11.5	10.8	11.8	15.6	14.7	17.5	17.9	19.1
MW-34D	13.1	14.7	15.3	16.2	16.4	15.2	13.6	11.4	14.3	12.7	12.6	13.3	14.6	14.6	16.4	16.7	17.3
MW-46WR	16.1	20.3	23.3	24.7	22.3	--	14.2	10.5	5.6	7.3	11.5	13.8	19.0	23.0	26.2	24.0	21.6
MW-70/70S	12.8	16.2	--	20.1	21.5	--	13.5	10.2	3.4	6.8	10.7	11.3	21.2	22.0	23.7	22.0	20.4
MWBS-02S	--	12.2	--	--	16.7	--	15.3	--	--	12.3	--	--	14.4	--	--	17.3	--
MWBS-02I	--	12.8	--	--	17.1	--	15.9	--	--	--	9.4	--	11.1	--	--	17.9	--
MWBS-02D	--	12.8	--	--	16.3	--	14.7	--	--	--	12.7	--	13.7	--	--	15.7	--
OU3MW-01S	--	--	--	--	20.7	--	15.8	--	--	8.9	--	--	15.4	--	21.3	--	--
OU3MW-02S	--	--	--	--	19.2	--	14.2	--	--	8.2	--	--	5.2	--	21.8	--	--
OU3MW-02I	--	--	--	--	16.0	--	14.5	--	--	11.0	--	--	13.1	--	17.9	--	--
OU3MW-03S	--	--	--	--	19.3	--	--	12.1	--	--	9.3	13.2	--	--	20.4	--	--
OU3MW-03I	--	--	--	--	17.1	--	--	7.5	--	--	10.6	13.1	--	--	17.8	--	--
OU3MW-04S	--	--	--	--	18.9	--	12.5	--	--	8.3	--	12.7	--	--	21.2	--	--
OU3MW-04I	--	--	--	--	16.7	--	12.9	--	--	11.9	--	12.6	--	--	17.3	--	--
OU3MW-04D	--	--	--	--	14.8	--	2.4	--	--	12.6	--	13.5	--	--	18.1	--	--
OU3MW-05S	--	--	--	--	--	18.3	--	--	--	--	10.4	--	--	18.2	--	--	20.5
OU3MW-05I	--	--	--	--	--	18.4	--	--	--	--	11.3	--	--	17.0	--	--	18.1
OU3MW-06S	--	--	--	--	17.7	--	--	13.2	--	--	9.4	--	13.7	--	--	18.6	--
OU3MW-07S	--	--	--	--	--	--	--	--	--	--	9.7	11.9	15.7	17.7	19.8	22.0	20.0
OU3MW-07I	--	--	--	--	--	--	--	--	--	--	11.1	12.7	14.9	16.8	17.4	18.9	18.7
OU3MW-07I2	--	--	--	--	--	--	--	--	--	--	12.0	13.1	14.8	15.8	17.6	18.6	17.6

Notes:
mS/cm - milli-siemens per centimeter
mg/L - milligrams/Liter
mV - milli-volt
SU - standard unit
-- Not Measured
beginning in July 2009, all parameter values were taken from latest date sampled

Table 2-7
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 Heterotropic Plate Count (cfu/ml)																
	Q1 2001	Q2 2001	Q3 2001	Q4 2001	Q1 2002	Q2 2002	Q3 2002	Q4 2002	Q2 2004	Q3 2004	Q4 2004	Q1 2005	Q2 2005	Q3 2005	Q4 2005	Q1 2006	Q2 2006
MW-02S	--	--	--	--	--	--	--	--	10,000	--	--	--	--	--	--	--	--
MW-02SR	--	--	--	--	--	--	--	--	--	TNTC	2,200	1,600	1,400	2,500	1,100	1,200	95
MW-16S	--	--	--	--	--	--	--	--	2,700	--	--	--	--	--	--	--	--
MW-16SR	--	--	--	--	--	--	--	--	--	TNTC	6,400	160	2,000	1,100	23,000	6,000	1,700
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	750	420	1,300	420	5,800	640	730
MW-46W	>3,000	>300	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-46WR	--	--	--	--	--	--	--	46,000	24,000	13,000	6,600	4,400	2,000	1,800	1,800	1,000	22,000
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	7,800	340	8,200	2,600	900	800	470
MW-71/71S	650	190	7,900	17,000	400	88	600	3,800	270	980	4,200	--	--	--	--	--	--
MWBS-02S	--	--	--	--	--	--	--	--	160	1,400	1,200	250	100	220	340	260	55
PDMW-01	--	--	--	--	--	--	--	--	150	83	78	110	220	71	810	140	45
PDMW-02	--	--	--	--	--	--	--	--	13	TNTC	200	29,000	2,200	2,300	6,000	4,300	3,000
OU3MW-01S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 2-7
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 Heterotropic Plate Count (cfu/ml)																
	Q3 2006	Q4 2006	Q1 2007	Q2 2007	Q3 2007	Q4 2007	Q1 2008	Q2 2008	Q3 2008	Q4 2008	Q1 2009	Q2 2009	Q3 2009	Q4 2009	Q1 2010	Q2 2010	Q3 2010
MW-02S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-02SR	350	1,000	560	70	190	300	76	44	380	290	130	110	--	--	--	--	--
MW-16S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16SR	4100	30,000	12,000	3,200	2,000	416,400	137,500	84,000	7,765	25,000	4,300	16,000	--	--	--	--	--
MW-30W	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-34S	1900	1,000	2,200	130	9,000	370	1,000	390	580	360	100	2,400	210	420	260	400	130
MW-46W	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-46WR	2800	4,600	2,100	560	8,600	3,200	15,000	120	1,400	800	170	12,000	4,200	260	310	2,000	64
MW-64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-70/70S	350	170	180	44	1,700	170	2,000	80	580	680	120	920	390	5,900	160	340	280
MW-71/71S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MWBS-02S	45	26	74	16	100	160	280	340	860	650	550	55	220	62	620	32	20
PDMW-01	240	50	33	22	420	130	38	120	1,000	200	280	140	--	71	--	120	--
PDMW-02	720	2,400	1,700	390	2,000	110	2,100	95	5,200	3,300	3,700	600	--	--	--	--	--
OU3MW-01S	--	--	--	--	--	--	--	--	--	--	--	--	960	--	--	--	--
OU3MW-02S	--	--	--	--	--	--	--	--	--	--	--	--	1,200	--	--	--	--
OU3MW-02I	--	--	--	--	--	--	--	--	--	--	--	--	300	--	--	--	--
OU3MW-07S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	86	70	--
OU3MW-07I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	890	100	--
OU3MW-07I2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1,100	170	--

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

Table 3-1
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	7/1/2010	9:02	2.00	23.97	10.34	13.63	
BBMW-13D	6/30/2010	13:11	2.00	23.90	9.73	14.17	
BBMW-20I	7/1/2010	9:20	1.00	18.63	6.91	11.72	
BBMW-22S	7/1/2010	9:12	2.00	20.87	7.12	13.75	
BBMW-22I	7/1/2010	9:13	2.00	17.58	7.16	10.42	
BBMW-22D	7/1/2010	9:14	2.00	20.77	7.06	13.71	
BBMW-26S	6/30/2010	9:35	1.00	24.96	9.62	15.34	
BBMW-26I	6/30/2010	9:36	1.00	25.02	9.68	15.34	
BBMW-27S	6/30/2010	9:48	1.00	25.03	9.69	15.34	
BBMW-27I	6/30/2010	9:50	1.00	25.37	10.03	15.34	
BBMW-34S	6/30/2010	10:03	2.00	25.03	10.82	14.21	
BBMW-34I	6/30/2010	10:26	2.00	25.24	11.11	14.13	LNAPL at 11.07'
BBMW-34I2	6/30/2010	10:30	2.00	25.05	10.90	14.15	DNAPL at 1.40'
BBMW-34D	6/30/2010	10:31	2.00	25.21	11.06	14.15	
BBMW-38S	6/30/2010	11:38	2.00	26.14	11.44	14.70	
BBMW-38I	6/30/2010	11:39	2.00	26.09	11.45	14.64	
BBMW-38I2	6/30/2010	11:40	2.00	26.16	11.53	14.63	
BBMW-38D	6/30/2010	11:41	2.00	26.08	11.42	14.66	
BBMW-39S	6/30/2010	10:53	2.00	23.99	9.99	14.00	
BBMW-39I	6/30/2010	10:54	2.00	24.03	10.03	14.00	
BBMW-39I2	6/30/2010	10:54	2.00	23.98	10.00	13.98	
BBMW-39D	6/30/2010	10:55	2.00	23.98	9.98	14.00	
BBMW-40S	6/30/2010	10:59	2.00	24.76	10.23	14.53	
BBMW-40I	6/30/2010	11:31	2.00	24.77	10.22	14.55	
BBMW-40I2	6/30/2010	11:32	2.00	24.77	10.25	14.52	
BBMW-40D	6/30/2010	11:33	2.00	24.76	10.21	14.55	
BBMW-41S	6/30/2010	9:58	2.00	24.28	9.99	14.29	
BBMW-41I	6/30/2010	9:59	2.00	24.37	10.05	14.32	
BBMW-41I2	6/30/2010	10:00	2.00	24.47	10.20	14.27	
BBMW-41D	6/30/2010	10:00	2.00	24.40	10.13	14.27	
MW-03S	6/30/2010	13:09	4.00	22.59	8.45	14.14	
MW-03D	6/30/2010	13:10	4.00	22.48	8.35	14.13	
MW-05S	7/1/2010	8:59	2.00	24.05	10.16	13.89	
MW-05D	7/1/2010	9:00	2.00	24.37	10.11	14.26	
MW-09S	6/30/2010	9:41	4.00	25.17	9.58	15.59	
MW-09I	6/30/2010	9:42	2.00	24.71	9.11	15.60	
MW-09I2	6/30/2010	9:42	2.00	25.59	10.05	15.54	
MW-09D	6/30/2010	9:43	2.00	25.51	9.98	15.53	
OZMW-16S	NM	NM	2.00	19.88	NM	NC	
OZMW-16I	NM	NM	2.00	19.90	NM	NC	
OZMW-16I2	NM	NM	2.00	19.72	NM	NC	
OZMW-16D	NM	NM	2.00	20.10	NM	NC	
OZMW-17S	6/30/2010	14:35	2.00	19.83	6.64	13.19	
OZMW-17I	6/30/2010	14:36	2.00	19.91	6.72	13.19	
OZMW-17I2	6/30/2010	14:37	2.00	19.86	6.73	13.13	
OZMW-17D	6/30/2010	14:38	2.00	19.88	6.76	13.12	
OZMW-18S	NM	NM	2.00	19.56	NM	NC	
OZMW-18I	NM	NM	2.00	19.98	NM	NC	
OZMW-18I2	NM	NM	2.00	19.97	NM	NC	
OZMW-18D	NM	NM	2.00	19.53	NM	NC	
OZMW-19S	7/1/2010	8:44	2.00	26.11	12.12	13.99	
OZMW-19I	7/1/2010	8:45	2.00	26.08	12.42	13.66	
OZMW-19I2	7/1/2010	8:46	2.00	26.08	12.46	13.62	
OZMW-19D	7/1/2010	8:47	2.00	26.08	12.41	13.67	
OZMW-22SR	7/1/2010	8:38	2.00	NS	9.38	NC	
OZMW-22IR	7/1/2010	8:37	2.00	NS	9.43	NC	
OZMW-25S	7/1/2010	8:53	2.00	24.67	10.85	13.82	
OZMW-25I	7/1/2010	8:54	2.00	24.55	10.74	13.81	
OZMW-25I2	7/1/2010	8:55	2.00	24.61	10.80	13.81	
OZMW-25D	7/1/2010	8:56	2.00	24.82	10.97	13.85	

Notes:

1 - Well Elevations obtained from 2007 survey or later and reference NAVD88 datum

MSL - Mean Sea Level

NS - Survey Data Not Available

NM - Not Measured

NC - Not Calculated

Table 3-2
Historic Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 1 (OU-1)

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)										
		Oct-92	Nov-99	Mar-02	Jun-02	Aug-02	Nov-02	Mar-03	Jul-03	Sep-03	Jan-04	Apr-04
BBMW-05D	64.0 - 74.0	NC	13.67	13.42	13.51	12.15	14.25	14.72	14.55	13.70	14.15	15.83
BBMW-05D2	126.5 - 136.5	NC	NC	14.00	13.82	12.30	14.72	15.54	15.07	14.51	15.10	16.23
BBMW-13D	62.0 -72.0	NC	14.05	13.75	14.55	12.48	14.64	15.12	15.15	14.09	14.52	16.29
BBMW-20S	4.0 - 14.0	NC	NC	NC	12.59	11.28	13.21	13.72	13.56	12.71	13.13	14.59
BBMW-20I	35.0 - 45.0	NC	NC	NC	12.52	11.22	13.14	13.64	13.48	12.64	13.04	14.51
BBMW-20D	62.0 - 72.0	NC	NC	NC	12.62	11.32	13.25	13.76	13.62	12.93	13.33	14.80
BBMW-22S	5.0 - 10.0	NC	NC	13.26	13.34	12.01	13.99	14.52	14.35	13.51	13.92	15.54
BBMW-22I	30.0 - 40.0	NC	NC	13.26	13.34	12.02	14.01	14.52	14.36	13.42	13.94	15.52
BBMW-22D	64.0 - 74.0	NC	NC	13.26	13.34	12.01	14.01	14.55	14.37	13.61	13.98	15.52
BBMW-26S	6.0 - 16.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-26I	30.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-27S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-27I	30.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-34S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-34I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-34I2	40.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-34D	65.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-38S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-38I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-38I2	40.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-38D	65.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-39S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-39I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-39I2	45.0 - 50.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-39D	65.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-40S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-40I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-40I2	45.0 - 50.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-40D	70.0 - 75.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-41S	6.0 - 16.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-41I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-41I2	45.0 - 50.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-41D	65.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-03S	3.0 -13.0	13.81	14.02	13.72	14.51	12.45	14.60	15.10	15.11	14.07	14.49	16.23
MW-03D	35.0 - 45.0	13.77	14.01	13.72	14.48	12.44	14.59	15.09	15.08	14.06	14.49	16.22
MW-05S	4.0 - 14.0	17.61	13.75	13.45	13.50	12.16	14.19	14.72	14.55	13.69	14.15	15.83
MW-05D	35.5 - 45.5	18.51	14.71	14.41	14.51	13.16	15.21	15.73	15.52	14.70	15.15	15.81
MW-09S	4.0 - 14.0	15.24	15.34	NC	15.08	13.55	15.67	16.50	16.55	15.54	15.88	17.44
MW-09I	30.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-09I2	45.0 - 50.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-09D	65.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-16S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-16I	20.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-16I2	35.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-16D	55.0 - 65.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-17S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

Table 3-2
Historic Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 1 (OU-1)

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)										
		Oct-92	Nov-99	Mar-02	Jun-02	Aug-02	Nov-02	Mar-03	Jul-03	Sep-03	Jan-04	Apr-04
OZMW-17I	20.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-17I2	35.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-17D	53.0 - 63.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-18S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-18I	20.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-18I2	35.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-18D	55.0 - 65.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-19S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-19I	20.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-19I2	35.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-19D	53.0 - 63.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-22S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-22I	20.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-22I2	35.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-22D	55.0 - 65.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-22SR	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-22IR	20.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-25S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-25I	20.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-25I2	35.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-25D	55.0 - 65.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

Table 3-2
Historic Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 1 (OU-1)

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)										
		Aug-04	Oct-04	Feb-05	May-05	Aug-05	Nov-05	Feb-06	May-06	Jul/Aug-06	Nov-06	Jan-07
BBMW-05D	64.0 - 74.0	13.54	13.99	14.66	14.55	13.32	15.08	14.95	14.46	14.19	14.63	14.51
BBMW-05D2	126.5 - 136.5	14.38	15.10	15.66	15.62	13.64	16.27	16.22	15.38	14.51	15.61	15.81
BBMW-13D	62.0 -72.0	13.91	14.37	15.04	14.86	13.71	15.45	15.33	14.83	14.54	14.99	14.93
BBMW-20S	4.0 - 14.0	12.56	13.00	13.66	13.54	12.35	14.08	13.93	13.45	13.17	13.64	13.55
BBMW-20I	35.0 - 45.0	12.50	12.92	12.68	13.46	12.63	14.34	14.20	13.73	13.42	13.90	13.79
BBMW-20D	62.0 - 72.0	12.76	13.20	13.83	NC	13.00	14.70	14.55	14.10	13.78	14.28	14.20
BBMW-22S	5.0 - 10.0	13.34	13.79	14.44	14.34	13.13	14.93	14.75	14.26	13.97	14.43	14.34
BBMW-22I	30.0 - 40.0	13.33	13.78	14.43	14.33	13.12	14.88	14.74	14.26	13.97	14.43	14.34
BBMW-22D	64.0 - 74.0	13.37	13.83	14.42	14.36	13.16	14.96	14.76	14.27	13.98	14.49	14.41
BBMW-26S	6.0 - 16.0	NC	NC	16.11	16.09	14.74	16.60	16.49	15.98	15.72	16.11	16.07
BBMW-26I	30.0 - 40.0	NC	NC	16.12	16.10	14.79	16.62	16.50	15.98	15.72	16.10	16.08
BBMW-27S	5.0 - 15.0	NC	NC	16.10	16.08	14.73	16.59	16.47	15.98	NC	16.04	16.02
BBMW-27I	30.0 - 40.0	NC	NC	16.14	16.11	14.78	16.62	16.50	16.00	NC	16.07	16.05
BBMW-34S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-34I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-34I2	40.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-34D	65.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-38S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-38I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-38I2	40.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-38D	65.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-39S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-39I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-39I2	45.0 - 50.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-39D	65.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-40S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-40I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-40I2	45.0 - 50.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-40D	70.0 - 75.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-41S	6.0 - 16.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-41I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-41I2	45.0 - 50.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-41D	65.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-03S	3.0 -13.0	13.87	14.33	15.01	14.88	13.64	15.42	15.30	14.80	14.51	14.98	14.88
MW-03D	35.0 - 45.0	13.87	14.33	15.00	14.89	13.65	15.41	15.27	14.80	14.50	14.94	14.89
MW-05S	4.0 - 14.0	13.54	13.99	14.66	14.54	13.32	14.06	14.96	14.46	14.17	14.63	14.53
MW-05D	35.5 - 45.5	13.55	14.00	14.66	14.55	13.32	15.08	14.95	14.45	14.18	14.65	14.56
MW-09S	4.0 - 14.0	15.26	15.74	16.41	16.40	15.03	16.89	16.79	16.29	NC	16.34	16.33
MW-09I	30.0 - 40.0	NC	NC	16.37	16.37	15.02	16.85	16.77	16.28	NC	16.34	16.32
MW-09I2	45.0 - 50.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-09D	65.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-16S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-16I	20.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-16I2	35.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-16D	55.0 - 65.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-17S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

Table 3-2
Historic Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 1 (OU-1)

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)										
		Aug-04	Oct-04	Feb-05	May-05	Aug-05	Nov-05	Feb-06	May-06	Jul/Aug-06	Nov-06	Jan-07
OZMW-17I	20.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-17I2	35.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-17D	53.0 - 63.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-18S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-18I	20.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-18I2	35.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-18D	55.0 - 65.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-19S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-19I	20.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-19I2	35.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-19D	53.0 - 63.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-22S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-22I	20.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-22I2	35.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-22D	55.0 - 65.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-22SR	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-22IR	20.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-25S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-25I	20.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-25I2	35.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-25D	55.0 - 65.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

Table 3-2
Historic Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 1 (OU-1)

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)											
		May-07	Jul/Aug-07	Oct/Nov-07	Jan-08	Apr-08	Aug-08	Nov-08	Jan-09	May-09	Jul-09	Oct-09	Jan-10
BBMW-05D	64.0 - 74.0	14.91	14.23	13.41	14.27	15.01	14.01	14.54	14.60	14.91	14.82	13.69	14.70
BBMW-05D2	126.5 - 136.5	16.19	14.44	14.18	15.07	15.81	14.01	15.33	15.66	14.75	15.61	NC	NC
BBMW-13D	62.0 -72.0	15.32	14.55	13.66	14.63	15.25	14.09	14.76	14.86	15.12	15.01	14.14	15.24
BBMW-20S	4.0 - 14.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-20I	35.0 - 45.0	NC	NC	NC	13.91	NC	NC	14.21	NC	NC	NC	NC	NC
BBMW-20D	62.0 - 72.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-22S	5.0 - 10.0	14.73	14.08	13.26	13.86	14.63	13.80	14.41	14.46	14.72	14.68	11.07	14.78
BBMW-22I	30.0 - 40.0	14.72	14.08	13.27	14.11	14.82	13.80	14.40	14.45	14.75	14.69	7.82	11.46
BBMW-22D	64.0 - 74.0	14.46	13.70	12.89	14.10	14.82	13.68	14.31	14.42	14.75	14.66	10.92	14.78
BBMW-26S	6.0 - 16.0	16.46	15.67	14.74	15.63	16.38	15.19	15.82	16.04	16.22	16.14	15.27	16.34
BBMW-26I	30.0 - 40.0	16.46	15.63	14.76	15.64	16.37	15.19	15.82	16.09	16.24	16.16	15.27	16.36
BBMW-27S	5.0 - 15.0	16.42	15.67	14.76	15.66	16.38	15.21	15.81	16.02	16.22	16.14	15.29	16.30
BBMW-27I	30.0 - 40.0	16.44	15.70	14.80	15.65	16.33	15.24	15.84	16.04	16.21	16.16	15.30	16.33
BBMW-34S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	14.27	15.33
BBMW-34I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	14.17	15.22
BBMW-34I2	40.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	14.16	15.22
BBMW-34D	65.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	14.16	15.21
BBMW-38S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	14.70	15.83
BBMW-38I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	14.63	15.69
BBMW-38I2	40.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	14.63	15.68
BBMW-38D	65.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	14.63	15.71
BBMW-39S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	14.03	15.04
BBMW-39I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	14.03	15.03
BBMW-39I2	45.0 - 50.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	14.02	15.01
BBMW-39D	65.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	14.02	15.03
BBMW-40S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	14.54	15.66
BBMW-40I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	14.55	15.58
BBMW-40I2	45.0 - 50.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	14.52	15.54
BBMW-40D	70.0 - 75.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	14.55	15.57
BBMW-41S	6.0 - 16.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	14.29	15.36
BBMW-41I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	14.32	15.38
BBMW-41I2	45.0 - 50.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	14.28	15.36
BBMW-41D	65.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	14.28	15.35
MW-03S	3.0 -13.0	15.29	14.52	13.64	14.60	15.21	14.05	14.72	14.83	15.1	15.00	14.11	15.21
MW-03D	35.0 - 45.0	15.28	14.51	13.62	14.60	15.21	14.05	14.72	14.81	15.10	14.98	14.11	15.21
MW-05S	4.0 - 14.0	14.93	14.23	13.40	14.24	15.01	13.99	9.51	14.58	14.92	14.82	13.96	14.98
MW-05D	35.5 - 45.5	14.95	14.24	13.42	14.26	14.98	14.00	9.82	14.60	14.91	14.82	14.29	15.29
MW-09S	4.0 - 14.0	16.75	15.96	14.99	15.85	16.63	15.45	16.09	16.35	16.49	16.41	15.52	16.62
MW-09I	30.0 - 40.0	16.72	15.94	15.02	15.90	16.64	15.44	16.07	16.35	16.50	16.45	15.54	16.62
MW-09I2	45.0 - 50.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	15.47	16.56
MW-09D	65.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	15.45	16.55
OZMW-16S	5.0 - 15.0	NC	NC	NC	NC	NC	13.06	13.76	13.75	14.05	13.99	NC	NC
OZMW-16I	20.0 - 30.0	NC	NC	NC	NC	NC	13.07	13.76	13.74	14.06	14.01	NC	NC
OZMW-16I2	35.0 - 45.0	NC	NC	NC	NC	NC	13.11	13.77	13.75	14.05	14.02	NC	NC
OZMW-16D	55.0 - 65.0	NC	NC	NC	NC	NC	13.05	13.81	13.77	14.05	14.02	NC	NC
OZMW-17S	5.0 - 15.0	NC	NC	NC	NC	NC	13.10	13.84	13.67	14.10	14.03	13.19	14.23

Table 3-2
Historic Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 1 (OU-1)

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)											
		May-07	Jul/Aug-07	Oct/Nov-07	Jan-08	Apr-08	Aug-08	Nov-08	Jan-09	May-09	Jul-09	Oct-09	Jan-10
OZMW-17I	20.0 - 30.0	NC	NC	NC	NC	NC	13.07	13.83	13.75	14.11	14.02	13.18	14.23
OZMW-17I2	35.0 - 45.0	NC	NC	NC	NC	NC	13.05	13.79	13.73	14.05	13.99	13.14	14.2
OZMW-17D	53.0 - 63.0	NC	NC	NC	NC	NC	13.02	13.80	13.74	14.09	13.99	13.16	14.21
OZMW-18S	5.0 - 15.0	NC	NC	NC	NC	NC	12.72	13.76	13.66	14.01	13.95	NC	NC
OZMW-18I	20.0 - 30.0	NC	NC	NC	NC	NC	13.38	14.14	14.04	14.36	14.30	NC	NC
OZMW-18I2	35.0 - 45.0	NC	NC	NC	NC	NC	13.49	14.23	14.14	14.44	14.38	NC	NC
OZMW-18D	55.0 - 65.0	NC	NC	NC	NC	NC	12.98	13.76	13.65	13.98	13.92	NC	NC
OZMW-19S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-19I	20.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-19I2	35.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-19D	53.0 - 63.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-22S	5.0 - 15.0	NC	NC	NC	NC	NC	13.44	14.15	14.13	14.39	14.38	13.52	NC
OZMW-22I	20.0 - 30.0	NC	NC	NC	NC	NC	13.48	14.16	14.14	14.42	14.39	13.51	NC
OZMW-22I2	35.0 - 45.0	NC	NC	NC	NC	NC	13.46	14.15	14.12	14.39	14.36	13.5	NC
OZMW-22D	55.0 - 65.0	NC	NC	NC	NC	NC	13.42	14.12	14.09	14.38	14.32	13.46	NC
OZMW-22SR	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-22IR	20.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-25S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	13.86	14.87
OZMW-25I	20.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	13.87	14.85
OZMW-25I2	35.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	13.88	14.89
OZMW-25D	55.0 - 65.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	13.88	14.89

Table 3-2
Historic Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 1 (OU-1)

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)				
		Apr-10	Jul-10	Minimum	Average	Maximum
BBMW-05D	64.0 - 74.0	16.40	13.63	12.15	14.31	16.40
BBMW-05D2	126.5 - 136.5	NC	NC	12.30	15.02	16.27
BBMW-13D	62.0 -72.0	16.52	14.17	12.48	14.68	16.52
BBMW-20S	4.0 - 14.0	NC	NC	11.28	13.25	14.59
BBMW-20I	35.0 - 45.0	14.42	11.72	11.22	13.31	14.51
BBMW-20D	62.0 - 72.0	NC	NC	11.32	13.56	14.80
BBMW-22S	5.0 - 10.0	16.50	13.75	11.07	14.09	16.50
BBMW-22I	30.0 - 40.0	13.17	10.42	7.82	13.70	15.52
BBMW-22D	64.0 - 74.0	16.43	13.71	10.92	14.07	16.43
BBMW-26S	6.0 - 16.0	17.85	15.34	14.74	15.96	17.85
BBMW-26I	30.0 - 40.0	17.84	15.34	14.76	15.96	17.84
BBMW-27S	5.0 - 15.0	17.76	15.34	14.73	15.95	17.76
BBMW-27I	30.0 - 40.0	17.79	15.34	14.78	15.97	17.79
BBMW-34S	5.0 - 15.0	16.65	14.21	14.21	15.12	16.65
BBMW-34I	25.0 - 30.0	16.79	14.13	14.13	15.08	16.79
BBMW-34I2	40.0 - 45.0	16.61	14.15	14.15	15.04	16.61
BBMW-34D	65.0 - 70.0	16.79	14.15	14.15	15.08	16.79
BBMW-38S	5.0 - 15.0	17.32	14.70	14.70	15.64	17.32
BBMW-38I	25.0 - 30.0	17.22	14.64	14.63	15.55	17.22
BBMW-38I2	40.0 - 45.0	17.25	14.63	14.63	15.55	17.25
BBMW-38D	65.0 - 70.0	17.22	14.66	14.63	15.56	17.22
BBMW-39S	5.0 - 15.0	16.58	14.00	14.00	14.91	16.58
BBMW-39I	25.0 - 30.0	16.58	14.00	14.00	14.91	16.58
BBMW-39I2	45.0 - 50.0	16.54	13.98	13.98	14.89	16.54
BBMW-39D	65.0 - 70.0	16.55	14.00	14.00	14.90	16.55
BBMW-40S	5.0 - 15.0	17.15	14.53	14.53	15.47	17.15
BBMW-40I	25.0 - 30.0	17.08	14.55	14.55	15.44	17.08
BBMW-40I2	45.0 - 50.0	17.07	14.52	14.52	15.41	17.07
BBMW-40D	70.0 - 75.0	17.08	14.55	14.55	15.44	17.08
BBMW-41S	6.0 - 16.0	16.68	14.29	14.29	15.16	16.68
BBMW-41I	25.0 - 30.0	16.82	14.32	14.32	15.21	16.82
BBMW-41I2	45.0 - 50.0	16.93	14.27	14.27	15.21	16.93
BBMW-41D	65.0 - 70.0	16.89	14.27	14.27	15.20	16.89
MW-03S	3.0 -13.0	16.48	14.14	12.45	14.63	16.48
MW-03D	35.0 - 45.0	16.46	14.13	12.44	14.62	16.46
MW-05S	4.0 - 14.0	16.74	13.89	9.51	14.27	17.61
MW-05D	35.5 - 45.5	17.02	14.26	9.82	14.62	18.51
MW-09S	4.0 - 14.0	18.00	15.59	13.55	16.03	18.00
MW-09I	30.0 - 40.0	18.02	15.60	15.02	16.23	18.02
MW-09I2	45.0 - 50.0	17.96	15.54	15.47	16.38	17.96
MW-09D	65.0 - 70.0	17.94	15.53	15.45	16.37	17.94
OZMW-16S	5.0 - 15.0	NC	NC	13.06	13.72	14.05
OZMW-16I	20.0 - 30.0	NC	NC	13.07	13.73	14.06
OZMW-16I2	35.0 - 45.0	NC	NC	13.11	13.74	14.05
OZMW-16D	55.0 - 65.0	NC	NC	13.05	13.74	14.05
OZMW-17S	5.0 - 15.0	15.92	13.19	13.10	13.92	15.92

Table 3-2
Historic Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 1 (OU-1)

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)				
		Apr-10	Jul-10	Minimum	Average	Maximum
OZMW-17I	20.0 - 30.0	15.94	13.19	13.07	13.92	15.94
OZMW-17I2	35.0 - 45.0	15.91	13.13	13.05	13.89	15.91
OZMW-17D	53.0 - 63.0	15.86	13.12	13.02	13.89	15.86
OZMW-18S	5.0 - 15.0	NC	NC	12.72	13.62	14.01
OZMW-18I	20.0 - 30.0	NC	NC	13.38	14.04	14.36
OZMW-18I2	35.0 - 45.0	NC	NC	13.49	14.14	14.44
OZMW-18D	55.0 - 65.0	NC	NC	12.98	13.66	13.98
OZMW-19S	5.0 - 15.0	16.52	13.99	13.99	15.26	16.52
OZMW-19I	20.0 - 30.0	16.37	13.66	13.66	15.02	16.37
OZMW-19I2	35.0 - 45.0	16.31	13.62	13.62	14.97	16.31
OZMW-19D	53.0 - 63.0	16.38	13.67	13.67	15.03	16.38
OZMW-22S	5.0 - 15.0	NC	NC	13.44	14.00	14.39
OZMW-22I	20.0 - 30.0	NC	NC	13.48	14.02	14.42
OZMW-22I2	35.0 - 45.0	NC	NC	13.46	14.00	14.39
OZMW-22D	55.0 - 65.0	NC	NC	13.42	13.97	14.38
OZMW-22SR	5.0 - 15.0	NC	NC	NC	NC	NC
OZMW-22IR	20.0 - 30.0	NC	NC	NC	NC	NC
OZMW-25S	5.0 - 15.0	16.66	13.82	13.82	14.80	16.66
OZMW-25I	20.0 - 30.0	16.63	13.81	13.81	14.79	16.63
OZMW-25I2	35.0 - 45.0	16.64	13.81	13.81	14.81	16.64
OZMW-25D	55.0 - 65.0	16.63	13.85	13.85	14.81	16.63

Notes:
NC - Not Calculated
bgs - below ground surface
Well Elevations obtained from 2007 survey or later and reference NAVD88 datum

Table 3-3
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	6/30/2010	13:37	2.00	19.65	7.38	12.27	
BBMW-01I	6/30/2010	13:36	2.00	19.23	6.96	12.27	
BBMW-01D	6/30/2010	13:34	2.00	19.20	6.91	12.29	
BBMW-02S	6/30/2010	13:05	2.00	16.83	5.61	11.22	
BBMW-02I	6/30/2010	13:05	2.00	16.96	5.75	11.21	
BBMW-02D	6/30/2010	13:04	2.00	17.13	5.92	11.21	
BBMW-03S	7/1/2010	6:49	2.00	11.33	3.94	7.39	
BBMW-03I	7/1/2010	6:50	2.00	11.19	3.80	7.39	
BBMW-03D	7/1/2010	6:52	2.00	11.24	3.85	7.39	
BBMW-04D	6/30/2010	14:40	2.00	19.69	6.02	13.67	
BBMW-07S	7/1/2010	7:19	2.00	12.80	7.52	5.28	
BBMW-07I	7/1/2010	7:20	2.00	12.60	7.32	5.28	
BBMW-07D	7/1/2010	7:21	2.00	12.58	7.29	5.29	
BBMW-15S	6/30/2010	12:53	2.00	15.92	6.05	9.87	
BBMW-15I	6/30/2010	12:53	2.00	15.82	5.98	9.84	
BBMW-15I2	6/30/2010	12:52	2.00	15.79	6.02	9.77	
BBMW-15D	6/30/2010	12:51	2.00	15.63	5.81	9.82	
BBMW-16S	6/30/2010	13:23	2.00	19.04	9.71	9.33	
BBMW-16I	6/30/2010	13:24	2.00	19.43	10.09	9.34	
BBMW-16D	6/30/2010	13:24	2.00	18.97	9.59	9.38	
BBMW-23S	6/30/2010	13:43	1.00	19.13	6.50	12.63	
BBMW-23I	6/30/2010	13:43	1.00	19.16	6.56	12.60	
BBMW-23D	6/30/2010	13:42	1.00	19.17	6.54	12.63	
BBMW-23D2	6/30/2010	13:42	2.00	18.61	6.00	12.61	
BBMW-24S	6/30/2010	13:13	1.00	18.14	7.58	10.56	
BBMW-24I	6/30/2010	13:14	1.00	18.01	7.61	10.40	
BBMW-24D	6/30/2010	13:15	1.00	17.76	7.45	10.31	
BBMW-25S	NM	NM	1.00	12.80	NM	NC	
BBMW-25I	NM	NM	1.00	12.79	NM	NC	
BBMW-25D	NM	NM	1.00	12.70	NM	NC	
GM-05S	6/30/2010	10:04	1.25	5.73	3.00	2.73	
GM-05I	6/30/2010	10:03	1.25	5.92	3.04	2.88	
GM-05D	6/30/2010	10:05	1.25	7.87	0.82	7.05	Artesian Conditions
GM-06S	6/30/2010	13:59	1.25	9.52	6.28	3.24	
GM-06I	6/30/2010	13:59	1.25	9.56	6.31	3.25	
GM-06D	6/30/2010	14:00	1.25	9.66	6.42	3.24	
GM-07S	6/30/2010	14:18	1.25	10.61	8.12	2.49	
GM-07I	6/30/2010	14:19	1.25	10.53	8.06	2.47	
GM-07D	6/30/2010	14:20	1.25	10.75	8.27	2.48	
GM-08S	6/30/2010	9:00	1.25	3.90	2.96	0.94	
GM-08I	6/30/2010	9:01	1.25	4.05	3.31	0.74	
GM-08D	6/30/2010	9:02	1.25	3.91	3.17	0.74	
GM-09S	6/30/2010	14:05	1.25	3.22	2.36	0.86	
GM-09I	6/30/2010	14:06	1.25	3.41	2.55	0.86	
GM-09D	6/30/2010	14:07	1.25	3.09	2.22	0.87	
GM-10AD	6/30/2010	14:13	2.00	8.07	6.42	1.65	
MW-04S	NM	NM	2.00	NM	NM	NC	
MW-04D	NM	NM	2.00	NM	NM	NC	
GMP-01	6/30/2010	9:34	0.75	6.58	3.44	3.14	
GMP-02	6/30/2010	10:10	0.75	6.28	3.84	2.44	
GMP-04	6/30/2010	8:40	0.75	3.74	2.79	0.95	
MW-16AS	6/30/2010	12:58	2.00	16.16	6.00	10.16	
OU2-IW01S	6/30/2010	14:30	2.00	5.95	3.25	2.70	
OU2MW-01WT	NM	NM	1.00	12.86	NM	NC	
OU2MW-01S	NM	NM	2.00	12.41	NM	NC	
OU2MW-01I	NM	NM	2.00	12.47	NM	NC	
OU2MW-01I2	NM	NM	2.00	12.28	NM	NC	
OU2MW-01D	NM	NM	2.00	12.35	NM	NC	
OU2MW-02S	NM	NM	2.00	11.58	NM	NC	
OU2MW-02I	NM	NM	2.00	11.59	NM	NC	
OU2MW-02I2	NM	NM	2.00	11.74	NM	NC	
OU2MW-02D	NM	NM	2.00	11.53	NM	NC	
OU2MW-03S	NM	NM	2.00	11.23	NM	NC	
OU2MW-03I	NM	NM	2.00	11.15	NM	NC	
OU2MW-03I2	NM	NM	2.00	11.15	NM	NC	
OU2MW-03D	NM	NM	2.00	11.14	NM	NC	

Table 3-3
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-04WT	7/1/2010	6:59	1.00	10.34	4.30	6.04	
OU2MW-04S	7/1/2010	6:59	2.00	10.18	4.18	6.00	
OU2MW-04I	7/1/2010	7:00	2.00	10.10	4.11	5.99	
OU2MW-04I2	7/1/2010	7:01	2.00	10.05	4.17	5.88	
OU2MW-04D	7/1/2010	7:01	2.00	10.08	4.09	5.99	
OU2MW-05	6/30/2010	9:40	2.00	6.32	2.47	3.85	
OU2MW-06	6/30/2010	8:47	2.00	4.43	2.50	1.93	
OU2MW-06S	6/30/2010	8:48	2.00	4.83	2.87	1.96	
OU2MW-07	6/30/2010	9:02	2.00	5.34	3.62	1.72	
OU2MW-07S	6/30/2010	9:02	2.00	5.47	3.72	1.75	
OU2MW-08WT	7/1/2010	8:38	2.00	14.93	6.98	7.95	
OU2MW-08S	7/1/2010	8:38	2.00	14.77	6.80	7.97	
OU2MW-08I	7/1/2010	8:37	2.00	14.70	6.78	7.92	
OU2MW-08I2	7/1/2010	8:37	2.00	14.78	6.82	7.96	
OU2MW-08D	7/1/2010	8:36	2.00	14.87	6.18	8.69	
OU2MW-09	7/1/2010	6:52	2.00	11.26	3.91	7.35	
OU2MW-10S	6/30/2010	10:27	2.00	5.31	3.16	2.15	
OU2MW-10I	6/30/2010	10:28	2.00	5.42	3.28	2.14	
OU2MW-10D	6/30/2010	10:28	2.00	5.43	3.24	2.19	
OU2MW-11S	6/30/2010	9:52	2.00	6.69	3.27	3.42	
OU2MW-11I	7/1/2010	12:04	2.00	6.72	3.39	3.33	
OU2MW-11I2	6/30/2010	9:53	2.00	6.53	3.15	3.38	
OU2MW-11D	6/30/2010	9:55	2.00	6.65	3.29	3.36	
OU2MW-12S	6/30/2010	9:27	2.00	5.70	2.91	2.79	
OU2MW-12I	6/30/2010	9:27	2.00	5.73	2.9	2.83	
OU2MW-12I2	6/30/2010	9:26	2.00	5.81	3.01	2.80	
OU2MW-12D	6/30/2010	9:27	2.00	5.59	2.79	2.80	
OU2MW-13S	6/30/2010	9:14	2.00	4.78	2.89	1.89	
OU2MW-13I	6/30/2010	9:13	2.00	4.81	2.98	1.83	
OU2MW-13D	6/30/2010	9:13	2.00	4.94	3.11	1.83	
OU2MW-14S	6/30/2010	6:40	1.00	14.58	6.77	7.81	
OU2MW-14I	6/30/2010	6:39	1.00	14.75	6.76	7.99	
OU2MW-14I2	6/30/2010	6:39	1.00	14.77	6.78	7.99	
OU2MW-15S	6/30/2010	8:26	2.00	4.80	2.58	2.22	
OU2MW-15I	6/30/2010	8:25	2.00	5.09	2.85	2.24	
OU2MW-15I2	6/30/2010	8:25	2.00	5.13	2.90	2.23	
OU2MW-15D	6/30/2010	8:24	2.00	5.21	2.95	2.26	
OU2MW-16S	6/30/2010	10:18	2.00	5.44	3.10	2.34	
OU2MW-16I	6/30/2010	10:19	2.00	5.31	3.05	2.26	
OU2MW-16I2	6/30/2010	10:19	2.00	5.31	3.01	2.30	
OU2MW-16D	6/30/2010	10:20	2.00	5.61	3.33	2.28	
OU2MW-39S	6/30/2010	11:22	1.00	21.22	9.79	11.43	
OU2MW-39I	6/30/2010	11:21	1.00	21.32	9.88	11.44	
OU2MW-39I2	6/30/2010	11:22	1.00	21.14	9.72	11.42	
OU2MW-39D	6/30/2010	11:23	1.00	21.18	9.75	11.43	
OU2MW-52S	6/30/2010	10:43	1.00	5.80	4.33	1.47	
OU2MW-52I	6/30/2010	10:46	1.00	5.64	4.18	1.46	
OU2MW-52D	6/30/2010	10:43	1.00	5.70	4.26	1.44	
OU2MW-53S	6/30/2010	10:55	1.00	4.98	3.85	1.13	
OU2MW-53I	6/30/2010	10:56	1.00	4.98	3.85	1.13	
OU2MW-53D	6/30/2010	10:57	1.00	5.08	3.94	1.14	
OU2SW-01*	6/30/2010	8:56	NA	2.65	2.91	-0.26	Boat Basin
BBSW-06*	6/30/2010	8:56	NA	2.08	2.27	-0.19	Boat Basin
BBSW-07*	6/30/2010	9:08	NA	6.83	1.86	4.97	Weir

Notes:

1 - Well Elevations obtained from 2007 survey or later and reference NAVD88 datum
MSL - Mean Sea Level
NS - Survey Data Not Available
NM - Not Measured
NC - Not Calculated
NA - Not Applicable
* - Surface Water Gauging Station

Table 3-4
Historic Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	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
BBMW-01S	5.0 - 15.0	NC	NC	12.33	NC	12.49	NC	12.70	13.34	13.09	12.38	12.67
BBMW-01I	32.0 - 42.0	NC	NC	12.29	NC	12.47	NC	12.69	13.32	13.07	12.35	12.65
BBMW-01D	68.5 - 78.5	NC	NC	12.33	NC	12.47	NC	12.75	14.40	13.12	12.37	12.68
BBMW-02S	5.0 - 15.0	NC	NC	11.45	11.29	11.34	NC	11.85	12.35	12.08	11.42	NC
BBMW-02I	30.0 - 40.0	NC	NC	11.42	11.26	11.32	NC	11.83	12.33	12.07	11.41	NC
BBMW-02D	73.0 - 83.0	NC	NC	11.40	11.24	11.30	NC	11.81	NC	12.05	11.38	NC
BBMW-03S	3.0 - 13.0	NC	NC	7.61	7.51	7.54	NC	8.05	8.23	8.25	7.46	7.74
BBMW-03I	30.0 - 40.0	NC	NC	7.60	7.52	7.53	NC	8.03	8.24	8.24	7.48	7.73
BBMW-03D	52.0 - 62.0	NC	NC	7.62	7.52	7.58	NC	8.08	8.27	8.26	7.45	7.77
BBMW-04D	63.0 - 73.0	NC	NC	13.55	13.28	13.98	12.03	14.10	14.57	14.40	13.54	13.96
BBMW-07S	5.0 - 15.0	NC	NC	5.29	5.16	5.58	NC	5.90	6.05	5.92	5.45	NC
BBMW-07I	30.0 - 40.0	NC	NC	5.28	5.13	5.60	NC	5.92	6.06	5.91	5.44	NC
BBMW-07D	55.0 - 65.0	NC	NC	5.29	5.14	5.59	NC	5.92	NC	5.91	5.47	NC
BBMW-15S	5.0 - 15.0	NC	NC	10.21	10.06	10.10	NC	10.57	10.93	10.71	10.15	10.46
BBMW-15I	35.0 - 45.0	NC	NC	10.06	10.02	10.07	NC	10.49	10.91	10.69	10.09	10.45
BBMW-15I2	23.0 - 28.0	NC	NC	10.14	9.89	9.93	NC	10.37	10.84	10.63	10.10	10.39
BBMW-15D	70.0 -80.0	NC	NC	10.16	10.01	10.06	NC	10.49	10.87	10.67	10.10	10.40
BBMW-16S	5.0 - 15.0	NC	NC	9.40	NC	NC	NC	12.82	NC	10.07	9.53	9.67
BBMW-16I	35.0 - 45.0	NC	NC	9.43	NC	NC	NC	9.85	10.28	10.10	9.56	9.70
BBMW-16D	68.0 - 78.0	NC	NC	9.42	NC	NC	NC	9.88	10.32	10.12	9.58	9.73
BBMW-23S	5.0 - 15.0	NC	NC	NC	NC	12.58	NC	13.16	13.78	13.51	12.80	13.09
BBMW-23I	33.0 - 43.0	NC	NC	NC	NC	12.62	NC	13.15	13.78	13.50	12.79	13.08
BBMW-23D	49.5 - 59.5	NC	NC	NC	NC	12.54	NC	13.16	13.78	13.52	12.80	13.10
BBMW-23D2	63.0 - 73.0	NC	NC	NC	NC	12.80	NC	13.19	13.81	13.46	12.82	13.10
BBMW-24S	4.0 - 14.0	NC	NC	NC	NC	10.36	NC	10.83	11.36	11.17	10.49	10.74
BBMW-24I	32.0 - 42.0	NC	NC	NC	NC	10.35	NC	10.83	11.36	11.15	10.48	10.74
BBMW-24D	59.5 - 69.5	NC	NC	NC	NC	10.36	NC	10.82	11.36	11.15	10.49	10.75
BBMW-25S	4.0 - 14.0	NC	NC	NC	NC	7.33	NC	7.85	8.22	8.03	7.32	7.60
BBMW-25I	25.0 - 35.0	NC	NC	NC	NC	7.36	NC	7.87	8.25	8.04	7.35	7.63
BBMW-25D	62.0 - 72.0	NC	NC	NC	NC	7.35	NC	NC	8.22	7.98	7.28	7.56
GM-03S	6.78 - 21.78	8.95	9.13	9.34	NC	9.53	NC	9.68	10.00	10.02	9.39	9.59
GM-03I	30.03 - 45.03	8.88	8.95	9.18	NC	9.35	NC	9.51	9.84	9.83	9.22	9.42
GM-03D	53.18 - 68.18	9.07	9.16	9.27	NC	9.45	NC	9.63	9.93	9.94	9.32	9.53
GM-05S	5.1 - 20.1	2.12	2.48	2.49	2.52	3.21	NC	3.35	2.80	3.21	2.62	2.49
GM-05I	35.05 - 48.05	2.28	2.69	2.59	2.62	3.37	NC	3.50	2.99	3.36	2.72	2.64
GM-05D	60.95 - 75.95	7.35	9.04	7.87	NC	7.03	NC	7.42	7.51	7.50	6.83	7.18
GM-06S	8.97 - 23.97	2.59	2.96	3.08	2.89	3.46	NC	3.77	3.72	3.70	3.33	2.90
GM-06I	35.40 - 40.40	2.60	2.97	3.08	2.93	3.57	NC	3.86	3.73	3.77	3.54	3.47
GM-06D	60.05 - 75.05	2.71	2.96	3.07	2.92	3.49	NC	3.79	3.73	3.72	3.35	2.91
GM-07S	9.75 - 24.75	1.40	2.17	2.15	2.01	2.49	NC	2.64	2.53	2.73	2.56	2.01
GM-07I	29.6 - 44.6	1.32	2.16	2.14	2.00	2.52	NC	2.85	2.52	2.75	2.57	2.06
GM-07D	50.3 - 65.3	1.52	2.17	2.14	NC	2.54	NC	2.67	2.58	3.76	2.58	2.04
GM-08S	6.35 - 21.35	0.37	0.64	0.54	0.61	1.34	NC	1.43	0.54	1.22	0.72	0.62
GM-08I	29.95 - 44.95	0.53	0.64	0.54	0.64	1.34	NC	1.45	0.56	1.22	0.71	0.63
GM-08D	48.25 - 63.25	0.26	0.67	0.55	0.62	1.38	NC	1.47	0.56	1.26	0.73	0.65

Table 3-4
Historic Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	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
GM-09S	20.0 - 25.0	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
GM-09I	40.0 - 45.0	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
GM-09D	48.35 - 63.35	0.02	0.47	0.45	0.41	1.24	NC	0.80	0.45	0.69	0.93	0.31
GM-10AD	unknown	NC	NC	NC	1.12	1.86	NC	1.92	1.62	1.82	1.76	1.08
GMP-01	25.0 - 30.0	NC	NC	NC	2.97	3.65	NC	3.78	3.26	3.66	3.07	3.04
GMP-02	18.0 - 23.0	NC	NC	NC	2.25	2.95	NC	3.05	2.44	2.91	2.36	2.24
GMP-04	15.5 - 20.5	NC	NC	NC	0.96	1.46	NC	1.18	0.47	1.40	1.01	1.11
MW-16AS	3.0 - 13.0	NC	NC	10.45	10.30	10.36	NC	10.82	11.21	10.99	10.44	NC

Table 3-4
Historic Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)										
		Apr-04	Aug-04	Oct-04	Feb-05	May-05	Aug-05	Nov-05	Feb-06	May-06	July/Aug-06	Nov-06
BBMW-01S	5.0 - 15.0	14.11	12.10	12.51	13.16	13.03	11.91	13.41	13.36	12.95	12.64	14.10
BBMW-01I	32.0 - 42.0	14.09	12.08	12.49	13.14	13.01	11.89	13.49	13.34	12.94	12.63	13.09
BBMW-01D	68.5 - 78.5	14.14	12.11	12.51	13.16	13.07	11.92	13.50	13.36	12.96	12.64	13.10
BBMW-02S	5.0 - 15.0	13.10	11.16	11.52	NC	12.06	10.99	12.45	12.36	12.00	11.62	12.12
BBMW-02I	30.0 - 40.0	13.08	11.15	11.50	NC	12.03	10.96	12.43	12.32	11.95	11.59	12.08
BBMW-02D	73.0 - 83.0	13.08	11.12	11.48	NC	12.01	10.93	12.41	12.31	11.95	11.58	12.06
BBMW-03S	3.0 - 13.0	9.01	7.42	7.72	8.25	8.09	7.36	8.43	8.29	8.00	7.65	8.19
BBMW-03I	30.0 - 40.0	8.97	7.41	7.72	8.24	8.09	7.75	8.82	8.29	8.00	7.64	7.99
BBMW-03D	52.0 - 62.0	8.99	7.44	7.75	8.26	8.12	7.35	8.44	8.31	8.03	NC	8.14
BBMW-04D	63.0 - 73.0	15.48	13.38	13.84	14.51	14.39	13.18	14.96	14.67	14.31	14.01	14.48
BBMW-07S	5.0 - 15.0	6.83	5.27	5.71	5.98	5.80	5.12	6.29	NC	5.75	5.52	5.89
BBMW-07I	30.0 - 40.0	6.83	5.26	5.72	5.98	5.83	5.13	6.29	NC	5.76	5.53	5.91
BBMW-07D	55.0 - 65.0	6.82	5.27	5.73	5.98	5.82	5.11	6.29	NC	5.77	5.51	5.94
BBMW-15S	5.0 - 15.0	11.72	9.86	10.18	10.84	10.69	9.71	11.09	10.98	10.66	10.23	10.75
BBMW-15I	35.0 - 45.0	11.71	9.84	10.16	10.81	10.67	9.66	11.03	10.91	10.61	10.18	10.73
BBMW-15I2	23.0 - 28.0	11.66	9.81	10.16	10.80	10.60	9.66	11.05	10.93	10.62	10.21	10.73
BBMW-15D	70.0 -80.0	11.76	9.82	10.15	10.80	10.63	9.66	11.04	10.92	10.62	10.19	10.71
BBMW-16S	5.0 - 15.0	10.79	9.28	9.73	10.15	10.05	9.04	10.45	10.30	10.00	14.62	10.10
BBMW-16I	35.0 - 45.0	10.82	9.32	9.76	10.15	10.08	9.05	10.47	10.33	10.02	9.63	10.14
BBMW-16D	68.0 - 78.0	10.86	9.31	9.75	10.18	10.06	9.03	10.46	10.32	10.01	9.62	10.12
BBMW-23S	5.0 - 15.0	14.55	12.51	12.93	NC	13.46	12.32	14.00	13.78	13.37	13.06	13.52
BBMW-23I	33.0 - 43.0	14.55	12.50	12.93	NC	13.46	12.31	13.92	13.79	13.38	13.07	13.51
BBMW-23D	49.5 - 59.5	14.55	12.53	12.94	NC	13.47	12.32	13.95	13.79	13.39	13.08	13.53
BBMW-23D2	63.0 - 73.0	14.57	12.52	12.96	NC	13.47	12.32	13.93	13.78	13.38	13.07	13.52
BBMW-24S	4.0 - 14.0	12.15	10.23	10.61	11.20	11.09	10.04	11.53	11.39	11.02	10.67	11.09
BBMW-24I	32.0 - 42.0	12.15	10.22	10.60	11.20	11.09	10.02	11.51	11.37	10.99	10.66	11.07
BBMW-24D	59.5 - 69.5	12.16	10.24	10.61	11.19	11.09	10.03	11.52	11.38	11.03	10.67	11.10
BBMW-25S	4.0 - 14.0	8.98	7.23	7.62	8.13	8.01	7.64	8.99	8.84	8.49	NC	8.55
BBMW-25I	25.0 - 35.0	8.99	7.25	7.64	8.16	8.02	7.66	8.99	8.84	8.49	NC	8.55
BBMW-25D	62.0 - 72.0	8.92	7.18	7.55	8.08	7.97	NC	8.99	NC	8.49	NC	8.55
GM-03S	6.78 - 21.78	10.83	9.14	9.53	NC	9.96	8.94	10.42	10.26	9.90	9.53	9.97
GM-03I	30.03 - 45.03	10.67	8.97	9.36	NC	9.80	8.76	10.24	10.09	9.73	9.36	9.80
GM-03D	53.18 - 68.18	10.77	9.07	9.46	NC	9.95	8.86	10.34	10.19	9.83	9.47	9.90
GM-05S	5.1 - 20.1	3.74	2.68	3.36	3.31	2.91	2.65	3.34	3.01	3.00	2.85	3.06
GM-05I	35.05 - 48.05	3.90	2.81	3.49	3.42	3.03	2.76	3.49	3.15	3.13	2.97	3.18
GM-05D	60.95 - 75.95	NC	8.97	7.58	7.72	7.50	6.56	7.87	7.81	8.23	8.72	7.61
GM-06S	8.97 - 23.97	4.58	3.14	3.69	3.73	3.52	3.06	4.10	3.69	3.50	3.48	3.79
GM-06I	35.40 - 40.40	4.59	3.16	3.70	3.74	3.57	3.08	4.10	3.70	3.52	3.48	3.80
GM-06D	60.05 - 75.05	4.58	3.15	3.70	3.74	3.54	3.07	4.11	3.70	3.52	3.48	3.79
GM-07S	9.75 - 24.75	3.34	2.34	3.01	2.80	2.58	2.36	3.04	2.63	2.64	2.60	2.88
GM-07I	29.6 - 44.6	3.35	2.32	3.00	2.79	2.63	2.34	3.03	2.62	2.64	2.59	2.87
GM-07D	50.3 - 65.3	3.36	2.33	3.02	2.81	2.63	2.34	3.44	2.62	2.65	2.61	2.87
GM-08S	6.35 - 21.35	1.41	1.08	1.74	1.46	0.83	0.89	1.35	0.95	1.04	1.01	1.06
GM-08I	29.95 - 44.95	1.11	1.09	1.76	1.46	0.86	0.91	1.35	0.96	1.04	1.02	1.06
GM-08D	48.25 - 63.25	1.48	1.14	1.77	1.48	0.88	0.93	1.39	0.96	1.03	1.02	1.06

Table 3-4
Historic Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)										
		Apr-04	Aug-04	Oct-04	Feb-05	May-05	Aug-05	Nov-05	Feb-06	May-06	July/Aug-06	Nov-06
GM-09S	20.0 - 25.0	1.15	0.66	1.41	1.17	0.74	0.65	0.94	0.62	0.79	0.81	0.88
GM-09I	40.0 - 45.0	1.17	0.67	1.43	1.17	0.74	0.65	0.95	0.63	0.80	0.83	0.89
GM-09D	48.35 - 63.35	1.16	0.67	1.41	1.17	0.75	0.65	0.96	0.64	0.79	0.82	0.89
GM-10AD	unknown	2.43	1.51	2.20	1.92	1.41	1.57	2.08	1.67	1.72	1.74	NC
GMP-01	25.0 - 30.0	4.18	3.15	3.78	3.73	3.35	3.08	3.77	3.47	3.44	3.28	3.47
GMP-02	18.0 - 23.0	3.37	2.40	3.15	3.04	2.58	2.41	3.03	2.69	2.70	2.57	2.73
GMP-04	15.5 - 20.5	1.17	0.93	2.11	1.72	1.02	1.37	1.73	1.19	1.23	1.42	1.09
MW-16AS	3.0 - 13.0	12.00	10.10	10.44	11.10	10.96	9.93	11.34	11.23	10.92	10.48	11.02

Table 3-4
Historic Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)										
		Jan-07	May-07	July/Aug-07	Oct/Nov-07	Jan-08	Apr/May-08	Aug-08	Nov-08	Jan-09	May-09	Jul-09
BBMW-01S	5.0 - 15.0	13.03	13.36	12.63	11.91	12.78	13.27	12.22	12.92	12.88	13.10	13.11
BBMW-01I	32.0 - 42.0	13.01	13.34	12.62	11.90	12.77	13.25	12.21	12.91	12.88	13.07	13.11
BBMW-01D	68.5 - 78.5	13.02	13.38	12.64	11.91	12.79	13.29	12.24	12.94	12.91	13.08	13.15
BBMW-02S	5.0 - 15.0	12.07	12.35	11.56	11.00	11.85	12.23	11.23	11.92	11.57	12.08	12.09
BBMW-02I	30.0 - 40.0	12.02	12.35	11.55	11.00	11.85	12.24	11.24	11.92	11.88	12.08	12.10
BBMW-02D	73.0 - 83.0	12.02	12.33	11.54	10.98	11.84	12.22	11.21	11.90	11.87	12.07	12.07
BBMW-03S	3.0 - 13.0	8.02	8.27	7.71	7.36	7.92	8.21	7.43	8.00	7.89	8.09	8.10
BBMW-03I	30.0 - 40.0	8.01	8.28	7.71	7.37	7.89	8.22	7.43	8.02	7.86	8.09	8.10
BBMW-03D	52.0 - 62.0	8.05	8.32	7.74	7.38	7.92	8.23	7.43	8.03	7.90	8.09	8.11
BBMW-04D	63.0 - 73.0	14.39	NC	NC	13.28	14.20	14.78	10.72	14.37	14.39	14.59	14.57
BBMW-07S	5.0 - 15.0	5.63	NC	NC	4.18	5.63	5.97	5.43	5.76	5.46	5.76	5.98
BBMW-07I	30.0 - 40.0	5.63	NC	NC	5.16	5.57	5.96	5.43	5.77	5.46	5.86	5.96
BBMW-07D	55.0 - 65.0	5.64	NC	NC	5.15	5.62	5.98	5.45	5.76	5.46	5.75	5.96
BBMW-15S	5.0 - 15.0	10.71	11.01	10.26	9.81	10.57	10.91	9.93	10.63	10.57	10.75	10.76
BBMW-15I	35.0 - 45.0	10.66	10.98	10.27	9.78	10.54	10.85	9.90	10.55	10.55	10.72	10.75
BBMW-15I2	23.0 - 28.0	10.67	10.98	10.19	9.77	10.60	10.87	9.90	10.60	10.49	10.68	10.70
BBMW-15D	70.0 -80.0	10.67	10.96	10.22	9.77	10.54	10.86	9.89	10.57	10.51	10.67	10.73
BBMW-16S	5.0 - 15.0	10.02	10.28	9.56	9.14	9.80	10.14	9.29	9.87	9.85	10.09	10.14
BBMW-16I	35.0 - 45.0	10.06	10.32	9.58	9.16	9.77	10.18	9.31	9.89	9.89	10.09	15.14
BBMW-16D	68.0 - 78.0	10.06	10.32	9.56	9.15	9.82	10.23	9.36	9.94	9.92	10.53	10.19
BBMW-23S	5.0 - 15.0	13.48	13.76	10.35	12.31	13.19	13.67	12.62	13.34	13.25	13.37	13.49
BBMW-23I	33.0 - 43.0	13.47	13.76	10.48	12.31	13.19	13.68	12.62	13.33	13.24	13.46	13.49
BBMW-23D	49.5 - 59.5	13.49	13.81	10.29	12.28	13.19	13.71	12.65	13.36	13.26	13.86	13.51
BBMW-23D2	63.0 - 73.0	13.48	13.76	10.31	12.31	13.16	13.68	12.62	13.36	13.27	13.16	13.48
BBMW-24S	4.0 - 14.0	11.06	11.41	9.41	10.12	10.86	11.32	10.37	11.27	11.16	11.10	11.43
BBMW-24I	32.0 - 42.0	11.04	11.43	9.44	10.11	10.82	11.30	10.36	11.09	10.97	11.21	11.24
BBMW-24D	59.5 - 69.5	11.07	11.43	9.44	10.13	10.88	11.31	10.35	11.04	10.90	11.26	11.15
BBMW-25S	4.0 - 14.0	8.53	8.84	NC	7.78	8.37	8.77	NC	8.43	8.30	8.60	NC
BBMW-25I	25.0 - 35.0	8.55	8.86	NC	NC	NC	NC	NC	8.40	8.32	8.57	NC
BBMW-25D	62.0 - 72.0	8.52	8.83	NC	7.76	8.46	8.75	NC	8.45	8.36	8.56	NC
GM-03S	6.78 - 21.78	9.92	10.18	9.44	8.97	9.64	10.08	9.15	NC	NC	NC	NC
GM-03I	30.03 - 45.03	9.75	10.17	9.43	8.98	9.64	10.06	9.13	NC	NC	NC	NC
GM-03D	53.18 - 68.18	9.86	10.19	9.46	8.97	9.67	10.08	9.16	NC	NC	NC	NC
GM-05S	5.1 - 20.1	2.82	3.08	2.94	2.59	2.98	3.20	2.88	2.89	2.64	3.04	3.12
GM-05I	35.05 - 48.05	2.96	3.21	3.08	2.71	3.22	3.39	3.02	3.08	2.83	3.17	3.33
GM-05D	60.95 - 75.95	7.59	7.76	6.96	6.83	7.54	NC	NC	7.66	7.66	7.66	7.87
GM-06S	8.97 - 23.97	3.29	3.73	3.44	3.07	3.39	3.71	3.35	3.58	3.14	3.64	3.77
GM-06I	35.40 - 40.40	3.30	3.75	3.45	3.08	3.39	3.72	3.36	3.60	3.16	3.65	3.75
GM-06D	60.05 - 75.05	3.30	3.74	3.45	3.08	3.38	3.70	3.37	3.59	3.17	3.67	3.75
GM-07S	9.75 - 24.75	2.42	2.71	2.62	2.30	2.54	2.73	2.57	2.57	2.20	2.70	2.86
GM-07I	29.6 - 44.6	2.41	2.69	2.60	2.30	2.50	2.72	2.56	2.56	2.20	2.68	2.83
GM-07D	50.3 - 65.3	2.43	2.70	2.61	2.31	2.55	2.72	2.57	2.57	2.20	2.70	2.83
GM-08S	6.35 - 21.35	0.79	0.96	1.02	0.72	1.08	1.13	0.99	0.79	0.57	1.21	1.48
GM-08I	29.95 - 44.95	0.79	0.97	1.02	0.73	1.04	1.13	1.00	0.79	0.58	1.22	1.16
GM-08D	48.25 - 63.25	0.79	0.96	1.02	0.62	1.09	1.13	1.00	0.79	0.58	1.21	1.20

Table 3-4
Historic Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)										
		Jan-07	May-07	July/Aug-07	Oct/Nov-07	Jan-08	Apr/May-08	Aug-08	Nov-08	Jan-09	May-09	Jul-09
GM-09S	20.0 - 25.0	0.58	0.75	0.95	0.72	0.96	0.89	0.92	0.68	0.34	1.08	0.90
GM-09I	40.0 - 45.0	0.60	0.76	0.96	0.73	0.92	0.90	0.92	0.70	0.34	1.07	0.90
GM-09D	48.35 - 63.35	0.59	0.76	0.96	0.72	0.95	0.90	0.93	0.70	0.36	1.07	0.91
GM-10AD	unknown	1.43	1.76	1.80	1.50	1.70	1.83	1.75	1.66	1.22	1.79	1.94
GMP-01	25.0 - 30.0	3.33	3.50	3.33	3.00	3.43	3.66	3.27	3.30	3.06	NC	3.57
GMP-02	18.0 - 23.0	2.59	2.74	2.55	2.30	2.72	2.89	2.58	2.55	2.31	2.74	2.83
GMP-04	15.5 - 20.5	1.51	1.06	1.63	1.41	1.28	1.00	1.65	1.09	0.70	1.39	1.29
MW-16AS	3.0 - 13.0	10.98	11.27	10.47	10.11	10.92	11.16	10.22	10.92	10.88	11.22	11.05

Table 3-4
Historic Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)						
		Oct-09	Jan-10	Apr-10	Jul-10	Minimum	Average	Maximum
BBMW-01S	5.0 - 15.0	12.29	13.41	14.73	12.27	11.91	12.91	14.73
BBMW-01I	32.0 - 42.0	12.30	13.43	14.74	12.27	11.89	12.87	14.74
BBMW-01D	68.5 - 78.5	12.34	13.43	14.74	12.29	11.91	12.93	14.74
BBMW-02S	5.0 - 15.0	11.27	12.39	13.60	11.22	10.99	11.86	13.60
BBMW-02I	30.0 - 40.0	11.26	12.39	13.59	11.21	10.96	11.86	13.59
BBMW-02D	73.0 - 83.0	11.22	12.34	13.60	11.21	10.93	11.82	13.60
BBMW-03S	3.0 - 13.0	7.43	8.28	9.68	7.39	7.36	7.96	9.68
BBMW-03I	30.0 - 40.0	7.47	8.28	9.68	7.39	7.37	7.97	9.68
BBMW-03D	52.0 - 62.0	7.45	8.29	9.70	7.39	7.35	7.98	9.70
BBMW-04D	63.0 - 73.0	13.15	14.74	16.04	13.67	10.72	14.05	16.04
BBMW-07S	5.0 - 15.0	5.39	6.05	7.77	5.28	4.18	5.73	7.77
BBMW-07I	30.0 - 40.0	5.38	6.03	7.76	5.28	5.13	5.76	7.76
BBMW-07D	55.0 - 65.0	5.37	6.03	7.73	5.29	5.11	5.75	7.73
BBMW-15S	5.0 - 15.0	9.92	11.42	12.16	9.87	9.71	10.56	12.16
BBMW-15I	35.0 - 45.0	9.92	11.02	12.13	9.84	9.66	10.52	12.13
BBMW-15I2	23.0 - 28.0	9.86	10.99	12.09	9.77	9.66	10.49	12.09
BBMW-15D	70.0 -80.0	9.87	11.00	12.11	9.82	9.66	10.51	12.11
BBMW-16S	5.0 - 15.0	9.46	10.19	11.39	9.33	9.04	10.15	14.62
BBMW-16I	35.0 - 45.0	9.45	10.38	11.45	9.34	9.05	10.08	15.14
BBMW-16D	68.0 - 78.0	9.48	10.42	11.48	9.38	9.03	9.96	11.48
BBMW-23S	5.0 - 15.0	12.67	13.75	15.14	12.63	10.35	13.21	15.14
BBMW-23I	33.0 - 43.0	12.61	13.73	15.09	12.60	10.48	13.21	15.09
BBMW-23D	49.5 - 59.5	12.69	13.76	15.13	12.63	10.29	13.23	15.13
BBMW-23D2	63.0 - 73.0	12.66	13.80	15.13	12.61	10.31	13.21	15.13
BBMW-24S	4.0 - 14.0	10.50	11.71	12.89	10.56	9.41	10.97	12.89
BBMW-24I	32.0 - 42.0	10.40	11.46	12.70	10.40	9.44	10.93	12.70
BBMW-24D	59.5 - 69.5	10.31	11.46	12.63	10.31	9.44	10.93	12.63
BBMW-25S	4.0 - 14.0	NC	8.75	10.40	NC	7.23	8.29	10.40
BBMW-25I	25.0 - 35.0	NC	8.79	10.37	NC	7.25	8.30	10.37
BBMW-25D	62.0 - 72.0	NC	8.90	10.35	NC	7.18	8.31	10.35
GM-03S	6.78 - 21.78	NC	NC	NC	NC	8.94	9.67	10.83
GM-03I	30.03 - 45.03	NC	NC	NC	NC	8.76	9.54	10.67
GM-03D	53.18 - 68.18	NC	NC	NC	NC	8.86	9.64	10.77
GM-05S	5.1 - 20.1	2.80	3.03	4.57	2.73	2.12	2.96	4.57
GM-05I	35.05 - 48.05	3.06	3.27	4.82	2.88	2.28	3.11	4.82
GM-05D	60.95 - 75.95	7.10	7.87	7.87	7.05	6.56	7.62	9.04
GM-06S	8.97 - 23.97	3.31	3.82	5.56	3.24	2.59	3.52	5.56
GM-06I	35.40 - 40.40	3.31	3.85	5.57	3.25	2.60	3.56	5.57
GM-06D	60.05 - 75.05	3.32	3.82	5.57	3.24	2.71	3.53	5.57
GM-07S	9.75 - 24.75	2.46	2.81	4.41	2.49	1.40	2.59	4.41
GM-07I	29.6 - 44.6	2.42	2.79	4.39	2.47	1.32	2.59	4.39
GM-07D	50.3 - 65.3	2.38	2.77	4.36	2.48	1.52	2.65	4.36
GM-08S	6.35 - 21.35	1.02	1.16	2.81	0.94	0.37	1.04	2.81
GM-08I	29.95 - 44.95	1.04	1.17	2.81	0.74	0.53	1.03	2.81
GM-08D	48.25 - 63.25	0.86	1.20	2.80	0.74	0.26	1.04	2.80

Table 3-4
Historic Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)						
		Oct-09	Jan-10	Apr-10	Jul-10	Minimum	Average	Maximum
GM-09S	20.0 - 25.0	0.78	0.76	1.63	0.86	0.26	0.69	1.63
GM-09I	40.0 - 45.0	0.88	0.74	1.73	0.86	0.26	0.70	1.73
GM-09D	48.35 - 63.35	0.78	0.77	1.73	0.87	0.02	0.80	1.73
GM-10AD	unknown	1.61	1.82	3.43	1.65	1.08	1.76	3.43
GMP-01	25.0 - 30.0	3.17	3.48	5.4	3.14	2.97	3.46	5.40
GMP-02	18.0 - 23.0	2.77	2.79	4.76	2.44	2.24	2.74	4.76
GMP-04	15.5 - 20.5	1.01	1.50	2.80	0.95	0.47	1.30	2.80
MW-16AS	3.0 - 13.0	10.31	11.37	12.48	10.16	9.93	10.84	12.48

Table 3-4
Historic Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)									
		Nov-05	Feb-06	May-06	Jul/Aug-06	Nov-06	Jan-07	May-07	Jul/Aug-07	Oct/Nov-07	Jan-08
OU2-IW01S	3.0 - 8.0	NC	NC	NC	NC	NC	NC	NC	NC	2.50	2.91
OU2MW-01WT	3.0 - 8.0	NC	NC	NC	NC	NC	NC	NC	NC	7.74	8.29
OU2MW-01S	20.0 - 25.0	8.79	8.62	8.30	NC	8.37	8.30	8.58	NC	7.56	8.12
OU2MW-01I	35.0 - 40.0	8.82	8.65	8.28	NC	9.96	8.32	8.61	NC	7.56	8.17
OU2MW-01I2	50.0 - 55.0	8.78	8.62	8.30	NC	8.36	8.40	8.59	NC	7.55	8.14
OU2MW-01D	65.0 - 70.0	10.24	10.16	9.79	NC	8.23	9.89	10.06	NC	8.95	9.58
OU2MW-02S	20.0 - 25.0	8.68	8.66	8.21	NC	8.31	8.31	8.51	NC	7.50	8.07
OU2MW-02I	35.0 - 40.0	8.68	8.52	8.22	NC	8.26	8.23	8.51	NC	7.52	8.10
OU2MW-02I2	50.0 - 55.0	8.67	8.51	8.21	NC	8.25	8.22	8.51	NC	7.10	8.08
OU2MW-02D	65.0 - 70.0	8.87	8.74	8.41	NC	8.47	8.42	8.68	NC	7.71	8.28
OU2MW-03S	20.0 - 25.0	7.23	7.01	6.73	NC	6.80	6.69	7.01	NC	6.12	6.62
OU2MW-03I	35.0 - 40.0	7.25	7.03	6.75	NC	6.84	6.71	7.03	NC	6.14	6.64
OU2MW-03I2	50.0 - 55.0	7.23	7.01	6.74	NC	6.79	6.69	7.02	NC	6.12	6.62
OU2MW-03D	65.0 - 70.0	8.99	8.95	8.63	NC	6.75	8.85	8.95	NC	7.91	8.28
OU2MW-04WT	3.0 - 8.0	NC	NC	NC	NC	NC	NC	NC	NC	5.91	6.41
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
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
OU2MW-04I2	50.0 - 55.0	6.96	6.72	6.49	NC	6.57	6.43	6.74	6.26	5.90	6.39
OU2MW-04D	65.0 - 70.0	6.99	6.75	6.51	NC	6.60	6.47	6.77	6.28	6.06	6.41
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
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
OU2MW-06S	3.0 - 8.0	NC	NC	NC	NC	NC	NC	NC	NC	2.05	2.16
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
OU2MW-07S	3.0 - 8.0	NC	NC	NC	NC	NC	NC	NC	NC	1.96	2.04
OU2MW-08WT	3.0 - 8.0	NC	NC	NC	NC	NC	NC	NC	NC	7.87	8.51
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
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
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
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
OU2MW-09	20.0 - 30.0	8.42	8.28	7.99	NC	8.04	8.02	8.27	7.71	7.37	7.93
OU2MW-10S	3.0 - 7.0	NC	NC	NC	NC	NC	NC	NC	NC	2.00	2.42
OU2MW-10I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	2.01	2.42
OU2MW-10D	35.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	1.99	2.38
OU2MW-11S	3.0 - 8.0	NC	NC	NC	NC	NC	NC	NC	NC	3.29	3.65
OU2MW-11I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	3.26	3.67
OU2MW-11I2	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	3.24	3.68
OU2MW-11D	40.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	3.23	3.63
OU2MW-12S	3.0 - 7.0	NC	NC	NC	NC	NC	NC	NC	NC	2.64	3.05
OU2MW-12I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	2.70	3.08
OU2MW-12I2	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	2.70	2.97
OU2MW-12D	40.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	2.67	3.06
OU2MW-13S	3.0 - 8.0	NC	NC	NC	NC	NC	NC	NC	NC	1.82	2.16
OU2MW-13I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	1.79	2.08
OU2MW-13D	35.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	1.79	2.00
OU2MW-14S	3.0 - 8.0	NC	NC	NC	NC	NC	NC	NC	NC	7.64	7.76
OU2MW-14I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-14I2	40.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-15S	3.0 - 8.0	NC	NC	NC	NC	NC	NC	NC	NC	2.04	2.45
OU2MW-15I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	2.05	2.43
OU2MW-15I2	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	2.06	2.41

Table 3-4
Historic Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)									
		Nov-05	Feb-06	May-06	Jul/Aug-06	Nov-06	Jan-07	May-07	Jul/Aug-07	Oct/Nov-07	Jan-08
OU2MW-15D	40.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	2.06	2.46
OU2MW-16S	3.0 - 8.0	NC	NC	NC	NC	NC	NC	NC	NC	2.14	2.59
OU2MW-16I	15.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	NC	2.12	2.56
OU2MW-16I2	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	2.13	2.51
OU2MW-16D	35.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	2.14	2.56
OU2MW-39S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-39I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-39I2	45.0 - 50.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-39D	70.0 - 75.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-52S	3.0 - 8.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-52I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-52D	35.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-53S	3.0 - 8.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-53I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-53D	35.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

Table 3-4
Historic Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)									
		Apr/May-08	Aug-08	Nov-08	Jan-09	May-09	Jul-09	Oct-09	Jan-10	Apr-10	Jul-10
OU2-IW01S	3.0 - 8.0	2.97	2.77	2.74	2.57	2.97	2.99	2.68	2.99	4.97	2.70
OU2MW-01WT	3.0 - 8.0	8.70	NC	8.42	8.30	8.53	NC	7.82	8.81	10.29	NC
OU2MW-01S	20.0 - 25.0	8.51	NC	8.28	8.15	8.36	NC	7.70	8.61	10.18	NC
OU2MW-01I	35.0 - 40.0	8.52	NC	8.28	8.19	8.43	NC	7.72	8.52	10.25	NC
OU2MW-01I2	50.0 - 55.0	8.47	NC	8.27	8.13	8.33	NC	7.66	8.58	9.16	NC
OU2MW-01D	65.0 - 70.0	9.98	NC	9.70	9.61	9.84	NC	9.15	10.14	11.74	NC
OU2MW-02S	20.0 - 25.0	8.43	NC	8.21	8.08	8.28	NC	7.63	8.53	9.99	NC
OU2MW-02I	35.0 - 40.0	8.42	NC	8.21	8.12	8.29	NC	7.63	8.52	10.03	NC
OU2MW-02I2	50.0 - 55.0	8.41	NC	8.21	8.08	8.26	NC	7.60	8.51	9.99	NC
OU2MW-02D	65.0 - 70.0	8.62	NC	8.42	8.30	8.47	NC	7.83	8.73	10.14	NC
OU2MW-03S	20.0 - 25.0	7.01	NC	6.67	6.62	6.84	NC	6.26	7.08	8.84	NC
OU2MW-03I	35.0 - 40.0	7.02	NC	6.72	6.59	6.80	NC	6.27	7.10	8.86	NC
OU2MW-03I2	50.0 - 55.0	7.01	NC	6.68	6.52	6.78	NC	6.25	6.74	8.32	NC
OU2MW-03D	65.0 - 70.0	8.84	NC	8.50	7.17	8.67	NC	8.04	8.83	10.63	NC
OU2MW-04WT	3.0 - 8.0	6.53	6.12	6.50	6.32	6.57	6.63	6.06	6.74	8.55	6.04
OU2MW-04S	20.0 - 25.0	6.71	6.12	6.50	6.27	5.60	6.60	6.06	6.77	8.37	6.00
OU2MW-04I	35.0 - 40.0	6.73	6.19	6.52	6.33	6.57	6.63	6.05	6.81	8.58	5.99
OU2MW-04I2	50.0 - 55.0	6.73	6.13	6.52	6.30	6.56	6.62	6.03	6.74	8.55	5.88
OU2MW-04D	65.0 - 70.0	6.74	6.14	6.52	6.25	6.56	6.63	6.02	6.78	8.56	5.99
OU2MW-05	25.0 - 35.0	4.29	3.92	4.05	3.80	-1.05	4.22	3.83	4.28	6.14	3.83
OU2MW-06	25.0 - 35.0	2.16	2.32	2.07	1.66	2.27	2.26	2.03	2.37	4.11	1.93
OU2MW-06S	3.0 - 8.0	2.22	2.35	2.09	1.70	2.25	2.22	2.02	2.38	4.07	1.96
OU2MW-07	15.0 - 25.0	1.89	2.17	1.80	1.45	2.06	1.47	1.75	2.14	3.79	1.72
OU2MW-07S	3.0 - 8.0	1.94	2.22	1.85	1.50	2.11	2.02	1.87	2.22	3.67	1.75
OU2MW-08WT	3.0 - 8.0	8.87	8.04	8.63	8.52	8.74	8.72	8.03	8.98	10.26	7.95
OU2MW-08S	20.0 - 25.0	8.86	8.04	8.62	8.52	8.71	8.74	8.00	8.90	10.28	7.97
OU2MW-08I	35.0 - 40.0	8.86	8.02	8.61	8.49	8.71	8.74	8.00	8.97	10.24	7.92
OU2MW-08I2	50.0 - 55.0	9.58	8.06	8.64	8.52	8.72	8.74	8.53	8.99	10.27	7.96
OU2MW-08D	65.0 - 70.0	9.72	8.75	9.45	9.42	9.54	9.58	8.82	9.83	11.06	8.69
OU2MW-09	20.0 - 30.0	8.20	7.47	8.00	7.89	8.08	8.11	7.45	8.30	9.67	7.35
OU2MW-10S	3.0 - 7.0	2.60	2.38	2.37	1.99	2.41	2.52	2.29	2.35	4.52	2.15
OU2MW-10I	20.0 - 25.0	2.61	2.35	2.36	1.76	2.47	2.54	2.25	2.32	4.55	2.14
OU2MW-10D	35.0 - 40.0	2.60	2.33	2.34	1.97	2.41	2.52	2.20	2.32	4.50	2.19
OU2MW-11S	3.0 - 8.0	3.92	3.58	3.68	3.42	3.75	3.83	3.51	3.84	5.83	3.42
OU2MW-11I	20.0 - 25.0	3.89	3.57	3.65	3.38	3.75	3.81	3.44	3.84	5.76	3.33
OU2MW-11I2	30.0 - 35.0	3.86	3.55	3.62	3.25	3.71	3.76	3.46	3.81	5.75	3.38
OU2MW-11D	40.0 - 45.0	3.85	3.54	3.61	3.35	3.72	3.77	3.55	3.80	5.70	3.36
OU2MW-12S	3.0 - 7.0	3.24	3.01	2.88	2.63	3.23	3.12	2.74	3.03	5.02	2.79
OU2MW-12I	20.0 - 25.0	3.34	3.05	3.00	2.69	3.19	3.29	2.87	3.29	5.18	2.83
OU2MW-12I2	30.0 - 35.0	3.27	3.03	2.91	2.61	3.13	3.16	3.01	3.20	5.07	2.80
OU2MW-12D	40.0 - 45.0	3.26	3.02	2.91	2.62	3.15	3.15	2.84	3.19	5.04	2.80
OU2MW-13S	3.0 - 8.0	2.27	2.29	1.96	1.64	2.23	2.13	1.92	2.23	3.72	1.89
OU2MW-13I	20.0 - 25.0	2.21	2.30	1.95	1.61	2.15	2.09	1.89	2.30	3.70	1.83
OU2MW-13D	35.0 - 40.0	2.20	2.29	1.94	1.58	2.12	2.08	1.85	2.25	3.68	1.83
OU2MW-14S	3.0 - 8.0	8.63	7.78	8.35	8.21	8.52	8.54	7.85	8.78	10.06	7.81
OU2MW-14I	20.0 - 25.0	NC	8.04	8.61	8.47	8.75	8.77	8.13	9.00	10.30	7.99
OU2MW-14I2	40.0 - 45.0	NC	8.05	8.61	8.46	8.74	8.80	8.09	9.01	10.35	7.99
OU2MW-15S	3.0 - 8.0	2.64	2.37	2.37	2.00	2.44	2.56	2.29	2.40	4.58	2.22
OU2MW-15I	20.0 - 25.0	2.63	2.37	2.38	2.02	2.47	2.59	2.49	2.41	4.58	2.24
OU2MW-15I2	30.0 - 35.0	2.65	2.37	2.39	2.00	2.40	2.59	2.26	2.43	4.56	2.23

Table 3-4
Historic Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)									
		Apr/May-08	Aug-08	Nov-08	Jan-09	May-09	Jul-09	Oct-09	Jan-10	Apr-10	Jul-10
OU2MW-15D	40.0 - 45.0	2.66	2.37	2.39	2.02	2.45	2.60	2.30	2.40	4.53	2.26
OU2MW-16S	3.0 - 8.0	2.83	2.55	2.55	2.11	2.66	2.69	2.41	2.58	4.73	2.34
OU2MW-16I	15.0 - 20.0	2.75	2.48	2.47	2.16	2.58	2.67	2.35	2.49	4.63	2.26
OU2MW-16I2	25.0 - 30.0	2.77	2.49	2.48	2.04	2.56	2.65	2.33	2.50	4.66	2.30
OU2MW-16D	35.0 - 40.0	2.75	2.48	2.48	2.15	2.58	2.66	2.39	2.50	4.67	2.28
OU2MW-39S	5.0 - 15.0	NC	NC	NC	NC	NC	12.78	11.47	12.52	13.88	11.43
OU2MW-39I	25.0 - 30.0	NC	NC	NC	NC	NC	12.26	11.43	12.46	13.86	11.44
OU2MW-39I2	45.0 - 50.0	NC	NC	NC	NC	NC	15.26	11.48	12.46	13.86	11.42
OU2MW-39D	70.0 - 75.0	NC	NC	NC	NC	NC	12.27	11.45	12.45	13.85	11.43
OU2MW-52S	3.0 - 8.0	NC	NC	NC	NC	NC	NC	NC	NC	3.17	1.47
OU2MW-52I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	3.36	1.46
OU2MW-52D	35.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	3.35	1.44
OU2MW-53S	3.0 - 8.0	NC	NC	NC	NC	NC	NC	NC	NC	3.12	1.13
OU2MW-53I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	2.31	1.13
OU2MW-53D	35.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	1.14

Table 3-4
Historic Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)		
		Minimum	Average	Maximum
OU2-IW01S	3.0 - 8.0	2.50	2.98	4.97
OU2MW-01WT	3.0 - 8.0	7.74	8.54	10.29
OU2MW-01S	20.0 - 25.0	7.56	8.43	10.18
OU2MW-01I	35.0 - 40.0	7.56	8.55	10.25
OU2MW-01I2	50.0 - 55.0	7.55	8.36	9.16
OU2MW-01D	65.0 - 70.0	8.23	9.80	11.74
OU2MW-02S	20.0 - 25.0	7.50	8.36	9.99
OU2MW-02I	35.0 - 40.0	7.52	8.35	10.03
OU2MW-02I2	50.0 - 55.0	7.10	8.31	9.99
OU2MW-02D	65.0 - 70.0	7.71	8.54	10.14
OU2MW-03S	20.0 - 25.0	6.12	6.90	8.84
OU2MW-03I	35.0 - 40.0	6.14	6.92	8.86
OU2MW-03I2	50.0 - 55.0	6.12	6.83	8.32
OU2MW-03D	65.0 - 70.0	6.75	8.53	10.63
OU2MW-04WT	3.0 - 8.0	5.91	6.53	8.55
OU2MW-04S	20.0 - 25.0	5.60	6.49	8.37
OU2MW-04I	35.0 - 40.0	5.94	6.56	8.58
OU2MW-04I2	50.0 - 55.0	5.88	6.55	8.55
OU2MW-04D	65.0 - 70.0	5.99	6.58	8.56
OU2MW-05	25.0 - 35.0	-1.05	3.89	6.14
OU2MW-06	25.0 - 35.0	1.66	2.26	4.11
OU2MW-06S	3.0 - 8.0	1.70	2.29	4.07
OU2MW-07	15.0 - 25.0	1.45	2.02	3.79
OU2MW-07S	3.0 - 8.0	1.50	2.10	3.67
OU2MW-08WT	3.0 - 8.0	7.87	8.59	10.26
OU2MW-08S	20.0 - 25.0	7.85	8.62	10.28
OU2MW-08I	35.0 - 40.0	7.87	8.62	10.24
OU2MW-08I2	50.0 - 55.0	7.89	8.71	10.27
OU2MW-08D	65.0 - 70.0	8.69	9.45	11.06
OU2MW-09	20.0 - 30.0	7.35	8.03	9.67
OU2MW-10S	3.0 - 7.0	1.99	2.50	4.52
OU2MW-10I	20.0 - 25.0	1.76	2.48	4.55
OU2MW-10D	35.0 - 40.0	1.97	2.48	4.50
OU2MW-11S	3.0 - 8.0	3.29	3.81	5.83
OU2MW-11I	20.0 - 25.0	3.26	3.78	5.76
OU2MW-11I2	30.0 - 35.0	3.24	3.76	5.75
OU2MW-11D	40.0 - 45.0	3.23	3.76	5.70
OU2MW-12S	3.0 - 7.0	2.63	3.12	5.02
OU2MW-12I	20.0 - 25.0	2.69	3.21	5.18
OU2MW-12I2	30.0 - 35.0	2.61	3.16	5.07
OU2MW-12D	40.0 - 45.0	2.62	3.14	5.04
OU2MW-13S	3.0 - 8.0	1.64	2.19	3.72
OU2MW-13I	20.0 - 25.0	1.61	2.16	3.70
OU2MW-13D	35.0 - 40.0	1.58	2.13	3.68
OU2MW-14S	3.0 - 8.0	7.64	8.33	10.06
OU2MW-14I	20.0 - 25.0	7.99	8.67	10.30
OU2MW-14I2	40.0 - 45.0	7.99	8.68	10.35
OU2MW-15S	3.0 - 8.0	2.00	2.53	4.58
OU2MW-15I	20.0 - 25.0	2.02	2.56	4.58
OU2MW-15I2	30.0 - 35.0	2.00	2.53	4.56

Table 3-4
Historic Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)		
		Minimum	Average	Maximum
OU2MW-15D	40.0 - 45.0	2.02	2.54	4.53
OU2MW-16S	3.0 - 8.0	2.11	2.68	4.73
OU2MW-16I	15.0 - 20.0	2.12	2.63	4.63
OU2MW-16I2	25.0 - 30.0	2.04	2.62	4.66
OU2MW-16D	35.0 - 40.0	2.14	2.64	4.67
OU2MW-39S	5.0 - 15.0	11.43	12.42	13.88
OU2MW-39I	25.0 - 30.0	11.43	12.29	13.86
OU2MW-39I2	45.0 - 50.0	11.42	12.90	15.26
OU2MW-39D	70.0 - 75.0	11.43	12.29	13.85
OU2MW-52S	3.0 - 8.0	1.47	2.32	3.17
OU2MW-52I	20.0 - 25.0	1.46	2.41	3.36
OU2MW-52D	35.0 - 40.0	1.44	2.40	3.35
OU2MW-53S	3.0 - 8.0	1.13	2.13	3.12
OU2MW-53I	20.0 - 25.0	1.13	1.72	2.31
OU2MW-53D	35.0 - 40.0	1.14	1.14	1.14

Notes:
NC - Not Calculated
bgs - below ground surface
Well Elevations obtained from 2007 survey or later and reference NAVD88 datum

Table 3-5
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	6/30/2010	13:16	2.00	21.93	7.80	14.13	
BBMW-09I	6/30/2010	13:18	2.00	22.01	7.75	14.26	
BBMW-09D	6/30/2010	13:20	2.00	22.43	8.19	14.24	
BBMW-28S	6/30/2010	8:26	2.00	16.43	3.17	13.26	
BBMW-28I	6/30/2010	8:27	2.00	16.43	3.19	13.24	
BBMW-29	6/30/2010	9:33	0.50	15.82	4.38	11.44	
BBMW-30S	6/30/2010	10:38	2.00	16.02	2.77	13.25	
BBMW-30I	6/30/2010	10:39	2.00	15.69	2.45	13.24	
BBMW-30D	6/30/2010	10:39	2.00	16.53	3.31	13.22	
BBMW-31S	6/30/2010	8:44	2.00	13.49	3.09	10.40	
BBMW-31I	6/30/2010	8:45	2.00	13.33	2.95	10.38	
BBMW-31D	6/30/2010	8:45	2.00	13.37	2.98	10.39	
BBMW-32S	6/30/2010	10:25	2.00	14.44	2.69	11.75	
BBMW-32I	6/30/2010	10:25	2.00	15.50	2.76	12.74	
BBMW-32D	6/30/2010	10:26	2.00	14.54	2.83	11.71	
BBMW-33	6/30/2010	10:57	2.00	16.58	3.77	12.81	
GM-02AS	6/30/2010	9:57	1.25	20.79	10.82	9.97	
GM-02AI	6/30/2010	9:58	1.25	20.75	10.75	10.00	
GM-02AD	6/30/2010	9:59	1.25	20.74	10.61	10.13	
MW-01S	6/30/2010	14:29	4.00	19.34	3.73	15.61	
MW-01D	6/30/2010	14:30	4.00	19.48	3.83	15.65	
MW-03	6/30/2010	13:41	4.00	19.30	4.29	15.01	
MW-04	6/30/2010	13:35	4.00	19.16	4.45	14.71	
MW-29S	6/30/2010	9:19	2.00	18.34	3.05	15.29	
MW-29D	6/30/2010	9:20	2.00	18.44	3.15	15.29	
MW-30WR	6/30/2010	9:26	2.00	14.83	2.78	12.05	
MW-32W/WR	6/30/2010	9:22	0.50	14.65	2.09	12.56	
MW-34S	6/30/2010	11:10	0.75	15.69	2.71	12.98	
MW-34I	6/30/2010	11:11	0.75	15.73	2.78	12.95	
MW-34D	6/30/2010	11:12	1.00	15.58	2.63	12.95	
MW-45W	6/30/2010	10:51	0.75	15.20	2.02	13.18	
MW-46W-R	6/30/2010	NM	0.75	NM	NM	NC	
MW-64	6/30/2010	14:39	2.00	16.10	2.14	13.96	
MW-65	6/30/2010	NM	2.00	NM	NM	NC	
MW-70/70S	6/30/2010	NM	2.00	NM	NM	NC	
MW-71/71S	6/30/2010	NM	2.00	NM	NM	NC	
MW-73	6/30/2010	NM	2.00	NM	NM	NC	
MW-75	6/30/2010	NM	2.00	NM	NM	NC	
MW-76	6/30/2010	NM	2.00	NM	NM	NC	
MW-78	6/30/2010	NM	4.00	NM	NM	NC	
MW-79	6/30/2010	NM	4.00	NM	NM	NC	
MW-80	6/30/2010	NM	4.00	NM	NM	NC	
MW-81	6/30/2010	NM	4.00	NM	NM	NC	
MW-82	6/30/2010	NM	4.00	NM	NM	NC	
MW-83	6/30/2010	NM	4.00	NM	NM	NC	
MW-65	6/30/2010	8:32	2.00	15.62	1.82	13.80	
MWBS-02S	6/30/2010	9:43	1.00	13.58	3.40	10.18	
MWBS-02I	6/30/2010	9:44	0.75	13.46	2.92	10.54	
MWBS-02D	6/30/2010	9:44	0.75	13.54	3.04	10.50	
OU3MW-01S	6/30/2010	9:02	2.00	15.56	2.13	13.43	
OU3MW-02S	6/30/2010	10:47	2.00	15.16	2.06	13.10	
OU3MW-02I	6/30/2010	10:48	2.00	15.14	2.13	13.01	
OU3MW-04S	6/30/2010	11:03	2.00	14.80	2.49	12.31	
OU3MW-04I	6/30/2010	11:04	2.00	14.76	2.45	12.31	
OU3MW-04D	6/30/2010	11:04	2.00	14.84	2.58	12.26	
BBSW-13*	6/30/2010	9:52	NA	13.07	2.65	10.42	Cooper Lane near unnamed pond

Notes:

1 - Well Elevations obtained from 2007 survey or later and reference NAVD88 datum

MSL - Mean Sea Level

NM - Not Measured

NC - Not Calculated

NA - Not Applicable

* - Surface Water Gauging Station

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

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)											
		Dec-78	Oct-92	Jun-97	Aug-97	Mar-98	Jun-98	Nov-99	Jun-01	Jul-01	Oct-01	Jun-02	Aug-02
BBMW-09S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	14.17	NC	NC	NC	14.84	12.61
BBMW-09I	30.0 - 40.0	NC	NC	NC	NC	NC	NC	14.17	NC	NC	NC	14.82	12.60
BBMW-09D	62.0 - 72.0	NC	NC	NC	NC	NC	NC	14.08	NC	NC	NC	14.78	12.61
BBMW-28S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-28I	10.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-29	2.0 - 9.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-30S	2.0 - 10.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-30I	14.0 -19.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-30D	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-31S	2.0 - 10.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-31I	14.0 -19.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-31D	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-32S	2.0 - 10.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-32I	14.0 -19.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-32D	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-33	7.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
GM-02AS	8.91 - 23.91	10.17	10.19	NC	NC	NC	NC	10.43	NC	NC	NC	10.33	NC
GM-02AI	35.24 - 50.24	10.12	10.21	NC	NC	NC	NC	10.46	NC	NC	NC	10.35	NC
GM-02AD	59.8 - 74.8	10.38	10.42	NC	NC	NC	NC	10.63	NC	NC	NC	10.44	NC
MW-01S	4.0 - 14.0	NC	NC	14.88	NC	NC	NC	NC	15.39	NC	NC	NC	NC
MW-01D	35.0 - 45.0	NC	NC	14.74	NC	NC	NC	NC	15.57	NC	NC	NC	NC
MW-02S/SR	2.0 -12.0	NC	14.67	NC	14.35	16.41	15.77	15.15	15.47	14.42	13.70	15.47	13.02
MW-02I/R	22.5 - 23.5	NC	NC	NC	15.10	16.74	NC	15.46	NC	NC	NC	20.02	NC
MW-03	4.94 - 14.94	NC	NC	15.19	14.34	16.2	15.65	14.8	NC	NC	NC	13.53	13.18
MW-04	5.1 - 15.1	NC	NC	NC	14.09	NC	15.38	14.59	NC	NC	NC	14.85	12.98
MW-16S/SR	2.0 - 10.0	NC	NC	NC	NC	15.32	14.8	13.88	14.34	13.66	13.25	14.98	12.35
MW-16I	14.0 - 19.0	NC	NC	NC	NC	15.66	15.11	14.22	NC	NC	NC	14.92	12.7
MW-29S	5.0 - 10.0	NC	NC	NC	NC	NC	NC	15.12	NC	NC	NC	NC	13.55
MW-29D	14.0 - 19.0	NC	NC	NC	NC	16.52	NC	15.11	NC	NC	NC	NC	13.53
MW-30W	2.0 - 10.0	NC	NC	15.20	14.57	15.89	15.37	NC	NC	NC	NC	NC	NC
MW-30WR	2.0 - 10.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-32W/WR	2.0 - 10.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-34S	2.0 - 10.0	NC	NC	13.42	12.76	14.2	13.64	NC	NC	NC	NC	NC	NC
MW-34I	18.5 - 19.5	NC	NC	NC	12.77	14.17	13.66	13.12	NC	NC	NC	13.05	NC
MW-34D	27.5 - 28.5	NC	NC	NC	12.78	14.64	13.68	13.12	NC	NC	NC	13.07	NC
MW-45W	2.0 - 10.0	NC	NC	13.55	12.85	14.34	13.82	NC	NC	NC	NC	NC	NC
MW-64	19.0 - 24.0	NC	NC	NC	NC	15.4	14.85	13.94	NC	NC	NC	NC	NC
MW-65	11.0 - 16.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MWBS-02S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MWBS-02I	14.5 - 15.5	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MWBS-02D	24.5 - 25.5	NC	NC	NC	10.39	11.57	11.32	11.00	NC	NC	NC	11.30	NC
OU3MW-01S	3.0 - 13.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-02S	3.0 - 13.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-02I	15.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-04S	1.5 - 11.5	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-04I	16.0 - 21.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-04D	26.0 - 31.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

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

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)											
		Nov-02	Mar-03	Jul-03	Sep-03	Oct-03	Jan-04	Apr-04	Aug-04	Oct-04	Feb-05	May-05	Aug-05
BBMW-09S	5.0 - 15.0	14.85	15.27	15.28	14.22	NC	14.65	15.41	14.05	14.48	15.17	14.99	13.79
BBMW-09I	30.0 - 40.0	14.84	15.27	15.25	14.22	NC	14.64	15.39	14.04	14.47	15.16	14.97	13.80
BBMW-09D	62.0 - 72.0	14.81	15.25	15.28	14.22	NC	14.63	16.37	14.04	14.48	15.16	14.99	13.80
BBMW-28S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	14.31	14.05	12.96
BBMW-28I	10.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	14.28	14.04	12.94
BBMW-29	2.0 - 9.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	12.41	12.22	11.28
BBMW-30S	2.0 - 10.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-30I	14.0 -19.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-30D	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-31S	2.0 - 10.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-31I	14.0 -19.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-31D	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-32S	2.0 - 10.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-32I	14.0 -19.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-32D	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-33	7.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
GM-02AS	8.91 - 23.91	NC	11.03	11.03	10.23	NC	10.69	11.86	10.08	10.35	10.94	10.90	9.94
GM-02AI	35.24 - 50.24	NC	NC	NC	10.24	NC	10.74	11.87	10.10	10.37	10.96	10.92	9.96
GM-02AD	59.8 - 74.8	NC	11.32	11.22	10.42	NC	10.97	12.03	10.25	10.59	11.17	11.11	10.06
MW-01S	4.0 - 14.0	13.64	15.89	16.59	16.54	15.93	NC	15.93	17.36	15.33	15.77	16.47	16.38
MW-01D	35.0 - 45.0	13.66	15.88	16.61	16.58	15.64	NC	15.95	17.38	15.37	15.80	16.46	16.40
MW-02S/SR	2.0 -12.0	NC	NC	NC	NC	14.79	14.93	16.47	NC	14.58	15.29	15.09	NC
MW-02I/R	22.5 - 23.5	NC	NC	NC	NC	NC	NC	NC	NC	14.11	NC	NC	NC
MW-03	4.94 - 14.94	15.32	15.98	16.00	15.02	NC	15.31	16.77	14.67	15.18	15.85	15.73	14.49
MW-04	5.1 - 15.1	16.28	19.16	15.84	14.89	NC	NC	16.61	14.57	15.19	15.55	15.55	14.34
MW-16S/SR	2.0 - 10.0	15.04	15.50	15.40	14.35	NC	14.79	16.47	NC	14.14	14.96	15.15	13.52
MW-16I	14.0 - 19.0	14.89	15.32	15.29	14.28	NC	14.71	16.08	NC	14.64	15.25	15.13	NC
MW-29S	5.0 - 10.0	15.69	16.30	16.24	15.35	NC	15.64	17.84	15.09	15.48	16.17	16.02	14.84
MW-29D	14.0 - 19.0	15.68	16.34	NC	15.34	NC	15.65	17.03	15.08	15.48	16.15	16.01	14.83
MW-30W	2.0 - 10.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-30WR	2.0 - 10.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	15.30	15.09	14.17
MW-32W/WR	2.0 - 10.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	13.57	13.36	12.36
MW-34S	2.0 - 10.0	NC	14.13	14.07	13.01	NC	13.52	14.8	12.97	13.28	14.00	13.73	12.73
MW-34I	18.5 - 19.5	NC	14.08	14.02	12.98	NC	13.48	14.76	12.92	13.25	13.97	13.72	12.74
MW-34D	27.5 - 28.5	NC	14.07	14.03	12.98	NC	13.47	14.8	12.93	13.26	13.97	13.72	12.75
MW-45W	2.0 - 10.0	NC	NC	NC	13.32	NC	13.71	14.87	13.20	13.40	14.13	13.97	12.85
MW-64	19.0 - 24.0	NC	NC	NC	13.95	NC	14.87	15.77	13.85	14.21	NC	14.73	13.58
MW-65	11.0 - 16.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MWBS-02S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	10.77	10.97	11.58	11.44	10.59
MWBS-02I	14.5 - 15.5	NC	NC	NC	NC	NC	NC	NC	10.69	10.91	11.57	11.42	10.55
MWBS-02D	24.5 - 25.5	NC	NC	NC	NC	NC	NC	NC	10.69	10.95	11.45	11.44	10.61
OU3MW-01S	3.0 - 13.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-02S	3.0 - 13.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-02I	15.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-04S	1.5 - 11.5	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-04I	16.0 - 21.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-04D	26.0 - 31.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

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

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)											
		Nov-05	Feb-06	May-06	Jul/Aug-06	Nov-06	Jan-07	May-07	Jul/Aug-07	Oct/Nov-07	Jan-08	Apr-08	Aug-08
BBMW-09S	5.0 - 15.0	15.55	15.43	14.93	14.63	15.09	15.02	15.44	14.67	13.75	14.72	15.29	14.12
BBMW-09I	30.0 - 40.0	15.54	15.42	14.92	14.63	15.10	15.02	15.44	14.69	13.76	14.72	15.30	14.11
BBMW-09D	62.0 - 72.0	15.52	15.42	14.93	14.63	15.11	15.01	15.45	14.65	13.74	14.72	15.30	14.12
BBMW-28S	2.0 - 12.0	14.45	14.35	13.97	13.65	14.11	14.07	14.36	13.72	12.89	13.74	14.28	13.23
BBMW-28I	10.0 - 20.0	14.45	14.34	13.96	13.63	14.09	14.06	14.34	13.71	12.88	13.73	14.29	13.22
BBMW-29	2.0 - 9.0	12.53	12.46	12.17	11.80	12.28	12.25	12.53	11.87	11.30	12.03	12.45	11.54
BBMW-30S	2.0 - 10.0	NC	NC	NC	NC	NC	NC	NC	13.68	12.93	13.71	14.22	13.21
BBMW-30I	14.0 -19.0	NC	NC	NC	NC	NC	NC	NC	13.70	12.92	13.67	14.24	13.21
BBMW-30D	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	13.67	12.91	13.64	14.20	13.16
BBMW-31S	2.0 - 10.0	NC	NC	NC	NC	NC	NC	NC	10.76	10.51	11.13	11.40	10.46
BBMW-31I	14.0 -19.0	NC	NC	NC	NC	NC	NC	NC	10.77	10.52	11.12	11.40	10.45
BBMW-31D	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	10.77	10.52	11.12	11.42	10.46
BBMW-32S	2.0 - 10.0	NC	NC	NC	NC	NC	NC	NC	12.15	11.58	12.29	12.72	11.75
BBMW-32I	14.0 -19.0	NC	NC	NC	NC	NC	NC	NC	13.16	12.59	13.30	13.72	12.74
BBMW-32D	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	13.09	11.56	12.26	12.69	11.71
BBMW-33	7.0 - 12.0	NC	NC	NC	13.22	13.72	13.59	13.93	13.24	12.56	13.39	13.85	12.78
GM-02AS	8.91 - 23.91	11.24	11.09	10.83	10.38	10.93	10.94	11.31	10.46	10.10	10.73	11.03	10.06
GM-02AI	35.24 - 50.24	11.26	11.11	10.85	10.40	10.96	10.94	11.33	10.48	10.12	10.76	11.04	10.07
GM-02AD	59.8 - 74.8	11.47	11.36	11.05	10.52	11.16	11.20	11.51	10.61	10.26	11.74	11.27	10.18
MW-01S	4.0 - 14.0	15.08	16.95	16.77	16.28	16.01	16.39	16.37	16.79	16.01	15.93	16.59	15.38
MW-01D	35.0 - 45.0	15.21	16.87	16.79	16.30	16.07	16.40	16.38	16.80	16.00	15.95	16.61	15.41
MW-02S/SR	2.0 -12.0	NC	NC	NC	14.77	15.23	15.13	15.58	14.86	13.87	14.87	15.49	14.23
MW-02I/R	22.5 - 23.5	NC	NC	NC	NC	NC	NC	NC	NC	13.83	14.56	15.29	14.18
MW-03	4.94 - 14.94	16.28	16.15	15.65	15.38	15.79	15.74	16.16	15.38	14.43	15.39	16.02	14.81
MW-04	5.1 - 15.1	16.13	15.90	15.45	15.19	15.56	15.52	15.73	15.14	14.20	15.07	NC	14.58
MW-16S/SR	2.0 - 10.0	15.70	15.6	15.01	14.75	15.29	15.11	15.92	15.03	13.89	14.81	16.14	14.22
MW-16I	14.0 - 19.0	15.56	15.46	14.98	14.7	15.15	15.07	15.66	14.77	13.84	14.93	15.35	14.22
MW-29S	5.0 - 10.0	16.53	16.39	15.91	15.69	16.07	16.00	16.41	15.67	NC	15.66	16.23	15.10
MW-29D	14.0 - 19.0	16.52	16.38	15.91	15.68	16.06	16.00	16.40	15.66	NC	15.63	16.22	15.08
MW-30W	2.0 - 10.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-30WR	2.0 - 10.0	15.40	15.34	15.03	14.69	15.13	15.10	15.40	14.74	11.83	12.58	13.04	12.07
MW-32W/WR	2.0 - 10.0	13.72	13.6	13.26	12.96	13.41	13.32	13.64	12.99	12.30	13.09	13.56	12.64
MW-34S	2.0 - 10.0	14.12	14.03	13.59	13.35	13.81	13.75	14.07	13.38	NC	13.48	14.00	12.94
MW-34I	18.5 - 19.5	14.12	14.01	13.65	13.35	13.80	13.75	14.07	13.38	NC	13.48	13.98	12.94
MW-34D	27.5 - 28.5	14.13	14.01	13.66	13.35	14.30	13.76	14.08	13.38	NC	13.38	13.98	12.94
MW-45W	2.0 - 10.0	14.26	14.15	13.78	13.49	13.97	13.88	14.22	13.51	12.79	13.56	NC	NC
MW-64	19.0 - 24.0	15.09	15.07	14.61	14.24	14.75	14.72	14.99	14.35	13.49	14.33	14.95	13.84
MW-65	11.0 - 16.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	14.88	13.75
MWBS-02S	5.0 - 15.0	11.70	11.6	11.38	10.93	11.46	11.47	11.65	11.06	10.67	NC	NC	10.61
MWBS-02I	14.5 - 15.5	11.66	11.6	11.39	10.94	11.45	11.45	11.58	10.99	10.63	NC	NC	10.63
MWBS-02D	24.5 - 25.5	11.73	11.6	11.39	10.88	11.47	11.47	11.28	11.05	10.67	NC	NC	10.65
OU3MW-01S	3.0 - 13.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-02S	3.0 - 13.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-02I	15.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-04S	1.5 - 11.5	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-04I	16.0 - 21.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-04D	26.0 - 31.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

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

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)										
		Nov-08	Jan-09	May-09	Jul-09	Oct-09	Jan-10	Apr-10	Jul-10	Minimum	Average	Maximum
BBMW-09S	5.0 - 15.0	14.82	14.86	15.22	15.06	14.21	15.29	16.78	14.13	12.61	14.79	16.78
BBMW-09I	30.0 - 40.0	14.81	14.90	15.23	15.09	14.21	15.30	16.77	14.26	12.6	14.79	16.77
BBMW-09D	62.0 - 72.0	14.83	14.88	15.24	15.06	14.21	15.28	16.76	14.24	12.61	14.81	16.76
BBMW-28S	2.0 - 12.0	13.94	13.92	14.30	14.06	13.25	14.30	15.33	13.26	12.89	13.93	15.33
BBMW-28I	10.0 - 20.0	13.94	13.90	14.29	14.05	13.24	14.38	15.32	13.24	12.88	13.93	15.32
BBMW-29	2.0 - 9.0	12.21	12.16	12.48	12.27	11.48	12.52	13.51	11.44	11.28	12.14	13.51
BBMW-30S	2.0 - 10.0	13.90	13.87	14.27	13.99	13.24	14.22	15.10	13.25	12.93	13.81	15.1
BBMW-30I	14.0 -19.0	13.91	13.86	14.25	13.97	13.21	14.22	15.13	13.24	12.92	13.81	15.13
BBMW-30D	30.0 - 35.0	13.88	13.83	14.22	13.92	13.19	14.19	15.11	13.22	12.91	13.78	15.11
BBMW-31S	2.0 - 10.0	11.23	11.20	11.48	11.21	10.43	11.46	12.27	10.40	10.4	11.07	12.27
BBMW-31I	14.0 -19.0	11.22	11.18	11.38	11.20	10.42	11.45	12.20	10.38	10.38	11.05	12.2
BBMW-31D	30.0 - 35.0	11.23	11.19	11.38	11.21	10.44	11.45	12.21	10.39	10.39	11.06	12.21
BBMW-32S	2.0 - 10.0	12.45	12.43	12.74	12.49	11.76	12.76	13.62	11.75	11.58	12.35	13.62
BBMW-32I	14.0 -19.0	13.45	13.42	13.74	13.50	12.77	13.75	14.66	12.74	12.59	13.35	14.66
BBMW-32D	30.0 - 35.0	12.42	12.39	12.71	12.47	11.73	12.73	13.63	11.71	11.56	12.39	13.63
BBMW-33	7.0 - 12.0	13.53	13.48	13.89	13.65	12.84	13.86	14.93	12.81	12.56	13.49	14.93
GM-02AS	8.91 - 23.91	10.85	10.84	10.93	10.86	10.04	11.14	12.21	9.97	9.94	10.71	12.21
GM-02AI	35.24 - 50.24	10.88	10.85	10.95	10.88	10.05	11.16	12.22	10.00	9.96	10.71	12.22
GM-02AD	59.8 - 74.8	11.04	11.05	11.36	11.04	10.25	11.37	12.44	10.13	10.06	10.94	12.44
MW-01S	4.0 - 14.0	16.08	NC	16.53	16.42	15.49	16.62	17.99	15.61	13.64	16.11	17.99
MW-01D	35.0 - 45.0	16.11	16.27	16.55	16.44	15.52	16.65	18.03	15.65	13.66	16.12	18.03
MW-02S/SR	2.0 -12.0	14.97	14.98	15.32	NC	NC	NC	NC	NC	13.02	14.96	16.47
MW-02I/R	22.5 - 23.5	14.84	14.89	15.24	NC	NC	NC	NC	NC	13.83	15.36	20.02
MW-03	4.94 - 14.94	15.49	15.62	15.97	15.81	14.91	16.02	17.58	15.01	13.18	15.44	17.58
MW-04	5.1 - 15.1	15.27	15.28	NC	15.50	14.82	15.73	NC	14.71	12.98	15.30	19.16
MW-16S/SR	2.0 - 10.0	14.94	15.00	15.97	NC	NC	NC	NC	NC	12.35	14.83	16.47
MW-16I	14.0 - 19.0	14.86	14.94	15.28	NC	NC	NC	NC	NC	12.7	14.93	16.08
MW-29S	5.0 - 10.0	15.76	15.88	16.18	16.00	15.14	16.24	17.43	15.29	13.55	15.84	17.84
MW-29D	14.0 - 19.0	15.75	15.88	16.16	16.00	15.17	16.25	17.44	15.29	13.53	15.82	17.44
MW-30W	2.0 - 10.0	NC	NC	NC	NC	NC	NC	NC	NC	14.57	15.26	15.89
MW-30WR	2.0 - 10.0	12.8	12.75	13.14	12.83	12.04	13.10	14.15	12.05	11.83	13.82	15.4
MW-32W/WR	2.0 - 10.0	13.28	13.21	NC	13.36	12.58	13.61	NC	12.56	12.3	13.16	13.72
MW-34S	2.0 - 10.0	13.68	13.64	14.05	13.82	13.00	14.03	15.09	12.98	12.73	13.67	15.09
MW-34I	18.5 - 19.5	13.66	13.63	14.02	13.80	12.98	13.98	15.06	12.95	12.74	13.63	15.06
MW-34D	27.5 - 28.5	13.67	13.67	14.02	13.80	12.99	14.00	15.07	12.95	12.75	13.66	15.07
MW-45W	2.0 - 10.0	13.79	NC	14.16	14.21	13.18	NC	15.16	13.18	12.79	13.76	15.16
MW-64	19.0 - 24.0	14.52	14.58	14.90	14.65	13.87	14.90	15.75	13.96	13.49	14.56	15.77
MW-65	11.0 - 16.0	14.46	14.51	14.87	14.60	13.80	14.82	NC	13.80	13.75	14.39	14.88
MWBS-02S	5.0 - 15.0	11.43	11.38	NC	11.70	10.43	11.65	NC	10.18	10.18	11.17	11.7
MWBS-02I	14.5 - 15.5	11.41	11.34	NC	11.35	10.57	11.66	NC	10.54	10.54	11.16	11.66
MWBS-02D	24.5 - 25.5	11.42	11.22	NC	11.44	10.62	11.49	NC	10.50	10.39	11.14	11.73
OU3MW-01S	3.0 - 13.0	NC	NC	NC	NC	NC	14.35	15.28	13.43	13.43	14.35	15.28
OU3MW-02S	3.0 - 13.0	NC	NC	NC	NC	13.10	14.10	15.05	13.10	13.10	13.84	15.05
OU3MW-02I	15.0 - 20.0	NC	NC	NC	NC	13.09	14.03	15.05	13.01	13.01	13.80	15.05
OU3MW-04S	1.5 - 11.5	NC	NC	NC	NC	12.34	13.39	14.42	12.31	12.31	13.12	14.42
OU3MW-04I	16.0 - 21.0	NC	NC	NC	NC	12.33	13.37	14.39	12.31	12.31	13.10	14.39
OU3MW-04D	26.0 - 31.0	NC	NC	NC	NC	12.31	13.36	14.38	12.26	12.26	13.08	14.38

Notes:
NC - Not Calculated
bgs - below ground surface
Well Elevations obtained from 2007 survey or later and reference NAVD88 datum

Table 3-7
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	6/30/2010	10:43	1.00	18.18	4.21	13.97	
WCMW-01I	6/30/2010	10:44	1.00	17.99	4.03	13.96	
WCMW-01D	6/30/2010	10:45	1.00	17.69	4.01	13.68	
WCMW-02S	6/30/2010	14:22	1.00	15.34	2.61	12.73	
WCMW-02I	6/30/2010	14:23	1.00	15.23	2.48	12.75	
WCMW-02D	6/30/2010	14:24	1.00	15.15	2.37	12.78	
WCMW-03S	6/30/2010	10:59	2.00	17.15	3.29	13.86	
WCMW-03I	6/30/2010	11:00	2.00	17.20	3.32	13.88	
WCMW-03I2	6/30/2010	11:01	2.00	17.12	3.27	13.85	
WCMW-04S	6/30/2010	11:19	2.00	19.27	5.41	13.86	
WCMW-04I	6/30/2010	11:20	2.00	19.21	5.59	13.62	
WCMW-04I2	6/30/2010	11:21	2.00	19.16	5.46	13.70	
WCMW-05S	6/30/2010	11:31	2.00	18.46	4.55	13.91	
WCMW-05I	6/30/2010	11:32	2.00	18.27	4.59	13.68	
WCMW-05I2	6/30/2010	11:33	2.00	18.39	4.65	13.74	
WCMW-06S	6/30/2010	13:58	2.00	14.78	0.39	14.39	
WCMW-06I	6/30/2010	13:59	2.00	14.92	0.42	14.50	
WCMW-06I2	6/30/2010	14:00	2.00	15.08	0.53	14.55	
WCMW-07S	NM	NM	2.00	NS	NM	NC	No Access
WCMW-07I	NM	NM	2.00	NS	NM	NC	No Access
WCMW-07I2	NM	NM	2.00	NS	NM	NC	No Access
WCMW-08S	6/30/2010	13:38	2.00	17.64	3.33	14.31	
WCMW-08I	6/30/2010	13:39	2.00	17.72	3.39	14.33	
WCMW-08I2	6/30/2010	13:40	2.00	17.76	3.41	14.35	
WCMW-09S	6/30/2010	13:32	2.00	18.02	3.89	14.13	
WCMW-10S	6/30/2010	13:26	2.00	17.44	3.56	13.88	
WCMW-10D	6/30/2010	13:27	2.00	17.36	3.47	13.89	
WCMW-11S	NM	NM	2.00	NS	NM	NC	No Access
WCMW-11I	NM	NM	2.00	NS	NM	NC	No Access
WCMW-11D	NM	NM	2.00	NS	NM	NC	No Access
WCMW-12S	6/30/2010	8:30	2.00	16.88	3.96	12.92	
WCMW-12I	6/30/2010	8:31	2.00	17.19	4.26	12.93	
WCMW-12D	6/30/2010	8:32	2.00	17.15	4.19	12.96	
WCMW-13S	6/30/2010	8:40	2.00	15.11	2.30	12.81	
WCMW-13I	6/30/2010	8:41	2.00	15.41	2.46	12.95	
WCMW-13D	6/30/2010	8:42	2.00	15.38	2.49	12.89	
WCMW-14S	6/30/2010	14:04	2.00	15.40	2.01	13.39	
WCMW-14I	6/30/2010	14:05	2.00	15.34	1.74	13.60	
WCMW-14I2	6/30/2010	14:06	2.00	15.33	1.72	13.61	
WCMW-14D	6/30/2010	14:07	2.00	15.63	1.84	13.79	
WCMW-16S	6/30/2010	10:19	2.00	17.45	3.04	14.41	
WCMW-16I	6/30/2010	10:20	2.00	17.33	2.93	14.40	
WCMW-16I2	6/30/2010	10:21	2.00	17.25	2.88	14.37	
WCMW-17S	6/30/2010	10:33	2.00	18.00	3.90	14.10	
WCMW-17I	6/30/2010	10:34	2.00	18.00	4.13	13.87	
WCMW-17I2	6/30/2010	10:35	2.00	17.90	4.08	13.82	
WCMW-18WT	6/30/2010	10:10	2.00	17.00	2.78	14.22	
WCMW-18S	6/30/2010	10:11	2.00	17.20	2.98	14.22	
WCMW-18I	6/30/2010	10:12	2.00	17.22	3.01	14.21	
WCMW-18I2	6/30/2010	10:13	2.00	17.22	3.03	14.19	
WCMW-19S	6/30/2010	9:01	2.00	16.68	2.06	14.62	
WCMW-19I	6/30/2010	9:00	2.00	16.92	2.31	14.61	
WCMW-19I2	6/30/2010	8:59	2.00	16.64	2.05	14.59	
WCMW-20S	6/30/2010	9:18	2.00	16.92	2.54	14.38	
WCMW-20I	6/30/2010	9:19	2.00	17.04	2.67	14.37	
WCMW-20I2	6/30/2010	9:20	2.00	16.92	2.53	14.39	
WCMW-21S	6/30/2010	9:08	2.00	16.66	2.31	14.35	
WCMW-21I	6/30/2010	9:09	2.00	16.36	2.02	14.34	
WCMW-21I2	6/30/2010	9:10	2.00	16.62	2.29	14.33	
WCMW-22S	NM	NM	2.00	18.66	NM	NC	No Access
WCMW-22I	NM	NM	2.00	18.36	NM	NC	No Access

Table 3-7
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-23S	NM	NM	2.00	19.13	NM	NC	No Access
WCMW-23I	NM	NM	2.00	19.06	NM	NC	No Access
WCMW-24S	NM	NM	2.00	19.12	NM	NC	No Access
WCMW-24I	NM	NM	2.00	18.83	NM	NC	No Access
WCMW-24I2	NM	NM	2.00	18.86	NM	NC	No Access
WCMW-25I	6/30/2010	11:11	1.00	18.65	5.24	13.41	
WCMW-25D	6/30/2010	11:12	1.00	18.61	5.27	13.34	
WCMW-26S	NM	NM	2.00	20.08	NM	NC	No Access
WCMW-26I	NM	NM	2.00	20.73	NM	NC	No Access
WCMW-26I2	NM	NM	2.00	20.98	NM	NC	No Access
WCMW-27S	6/30/2010	9:38	1.00	16.36	2.50	13.86	
WCMW-27I	6/30/2010	9:39	1.00	15.79	1.78	14.01	
WCMW-28S	6/30/2010	9:35	1.00	16.06	1.98	14.08	
WCMW-28I	6/30/2010	9:36	1.00	15.74	1.59	14.15	
BBSW-14*	6/30/2010	8:39	NA	15.05	3.22	11.83	Watchogue Creek at Union Blvd.

Notes:

1 - Well Elevations obtained from 2007 survey or later and reference NAVD88 datum

MSL - Mean Sea Level
NS - Survey Data Not Available
NM - Not Measured
NC - Not Calculated
NA - Not Applicable
* - Surface Water Gauging Station

Table 3-8
Historic Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
Operable Unit No. 4 (OU-4)

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)										
		Nov-99	Jun-02	Nov-02	Mar-03	Jul-03	Sep-03	Jan-04	Apr-04	Jun-04	Oct-04	Feb-05
WCMW-01S	2.0 - 12.0	NC	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	NC	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	NC	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	NC	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	NC	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	NC	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	NC	NC	13.96	14.67	14.48	13.75	NC	15.04	13.44	13.96	14.64
WCMW-03I	19.4 - 24.4	NC	NC	14.15	14.71	14.58	13.93	NC	15.16	13.61	14.05	14.69
WCMW-03I2	28.55 - 33.55	NC	NC	13.98	14.52	14.41	13.76	NC	14.98	13.46	13.89	14.50
WCMW-04S	1.5 - 11.5	NC	NC	13.97	14.50	14.36	13.70	NC	15.06	13.39	13.83	14.46
WCMW-04I	19.0 - 24.0	NC	NC	13.94	14.49	14.36	13.70	NC	15.00	13.41	13.83	14.47
WCMW-04I2	29.85 - 34.85	NC	NC	14.05	14.58	14.43	13.79	NC	15.07	13.48	13.88	14.55
WCMW-05S	1.4 - 11.4	NC	NC	14.20	14.68	14.46	13.82	NC	15.05	13.48	13.97	14.66
WCMW-05I	19.61 - 24.61	NC	NC	13.98	14.51	14.40	13.76	NC	14.99	13.44	13.89	14.52
WCMW-05I2	29.46 - 34.46	NC	NC	14.02	14.54	14.43	13.81	NC	15.02	13.48	13.92	14.57
WCMW-06S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-06I	19.55 - 24.55	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-06I2	29.83 - 34.83	NC	NC	13.86	14.33	14.21	13.60	NC	14.79	13.27	13.74	14.39
WCMW-08S	4.2 - 9.2	NC	NC	14.55	15.14	15.02	14.32	14.57	15.59	14.00	14.45	15.11
WCMW-08I	19.2 - 24.2	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-08I2	26.9 - 31.9	NC	NC	14.55	15.13	15.05	14.33	14.59	15.61	14.03	14.47	15.14
WCMW-09S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-10S	15.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-10D	40.0 - 50.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-11S**	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-11I**	25.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-11D**	50.0 - 60.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-12S	3.0 - 13.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-12I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-12D	65.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-13S	3.0 - 13.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-13I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-13D	65.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-14S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-14I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-14I2	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-14D	67.0 - 72.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-16S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-16I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-16I2	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-17S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-17I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-17I2	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-18WT	2.0 - 7.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-18S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-18I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-18I2	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

Table 3-8
Historic Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
Operable Unit No. 4 (OU-4)

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)										
		Nov-99	Jun-02	Nov-02	Mar-03	Jul-03	Sep-03	Jan-04	Apr-04	Jun-04	Oct-04	Feb-05
WCMW-19S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-19I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-19I2	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-20S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-20I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-20I2	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-21S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-21I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-21I2	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-22S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-22I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-23S	3.0 - 13.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-23I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-24S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-24I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-24I2	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-25I	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-25D	55.0 - 60.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-26S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-26I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-26I2	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-27S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-27I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-28S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-28I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

Table 3-8
Historic Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
Operable Unit No. 4 (OU-4)

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)										
		May-05	Aug-05	Nov-05	Feb-06	May-06	Jul/Aug-06	Nov-06	Jan-07	May-07	Jul/Aug-07	Oct/Nov-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	14.09	13.51
WCMW-01I	35.0 - 45.0	14.61	13.37	15.05	14.88	14.52	14.19	14.65	14.64	14.87	14.14	13.53
WCMW-01D	64.0 - 72.0	14.71	13.41	15.07	NC	14.51	14.18	14.63	14.53	14.84	14.14	13.55
WCMW-02S	3.0 - 13.0	13.44	12.25	13.69	13.53	13.22	12.95	13.39	13.35	13.60	12.95	12.35
WCMW-02I	34.5 - 44.5	13.41	12.28	13.75	13.61	13.28	12.98	13.43	13.41	13.67	12.98	12.34
WCMW-02D	62.0 - 72.0	13.55	12.34	13.84	13.64	13.32	12.98	13.47	13.44	13.70	13.02	12.39
WCMW-03S	4.83 - 9.83	14.41	13.42	15.03	14.87	14.52	14.23	14.61	14.57	14.83	14.09	13.43
WCMW-03I	19.4 - 24.4	14.55	13.32	14.96	14.80	14.43	14.11	14.55	14.56	14.80	14.06	13.41
WCMW-03I2	28.55 - 33.55	14.38	13.30	14.95	14.79	14.42	14.10	14.55	14.54	14.79	14.05	13.40
WCMW-04S	1.5 - 11.5	14.32	13.10	14.73	14.59	14.23	13.90	14.36	14.33	14.58	13.83	13.18
WCMW-04I	19.0 - 24.0	14.33	13.10	14.73	14.59	14.23	13.90	14.36	14.35	14.59	13.84	13.20
WCMW-04I2	29.85 - 34.85	14.45	13.21	14.83	14.64	14.32	13.99	14.45	14.43	14.70	13.94	13.29
WCMW-05S	1.4 - 11.4	14.39	13.18	14.85	14.70	14.31	13.99	14.48	14.43	14.67	13.92	13.25
WCMW-05I	19.61 - 24.61	14.37	13.16	14.81	14.65	14.29	13.97	14.42	14.40	14.66	13.92	13.27
WCMW-05I2	29.46 - 34.46	14.41	13.17	14.84	14.68	14.33	13.98	14.46	14.44	14.70	13.95	13.31
WCMW-06S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	13.03
WCMW-06I	19.55 - 24.55	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	13.02
WCMW-06I2	29.83 - 34.83	14.22	12.98	14.62	NC	14.12	NC	NC	14.25	14.45	13.69	13.07
WCMW-08S	4.2 - 9.2	15.01	13.73	15.43	15.26	14.92	14.58	14.99	15.01	15.29	14.52	13.82
WCMW-08I	19.2 - 24.2	NC	NC	NC	NC	NC	14.60	15.03	15.03	15.28	14.51	13.85
WCMW-08I2	26.9 - 31.9	15.03	13.77	15.44	15.27	14.92	14.59	15.02	15.02	15.28	14.52	13.82
WCMW-09S	5.0 - 15.0	NC	NC	NC	15.05	14.71	14.39	14.81	14.82	15.08	14.32	13.64
WCMW-10S	15.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	14.57	17.44	NC	13.47
WCMW-10D	40.0 - 50.0	NC	NC	NC	14.82	14.46	14.14	NC	14.57	17.36	NC	13.42
WCMW-11S**	5.0 - 15.0	NC	NC	NC	15.84	NC	NC	NC	NC	NC	NC	NC
WCMW-11I**	25.0 - 35.0	NC	NC	NC	15.84	NC	NC	NC	NC	NC	NC	NC
WCMW-11D**	50.0 - 60.0	NC	NC	NC	15.81	NC	NC	NC	NC	NC	NC	NC
WCMW-12S	3.0 - 13.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-12I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-12D	65.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-13S	3.0 - 13.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-13I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-13D	65.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-14S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-14I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-14I2	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-14D	67.0 - 72.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-16S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-16I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-16I2	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-17S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-17I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-17I2	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-18WT	2.0 - 7.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-18S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-18I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-18I2	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

Table 3-8
Historic Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
Operable Unit No. 4 (OU-4)

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)										
		May-05	Aug-05	Nov-05	Feb-06	May-06	Jul/Aug-06	Nov-06	Jan-07	May-07	Jul/Aug-07	Oct/Nov-07
WCMW-19S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-19I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-19I2	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-20S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-20I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-20I2	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-21S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-21I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-21I2	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-22S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-22I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-23S	3.0 - 13.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-23I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-24S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-24I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-24I2	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-25I	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-25D	55.0 - 60.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-26S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-26I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-26I2	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-27S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-27I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-28S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-28I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

Table 3-8
Historic Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
Operable Unit No. 4 (OU-4)

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)								
		Jan-08	May-08	Aug-08	Nov-08	Jan-09	May-09	Jul-09	Oct-09	Jan-10
WCMW-01S	2.0 - 12.0	14.28	14.79	13.84	14.45	14.56	14.82	14.85	14.26	14.90
WCMW-01I	35.0 - 45.0	14.30	14.88	13.77	14.44	14.56	14.83	14.94	13.99	14.83
WCMW-01D	64.0 - 72.0	14.28	14.87	13.66	14.50	14.03	14.82	13.96	13.72	14.51
WCMW-02S	3.0 - 13.0	13.07	13.54	12.59	13.24	13.31	13.63	13.53	12.88	13.63
WCMW-02I	34.5 - 44.5	13.11	13.62	12.64	13.25	13.25	13.60	13.59	12.92	13.71
WCMW-02D	62.0 - 72.0	13.16	13.65	12.93	13.30	13.38	13.56	13.62	12.95	13.70
WCMW-03S	4.83 - 9.83	14.28	14.79	13.84	14.43	14.52	14.78	14.75	13.95	14.75
WCMW-03I	19.4 - 24.4	14.22	14.78	13.76	14.37	14.52	14.77	14.84	14.06	14.81
WCMW-03I2	28.55 - 33.55	14.17	14.77	13.69	14.37	14.51	14.73	14.80	14.07	14.81
WCMW-04S	1.5 - 11.5	13.97	14.57	13.49	14.17	14.26	14.58	14.56	13.82	14.66
WCMW-04I	19.0 - 24.0	14.02	14.59	13.64	14.16	14.30	14.55	14.55	13.79	14.63
WCMW-04I2	29.85 - 34.85	14.12	14.67	13.45	14.26	14.39	14.62	14.63	13.95	14.66
WCMW-05S	1.4 - 11.4	14.14	14.64	13.59	14.32	14.40	14.66	14.62	13.97	14.66
WCMW-05I	19.61 - 24.61	14.07	14.62	13.57	14.23	14.36	14.61	14.65	13.89	14.62
WCMW-05I2	29.46 - 34.46	14.08	14.66	13.65	14.28	14.40	14.62	14.67	13.92	14.68
WCMW-06S	2.0 - 12.0	13.83	14.38	13.40	14.01	14.18	14.07	14.35	13.60	14.38
WCMW-06I	19.55 - 24.55	13.82	14.36	13.31	13.99	14.07	14.04	14.34	13.65	14.42
WCMW-06I2	29.83 - 34.83	13.83	14.39	13.37	14.02	14.11	14.17	14.38	13.68	14.48
WCMW-08S	4.2 - 9.2	14.64	15.26	14.14	14.78	14.99	15.21	15.20	14.43	15.24
WCMW-08I	19.2 - 24.2	14.66	15.27	14.13	14.80	15.01	15.24	15.21	14.47	15.27
WCMW-08I2	26.9 - 31.9	14.74	15.25	14.11	14.79	14.99	15.22	15.23	14.44	15.28
WCMW-09S	5.0 - 15.0	14.45	15.04	13.94	14.60	14.75	15.03	15.03	14.30	15.08
WCMW-10S	15.0 - 20.0	14.18	14.80	13.69	14.37	14.53	14.78	14.72	14.05	14.78
WCMW-10D	40.0 - 50.0	14.18	14.80	13.74	14.37	13.52	14.78	14.71	13.99	14.82
WCMW-11S**	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-11I**	25.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-11D**	50.0 - 60.0	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-12S	3.0 - 13.0	NC	13.77	12.82	13.42	13.46	13.75	13.73	13.07	13.83
WCMW-12I	25.0 - 30.0	NC	13.76	12.82	13.43	13.46	13.70	13.73	13.05	13.79
WCMW-12D	65.0 - 70.0	NC	13.78	12.81	13.44	13.49	13.77	13.74	13.06	13.84
WCMW-13S	3.0 - 13.0	NC	13.59	12.71	13.30	13.37	13.56	13.66	12.95	13.62
WCMW-13I	25.0 - 30.0	NC	13.68	12.74	13.33	13.41	13.62	13.60	12.97	13.69
WCMW-13D	65.0 - 70.0	NC	13.71	12.92	13.37	13.47	13.68	13.66	13.01	13.73
WCMW-14S	2.0 - 12.0	NC	14.57	13.80	14.20	14.34	14.49	14.24	12.84	14.30
WCMW-14I	20.0 - 25.0	NC	14.53	13.50	14.15	14.25	14.33	14.52	13.79	14.19
WCMW-14I2	30.0 - 35.0	NC	14.53	13.18	14.16	14.28	14.41	14.52	13.83	14.55
WCMW-14D	67.0 - 72.0	NC	14.56	12.42	14.20	14.43	14.45	14.65	13.91	14.78
WCMW-16S	2.0 - 12.0	NC	15.29	14.35	14.85	14.98	15.30	15.39	14.60	15.25
WCMW-16I	20.0 - 25.0	NC	15.28	14.29	14.86	15.01	15.27	15.36	14.51	15.24
WCMW-16I2	30.0 - 35.0	NC	15.25	14.56	14.84	14.98	15.27	15.34	14.44	15.25
WCMW-17S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	14.18	14.70
WCMW-17I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	14.14	15.00
WCMW-17I2	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	14.05	14.70
WCMW-18WT	2.0 - 7.0	NC	NC	NC	NC	NC	NC	15.18	14.51	15.10
WCMW-18S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	15.13	14.43	15.10
WCMW-18I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	15.17	14.43	15.11
WCMW-18I2	30.0 - 35.0	NC	NC	NC	NC	NC	NC	15.17	14.42	15.04

Table 3-8
Historic Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
Operable Unit No. 4 (OU-4)

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)								
		Jan-08	May-08	Aug-08	Nov-08	Jan-09	May-09	Jul-09	Oct-09	Jan-10
WCMW-19S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	14.71	15.56
WCMW-19I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	14.69	15.43
WCMW-19I2	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	14.65	15.48
WCMW-20S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	14.39	15.16
WCMW-20I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	14.49	15.24
WCMW-20I2	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	14.51	15.22
WCMW-21S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	14.50	15.22
WCMW-21I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	14.49	15.26
WCMW-21I2	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	14.47	15.17
WCMW-22S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	14.86
WCMW-22I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	14.78
WCMW-23S	3.0 - 13.0	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-23I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-24S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	14.61
WCMW-24I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	14.31
WCMW-24I2	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	14.46
WCMW-25I	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	14.34
WCMW-25D	55.0 - 60.0	NC	NC	NC	NC	NC	NC	NC	NC	14.16
WCMW-26S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	16.27
WCMW-26I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	16.83
WCMW-26I2	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	17.13
WCMW-27S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	14.95
WCMW-27I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	14.84
WCMW-28S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	14.96
WCMW-28I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	14.99

Table 3-8
Historic Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
Operable Unit No. 4 (OU-4)

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)				
		Apr-10	Jul-10	Minimum	Average	Maximum
WCMW-01S	2.0 - 12.0	15.89	13.97	13.45	14.46	15.89
WCMW-01I	35.0 - 45.0	15.89	13.96	13.37	14.45	15.89
WCMW-01D	64.0 - 72.0	15.48	13.68	13.41	14.32	15.48
WCMW-02S	3.0 - 13.0	14.50	12.73	12.25	13.26	14.50
WCMW-02I	34.5 - 44.5	14.56	12.75	12.28	13.24	14.56
WCMW-02D	62.0 - 72.0	14.64	12.78	12.34	13.29	14.64
WCMW-03S	4.83 - 9.83	15.83	13.86	13.42	14.39	15.83
WCMW-03I	19.4 - 24.4	15.82	13.88	13.32	14.41	15.82
WCMW-03I2	28.55 - 33.55	15.76	13.85	13.30	14.34	15.76
WCMW-04S	1.5 - 11.5	15.67	13.86	13.10	14.20	15.67
WCMW-04I	19.0 - 24.0	15.63	13.62	13.10	14.20	15.63
WCMW-04I2	29.85 - 34.85	15.60	13.70	13.21	14.27	15.60
WCMW-05S	1.4 - 11.4	15.57	13.91	13.18	14.30	15.57
WCMW-05I	19.61 - 24.61	15.60	13.68	13.16	14.24	15.60
WCMW-05I2	29.46 - 34.46	15.67	13.74	13.17	14.28	15.67
WCMW-06S	2.0 - 12.0	14.76	14.39	13.03	14.03	14.76
WCMW-06I	19.55 - 24.55	14.91	14.50	13.02	14.04	14.91
WCMW-06I2	29.83 - 34.83	14.99	14.55	12.98	14.06	14.99
WCMW-08S	4.2 - 9.2	16.16	14.31	13.73	14.83	16.16
WCMW-08I	19.2 - 24.2	16.19	14.33	13.85	14.88	16.19
WCMW-08I2	26.9 - 31.9	16.20	14.35	13.77	14.84	16.20
WCMW-09S	5.0 - 15.0	15.98	14.13	13.64	14.69	15.98
WCMW-10S	15.0 - 20.0	15.76	13.88	13.47	14.64	17.44
WCMW-10D	40.0 - 50.0	15.76	13.89	13.42	14.55	17.36
WCMW-11S**	5.0 - 15.0	NC	NC	15.84	15.84	15.84
WCMW-11I**	25.0 - 35.0	NC	NC	15.84	15.84	15.84
WCMW-11D**	50.0 - 60.0	NC	NC	15.81	15.81	15.81
WCMW-12S	3.0 - 13.0	13.43	12.92	12.82	13.42	13.83
WCMW-12I	25.0 - 30.0	13.77	12.93	12.82	13.44	13.79
WCMW-12D	65.0 - 70.0	13.78	12.96	12.81	13.47	13.84
WCMW-13S	3.0 - 13.0	14.10	12.81	12.71	13.37	14.10
WCMW-13I	25.0 - 30.0	14.46	12.95	12.74	13.45	14.46
WCMW-13D	65.0 - 70.0	14.47	12.89	12.89	13.49	14.47
WCMW-14S	2.0 - 12.0	15.30	13.39	12.84	14.15	15.30
WCMW-14I	20.0 - 25.0	14.82	13.60	13.50	14.17	14.82
WCMW-14I2	30.0 - 35.0	14.83	13.61	13.18	14.19	14.83
WCMW-14D	67.0 - 72.0	15.37	13.79	12.42	14.26	15.37
WCMW-16S	2.0 - 12.0	16.20	14.41	14.35	15.06	16.20
WCMW-16I	20.0 - 25.0	16.22	14.40	14.29	15.04	16.22
WCMW-16I2	30.0 - 35.0	16.22	14.37	14.37	15.05	16.22
WCMW-17S	2.0 - 12.0	16.05	14.10	14.10	14.76	16.05
WCMW-17I	20.0 - 25.0	15.87	13.87	13.87	14.72	15.87
WCMW-17I2	30.0 - 35.0	15.82	13.82	13.82	14.60	15.82
WCMW-18WT	2.0 - 7.0	15.95	14.22	14.22	14.99	15.95
WCMW-18S	2.0 - 12.0	16.05	14.22	14.22	14.99	16.05
WCMW-18I	20.0 - 25.0	16.06	14.21	14.21	15.00	16.06
WCMW-18I2	30.0 - 35.0	16.03	14.19	14.19	14.97	16.03

Table 3-8
Historic Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
Operable Unit No. 4 (OU-4)

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)				
		Apr-10	Jul-10	Minimum	Average	Maximum
WCMW-19S	2.0 - 12.0	16.63	14.62	14.62	15.38	16.63
WCMW-19I	20.0 - 25.0	16.53	14.61	14.61	15.32	16.53
WCMW-19I2	30.0 - 35.0	16.54	14.59	14.59	15.32	16.54
WCMW-20S	2.0 - 12.0	16.21	14.38	14.38	15.04	16.21
WCMW-20I	20.0 - 25.0	16.31	14.37	14.37	15.10	16.31
WCMW-20I2	30.0 - 35.0	16.32	14.39	14.39	15.11	16.32
WCMW-21S	2.0 - 12.0	16.22	14.35	14.35	15.07	16.22
WCMW-21I	20.0 - 25.0	16.20	14.34	14.34	15.07	16.20
WCMW-21I2	30.0 - 35.0	16.23	14.33	14.33	15.05	16.23
WCMW-22S	2.0 - 12.0	15.90	NC	14.86	15.38	15.90
WCMW-22I	25.0 - 30.0	15.76	NC	14.78	15.27	15.76
WCMW-23S	3.0 - 13.0	15.62	NC	15.62	15.62	15.62
WCMW-23I	25.0 - 30.0	15.64	NC	15.64	15.64	15.64
WCMW-24S	2.0 - 12.0	15.64	NC	14.61	15.13	15.64
WCMW-24I	20.0 - 25.0	15.31	NC	14.31	14.81	15.31
WCMW-24I2	30.0 - 35.0	15.40	NC	14.46	14.93	15.40
WCMW-25I	30.0 - 35.0	15.10	13.41	13.41	14.28	15.10
WCMW-25D	55.0 - 60.0	15.07	13.34	13.34	14.19	15.07
WCMW-26S	2.0 - 12.0	17.37	NC	16.27	16.82	17.37
WCMW-26I	20.0 - 25.0	17.91	NC	16.83	17.37	17.91
WCMW-26I2	30.0 - 35.0	18.16	NC	17.13	17.65	18.16
WCMW-27S	2.0 - 12.0	15.91	13.86	13.86	14.91	15.91
WCMW-27I	20.0 - 25.0	15.30	14.01	14.01	14.72	15.30
WCMW-28S	2.0 - 12.0	16.01	14.08	14.08	15.02	16.01
WCMW-28I	20.0 - 25.0	14.96	14.15	14.15	14.70	14.99

Notes:
NC - Not Calculated
bgs - below ground surface
Well Elevations obtained from 2007 survey or later and reference NAVD 88 datum
** 2007 Groundwater Elevation Data not Available. Groundwater elevation data presented is in reference to the NGVD29 Datum

Table 4-1
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 bgs)	Total BTEX Groundwater Concentrations (ug/L)								
		Sampling Date								
		1992	1999		2002			2003		
		Sep	Sep	Oct/Nov	Apr/May	Jun/Jul	Nov/Dec	Feb/Apr	Jul/Aug	Sep/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-36S	5.0 - 15.0	0	0	0	0	0	0	0	0	0
BBMW-36I	25.0 - 30.0	0	0	0	0	0	0	0	0	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	--	--	--	--	--	--	--	--	--

Table 4-1
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 bgs)	Total BTEX Groundwater Concentrations (ug/L)								
		Sampling Date								
		1992	1999		2002			2003		
		Sep	Sep	Oct/Nov	Apr/May	Jun/Jul	Nov/Dec	Feb/Apr	Jul/Aug	Sep/Oct
OU2MW-49S	3.0 - 13.0	--	--	--	--	--	--	--	--	--
OU2MW-49I	25.0 - 30.0	--	--	--	--	--	--	--	--	--
OU2MW-49I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--
OU2MW-49D	63.0 - 68.0	--	--	--	--	--	--	--	--	--
OU2MW-57S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OU2MW-57I	20.0 - 30.0	--	--	--	--	--	--	--	--	--
OU2MW-57I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--
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-19S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OZMW-19I	20.0 - 30.0	--	--	--	--	--	--	--	--	--
OZMW-19I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--
OZMW-19D	55.0 - 65.0	--	--	--	--	--	--	--	--	--
OZMW-21S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OZMW-21I	20.0 - 30.0	--	--	--	--	--	--	--	--	--
OZMW-21I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--
OZMW-21D	55.0 - 65.0	--	--	--	--	--	--	--	--	--
OZMW-22S/22SR	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OZMW-22I/22IR	20.0 - 30.0	--	--	--	--	--	--	--	--	--
OZMW-22I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--
OZMW-22D	55.0 - 65.0	--	--	--	--	--	--	--	--	--
OZMW-23S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OZMW-23I	20.0 - 30.0	--	--	--	--	--	--	--	--	--
OZMW-23I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--
OZMW-23D	55.0 - 65.0	--	--	--	--	--	--	--	--	--
OZMW-24S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OZMW-24I	20.0 - 30.0	--	--	--	--	--	--	--	--	--
OZMW-24I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--
OZMW-24D	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	--	--	--	--	--	--	--	--	--
OZMW-26S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OZMW-26I	20.0 - 30.0	--	--	--	--	--	--	--	--	--
OZMW-26I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--
OZMW-26D	55.0 - 65.0	--	--	--	--	--	--	--	--	--

Table 4-1
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 bgs)	Total BTEX Groundwater Concentrations (ug/L)								
		Sampling Date								
		2004				2005				2006
		Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	Jun	Aug	Nov/Dec	Mar
BBMW-05D	64.0 - 74.0	1,890	--	--	--	680	--	--	--	890
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
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-36S	5.0 - 15.0	0	0	0	0	0	0	0	0	0
BBMW-36I	25.0 - 30.0	0	0	0	0	0	0	0	0	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
MW-03D	35.0 - 45.0	0	--	--	--	--	--	--	--	0
MW-05S	4.0 - 14.0	21,660	--	--	--	24,395	--	--	--	14,197
MW-05D	35.5 - 45.5	0	--	--	--	0	--	--	--	12
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	--	--	--	--	--	--	--	--	--

Table 4-1
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 bgs)	Total BTEX Groundwater Concentrations (ug/L)								
		Sampling Date								
		2004				2005				2006
		Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	Jun	Aug	Nov/Dec	Mar
OU2MW-49S	3.0 - 13.0	--	--	--	--	--	--	--	--	--
OU2MW-49I	25.0 - 30.0	--	--	--	--	--	--	--	--	--
OU2MW-49I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--
OU2MW-49D	63.0 - 68.0	--	--	--	--	--	--	--	--	--
OU2MW-57S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OU2MW-57I	20.0 - 30.0	--	--	--	--	--	--	--	--	--
OU2MW-57I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--
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-19S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OZMW-19I	20.0 - 30.0	--	--	--	--	--	--	--	--	--
OZMW-19I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--
OZMW-19D	55.0 - 65.0	--	--	--	--	--	--	--	--	--
OZMW-21S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OZMW-21I	20.0 - 30.0	--	--	--	--	--	--	--	--	--
OZMW-21I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--
OZMW-21D	55.0 - 65.0	--	--	--	--	--	--	--	--	--
OZMW-22S/22SR	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OZMW-22I/22IR	20.0 - 30.0	--	--	--	--	--	--	--	--	--
OZMW-22I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--
OZMW-22D	55.0 - 65.0	--	--	--	--	--	--	--	--	--
OZMW-23S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OZMW-23I	20.0 - 30.0	--	--	--	--	--	--	--	--	--
OZMW-23I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--
OZMW-23D	55.0 - 65.0	--	--	--	--	--	--	--	--	--
OZMW-24S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OZMW-24I	20.0 - 30.0	--	--	--	--	--	--	--	--	--
OZMW-24I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--
OZMW-24D	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	--	--	--	--	--	--	--	--	--
OZMW-26S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OZMW-26I	20.0 - 30.0	--	--	--	--	--	--	--	--	--
OZMW-26I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--
OZMW-26D	55.0 - 65.0	--	--	--	--	--	--	--	--	--

Table 4-1
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 bgs)	Total BTEX Groundwater Concentrations (ug/L)								
		Sampling Date								
		2006			2007				2008	
		Jun	Jul/Aug	Nov/Dec	Mar	May/Jul	Aug/Oct	Oct/Dec	Jan/Mar	Apr/Jul
BBMW-05D	64.0 - 74.0	1,267	3,150	553	1,597	613	21	399	717	727
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
BBMW-20D	62.0 - 72.0	--	--	--	1,540	1,800	1,359	--	--	--
BBMW-22S	5.0 - 10.0	10,300	--	--	10,850	10,420	14,810	7,150	5,816	7,340
BBMW-22I	30.0 - 40.0	--	--	--	0	43	37	32	31	32
BBMW-22D	64.0 - 74.0	--	--	--	1,558	1,580	2,807	3,126	2,356	3,126
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
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-36S	5.0 - 15.0	0	0	0	0	0	0	0	0	0
BBMW-36I	25.0 - 30.0	0	0	0	0	0	0	0	0	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	31	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	17,327	18,100	24,600	48,430	15,905	12,929	18,130	15,095	8,060
MW-05D	35.5 - 45.5	0	0	0	0	18	22	0	0	0
MW-09S	4.0 - 14.0	--	--	--	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	--	--	--	--	--	--	--	--	--

Table 4-1
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 bgs)	Total BTEX Groundwater Concentrations (ug/L)								
		Sampling Date								
		2006			2007				2008	
		Jun	Jul/Aug	Nov/Dec	Mar	May/Jul	Aug/Oct	Oct/Dec	Jan/Mar	Apr/Jul
OU2MW-49S	3.0 - 13.0	--	--	--	--	--	--	--	--	--
OU2MW-49I	25.0 - 30.0	--	--	--	--	--	--	--	--	--
OU2MW-49I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--
OU2MW-49D	63.0 - 68.0	--	--	--	--	--	--	--	--	--
OU2MW-57S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OU2MW-57I	20.0 - 30.0	--	--	--	--	--	--	--	--	--
OU2MW-57I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--
OZMW-16S	5.0 - 15.0	--	--	--	--	--	--	--	4,685	0
OZMW-16I	20.0 - 30.0	--	--	--	--	--	--	--	512	105
OZMW-16I2	35.0 - 45.0	--	--	--	--	--	--	--	3	4
OZMW-16D	55.0 - 65.0	--	--	--	--	--	--	--	0	0
OZMW-17S	5.0 - 15.0	--	--	--	--	--	--	--	1,664	78
OZMW-17I	20.0 - 30.0	--	--	--	--	--	--	--	1,316	82
OZMW-17I2	35.0 - 45.0	--	--	--	--	--	--	--	0	0
OZMW-17D	53.0 - 63.0	--	--	--	--	--	--	--	0	0
OZMW-18S	5.0 - 15.0	--	--	--	--	--	--	--	3,160	54
OZMW-18I	20.0 - 30.0	--	--	--	--	--	--	--	3,600	169
OZMW-18I2	35.0 - 45.0	--	--	--	--	--	--	--	201	95
OZMW-18D	55.0 - 65.0	--	--	--	--	--	--	--	77	31
OZMW-19S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OZMW-19I	20.0 - 30.0	--	--	--	--	--	--	--	--	--
OZMW-19I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--
OZMW-19D	55.0 - 65.0	--	--	--	--	--	--	--	--	--
OZMW-21S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OZMW-21I	20.0 - 30.0	--	--	--	--	--	--	--	--	--
OZMW-21I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--
OZMW-21D	55.0 - 65.0	--	--	--	--	--	--	--	--	--
OZMW-22S/22SR	5.0 - 15.0	--	--	--	--	--	--	--	7,077	7,480
OZMW-22I/22IR	20.0 - 30.0	--	--	--	--	--	--	--	0	0
OZMW-22I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--
OZMW-22D	55.0 - 65.0	--	--	--	--	--	--	--	--	--
OZMW-23S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OZMW-23I	20.0 - 30.0	--	--	--	--	--	--	--	--	--
OZMW-23I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--
OZMW-23D	55.0 - 65.0	--	--	--	--	--	--	--	--	--
OZMW-24S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OZMW-24I	20.0 - 30.0	--	--	--	--	--	--	--	--	--
OZMW-24I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--
OZMW-24D	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	--	--	--	--	--	--	--	--	--
OZMW-26S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OZMW-26I	20.0 - 30.0	--	--	--	--	--	--	--	--	--
OZMW-26I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--
OZMW-26D	55.0 - 65.0	--	--	--	--	--	--	--	--	--

Table 4-1
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 bgs)	Total BTEX Groundwater Concentrations (ug/L)								
		Sampling Date								
		2008		2009				2010		
		Jul/Sep	Oct/Dec	Jan/Mar	Apr/Jun	Jul/Sep	Oct/Dec	Jan/Mar	Apr/Jun	Apr/Jun
BBMW-05D	64.0 - 74.0	790	1,414	482	880	1,016	1,029	933	893	893
BBMW-05D2	126.5 - 136.5	--	--	7	--	--	--	--	--	--
BBMW-13D	62.0 - 72.0	--	--	0	--	--	--	0	2	2
BBMW-20S	4.0 - 14.0	--	--	--	--	--	--	--	--	--
BBMW-20I	35.0 - 45.0	6	8	8	3	5	10	12	10	10
BBMW-20D	62.0 - 72.0	--	--	--	--	--	--	--	--	--
BBMW-22S	5.0 - 10.0	9,140	10,770	10,730	7,820	9,600	10,010	9,920	9,280	9,280
BBMW-22I	30.0 - 40.0	38	42	43	111	199	170	164	257	257
BBMW-22D	64.0 - 74.0	4,810	2,835	2,314	4,329	4,010	1,692	921	1,893	1,893
BBMW-26S	6.0 - 16.0	--	--	0	--	--	--	0	--	--
BBMW-26I	30.0 - 40.0	--	--	8	--	--	--	0	--	--
BBMW-27S	5.0 - 15.0	0	0	0	0	1	0	0	0	0
BBMW-27I	30.0 - 40.0	--	--	0	0	--	--	0	--	--
BBMW-34S	5.0 - 15.0	--	--	--	--	749	885	634	696	696
BBMW-34I	25.0 - 30.0	--	--	--	--	3,109	3,547	2,360	2,714	2,714
BBMW-34I2	40.0 - 45.0	--	--	--	--	196	192	174	219	219
BBMW-34D	65.0 - 70.0	--	--	--	--	8	0	0	0	0
BBMW-36S	5.0 - 15.0	0	0	0	0	--	7	8	24	24
BBMW-36I	25.0 - 30.0	0	0	0	0	--	0	0	0	0
BBMW-38S	5.0 - 15.0	--	--	--	--	49	9	3	4	4
BBMW-38I	25.0 - 30.0	--	--	--	--	9	7	10	6	6
BBMW-38I2	40.0 - 45.0	--	--	--	--	7	8	7	6	6
BBMW-38D	65.0 - 70.0	--	--	--	--	0	0	0	0	0
BBMW-39S	5.0 - 15.0	--	--	--	--	9,755	5,970	8,580	3,341	3,341
BBMW-39I	25.0 - 30.0	--	--	--	--	0	0	0	210	210
BBMW-39I2	45.0 - 50.0	--	--	--	--	0	0	0	0	0
BBMW-39D	65.0 - 70.0	--	--	--	--	1	0	0	0	0
BBMW-40S	5.0 - 15.0	--	--	--	--	5,069	5,987	1	10	10
BBMW-40I	25.0 - 30.0	--	--	--	--	5	12	26	12	12
BBMW-40I2	45.0 - 50.0	--	--	--	--	0	0	3	0	0
BBMW-40D	70.0 - 75.0	--	--	--	--	37	19	4	0	0
BBMW-41S	6.0 - 16.0	--	--	--	--	6,819	2,192	4,407	3,773	3,773
BBMW-41I	25.0 - 30.0	--	--	--	--	0	0	0	0	0
BBMW-41I2	45.0 - 50.0	--	--	--	--	2	1	0	0	0
BBMW-41D	65.0 - 70.0	--	--	--	--	0	0	0	0	0
MW-03S	3.0 - 13.0	--	--	34	28	--	--	30	7	7
MW-03D	35.0 - 45.0	--	--	0	0	--	--	0	0	0
MW-05S	4.0 - 14.0	14,554	2,304	9,600	2,655	7,891	9,341	7,150	1,311	1,311
MW-05D	35.5 - 45.5	7	5	26	29	22	15	7	14	14
MW-09S	4.0 - 14.0	0	0	0	0	0	0	0	0	0
MW-09I	30.0 - 40.0	--	--	0	--	--	--	0	0	0
MW-09I2	45.0 - 50.0	--	--	--	--	0	0	0	0	0
MW-09D	65.0 - 70.0	--	--	--	--	0	0	0	0	0
OU2MW-48S	3.0 - 13.0	--	--	--	8	6	0	0	0	0
OU2MW-48I	25.0 - 30.0	--	--	--	0	0	0	0	0	0
OU2MW-48I2	45.0 - 50.0	--	--	--	0	0	0	0	0	0
OU2MW-48D	65.0 - 70.0	--	--	--	0	0	0	0	0	0

Table 4-1
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 bgs)	Total BTEX Groundwater Concentrations (ug/L)								
		Sampling Date								
		2008		2009				2010		
		Jul/Sep	Oct/Dec	Jan/Mar	Apr/Jun	Jul/Sep	Oct/Dec	Jan/Mar	Apr/Jun	Apr/Jun
OU2MW-49S	3.0 - 13.0	--	--	--	0	0	1	0	0	0
OU2MW-49I	25.0 - 30.0	--	--	--	0	0	0	0	0	0
OU2MW-49I2	45.0 - 50.0	--	--	--	0	0	0	0	0	0
OU2MW-49D	63.0 - 68.0	--	--	--	0	0	0	0	0	0
OU2MW-57S	5.0 - 15.0	--	--	--	--	--	--	--	0	2,082
OU2MW-57I	20.0 - 30.0	--	--	--	--	--	--	--	0	4,716
OU2MW-57I2	35.0 - 45.0	--	--	--	--	--	--	--	0	0
OZMW-16S	5.0 - 15.0	0	0	0	0	0	0	0	0	0
OZMW-16I	20.0 - 30.0	136	189	441	775	585	37	0	0	0
OZMW-16I2	35.0 - 45.0	8	2	12	92	686	468	464	558	558
OZMW-16D	55.0 - 65.0	0	0	0	0	0	0	0	0	0
OZMW-17S	5.0 - 15.0	52	25	141	17	337	35	0	0	0
OZMW-17I	20.0 - 30.0	23	40	74	42	67	9	0	0	0
OZMW-17I2	35.0 - 45.0	0	0	0	36	8	14	35	0	0
OZMW-17D	53.0 - 63.0	0	0	0	0	0	4	15	0	0
OZMW-18S	5.0 - 15.0	212	24	244	0	5	1	0	0	0
OZMW-18I	20.0 - 30.0	25	84	178	149	449	0	0	0	0
OZMW-18I2	35.0 - 45.0	57	123	129	50	104	63	7	5	5
OZMW-18D	55.0 - 65.0	79	147	216	94	389	612	384	424	424
OZMW-19S	5.0 - 15.0	--	--	--	--	--	391	0	86	86
OZMW-19I	20.0 - 30.0	--	--	--	--	--	1,143	992	973	973
OZMW-19I2	35.0 - 45.0	--	--	--	--	--	827	1,105	1,332	1,332
OZMW-19D	55.0 - 65.0	--	--	--	--	--	76	14	0	0
OZMW-21S	5.0 - 15.0	--	--	--	--	--	8,270	4,406	5,400	5,400
OZMW-21I	20.0 - 30.0	--	--	--	--	--	428	542	342	342
OZMW-21I2	35.0 - 45.0	--	--	--	--	--	145	134	115	115
OZMW-21D	55.0 - 65.0	--	--	--	--	--	10	6	14	14
OZMW-22S/22SR	5.0 - 15.0	7,381	6,074	11,947	5,605	6,942	4,305	--	3,477	3,477
OZMW-22I/22IR	20.0 - 30.0	0	0	607	43	17	8	--	564	564
OZMW-22I2	35.0 - 45.0	--	0	2	0	0	0	--	--	--
OZMW-22D	55.0 - 65.0	--	0	0	0	0	0	--	--	--
OZMW-23S	5.0 - 15.0	--	--	--	--	--	3	0	0	0
OZMW-23I	20.0 - 30.0	--	--	--	--	--	8	0	0	0
OZMW-23I2	35.0 - 45.0	--	--	--	--	--	11	1	0	0
OZMW-23D	55.0 - 65.0	--	--	--	--	--	20	33	24	24
OZMW-24S	5.0 - 15.0	--	--	--	--	--	25	13	13	13
OZMW-24I	20.0 - 30.0	--	--	--	--	--	22	0	0	0
OZMW-24I2	35.0 - 45.0	--	--	--	--	--	140	143	191	191
OZMW-24D	55.0 - 65.0	--	--	--	--	--	1,595	1,387	1,164	1,164
OZMW-25S	5.0 - 15.0	--	--	--	1,691	1,724	2,883	3,070	2,365	2,365
OZMW-25I	20.0 - 30.0	--	--	--	198	248	257	310	291	291
OZMW-25I2	35.0 - 45.0	--	--	--	91	177	158	141	196	196
OZMW-25D	55.0 - 65.0	--	--	--	0	0	0	0	0	0
OZMW-26S	5.0 - 15.0	--	--	--	--	--	44	18	5	5
OZMW-26I	20.0 - 30.0	--	--	--	--	--	9	0	0	0
OZMW-26I2	35.0 - 45.0	--	--	--	--	--	393	159	48	48
OZMW-26D	55.0 - 65.0	--	--	--	--	--	0	0	0	0

Table 4-1
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 bgs)	Total BTEX Groundwater Concentrations (ug/L)					
		Sampling Date 2010 Jul/Sep	Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
BBMW-05D	64.0 - 74.0	850	0	3,150	956	0	3,150
BBMW-05D2	126.5 - 136.5	0	0	16	5	0	16
BBMW-13D	62.0 - 72.0	0	0	2	0	0	2
BBMW-20S	4.0 - 14.0	--	173	19,133	8,973	173	19,133
BBMW-20I	35.0 - 45.0	3	0	193	56	0	193
BBMW-20D	62.0 - 72.0	--	1,359	9,639	3,569	1,359	9,639
BBMW-22S	5.0 - 10.0	7,350	5,816	25,800	12,296	5,816	25,800
BBMW-22I	30.0 - 40.0	218	0	257	73	0	257
BBMW-22D	64.0 - 74.0	1,972	921	8,600	3,058	921	8,600
BBMW-26S	6.0 - 16.0	--	0	0	0	0	0
BBMW-26I	30.0 - 40.0	--	0	8	1	0	8
BBMW-27S	5.0 - 15.0	0	0	1	0	0	1
BBMW-27I	30.0 - 40.0	--	0	0	0	0	0
BBMW-34S	5.0 - 15.0	843	634	885	732	634	885
BBMW-34I	25.0 - 30.0	3,757	2,360	3,547	2,889	2,360	3,757
BBMW-34I2	40.0 - 45.0	229	174	219	200	174	229
BBMW-34D	65.0 - 70.0	0	0	8	2	0	8
BBMW-36S	5.0 - 15.0	7	0	24	2	0	24
BBMW-36I	25.0 - 30.0	0	0	0	0	0	0
BBMW-38S	5.0 - 15.0	186	3	49	14	3	186
BBMW-38I	25.0 - 30.0	9	6	10	8	6	10
BBMW-38I2	40.0 - 45.0	6	6	8	7	6	8
BBMW-38D	65.0 - 70.0	0	0	0	0	0	0
BBMW-39S	5.0 - 15.0	5,362	3,341	9,755	6,197	3,341	9,755
BBMW-39I	25.0 - 30.0	0	0	210	84	0	210
BBMW-39I2	45.0 - 50.0	0	0	0	0	0	0
BBMW-39D	65.0 - 70.0	0	0	1	0	0	1
BBMW-40S	5.0 - 15.0	6,390	1	5,987	2,215	1	6,390
BBMW-40I	25.0 - 30.0	0	5	26	13	0	26
BBMW-40I2	45.0 - 50.0	0	0	3	1	0	3
BBMW-40D	70.0 - 75.0	1	0	37	12	0	37
BBMW-41S	6.0 - 16.0	3,099	2,192	6,819	4,193	2,192	6,819
BBMW-41I	25.0 - 30.0	0	0	0	0	0	0
BBMW-41I2	45.0 - 50.0	0	0	2	1	0	2
BBMW-41D	65.0 - 70.0	0	0	0	0	0	0
MW-03S	3.0 - 13.0	20	0	361	56	0	361
MW-03D	35.0 - 45.0	0	0	0	0	0	0
MW-05S	4.0 - 14.0	3,333	1,311	48,430	17,202	1,311	48,430
MW-05D	35.5 - 45.5	25	0	253	19	0	253
MW-09S	4.0 - 14.0	0	0	29	1	0	29
MW-09I	30.0 - 40.0	4	0	4	1	0	4
MW-09I2	45.0 - 50.0	0	0	0	0	0	0
MW-09D	65.0 - 70.0	0	0	0	0	0	0
OU2MW-48S	3.0 - 13.0	0	0	8	2	0	8
OU2MW-48I	25.0 - 30.0	0	0	0	0	0	0
OU2MW-48I2	45.0 - 50.0	0	0	0	0	0	0
OU2MW-48D	65.0 - 70.0	0	0	0	0	0	0

Table 4-1
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 bgs)	Total BTEX Groundwater Concentrations (ug/L)					
		Sampling Date 2010 Jul/Sep	Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
OU2MW-49S	3.0 - 13.0	0	0	1	0	0	1
OU2MW-49I	25.0 - 30.0	0	0	0	0	0	0
OU2MW-49I2	45.0 - 50.0	0	0	0	0	0	0
OU2MW-49D	63.0 - 68.0	0	0	0	0	0	0
OU2MW-57S	5.0 - 15.0	308	2,082	2,082	2,082	308	2,082
OU2MW-57I	20.0 - 30.0	71	4,716	4,716	4,716	71	4,716
OU2MW-57I2	35.0 - 45.0	0	0	0	0	0	0
OZMW-16S	5.0 - 15.0	0	0	4,685	426	0	4,685
OZMW-16I	20.0 - 30.0	0	0	775	253	0	775
OZMW-16I2	35.0 - 45.0	855	2	686	260	2	855
OZMW-16D	55.0 - 65.0	0	0	0	0	0	0
OZMW-17S	5.0 - 15.0	0	0	1,664	214	0	1,664
OZMW-17I	20.0 - 30.0	0	0	1,316	150	0	1,316
OZMW-17I2	35.0 - 45.0	0	0	36	8	0	36
OZMW-17D	53.0 - 63.0	1	0	15	2	0	15
OZMW-18S	5.0 - 15.0	0	0	3,160	336	0	3,160
OZMW-18I	20.0 - 30.0	0	0	3,600	423	0	3,600
OZMW-18I2	35.0 - 45.0	1	5	201	76	1	201
OZMW-18D	55.0 - 65.0	186	31	612	262	31	612
OZMW-19S	5.0 - 15.0	73	0	391	141	0	391
OZMW-19I	20.0 - 30.0	914	973	1,143	1,020	914	1,143
OZMW-19I2	35.0 - 45.0	1,111	827	1,332	1,149	827	1,332
OZMW-19D	55.0 - 65.0	49	0	76	23	0	76
OZMW-21S	5.0 - 15.0	6,960	4,406	8,270	5,869	4,406	8,270
OZMW-21I	20.0 - 30.0	446	342	542	414	342	542
OZMW-21I2	35.0 - 45.0	177	115	145	127	115	177
OZMW-21D	55.0 - 65.0	12	6	14	11	6	14
OZMW-22S/22SR	5.0 - 15.0	4,121	3,477	11,947	6,377	3,477	11,947
OZMW-22I/22IR	20.0 - 30.0	214	0	607	180	0	607
OZMW-22I2	35.0 - 45.0	--	0	2	0	0	2
OZMW-22D	55.0 - 65.0	--	0	0	0	0	0
OZMW-23S	5.0 - 15.0	0	0	3	1	0	3
OZMW-23I	20.0 - 30.0	0	0	8	2	0	8
OZMW-23I2	35.0 - 45.0	0	0	11	3	0	11
OZMW-23D	55.0 - 65.0	0	20	33	25	0	33
OZMW-24S	5.0 - 15.0	5	13	25	16	5	25
OZMW-24I	20.0 - 30.0	0	0	22	6	0	22
OZMW-24I2	35.0 - 45.0	143	140	191	166	140	191
OZMW-24D	55.0 - 65.0	721	1,164	1,595	1,328	721	1,595
OZMW-25S	5.0 - 15.0	2,226	1,691	3,070	2,350	1,691	3,070
OZMW-25I	20.0 - 30.0	355	198	310	266	198	355
OZMW-25I2	35.0 - 45.0	306	91	196	160	91	306
OZMW-25D	55.0 - 65.0	0	0	0	0	0	0
OZMW-26S	5.0 - 15.0	24	5	44	18	5	44
OZMW-26I	20.0 - 30.0	0	0	9	2	0	9
OZMW-26I2	35.0 - 45.0	100	48	393	162	48	393
OZMW-26D	55.0 - 65.0	0	0	0	0	0	0

Notes for groundwater tables are compiled at the end of the Tables in this section.

Table 4-2
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 bgs)	Total PAH Groundwater Concentrations (ug/L)								
		Sampling Date								
		1992	1999		2002			2003		
		Sep	Sep	Oct/Nov	Apr/May	Jun/Jul	Nov/Dec	Feb/Apr	Jul/Aug	Sep/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-36S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
BBMW-36I	25.0 - 30.0	--	--	--	--	--	--	--	--	--
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	--	--	--	--	--
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	--	--	--	--	--	--	--	--	--

Table 4-2
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 bgs)	Total PAH Groundwater Concentrations (ug/L)								
		Sampling Date								
		1992	1999		2002			2003		
		Sep	Sep	Oct/Nov	Apr/May	Jun/Jul	Nov/Dec	Feb/Apr	Jul/Aug	Sep/Oct
OU2MW-49S	3.0 - 13.0	--	--	--	--	--	--	--	--	--
OU2MW-49I	25.0 - 30.0	--	--	--	--	--	--	--	--	--
OU2MW-49I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--
OU2MW-49D	63.0 - 68.0	--	--	--	--	--	--	--	--	--
OU2MW-57S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OU2MW-57I	20.0 - 30.0	--	--	--	--	--	--	--	--	--
OU2MW-57I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--
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-19S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OZMW-19I	20.0 - 30.0	--	--	--	--	--	--	--	--	--
OZMW-19I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--
OZMW-19D	55.0 - 65.0	--	--	--	--	--	--	--	--	--
OZMW-21S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OZMW-21I	20.0 - 30.0	--	--	--	--	--	--	--	--	--
OZMW-21I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--
OZMW-21D	55.0 - 65.0	--	--	--	--	--	--	--	--	--
OZMW-22S/22SR	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OZMW-22I/22IR	20.0 - 30.0	--	--	--	--	--	--	--	--	--
OZMW-22I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--
OZMW-22D	55.0 - 65.0	--	--	--	--	--	--	--	--	--
OZMW-23S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OZMW-23I	20.0 - 30.0	--	--	--	--	--	--	--	--	--
OZMW-23I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--
OZMW-23D	55.0 - 65.0	--	--	--	--	--	--	--	--	--
OZMW-24S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OZMW-24I	20.0 - 30.0	--	--	--	--	--	--	--	--	--
OZMW-24I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--
OZMW-24D	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	--	--	--	--	--	--	--	--	--
OZMW-26S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OZMW-26I	20.0 - 30.0	--	--	--	--	--	--	--	--	--
OZMW-26I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--
OZMW-26D	55.0 - 65.0	--	--	--	--	--	--	--	--	--

Table 4-2
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 bgs)	Total PAH Groundwater Concentrations (ug/L)								
		Sampling Date								
		2004				2005				2006
		Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	Jun	Aug	Nov/Dec	Mar
BBMW-05D	64.0 - 74.0	3,187	--	--	--	3,109	--	--	--	2,924
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
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-36S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
BBMW-36I	25.0 - 30.0	--	--	--	--	--	--	--	--	--
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
MW-03D	35.0 - 45.0	184	--	--	--	--	--	--	--	0
MW-05S	4.0 - 14.0	2,783	--	--	--	2,144	--	--	--	2,220
MW-05D	35.5 - 45.5	3,214	--	--	--	2,842	--	--	--	2,456
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	--	--	--	--	--	--	--	--	--

Table 4-2
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 bgs)	Total PAH Groundwater Concentrations (ug/L)								
		Sampling Date								
		2004				2005				2006
		Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	Jun	Aug	Nov/Dec	Mar
OU2MW-49S	3.0 - 13.0	--	--	--	--	--	--	--	--	--
OU2MW-49I	25.0 - 30.0	--	--	--	--	--	--	--	--	--
OU2MW-49I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--
OU2MW-49D	63.0 - 68.0	--	--	--	--	--	--	--	--	--
OU2MW-57S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OU2MW-57I	20.0 - 30.0	--	--	--	--	--	--	--	--	--
OU2MW-57I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--
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-19S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OZMW-19I	20.0 - 30.0	--	--	--	--	--	--	--	--	--
OZMW-19I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--
OZMW-19D	55.0 - 65.0	--	--	--	--	--	--	--	--	--
OZMW-21S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OZMW-21I	20.0 - 30.0	--	--	--	--	--	--	--	--	--
OZMW-21I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--
OZMW-21D	55.0 - 65.0	--	--	--	--	--	--	--	--	--
OZMW-22S/22SR	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OZMW-22I/22IR	20.0 - 30.0	--	--	--	--	--	--	--	--	--
OZMW-22I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--
OZMW-22D	55.0 - 65.0	--	--	--	--	--	--	--	--	--
OZMW-23S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OZMW-23I	20.0 - 30.0	--	--	--	--	--	--	--	--	--
OZMW-23I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--
OZMW-23D	55.0 - 65.0	--	--	--	--	--	--	--	--	--
OZMW-24S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OZMW-24I	20.0 - 30.0	--	--	--	--	--	--	--	--	--
OZMW-24I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--
OZMW-24D	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	--	--	--	--	--	--	--	--	--
OZMW-26S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OZMW-26I	20.0 - 30.0	--	--	--	--	--	--	--	--	--
OZMW-26I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--
OZMW-26D	55.0 - 65.0	--	--	--	--	--	--	--	--	--

Table 4-2
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 bgs)	Total PAH Groundwater Concentrations (ug/L)								
		Sampling Date								
		2006			2007				2008	
		Jun	Jul/Aug	Nov/Dec	Mar	May/Jul	Aug/Oct	Oct/Dec	Jan/Mar	Apr/Jul
BBMW-05D	64.0 - 74.0	352	4,492	2,386	2,371	1,233	40	930	981	1,203
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
BBMW-20D	62.0 - 72.0	--	--	--	2,289	4,688	5,460	--	--	--
BBMW-22S	5.0 - 10.0	2,214	--	--	1,634	2,931	3,629	3,189	24	25
BBMW-22I	30.0 - 40.0	--	--	--	4,696	4,283	4,879	5,212	5,536	4,290
BBMW-22D	64.0 - 74.0	--	--	--	2,725	3,310	5,374	8,516	4,257	4,894
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
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-36S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
BBMW-36I	25.0 - 30.0	--	--	--	--	--	--	--	--	--
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	11	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	1,647	2,493	1,652	1,647	1,294	1,630	1,431	1,699	144
MW-05D	35.5 - 45.5	435	1,984	3,122	1,113	142	55	741	2,644	390
MW-09S	4.0 - 14.0	--	--	--	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	--	--	--	--	--	--	--	--	--

Table 4-2
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 bgs)	Total PAH Groundwater Concentrations (ug/L)								
		Sampling Date								
		2006			2007				2008	
		Jun	Jul/Aug	Nov/Dec	Mar	May/Jul	Aug/Oct	Oct/Dec	Jan/Mar	Apr/Jul
OU2MW-49S	3.0 - 13.0	--	--	--	--	--	--	--	--	--
OU2MW-49I	25.0 - 30.0	--	--	--	--	--	--	--	--	--
OU2MW-49I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--
OU2MW-49D	63.0 - 68.0	--	--	--	--	--	--	--	--	--
OU2MW-57S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OU2MW-57I	20.0 - 30.0	--	--	--	--	--	--	--	--	--
OU2MW-57I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--
OZMW-16S	5.0 - 15.0	--	--	--	--	--	--	--	830	2
OZMW-16I	20.0 - 30.0	--	--	--	--	--	--	--	1,447	39
OZMW-16I2	35.0 - 45.0	--	--	--	--	--	--	--	0	219
OZMW-16D	55.0 - 65.0	--	--	--	--	--	--	--	1	0
OZMW-17S	5.0 - 15.0	--	--	--	--	--	--	--	1,963	1
OZMW-17I	20.0 - 30.0	--	--	--	--	--	--	--	5,197	5
OZMW-17I2	35.0 - 45.0	--	--	--	--	--	--	--	7	0
OZMW-17D	53.0 - 63.0	--	--	--	--	--	--	--	27	0
OZMW-18S	5.0 - 15.0	--	--	--	--	--	--	--	569	15
OZMW-18I	20.0 - 30.0	--	--	--	--	--	--	--	2,312	625
OZMW-18I2	35.0 - 45.0	--	--	--	--	--	--	--	8,178	7,353
OZMW-18D	55.0 - 65.0	--	--	--	--	--	--	--	1,684	461
OZMW-19S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OZMW-19I	20.0 - 30.0	--	--	--	--	--	--	--	--	--
OZMW-19I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--
OZMW-19D	55.0 - 65.0	--	--	--	--	--	--	--	--	--
OZMW-21S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OZMW-21I	20.0 - 30.0	--	--	--	--	--	--	--	--	--
OZMW-21I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--
OZMW-21D	55.0 - 65.0	--	--	--	--	--	--	--	--	--
OZMW-22S/22SR	5.0 - 15.0	--	--	--	--	--	--	--	2,191	2,555
OZMW-22I/22IR	20.0 - 30.0	--	--	--	--	--	--	--	0	0
OZMW-22I2	35.0 - 45.0	--	--	--	--	--	--	--	0	0
OZMW-22D	55.0 - 65.0	--	--	--	--	--	--	--	0	0
OZMW-23S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OZMW-23I	20.0 - 30.0	--	--	--	--	--	--	--	--	--
OZMW-23I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--
OZMW-23D	55.0 - 65.0	--	--	--	--	--	--	--	--	--
OZMW-24S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OZMW-24I	20.0 - 30.0	--	--	--	--	--	--	--	--	--
OZMW-24I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--
OZMW-24D	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	--	--	--	--	--	--	--	--	--
OZMW-26S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OZMW-26I	20.0 - 30.0	--	--	--	--	--	--	--	--	--
OZMW-26I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--
OZMW-26D	55.0 - 65.0	--	--	--	--	--	--	--	--	--

Table 4-2
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 bgs)	Total PAH Groundwater Concentrations (ug/L)								
		Sampling Date								
		2008		2009				2010		
		Jul/Sep	Oct/Dec	Jan/Mar	Apr/Jun	Jul/Sep	Oct/Dec	Jan/Mar	Apr/Jun	Jul/Sep
BBMW-05D	64.0 - 74.0	1,555	1,165	786	2,767	186	1,704	2,711	1,400	2,098
BBMW-05D2	126.5 - 136.5	--	--	0	--	--	--	--	--	0
BBMW-13D	62.0 - 72.0	--	--	0	--	--	--	0	0	0
BBMW-20S	4.0 - 14.0	--	--	0	--	--	--	--	--	--
BBMW-20I	35.0 - 45.0	348	165	1,150	137	657	78	157	37	471
BBMW-20D	62.0 - 72.0	--	--	0	--	--	--	--	--	--
BBMW-22S	5.0 - 10.0	1,961	1,972	1,664	986	2,329	3,239	4,564	3,290	3,210
BBMW-22I	30.0 - 40.0	4,686	4,680	4,949	6,539	4,155	5,071	5,634	6,469	4,653
BBMW-22D	64.0 - 74.0	6,442	5,681	5,140	8,539	5,411	3,812	4,425	4,301	5,276
BBMW-26S	6.0 - 16.0	--	--	0	--	--	--	0	--	--
BBMW-26I	30.0 - 40.0	--	--	0	--	--	--	0	--	--
BBMW-27S	5.0 - 15.0	2	0	0	0	0	0	0	0	0
BBMW-27I	30.0 - 40.0	--	--	0	0	--	--	0	--	--
BBMW-34S	5.0 - 15.0	--	--	--	--	969	524	612	440	468
BBMW-34I	25.0 - 30.0	--	--	--	--	2,223	1,887	3,283	1,592	2,562
BBMW-34I2	40.0 - 45.0	--	--	--	--	2,033	2,126	2,219	1,643	1,534
BBMW-34D	65.0 - 70.0	--	--	--	--	478	256	237	148	120
BBMW-36S	5.0 - 15.0	--	--	--	--	--	0	2	2	23
BBMW-36I	25.0 - 30.0	--	--	--	--	--	0	0	0	0
BBMW-38S	5.0 - 15.0	--	--	--	--	13	14	0	25	50
BBMW-38I	25.0 - 30.0	--	--	--	--	131	1,075	732	660	212
BBMW-38I2	40.0 - 45.0	--	--	--	--	706	931	211	574	116
BBMW-38D	65.0 - 70.0	--	--	--	--	0	0	0	0	0
BBMW-39S	5.0 - 15.0	--	--	--	--	914	488	1,627	18	761
BBMW-39I	25.0 - 30.0	--	--	--	--	45	1	0	231	2
BBMW-39I2	45.0 - 50.0	--	--	--	--	0	0	0	0	0
BBMW-39D	65.0 - 70.0	--	--	--	--	0	0	0	0	0
BBMW-40S	5.0 - 15.0	--	--	--	--	1,322	73	0	0	4,533
BBMW-40I	25.0 - 30.0	--	--	--	--	51	3	24	8	25
BBMW-40I2	45.0 - 50.0	--	--	--	--	0	0	0	0	0
BBMW-40D	70.0 - 75.0	--	--	--	--	0	0	0	0	0
BBMW-41S	6.0 - 16.0	--	--	--	--	3,264	623	1,532	5	764
BBMW-41I	25.0 - 30.0	--	--	--	--	0	0	0	0	0
BBMW-41I2	45.0 - 50.0	--	--	--	--	0	4	0	0	0
BBMW-41D	65.0 - 70.0	--	--	--	--	0	4	0	0	0
MW-03S	3.0 - 13.0	--	--	0	0	--	--	1	0	3
MW-03D	35.0 - 45.0	--	--	0	0	--	--	0	0	0
MW-05S	4.0 - 14.0	1,306	7	1,052	1	226	1,879	2,080	309	1,279
MW-05D	35.5 - 45.5	1,988	107	232	9	138	711	809	742	1,996
MW-09S	4.0 - 14.0	0	0	0	0	0	0	0	0	0
MW-09I	30.0 - 40.0	--	--	0	--	--	--	0	0	0
MW-09I2	45.0 - 50.0	--	--	--	--	0	0	0	0	0
MW-09D	65.0 - 70.0	--	--	--	--	0	0	0	0	0
OU2MW-48S	3.0 - 13.0	--	--	--	3	4	0	0	0	0
OU2MW-48I	25.0 - 30.0	--	--	--	0	0	0	0	0	0
OU2MW-48I2	45.0 - 50.0	--	--	--	0	0	0	0	0	0
OU2MW-48D	65.0 - 70.0	--	--	--	0	0	0	0	0	0

Table 4-2
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 bgs)	Total PAH Groundwater Concentrations (ug/L)								
		Sampling Date								
		2008		2009				2010		
		Jul/Sep	Oct/Dec	Jan/Mar	Apr/Jun	Jul/Sep	Oct/Dec	Jan/Mar	Apr/Jun	Jul/Sep
OU2MW-49S	3.0 - 13.0	--	--	--	0	0	0	0	0	0
OU2MW-49I	25.0 - 30.0	--	--	--	0	0	0	0	0	0
OU2MW-49I2	45.0 - 50.0	--	--	--	0	0	0	0	0	0
OU2MW-49D	63.0 - 68.0	--	--	--	0	0	1	0	0	0
OU2MW-57S	5.0 - 15.0	--	--	--	--	--	--	--	375	70
OU2MW-57I	20.0 - 30.0	--	--	--	--	--	--	--	72	0
OU2MW-57I2	35.0 - 45.0	--	--	--	--	--	--	--	0	0
OZMW-16S	5.0 - 15.0	0	0	0	0	0	0	0	0	0
OZMW-16I	20.0 - 30.0	22	440	153	72	1,167	31	0	0	0
OZMW-16I2	35.0 - 45.0	0	159	6	178	2,002	2,844	160	809	171
OZMW-16D	55.0 - 65.0	0	0	0	0	1	1	0	0	0
OZMW-17S	5.0 - 15.0	0	0	0	0	0	1	0	0	0
OZMW-17I	20.0 - 30.0	0	0	0	12	0	3	0	0	0
OZMW-17I2	35.0 - 45.0	2	0	0	62	0	7	6	0	0
OZMW-17D	53.0 - 63.0	0	3	2	0	4	65	391	12	5
OZMW-18S	5.0 - 15.0	0	2	0	0	0	0	0	0	0
OZMW-18I	20.0 - 30.0	7	600	9	149	68	15	1	0	0
OZMW-18I2	35.0 - 45.0	11,417	10,065	7,728	8,917	10,984	7,375	676	88	36
OZMW-18D	55.0 - 65.0	0	1,279	435	1,166	1,586	2,031	1,515	629	890
OZMW-19S	5.0 - 15.0	--	--	--	--	--	409	44	74	241
OZMW-19I	20.0 - 30.0	--	--	--	--	--	4,299	2,849	2,632	2,982
OZMW-19I2	35.0 - 45.0	--	--	--	--	--	5,346	4,551	1,409	4,346
OZMW-19D	55.0 - 65.0	--	--	--	--	--	471	485	0	245
OZMW-21S	5.0 - 15.0	--	--	--	--	--	4,403	2,697	3,466	5,177
OZMW-21I	20.0 - 30.0	--	--	--	--	--	4,402	6,135	5,202	5,315
OZMW-21I2	35.0 - 45.0	--	--	--	--	--	4,012	5,131	4,742	5,972
OZMW-21D	55.0 - 65.0	--	--	--	--	--	952	933	707	684
OZMW-22S/22SR	5.0 - 15.0	1,449	1,684	1,850	971	2,406	1,108	--	1,347	1,588
OZMW-22I/22IR	20.0 - 30.0	1	0	95	0	3	7	--	220	4
OZMW-22I2	35.0 - 45.0	0	0	0	0	0	0	--	--	--
OZMW-22D	55.0 - 65.0	0	49	0	0	0	0	--	--	--
OZMW-23S	5.0 - 15.0	--	--	--	--	--	25	0	1	0
OZMW-23I	20.0 - 30.0	--	--	--	--	--	0	0	0	0
OZMW-23I2	35.0 - 45.0	--	--	--	--	--	6	0	0	0
OZMW-23D	55.0 - 65.0	--	--	--	--	--	38	51	26	3
OZMW-24S	5.0 - 15.0	--	--	--	--	--	6	0	160	0
OZMW-24I	20.0 - 30.0	--	--	--	--	--	0	0	0	0
OZMW-24I2	35.0 - 45.0	--	--	--	--	--	4,805	5,033	5,122	3,128
OZMW-24D	55.0 - 65.0	--	--	--	--	--	5,323	4,857	5,198	2,399
OZMW-25S	5.0 - 15.0	--	--	--	4,595	3,968	3,480	2,919	3,550	3,504
OZMW-25I	20.0 - 30.0	--	--	--	3,276	849	4,046	3,756	3,252	292
OZMW-25I2	35.0 - 45.0	--	--	--	29	51	162	482	730	162
OZMW-25D	55.0 - 65.0	--	--	--	0	0	54	96	33	0
OZMW-26S	5.0 - 15.0	--	--	--	--	--	1	0	0	3
OZMW-26I	20.0 - 30.0	--	--	--	--	--	0	0	0	0
OZMW-26I2	35.0 - 45.0	--	--	--	--	--	60	23	0	0
OZMW-26D	55.0 - 65.0	--	--	--	--	--	0	7	0	0

Table 4-2
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 bgs)	Total PAH Groundwater Concentrations (ug/L)				
		Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
BBMW-05D	64.0 - 74.0	40	4,492	1,957	40	4,492
BBMW-05D2	126.5 - 136.5	0	147	29	0	147
BBMW-13D	62.0 - 72.0	0	40	3	0	40
BBMW-20S	4.0 - 14.0	0	15,000	2,962	0	15,000
BBMW-20I	35.0 - 45.0	37	8,636	3,324	37	8,636
BBMW-20D	62.0 - 72.0	0	14,594	5,722	0	14,594
BBMW-22S	5.0 - 10.0	24	4,780	2,687	24	4,780
BBMW-22I	30.0 - 40.0	3,500	8,810	5,580	3,500	8,810
BBMW-22D	64.0 - 74.0	2,725	145,100	12,709	2,725	145,100
BBMW-26S	6.0 - 16.0	0	24	3	0	24
BBMW-26I	30.0 - 40.0	0	1	0	0	1
BBMW-27S	5.0 - 15.0	0	2	0	0	2
BBMW-27I	30.0 - 40.0	0	0	0	0	0
BBMW-34S	5.0 - 15.0	440	969	636	440	969
BBMW-34I	25.0 - 30.0	1,592	3,283	2,246	1,592	3,283
BBMW-34I2	40.0 - 45.0	1,643	2,219	2,005	1,534	2,219
BBMW-34D	65.0 - 70.0	148	478	280	120	478
BBMW-36S	5.0 - 15.0	0	2	1	0	23
BBMW-36I	25.0 - 30.0	0	0	0	0	0
BBMW-38S	5.0 - 15.0	0	25	13	0	50
BBMW-38I	25.0 - 30.0	131	1,075	650	131	1,075
BBMW-38I2	40.0 - 45.0	211	931	606	116	931
BBMW-38D	65.0 - 70.0	0	0	0	0	0
BBMW-39S	5.0 - 15.0	18	1,627	762	18	1,627
BBMW-39I	25.0 - 30.0	0	231	69	0	231
BBMW-39I2	45.0 - 50.0	0	0	0	0	0
BBMW-39D	65.0 - 70.0	0	0	0	0	0
BBMW-40S	5.0 - 15.0	0	1,322	349	0	4,533
BBMW-40I	25.0 - 30.0	3	51	22	3	51
BBMW-40I2	45.0 - 50.0	0	0	0	0	0
BBMW-40D	70.0 - 75.0	0	0	0	0	0
BBMW-41S	6.0 - 16.0	5	3,264	1,356	5	3,264
BBMW-41I	25.0 - 30.0	0	0	0	0	0
BBMW-41I2	45.0 - 50.0	0	4	1	0	4
BBMW-41D	65.0 - 70.0	0	4	1	0	4
MW-03S	3.0 - 13.0	0	1,425	90	0	1,425
MW-03D	35.0 - 45.0	0	184	12	0	184
MW-05S	4.0 - 14.0	1	5,514	1,726	1	5,514
MW-05D	35.5 - 45.5	9	4,944	1,797	9	4,944
MW-09S	4.0 - 14.0	0	74	3	0	74
MW-09I	30.0 - 40.0	0	4	1	0	4
MW-09I2	45.0 - 50.0	0	0	0	0	0
MW-09D	65.0 - 70.0	0	0	0	0	0
OU2MW-48S	3.0 - 13.0	0	4	1	0	4
OU2MW-48I	25.0 - 30.0	0	0	0	0	0
OU2MW-48I2	45.0 - 50.0	0	0	0	0	0
OU2MW-48D	65.0 - 70.0	0	0	0	0	0

Table 4-2
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 bgs)	Total PAH Groundwater Concentrations (ug/L)				
		Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
OU2MW-49S	3.0 - 13.0	0	0	0	0	0
OU2MW-49I	25.0 - 30.0	0	0	0	0	0
OU2MW-49I2	45.0 - 50.0	0	0	0	0	0
OU2MW-49D	63.0 - 68.0	0	1	0	0	1
OU2MW-57S	5.0 - 15.0	375	375	375	70	375
OU2MW-57I	20.0 - 30.0	72	72	72	0	72
OU2MW-57I2	35.0 - 45.0	0	0	0	0	0
OZMW-16S	5.0 - 15.0	0	830	83	0	830
OZMW-16I	20.0 - 30.0	0	1,447	337	0	1,447
OZMW-16I2	35.0 - 45.0	0	2,844	638	0	2,844
OZMW-16D	55.0 - 65.0	0	1	0	0	1
OZMW-17S	5.0 - 15.0	0	1,963	197	0	1,963
OZMW-17I	20.0 - 30.0	0	5,197	522	0	5,197
OZMW-17I2	35.0 - 45.0	0	62	8	0	62
OZMW-17D	53.0 - 63.0	0	391	50	0	391
OZMW-18S	5.0 - 15.0	0	569	59	0	569
OZMW-18I	20.0 - 30.0	0	2,312	379	0	2,312
OZMW-18I2	35.0 - 45.0	88	11,417	7,278	36	11,417
OZMW-18D	55.0 - 65.0	0	2,031	1,079	0	2,031
OZMW-19S	5.0 - 15.0	44	409	176	44	409
OZMW-19I	20.0 - 30.0	2,632	4,299	3,260	2,632	4,299
OZMW-19I2	35.0 - 45.0	1,409	5,346	3,769	1,409	5,346
OZMW-19D	55.0 - 65.0	0	485	319	0	485
OZMW-21S	5.0 - 15.0	2,697	4,403	3,522	2,697	5,177
OZMW-21I	20.0 - 30.0	4,402	6,135	5,246	4,402	6,135
OZMW-21I2	35.0 - 45.0	4,012	5,131	4,628	4,012	5,972
OZMW-21D	55.0 - 65.0	707	952	864	684	952
OZMW-22S/22SR	5.0 - 15.0	971	2,555	1,729	971	2,555
OZMW-22I/22IR	20.0 - 30.0	0	220	36	0	220
OZMW-22I2	35.0 - 45.0	0	0	0	0	0
OZMW-22D	55.0 - 65.0	0	49	6	0	49
OZMW-23S	5.0 - 15.0	0	25	9	0	25
OZMW-23I	20.0 - 30.0	0	0	0	0	0
OZMW-23I2	35.0 - 45.0	0	6	2	0	6
OZMW-23D	55.0 - 65.0	26	51	38	3	51
OZMW-24S	5.0 - 15.0	0	160	55	0	160
OZMW-24I	20.0 - 30.0	0	0	0	0	0
OZMW-24I2	35.0 - 45.0	4,805	5,122	4,987	3,128	5,122
OZMW-24D	55.0 - 65.0	4,857	5,323	5,126	2,399	5,323
OZMW-25S	5.0 - 15.0	2,919	4,595	3,702	2,919	4,595
OZMW-25I	20.0 - 30.0	849	4,046	3,036	292	4,046
OZMW-25I2	35.0 - 45.0	29	730	291	29	730
OZMW-25D	55.0 - 65.0	0	96	37	0	96
OZMW-26S	5.0 - 15.0	0	1	0	0	3
OZMW-26I	20.0 - 30.0	0	0	0	0	0
OZMW-26I2	35.0 - 45.0	0	60	28	0	60
OZMW-26D	55.0 - 65.0	0	7	2	0	7

Notes for groundwater tables are compiled at the end of the Tables in this section.

Table 4-3
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	OU1	OU1	OU1
Sample Name:	NYS	BBMW-05D	BBMW-05D2R	BBMW-20I	BBMW-22S	BBMW-22I	BBMW-22D	BBMW-27S	MW-05S	MW-05D	MW-09S
Screened Interval:	AWQS	64-74 ft	127-137 ft	35-45 ft	5-10 ft	30-40 ft	64-74 ft	5-15 ft	4-14 ft	35.5-45.5 ft	4-14 ft
Sample Date:		8/9/2010	9/13/2010	9/14/2010	8/9/2010	8/6/2010	8/9/2010	8/19/2010	8/6/2010	8/6/2010	8/19/2010
BTEX (ug/L)											
Benzene	1	**16**	10 U	10 U	**500 D**	**170**	**2 J**	10 U	**13**	**17**	10 U
Toluene	5	**270 D**	10 U	10 U	**650 D**	**11**	**500 D**	10 U	**20**	**1 J**	10 U
Ethylbenzene	5	**84**	10 U	10 U	**2600 D**	**15**	**170**	10 U	**1300 D**	**1 J**	10 U
Xylene, total	5	**480**	10 U	**3 J**	**3600 D**	**22**	**1300 D**	10 U	**2000 D**	**6 J**	10 U
Total BTEX	NE	**850**	ND	**3**	**7350**	**218**	**1972**	ND	**3333**	**25**	ND
Other VOCs (ug/L)											
Methyl tert-butyl ether	10*	10 U	10 U	**5 J**	**2 J**	**9 J**	10 U	10 U	**1 J**	**42**	10 U
Non-carcinogenic PAHs (ug/L)											
Acenaphthene	20*	**4 J**	10 U	**3 J**	**11**	**170 DJ**	**67**	10 U	**21**	**19**	10 U
Acenaphthylene	NE	**55**	10 U	**41**	**110 DJ**	**14**	**160 DJ**	10 U	**6 J**	**330 D**	10 U
Anthracene	50*	**5 J**	10 U	10 U	**8 J**	**7 J**	**9 J**	10 U	**2 J**	**7 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
Fluoranthene	50*	**2 J**	10 U	10 U	**3 J**	**2 J**	**3 J**	10 U	10 U	**2 J**	10 U
Fluorene	50*	**12**	10 U	**8 J**	**34**	**38**	**46**	10 U	**10**	**46**	10 U
Methylnaphthalene, 2-	NE	**190 DJ**	10 U	**63**	**500 DJ**	**880 DJ**	**640 DJ**	10 U	**130 DJ**	**800 D**	10 U
Naphthalene	10*	**1800 D**	10 U	**350 D**	**2500 D**	**3500 D**	**4300 D**	10 U	**1100 D**	**750 D**	10 U
Phenanthrene	50*	**27**	10 U	**6 J**	**40**	**40**	**47**	10 U	**9 J**	**39**	10 U
Pyrene	50*	**3 J**	10 U	10 U	**4 J**	**2 J**	**4 J**	10 U	10 U	**3 J**	10 U
Total Non-carcinogenic PAHs	NE	**2098**	ND	**471**	**3210**	**4653**	**5276**	ND	**1278**	**1996**	ND
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	**1 J**	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 Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	**1**	ND	ND
Total PAHs (ug/L)											
Total PAHs	NE	**2098**	ND	**471**	**3210**	**4653**	**5276**	ND	**1279**	**1996**	ND
Other (ug/L)											
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA	**12000**

Table 4-3
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:	NYS AWQS	OU1	OU1	OU1
Sample Name:		MW-09I	MW-09I2	MW-09D
Screened Interval:		30-40 ft	45-50 ft	65-70 ft
Sample Date:		8/19/2010	8/19/2010	8/19/2010
BTEX (ug/L)				
Benzene	1	10 U	10 U	10 U
Toluene	5	10 U	10 U	10 U
Ethylbenzene	5	10 U	10 U	10 U
Xylene, total	5	**4 J**	10 U	10 U
Total BTEX	NE	**4**	ND	ND
Other VOCs (ug/L)				
Methyl tert-butyl ether	10*	10 U	**1 J**	**5 J**
Non-carcinogenic PAHs (ug/L)				
Acenaphthene	20*	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U
Benzo[g,h,i]perylene	NE	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U
Methylnaphthalene, 2-	NE	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U
Total Non-carcinogenic PAHs	NE	ND	ND	ND
Carcinogenic PAHs (ug/L)				
Benz[a]anthracene	0.002*	10 U	10 U	10 U
Benzo[a]pyrene	ND	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U
Dibenz[a,h]anthracene	NE	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U
Total Carcinogenic PAHs	NE	ND	ND	ND
Total PAHs (ug/L)				
Total PAHs	NE	ND	ND	ND
Other (ug/L)				
Sulfate	250000	**19300**	**23600**	**36400**

Notes for groundwater tables are compiled at the end of the Tables in this section.

Table 4-4
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	OU1	OU1	OU1
Sample Name:	NYS	BBMW-13D	BBMW-34S	BBMW-34I	BBMW-34I2	BBMW-34D	BBMW-36S	DUP-07 Q3	BBMW-36I	BBMW-38S	BBMW-38I	BBMW-38I2	BBMW-38D	BBMW-39S	DUP-06 Q3	BBMW-39I
Screened Interval:	AWQS	62-72 ft	5-15 ft	25-30 ft	40-45 ft	65-70 ft	5-15 ft	5-15 ft	25-30 ft	5-15 ft	25-30 ft	40-45 ft	65-70 ft	5-15 ft	5-15 ft	25-30 ft
Sample Date:		9/13/2010	8/4/2010	8/4/2010	8/4/2010	8/4/2010	8/6/2010	8/6/2010	8/6/2010	8/3/2010	8/3/2010	8/4/2010	8/3/2010	8/4/2010	8/4/2010	8/4/2010
Parent Sample:								BBMW-36S							BBMW-39S	
BTEX (ug/L)																
Benzene	1	10 U	**74**	**240 D**	**16**	10 U	**1 J**	10 U	10 U	**24**	**1 J**	**3 J**	10 U	**2400 D**	**2500 D**	10 U
Toluene	5	10 U	**9 J**	**37**	**4 J**	10 U	10 U	10 U	10 U	**9 J**	10 U	**2 J**	10 U	**52**	**53**	10 U
Ethylbenzene	5	10 U	**540 D**	**1700 D**	**100**	10 U	10 U	10 U	10 U	**53**	**1 J**	10 U	10 U	**2100 D**	**2300 D**	10 U
Xylene, m,p-	5	10 U	**110**	**1200 D**	**70**	10 U	10 U	**1 J**	10 U	**71**	**4 J**	**1 J**	10 U	**170**	**170**	10 U
Xylene, o-	5	10 U	**110**	**580 D**	**39**	10 U	**6 J**	**7 J**	10 U	**29**	**3 J**	10 U	10 U	**640 D**	**670 D**	10 U
Total BTEX	NE	ND	**843**	**3757**	**229**	ND	**7**	**8**	ND	**186**	**9**	**6**	ND	**5362**	**5693**	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 U	10 U	10 U	10 U	10 U
Acetone	50*	10 U	10 U	**11**	**3 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Allyl 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
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
Bromoform	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
Butadiene, 1,3-	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
Butanone, 2-	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
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
Carbon tetrachloride	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
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 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	**5 J**	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
Chlorotoluene	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
Cryofluorane	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
Cyclohexane	NE	10 U	**1 J**	**2 J**	10 U	10 U	10 U	10 U	10 U	**2 J**	10 U	10 U	10 U	**63**	**66**	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
Dibromoethane, 1,2-	0.0006	10 U	10 U	10 U	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, 1,3-	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 U	10 U	10 U	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, 1,1-	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 U	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 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloropropene, cis-1,3	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
Dichloropropene, trans-1,3	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
Dioxane, 1,4-	NE	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U
Ethanol	NE	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U
Heptane, 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
Hexachlorobutadiene	0.5	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
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	**14**	**15**	10 U
Hexanone, 2-	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
Isopropyl benzene	5	10 U	**29**	**41**	**5 J**	10 U	**7 J**	**8 J**	10 U	**4 J**	10 U	10 U	10 U	**53**	**53**	10 U
Methyl tert-butyl ether	10*	10 U	**4 J**	10 U	**5 J**	**3 J**	10 U	10 U	10 U	**2 J**	10 U	**15**	10 U	10 U	10 U	10 U
Methyl-2-pentanone, 4-	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
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	**980 D**	**1600 D**	**490 D**	**8 J**	10 U	10 U	10 U	**42**	**120**	**250 D**	10 U	**1300 D**	**1500 D**	**4 J**
Propanol, 2-	NE	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U
Propylbenzene, n-	5	10 U	**10**	**14**	**3 J**	10 U	**1 J**	**2 J**	10 U	**2 J**	10 U	10 U	10 U	**13**	**13**	10 U
Styrene	5	10 U	10 U	**20**	**12**	10 U	10 U	10 U	10 U	**3 J**	10 U	10 U	10 U	10 U	10 U	10 U

Table 4-4
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	OU1	OU1	OU1
Sample Name:	NYS	BBMW-13D	BBMW-34S	BBMW-34I	BBMW-34I2	BBMW-34D	BBMW-36S	DUP-07 Q3	BBMW-36I	BBMW-38S	BBMW-38I	BBMW-38I2	BBMW-38D	BBMW-39S	DUP-06 Q3	BBMW-39I
Screened Interval:	AWQS	62-72 ft	5-15 ft	25-30 ft	40-45 ft	65-70 ft	5-15 ft	5-15 ft	25-30 ft	5-15 ft	25-30 ft	40-45 ft	65-70 ft	5-15 ft	5-15 ft	25-30 ft
Sample Date:		9/13/2010	8/4/2010	8/4/2010	8/4/2010	8/4/2010	8/6/2010	8/6/2010	8/6/2010	8/3/2010	8/3/2010	8/4/2010	8/3/2010	8/4/2010	8/4/2010	8/4/2010
Parent Sample:								BBMW-36S							BBMW-39S	
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	10 U	10 U	10 U
Tetrachloroethane,1,1,2,2-	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
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	10 U
Tetrahydrofuran	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
Trans-1,2-dichloroethene	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
Trichloro-1,2,2-trifluoroethane, 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	10 U	10 U	10 U
Trichlorobenzene, 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	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	10 U	10 U	10 U	10 U
Trichloroethane, 1,1,2-	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
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	10 U
Trichlorofluoromethane	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
Trimethylbenzene 1,3,5-/P-ethyltoluene	5	10 U	**74**	**180**	**28**	10 U	**4 J**	**5 J**	10 U	**9 J**	**6 J**	**6 J**	10 U	**84**	**75**	10 U
Trimethylbenzene, 1,2,4-	5	10 U	**130**	**200 D**	**32**	10 U	**12**	**14**	10 U	**16**	**8 J**	**11**	10 U	**210 DJ**	**230 DJ**	10 U
Trimethylpentane, 2,2,4-	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	10 U	10 U	10 U
Vinyl acetate	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
Vinyl chloride	2	10 U	10 U	10 U	10 U	10 U	10 U	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	**62**	**120 DJ**	**160 DJ**	**2 J**	**2 J**	**2 J**	10 U	**3 J**	**14**	**4 J**	10 U	**75**	**74**	**2 J**
Acenaphthylene	NE	10 U	**1 J**	**79**	**16**	**5 J**	10 U	**1 J**	10 U	**2 J**	**94 D**	10 U	10 U	**7 J**	**7 J**	10 U
Anthracene	50*	10 U	**4 J**	**15**	**11**	**5 J**	10 U	10 U	10 U	**3 J**	**11**	**11**	10 U	**4 J**	**4 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	10 U
Fluoranthene	50*	10 U	**2 J**	**4 J**	**2 J**	**4 J**	10 U	10 U	10 U	**1 J**	**4 J**	**4 J**	10 U	**2 J**	**1 J**	10 U
Fluorene	50*	10 U	**29**	**66**	**50**	**15**	10 U	10 U	10 U	10 U	**45**	**42**	10 U	**27**	**26**	10 U
Methylnaphthalene, 2-	NE	10 U	**30**	**1100 D**	**920 D**	**35**	**21**	10 U	10 U	**2 J**	20 U	10 U	10 U	**89 DJ**	**86 DJ**	10 U
Naphthalene	10*	10 U	**310 D**	**1100 D**	**320 D**	**4 J**	10 U	10 U	10 U	**27**	10 U	10 U	10 U	**530 D**	**460 D**	10 U
Phenanthrene	50*	10 U	**27**	**73**	**51**	**44**	10 U	10 U	10 U	**10**	**37**	**49**	10 U	**25**	**25**	10 U
Pyrene	50*	10 U	**3 J**	**5 J**	**4 J**	**6 J**	10 U	10 U	10 U	**2 J**	**7 J**	**6 J**	10 U	**2 J**	**2 J**	10 U
Total Non-carcinogenic PAHs	NE	ND	**468**	**2562**	**1534**	**120**	**23**	**3**	ND	**50**	**212**	**116**	ND	**761**	**685**	**2**
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
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
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
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
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
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
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
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)																
Total PAHs	NE	ND	**468**	**2562**	**1534**	**120**	**23**	**3**	ND	**50**	**212**	**116**	ND	**761**	**685**	**2**
Total Metals (ug/L)																
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**64.8 B**	**106 B**	**51.8 B**
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.9 U	2.9 U	2.9 U
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**39.8 B**	**40.2 B**	**30 B**
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.28 B**	**0.2 B**	**0.6 B**
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.33 U	0.33 U	0.33 U
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**84200**	**86000**	**17800**
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.3 U	2.3 U	2.3 U
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.4 U	1.4 U	1.4 U
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**3 B**	**1.4 B**	**1.6 B**
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**960**	**902**	**182**
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.3 U	1.3 U	1.3 U

Table 4-4
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	OU1	OU1	OU1
Sample Name:	NYS	BBMW-13D	BBMW-34S	BBMW-34I	BBMW-34I2	BBMW-34D	BBMW-36S	DUP-07 Q3	BBMW-36I	BBMW-38S	BBMW-38I	BBMW-38I2	BBMW-38D	BBMW-39S	DUP-06 Q3	BBMW-39I
Screened Interval:	AWQS	62-72 ft	5-15 ft	25-30 ft	40-45 ft	65-70 ft	5-15 ft	5-15 ft	25-30 ft	5-15 ft	25-30 ft	40-45 ft	65-70 ft	5-15 ft	5-15 ft	25-30 ft
Sample Date:		9/13/2010	8/4/2010	8/4/2010	8/4/2010	8/4/2010	8/6/2010	8/6/2010	8/6/2010	8/3/2010	8/3/2010	8/4/2010	8/3/2010	8/4/2010	8/4/2010	8/4/2010
Parent Sample:								BBMW-36S							BBMW-39S	
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**16400**	**16800**	**3380 B**
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**240**	**252**	**1400**
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.1 U	0.1 U	0.1 U
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.5 U	1.5 U	1.5 U
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**6600**	**6620**	**3850 B**
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.8 U	2.8 U	2.8 U
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.32 U	0.32 U	**0.48 B**
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**42400**	**41600**	**37700**
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3 U	3 U	3 U
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**2.4 B**	**2.1 B**	1.1 U
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**13.7 B**	**21.1**	**15.1 B**
Other (ug/L)																
Alkalinity	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**271000**	**265000**	**30100**
Nitrogen, Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1010**	**1080**	**390**
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100 U	100 U	**2960**
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100 U	100 U	100 U
Nitrogen, Total	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1980**	**2000**	**3460**
Nitrogen, Total Kjeldahl	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1980**	**2000**	**500**
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	**11600**	**23800**	**16700**	**14500**	5000 U	5000 U	**19000**
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2000 U	2000 U	2000 U
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	50 U	50 U	50 U
Other (cfu/mL)																
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-4
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	OU1	OU1
Sample Name:	NYS	BBMW-39I2	BBMW-39D	BBMW-40S	BBMW-40I	BBMW-40I2	BBMW-40D	BBMW-41S	BBMW-41I	BBMW-41I2	BBMW-41D	MW-03S	MW-03D	OU2MW-48S	OU2MW-48I
Screened Interval:	AWQS	45-50 ft	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	3-13 ft	35-45 ft	3-13 ft	25-30 ft
Sample Date:		8/4/2010	8/4/2010	8/3/2010	8/3/2010	8/3/2010	8/3/2010	8/2/2010	8/2/2010	8/2/2010	8/2/2010	9/9/2010	9/9/2010	8/30/2010	8/31/2010
Parent Sample:															
BTEX (ug/L)															
Benzene	1	10 U	10 U	**88**	10 U	10 U	10 U	**2 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	5	10 U	10 U	**42**	10 U	10 U	10 U	**7 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	5	10 U	10 U	**3900 D**	10 U	10 U	**1 J**	**1200 D**	10 U	10 U	10 U	**11**	10 U	10 U	10 U
Xylene, m,p-	5	10 U	10 U	**1600 D**	10 U	10 U	10 U	**1200 D**	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene, o-	5	10 U	10 U	**760 D**	10 U	10 U	10 U	**690 D**	10 U	10 U	10 U	**9 J**	10 U	10 U	10 U
Total BTEX	NE	ND	ND	**6390**	ND	ND	**1**	**3099**	ND	ND	ND	**20**	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 U	10 U	10 U	10 U
Acetone	50*	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
Allyl 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
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
Bromoform	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	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Butadiene, 1,3-	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
Butanone, 2-	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
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
Carbon tetrachloride	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
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	10 U	10 U	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	**12**	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
Chlorotoluene	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
Cryofluorane	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
Cyclohexane	NE	10 U	10 U	**150**	10 U	10 U	10 U	**2 J**	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
Dibromoethane, 1,2-	0.0006	10 U	10 U	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, 1,3-	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 U	10 U	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, 1,1-	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 U	10 U	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 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloropropene, cis-1,3	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
Dichloropropene, trans-1,3	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
Dioxane, 1,4-	NE	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U
Ethanol	NE	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U
Heptane, n-	NE	10 U	10 U	**8 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	0.5	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
Hexane, n-	NE	10 U	10 U	**85**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexanone, 2-	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
Isopropyl benzene	5	10 U	10 U	**99**	10 U	10 U	10 U	**94**	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl tert-butyl ether	10*	**4 J**	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
Methyl-2-pentanone, 4-	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
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 U	**5900 D**	**2 J**	10 U	**2 J**	**2200 D**	10 U	10 U	10 U	**3 J**	10 U	10 U	10 U
Propanol, 2-	NE	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U
Propylbenzene, n-	5	10 U	10 U	**30**	10 U	10 U	10 U	**36**	10 U	10 U	10 U	**2 J**	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 4-4
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	OU1	OU1	OU1
Sample Name:	NYS	BBMW-39I2	BBMW-39D	BBMW-40S	BBMW-40I	BBMW-40I2	BBMW-40D	BBMW-41S	BBMW-41I	BBMW-41I2	BBMW-41D	MW-03S	MW-03D	OU2MW-48S	OU2MW-48I
Screened Interval:	AWQS	45-50 ft	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	3-13 ft	35-45 ft	3-13 ft	25-30 ft
Sample Date:		8/4/2010	8/4/2010	8/3/2010	8/3/2010	8/3/2010	8/3/2010	8/2/2010	8/2/2010	8/2/2010	8/2/2010	9/9/2010	9/9/2010	8/30/2010	8/31/2010
Parent Sample:															
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	10 U	10 U
Tetrachloroethane,1,1,2,2-	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
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 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trans-1,2-dichloroethene	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
Trichloro-1,2,2-trifluoroethane, 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	10 U	10 U
Trichlorobenzene, 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
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
Trichloroethane, 1,1,2-	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
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
Trichlorofluoromethane	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	5	10 U	10 U	**380**	**1 J**	10 U	10 U	**400**	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene, 1,2,4-	5	10 U	10 U	**340 DJ**	**2 J**	10 U	10 U	**520 D**	10 U	10 U	10 U	**5 J**	10 U	10 U	10 U
Trimethylpentane, 2,2,4-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**6 J**	10 U	**2 J**
Vinyl acetate	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
Vinyl chloride	2	10 U	10 U	10 U	10 U	10 U	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	**59**	**6 J**	10 U	10 U	**1 J**	10 U	10 U	10 U	**1 J**	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	**41**	**3 J**	10 U	10 U	**2 J**	10 U	10 U	10 U	**1 J**	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	**2 J**	**6 J**	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	**2 J**	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	**17**	10 U	10 U	10 U	**2 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylnaphthalene, 2-	NE	10 U	10 U	**400 DJ**	10 U	10 U	10 U	**76 DJ**	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	**4000 D**	10 U	10 U	10 U	**680 D**	10 U	10 U	10 U	**1 J**	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	**14**	**5 J**	10 U	10 U	**3 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	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
Total Non-carcinogenic PAHs	NE	ND	ND	**4533**	**25**	ND	ND	**764**	ND	ND	ND	**3**	ND	ND	ND
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 Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)															
Total PAHs	NE	ND	ND	**4533**	**25**	ND	ND	**764**	ND	ND	ND	**3**	ND	ND	ND
Total Metals (ug/L)															
Aluminum	NE	**51.2 B**	**117 B**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**49.4 B**	8 U
Antimony	3	2.9 U	2.9 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.9 U	2.9 U
Arsenic	25	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U
Barium	1000	**31.8 B**	**21.8 B**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**17.4 B**	**23.1 B**
Beryllium	3*	0.17 U	**0.29 B**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.47 B**	0.17 U
Cadmium	5	0.33 U	0.33 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.33 U	0.33 U
Calcium	NE	**13100**	**5150**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**35400**	**13900**
Chromium	50	2.3 U	2.3 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.3 U	2.3 U
Cobalt	NE	1.4 U	**3.2 B**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**2.1 B**	1.4 U
Copper	200	**1.4 B**	**1.1 B**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1.6 B**	**2.5 B**
Iron	300	**179**	**9510**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**2260**	**26.5 B**
Lead	25	1.3 U	**2.5 B**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1.6 B**	1.3 U

Table 4-4
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	OU1	OU1
Sample Name:	NYS	BBMW-39I2	BBMW-39D	BBMW-40S	BBMW-40I	BBMW-40I2	BBMW-40D	BBMW-41S	BBMW-41I	BBMW-41I2	BBMW-41D	MW-03S	MW-03D	OU2MW-48S	OU2MW-48I
Screened Interval:	AWQS	45-50 ft	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	3-13 ft	35-45 ft	3-13 ft	25-30 ft
Sample Date:		8/4/2010	8/4/2010	8/3/2010	8/3/2010	8/3/2010	8/3/2010	8/2/2010	8/2/2010	8/2/2010	8/2/2010	9/9/2010	9/9/2010	8/30/2010	8/31/2010
Parent Sample:															
Magnesium	35000*	**3820 B**	**1440 B**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**3340 B**	**3090 B**
Manganese	300	**929**	**98**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**46.4**	**192**
Mercury	0.7	0.1 U	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.1 U	0.1 U
Nickel	100	**1.6 B**	**6 B**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.5 U	1.5 U
Potassium	NE	**4260 B**	**1140 B**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**3920 B**	**3610 B**
Selenium	10	2.8 U	2.8 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**3.3 BN**	2.8 UN
Silver	50	0.32 U	**0.48 B**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.52 BN**	**0.37 BN**
Sodium	20000	**40000**	**14000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**5540**	**39600**
Thallium	0.5*	3 U	3 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3 U	3 U
Vanadium	NE	1.1 U	**1.6 B**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**2.1 B**	1.1 U
Zinc	2000*	**62.9**	**22**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**54.4**	**36.6**
Other (ug/L)															
Alkalinity	NE	**10800**	1000 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Ammonia	2000	100 U	100 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100 U	**420**
Nitrogen, Nitrate	10000	**4570**	100 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**640**	**1270**
Nitrogen, Nitrite	1000	100 U	100 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100 U	100 U
Nitrogen, Total	NE	**4570**	**310**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1290**	**1750**
Nitrogen, Total Kjeldahl	NE	100 U	**310**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**650**	**480**
Sulfate	250000	**25000**	**49800**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**22300**	**14300**
Sulfide	50*	2000 U	2000 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2000 U	2000 U
Total Phosphorous	NE	50 U	**120**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**60**	50 U
Other (cfu/mL)															
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**30**	**22**

Table 4-4
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	OU2	OU2	OU2	OU1	OU1	OU1	OU1
Sample Name:	NYS	OU2MW-48I2	DUP-16 Q3	OU2MW-48D	OU2MW-49S	OU2MW-49I	OU2MW-49I2	OU2MW-49D	OU2MW-57S	OU2MW-57I	OU2MW-57I2	OZMW-16S	OZMW-16I	OZMW-16I2	OZMW-16D
Screened Interval:	AWQS	45-50 ft	45-50 ft	65-70 ft	3-13 ft	25-30 ft	45-50 ft	63-68 ft	5-15 ft	20-30 ft	35-45 ft	5-15 ft	20-30 ft	35-45 ft	55-65 ft
Sample Date:		9/1/2010	9/1/2010	8/31/2010	8/24/2010	8/24/2010	8/24/2010	8/24/2010	9/13/2010	9/13/2010	9/13/2010	8/10/2010	8/10/2010	8/10/2010	8/10/2010
Parent Sample:			OU2MW-48I2												
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	**78**	10 U
Toluene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**3 J**	10 U	10 U	10 U	10 U	**17**	10 U
Ethylbenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**230 D**	**7 J**	10 U	10 U	10 U	**420 D**	10 U
Xylene, m,p-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**5 J**	**24**	10 U	10 U	10 U	**180**	10 U
Xylene, o-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**70**	**40**	10 U	10 U	10 U	**160 DJ**	10 U
Total BTEX	NE	ND	ND	ND	ND	ND	ND	ND	**308**	**71**	ND	ND	ND	**855**	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 U	10 U	10 U	10 U
Acetone	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	**2 J**	**1 J**
Allyl 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
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
Bromoform	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	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Butadiene, 1,3-	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
Butanone, 2-	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
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
Carbon tetrachloride	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
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	10 U	10 U	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	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
Chlorotoluene	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
Cryofluorane	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
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	**5 J**	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
Dibromoethane, 1,2-	0.0006	10 U	10 U	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, 1,3-	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 U	10 U	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, 1,1-	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 U	10 U	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 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloropropene, cis-1,3	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
Dichloropropene, trans-1,3	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
Dioxane, 1,4-	NE	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U
Ethanol	NE	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U
Heptane, 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
Hexachlorobutadiene	0.5	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
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	**3 J**	10 U
Hexanone, 2-	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
Isopropyl benzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**37**	10 U	10 U	10 U	10 U	**19**	10 U
Methyl tert-butyl ether	10*	10 U	10 U	10 U	10 U	10 U	**10**	10 U	10 U	10 U	**10**	10 U	10 U	**1 J**	10 U
Methyl-2-pentanone, 4-	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
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 U	10 U	10 U	10 U	10 U	10 U	**200 D**	**8 J**	10 U	10 U	10 U	**1600 D**	10 U
Propanol, 2-	NE	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U
Propylbenzene, n-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**24**	10 U	10 U	10 U	10 U	**9 J**	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 4-4
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	OU2	OU2	OU2	OU1	OU1	OU1	OU1
Sample Name:	NYS	OU2MW-48I2	DUP-16 Q3	OU2MW-48D	OU2MW-49S	OU2MW-49I	OU2MW-49I2	OU2MW-49D	OU2MW-57S	OU2MW-57I	OU2MW-57I2	OZMW-16S	OZMW-16I	OZMW-16I2	OZMW-16D
Screened Interval:	AWQS	45-50 ft	45-50 ft	65-70 ft	3-13 ft	25-30 ft	45-50 ft	63-68 ft	5-15 ft	20-30 ft	35-45 ft	5-15 ft	20-30 ft	35-45 ft	55-65 ft
Sample Date:		9/1/2010	9/1/2010	8/31/2010	8/24/2010	8/24/2010	8/24/2010	8/24/2010	9/13/2010	9/13/2010	9/13/2010	8/10/2010	8/10/2010	8/10/2010	8/10/2010
Parent Sample:			OU2MW-48I2												
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	10 U	10 U
Tetrachloroethane,1,1,2,2-	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
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 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trans-1,2-dichloroethene	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
Trichloro-1,2,2-trifluoroethane, 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	10 U	10 U
Trichlorobenzene, 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
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
Trichloroethane, 1,1,2-	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
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
Trichlorofluoromethane	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	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**120**	**9 J**	10 U	10 U	10 U	**100**	10 U
Trimethylbenzene, 1,2,4-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**210 D**	**5 J**	10 U	10 U	10 U	**130**	10 U
Trimethylpentane, 2,2,4-	NE	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
Vinyl acetate	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
Vinyl chloride	2	10 U	10 U	10 U	10 U	10 U	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	**12**	10 U	10 U	10 U	10 U	**14**	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**1 J**	10 U	10 U	10 U	10 U	**61**	10 U
Anthracene	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	**7 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*	10 U	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
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**7 J**	10 U	10 U	10 U	10 U	**35**	10 U
Methylnaphthalene, 2-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**6 J**	10 U	10 U	10 U	10 U	**12**	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**39**	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	**3 J**	10 U	10 U	10 U	10 U	**39**	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	**2 J**	10 U
Total Non-carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	**70**	ND	ND	ND	ND	**171**	ND
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 Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)															
Total PAHs	NE	ND	ND	ND	ND	ND	ND	ND	**70**	ND	ND	ND	ND	**171**	ND
Total Metals (ug/L)															
Aluminum	NE	8 U	8 U	**777**	**68.9 B**	**83.9 B**	**84.5 B**	**102 B**	NA	NA	NA	**48.8 B**	8 U	**12.2 B**	**79.9 B**
Antimony	3	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	NA	NA	NA	2.9 U	2.9 U	2.9 U	2.9 U
Arsenic	25	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	2.5 U	2.5 U	2.5 U	**10.4**
Barium	1000	**21 B**	**20.5 B**	**11.3 B**	**6.1 B**	**26 B**	**14.9 B**	**7.4 B**	NA	NA	NA	**17 B**	**45.8 B**	**26.4 B**	**12.5 B**
Beryllium	3*	0.17 U	**0.19 B**	0.17 U	**0.2 B**	**0.27 B**	**0.25 B**	**0.38 B**	NA	NA	NA	0.17 U	0.17 U	0.17 U	0.17 U
Cadmium	5	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	**0.42 B**	0.33 U	NA	NA	NA	0.33 U	0.33 U	0.33 U	0.33 U
Calcium	NE	**18100**	**17700**	**2930 B**	**33900**	**34800**	**15500**	**4410 B**	NA	NA	NA	**39000**	**52600**	**38900**	**7430**
Chromium	50	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	NA	NA	NA	2.3 U	2.3 U	2.3 U	2.3 U
Cobalt	NE	**1.9 B**	**1.9 B**	1.4 U	1.4 U	1.4 U	**2.8 B**	1.4 U	NA	NA	NA	1.4 U	1.4 U	**3.1 B**	**3.9 B**
Copper	200	0.64 U	0.64 U	**0.8 B**	**3.2 B**	**0.77 B**	0.64 U	0.64 U	NA	NA	NA	**5.2 B**	**4.6 B**	**2.6 B**	**1.2 B**
Iron	300	**24.1 B**	**20.3 B**	**1960**	**71.6 B**	**50.2 B**	**32.6 B**	**5340**	NA	NA	NA	**63.9 B**	**30.1 B**	**3430**	**11000**
Lead	25	**1.7 B**	1.3 U	**2.5 B**	1.3 U	**1.9 B**	**2.3 B**	**2.6 B**	NA	NA	NA	1.3 U	1.3 U	1.3 U	1.3 U

Table 4-4
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	OU2	OU2	OU2	OU1	OU1	OU1	OU1
Sample Name:	NYS	OU2MW-48I2	DUP-16 Q3	OU2MW-48D	OU2MW-49S	OU2MW-49I	OU2MW-49I2	OU2MW-49D	OU2MW-57S	OU2MW-57I	OU2MW-57I2	OZMW-16S	OZMW-16I	OZMW-16I2	OZMW-16D
Screened Interval:	AWQS	45-50 ft	45-50 ft	65-70 ft	3-13 ft	25-30 ft	45-50 ft	63-68 ft	5-15 ft	20-30 ft	35-45 ft	5-15 ft	20-30 ft	35-45 ft	55-65 ft
Sample Date:		9/1/2010	9/1/2010	8/31/2010	8/24/2010	8/24/2010	8/24/2010	8/24/2010	9/13/2010	9/13/2010	9/13/2010	8/10/2010	8/10/2010	8/10/2010	8/10/2010
Parent Sample:			OU2MW-48I2												
Magnesium	35000*	**4640 B**	**4530 B**	**1690 B**	**3640 B**	**6510**	**3140 B**	**1690 B**	NA	NA	NA	**8540**	**15300**	**14700**	**2430 B**
Manganese	300	**9300**	**9110**	**86.3**	**11.7 B**	**1040**	**12600**	**69.7**	NA	NA	NA	**67.8**	**393**	**321**	**191**
Mercury	0.7	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	NA	NA	0.1 U	0.1 U	0.1 U	0.1 U
Nickel	100	1.5 U	1.5 U	**7.3 B**	1.5 U	1.5 U	1.5 U	**1.9 B**	NA	NA	NA	**1.8 B**	**4.9 B**	**4.6 B**	**7.1 B**
Potassium	NE	**3840 B**	**3680 B**	**1360 B**	**3250 BE**	**3040 BE**	**2670 BE**	**1210 BE**	NA	NA	NA	**6320**	**5590**	**4600 B**	**1430 B**
Selenium	10	2.8 UN	2.8 UN	2.8 UN	2.8 U	2.8 U	2.8 U	2.8 U	NA	NA	NA	2.8 U	2.8 U	2.8 U	2.8 U
Silver	50	**1.2 BN**	**1.1 BN**	**0.52 BN**	0.32 UN	**0.37 BN**	**1 BN**	**0.52 BN**	NA	NA	NA	0.32 UN	0.32 UN	0.32 UN	0.32 UN
Sodium	20000	**39400**	**38200**	**7070**	**6830**	**49000**	**25800**	**8400**	NA	NA	NA	**13600 E**	**54900 E**	**62200 E**	**12500 E**
Thallium	0.5*	3 U	3 U	3 U	3 U	3 U	3 U	3 U	NA	NA	NA	3 U	3 U	3 U	3 U
Vanadium	NE	1.1 U	1.1 U	**1.5 B**	**9.9 B**	1.1 U	1.1 U	1.1 U	NA	NA	NA	**2.8 B**	1.1 U	1.1 U	1.1 U
Zinc	2000*	**8.9 B**	**7.7 B**	**23.9**	**48.6**	**13.1 B**	2.4 U	**39.8**	NA	NA	NA	**67.4**	**13.4 B**	**29**	**51.9**
Other (ug/L)															
Alkalinity	NE	NA	NA	NA	**74800**	**41500**	**42600**	**3300**	NA	NA	NA	**63700**	**174000**	**123000**	1000 U
Nitrogen, Ammonia	2000	**230**	**210**	**110**	**150**	**190**	**280**	100 U	NA	NA	NA	**190**	**110**	**240**	**290**
Nitrogen, Nitrate	10000	**490**	**490**	100 U	**630**	**4360**	**600**	100 U	NA	NA	NA	**550**	**170**	**140**	100 U
Nitrogen, Nitrite	1000	100 U	100 U	100 U	100 U	100 U	100 U	100 U	NA	NA	NA	100 U	100 U	100 U	100 U
Nitrogen, Total	NE	**1130**	**950**	**250**	**1150**	**4360**	**1080**	**240**	NA	NA	NA	**1100**	**560**	**880**	**520**
Nitrogen, Total Kjeldahl	NE	**640**	**460**	**250**	**520**	100 U	**480**	**240**	NA	NA	NA	**550**	**390**	**740**	**520**
Sulfate	250000	**14700**	**15700**	**7850**	**30100**	**20600**	**23500**	**12800**	NA	NA	NA	**68700**	**12100**	**31600**	**46400**
Sulfide	50*	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	NA	NA	NA	2000 U	2000 U	2000 U	2000 U
Total Phosphorous	NE	50 U	50 U	50 U	**360**	50 U	50 U	50 U	NA	NA	NA	50 U	50 U	50 U	50 U
Other (cfu/mL)															
Standard Plate Count	NE	**15**	**3**	**65**	**10**	**15**	**44**	**72**	NA	NA	NA	NA	NA	NA	NA

Table 4-4
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	OU1	OU1
Sample Name:	NYS	OZMW-17S	OZMW-17I	OZMW-17I2	OZMW-17D	OZMW-18S	DUP-09 Q3	OZMW-18I	OZMW-18I2	OZMW-18D	OZMW-19S	OZMW-19I	OZMW-19I2	OZMW-19D	OZMW-21S
Screened Interval:	AWQS	5-15 ft	20-30 ft	35-45 ft	53-63 ft	5-15 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	5-15 ft
Sample Date:		8/23/2010	8/23/2010	8/20/2010	8/20/2010	8/10/2010	8/10/2010	8/10/2010	8/10/2010	8/10/2010	8/5/2010	8/5/2010	8/5/2010	8/5/2010	8/5/2010
Parent Sample:							OZMW-18S								
BTEX (ug/L)															
Benzene	1	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**1 J**	10 U	**55**	**130**	**10**	**1700 D**
Toluene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**33**	10 U	**9 J**	**31**	10 U	**160**
Ethylbenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**26**	**25**	**550 D**	**410 D**	**8 J**	**1900 D**
Xylene, m,p-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**1 J**	**56**	**22**	**130**	**340**	**9 J**	**2000 D**
Xylene, o-	5	10 U	10 U	10 U	**1 J**	10 U	10 U	10 U	10 U	**70**	**26**	**170**	**200**	**22**	**1200 D**
Total BTEX	NE	ND	ND	ND	**1**	ND	ND	ND	**1**	**186**	**73**	**914**	**1111**	**49**	**6960**
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 U	10 U	10 U	10 U
Acetone	50*	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
Allyl 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
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
Bromoform	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	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Butadiene, 1,3-	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
Butanone, 2-	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
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
Carbon tetrachloride	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
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	10 U	10 U	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	**4 J**	10 U	10 U	10 U	10 U	**7 J**	**3 J**	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
Chlorotoluene	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
Cryofluorane	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
Cyclohexane	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**15**	**12**	10 U	**3 J**
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
Dibromoethane, 1,2-	0.0006	10 U	10 U	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, 1,3-	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 U	10 U	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, 1,1-	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 U	10 U	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 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloropropene, cis-1,3	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
Dichloropropene, trans-1,3	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
Dioxane, 1,4-	NE	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U
Ethanol	NE	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U
Heptane, n-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**8 J**	10 U	10 U
Hexachlorobutadiene	0.5	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
Hexane, n-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**17**	**24**	10 U	10 U
Hexanone, 2-	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
Isopropyl benzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**3 J**	**4 J**	**4 J**	**89**	**47**	**6 J**	**80**
Methyl tert-butyl ether	10*	10 U	10 U	**6 J**	10 U	10 U	**1 J**	**1 J**	**27**	**3 J**	10 U	10 U	10 U	**3 J**	10 U
Methyl-2-pentanone, 4-	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
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*	**1 J**	**2 J**	10 U	**5 J**	10 U	**1 J**	10 U	**160 D**	**1100 D**	**48**	**4400 D**	**5600 D**	**570 D**	**5700 D**
Propanol, 2-	NE	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U
Propylbenzene, n-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**1 J**	**7 J**	**2 J**	**33**	**32**	**1 J**	**52**
Styrene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**87**	**2 J**	10 U	**45**	10 U	10 U

Table 4-4
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	OU1	OU1
Sample Name:	NYS	OZMW-17S	OZMW-17I	OZMW-17I2	OZMW-17D	OZMW-18S	DUP-09 Q3	OZMW-18I	OZMW-18I2	OZMW-18D	OZMW-19S	OZMW-19I	OZMW-19I2	OZMW-19D	OZMW-21S
Screened Interval:	AWQS	5-15 ft	20-30 ft	35-45 ft	53-63 ft	5-15 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	5-15 ft
Sample Date:		8/23/2010	8/23/2010	8/20/2010	8/20/2010	8/10/2010	8/10/2010	8/10/2010	8/10/2010	8/10/2010	8/5/2010	8/5/2010	8/5/2010	8/5/2010	8/5/2010
Parent Sample:							OZMW-18S								
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	10 U	10 U
Tetrachloroethane,1,1,2,2-	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
Tetrachloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**1 J**	10 U	10 U	10 U	**1 J**	10 U	10 U
Tetrahydrofuran	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
Trans-1,2-dichloroethene	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
Trichloro-1,2,2-trifluoroethane, 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	10 U	10 U
Trichlorobenzene, 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
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
Trichloroethane, 1,1,2-	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
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
Trichlorofluoromethane	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	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**50**	**53**	**73**	**300**	**250**	**13**	**660 D**
Trimethylbenzene, 1,2,4-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**49**	**52**	**51**	**300 DJ**	**280 DJ**	**33**	**780 D**
Trimethylpentane, 2,2,4-	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
Vinyl acetate	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
Vinyl chloride	2	10 U	10 U	10 U	10 U	10 U	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	**2 J**	10 U	10 U	10 U	**7 J**	**6 J**	**13**	**130 DJ**	**40**	**7 J**	**83 E**
Acenaphthylene	NE	10 U	10 U	10 U	**1 J**	10 U	10 U	10 U	**8 J**	**44**	**27**	**8 J**	**220 DJ**	**41**	**130 DJ**
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**2 J**	**8 J**	**7 J**	**8 J**	**1 J**	**9 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	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	**4 J**	**2 J**	**2 J**	10 U	**4 J**
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**3 J**	10 U	**33**	**47**	**49**	**4 J**	**42**
Methylnaphthalene, 2-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**15**	**53**	**72**	**230 DJ**	**470 DJ**	**23**	**760 DJ**
Naphthalene	10*	10 U	10 U	10 U	**2 J**	10 U	10 U	10 U	10 U	**770 D**	**44**	**2500 D**	**3500 D**	**160 D**	**4100 D**
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**3 J**	**15**	**34**	**54**	**53**	**9 J**	**42**
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**6 J**	**4 J**	**4 J**	10 U	**6 J**
Total Non-carcinogenic PAHs	NE	ND	ND	ND	**5**	ND	ND	ND	**36**	**890**	**241**	**2982**	**4346**	**245**	**5176**
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	**1 J**
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 Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1**
Total PAHs (ug/L)															
Total PAHs	NE	ND	ND	ND	**5**	ND	ND	ND	**36**	**890**	**241**	**2982**	**4346**	**245**	**5177**
Total Metals (ug/L)															
Aluminum	NE	**113 B**	**73.3 B**	**78.1 B**	**90.9 B**	**18.8 B**	8 U	8 U	8 U	**29.6 B**	**64.7 B**	**48.7 B**	**51.2 B**	**55.2 B**	**66.4 B**
Antimony	3	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	**3.7 B**	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U
Arsenic	25	2.5 U	2.5 U	2.5 U	**9.7 B**	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	**5.7 B**	**3.4 B**	2.5 U	2.5 U	2.5 U
Barium	1000	**26.3 B**	**18.8 B**	**26.8 B**	**29.4 B**	**13 B**	**16.9 B**	**17 B**	**32.9 B**	**47 B**	**58.3 B**	**14.1 B**	**26.7 B**	**12.9 B**	**15.7 B**
Beryllium	3*	**0.27 B**	**0.27 B**	**0.27 B**	**0.28 B**	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	**0.18 B**	**0.22 B**	0.17 U
Cadmium	5	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Calcium	NE	**58300**	**42100**	**17700**	**19900**	**54200**	**59300**	**58600**	**16500**	**19200**	**105000**	**62400**	**54600**	**12200**	**44600**
Chromium	50	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	**2.6 B**
Cobalt	NE	1.4 U	1.4 U	1.4 U	**25.4 B**	1.4 U	1.4 U	1.4 U	1.4 U	**40.7 B**	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Copper	200	**5.9 B**	0.64 U	0.64 U	0.64 U	**4.2 B**	**3.2 B**	**71**	**3.3 B**	**12.6 B**	**1.6 B**	**2.1 B**	**2.4 B**	**2.3 B**	**1.8 B**
Iron	300	**416**	**55.1 B**	**53.9 B**	**49400**	**179**	**56.7 B**	**211**	**56 B**	**71900**	**1250**	**714**	**226**	**1680**	**5230**
Lead	25	1.3 U	1.3 U	**2.1 B**	**7.4**	1.3 U	1.3 U	1.3 U	1.3 U	**9.6**	1.3 U	**1.5 B**	1.3 U	**1.4 B**	**1.5 B**

Table 4-4
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	OU1	OU1
Sample Name:	NYS	OZMW-17S	OZMW-17I	OZMW-17I2	OZMW-17D	OZMW-18S	DUP-09 Q3	OZMW-18I	OZMW-18I2	OZMW-18D	OZMW-19S	OZMW-19I	OZMW-19I2	OZMW-19D	OZMW-21S
Screened Interval:	AWQS	5-15 ft	20-30 ft	35-45 ft	53-63 ft	5-15 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	5-15 ft
Sample Date:		8/23/2010	8/23/2010	8/20/2010	8/20/2010	8/10/2010	8/10/2010	8/10/2010	8/10/2010	8/10/2010	8/5/2010	8/5/2010	8/5/2010	8/5/2010	8/5/2010
Parent Sample:							OZMW-18S								
Magnesium	35000*	**10600**	**10800**	**4870 B**	**7760**	**11200**	**14300**	**14100**	**5980**	**9940**	**16700**	**18000**	**15100**	**3570 B**	**8750**
Manganese	300	**92.8**	**277**	**690**	**888**	**43.3**	**38.6**	**39.4**	**317**	**2620**	**11.5 B**	**46.2**	**305**	**107**	**102**
Mercury	0.7	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Nickel	100	**1.7 B**	1.5 U	**8.7 B**	**53.2**	1.5 U	**1.7 B**	**13 B**	**2.1 B**	**55.3**	**1.6 B**	**1.6 B**	1.5 U	**3 B**	**2.2 B**
Potassium	NE	**7010 E**	**6180 E**	**2930 BE**	**2750 BE**	**6260**	**6300**	**6310**	**5850**	**3460 B**	**13700**	**3540 B**	**4670 B**	**2070 B**	**4910 B**
Selenium	10	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U
Silver	50	0.32 UN	0.32 UN	**0.34 BN**	**0.38 BN**	0.32 UN	0.32 UN	0.32 UN	0.32 UN	0.32 UN	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U
Sodium	20000	**20600**	**43000**	**42100**	**57600**	**22600 E**	**50900 E**	**50400 E**	**53200 E**	**96000 E**	**17200**	**48300**	**45600**	**33300**	**14900**
Thallium	0.5*	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	**3.1 B**	3 U	3 U	3 U	3 U	3 U
Vanadium	NE	**4.1 B**	1.1 U	1.1 U	**3.7 B**	**4.6 B**	1.1 U	1.1 U	1.1 U	**23.3 B**	**3.4 B**	1.1 U	1.1 U	1.1 U	**2.6 B**
Zinc	2000*	**70.2**	**11.6 B**	**13.3 B**	**113**	**30.5**	**18.3 B**	**16.8 B**	**19.4 B**	**85.7**	**15 B**	**15.7 B**	**16.5 B**	**27.6**	**20.7**
Other (ug/L)															
Alkalinity	NE	**156000**	**146000**	**44700**	1000 U	**133000**	**190000**	**191000**	**69200**	1000 U	**310000**	**192000**	**163000**	**22400**	**152000**
Nitrogen, Ammonia	2000	**200**	**250**	100 U	**1610**	100 U	**180**	100 U	**260**	**2990**	**920**	**510**	**360**	**140**	**660**
Nitrogen, Nitrate	10000	**1080**	**570**	**6280**	100 U	**1300**	**730**	**720**	**370**	100 U	**300**	100 U	100 U	**620**	100 U
Nitrogen, Nitrite	1000	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	**180**	100 U
Nitrogen, Total	NE	**2210**	**890**	**6280**	**2400**	**2030**	**1000**	**1090**	**840**	**4990**	**2370**	**660**	**520**	**1050**	**1470**
Nitrogen, Total Kjeldahl	NE	**1130**	**320**	100 U	**2400**	**730**	**280**	**370**	**470**	**4990**	**2070**	**660**	**520**	**250**	**1470**
Sulfate	250000	**27400**	**8810**	**17800**	**368000**	**39000**	5000 U	5000 U	5000 U	**343000**	**19100**	**6480**	**10200**	**26400**	5000 U
Sulfide	50*	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	**2080**	2000 U	2000 U	2000 U	2000 U
Total Phosphorous	NE	**380**	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	**110**	50 U	50 U	50 U	**80**
Other (cfu/mL)															
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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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	OU1	OU1
Sample Name:	NYS	OZMW-21I	OZMW-21I2	OZMW-21D	OZMW-22SR	OZMW-22IR	OZMW-23S	OZMW-23S	OZMW-23I	OZMW-23I	OZMW-23I2	OZMW-23I2	DUP-01 OZ	OZMW-23D	OZMW-23D
Screened Interval:	AWQS	20-30 ft	35-45 ft	55-65 ft	5-15 ft	20-30 ft	5-15 ft	5-15 ft	20-30 ft	20-30 ft	35-45 ft	35-45 ft	35-45 ft	55-65 ft	55-65 ft
Sample Date:		8/6/2010	8/6/2010	8/6/2010	8/6/2010	8/6/2010	8/19/2010	9/15/2010	8/20/2010	9/15/2010	8/20/2010	9/15/2010	9/15/2010	8/20/2010	9/15/2010
Parent Sample:													OZMW-23I2		
BTEX (ug/L)															
Benzene	1	**170**	**130**	**3 J**	**3 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	5	**15**	**6 J**	10 U	**18**	**1 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	5	**140**	**18**	**2 J**	**1400 D**	**81**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene, m,p-	5	**68**	**15**	**5 J**	**1800 D**	**86**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**1 J**	10 U
Xylene, o-	5	**53**	**8 J**	**2 J**	**900 D**	**46**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total BTEX	NE	**446**	**177**	**12**	**4121**	**214**	ND	ND	ND	ND	ND	ND	ND	**1**	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 U	10 U	10 U	10 U
Acetone	50*	**2 J**	**3 J**	10 U	**3 J**	10 U	**2 J**	**2 J**	10 U	**1 J**	**1 J**	**1 J**	**1 J**	10 U	**2 J**
Allyl 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
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
Bromoform	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	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Butadiene, 1,3-	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
Butanone, 2-	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
Carbon disulfide	60*	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
Carbon tetrachloride	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
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	10 U	10 U	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	**3 J**	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
Chlorotoluene	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
Cryofluorane	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
Cyclohexane	NE	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
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
Dibromoethane, 1,2-	0.0006	10 U	10 U	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, 1,3-	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 U	10 U	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, 1,1-	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 U	10 U	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 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloropropene, cis-1,3	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
Dichloropropene, trans-1,3	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
Dioxane, 1,4-	NE	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U
Ethanol	NE	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U
Heptane, 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
Hexachlorobutadiene	0.5	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
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
Hexanone, 2-	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
Isopropyl benzene	5	**59**	**56**	10 U	**110 DJ**	**12**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl tert-butyl ether	10*	**3 J**	**5 J**	**6 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl-2-pentanone, 4-	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
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*	**3500 D**	**4900 D**	**150 D**	**1200 D**	**68**	**1 J**	10 U	10 U	10 U	10 U	10 U	10 U	**5 J**	**2 J**
Propanol, 2-	NE	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U
Propylbenzene, n-	5	**36**	**34**	**1 J**	**71**	**4 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	5	10 U	**14**	**2 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

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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	OU1	OU1
Sample Name:	NYS	OZMW-21I	OZMW-21I2	OZMW-21D	OZMW-22SR	OZMW-22IR	OZMW-23S	OZMW-23S	OZMW-23I	OZMW-23I	OZMW-23I2	OZMW-23I2	DUP-01 OZ	OZMW-23D	OZMW-23D
Screened Interval:	AWQS	20-30 ft	35-45 ft	55-65 ft	5-15 ft	20-30 ft	5-15 ft	5-15 ft	20-30 ft	20-30 ft	35-45 ft	35-45 ft	35-45 ft	55-65 ft	55-65 ft
Sample Date:		8/6/2010	8/6/2010	8/6/2010	8/6/2010	8/6/2010	8/19/2010	9/15/2010	8/20/2010	9/15/2010	8/20/2010	9/15/2010	9/15/2010	8/20/2010	9/15/2010
Parent Sample:													OZMW-23I2		
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	10 U	10 U
Tetrachloroethane,1,1,2,2-	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
Tetrachloroethene	5	10 U	**6 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
Tetrahydrofuran	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
Trans-1,2-dichloroethene	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
Trichloro-1,2,2-trifluoroethane, 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	10 U	10 U
Trichlorobenzene, 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
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
Trichloroethane, 1,1,2-	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
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
Trichlorofluoromethane	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	5	**300 DJ**	**270**	**11**	**710 D**	**46**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene, 1,2,4-	5	**410 D**	**380 DJ**	**15**	**660 D**	**50**	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 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl acetate	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
Vinyl chloride	2	10 U	10 U	10 U	10 U	10 U	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*	**200 DJ**	**120 DJ**	**16**	**9 J**	**2 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	**60**	**230 DJ**	**79**	**8 J**	10 U	**1 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	**14**	**10**	**12**	**2 J**	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*	**4 J**	**2 J**	**3 J**	10 U	10 U	**2 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	**63**	**55**	**48**	**9 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylnaphthalene, 2-	NE	**1200 D**	**1300 D**	**330 D**	**150 DJ**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	**3700 D**	**4200 D**	**130 D**	**1400 D**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**3 J**	**3 J**
Phenanthrene	50*	**69**	**52**	**61**	**10**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	**5 J**	**3 J**	**5 J**	10 U	**2 J**	**4 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total Non-carcinogenic PAHs	NE	**5315**	**5972**	**684**	**1588**	**4**	**7**	ND	ND	ND	ND	ND	ND	**3**	**3**
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	**1 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	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 Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	**1**	ND	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)															
Total PAHs	NE	**5315**	**5972**	**684**	**1588**	**4**	**8**	ND	ND	ND	ND	ND	ND	**3**	**3**
Total Metals (ug/L)															
Aluminum	NE	8 U	**42 B**	**18.3 B**	**59 B**	**44.2 B**	**1110 E**	NA	8 UE	NA	**490 E**	NA	NA	**599 E**	NA
Antimony	3	2.9 U	2.9 U	**5.9 B**	2.9 U	2.9 U	2.9 U	NA	2.9 U	NA	2.9 U	NA	NA	2.9 U	NA
Arsenic	25	2.5 U	2.5 U	**8.7 B**	**6.2 B**	2.5 U	**4.2 B**	NA	2.5 U	NA	**3.7 B**	NA	NA	**3.9 B**	NA
Barium	1000	**14.2 B**	**47.5 B**	**52.6 B**	**45.2 B**	**30.3 B**	**16.6 B**	NA	**5.8 B**	NA	**16.6 B**	NA	NA	**41.3 B**	NA
Beryllium	3*	0.17 U	0.17 U	**0.41 B**	0.17 U	0.17 U	0.17 UE	NA	0.17 UE	NA	**0.88 BE**	NA	NA	**1.4 BE**	NA
Cadmium	5	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	NA	0.33 U	NA	0.33 U	NA	NA	0.33 U	NA
Calcium	NE	**62200**	**45300**	**11300**	**64300**	**22100**	**26000 E**	NA	**39700 E**	NA	**7290 E**	NA	NA	**6710 E**	NA
Chromium	50	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	**3.1 B**	NA	**9.8 B**	NA	2.3 U	NA	NA	2.3 U	NA
Cobalt	NE	1.4 U	**6.2 B**	**3 B**	**2 B**	**7 B**	1.4 U	NA	1.4 U	NA	**7.4 B**	NA	NA	**3.4 B**	NA
Copper	200	**1.4 B**	**1 B**	**1.1 B**	**2.6 B**	**2.2 B**	**7.5 B**	NA	**2.6 B**	NA	**2.2 B**	NA	NA	**1.1 B**	NA
Iron	300	**6540**	**25300**	**53200**	**28600**	**7950**	**2520 E**	NA	**331 E**	NA	**15000 E**	NA	NA	**14900 E**	NA
Lead	25	1.3 U	**4.3**	**8.3**	**3.5**	**2.1 B**	**1.7 B**	NA	1.3 U	NA	**2 B**	NA	NA	**2.5 B**	NA

Table 4-4
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	OU1	OU1
Sample Name:	NYS	OZMW-21I	OZMW-21I2	OZMW-21D	OZMW-22SR	OZMW-22IR	OZMW-23S	OZMW-23S	OZMW-23I	OZMW-23I	OZMW-23I2	OZMW-23I2	DUP-01 OZ	OZMW-23D	OZMW-23D
Screened Interval:	AWQS	20-30 ft	35-45 ft	55-65 ft	5-15 ft	20-30 ft	5-15 ft	5-15 ft	20-30 ft	20-30 ft	35-45 ft	35-45 ft	35-45 ft	55-65 ft	55-65 ft
Sample Date:		8/6/2010	8/6/2010	8/6/2010	8/6/2010	8/6/2010	8/19/2010	9/15/2010	8/20/2010	9/15/2010	8/20/2010	9/15/2010	9/15/2010	8/20/2010	9/15/2010
Parent Sample:													OZMW-23I2		
Magnesium	35000*	**14100**	**11300**	**1520 B**	**7040**	**3780 B**	**5220 E**	NA	**9980 E**	NA	**2800 BE**	NA	NA	**2740 BE**	NA
Manganese	300	**306**	**4370**	**790**	**1660**	**366**	**76.2 NE**	NA	**6.5 BNE**	NA	**222 NE**	NA	NA	**185 NE**	NA
Mercury	0.7	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	0.1 U	NA	0.1 U	NA	NA	0.1 U	NA
Nickel	100	**1.9 B**	**10.3 B**	**7.9 B**	**1.8 B**	**4.3 B**	1.5 UE	NA	1.5 UE	NA	**15.3 BE**	NA	NA	**6.6 BE**	NA
Potassium	NE	**5370**	**3680 B**	**15300**	**4210 B**	**5110**	**9160**	NA	**4270 B**	NA	**1580 B**	NA	NA	**1200 B**	NA
Selenium	10	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	NA	2.8 U	NA	2.8 U	NA	NA	2.8 U	NA
Silver	50	0.32 UN	**0.4 B**	0.32 UN	0.32 UN	0.32 U	0.32 UN	NA	0.32 UN	NA	0.32 UN	NA	NA	0.32 UN	NA
Sodium	20000	**52000 E**	**50300**	**49400 E**	**56900 E**	**50500**	**8260 E**	NA	**26600 E**	NA	**19700 E**	NA	NA	**21400 E**	NA
Thallium	0.5*	3 U	3 U	**5.5 B**	3 U	3 U	3 U	NA	3 U	NA	3 U	NA	NA	3 U	NA
Vanadium	NE	1.1 U	1.1 U	**5.5 B**	**2 B**	1.1 U	**5 BE**	NA	**4.5 BE**	NA	1.1 UE	NA	NA	**3.4 BE**	NA
Zinc	2000*	**30.8**	**23.3**	**17.8 B**	**19.9 B**	**18.1 B**	**25.3 E**	NA	**14.3 BE**	NA	**46.7 E**	NA	NA	**18.7 BE**	NA
Other (ug/L)															
Alkalinity	NE	**194000**	**149000**	**12200**	**193000**	**42800**	**63500**	**52200**	**145000**	**130000**	1000 U	**1650**	**1500**	1000 U	1000 U
Nitrogen, Ammonia	2000	**360**	100 U	**600**	**320**	**210**	**130**	NA	100 U	NA	**400**	NA	NA	**670**	NA
Nitrogen, Nitrate	10000	100 U	100 U	100 U	100 U	**210**	**830**	NA	**6390**	NA	100 U	NA	NA	100 U	NA
Nitrogen, Nitrite	1000	100 U	100 U	100 U	100 U	100 U	100 U	NA	100 U	NA	100 U	NA	NA	100 U	NA
Nitrogen, Total	NE	**890**	**520**	**1520**	**800**	**620**	**2250**	NA	**6390**	NA	**700**	NA	NA	**820**	NA
Nitrogen, Total Kjeldahl	NE	**890**	**520**	**1520**	**810**	**410**	**1420**	NA	100 U	NA	**700**	NA	NA	**820**	NA
Sulfate	250000	5000 U	5000 U	**32100**	5000 U	**21100**	**31700**	NA	**14800**	NA	**87500**	NA	NA	**110000**	NA
Sulfide	50*	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	NA	2000 U	NA	2000 U	NA	NA	2000 U	NA
Total Phosphorous	NE	50 U	50 U	**270**	**280**	50 U	**250**	NA	**60**	NA	50 U	NA	NA	50 U	NA
Other (cfu/mL)															
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-4
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	OU1	OU1
Sample Name:	NYS	OZMW-24S	OZMW-24S	OZMW-24I	DUP-01 OZ	OZMW-24I	OZMW-24I2	OZMW-24I2	OZMW-24D	OZMW-24D	OZMW-25S	OZMW-25I	OZMW-25I2	OZMW-25D	OZMW-26S
Screened Interval:	AWQS	5-15 ft	5-15 ft	20-30 ft	20-30 ft	20-30 ft	35-45 ft	35-45 ft	55-65 ft	55-65 ft	5-15 ft	20-30 ft	35-45 ft	55-65 ft	5-15 ft
Sample Date:		8/18/2010	9/15/2010	8/18/2010	8/18/2010	9/15/2010	8/18/2010	9/15/2010	8/18/2010	9/15/2010	8/5/2010	8/5/2010	8/5/2010	8/5/2010	8/5/2010
Parent Sample:					OZMW-24I										
BTEX (ug/L)															
Benzene	1	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**3 J**	**2 J**	**29**	**48**	**22**	10 U	10 U
Toluene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**160**	**130**	**17**	**14**	**4 J**	10 U	10 U
Ethylbenzene	5	**3 J**	**2 J**	10 U	10 U	10 U	**8 J**	**7 J**	**67**	**59**	**1100 D**	**140**	**140**	10 U	**2 J**
Xylene, m,p-	5	**1 J**	10 U	10 U	10 U	10 U	**110**	**100**	**350**	**350**	**500 D**	**86**	**56**	10 U	**11**
Xylene, o-	5	**5 J**	**3 J**	10 U	10 U	10 U	**40**	**36**	**170**	**180**	**580 D**	**67**	**84**	10 U	**11**
Total BTEX	NE	**9**	**5**	ND	ND	ND	**158**	**143**	**750**	**721**	**2226**	**355**	**306**	ND	**24**
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 U	10 U	10 U	10 U
Acetone	50*	10 U	**3 J**	**1 J**	**1 J**	**2 J**	**2 J**	**3 J**	**9 J**	**9 J**	10 U	10 U	10 U	10 U	10 U
Allyl 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
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
Bromoform	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	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Butadiene, 1,3-	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
Butanone, 2-	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**2 J**	**2 J**	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	**7 J**	**5 J**	10 U	10 U	10 U	10 U	10 U
Carbon tetrachloride	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
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	10 U	10 U	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	**150**	**140**	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	**2 J**	**2 J**	10 U	10 U	10 U	10 U	10 U
Chlorotoluene	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
Cryofluorane	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
Cyclohexane	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**4 J**	**2 J**	**5 J**	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
Dibromoethane, 1,2-	0.0006	10 U	10 U	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	**1 J**	10 U	10 U	10 U
Dichlorobenzene, 1,3-	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 U	10 U	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, 1,1-	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 U	10 U	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 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloropropene, cis-1,3	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
Dichloropropene, trans-1,3	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
Dioxane, 1,4-	NE	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U
Ethanol	NE	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U
Heptane, 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
Hexachlorobutadiene	0.5	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
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
Hexanone, 2-	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
Isopropyl benzene	5	10 U	10 U	10 U	10 U	10 U	**49**	**43**	**2 J**	**1 J**	**76**	**7 J**	**14**	10 U	10 U
Methyl tert-butyl ether	10*	10 U	10 U	**1 J**	**1 J**	**1 J**	**6 J**	**10**	10 U	10 U	10 U	10 U	**2 J**	10 U	10 U
Methyl-2-pentanone, 4-	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
Methylene chloride	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**4 J**	**2 J**	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	**48**	**46**	10 U	10 U	10 U	**4100 D**	**4000 D**	**2600 D**	**2500 D**	**4300 D**	**2900 D**	**960 D**	**23**	**7 J**
Propanol, 2-	NE	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U
Propylbenzene, n-	5	**1 J**	10 U	10 U	10 U	10 U	**24**	**20**	**11**	**8 J**	**42**	**5 J**	**4 J**	10 U	10 U
Styrene	5	**1 J**	10 U	10 U	10 U	10 U	**17**	**16**	**250 DJ**	**150 DJ**	10 U	**6 J**	**3 J**	10 U	10 U

Table 4-4
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	OU1	OU1
Sample Name:	NYS	OZMW-24S	OZMW-24S	OZMW-24I	DUP-01 OZ	OZMW-24I	OZMW-24I2	OZMW-24I2	OZMW-24D	OZMW-24D	OZMW-25S	OZMW-25I	OZMW-25I2	OZMW-25D	OZMW-26S
Screened Interval:	AWQS	5-15 ft	5-15 ft	20-30 ft	20-30 ft	20-30 ft	35-45 ft	35-45 ft	55-65 ft	55-65 ft	5-15 ft	20-30 ft	35-45 ft	55-65 ft	5-15 ft
Sample Date:		8/18/2010	9/15/2010	8/18/2010	8/18/2010	9/15/2010	8/18/2010	9/15/2010	8/18/2010	9/15/2010	8/5/2010	8/5/2010	8/5/2010	8/5/2010	8/5/2010
Parent Sample:					OZMW-24I										
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	10 U	10 U
Tetrachloroethane,1,1,2,2-	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
Tetrachloroethene	5	10 U	10 U	10 U	10 U	10 U	**2 J**	**2 J**	10 U	10 U	10 U	**1 J**	10 U	10 U	10 U
Tetrahydrofuran	50*	**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	10 U
Trans-1,2-dichloroethene	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
Trichloro-1,2,2-trifluoroethane, 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	10 U	10 U
Trichlorobenzene, 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
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
Trichloroethane, 1,1,2-	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
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
Trichlorofluoromethane	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	5	**99**	**57**	10 U	10 U	10 U	**410 D**	**220**	**160**	**66**	**390**	**86**	**54**	**1 J**	**27**
Trimethylbenzene, 1,2,4-	5	**44**	**41**	10 U	10 U	10 U	**330 DJ**	**180 DJ**	**170**	**150**	**560 D**	**180**	**100**	**2 J**	**5 J**
Trimethylpentane, 2,2,4-	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
Vinyl acetate	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
Vinyl chloride	2	10 U	10 U	10 U	10 U	10 U	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*	**23**	10 U	10 U	10 U	10 U	**49**	**27**	**11**	**8 J**	**48**	**55**	**25**	10 U	10 U
Acenaphthylene	NE	**3 J**	10 U	10 U	10 U	10 U	**220 DJ**	**160 DJ**	**160 DJ**	**110 DJ**	**110 DJ**	**110 D**	**4 J**	10 U	**1 J**
Anthracene	50*	**5 J**	10 U	10 U	10 U	10 U	**9 J**	**5 J**	**4 J**	**3 J**	**7 J**	**10**	**9 J**	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*	**3 J**	10 U	10 U	10 U	10 U	**1 J**	10 U	10 U	10 U	**2 J**	**3 J**	**3 J**	10 U	10 U
Fluorene	50*	**10**	10 U	10 U	10 U	10 U	**41**	**28**	**30**	**22**	**45**	**54**	**38**	10 U	10 U
Methylnaphthalene, 2-	NE	**34**	10 U	10 U	10 U	10 U	**530 DJ**	**380 DJ**	**540 DJ**	**340 DJ**	**550 D**	10 U	**24**	10 U	10 U
Naphthalene	10*	**37**	10 U	10 U	10 U	10 U	**4100 D**	**2500 D**	**3100 D**	**1900 D**	**2700 D**	10 U	10 U	10 U	10 U
Phenanthrene	50*	**13**	10 U	10 U	10 U	10 U	**44**	**28**	**21**	**16**	**39**	**56**	**54**	10 U	10 U
Pyrene	50*	**5 J**	10 U	10 U	10 U	10 U	**2 J**	10 U	10 U	10 U	**3 J**	**4 J**	**5 J**	10 U	10 U
Total Non-carcinogenic PAHs	NE	**133**	ND	ND	ND	ND	**4996**	**3128**	**3866**	**2399**	**3504**	**292**	**162**	ND	**1**
Carcinogenic PAHs (ug/L)															
Benz[a]anthracene	0.002*	**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
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	**2 J**
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*	**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	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 Carcinogenic PAHs	NE	**3**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**2**
Total PAHs (ug/L)															
Total PAHs	NE	**136**	ND	ND	ND	ND	**4996**	**3128**	**3866**	**2399**	**3504**	**292**	**162**	ND	**3**
Total Metals (ug/L)															
Aluminum	NE	8 UE	NA	8 UE	18 UE	NA	8 UE	NA	**13600 E**	NA	**57.5 B**	**52.5 B**	**67.8 B**	**242**	**513**
Antimony	3	2.9 U	NA	2.9 U	2.1 U	NA	2.9 U	NA	2.9 U	NA	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U
Arsenic	25	**2.5 B**	NA	2.5 U	2.3 U	NA	2.5 U	NA	**26.6**	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Barium	1000	**8.4 B**	NA	**10 B**	**10.5 B**	NA	**50.2 B**	NA	**9.7 B**	NA	**18.6 B**	**18.9 B**	**19 B**	**17.5 B**	**22.7 B**
Beryllium	3*	0.17 UE	NA	0.17 UE	0.26 UE	NA	0.17 UE	NA	**12.6 E**	NA	**0.18 B**	0.17 U	0.17 U	**0.27 B**	0.17 U
Cadmium	5	0.33 U	NA	0.33 U	0.34 U	NA	0.33 U	NA	0.33 U	NA	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Calcium	NE	**72200 E**	NA	**52800 E**	**56100 E**	NA	**10300 E**	NA	**37400 E**	NA	**61600**	**66300**	**38100**	**10800**	**26800**
Chromium	50	2.3 U	NA	**3.2 B**	**3.1 B**	NA	2.3 U	NA	**22.1**	NA	2.3 U	2.3 U	2.3 U	2.3 U	**3.1 B**
Cobalt	NE	1.4 U	NA	1.4 U	1.2 U	NA	**17.5 B**	NA	**52.8**	NA	1.4 U	1.4 U	1.4 U	**3 B**	1.4 U
Copper	200	**4.8 B**	NA	**2.4 B**	**4.3 B**	NA	**4.1 B**	NA	0.64 U	NA	**1.6 B**	**1.2 B**	**1.9 B**	**3 B**	**4.6 B**
Iron	300	**1150 E**	NA	**136 E**	**156 E**	NA	**22600 E**	NA	**103000 E**	NA	**1840**	**1910**	**237**	**2200**	**1070**
Lead	25	1.3 U	NA	1.3 U	**3.9**	NA	**3.2**	NA	**12.6**	NA	**1.8 B**	**1.4 B**	1.3 U	**3.3**	**1.4 B**

Table 4-4
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	OU1	OU1
Sample Name:	NYS	OZMW-24S	OZMW-24S	OZMW-24I	DUP-01 OZ	OZMW-24I	OZMW-24I2	OZMW-24I2	OZMW-24D	OZMW-24D	OZMW-25S	OZMW-25I	OZMW-25I2	OZMW-25D	OZMW-26S
Screened Interval:	AWQS	5-15 ft	5-15 ft	20-30 ft	20-30 ft	20-30 ft	35-45 ft	35-45 ft	55-65 ft	55-65 ft	5-15 ft	20-30 ft	35-45 ft	55-65 ft	5-15 ft
Sample Date:		8/18/2010	9/15/2010	8/18/2010	8/18/2010	9/15/2010	8/18/2010	9/15/2010	8/18/2010	9/15/2010	8/5/2010	8/5/2010	8/5/2010	8/5/2010	8/5/2010
Parent Sample:					OZMW-24I										
Magnesium	35000*	**9930 E**	NA	**13400 E**	**14400 E**	NA	**3980 BE**	NA	**20900 E**	NA	**14100**	**16500**	**9280**	**3300 B**	**4820 B**
Manganese	300	**97.9 NE**	NA	**7.2 BNE**	**8 BNE**	NA	**2750 NE**	NA	**1600 NE**	NA	**81.1**	**193**	**2880**	**563**	**174**
Mercury	0.7	0.1 U	NA	0.1 U	0.1 U	NA	0.1 U	NA	0.1 U	NA	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Nickel	100	1.5 UE	NA	1.5 UE	**11.1 BE**	NA	**10.7 BE**	NA	**135 E**	NA	**4.9 B**	**1.8 B**	1.5 U	**4.2 B**	**1.9 B**
Potassium	NE	**9150**	NA	**5910**	**6200**	NA	**1910 B**	NA	**3890 B**	NA	**4900 B**	**4900 B**	**3080 B**	**1570 B**	**9970**
Selenium	10	2.8 U	NA	2.8 U	2.5 U	NA	2.8 U	NA	2.8 U	NA	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U
Silver	50	0.32 UN	NA	0.32 UN	0.83 UN	NA	0.32 UN	NA	0.32 UN	NA	0.32 U	0.32 U	**0.57 B**	0.32 U	0.32 U
Sodium	20000	**13000 E**	NA	**44300 E**	**44200 E**	NA	**62800 E**	NA	**206000 E**	NA	**43200**	**55100**	**41600**	**18300**	**9400**
Thallium	0.5*	3 U	NA	3 U	3.2 U	NA	3 U	NA	**10.9**	NA	3 U	3 U	3 U	3 U	3 U
Vanadium	NE	**1.3 BE**	NA	**2.1 BE**	**2.2 BE**	NA	**3.9 BE**	NA	**85.3 E**	NA	1.1 U	1.1 U	1.1 U	**1.7 B**	**7.2 B**
Zinc	2000*	**22 E**	NA	**16.3 BE**	**18.7 BE**	NA	**22.3 E**	NA	**506 E**	NA	**15.4 B**	**13.9 B**	**13.9 B**	**28.6**	**38.2**
Other (ug/L)															
Alkalinity	NE	**205000**	**226000**	**198000**	**188000**	**192000**	**18600**	**30500**	1000 U	1000 U	**179000**	**214000**	**110000**	**6850**	**76800**
Nitrogen, Ammonia	2000	**190**	NA	100 U	100 U	NA	**720**	NA	**4950**	NA	**440**	**600**	**480**	**220**	**320**
Nitrogen, Nitrate	10000	100 U	NA	**820**	**810**	NA	100 U	NA	100 U	NA	**520**	100 U	**1090**	100 U	**260**
Nitrogen, Nitrite	1000	100 U	NA	100 U	100 U	NA	100 U	NA	100 U	NA	100 U	100 U	**580**	100 U	100 U
Nitrogen, Total	NE	**1060**	NA	**1270**	**1160**	NA	**1280**	NA	**7070**	NA	**1560**	**820**	**2230**	**320**	**1360**
Nitrogen, Total Kjeldahl	NE	**1060**	NA	**450**	**350**	NA	**1280**	NA	**7070**	NA	**1040**	**820**	**560**	**320**	**1100**
Sulfate	250000	**35300**	NA	5000 U	5000 U	NA	**41300**	NA	**1080000**	NA	5000 U	5000 U	**7100**	**14400**	**6010**
Sulfide	50*	2000 U	NA	2000 U	2000 U	NA	2000 U	NA	2000 U	NA	2000 U	2000 U	2000 U	2000 U	2000 U
Total Phosphorous	NE	**540**	NA	50 U	50 U	NA	50 U	NA	50 U	NA	**130**	50 U	50 U	50 U	50 U
Other (cfu/mL)															
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-4
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
Sample Name:	NYS	OZMW-26I	OZMW-26I2	OZMW-26D
Screened Interval:	AWQS	20-30 ft	35-45 ft	55-65 ft
Sample Date:		8/5/2010	8/5/2010	8/5/2010
Parent Sample:				
BTEX (ug/L)				
Benzene	1	10 U	**12**	10 U
Toluene	5	10 U	**1 J**	10 U
Ethylbenzene	5	10 U	**27**	10 U
Xylene, m,p-	5	10 U	**23**	10 U
Xylene, o-	5	10 U	**37**	10 U
Total BTEX	NE	ND	**100**	ND
Other VOCs (ug/L)				
Acetaldehyde	8*	10 U	10 U	10 U
Acetone	50*	10 U	10 U	10 U
Allyl chloride	5	10 U	10 U	10 U
Bromodichloromethane	50*	10 U	10 U	10 U
Bromoform	50*	10 U	10 U	10 U
Bromomethane	5	10 U	10 U	10 U
Butadiene, 1,3-	NE	10 U	10 U	10 U
Butanone, 2-	50*	10 U	10 U	10 U
Carbon disulfide	60*	10 U	10 U	10 U
Carbon tetrachloride	5	10 U	10 U	10 U
Chlorobenzene	5	10 U	10 U	10 U
Chloroethane	5	10 U	10 U	10 U
Chloroform	7	10 U	10 U	10 U
Chloromethane	5	10 U	10 U	10 U
Chlorotoluene	5	10 U	10 U	10 U
Cryofluorane	NE	10 U	10 U	10 U
Cyclohexane	NE	10 U	**2 J**	10 U
Dibromochloromethane	50*	10 U	10 U	10 U
Dibromoethane, 1,2-	0.0006	10 U	10 U	10 U
Dichlorobenzene, 1,2-	3	10 U	10 U	10 U
Dichlorobenzene, 1,3-	3	10 U	10 U	10 U
Dichlorobenzene, 1,4-	3	10 U	10 U	10 U
Dichlorodifluoromethane	5	10 U	10 U	10 U
Dichloroethane, 1,1-	5	10 U	10 U	10 U
Dichloroethane, 1,2-	0.6	10 U	10 U	10 U
Dichloroethene, 1,1-	0.07	10 U	10 U	10 U
Dichloroethene, cis-1,2-	5	10 U	10 U	10 U
Dichloropropane, 1,2-	1	10 U	10 U	10 U
Dichloropropene, cis-1,3	NE	10 U	10 U	10 U
Dichloropropene, trans-1,3	NE	10 U	10 U	10 U
Dioxane, 1,4-	NE	500 U	500 U	500 U
Ethanol	NE	500 U	500 U	500 U
Heptane, n-	NE	10 U	10 U	10 U
Hexachlorobutadiene	0.5	10 U	10 U	10 U
Hexane, n-	NE	10 U	10 U	10 U
Hexanone, 2-	50*	10 U	10 U	10 U
Isopropyl benzene	5	10 U	**6 J**	10 U
Methyl tert-butyl ether	10*	10 U	10 U	10 U
Methyl-2-pentanone, 4-	NE	10 U	10 U	10 U
Methylene chloride	5	10 U	10 U	10 U
Naphthalene	10*	10 U	**210 D**	**2 J**
Propanol, 2-	NE	500 U	500 U	500 U
Propylbenzene, n-	5	10 U	**2 J**	10 U
Styrene	5	10 U	10 U	10 U

Table 4-4
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
Sample Name:	NYS	OZMW-26I	OZMW-26I2	OZMW-26D
Screened Interval:	AWQS	20-30 ft	35-45 ft	55-65 ft
Sample Date:		8/5/2010	8/5/2010	8/5/2010
Parent Sample:				
Tetrachloroethane, 1,1,1,2-	5	10 U	10 U	10 U
Tetrachloroethane,1,1,2,2-	5	10 U	10 U	10 U
Tetrachloroethene	5	10 U	10 U	10 U
Tetrahydrofuran	50*	10 U	10 U	10 U
Trans-1,2-dichloroethene	5	10 U	10 U	10 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	5	10 U	10 U	10 U
Trichlorobenzene, 1,2,4-	5	10 U	10 U	10 U
Trichloroethane, 1,1,1-	5	10 U	10 U	10 U
Trichloroethane, 1,1,2-	1	10 U	10 U	10 U
Trichloroethene	5	10 U	10 U	10 U
Trichlorofluoromethane	5	10 U	10 U	10 U
Trimethylbenzene 1,3,5-/P-ethyltoluene	5	10 U	**21**	10 U
Trimethylbenzene, 1,2,4-	5	10 U	**28**	10 U
Trimethylpentane, 2,2,4-	NE	10 U	10 U	10 U
Vinyl acetate	NE	10 U	10 U	10 U
Vinyl chloride	2	10 U	10 U	10 U
Non-carcinogenic PAHs (ug/L)				
Acenaphthene	20*	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U
Benzo[g,h,i]perylene	NE	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U
Methylnaphthalene, 2-	NE	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U
Total Non-carcinogenic PAHs	NE	ND	ND	ND
Carcinogenic PAHs (ug/L)				
Benz[a]anthracene	0.002*	10 U	10 U	10 U
Benzo[a]pyrene	ND	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U
Dibenz[a,h]anthracene	NE	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U
Total Carcinogenic PAHs	NE	ND	ND	ND
Total PAHs (ug/L)				
Total PAHs	NE	ND	ND	ND
Total Metals (ug/L)				
Aluminum	NE	**51.7 B**	**49.6 B**	**72.9 B**
Antimony	3	2.9 U	2.9 U	2.9 U
Arsenic	25	2.5 U	2.5 U	2.5 U
Barium	1000	**11.5 B**	**40 B**	**9.8 B**
Beryllium	3*	0.17 U	0.17 U	0.17 U
Cadmium	5	0.33 U	0.33 U	0.33 U
Calcium	NE	**30200**	**44500**	**7040**
Chromium	50	2.3 U	**2.6 B**	2.3 U
Cobalt	NE	1.4 U	1.4 U	1.4 U
Copper	200	**3.6 B**	**3.4 B**	**1.5 B**
Iron	300	**177**	**2210**	**3910**
Lead	25	1.3 U	1.3 U	1.3 U

Table 4-4
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
Sample Name:	NYS	OZMW-26I	OZMW-26I2	OZMW-26D
Screened Interval:	AWQS	20-30 ft	35-45 ft	55-65 ft
Sample Date:		8/5/2010	8/5/2010	8/5/2010
Parent Sample:				
Magnesium	35000*	**8200**	**11300**	**2460 B**
Manganese	300	**51.4**	**904**	**129**
Mercury	0.7	0.1 U	0.1 U	0.1 U
Nickel	100	1.5 U	**2.7 B**	1.5 U
Potassium	NE	**2940 B**	**5160**	**1520 B**
Selenium	10	2.8 U	2.8 U	2.8 U
Silver	50	0.32 U	**0.34 B**	0.32 U
Sodium	20000	**18900**	**49000**	**16400**
Thallium	0.5*	3 U	3 U	3 U
Vanadium	NE	**1.7 B**	1.1 U	1.1 U
Zinc	2000*	**13.2 B**	**14.1 B**	**20.7**
Other (ug/L)				
Alkalinity	NE	**109000**	**135000**	**2100**
Nitrogen, Ammonia	2000	**260**	**270**	**140**
Nitrogen, Nitrate	10000	**180**	**480**	100 U
Nitrogen, Nitrite	1000	100 U	100 U	100 U
Nitrogen, Total	NE	**620**	**900**	**390**
Nitrogen, Total Kjeldahl	NE	**440**	**420**	**390**
Sulfate	250000	**16700**	**11900**	**19700**
Sulfide	50*	2000 U	2000 U	2000 U
Total Phosphorous	NE	50 U	50 U	50 U
Other (cfu/mL)				
Standard Plate Count	NE	NA	NA	NA

Notes for groundwater tables are compiled at the end of the Tables in this section.

Table 4-5
Summary of Historic Total BTEX Groundwater Analytical Results - Downgradient of Subsurface Barrier Wall
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (ug/L)									
		Sampling Date									
		1999	2002			2003			2004		
		Oct/Nov	Apr/May	Jun/Jul	Nov/Dec	Feb/Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May	Jul/Aug
BBMW-01S	5.0 - 15.0	270	219	--	3,440	2,000	2,500	2,661	3,510	1,988	1,576
BBMW-01I	32.0 - 42.0	3	222	--	230	710	460	350	190	170	170
BBMW-01D	68.5 - 78.5	214	542	--	--	--	1,294	1,193	293	265	304
BBMW-23S	5.0 - 15.0	--	--	32,850	43,650	22,100	34,485	20,162	20,573	21,133	20,954
BBMW-23I	33.0 - 43.0	--	--	0	--	0	0	0	0	0	0
BBMW-23D	49.5 - 59.5	--	--	10	17	15	53	45	0	12	136
BBMW-23D2	63.0 - 73.0	--	--	28	--	0	97	80	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-54S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-54I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--
OU2MW-54I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OU2MW-54D	60.0 - 65.0	--	--	--	--	--	--	--	--	--	--

Table 4-5
Summary of Historic Total BTEX Groundwater Analytical Results - Downgradient of Subsurface Barrier Wall
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (ug/L)									
		Sampling Date									
		2004	2005				2006				2007
		Nov/Dec	Feb/Mar	Jun	Aug	Nov/Dec	Mar	Jun	Jul/Aug	Nov/Dec	Mar
BBMW-01S	5.0 - 15.0	2,520	1,930	1,085	1,080	1,090	273	59	1,361	2,329	949
BBMW-01I	32.0 - 42.0	93	220	230	120	120	43	94	110	110	77
BBMW-01D	68.5 - 78.5	94	191	585	112	32	24	216	462	109	32
BBMW-23S	5.0 - 15.0	6,284	6,047	29,430	3,300	1,725	7,450	4,070	6,558	120	12,332
BBMW-23I	33.0 - 43.0	0	--	0	0	--	0	0	0	0	0
BBMW-23D	49.5 - 59.5	71	234	446	210	--	729	467	509	579	519
BBMW-23D2	63.0 - 73.0	--	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-54S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-54I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--
OU2MW-54I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OU2MW-54D	60.0 - 65.0	--	--	--	--	--	--	--	--	--	--

Table 4-5
Summary of Historic Total BTEX Groundwater Analytical Results - Downgradient of Subsurface Barrier Wall
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (ug/L)									
		Sampling Date									
		2007			2008				2009		
		May-Jul	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep
BBMW-01S	5.0 - 15.0	3,640	7,420	5,590	4,210	3,022	1,251	797	284	43	29
BBMW-01I	32.0 - 42.0	156	375	274	262	64	57	36	47	66	29
BBMW-01D	68.5 - 78.5	555	386	9	43	81	75	21	33	47	115
BBMW-23S	5.0 - 15.0	18,185	19,818	14,940	26,389	22,830	18,758	9,986	11,860	6,483	11,108
BBMW-23I	33.0 - 43.0	0	19	10	0	3	0	0	0	0	0
BBMW-23D	49.5 - 59.5	96	1,324	660	493	23	12	14	7	10	6
BBMW-23D2	63.0 - 73.0	0	0	0	0	3	0	0	0	0	0
OU2MW-17S	5.0 - 10.0	--	--	--	--	0	0	0	0	0	0
OU2MW-17I	13.0 - 23.0	--	--	--	--	90	0	0	80	164	17
OU2MW-17I2	35.0 - 45.0	--	--	--	--	0	0	0	0	0	0
OU2MW-17D	60.0 - 75.0	--	--	--	--	0	0	0	0	0	0
OU2MW-18I	13.0 - 23.0	--	--	--	--	5,500	5,447	27,560	28,040	3,791	1,500
OU2MW-18I2	35.0 - 45.0	--	--	--	--	0	0	0	0	0	0
OU2MW-18D	60.0 - 70.0	--	--	--	--	0	0	0	0	0	0
OU2MW-54S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-54I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--
OU2MW-54I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OU2MW-54D	60.0 - 65.0	--	--	--	--	--	--	--	--	--	--

Table 4-5
Summary of Historic Total BTEX Groundwater Analytical Results - Downgradient of Subsurface Barrier Wall
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (ug/L)								
		Sampling Date				Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2009	2010							
		Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep					
BBMW-01S	5.0 - 15.0	187	23	38	4	23	7,420	1,793	4	7,420
BBMW-01I	32.0 - 42.0	19	76	11	0	3	710	162	0	710
BBMW-01D	68.5 - 78.5	105	213	83	72	9	1,294	258	9	1,294
BBMW-23S	5.0 - 15.0	7,779	9,643	11,441	6,213	120	43,650	15,563	120	43,650
BBMW-23I	33.0 - 43.0	115	0	6	0	0	115	5	0	115
BBMW-23D	49.5 - 59.5	3	2	1	0	0	1,324	223	0	1,324
BBMW-23D2	63.0 - 73.0	0	0	0	0	0	97	9	0	97
OU2MW-17S	5.0 - 10.0	0	0	0	0	0	0	0	0	0
OU2MW-17I	13.0 - 23.0	0	6	245	4	0	245	67	0	245
OU2MW-17I2	35.0 - 45.0	0	0	0	0	0	0	0	0	0
OU2MW-17D	60.0 - 75.0	0	0	0	0	0	0	0	0	0
OU2MW-18I	13.0 - 23.0	3,275	3,033	799	1,592	799	28,040	8,772	799	28,040
OU2MW-18I2	35.0 - 45.0	336	418	490	575	0	490	138	0	575
OU2MW-18D	60.0 - 70.0	0	0	0	0	0	0	0	0	0
OU2MW-54S	5.0 - 15.0	--	85	59	4	59	85	72	4	85
OU2MW-54I	20.0 - 25.0	--	0	0	0	0	0	0	0	0
OU2MW-54I2	40.0 - 45.0	--	0	0	0	0	0	0	0	0
OU2MW-54D	60.0 - 65.0	--	0	0	0	0	0	0	0	0

Notes for groundwater tables are compiled at the end of the Tables in this section.

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

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (ug/L)									
		Sampling Date									
		1999	2002			2003			2004		
		Oct/Nov	Apr/May	Jun/Jul	Nov/Dec	Feb-Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May	Jul/Aug
BBMW-01S	5.0 - 15.0	2,055	3,420	--	2,823	600	1,102	1,730	2,077	1,394	869
BBMW-01I	32.0 - 42.0	66	9,720	--	10,616	5,600	6,398	8,514	7,772	7,709	4,679
BBMW-01D	68.5 - 78.5	1,605	4,566	--	--	--	4,871	4,543	1,460	1,800	1,359
BBMW-23S	5.0 - 15.0	--	--	2,397	2,681	1,400	2,319	2,383	1,288	1,733	2,220
BBMW-23I	33.0 - 43.0	--	--	0	--	178	0	61	0	0	0
BBMW-23D	49.5 - 59.5	--	--	741	802	910	1,203	1,562	468	400	1,081
BBMW-23D2	63.0 - 73.0	--	--	36	--	0	120	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-54S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-54I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--
OU2MW-54I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OU2MW-54D	60.0 - 65.0	--	--	--	--	--	--	--	--	--	--

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

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (ug/L)									
		Sampling Date									
		2004	2005				2006				2007
		Nov/Dec	Feb/Mar	Jun	Aug	Nov/Dec	Mar	Jun	Jul/Aug	Nov/Dec	Mar
BBMW-01S	5.0 - 15.0	1,565	2,067	1,333	1,034	2,425	1,043	0	956	2,158	659
BBMW-01I	32.0 - 42.0	9,754	9,659	7,734	10,674	8,276	3,679	6,746	7,141	10,165	5,812
BBMW-01D	68.5 - 78.5	429	821	2,832	50	251	349	863	2,250	425	195
BBMW-23S	5.0 - 15.0	599	921	1,830	994	890	1,410	959	759	2,521	1,741
BBMW-23I	33.0 - 43.0	0	--	13	33	--	146	88	65	59	199
BBMW-23D	49.5 - 59.5	931	1,493	1,665	2,161	--	2,459	2,391	2,994	2,353	2,591
BBMW-23D2	63.0 - 73.0	--	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-54S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-54I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--
OU2MW-54I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OU2MW-54D	60.0 - 65.0	--	--	--	--	--	--	--	--	--	--

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

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (ug/L)									
		Sampling Date									
		2007			2008				2009		
		May-Jul	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep
BBMW-01S	5.0 - 15.0	4,347	3,927	3,929	1,432	1,640	1,991	142	359	119	0
BBMW-01I	32.0 - 42.0	7,721	8,946	8,071	10,403	6,532	8,764	5,806	3,303	10,202	5,703
BBMW-01D	68.5 - 78.5	2,090	1,248	50	55	183	274	13	68	92	141
BBMW-23S	5.0 - 15.0	2,519	1,785	2,703	2,569	2,169	1,838	1,340	1,673	2,456	3,162
BBMW-23I	33.0 - 43.0	2,207	2,559	31	16	14	23	0	12	2	0
BBMW-23D	49.5 - 59.5	6,619	5,835	5,620	3,118	188	95	0	0	31	1
BBMW-23D2	63.0 - 73.0	0	1	0	2	50	0	0	0	0	0
OU2MW-17S	5.0 - 10.0	--	--	--	--	0	2	0	0	0	0
OU2MW-17I	13.0 - 23.0	--	--	--	--	25	2	0	0	24	6
OU2MW-17I2	35.0 - 45.0	--	--	--	--	0	1	0	0	0	0
OU2MW-17D	60.0 - 75.0	--	--	--	--	0	0	0	0	0	0
OU2MW-18I	13.0 - 23.0	--	--	--	--	2,957	3,489	5,188	4,932	5,201	4,006
OU2MW-18I2	35.0 - 45.0	--	--	--	--	0	0	0	0	0	0
OU2MW-18D	60.0 - 70.0	--	--	--	--	0	0	0	0	0	0
OU2MW-54S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-54I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--
OU2MW-54I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OU2MW-54D	60.0 - 65.0	--	--	--	--	--	--	--	--	--	--

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

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (ug/L)								
		Sampling Date				Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2009	2010							
		Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep					
BBMW-01S	5.0 - 15.0	126	46	63	44	0	4,347	1,482	0	4,347
BBMW-01I	32.0 - 42.0	5,737	5,463	904	431	66	10,674	7,133	66	10,674
BBMW-01D	68.5 - 78.5	220	273	248	135	13	4,871	1,121	13	4,871
BBMW-23S	5.0 - 15.0	2,697	1,571	2,292	948	599	3,162	1,865	599	3,162
BBMW-23I	33.0 - 43.0	237	2	1	0	0	2,559	212	0	2,559
BBMW-23D	49.5 - 59.5	27	5	14	15	0	6,619	1,592	0	6,619
BBMW-23D2	63.0 - 73.0	0	0	0	1	0	120	10	0	120
OU2MW-17S	5.0 - 10.0	0	0	0	0	0	2	0	0	2
OU2MW-17I	13.0 - 23.0	2	1	0	0	0	25	7	0	25
OU2MW-17I2	35.0 - 45.0	0	0	0	0	0	1	0	0	1
OU2MW-17D	60.0 - 75.0	0	0	0	0	0	0	0	0	0
OU2MW-18I	13.0 - 23.0	2,881	4,150	1,283	1,745	1,283	5,201	3,787	1,283	5,201
OU2MW-18I2	35.0 - 45.0	0	490	0	30	0	490	54	0	490
OU2MW-18D	60.0 - 70.0	0	0	0	0	0	0	0	0	0
OU2MW-54S	5.0 - 15.0	--	41	10	0	10	41	26	0	41
OU2MW-54I	20.0 - 25.0	--	0	0	0	0	0	0	0	0
OU2MW-54I2	40.0 - 45.0	--	0	0	0	0	0	0	0	0
OU2MW-54D	60.0 - 65.0	--	0	0	0	0	0	0	0	0

Notes for groundwater tables are compiled at the end of the Tables in this section

Table 4-7
Summary of Historic Total BTEX Groundwater Analytical Results - Mid-Plume Treatment Area
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (ug/L)								
		Sampling Date								
		1992	1999		2002			2003		
		Sep	Sep	Oct/Nov	Jan/Feb	Apr/May	Nov/Dec	Feb-Apr	Jul/Aug	Sep/Oct
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-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	15	70	4	36	--	32	--	--
GM-03I	30.03 - 45.03	7	0	26	7	135	--	0	--	--
GM-03D	53.18 - 68.18	175	375	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-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	--	--	--	--	--	--	--	--	--

Table 4-7
Summary of Historic Total BTEX Groundwater Analytical Results - Mid-Plume Treatment Area
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (ug/L)								
		Sampling Date								
		1992	1999		2002			2003		
		Sep	Sep	Oct/Nov	Jan/Feb	Apr/May	Nov/Dec	Feb-Apr	Jul/Aug	Sep/Oct
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-27S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OU2MW-27I	25.0 - 30.0	--	--	--	--	--	--	--	--	--
OU2MW-27I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--
OU2MW-27D	65.0 - 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	--	--	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--	--

Table 4-7
Summary of Historic Total BTEX Groundwater Analytical Results - Mid-Plume Treatment Area
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (ug/L)								
		Sampling Date								
		1992	1999		2002			2003		
		Sep	Sep	Oct/Nov	Jan/Feb	Apr/May	Nov/Dec	Feb-Apr	Jul/Aug	Sep/Oct
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-43S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OU2MW-43I	25.0 - 30.0	--	--	--	--	--	--	--	--	--
OU2MW-43I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--
OU2MW-43D	65.0 - 70.0	--	--	--	--	--	--	--	--	--
OU2MW-44S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OU2MW-44I	25.0 - 30.0	--	--	--	--	--	--	--	--	--
OU2MW-44I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--
OU2MW-44D	65.0 - 70.0	--	--	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--	--
OU2MW-55S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OU2MW-55I	30.0 - 35.0	--	--	--	--	--	--	--	--	--
OU2MW-55I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--
OU2MW-55D	65.0 - 70.0	--	--	--	--	--	--	--	--	--
OU2MW-56S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OU2MW-56I	25.0 - 30.0	--	--	--	--	--	--	--	--	--
OU2MW-56I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--
OU2MW-56D	65.0 - 70.0	--	--	--	--	--	--	--	--	--

Table 4-7
Summary of Historic Total BTEX Groundwater Analytical Results - Mid-Plume Treatment Area
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (ug/L)									
		Sampling Date									
		2004				2005				2006	
		Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	Jun	Aug	Nov/Dec	Mar	Jun
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-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-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	--	--	--	--	--	--	--	--	--	--

Table 4-7
Summary of Historic Total BTEX Groundwater Analytical Results - Mid-Plume Treatment Area
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (ug/L)									
		Sampling Date									
		2004				2005				2006	
		Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	Jun	Aug	Nov/Dec	Mar	Jun
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-27S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-27I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-27I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-27D	65.0 - 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	--	--	--	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--	--	--

Table 4-7
Summary of Historic Total BTEX Groundwater Analytical Results - Mid-Plume Treatment Area
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (ug/L)									
		Sampling Date									
		2004				2005				2006	
		Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	Jun	Aug	Nov/Dec	Mar	Jun
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-43S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-43I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-43I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-43D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
OU2MW-44S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-44I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-44I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-44D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--	--	--
OU2MW-55S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-55I	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--
OU2MW-55I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--
OU2MW-55D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
OU2MW-56S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-56I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-56I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-56D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--

Table 4-7
Summary of Historic Total BTEX Groundwater Analytical Results - Mid-Plume Treatment Area
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (ug/L)									
		Sampling Date									
		2006		2007				2008			
		Jul/Aug	Nov/Dec	Mar	May-Jul	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
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-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-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
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

Table 4-7
Summary of Historic Total BTEX Groundwater Analytical Results - Mid-Plume Treatment Area
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (ug/L)									
		Sampling Date									
		2006		2007				2008			
		Jul/Aug	Nov/Dec	Mar	May-Jul	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
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-27S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-27I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-27I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-27D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--	--	--
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

Table 4-7
Summary of Historic Total BTEX Groundwater Analytical Results - Mid-Plume Treatment Area
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (ug/L)									
		Sampling Date									
		2006		2007				2008			
		Jul/Aug	Nov/Dec	Mar	May-Jul	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
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-43S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-43I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-43I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-43D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
OU2MW-44S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-44I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-44I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-44D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
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
OU2MW-55S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-55I	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--
OU2MW-55I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--
OU2MW-55D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
OU2MW-56S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-56I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-56I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-56D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--

Table 4-7
Summary of Historic Total BTEX Groundwater Analytical Results - Mid-Plume Treatment Area
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (ug/L)											
		Sampling Date							Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2009				2010							
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep					
BBMW-02S	5.0 - 15.0	0	0	0	10	0	0	0	0	10	1	0	10
BBMW-02I	30.0 - 40.0	0	0	0	0	0	0	0	0	7	0	0	7
BBMW-02D	73.0 - 83.0	0	0	0	0	0	0	0	0	21	1	0	21
BBMW-15S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0
BBMW-15I	23.0 - 28.0	146	0	0	0	0	0	0	0	473	30	0	473
BBMW-15I2	35.0 - 45.0	0	0	0	0	0	0	0	0	149	10	0	149
BBMW-15D	70.0 - 80.0	0	0	0	0	0	0	0	0	0	0	0	0
BBMW-16S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0
BBMW-16I	35.0 - 45.0	0	0	0	0	0	0	0	0	0	0	0	0
BBMW-16D	68.0 - 78.0	0	0	0	0	0	0	0	0	0	0	0	0
BBMW-24S	4.0 - 14.0	0	0	0	0	0	0	0	0	117	4	0	117
BBMW-24I	32.0 - 42.0	10	394	14	3	2	1	0	0	2,408	402	0	2,408
BBMW-24D	59.5 - 69.5	22	107	29	103	147	65	0	0	1,420	423	0	1,420
GM-03S	6.78 - 21.78	--	--	--	--	--	--	--	0	229	62	0	229
GM-03I	30.03 - 45.03	--	--	--	--	--	--	--	0	879	122	0	879
GM-03D	53.18 - 68.18	--	--	--	--	--	--	--	0	375	32	0	375
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	0	0	0	0
OU2MW-08S	20.0 - 25.0	1,078	898	314	366	426	231	7	231	2,210	790	7	2,210
OU2MW-08I	35.0 - 40.0	46	333	209	4	156	168	136	4	527	221	4	527
OU2MW-08I2	50.0 - 55.0	152	39	86	104	136	92	120	39	590	241	39	590
OU2MW-08D	65.0 - 70.0	0	0	0	0	0	0	0	0	16	1	0	16
OU2MW-19I	13.0 - 23.0	82	110	121	65	21	1	0	1	4,617	992	0	4,617
OU2MW-19I2	35.0 - 45.0	103	75	61	108	0	10	22	0	133	81	0	133
OU2MW-19D	65.0 - 70.0	542	341	127	152	0	13	14	0	1,818	442	0	1,818
OU2MW-20S	4.0 - 9.0	0	0	0	0	0	0	0	0	1	0	0	1
OU2MW-20I	13.0 - 23.0	819	158	28	10	26	172	12	10	819	322	10	819
OU2MW-20I2	35.0 - 45.0	0	0	0	0	0	0	0	0	1	0	0	1
OU2MW-20D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-21S	5.0 - 15.0	870	0	0	0	0	0	0	0	870	136	0	870
OU2MW-21I	13.0 - 23.0	4,930	195	26	9	3	0	0	0	4,930	985	0	4,930
OU2MW-21I2	35.0 - 45.0	479	99	176	26	5	6	6	5	479	143	5	479
OU2MW-22S	5.0 - 15.0	2	0	0	0	0	0	0	0	2	0	0	2
OU2MW-22I	25.0 - 30.0	125	6	158	3	0	8	89	0	298	85	0	298
OU2MW-22I2	46.0 - 51.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-22D	67.0 - 72.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-23S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-23I	25.0 - 30.0	157	117	2,393	112	294	3	1	3	2,393	729	1	2,393
OU2MW-23I2	45.0 - 50.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-23D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-24S	5.0 - 15.0	23	0	0	0	0	0	0	0	23	3	0	23
OU2MW-24I	25.0 - 30.0	2,153	197	56	0	0	0	0	0	2,862	753	0	2,862
OU2MW-24I2	45.0 - 50.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-24D	62.0 - 67.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-25S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0

Table 4-7
Summary of Historic Total BTEX Groundwater Analytical Results - Mid-Plume Treatment Area
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (ug/L)											
		Sampling Date							Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2009				2010							
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep					
OU2MW-25I	25.0 - 30.0	276	138	49	732	6	0	29	0	732	189	0	732
OU2MW-25I2	45.0 - 50.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-25D	70.0 - 75.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-26S	6.0 - 11.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-26I	13.0 - 23.0	287	4	5	3	24	0	0	0	287	96	0	287
OU2MW-26I2	35.0 - 45.0	1,559	26	3	319	136	5	41	0	1,559	267	0	1,559
OU2MW-26D	60.0 - 70.0	474	335	491	890	362	980	640	76	980	440	76	980
OU2MW-27S	5.0 - 15.0	--	--	--	0	0	0	0	0	0	0	0	0
OU2MW-27I	25.0 - 30.0	--	--	--	0	0	0	0	0	0	0	0	0
OU2MW-27I2	45.0 - 50.0	--	--	--	24	11	12	0	11	24	16	0	24
OU2MW-27D	65.0 - 70.0	--	--	--	18	24	0	0	0	24	14	0	24
OU2MW-28S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-28I	28.0 - 33.0	93	3	4	98	0	0	0	0	400	96	0	400
OU2MW-28I2	40.0 - 45.0	1	2	72	66	85	286	264	0	286	64	0	286
OU2MW-29I	18.0 - 23.0	1,122	480	31	4	0	0	0	0	1,715	580	0	1,715
OU2MW-29I2	30.0 - 35.0	87	96	99	52	153	118	3	52	1,316	271	3	1,316
OU2MW-29D	45.0 - 50.0	359	388	173	211	141	85	188	85	405	247	85	405
OU2MW-30S	5.0 - 15.0	3	0	0	0	0	0	0	0	251	38	0	251
OU2MW-30I	25.0 - 30.0	208	729	218	5	0	0	0	0	729	219	0	729
OU2MW-30I2	30.0 - 35.0	43	471	195	143	80	4	3	4	533	189	3	533
OU2MW-30I3	45.0 - 50.0	254	130	31	19	10	3	37	3	254	98	3	254
OU2MW-30D	50.0 - 55.0	134	197	30	117	62	254	137	30	301	163	30	301
OU2MW-30D2	60.0 - 65.0	375	347	220	303	120	422	301	120	422	309	120	422
OU2MW-31I	18.0 - 23.0	779	856	3	1	0	0	0	0	856	312	0	856
OU2MW-31I2	30.0 - 35.0	1	413	59	0	5	38	2	0	413	65	0	413
OU2MW-32S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-32I	20.0 - 25.0	3,698	5,013	701	899	2,583	2,554	399	701	5,013	2,360	399	5,013
OU2MW-32I2	30.0 - 35.0	71	57	7	2	25	76	2	2	1,493	263	2	1,493
OU2MW-32D	40.0 - 45.0	25	8	0	0	7	0	0	0	177	34	0	177
OU2MW-33S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-33I	25.0 - 30.0	3,159	63	5	36	8	83	2	5	3,159	559	2	3,159
OU2MW-33I2	35.0 - 40.0	77	2	0	154	1	0	0	0	154	39	0	154
OU2MW-33D	50.0 - 55.0	2	0	0	0	0	0	0	0	2	0	0	2
OU2MW-34S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-34I	25.0 - 30.0	2,348	2,227	1,041	1,230	1,015	760	211	760	2,348	1,437	211	2,348
OU2MW-34I2	45.0 - 50.0	0	0	0	14	0	0	0	0	14	2	0	14
OU2MW-35S	5.0 - 15.0	9	16	0	0	0	0	0	0	17	6	0	17
OU2MW-35I	25.0 - 30.0	9	12	0	0	0	0	0	0	678	100	0	678
OU2MW-35I2	45.0 - 50.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-35D	57.0 - 62.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-36S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-36I	25.0 - 30.0	55	42	0	0	0	0	0	0	288	55	0	288
OU2MW-36I2	45.0 - 50.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-36D	61.0 - 66.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-37S	5.0 - 15.0	0	9	18	0	0	0	0	0	18	4	0	18
OU2MW-37I	25.0 - 30.0	373	411	2,623	3	267	11	338	3	2,623	539	3	2,623

Table 4-7
Summary of Historic Total BTEX Groundwater Analytical Results - Mid-Plume Treatment Area
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (ug/L)											
		Sampling Date							Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2009				2010							
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep					
OU2MW-37I2	45.0 - 50.0	0	4	0	0	0	0	0	0	4	1	0	4
OU2MW-37D	67.0 - 72.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-38S	5.0 - 15.0	23	0	0	0	0	0	0	0	23	3	0	23
OU2MW-38I	25.0 - 30.0	122	204	240	29	1	0	6	0	4,001	657	0	4,001
OU2MW-38I2	46.0 - 51.0	0	0	0	0	0	1	197	0	1	0	0	197
OU2MW-38D	56.0 - 61.0	0	0	0	0	0	0	80	0	0	0	0	80
OU2MW-39S	5.0 - 15.0	0	2	0	0	0	0	0	0	2	0	0	2
OU2MW-39I	25.0 - 30.0	0	5	0	4	18	0	0	0	18	4	0	18
OU2MW-39I2	45.0 - 50.0	0	1	3	0	84	228	26	0	228	45	0	228
OU2MW-39D	70.0 - 75.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-40S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-40I	18.0 - 23.0	270	168	24	0	0	0	0	0	270	89	0	270
OU2MW-41S	5.0 - 15.0	8	0	0	0	4	0	0	0	92	13	0	92
OU2MW-41I	18.0 - 23.0	1,433	585	526	48	358	5	2	5	1,625	760	2	1,625
OU2MW-42S	5.0 - 15.0	--	22	11	0	3	0	0	0	22	7	0	22
OU2MW-42I	25.0 - 30.0	--	4	86	18	13	33	0	4	86	31	0	86
OU2MW-42I2	45.0 - 50.0	--	0	0	0	2	4	0	0	4	1	0	4
OU2MW-42D	60.0 - 65.0	--	0	100	45	8	12	18	0	100	33	0	100
OU2MW-43S	5.0 - 15.0	--	--	--	963	1	118	0	1	963	361	0	963
OU2MW-43I	25.0 - 30.0	--	--	--	205	0	2	5	0	205	69	0	205
OU2MW-43I2	45.0 - 50.0	--	--	--	81	5	13	12	5	81	33	5	81
OU2MW-43D	65.0 - 70.0	--	--	--	58	14	4	2	4	58	25	2	58
OU2MW-44S	5.0 - 15.0	--	--	--	0	0	0	0	0	0	0	0	0
OU2MW-44I	25.0 - 30.0	--	--	--	0	0	0	0	0	0	0	0	0
OU2MW-44I2	45.0 - 50.0	--	--	--	0	0	0	0	0	0	0	0	0
OU2MW-44D	65.0 - 70.0	--	--	--	0	0	0	0	0	0	0	0	0
OU2MW-45S	5.0 - 15.0	60	15	27	67	1	0	0	0	108	40	0	108
OU2MW-45I	20.0 - 25.0	10	20	1	2	600	62	0	1	600	100	0	600
OU2MW-45I2	40.0 - 45.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-45D	55.0 - 60.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-46S	5.0 - 15.0	422	21	0	0	0	0	0	0	422	123	0	422
OU2MW-46I	20.0 - 25.0	1,991	37	0	0	0	0	0	0	1,991	561	0	1,991
OU2MW-46I2	40.0 - 45.0	375	185	0	0	0	0	5	0	375	80	0	375
OU2MW-47S	5.0 - 15.0	146	0	0	5	0	0	0	0	148	43	0	148
OU2MW-47I	20.0 - 25.0	2,714	40	0	0	0	0	0	0	2,714	542	0	2,714
OU2MW-47I2	40.0 - 45.0	159	7	173	3	2	57	0	2	297	100	0	297
OU2MW-47D	60.0 - 65.0	569	695	258	234	39	13	11	13	695	326	11	695
OU2MW-55S	5.0 - 15.0	--	--	--	--	--	8	8	8	8	8	8	8
OU2MW-55I	30.0 - 35.0	--	--	--	--	--	18	10	18	18	18	10	18
OU2MW-55I2	50.0 - 55.0	--	--	--	--	--	120	100	120	120	120	100	120
OU2MW-55D	65.0 - 70.0	--	--	--	--	--	159	156	159	159	159	156	159
OU2MW-56S	5.0 - 15.0	--	--	--	--	--	0	0	0	0	0	0	0
OU2MW-56I	25.0 - 30.0	--	--	--	--	--	45	6	45	45	45	6	45
OU2MW-56I2	45.0 - 50.0	--	--	--	--	--	0	0	0	0	0	0	0
OU2MW-56D	65.0 - 70.0	--	--	--	--	--	0	0	0	0	0	0	0

Notes for groundwater tables are compiled at the end of the Tables in this section.

Table 4-8
Summary of Historic Total PAH Groundwater Analytical Results - Mid-Plume Treatment Area
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (ug/L)								
		Sampling Date								
		1992	1999		2002			2003		
		Sept	Sept	Oct/Nov	Jan/Feb	Apr/May	Nov/Dec	Feb-Apr	Jul/Aug	Sept/Oct
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-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-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	--	--	--	--	--	--	--	--	--

Table 4-8
Summary of Historic Total PAH Groundwater Analytical Results - Mid-Plume Treatment Area
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (ug/L)								
		Sampling Date								
		1992	1999		2002			2003		
		Sept	Sept	Oct/Nov	Jan/Feb	Apr/May	Nov/Dec	Feb-Apr	Jul/Aug	Sept/Oct
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-27S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OU2MW-27I	25.0 - 30.0	--	--	--	--	--	--	--	--	--
OU2MW-27I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--
OU2MW-27D	65.0 - 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	--	--	--	--	--	--	--	--	--
OU2MW-35I	25.0 - 30.0	--	--	--	--	--	--	--	--	--
OU2MW-35I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--
OU2MW-35D	57.0 - 62.0	--	--	--	--	--	--	--	--	--

Table 4-8
Summary of Historic Total PAH Groundwater Analytical Results - Mid-Plume Treatment Area
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (ug/L)								
		Sampling Date								
		1992	1999		2002			2003		
		Sept	Sept	Oct/Nov	Jan/Feb	Apr/May	Nov/Dec	Feb-Apr	Jul/Aug	Sept/Oct
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-43S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OU2MW-43I	25.0 - 30.0	--	--	--	--	--	--	--	--	--
OU2MW-43I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--
OU2MW-43D	65.0 - 70.0	--	--	--	--	--	--	--	--	--
OU2MW-44S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OU2MW-44I	25.0 - 30.0	--	--	--	--	--	--	--	--	--
OU2MW-44I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--
OU2MW-44D	65.0 - 70.0	--	--	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--	--
OU2MW-55S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OU2MW-55I	30.0 - 35.0	--	--	--	--	--	--	--	--	--

Table 4-8
Summary of Historic Total PAH Groundwater Analytical Results - Mid-Plume Treatment Area
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (ug/L)								
		Sampling Date								
		1992	1999		2002			2003		
		Sept	Sept	Oct/Nov	Jan/Feb	Apr/May	Nov/Dec	Feb-Apr	Jul/Aug	Sept/Oct
OU2MW-55I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--
OU2MW-55D	65.0 - 70.0	--	--	--	--	--	--	--	--	--
OU2MW-56S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
OU2MW-56I	25.0 - 30.0	--	--	--	--	--	--	--	--	--
OU2MW-56I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--
OU2MW-56D	65.0 - 70.0	--	--	--	--	--	--	--	--	--

Table 4-8
Summary of Historic Total PAH Groundwater Analytical Results - Mid-Plume Treatment Area
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	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-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-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-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	--	--	--	--	--	--	--	--	--	--

Table 4-8
Summary of Historic Total PAH Groundwater Analytical Results - Mid-Plume Treatment Area
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	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-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-27S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-27I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-27I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-27D	65.0 - 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	--	--	--	--	--	--	--	--	--	--
OU2MW-35I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-35I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-35D	57.0 - 62.0	--	--	--	--	--	--	--	--	--	--

Table 4-8
Summary of Historic Total PAH Groundwater Analytical Results - Mid-Plume Treatment Area
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	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-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-43S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-43I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-43I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-43D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
OU2MW-44S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-44I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-44I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-44D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--	--	--
OU2MW-55S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-55I	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--

Table 4-8
Summary of Historic Total PAH Groundwater Analytical Results - Mid-Plume Treatment Area
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	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-55I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--
OU2MW-55D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
OU2MW-56S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-56I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-56I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-56D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--

Table 4-8
Summary of Historic Total PAH Groundwater Analytical Results - Mid-Plume Treatment Area
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	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-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-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-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

Table 4-8
Summary of Historic Total PAH Groundwater Analytical Results - Mid-Plume Treatment Area
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	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-25S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	0
OU2MW-25I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	149
OU2MW-25I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	0
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-27S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-27I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-27I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-27D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
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
OU2MW-35I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	2,270
OU2MW-35I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	0
OU2MW-35D	57.0 - 62.0	--	--	--	--	--	--	--	--	--	4

Table 4-8
Summary of Historic Total PAH Groundwater Analytical Results - Mid-Plume Treatment Area
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	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-36S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	0
OU2MW-36I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	1,302
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	--	--	--	--	--	--	--	--	--	43
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	--	--	--	--	--	--	--	--	--	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
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-43S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-43I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-43I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-43D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
OU2MW-44S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-44I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-44I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-44D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
OU2MW-45S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
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
OU2MW-55S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-55I	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--

Table 4-8
Summary of Historic Total PAH Groundwater Analytical Results - Mid-Plume Treatment Area
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	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-55I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--
OU2MW-55D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--
OU2MW-56S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-56I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-56I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--
OU2MW-56D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--

Table 4-8
Summary of Historic Total PAH Groundwater Analytical Results - Mid-Plume Treatment Area
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (ug/L)											
		Sampling Date							Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2009				2010							
		Jan-Mar	Apr-Jun	July-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sept					
BBMW-02S	5.0 - 15.0	0	0	0	0	0	0	0	0	2	0	0	2
BBMW-02I	30.0 - 40.0	0	0	0	0	0	0	0	0	0	0	0	0
BBMW-02D	73.0 - 83.0	0	0	0	0	0	0	0	0	2	0	0	2
BBMW-15S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0
BBMW-15I	23.0 - 28.0	48	0	0	0	0	0	0	0	48	4	0	48
BBMW-15I2	35.0 - 45.0	0	0	0	0	0	0	0	0	77	4	0	77
BBMW-15D	70.0 - 80.0	0	0	0	0	0	0	0	0	2	0	0	2
BBMW-16S	5.0 - 15.0	0	0	0	0	0	0	0	0	2	0	0	2
BBMW-16I	35.0 - 45.0	0	0	0	0	0	0	0	0	2	0	0	2
BBMW-16D	68.0 - 78.0	0	0	0	0	0	0	0	0	23	2	0	23
BBMW-24S	4.0 - 14.0	0	0	0	1	0	0	0	0	908	39	0	908
BBMW-24I	32.0 - 42.0	0	1,027	0	0	0	0	0	0	11,246	3,168	0	11,246
BBMW-24D	59.5 - 69.5	233	13	53	131	268	114	26	0	8,110	2,171	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	0	0	0	0	62	7	0	62
OU2MW-08S	20.0 - 25.0	4,426	4,661	4,301	714	1,958	820	84	714	13,563	5,950	84	13,563
OU2MW-08I	35.0 - 40.0	4,781	7,615	2,887	1	344	9	60	1	12,258	3,572	1	12,258
OU2MW-08I2	50.0 - 55.0	906	0	70	2,140	2,182	524	704	0	3,501	1,644	0	3,501
OU2MW-08D	65.0 - 70.0	0	0	0	0	0	0	0	0	3,892	211	0	3,892
OU2MW-19I	13.0 - 23.0	175	92	146	55	26	11	0	11	1,459	374	0	1,459
OU2MW-19I2	35.0 - 45.0	7,147	6,811	3,337	5,885	644	41	69	41	7,648	4,885	41	7,648
OU2MW-19D	65.0 - 70.0	1,862	2,841	3,601	2,932	0	0	0	0	3,718	1,969	0	3,718
OU2MW-20S	4.0 - 9.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-20I	13.0 - 23.0	74	0	0	5	1	2	3	0	101	30	0	101
OU2MW-20I2	35.0 - 45.0	0	0	0	0	0	0	0	0	4	0	0	4
OU2MW-20D	65.0 - 70.0	0	0	0	2	0	0	0	0	2	1	0	2
OU2MW-21S	5.0 - 15.0	341	9	4	0	0	13	0	0	424	113	0	424
OU2MW-21I	13.0 - 23.0	1,948	24	86	0	17	29	0	0	5,417	1,331	0	5,417
OU2MW-21I2	35.0 - 45.0	3,902	1,244	110	10	6	1	2	1	3,985	1,813	1	3,985
OU2MW-22S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-22I	25.0 - 30.0	32	0	23	0	0	0	22	0	181	34	0	181
OU2MW-22I2	46.0 - 51.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-22D	67.0 - 72.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-23S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-23I	25.0 - 30.0	178	63	323	0	0	0	0	0	429	142	0	429
OU2MW-23I2	45.0 - 50.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-23D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-24S	5.0 - 15.0	0	0	3	0	258	0	0	0	258	37	0	258
OU2MW-24I	25.0 - 30.0	5,796	1,068	493	80	0	5	0	0	6,015	1,922	0	6,015
OU2MW-24I2	45.0 - 50.0	0	0	0	0	0	0	0	0	4	1	0	4
OU2MW-24D	62.0 - 67.0	0	0	0	0	0	0	0	0	0	0	0	0

Table 4-8
Summary of Historic Total PAH Groundwater Analytical Results - Mid-Plume Treatment Area
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (ug/L)											
		Sampling Date							Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2009				2010							
		Jan-Mar	Apr-Jun	July-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sept					
OU2MW-25S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-25I	25.0 - 30.0	121	133	72	63	45	0	6	0	149	83	0	149
OU2MW-25I2	45.0 - 50.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-25D	70.0 - 75.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-26S	6.0 - 11.0	0	0	0	0	0	0	0	0	5	1	0	5
OU2MW-26I	13.0 - 23.0	277	0	3	0	1	1	0	0	277	86	0	277
OU2MW-26I2	35.0 - 45.0	2,576	26	14	7	15	6	0	6	3,990	850	0	3,990
OU2MW-26D	60.0 - 70.0	1,742	3,482	4,328	5,814	4,267	2,232	3,291	149	5,814	2,667	149	5,814
OU2MW-27S	5.0 - 15.0	--	--	--	0	0	0	0	0	0	0	0	0
OU2MW-27I	25.0 - 30.0	--	--	--	10	2	0	0	0	10	4	0	10
OU2MW-27I2	45.0 - 50.0	--	--	--	18	8	0	2	0	18	9	0	18
OU2MW-27D	65.0 - 70.0	--	--	--	1,150	0	2	1	0	1,150	384	0	1,150
OU2MW-28S	5.0 - 15.0	0	1	0	0	0	0	0	0	1	0	0	1
OU2MW-28I	28.0 - 33.0	121	0	11	13	0	0	0	0	283	70	0	283
OU2MW-28I2	40.0 - 45.0	15	0	1,712	532	79	4,443	4,414	0	4,443	851	0	4,443
OU2MW-29I	18.0 - 23.0	700	513	38	6	0	0	0	0	1,083	400	0	1,083
OU2MW-29I2	30.0 - 35.0	2,778	6,117	274	501	76	57	15	57	6,159	2,451	15	6,159
OU2MW-29D	45.0 - 50.0	314	2,842	2,937	2,890	1,726	789	2,278	314	2,937	2,079	314	2,937
OU2MW-30S	5.0 - 15.0	10	0	0	0	0	0	0	0	1,990	250	0	1,990
OU2MW-30I	25.0 - 30.0	5,175	2,186	33	6	11	5	0	5	7,304	2,535	0	7,304
OU2MW-30I2	30.0 - 35.0	6,025	4,696	195	76	6	2	13	2	6,605	2,910	2	6,605
OU2MW-30I3	45.0 - 50.0	5,562	5,586	94	80	3	0	73	0	5,586	2,065	0	5,586
OU2MW-30D	50.0 - 55.0	1,652	4,681	84	586	8	3	6	3	5,989	1,761	3	5,989
OU2MW-30D2	60.0 - 65.0	4,735	2,274	15	2,904	147	2,248	2,312	15	4,735	2,456	15	4,735
OU2MW-31I	18.0 - 23.0	79	137	4	0	0	0	0	0	488	115	0	488
OU2MW-31I2	30.0 - 35.0	0	841	21	1	0	0	0	0	841	109	0	841
OU2MW-32S	5.0 - 15.0	63	0	0	0	0	0	0	0	63	8	0	63
OU2MW-32I	20.0 - 25.0	2,818	7,796	4,621	2,814	1,579	573	202	573	7,796	3,525	202	7,796
OU2MW-32I2	30.0 - 35.0	1,164	408	94	39	503	578	132	39	5,230	1,434	39	5,230
OU2MW-32D	40.0 - 45.0	189	32	10	0	0	0	2	0	1,336	200	0	1,336
OU2MW-33S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-33I	25.0 - 30.0	565	158	39	66	25	63	10	25	565	153	10	565
OU2MW-33I2	35.0 - 40.0	104	14	4	679	16	6	0	4	679	137	0	679
OU2MW-33D	50.0 - 55.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-34S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-34I	25.0 - 30.0	257	333	153	280	295	195	53	153	333	252	53	333
OU2MW-34I2	45.0 - 50.0	3	0	0	11	0	0	0	0	11	2	0	11
OU2MW-35S	5.0 - 15.0	0	0	0	0	0	0	0	0	3	0	0	3
OU2MW-35I	25.0 - 30.0	250	8	0	0	0	0	0	0	2,270	361	0	2,270
OU2MW-35I2	45.0 - 50.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-35D	57.0 - 62.0	0	0	0	0	0	0	0	0	4	1	0	4

Table 4-8
Summary of Historic Total PAH Groundwater Analytical Results - Mid-Plume Treatment Area
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (ug/L)											
		Sampling Date							Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2009				2010							
		Jan-Mar	Apr-Jun	July-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sept					
OU2MW-36S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-36I	25.0 - 30.0	573	325	0	0	0	0	0	0	1,302	314	0	1,302
OU2MW-36I2	45.0 - 50.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-36D	61.0 - 66.0	1	0	0	0	0	0	0	0	1	0	0	1
OU2MW-37S	5.0 - 15.0	0	3	0	0	0	0	0	0	3	0	0	3
OU2MW-37I	25.0 - 30.0	38	216	23	0	11	0	65	0	216	47	0	216
OU2MW-37I2	45.0 - 50.0	0	3	0	0	0	0	0	0	3	0	0	3
OU2MW-37D	67.0 - 72.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-38S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-38I	25.0 - 30.0	2,202	206	61	14	0	0	0	0	2,992	782	0	2,992
OU2MW-38I2	46.0 - 51.0	0	0	0	0	0	0	26	0	0	0	0	26
OU2MW-38D	56.0 - 61.0	0	0	0	0	0	0	60	0	0	0	0	60
OU2MW-39S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-39I	25.0 - 30.0	4	3	0	0	0	0	0	0	32	6	0	32
OU2MW-39I2	45.0 - 50.0	0	55	130	1	671	220	89	0	671	154	0	671
OU2MW-39D	70.0 - 75.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-40S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-40I	18.0 - 23.0	167	71	25	16	14	0	0	0	167	73	0	167
OU2MW-41S	5.0 - 15.0	0	0	0	0	1	19	0	0	143	20	0	143
OU2MW-41I	18.0 - 23.0	4,276	1,981	540	129	543	0	13	0	4,276	1,703	0	4,276
OU2MW-42S	5.0 - 15.0	--	107	0	0	5	0	0	0	107	22	0	107
OU2MW-42I	25.0 - 30.0	--	2	0	0	106	14	7	0	106	24	0	106
OU2MW-42I2	45.0 - 50.0	--	0	0	0	0	0	0	0	0	0	0	0
OU2MW-42D	60.0 - 65.0	--	4	185	373	199	80	56	4	373	168	4	373
OU2MW-43S	5.0 - 15.0	--	--	--	219	31	0	0	0	219	83	0	219
OU2MW-43I	25.0 - 30.0	--	--	--	197	18	0	0	0	197	72	0	197
OU2MW-43I2	45.0 - 50.0	--	--	--	5,130	10	96	0	10	5,130	1,745	0	5,130
OU2MW-43D	65.0 - 70.0	--	--	--	14	71	10	4	10	71	32	4	71
OU2MW-44S	5.0 - 15.0	--	--	--	0	0	0	0	0	0	0	0	0
OU2MW-44I	25.0 - 30.0	--	--	--	1	0	0	0	0	1	0	0	1
OU2MW-44I2	45.0 - 50.0	--	--	--	0	0	0	0	0	0	0	0	0
OU2MW-44D	65.0 - 70.0	--	--	--	0	0	0	0	0	0	0	0	0
OU2MW-45S	5.0 - 15.0	--	--	--	45	0	0	0	0	45	15	0	45
OU2MW-45I	20.0 - 25.0	8	5	1	2	200	25	1	1	200	39	1	200
OU2MW-45I2	40.0 - 45.0	7	0	0	0	0	0	0	0	39	7	0	39
OU2MW-45D	55.0 - 60.0	0	0	2	0	0	0	0	0	2	0	0	2
OU2MW-46S	5.0 - 15.0	31	0	0	0	0	0	0	0	31	4	0	31
OU2MW-46I	20.0 - 25.0	2,169	12	0	0	0	0	0	0	2,503	669	0	2,503
OU2MW-46I2	40.0 - 45.0	4	56	0	0	0	0	0	0	56	9	0	56
OU2MW-47S	5.0 - 15.0	0	0	0	0	0	0	0	0	56	8	0	56
OU2MW-47I	20.0 - 25.0	1,043	4	0	1	0	0	0	0	1,043	262	0	1,043
OU2MW-47I2	40.0 - 45.0	3,627	8	31	7	4	8	0	4	6,146	1,404	0	6,146
OU2MW-47D	60.0 - 65.0	7,007	6,751	3,906	1,550	0	6	32	0	7,437	3,808	0	7,437
OU2MW-55S	5.0 - 15.0	--	--	--	--	--	0	0	0	0	0	0	0
OU2MW-55I	30.0 - 35.0	--	--	--	--	--	0	0	0	0	0	0	0

Table 4-8
Summary of Historic Total PAH Groundwater Analytical Results - Mid-Plume Treatment Area
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (ug/L)											
		Sampling Date							Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2009				2010							
		Jan-Mar	Apr-Jun	July-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sept					
OU2MW-55I2	50.0 - 55.0	--	--	--	--	--	18	336	18	18	18	18	336
OU2MW-55D	65.0 - 70.0	--	--	--	--	--	179	29	179	179	179	29	179
OU2MW-56S	5.0 - 15.0	--	--	--	--	--	0	0	0	0	0	0	0
OU2MW-56I	25.0 - 30.0	--	--	--	--	--	6	0	6	6	6	0	6
OU2MW-56I2	45.0 - 50.0	--	--	--	--	--	0	0	0	0	0	0	0
OU2MW-56D	65.0 - 70.0	--	--	--	--	--	0	0	0	0	0	0	0

Notes for groundwater tables are compiled at the end of the Tables in this section.

Table 4-9
Summary of Historic Total BTEX Groundwater Analytical Results - Downgradient of Montauk Highway
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (ug/L)									
		Sampling Date									
		1992	1999		2000	2002			2003		
		Sep	Sep	Oct/Nov	Nov/Dec	Jan/Feb	Apr/May	Nov/Dec	Feb-Apr	Jul/Aug	Sep/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	422	283	124	27	106	307	87	367	0
GM-05I	35.05 - 48.05	0	0	2	0	0	0	0	0	--	0
GM-05D	60.95 - 75.95	0	0	0	0	0	0	--	--	--	--
GMP-01	25.0 - 30.0	--	--	--	1,090	1,056	433	348	250	824	454
GMP-02	18.0 - 23.0	--	--	--	1,387	321	197	2,268	710	2,275	1,194
GMP-04	15.5 - 20.5	--	--	--	60	67	44	82	0	11	12
OU2IW-01S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--
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-06S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--
OU2MW-06	15.0 - 25.0	--	--	--	--	--	--	--	--	--	--
OU2MW-07S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--
OU2MW-07	15.0 - 25.0	--	--	--	--	--	--	--	--	--	--
OU2MW-09	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--
OU2MW-10S	3.0 - 7.0	--	--	--	--	--	--	--	--	--	--
OU2MW-10I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--
OU2MW-10D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--
OU2MW-11S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--

Table 4-9
Summary of Historic Total BTEX Groundwater Analytical Results - Downgradient of Montauk Highway
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (ug/L)									
		Sampling Date									
		1992	1999		2000	2002			2003		
		Sep	Sep	Oct/Nov	Nov/Dec	Jan/Feb	Apr/May	Nov/Dec	Feb-Apr	Jul/Aug	Sep/Oct
OU2MW-11I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--
OU2MW-11I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--
OU2MW-11D	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--
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-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	--	--	--	--	--	--	--	--	--	--
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 4-9
Summary of Historic Total BTEX Groundwater Analytical Results - Downgradient of Montauk Highway
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (ug/L)									
		Sampling Date									
		2004				2005				2006	
		Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	Jun	Aug	Nov/Dec	Mar	Jun
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
GMP-02	18.0 - 23.0	1,735	913	660	24	1,318	1,090	550	311	151	11
GMP-04	15.5 - 20.5	331	385	345	1,483	263	214	366	1,132	242	83
OU2IW-01S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--
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-06S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--
OU2MW-06	15.0 - 25.0	--	--	--	--	--	--	1,085	--	11	0
OU2MW-07S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--
OU2MW-07	15.0 - 25.0	--	--	--	--	--	--	35	--	59	39
OU2MW-09	30.0 - 40.0	--	--	--	--	--	--	0	--	0	0
OU2MW-10S	3.0 - 7.0	--	--	--	--	--	--	--	--	--	--
OU2MW-10I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--
OU2MW-10D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--
OU2MW-11S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--

Table 4-9
Summary of Historic Total BTEX Groundwater Analytical Results - Downgradient of Montauk Highway
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (ug/L)									
		Sampling Date									
		2004				2005				2006	
		Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	Jun	Aug	Nov/Dec	Mar	Jun
OU2MW-11I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--
OU2MW-11I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--
OU2MW-11D	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--
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-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	--	--	--	--	--	--	--	--	--	--
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 4-9
Summary of Historic Total BTEX Groundwater Analytical Results - Downgradient of Montauk Highway
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (ug/L)									
		Sampling Date									
		2006		2007				2008			
		Jul/Aug	Nov/Dec	Mar	May-Jul	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	Jul-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
GMP-02	18.0 - 23.0	12	0	0	0	0	0	3	4	0	0
GMP-04	15.5 - 20.5	242	280	652	36	295	264	15	0	0	0
OU2IW-01S	3.0 - 8.0	--	--	--	--	0	0	0	0	0	0
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-06S	3.0 - 8.0	--	--	--	0	0	0	0	0	0	0
OU2MW-06	15.0 - 25.0	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	0	35	0	3	0	1	15	3	3	0
OU2MW-09	30.0 - 40.0	0	0	0	0	0	0	0	0	0	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-11S	3.0 - 8.0	--	--	--	0	0	0	0	0	0	0

Table 4-9
Summary of Historic Total BTEX Groundwater Analytical Results - Downgradient of Montauk Highway
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (ug/L)									
		Sampling Date									
		2006		2007				2008			
		Jul/Aug	Nov/Dec	Mar	May-Jul	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
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
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-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
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 4-9
Summary of Historic Total BTEX Groundwater Analytical Results - Downgradient of Montauk Highway
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (ug/L)											
		Sampling Date							Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2009				2010							
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep					
BBMW-03S	3.0 - 13.0	0	0	0	0	0	0	0	0	393	16	0	393
BBMW-03I	30.0 - 40.0	0	0	0	0	0	0	0	0	2	0	0	2
BBMW-03D	52.0 - 62.0	0	0	0	0	0	1	1	0	3	0	0	3
BBMW-07S	5.0 - 15.0	0	0	0	0	0	0	0	0	241	21	0	241
BBMW-07I	30.0 - 40.0	0	0	0	0	0	0	0	0	0	0	0	0
BBMW-07D	55.0 - 65.0	0	0	0	0	0	0	0	0	25	2	0	25
BBMW-25S	4.0 - 14.0	0	0	0	0	0	0	0	0	58	2	0	58
BBMW-25I	25.0 - 35.0	469	301	46	18	6	0	0	0	1,995	568	0	1,995
BBMW-25D	62.0 - 72.0	35	32	2	4	15	9	0	0	110	30	0	110
GM-05S	5.1 - 20.1	8	36	11	6	8	7	13	0	422	76	0	422
GM-05I	35.05 - 48.05	0	0	0	0	0	0	0	0	13	1	0	13
GM-05D	60.95 - 75.95	2	0	0	0	0	0	0	0	4	0	0	4
GMP-01	25.0 - 30.0	762	869	432	372	535	247	93	49	4,726	761	49	4,726
GMP-02	18.0 - 23.0	0	0	0	0	0	0	3	0	2,275	459	0	2,275
GMP-04	15.5 - 20.5	0	0	0	0	0	0	0	0	1,483	209	0	1,483
OU2IW-01S	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-01WT	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-01S	20.0 - 25.0	69	334	107	2	0	4	0	0	1,243	258	0	1,243
OU2MW-01I	35.0 - 40.0	2	195	186	4	2	0	0	0	885	203	0	885
OU2MW-01I2	50.0 - 55.0	0	0	3	1	0	47	14	0	195	31	0	195
OU2MW-01D	65.0 - 70.0	0	0	0	0	0	0	72	0	0	0	0	72
OU2MW-02S	20.0 - 25.0	5	184	46	0	0	0	0	0	573	107	0	573
OU2MW-02I	35.0 - 40.0	370	335	350	154	378	118	136	118	645	363	118	645
OU2MW-02I2	50.0 - 55.0	3	2	0	0	0	0	0	0	11	2	0	11
OU2MW-02D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-03S	20.0 - 25.0	30	99	48	90	13	0	7	0	1,108	168	0	1,108
OU2MW-03I	35.0 - 40.0	366	15	0	14	158	219	0	0	1,262	121	0	1,262
OU2MW-03I2	50.0 - 55.0	5	38	10	8	2	0	0	0	38	5	0	38
OU2MW-03D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-04WT	3.0 - 8.0	0	0	0	0	0	0	0	0	10	1	0	10
OU2MW-04S	20.0 - 25.0	841	891	654	818	345	70	89	70	3,130	735	70	3,130
OU2MW-04I	35.0 - 40.0	97	198	28	22	68	68	17	0	885	165	0	885
OU2MW-04I2	50.0 - 55.0	0	189	1	0	63	36	7	0	189	19	0	189
OU2MW-04D	65.0 - 70.0	2	0	0	0	0	0	0	0	3	0	0	3
OU2MW-05	25.0 - 35.0	466	290	369	242	94	137	139	94	3,159	487	94	3,159
OU2MW-06S	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-06	15.0 - 25.0	0	0	0	0	0	3	0	0	1,085	61	0	1,085
OU2MW-07S	3.0 - 8.0	0	0	0	0	0	0	0	0	1	0	0	1
OU2MW-07	15.0 - 25.0	0	2	0	0	4	53	0	0	59	13	0	59
OU2MW-09	30.0 - 40.0	0	0	0	0	0	1	0	0	1	0	0	1
OU2MW-10S	3.0 - 7.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-10I	20.0 - 25.0	76	33	32	36	0	41	529	0	906	121	0	906
OU2MW-10D	35.0 - 40.0	78	0	28	43	0	2	65	0	351	57	0	351
OU2MW-11S	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0	0	0

Table 4-9
Summary of Historic Total BTEX Groundwater Analytical Results - Downgradient of Montauk Highway
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (ug/L)												
		Sampling Date							Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2009				2010								
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep					
OU2MW-11I	20.0 - 25.0	170	132	69	153	48	187	55	13	356	175	13	356
OU2MW-11I2	30.0 - 35.0	98	25	1	66	10	0	0	0	329	84	0	329
OU2MW-11D	40.0 - 45.0	8	5	20	18	26	56	39	0	56	10	0	56
OU2MW-12S	3.0 - 7.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-12I	20.0 - 25.0	107	48	139	96	77	13	35	13	466	112	13	466
OU2MW-12I2	30.0 - 35.0	53	19	7	58	0	2	37	0	58	16	0	58
OU2MW-12D	40.0 - 45.0	0	0	0	0	0	80	73	0	80	13	0	80
OU2MW-13S	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-13I	20.0 - 25.0	13	3	22	0	19	8	3	0	29	9	0	29
OU2MW-13D	35.0 - 40.0	34	13	29	23	9	10	8	0	34	13	0	34
OU2MW-14S	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-14I	20.0 - 25.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-14I2	45.0 - 50.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-15S	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-15I	20.0 - 25.0	0	63	175	3	0	0	73	0	795	87	0	795
OU2MW-15I2	30.0 - 35.0	0	0	0	0	0	0	0	0	599	74	0	599
OU2MW-15D	40.0 - 45.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-16S	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-16I	15.0 - 20.0	0	0	0	0	0	0	0	0	79	7	0	79
OU2MW-16I2	25.0 - 30.0	0	0	84	0	0	0	22	0	84	12	0	84
OU2MW-16D	35.0 - 40.0	0	2	0	0	0	0	0	0	149	12	0	149
OU2MW-52S	3.0 - 8.0	--	0	0	0	0	0	0	0	0	0	0	0
OU2MW-52I	20.0 - 25.0	--	128	0	0	0	0	0	0	128	26	0	128
OU2MW-52D	35.0 - 40.0	--	0	0	0	0	0	0	0	0	0	0	0
OU2MW-53S	3.0 - 8.0	--	0	0	0	0	0	0	0	0	0	0	0
OU2MW-53I	20.0 - 25.0	--	0	0	0	0	0	0	0	0	0	0	0
OU2MW-53D	35.0 - 40.0	--	0	0	0	2	0	0	0	2	0	0	2

Notes for groundwater tables are compiled at the end of the Tables in this section.

Table 4-10
Summary of Historic Total PAH Groundwater Analytical Results - Downgradient of Montauk Highway
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (ug/L)							
		Sampling Date							
		1992	1999		2000	2002			2003
		Sep	Sep	Oct/Nov	Nov/Dec	Jan/Feb	Apr/May	Nov/Dec	Feb-Apr
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
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
BBMW-25I	25.0 - 35.0	--	--	--	--	--	7,436	10,185	4,900
BBMW-25D	62.0 - 72.0	--	--	--	--	--	1,553	--	280
GM-05S	5.1 - 20.1	649	2,453	1,181	505	88	1,286	237	858
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
GMP-02	18.0 - 23.0	--	--	--	2,764	4,216	3,447	6,788	3,300
GMP-04	15.5 - 20.5	--	--	--	290	1,135	287	113	0
OU2IW-01S	3.0 - 8.0	--	--	--	--	--	--	--	--
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-06S	3.0 - 8.0	--	--	--	--	--	--	--	--
OU2MW-06	15.0 - 25.0	--	--	--	--	--	--	--	--
OU2MW-07S	3.0 - 8.0	--	--	--	--	--	--	--	--
OU2MW-07	15.0 - 25.0	--	--	--	--	--	--	--	--
OU2MW-09	30.0 - 40.0	--	--	--	--	--	--	--	--
OU2MW-10S	3.0 - 7.0	--	--	--	--	--	--	--	--
OU2MW-10I	20.0 - 25.0	--	--	--	--	--	--	--	--
OU2MW-10D	35.0 - 40.0	--	--	--	--	--	--	--	--
OU2MW-11S	3.0 - 8.0	--	--	--	--	--	--	--	--

Table 4-10
Summary of Historic Total PAH Groundwater Analytical Results - Downgradient of Montauk Highway
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (ug/L)							
		Sampling Date							
		1992	1999		2000	2002			2003
		Sep	Sep	Oct/Nov	Nov/Dec	Jan/Feb	Apr/May	Nov/Dec	Feb-Apr
OU2MW-11I	20.0 - 25.0	--	--	--	--	--	--	--	--
OU2MW-11I2	30.0 - 35.0	--	--	--	--	--	--	--	--
OU2MW-11D	40.0 - 45.0	--	--	--	--	--	--	--	--
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-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	--	--	--	--	--	--	--	--
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 4-10
Summary of Historic Total PAH Groundwater Analytical Results - Downgradient of Montauk Highway
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (ug/L)							
		Sampling Date							
		2003		2004				2005	
		Jul/Aug	Sep/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	Jun
BBMW-03S	3.0 - 13.0	--	--	--	--	0	0	--	--
BBMW-03I	30.0 - 40.0	--	--	--	--	0	0	--	--
BBMW-03D	52.0 - 62.0	--	--	--	--	--	186	--	--
BBMW-07S	5.0 - 15.0	170	62	24	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	14	0	--
BBMW-25I	25.0 - 35.0	4,700	--	4,860	7,761	7,840	3,902	4,937	--
BBMW-25D	62.0 - 72.0	1,550	298	135	144	101	588	223	--
GM-05S	5.1 - 20.1	230	--	0	0	635	0	312	0
GM-05I	35.05 - 48.05	--	--	--	--	51	0	--	--
GM-05D	60.95 - 75.95	--	--	--	--	28	--	--	--
GMP-01	25.0 - 30.0	270	1,001	421	1,281	266	6,514	2,595	1,241
GMP-02	18.0 - 23.0	4,000	7,010	3,772	6,967	5,213	5,460	3,008	3,459
GMP-04	15.5 - 20.5	430	44	459	206	235	1,372	601	77
OU2IW-01S	3.0 - 8.0	--	--	--	--	--	--	--	--
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-06S	3.0 - 8.0	--	--	--	--	--	--	--	--
OU2MW-06	15.0 - 25.0	--	--	--	--	--	--	--	--
OU2MW-07S	3.0 - 8.0	--	--	--	--	--	--	--	--
OU2MW-07	15.0 - 25.0	--	--	--	--	--	--	--	--
OU2MW-09	30.0 - 40.0	--	--	--	--	--	--	--	--
OU2MW-10S	3.0 - 7.0	--	--	--	--	--	--	--	--
OU2MW-10I	20.0 - 25.0	--	--	--	--	--	--	--	--
OU2MW-10D	35.0 - 40.0	--	--	--	--	--	--	--	--
OU2MW-11S	3.0 - 8.0	--	--	--	--	--	--	--	--

Table 4-10
Summary of Historic Total PAH Groundwater Analytical Results - Downgradient of Montauk Highway
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (ug/L)							
		Sampling Date							
		2003		2004				2005	
		Jul/Aug	Sep/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	Jun
OU2MW-11I	20.0 - 25.0	--	--	--	--	--	--	--	--
OU2MW-11I2	30.0 - 35.0	--	--	--	--	--	--	--	--
OU2MW-11D	40.0 - 45.0	--	--	--	--	--	--	--	--
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-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	--	--	--	--	--	--	--	--
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 4-10
Summary of Historic Total PAH Groundwater Analytical Results - Downgradient of Montauk Highway
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (ug/L)							
		Sampling Date							
		2005		2006				2007	
		Aug	Nov/Dec	Mar	Jun	Jul/Aug	Nov/Dec	Mar	May-July
BBMW-03S	3.0 - 13.0	0	--	0	0	0	0	283	0
BBMW-03I	30.0 - 40.0	0	--	0	0	0	0	0	0
BBMW-03D	52.0 - 62.0	0	--	0	0	0	0	0	0
BBMW-07S	5.0 - 15.0	--	0	0	0	0	0	0	0
BBMW-07I	30.0 - 40.0	--	--	--	--	--	--	--	0
BBMW-07D	55.0 - 65.0	--	--	--	--	--	--	873	0
BBMW-25S	4.0 - 14.0	0	0	0	0	0	0	0	0
BBMW-25I	25.0 - 35.0	3,621	5,472	1,560	0	37	488	11	102
BBMW-25D	62.0 - 72.0	390	--	308	179	160	384	0	0
GM-05S	5.1 - 20.1	366	0	34	0	0	0	0	--
GM-05I	35.05 - 48.05	--	--	0	--	--	--	0	0
GM-05D	60.95 - 75.95	--	--	0	--	--	--	0	0
GMP-01	25.0 - 30.0	6,419	10,183	9,385	9,261	5,555	3,936	4,019	--
GMP-02	18.0 - 23.0	8,837	151	0	0	10	11	0	0
GMP-04	15.5 - 20.5	369	1,720	41	22	573	232	1,380	52
OU2IW-01S	3.0 - 8.0	--	--	--	--	--	--	--	--
OU2MW-01WT	3.0 - 8.0	--	--	--	--	--	--	--	70
OU2MW-01S	20.0 - 25.0	6,927	--	464	457	1,230	104	321	67
OU2MW-01I	35.0 - 40.0	5,507	--	8,222	3,717	879	495	120	442
OU2MW-01I2	50.0 - 55.0	58	--	1,249	0	0	100	0	488
OU2MW-01D	65.0 - 70.0	0	--	0	0	0	0	0	0
OU2MW-02S	20.0 - 25.0	162	--	311	209	164	424	0	154
OU2MW-02I	35.0 - 40.0	2,541	--	3,413	3,609	5,251	3,012	1,943	3,567
OU2MW-02I2	50.0 - 55.0	22	--	11	0	0	0	0	16
OU2MW-02D	65.0 - 70.0	15	--	0	0	0	0	0	0
OU2MW-03S	20.0 - 25.0	401	--	339	353	181	379	0	317
OU2MW-03I	35.0 - 40.0	67	--	0	0	0	49	0	0
OU2MW-03I2	50.0 - 55.0	0	--	36	16	0	0	0	144
OU2MW-03D	65.0 - 70.0	0	--	0	0	0	0	0	0
OU2MW-04WT	3.0 - 8.0	--	--	--	--	--	--	--	0
OU2MW-04S	20.0 - 25.0	4,034	--	12,611	7,351	10,538	2,774	6,802	8,445
OU2MW-04I	35.0 - 40.0	5,444	--	6,438	3,795	1,107	0	0	332
OU2MW-04I2	50.0 - 55.0	375	--	115	101	57	78	0	19
OU2MW-04D	65.0 - 70.0	0	--	0	0	0	0	0	0
OU2MW-05	25.0 - 35.0	4,711	--	8,049	5,125	4,314	4,149	1,980	2,164
OU2MW-06S	3.0 - 8.0	--	--	--	--	--	--	--	0
OU2MW-06	15.0 - 25.0	9,241	--	19	0	0	0	0	0
OU2MW-07S	3.0 - 8.0	--	--	--	--	--	--	--	0
OU2MW-07	15.0 - 25.0	66	--	69	0	0	0	0	0
OU2MW-09	30.0 - 40.0	0	--	0	0	0	0	0	0
OU2MW-10S	3.0 - 7.0	--	--	--	--	--	--	--	0
OU2MW-10I	20.0 - 25.0	--	--	--	--	--	--	--	4
OU2MW-10D	35.0 - 40.0	--	--	--	--	--	--	--	0
OU2MW-11S	3.0 - 8.0	--	--	--	--	--	--	--	0

Table 4-10
Summary of Historic Total PAH Groundwater Analytical Results - Downgradient of Montauk Highway
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (ug/L)							
		Sampling Date							
		2005		2006				2007	
		Aug	Nov/Dec	Mar	Jun	Jul/Aug	Nov/Dec	Mar	May-July
OU2MW-11I	20.0 - 25.0	--	--	--	--	--	--	--	1,077
OU2MW-11I2	30.0 - 35.0	--	--	--	--	--	--	--	426
OU2MW-11D	40.0 - 45.0	--	--	--	--	--	--	--	8
OU2MW-12S	3.0 - 7.0	--	--	--	--	--	--	--	1
OU2MW-12I	20.0 - 25.0	--	--	--	--	--	--	--	1,646
OU2MW-12I2	30.0 - 35.0	--	--	--	--	--	--	--	224
OU2MW-12D	40.0 - 45.0	--	--	--	--	--	--	--	108
OU2MW-13S	3.0 - 8.0	--	--	--	--	--	--	--	0
OU2MW-13I	20.0 - 25.0	--	--	--	--	--	--	--	33
OU2MW-13D	35.0 - 40.0	--	--	--	--	--	--	--	13
OU2MW-14S	3.0 - 8.0	--	--	--	--	--	--	--	0
OU2MW-14I	20.0 - 25.0	--	--	--	--	--	--	--	--
OU2MW-14I2	45.0 - 50.0	--	--	--	--	--	--	--	--
OU2MW-15S	3.0 - 8.0	--	--	--	--	--	--	--	0
OU2MW-15I	20.0 - 25.0	--	--	--	--	--	--	--	261
OU2MW-15I2	30.0 - 35.0	--	--	--	--	--	--	--	0
OU2MW-15D	40.0 - 45.0	--	--	--	--	--	--	--	0
OU2MW-16S	3.0 - 8.0	--	--	--	--	--	--	--	0
OU2MW-16I	15.0 - 20.0	--	--	--	--	--	--	--	22
OU2MW-16I2	25.0 - 30.0	--	--	--	--	--	--	--	4
OU2MW-16D	35.0 - 40.0	--	--	--	--	--	--	--	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 4-10
Summary of Historic Total PAH Groundwater Analytical Results - Downgradient of Montauk Highway
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (ug/L)							
		Sampling Date							
		2007		2008				2009	
		Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	July-Sep	Oct-Dec	Jan-Mar	Apr-Jun
BBMW-03S	3.0 - 13.0	0	0	0	0	1	0	0	0
BBMW-03I	30.0 - 40.0	0	0	0	0	0	0	0	0
BBMW-03D	52.0 - 62.0	0	0	7	0	0	0	0	0
BBMW-07S	5.0 - 15.0	3	0	0	0	0	0	0	0
BBMW-07I	30.0 - 40.0	--	0	0	0	0	0	0	0
BBMW-07D	55.0 - 65.0	--	0	2	0	0	0	0	0
BBMW-25S	4.0 - 14.0	10	0	0	0	0	0	0	0
BBMW-25I	25.0 - 35.0	457	2	181	48	86	478	741	1,219
BBMW-25D	62.0 - 72.0	3	1	0	0	59	0	0	0
GM-05S	5.1 - 20.1	0	13	25	30	7	35	5	19
GM-05I	35.05 - 48.05	7	0	0	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	159	4,428	3,967	2,020	778	275	719	1,049
GMP-02	18.0 - 23.0	0	0	0	0	0	0	0	0
GMP-04	15.5 - 20.5	1,523	1,467	1	0	0	0	0	0
OU2IW-01S	3.0 - 8.0	0	0	48	0	0	0	0	0
OU2MW-01WT	3.0 - 8.0	0	0	0	0	0	0	0	0
OU2MW-01S	20.0 - 25.0	2,023	2,000	48	0	0	0	0	1,487
OU2MW-01I	35.0 - 40.0	90	2,222	15	0	25	4	0	702
OU2MW-01I2	50.0 - 55.0	7	4	0	0	0	0	0	0
OU2MW-01D	65.0 - 70.0	0	0	0	0	0	0	0	0
OU2MW-02S	20.0 - 25.0	155	27	57	96	46	8	33	146
OU2MW-02I	35.0 - 40.0	1,835	2,947	3,129	43	2,981	151	2,129	1,993
OU2MW-02I2	50.0 - 55.0	0	11	30	1	12	0	6	0
OU2MW-02D	65.0 - 70.0	17	0	0	0	0	0	0	0
OU2MW-03S	20.0 - 25.0	201	49	87	61	79	85	80	157
OU2MW-03I	35.0 - 40.0	0	0	0	7	0	95	146	0
OU2MW-03I2	50.0 - 55.0	4	1	0	0	0	0	0	0
OU2MW-03D	65.0 - 70.0	0	6	3	0	0	0	0	0
OU2MW-04WT	3.0 - 8.0	0	0	0	0	0	0	0	0
OU2MW-04S	20.0 - 25.0	3,794	4,145	2,666	2,936	3,901	334	641	3,565
OU2MW-04I	35.0 - 40.0	3,260	547	4,051	0	36	0	98	2
OU2MW-04I2	50.0 - 55.0	16	2	0	23	0	0	0	1,340
OU2MW-04D	65.0 - 70.0	0	0	0	0	0	0	0	0
OU2MW-05	25.0 - 35.0	247	3,412	491	516	50	456	353	376
OU2MW-06S	3.0 - 8.0	10	0	0	0	6	0	0	0
OU2MW-06	15.0 - 25.0	0	3	6	0	0	0	0	0
OU2MW-07S	3.0 - 8.0	0	7	0	0	0	0	0	0
OU2MW-07	15.0 - 25.0	0	37	0	0	0	0	0	0
OU2MW-09	30.0 - 40.0	0	0	0	0	0	0	11	0
OU2MW-10S	3.0 - 7.0	0	0	0	5	0	0	0	0
OU2MW-10I	20.0 - 25.0	0	297	201	1	0	2	29	22
OU2MW-10D	35.0 - 40.0	0	0	0	413	32	727	0	1
OU2MW-11S	3.0 - 8.0	0	0	2	0	0	4	0	0

Table 4-10
Summary of Historic Total PAH Groundwater Analytical Results - Downgradient of Montauk Highway
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (ug/L)							
		Sampling Date							
		2007		2008				2009	
		Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	July-Sep	Oct-Dec	Jan-Mar	Apr-Jun
OU2MW-11I	20.0 - 25.0	112	3,627	865	1,977	1,030	663	1,323	428
OU2MW-11I2	30.0 - 35.0	2,412	52	0	0	275	264	1,011	131
OU2MW-11D	40.0 - 45.0	7	5	0	0	0	0	9	0
OU2MW-12S	3.0 - 7.0	0	0	0	0	0	0	0	0
OU2MW-12I	20.0 - 25.0	888	147	268	137	122	79	513	53
OU2MW-12I2	30.0 - 35.0	3	7	30	5	0	0	720	39
OU2MW-12D	40.0 - 45.0	79	39	44	35	0	0	2	0
OU2MW-13S	3.0 - 8.0	0	0	0	0	0	0	0	0
OU2MW-13I	20.0 - 25.0	12	10	1	7	1	15	8	6
OU2MW-13D	35.0 - 40.0	15	2	1	4	2	0	21	18
OU2MW-14S	3.0 - 8.0	0	0	0	0	0	0	0	0
OU2MW-14I	20.0 - 25.0	--	--	2	0	0	0	0	0
OU2MW-14I2	45.0 - 50.0	--	--	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	86	8	34	0	0	0	0	1
OU2MW-15I2	30.0 - 35.0	320	76	0	0	0	0	0	0
OU2MW-15D	40.0 - 45.0	0	0	0	0	0	2	0	0
OU2MW-16S	3.0 - 8.0	0	0	0	0	0	0	0	0
OU2MW-16I	15.0 - 20.0	5	0	0	0	0	0	0	0
OU2MW-16I2	25.0 - 30.0	12	16	1	0	0	0	0	0
OU2MW-16D	35.0 - 40.0	0	0	102	0	0	0	0	0
OU2MW-52S	3.0 - 8.0	--	--	--	--	--	--	--	0
OU2MW-52I	20.0 - 25.0	--	--	--	--	--	--	--	101
OU2MW-52D	35.0 - 40.0	--	--	--	--	--	--	--	0
OU2MW-53S	3.0 - 8.0	--	--	--	--	--	--	--	0
OU2MW-53I	20.0 - 25.0	--	--	--	--	--	--	--	0
OU2MW-53D	35.0 - 40.0	--	--	--	--	--	--	--	0

Table 4-10
Summary of Historic Total PAH Groundwater Analytical Results - Downgradient of Montauk Highway
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (ug/L)									
		Sampling Date					Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2009		2010							
		July-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep					
BBMW-03S	3.0 - 13.0	0	0	0	0	0	0	283	12	0	283
BBMW-03I	30.0 - 40.0	0	0	0	0	0	0	2	0	0	2
BBMW-03D	52.0 - 62.0	0	0	0	25	2	0	186	9	0	186
BBMW-07S	5.0 - 15.0	0	0	0	0	0	0	710	33	0	710
BBMW-07I	30.0 - 40.0	0	0	0	0	0	0	0	0	0	0
BBMW-07D	55.0 - 65.0	0	0	0	0	0	0	873	58	0	873
BBMW-25S	4.0 - 14.0	0	0	0	0	0	0	22	2	0	22
BBMW-25I	25.0 - 35.0	105	11	3	0	0	0	10,185	2,453	0	10,185
BBMW-25D	62.0 - 72.0	0	0	0	8	0	0	1,553	227	0	1,553
GM-05S	5.1 - 20.1	9	19	2	0	25	0	2,453	265	0	2,453
GM-05I	35.05 - 48.05	0	0	0	0	0	0	51	3	0	51
GM-05D	60.95 - 75.95	0	0	0	0	0	0	28	1	0	28
GMP-01	25.0 - 30.0	651	175	1,916	1,228	921	159	10,183	2,688	159	10,183
GMP-02	18.0 - 23.0	0	0	0	0	0	0	8,837	2,073	0	8,837
GMP-04	15.5 - 20.5	0	0	0	0	0	0	1,720	383	0	1,720
OU2IW-01S	3.0 - 8.0	0	0	0	0	0	0	48	4	0	48
OU2MW-01WT	3.0 - 8.0	0	0	0	0	0	0	70	5	0	70
OU2MW-01S	20.0 - 25.0	1,953	0	0	0	0	0	6,927	899	0	6,927
OU2MW-01I	35.0 - 40.0	109	0	0	0	0	0	8,222	1,187	0	8,222
OU2MW-01I2	50.0 - 55.0	0	0	0	364	0	0	1,249	119	0	1,249
OU2MW-01D	65.0 - 70.0	0	0	0	0	135	0	0	0	0	135
OU2MW-02S	20.0 - 25.0	44	0	0	6	0	0	424	107	0	424
OU2MW-02I	35.0 - 40.0	2,385	748	2,515	1,278	1,232	43	5,251	2,393	43	5,251
OU2MW-02I2	50.0 - 55.0	0	0	0	0	0	0	30	6	0	30
OU2MW-02D	65.0 - 70.0	4	0	0	0	0	0	17	2	0	17
OU2MW-03S	20.0 - 25.0	118	142	71	20	16	0	401	164	0	401
OU2MW-03I	35.0 - 40.0	0	6	56	61	0	0	146	26	0	146
OU2MW-03I2	50.0 - 55.0	0	1	0	0	0	0	144	11	0	144
OU2MW-03D	65.0 - 70.0	0	0	0	0	0	0	6	0	0	6
OU2MW-04WT	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0
OU2MW-04S	20.0 - 25.0	3,770	3,393	4,529	352	152	334	12,611	4,557	152	12,611
OU2MW-04I	35.0 - 40.0	0	10	241	0	0	0	6,438	1,335	0	6,438
OU2MW-04I2	50.0 - 55.0	0	4	536	14	0	0	1,340	141	0	1,340
OU2MW-04D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0
OU2MW-05	25.0 - 35.0	735	19	288	484	335	19	8,049	1,996	19	8,049
OU2MW-06S	3.0 - 8.0	0	0	0	0	0	0	10	1	0	10
OU2MW-06	15.0 - 25.0	0	0	0	0	0	0	9,241	488	0	9,241
OU2MW-07S	3.0 - 8.0	0	0	0	0	0	0	7	1	0	7
OU2MW-07	15.0 - 25.0	0	0	0	0	0	0	69	9	0	69
OU2MW-09	30.0 - 40.0	0	0	0	0	0	0	11	1	0	11
OU2MW-10S	3.0 - 7.0	0	0	0	0	0	0	5	0	0	5
OU2MW-10I	20.0 - 25.0	3	54	12	37	149	0	297	51	0	297
OU2MW-10D	35.0 - 40.0	49	5	0	0	23	0	727	94	0	727
OU2MW-11S	3.0 - 8.0	0	0	0	0	0	0	4	0	0	4

Table 4-10
Summary of Historic Total PAH Groundwater Analytical Results - Downgradient of Montauk Highway
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (ug/L)									
		Sampling Date					Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2009		2010							
		July-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep					
OU2MW-11I	20.0 - 25.0	46	1,141	220	26	125	26	3,627	964	26	3,627
OU2MW-11I2	30.0 - 35.0	9	193	6	0	1	0	2,412	368	0	2,412
OU2MW-11D	40.0 - 45.0	54	69	40	77	63	0	77	21	0	77
OU2MW-12S	3.0 - 7.0	0	0	0	0	0	0	1	0	0	1
OU2MW-12I	20.0 - 25.0	123	7	851	8	11	7	1,646	372	7	1,646
OU2MW-12I2	30.0 - 35.0	15	3	2	2	58	0	720	81	0	720
OU2MW-12D	40.0 - 45.0	0	0	0	992	197	0	992	100	0	992
OU2MW-13S	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0
OU2MW-13I	20.0 - 25.0	7	0	15	36	41	0	36	12	0	41
OU2MW-13D	35.0 - 40.0	31	24	21	15	15	0	31	13	0	31
OU2MW-14S	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0
OU2MW-14I	20.0 - 25.0	0	0	0	0	0	0	2	0	0	2
OU2MW-14I2	45.0 - 50.0	0	0	0	0	0	0	0	0	0	0
OU2MW-15S	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0
OU2MW-15I	20.0 - 25.0	219	24	0	0	33	0	261	49	0	261
OU2MW-15I2	30.0 - 35.0	0	0	0	0	0	0	320	30	0	320
OU2MW-15D	40.0 - 45.0	0	0	0	0	0	0	2	0	0	2
OU2MW-16S	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0
OU2MW-16I	15.0 - 20.0	0	0	0	0	0	0	22	2	0	22
OU2MW-16I2	25.0 - 30.0	0	0	0	0	26	0	16	3	0	26
OU2MW-16D	35.0 - 40.0	0	0	0	0	0	0	102	8	0	102
OU2MW-52S	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0
OU2MW-52I	20.0 - 25.0	0	0	25	0	0	0	101	25	0	101
OU2MW-52D	35.0 - 40.0	0	0	0	0	0	0	0	0	0	0
OU2MW-53S	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0
OU2MW-53I	20.0 - 25.0	0	0	0	0	0	0	0	0	0	0
OU2MW-53D	35.0 - 40.0	0	0	0	0	0	0	0	0	0	0

Notes for groundwater tables are compiled at the end of the Tables in this section.

Table 4-11
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
Sample Name:	NYS	BBMW-01S	BBMW-01I	BBMW-01D	BBMW-02S	BBMW-02I	BBMW-02D	BBMW-03S	BBMW-03I	BBMW-03D	BBMW-07S	BBMW-07I	BBMW-07D	DUP-19 Q3	BBMW-15S
Screened Interval:	AWQS	5-15 ft	32-42 ft	68.5-78.5	5-15 ft	30-40 ft	73-83 ft	3-13 ft	30-40 ft	52-62 ft	5-15 ft	30-40 ft	55-65 ft	55-65 ft	5-15 ft
Sample Date:		9/1/2010	9/1/2010	9/1/2010	7/14/2010	7/14/2010	7/15/2010	9/7/2010	9/7/2010	9/7/2010	9/14/2010	9/14/2010	9/14/2010	9/14/2010	7/14/2010
Parent Sample:														BBMW-07D	
BTEX (ug/L)															
Benzene	1	10 U	10 U	**2 J**	10 U	10 U	R	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	5	10 U	10 U	**3 J**	10 U	10 U	10 U	10 U	10 U	**1 J**	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	5	**2 J**	10 U	**29**	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	**23**	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	**2 J**	10 U	**15**	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	**4**	ND	**72**	ND	ND	ND	ND	ND	**1**	ND	ND	ND	ND	ND
Other VOCs (ug/L)															
Acetaldehyde	8	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ
Acetone	50	**2 J**	**2 J**	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Allyl chloride	5	10 U	10 U	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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	10 U	10 U	10 U
Bromoform	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	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Butadiene, 1,3-	NE	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ
Butanone, 2-	50	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 U	10 U
Carbon disulfide	60	10 U	10 U	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ
Carbon tetrachloride	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
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	10 U	10 U	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	**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
Chloromethane	5	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 U	10 U
Chlorotoluene	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
Cryofluorane	NE	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ
Cyclohexane	NE	10 U	10 U	10 U	10 UJ	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
Dibromoethane, 1,2-	0.0006	10 U	10 U	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, 1,3-	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 U	10 U	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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 U	10 U	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 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloropropene, cis-1,3	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
Dichloropropene, trans-1,3	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
Dioxane, 1,4-	NE	500 U	500 U	500 U	R	R	R	500 U	500 U	500 U	500 U	500 U	500 U	500 U	R
Ethanol	NE	500 U	500 U	500 U	R	R	R	500 U	500 U	500 U	500 U	500 U	500 U	500 U	R
Heptane, n-	NE	10 U	10 U	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ
Hexachlorobutadiene	0.5	10 U	10 U	10 U	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 U	10 U	10 U
Hexanone, 2-	50	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 U	10 U
Isopropyl benzene	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
Methyl tert-butyl ether	10	10 U	**5 J**	10 U	10 U	10 U	**1 J**	10 U	**86**	10 U	10 U	10 U	10 U	10 U	10 U
Methyl-2-pentanone, 4-	NE	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 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
Naphthalene	10	**9 J**	**420 D**	**320 D**	10 UJ	10 UJ	**2 J**	10 U	10 U	**5 J**	10 U	10 U	10 U	10 U	10 UJ
Propanol, 2-	NE	500 U	500 U	500 U	R	R	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	R
Propylbenzene, n-	5	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	10 U
Styrene	5	10 U	10 U	**17**	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	10 U	10 U
Tetrachloroethane,1,1,2,2-	5	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 U	10 U
Tetrachloroethene	5	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
Tetrahydrofuran	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
Trans-1,2-dichloroethene	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
Trichloro-1,2,2-trifluoroethane, 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	10 U	10 U

Table 4-11
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
Sample Name:	NYS	BBMW-01S	BBMW-01I	BBMW-01D	BBMW-02S	BBMW-02I	BBMW-02D	BBMW-03S	BBMW-03I	BBMW-03D	BBMW-07S	BBMW-07I	BBMW-07D	DUP-19 Q3	BBMW-15S
Screened Interval:	AWQS	5-15 ft	32-42 ft	68.5-78.5	5-15 ft	30-40 ft	73-83 ft	3-13 ft	30-40 ft	52-62 ft	5-15 ft	30-40 ft	55-65 ft	55-65 ft	5-15 ft
Sample Date:		9/1/2010	9/1/2010	9/1/2010	7/14/2010	7/14/2010	7/15/2010	9/7/2010	9/7/2010	9/7/2010	9/14/2010	9/14/2010	9/14/2010	9/14/2010	7/14/2010
Parent Sample:														BBMW-07D	
Trichlorobenzene, 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
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
Trichloroethane, 1,1,2-	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
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
Trichlorofluoromethane	5	10 U	10 U	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ
Trimethylbenzene 1,3,5-/P-ethyltoluene	5	10 U	**24**	**3 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene, 1,2,4-	5	**25**	**41**	**10**	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 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ
Vinyl acetate	NE	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 U	10 U
Vinyl chloride	2	10 U	10 U	10 U	10 U	10 U	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	**13**	**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
Acenaphthylene	NE	**3 J**	**49**	**3 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50	**3 J**	**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[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	**9 J**	**13**	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	**87 D**	**2 J**	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	**260 D**	**130 D**	10 U	10 U	10 U	10 U	10 U	**2 J**	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50	**16**	**17**	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
Total Noncarcinogenic PAHs	NE	**44**	**431**	**135**	ND	ND	ND	ND	ND	**2**	ND	ND	ND	ND	ND
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 Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)															
Total PAHs	NE	**44**	**431**	**135**	ND	ND	ND	ND	ND	**2**	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
Antimony	3	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
Barium	1000	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
Cadmium	5	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
Chromium	50	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
Copper	200	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
Lead	25	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
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	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
Potassium	NE	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
Silver	50	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
Thallium	0.5	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
Zinc	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-11
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
Sample Name:	NYS	BBMW-01S	BBMW-01I	BBMW-01D	BBMW-02S	BBMW-02I	BBMW-02D	BBMW-03S	BBMW-03I	BBMW-03D	BBMW-07S	BBMW-07I	BBMW-07D	DUP-19 Q3	BBMW-15S
Screened Interval:	AWQS	5-15 ft	32-42 ft	68.5-78.5	5-15 ft	30-40 ft	73-83 ft	3-13 ft	30-40 ft	52-62 ft	5-15 ft	30-40 ft	55-65 ft	55-65 ft	5-15 ft
Sample Date:		9/1/2010	9/1/2010	9/1/2010	7/14/2010	7/14/2010	7/15/2010	9/7/2010	9/7/2010	9/7/2010	9/14/2010	9/14/2010	9/14/2010	9/14/2010	7/14/2010
Parent Sample:														BBMW-07D	
Other (ug/L)															
Alkalinity	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Total	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Total Kjeldahl	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (cfu/mL)															
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-11
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
Sample Name:	NYS	BBMW-15I	BBMW-15I2	BBMW-15D	BBMW-16S	BBMW-16I	BBMW-16D	BBMW-23S	BBMW-23D2	BBMW-23I	BBMW-23D	BBMW-24S	BBMW-24I	BBMW-24D	BBMW-25S
Screened Interval:	AWQS	23-28 ft	35-45 ft	70-80 ft	5-15 ft	35-45 ft	68-78 ft	5-15 ft	63-73 ft	33-43 ft	49.5-59.5 ft	4-14 ft	32-42 ft	59.5-69.5 ft	4-14 ft
Sample Date:		7/14/2010	7/14/2010	7/14/2010	9/9/2010	9/9/2010	9/13/2010	9/2/2010	9/2/2010	9/2/2010	9/2/2010	8/18/2010	8/19/2010	8/19/2010	8/25/2010
Parent Sample:															
BTEX (ug/L)															
Benzene	1	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
Toluene	5	10 U	10 U	10 U	10 U	10 U	10 U	**12**	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	**3500 D**	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	**2200 D**	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	**500 D**	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total BTEX	NE	ND	ND	ND	ND	ND	ND	**6213**	ND	ND	ND	ND	ND	ND	ND
Other VOCs (ug/L)															
Acetaldehyde	8	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
Acetone	50	10 U	10 U	10 U	10 U	10 U	10 U	**4 J**	10 U	10 U	10 U	10 U	**1 J**	**6 J**	10 U
Allyl chloride	5	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
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
Bromoform	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	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Butadiene, 1,3-	NE	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
Butanone, 2-	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
Carbon disulfide	60	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
Carbon tetrachloride	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
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	10 U	10 U	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	**1 J**	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
Chlorotoluene	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
Cryofluorane	NE	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
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
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
Dibromoethane, 1,2-	0.0006	10 U	10 U	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, 1,3-	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 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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	**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
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
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 U	10 U	10 U
Dichloropropene, cis-1,3	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
Dichloropropene, trans-1,3	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
Dioxane, 1,4-	NE	R	R	R	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U
Ethanol	NE	R	R	R	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U
Heptane, n-	NE	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
Hexachlorobutadiene	0.5	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
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
Hexanone, 2-	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
Isopropyl benzene	5	10 U	10 U	10 U	10 U	10 U	10 U	**140**	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl tert-butyl ether	10	10 U	10 U	**8**	10 U	10 U	10 U	10 U	10 U	**7 J**	**47**	10 U	**2 J**	10 U	10 U
Methyl-2-pentanone, 4-	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
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 UJ	10 UJ	10 UJ	10 U	10 U	10 U	**820 D**	10 U	10 U	**11**	10 U	10 U	**19**	10 U
Propanol, 2-	NE	R	R	R	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U
Propylbenzene, n-	5	10 U	10 U	10 U	10 U	10 U	10 U	**53**	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
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	10 U	10 U
Tetrachloroethane,1,1,2,2-	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
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 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trans-1,2-dichloroethene	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
Trichloro-1,2,2-trifluoroethane, 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	10 U	10 U

Table 4-11
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:	NYS AWQS	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2
Sample Name:		BBMW-15I	BBMW-15I2	BBMW-15D	BBMW-16S	BBMW-16I	BBMW-16D	BBMW-23S	BBMW-23D2	BBMW-23I	BBMW-23D	BBMW-24S	BBMW-24I	BBMW-24D	BBMW-25S
Screened Interval:		23-28 ft	35-45 ft	70-80 ft	5-15 ft	35-45 ft	68-78 ft	5-15 ft	63-73 ft	33-43 ft	49.5-59.5 ft	4-14 ft	32-42 ft	59.5-69.5 ft	4-14 ft
Sample Date:		7/14/2010	7/14/2010	7/14/2010	9/9/2010	9/9/2010	9/13/2010	9/2/2010	9/2/2010	9/2/2010	9/2/2010	8/18/2010	8/19/2010	8/19/2010	8/25/2010
Parent Sample:															
Trichlorobenzene, 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
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
Trichloroethane, 1,1,2-	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
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
Trichlorofluoromethane	5	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
Trimethylbenzene 1,3,5-/P-ethyltoluene	5	10 U	10 U	10 U	10 U	10 U	10 U	**300**	10 U	10 U	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	**420 D**	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	**2 J**	10 U	10 U	10 U	10 U	10 U
Vinyl acetate	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
Vinyl chloride	2	10 U	10 U	10 U	10 U	10 U	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	**21**	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	**7 J**	10 U
Anthracene	50	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
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	**4 J**	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	**11**	10 U	10 U	10 U	10 U	10 U	**3 J**	10 U
Methylnaphthalene, 2-	NE	10 U	10 U	10 U	10 U	10 U	10 U	**56**	10 U	10 U	**2 J**	10 U	10 U	**2 J**	10 U
Naphthalene	10	10 U	10 U	10 U	10 U	10 U	10 U	**830 D**	**1 J**	10 U	**13**	10 U	10 U	**12**	10 U
Phenanthrene	50	10 U	10 U	10 U	10 U	10 U	10 U	**18**	10 U	10 U	10 U	10 U	10 U	**2 J**	10 U
Pyrene	50	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
Total Noncarcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	**948**	**1**	ND	**15**	ND	ND	**26**	ND
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 Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)															
Total PAHs	NE	ND	ND	ND	ND	ND	ND	**948**	**1**	ND	**15**	ND	ND	**26**	ND
Total Metals (ug/L)															
Aluminum	NE	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
Arsenic	25	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
Beryllium	3	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
Calcium	NE	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
Cobalt	NE	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
Iron	300	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
Magnesium	35000	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
Mercury	0.7	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
Potassium	NE	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
Silver	50	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
Thallium	0.5	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
Zinc	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-11
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
Sample Name:	NYS	BBMW-15I	BBMW-15I2	BBMW-15D	BBMW-16S	BBMW-16I	BBMW-16D	BBMW-23S	BBMW-23D2	BBMW-23I	BBMW-23D	BBMW-24S	BBMW-24I	BBMW-24D	BBMW-25S
Screened Interval:	AWQS	23-28 ft	35-45 ft	70-80 ft	5-15 ft	35-45 ft	68-78 ft	5-15 ft	63-73 ft	33-43 ft	49.5-59.5 ft	4-14 ft	32-42 ft	59.5-69.5 ft	4-14 ft
Sample Date:		7/14/2010	7/14/2010	7/14/2010	9/9/2010	9/9/2010	9/13/2010	9/2/2010	9/2/2010	9/2/2010	9/2/2010	8/18/2010	8/19/2010	8/19/2010	8/25/2010
Parent Sample:															
Other (ug/L)															
Alkalinity	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Total	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Total Kjeldahl	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (cfu/mL)															
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-11
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
Sample Name:	NYS	BBMW-25I	BBMW-25D	GM-05S	GM-05I	GM-05D	GMP-01	GMP-02	GMP-04	OU2IW-01S	OU2MW-01WT	DUP-14 Q3	OU2MW-01S	OU2MW-01I	OU2MW-01I2
Screened Interval:	AWQS	25-35 ft	62-72 ft	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	3-8 ft	3-8 ft	3-8 ft	20-25 ft	35-40 ft	50-55 ft
Sample Date:		8/25/2010	8/27/2010	7/14/2010	7/14/2010	7/14/2010	7/15/2010	7/13/2010	7/16/2010	7/13/2010	8/27/2010	8/27/2010	8/26/2010	8/26/2010	8/26/2010
Parent Sample:												OU2MW-01WT			
BTEX (ug/L)															
Benzene	1	10 U	10 U	**12**	10 U	10 U	**36**	**3 J**	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	**1 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**3 J**
Ethylbenzene	5	10 U	10 U	10 U	10 U	10 U	**22**	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	**14**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**3 J**
Xylene, o-	5	10 U	10 U	**1 J**	10 U	10 U	**20**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**8 J**
Total BTEX	NE	ND	ND	**13**	ND	ND	**93**	**3**	ND	ND	ND	ND	ND	ND	**14**
Other VOCs (ug/L)															
Acetaldehyde	8	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U
Acetone	50	10 U	**2 J**	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 U	**3 J**	**3 J**	10 U	**1 J**	10 U
Allyl chloride	5	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 UJ	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	10 U	10 U
Bromoform	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	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Butadiene, 1,3-	NE	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U
Butanone, 2-	50	10 U	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
Carbon disulfide	60	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U
Carbon tetrachloride	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
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	10 U	10 U	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	**3 J**	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 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U
Chlorotoluene	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
Cryofluorane	NE	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U
Cyclohexane	NE	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	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 U	10 U	10 U	10 U
Dibromoethane, 1,2-	0.0006	10 U	10 U	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, 1,3-	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 U	10 U	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	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	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 U	10 U	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 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloropropene, cis-1,3	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
Dichloropropene, trans-1,3	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
Dioxane, 1,4-	NE	500 U	500 U	R	R	R	R	R	R	R	500 U	500 U	500 U	500 U	500 U
Ethanol	NE	500 U	500 U	R	R	R	R	R	R	R	500 U	500 U	500 U	500 U	500 U
Heptane, n-	NE	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	0.5	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U
Hexane, n-	NE	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexanone, 2-	50	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	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	**7**	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl tert-butyl ether	10	10 U	**2 J**	10 U	10 U	10 U	**23**	10 U	10 U	10 U	10 U	10 U	10 U	**6 J**	**9 J**
Methyl-2-pentanone, 4-	NE	10 U	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
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	**4 J**	10 U	**2 J**	10 UJ	10 UJ	**970**	10 UJ	**3 J**	10 UJ	10 U	10 U	10 U	10 U	**200 D**
Propanol, 2-	NE	500 U	500 U	R	R	R	R	500 U	R	R	500 U	500 U	500 U	500 U	500 U
Propylbenzene, n-	5	10 U	10 U	10 U	10 U	10 U	**11**	10 UJ	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	**3 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**5 J**
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	10 U	10 U
Tetrachloroethane,1,1,2,2-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	5	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
Tetrahydrofuran	50	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
Trans-1,2-dichloroethene	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
Trichloro-1,2,2-trifluoroethane, 1,1,2-	5	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 U	10 U

Table 4-11
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:	NYS AWQS	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2
Sample Name:		BBMW-25I	BBMW-25D	GM-05S	GM-05I	GM-05D	GMP-01	GMP-02	GMP-04	OU2IW-01S	OU2MW-01WT	DUP-14 Q3	OU2MW-01S	OU2MW-01I	OU2MW-01I2
Screened Interval:		25-35 ft	62-72 ft	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	3-8 ft	3-8 ft	3-8 ft	20-25 ft	35-40 ft	50-55 ft
Sample Date:		8/25/2010	8/27/2010	7/14/2010	7/14/2010	7/14/2010	7/15/2010	7/13/2010	7/16/2010	7/13/2010	8/27/2010	8/27/2010	8/26/2010	8/26/2010	8/26/2010
Parent Sample:												OU2MW-01WT			
Trichlorobenzene, 1,2,4-	5	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 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	10 U	10 U	10 U
Trichloroethane, 1,1,2-	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
Trichloroethene	5	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
Trichlorofluoromethane	5	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene 1,3,5-/P-ethyltoluene	5	10 U	10 U	10 U	10 U	10 U	**90**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**3 J**
Trimethylbenzene, 1,2,4-	5	10 U	10 U	**2 J**	10 U	10 U	**110**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**2 J**
Trimethylpentane, 2,2,4-	NE	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U
Vinyl acetate	NE	10 U	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
Vinyl chloride	2	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 U
Non-carcinogenic PAHs (ug/L)															
Acenaphthene	20	10 U	10 U	**9**	10 U	10 U	**13**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	**13**	10 U	10 U	**110**	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	**5**	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	**2 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50	10 U	10 U	**1 J**	10 U	10 U	**26**	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	**61**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10	10 U	10 U	**1 J**	10 U	10 U	**680**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50	10 U	10 U	**1 J**	10 U	10 U	**22 J**	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	**2 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total Noncarcinogenic PAHs	NE	ND	ND	**25**	ND	ND	**921**	ND	ND	ND	ND	ND	ND	ND	ND
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 Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)															
Total PAHs	NE	ND	ND	**25**	ND	ND	**921**	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
Antimony	3	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
Barium	1000	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
Cadmium	5	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
Chromium	50	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
Copper	200	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
Lead	25	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
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	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
Potassium	NE	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
Silver	50	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
Thallium	0.5	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
Zinc	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-11
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
Sample Name:	NYS	BBMW-25I	BBMW-25D	GM-05S	GM-05I	GM-05D	GMP-01	GMP-02	GMP-04	OU2IW-01S	OU2MW-01WT	DUP-14 Q3	OU2MW-01S	OU2MW-01I	OU2MW-01I2
Screened Interval:	AWQS	25-35 ft	62-72 ft	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	3-8 ft	3-8 ft	3-8 ft	20-25 ft	35-40 ft	50-55 ft
Sample Date:		8/25/2010	8/27/2010	7/14/2010	7/14/2010	7/14/2010	7/15/2010	7/13/2010	7/16/2010	7/13/2010	8/27/2010	8/27/2010	8/26/2010	8/26/2010	8/26/2010
Parent Sample:												OU2MW-01WT			
Other (ug/L)															
Alkalinity	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Total	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Total Kjeldahl	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (cfu/mL)															
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-11
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
Sample Name:	NYS	OU2MW-01D	OU2MW-02S	OU2MW-02I	OU2MW-02I2	OU2MW-02D	OU2MW-03S	OU2MW-03I	OU2MW-03I2	OU2MW-03D	OU2MW-04WT	OU2MW-04S	OU2MW-04I	OU2MW-04I2	OU2MW-04D
Screened Interval:	AWQS	65-70 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	3-8 ft	20-25 ft	35-40 ft	50-55 ft	65-70 ft
Sample Date:		8/26/2010	9/8/2010	9/8/2010	9/7/2010	9/7/2010	9/10/2010	9/10/2010	9/10/2010	9/10/2010	9/10/2010	9/10/2010	9/10/2010	9/10/2010	9/10/2010
Parent Sample:															
BTEX (ug/L)															
Benzene	1	10 U	10 U	**8 J**	10 U	10 U	**5 J**	10 U	10 U	10 U	10 U	**16**	**2 J**	**7 J**	10 U
Toluene	5	10 U	10 U	**13**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**2 J**	**3 J**	10 U	10 U
Ethylbenzene	5	10 U	10 U	**6 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**29**	10 U	10 U	10 U
Xylene, m,p-	5	10 U	10 U	**34**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**10**	**2 J**	10 U	10 U
Xylene, o-	5	10 U	10 U	**75**	10 U	10 U	**2 J**	10 U	10 U	10 U	10 U	**32**	**10**	10 U	10 U
Total BTEX	NE	ND	ND	**136**	ND	ND	**7**	ND	ND	ND	ND	**89**	**17**	**7**	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 U	10 U	10 U	10 U
Acetone	50	10 U	**4 BJ**	10 U	**2 BJ**	**1 BJ**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Allyl 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
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
Bromoform	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	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Butadiene, 1,3-	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
Butanone, 2-	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
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
Carbon tetrachloride	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
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	10 U	10 U	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	**3 J**	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
Chlorotoluene	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
Cryofluorane	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
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
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
Dibromoethane, 1,2-	0.0006	10 U	10 U	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, 1,3-	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 U	10 U	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, 1,1-	5	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
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 U	10 U	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 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloropropene, cis-1,3	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
Dichloropropene, trans-1,3	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
Dioxane, 1,4-	NE	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U
Ethanol	NE	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U
Heptane, 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
Hexachlorobutadiene	0.5	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
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
Hexanone, 2-	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
Isopropyl benzene	5	10 U	10 U	**13**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**2 J**	**7 J**	10 U	10 U
Methyl tert-butyl ether	10	10 U	10 U	**15**	**1 J**	10 U	10 U	**4 J**	**35**	10 U	10 U	**7 J**	**62**	**6 J**	10 U
Methyl-2-pentanone, 4-	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
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	**2 J**	10 U	**1900 D**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**150 D**	**170**	**51**	10 U
Propanol, 2-	NE	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U
Propylbenzene, n-	5	10 U	10 U	**4 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**2 J**	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
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	10 U	10 U
Tetrachloroethane,1,1,2,2-	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
Tetrachloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**2 J**	**1 J**	10 U	10 U
Tetrahydrofuran	50	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
Trans-1,2-dichloroethene	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
Trichloro-1,2,2-trifluoroethane, 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	10 U	10 U

Table 4-11
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:	NYS AWQS	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2
Sample Name:		OU2MW-01D	OU2MW-02S	OU2MW-02I	OU2MW-02I2	OU2MW-02D	OU2MW-03S	OU2MW-03I	OU2MW-03I2	OU2MW-03D	OU2MW-04WT	OU2MW-04S	OU2MW-04I	OU2MW-04I2	OU2MW-04D
Screened Interval:		65-70 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	3-8 ft	20-25 ft	35-40 ft	50-55 ft	65-70 ft
Sample Date:		8/26/2010	9/8/2010	9/8/2010	9/7/2010	9/7/2010	9/10/2010	9/10/2010	9/10/2010	9/10/2010	9/10/2010	9/10/2010	9/10/2010	9/10/2010	9/10/2010
Parent Sample:															
Trichlorobenzene, 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
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
Trichloroethane, 1,1,2-	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
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
Trichlorofluoromethane	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	5	10 U	10 U	**35**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**26**	**5 J**	10 U	10 U
Trimethylbenzene, 1,2,4-	5	10 U	10 U	**14**	10 U	10 U	**3 J**	10 U	10 U	10 U	10 U	**49**	**1 J**	10 U	10 U
Trimethylpentane, 2,2,4-	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
Vinyl acetate	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
Vinyl chloride	2	10 U	10 U	10 U	10 U	10 U	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	**11**	10 U	10 U	**2 J**	10 U	10 U	10 U	10 U	**9 J**	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	**97 DJ**	10 U	10 U	**4 J**	10 U	10 U	10 U	10 U	**18**	10 U	10 U	10 U
Anthracene	50	10 U	10 U	**2 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**3 J**	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	**2 J**	10 U	10 U	**4 J**	10 U	10 U	10 U	10 U	**10**	10 U	10 U	10 U
Methylnaphthalene, 2-	NE	10 U	10 U	**3 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**17**	10 U	10 U	10 U
Naphthalene	10	10 U	10 U	**1100 D**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**79**	10 U	10 U	10 U
Phenanthrene	50	10 U	10 U	**17**	10 U	10 U	**6 J**	10 U	10 U	10 U	10 U	**16**	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
Total Noncarcinogenic PAHs	NE	ND	ND	**1232**	ND	ND	**16**	ND	ND	ND	ND	**152**	ND	ND	ND
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 Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)															
Total PAHs	NE	ND	ND	**1232**	ND	ND	**16**	ND	ND	ND	ND	**152**	ND	ND	ND
Total Metals (ug/L)															
Aluminum	NE	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
Arsenic	25	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
Beryllium	3	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
Calcium	NE	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
Cobalt	NE	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
Iron	300	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
Magnesium	35000	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
Mercury	0.7	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
Potassium	NE	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
Silver	50	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
Thallium	0.5	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
Zinc	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-11
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
Sample Name:	NYS	OU2MW-01D	OU2MW-02S	OU2MW-02I	OU2MW-02I2	OU2MW-02D	OU2MW-03S	OU2MW-03I	OU2MW-03I2	OU2MW-03D	OU2MW-04WT	OU2MW-04S	OU2MW-04I	OU2MW-04I2	OU2MW-04D
Screened Interval:	AWQS	65-70 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	3-8 ft	20-25 ft	35-40 ft	50-55 ft	65-70 ft
Sample Date:		8/26/2010	9/8/2010	9/8/2010	9/7/2010	9/7/2010	9/10/2010	9/10/2010	9/10/2010	9/10/2010	9/10/2010	9/10/2010	9/10/2010	9/10/2010	9/10/2010
Parent Sample:															
Other (ug/L)															
Alkalinity	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Total	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Total Kjeldahl	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (cfu/mL)															
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-11
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
Sample Name:	NYS	OU2MW-05	OU2MW-06S	OU2MW-06	OU2MW-07S	OU2MW-07	OU2MW-08WT	OU2MW-08S	OU2MW-08I	OU2MW-08I2	OU2MW-08D	OU2MW-09	OU2MW-10S	OU2MW-10I	DUP-02 Q3
Screened Interval:	AWQS	25-35 ft	3-8 ft	15-25 ft	3-8 ft	15-25 ft	3-8 ft	20-25 ft	35-40 ft	50-55 ft	65-70 ft	30-40 ft	3-7 ft	20-25 ft	20-25 ft
Sample Date:		7/15/2010	7/14/2010	7/14/2010	7/14/2010	7/14/2010	7/20/2010	7/20/2010	7/20/2010	7/20/2010	7/20/2010	9/7/2010	7/12/2010	7/12/2010	7/12/2010
Parent Sample:															OU2MW-10I
BTEX (ug/L)															
Benzene	1	**54**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**7 J**	10 U	10 U	10 U	**380**	**360**
Toluene	5	**5**	10 U	10 U	10 U	10 U	10 U	10 U	**19**	**21**	10 U	10 U	10 U	**3 J**	**3 J**
Ethylbenzene	5	**29**	10 U	10 U	10 U	10 U	10 U	**3 J**	**7 J**	**4 J**	10 U	10 U	10 U	**120**	**120**
Xylene, m,p-	5	**20**	10 U	10 U	10 U	10 U	10 U	**2 J**	**22**	**31**	10 U	10 U	10 U	**8**	**8 J**
Xylene, o-	5	**31**	10 U	10 U	10 U	10 U	10 U	**2 J**	**88**	**57**	10 U	10 U	10 U	**18**	**17**
Total BTEX	NE	**139**	ND	ND	ND	ND	ND	**7**	**136**	**120**	ND	ND	ND	**529**	**508**
Other VOCs (ug/L)															
Acetaldehyde	8	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 U
Acetone	50	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	**9 J**	10 U	10 U	10 U	10 U	10 U	10 U
Allyl chloride	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	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
Bromoform	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	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Butadiene, 1,3-	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
Butanone, 2-	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	10 U	10 U
Carbon disulfide	60	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
Carbon tetrachloride	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 UJ	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
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	10 U	10 U
Chloroform	7	10 U	10 U	**2 J**	10 U	10 U	10 U	10 U	**35**	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 UJ	10 UJ	10 UJ
Chlorotoluene	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
Cryofluorane	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
Cyclohexane	NE	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	**5**	**5**
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
Dibromoethane, 1,2-	0.0006	10 U	10 U	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, 1,3-	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 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 UJ	10 U	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 U	10 U	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 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloropropene, cis-1,3	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
Dichloropropene, trans-1,3	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
Dioxane, 1,4-	NE	R	R	R	R	R	500 U	500 U	500 U	500 U	R	500 U	R	R	R
Ethanol	NE	R	R	R	R	R	500 U	500 U	500 U	500 U	R	500 U	R	R	R
Heptane, n-	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
Hexachlorobutadiene	0.5	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
Hexane, n-	NE	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	**2 J**	**2 J**
Hexanone, 2-	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	10 U	10 U
Isopropyl benzene	5	**11**	10 U	10 U	10 U	10 U	10 U	10 U	**1 J**	**14**	10 U	10 U	10 U	**30**	**30**
Methyl tert-butyl ether	10	**28**	10 U	**26**	10 U	10 U	10 U	**1 J**	**15**	**25**	10 U	**24**	10 U	**2 J**	**2 J**
Methyl-2-pentanone, 4-	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	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
Naphthalene	10	**530**	10 UJ	10 UJ	10 UJ	10 UJ	10 U	**110**	**39**	**1400 D**	10 U	10 U	10 U	**12**	**12**
Propanol, 2-	NE	R	R	R	R	R	500 U	500 U	500 U	500 U	R	500 U	R	R	R
Propylbenzene, n-	5	**11**	10 U	10 U	10 U	10 U	10 U	10 U	**1 J**	**5 J**	10 U	10 U	10 U	**7**	**7**
Styrene	5	**4 J**	10 U	10 U	10 U	10 U	10 U	10 U	**29**	**22**	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	10 U	10 U
Tetrachloroethane,1,1,2,2-	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
Tetrachloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**1 J**	10 U	10 UJ	10 U	10 U	10 U	10 U
Tetrahydrofuran	50	**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
Trans-1,2-dichloroethene	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
Trichloro-1,2,2-trifluoroethane, 1,1,2-	5	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ

Table 4-11
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
Sample Name:	NYS	OU2MW-05	OU2MW-06S	OU2MW-06	OU2MW-07S	OU2MW-07	OU2MW-08WT	OU2MW-08S	OU2MW-08I	OU2MW-08I2	OU2MW-08D	OU2MW-09	OU2MW-10S	OU2MW-10I	DUP-02 Q3
Screened Interval:	AWQS	25-35 ft	3-8 ft	15-25 ft	3-8 ft	15-25 ft	3-8 ft	20-25 ft	35-40 ft	50-55 ft	65-70 ft	30-40 ft	3-7 ft	20-25 ft	20-25 ft
Sample Date:		7/15/2010	7/14/2010	7/14/2010	7/14/2010	7/14/2010	7/20/2010	7/20/2010	7/20/2010	7/20/2010	7/20/2010	9/7/2010	7/12/2010	7/12/2010	7/12/2010
Parent Sample:															OU2MW-10I
Trichlorobenzene, 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
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
Trichloroethane, 1,1,2-	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
Trichloroethene	5	**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	10 U
Trichlorofluoromethane	5	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ
Trimethylbenzene 1,3,5-/P-ethyltoluene	5	**45**	10 U	10 U	10 U	10 U	10 U	**12**	**110**	**43**	10 U	10 U	10 U	**12**	**12**
Trimethylbenzene, 1,2,4-	5	**64**	10 U	10 U	10 U	10 U	10 U	**19**	**6 J**	**20**	10 U	10 U	10 U	**53**	**53**
Trimethylpentane, 2,2,4-	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	**1 J**	10 UJ	10 U	10 U	10 U	10 U
Vinyl acetate	NE	10 UJ	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
Vinyl chloride	2	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 UJ	10 UJ
Non-carcinogenic PAHs (ug/L)															
Acenaphthene	20	**11**	10 U	10 U	10 U	10 U	10 U	**3 J**	**4 J**	**24**	10 U	10 U	10 U	**71**	**67**
Acenaphthylene	NE	**71**	10 U	10 U	10 U	10 U	10 U	**12**	**29**	**120 D**	10 U	10 U	10 U	**46**	**44**
Anthracene	50	**3 J**	10 U	10 U	10 U	10 U	10 U	**2 J**	10 U	10 U	10 U	10 U	10 U	**2 J**	**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	10 U	10 U	10 U
Fluoranthene	50	**2 J**	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
Fluorene	50	**10**	10 U	10 U	10 U	10 U	10 U	**7 J**	**3 J**	10 U	10 U	10 U	10 U	**7**	**7**
Methylnaphthalene, 2-	NE	**5**	10 U	10 U	10 U	10 U	10 U	**16**	**5 J**	**12**	10 U	10 U	10 U	10 U	10 U
Naphthalene	10	**220**	10 U	10 U	10 U	10 U	10 U	**35**	**19**	**520 D**	10 U	10 U	10 U	**10**	**9**
Phenanthrene	50	**11 J**	10 U	10 U	10 U	10 U	10 U	**8 J**	10 U	**28**	10 U	10 U	10 U	**13**	**12**
Pyrene	50	**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
Total Noncarcinogenic PAHs	NE	**335**	ND	ND	ND	ND	ND	**84**	**60**	**704**	ND	ND	ND	**149**	**141**
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 Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)															
Total PAHs	NE	**335**	ND	ND	ND	ND	ND	**84**	**60**	**704**	ND	ND	ND	**149**	**141**
Total Metals (ug/L)															
Aluminum	NE	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
Arsenic	25	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
Beryllium	3	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
Calcium	NE	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
Cobalt	NE	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
Iron	300	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
Magnesium	35000	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
Mercury	0.7	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
Potassium	NE	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
Silver	50	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
Thallium	0.5	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
Zinc	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-11
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
Sample Name:	NYS	OU2MW-05	OU2MW-06S	OU2MW-06	OU2MW-07S	OU2MW-07	OU2MW-08WT	OU2MW-08S	OU2MW-08I	OU2MW-08I2	OU2MW-08D	OU2MW-09	OU2MW-10S	OU2MW-10I	DUP-02 Q3
Screened Interval:	AWQS	25-35 ft	3-8 ft	15-25 ft	3-8 ft	15-25 ft	3-8 ft	20-25 ft	35-40 ft	50-55 ft	65-70 ft	30-40 ft	3-7 ft	20-25 ft	20-25 ft
Sample Date:		7/15/2010	7/14/2010	7/14/2010	7/14/2010	7/14/2010	7/20/2010	7/20/2010	7/20/2010	7/20/2010	7/20/2010	9/7/2010	7/12/2010	7/12/2010	7/12/2010
Parent Sample:															OU2MW-10I
Other (ug/L)															
Alkalinity	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Total	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Total Kjeldahl	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (cfu/mL)															
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-11
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
Sample Name:	NYS	OU2MW-10D	OU2MW-11S	OU2MW-11I	OU2MW-11I2	OU2MW-11D	DUP-03 Q3	OU2MW-12S	OU2MW-12I	OU2MW-12I2	OU2MW-12D	OU2MW-13S	OU2MW-13I	OU2MW-13D	OU2MW-14S
Screened Interval:	AWQS	35-40 ft	3-8 ft	20-25 ft	30-35 ft	40-45 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
Sample Date:		7/12/2010	7/13/2010	7/13/2010	7/13/2010	7/13/2010	7/13/2010	7/13/2010	7/13/2010	7/13/2010	7/13/2010	7/12/2010	7/12/2010	7/12/2010	8/25/2010
Parent Sample:							OU2MW-11D								
BTEX (ug/L)															
Benzene	1	**62**	10 U	**16**	10 U	**25**	**20**	10 U	**12**	**17**	**41**	10 U	**3 J**	**6**	10 U
Toluene	5	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
Ethylbenzene	5	10 U	10 U	**7**	10 U	**1 J**	10 U	10 U	**7**	**9**	**6**	10 U	10 U	10 U	10 U
Xylene, m,p-	5	**2 J**	10 U	**8 J**	10 U	**5 J**	**3 J**	10 U	**3 J**	**3 J**	**6 J**	10 U	10 U	10 U	10 U
Xylene, o-	5	**1 J**	10 U	**24**	10 U	**8**	**5**	10 U	**13**	**8**	**19**	10 U	10 U	**2 J**	10 U
Total BTEX	NE	**65**	ND	**55**	ND	**39**	**28**	ND	**35**	**37**	**73**	ND	**3**	**8**	ND
Other VOCs (ug/L)															
Acetaldehyde	8	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 U	10 U
Acetone	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
Allyl chloride	5	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 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
Bromoform	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	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Butadiene, 1,3-	NE	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 U	10 U
Butanone, 2-	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
Carbon disulfide	60	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 U	10 U
Carbon tetrachloride	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	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	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	10 U	10 U
Chloroform	7	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
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	10 UJ	10 U
Chlorotoluene	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
Cryofluorane	NE	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U
Cyclohexane	NE	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 UJ	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
Dibromoethane, 1,2-	0.0006	10 U	10 U	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, 1,3-	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 U
Dichloroethane, 1,1-	5	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
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 U	10 U	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 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloropropene, cis-1,3	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
Dichloropropene, trans-1,3	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
Dioxane, 1,4-	NE	R	R	R	R	R	R	R	R	R	R	R	R	R	500 U
Ethanol	NE	R	R	R	R	R	R	R	R	R	R	R	R	R	500 U
Heptane, n-	NE	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U
Hexachlorobutadiene	0.5	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 U	10 U
Hexane, n-	NE	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U
Hexanone, 2-	50	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U
Isopropyl benzene	5	**5**	10 UJ	**9 J**	**1 J**	**16 J**	**11**	10 UJ	**4 J**	10 UJ	**6 J**	10 U	10 U	**8**	10 U
Methyl tert-butyl ether	10	10 U	10 U	**10**	**18**	**68**	**72**	10 U	**8**	**13**	**22**	10 U	**1 J**	**18**	10 U
Methyl-2-pentanone, 4-	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
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	**21**	10 UJ	**59 J**	**1 J**	**110 J**	**87 J**	10 UJ	**18 J**	**120 J**	**200 J**	10 U	**4 J**	10 U	10 U
Propanol, 2-	NE	R	500 U	500 U	500 U	500 U	R	500 U	500 U	500 U	500 U	R	R	R	500 U
Propylbenzene, n-	5	10 U	10 UJ	**7 J**	10 UJ	**5 J**	**3 J**	10 UJ	**3 J**	**1 J**	**5 J**	10 U	10 U	10 U	10 U
Styrene	5	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
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	10 U	10 U
Tetrachloroethane,1,1,2,2-	5	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U
Tetrachloroethene	5	10 U	10 U	**2 J**	**3 J**	10 U	10 U	10 U	10 U	**3 J**	10 U	10 U	10 U	10 U	10 U
Tetrahydrofuran	50	10 U	10 U	**2 J**	10 U	10 U	10 U	10 U	**2 J**	**1 J**	10 U	10 U	**3 J**	10 U	10 U
Trans-1,2-dichloroethene	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
Trichloro-1,2,2-trifluoroethane, 1,1,2-	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	10 UJ	10 U

Table 4-11
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
Sample Name:	NYS	OU2MW-10D	OU2MW-11S	OU2MW-11I	OU2MW-11I2	OU2MW-11D	DUP-03 Q3	OU2MW-12S	OU2MW-12I	OU2MW-12I2	OU2MW-12D	OU2MW-13S	OU2MW-13I	OU2MW-13D	OU2MW-14S
Screened Interval:	AWQS	35-40 ft	3-8 ft	20-25 ft	30-35 ft	40-45 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
Sample Date:		7/12/2010	7/13/2010	7/13/2010	7/13/2010	7/13/2010	7/13/2010	7/13/2010	7/13/2010	7/13/2010	7/13/2010	7/12/2010	7/12/2010	7/12/2010	8/25/2010
Parent Sample:							OU2MW-11D								
Trichlorobenzene, 1,2,4-	5	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	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	10 U	10 U	10 U
Trichloroethane, 1,1,2-	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
Trichloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**1 J**	**1 J**	**1 J**	10 U	10 U	10 U	10 U
Trichlorofluoromethane	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	10 UJ	10 U
Trimethylbenzene 1,3,5-/P-ethyltoluene	5	**2 J**	10 U	**19**	10 U	**9 J**	**7 J**	10 U	**11**	**8 J**	**26**	10 U	**2 J**	10 U	10 U
Trimethylbenzene, 1,2,4-	5	10 U	10 U	**47**	10 U	**5**	**4 J**	10 U	**23**	**8**	**10**	10 U	**2 J**	**1 J**	10 U
Trimethylpentane, 2,2,4-	NE	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U	10 U	**4 J**	10 U
Vinyl acetate	NE	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U
Vinyl chloride	2	10 UJ	10 UJ	10 UJ	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	**3 J**	10 U	**30**	10 U	**7**	**7**	10 U	**3 J**	10 U	**7**	10 U	**11**	**2 J**	10 U
Acenaphthylene	NE	**3 J**	10 U	**67**	**1 J**	**36**	**33**	10 U	**3 J**	**6**	**57**	10 U	**15**	**11**	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	**3 J**	**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	10 U	10 U	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	**5**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**2 J**	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	**17**	10 U	**23**	10 U	**20**	**21**	10 U	**5**	**52**	**130**	10 U	**3 J**	10 U	10 U
Phenanthrene	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**3 J**	10 U	**7**	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
Total Noncarcinogenic PAHs	NE	**23**	ND	**125**	**1**	**63**	**61**	ND	**11**	**58**	**197**	ND	**41**	**15**	ND
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 Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)															
Total PAHs	NE	**23**	ND	**125**	**1**	**63**	**61**	ND	**11**	**58**	**197**	ND	**41**	**15**	ND
Total Metals (ug/L)															
Aluminum	NE	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
Arsenic	25	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
Beryllium	3	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
Calcium	NE	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
Cobalt	NE	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
Iron	300	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
Magnesium	35000	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
Mercury	0.7	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
Potassium	NE	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
Silver	50	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
Thallium	0.5	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
Zinc	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-11
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
Sample Name:	NYS	OU2MW-10D	OU2MW-11S	OU2MW-11I	OU2MW-11I2	OU2MW-11D	DUP-03 Q3	OU2MW-12S	OU2MW-12I	OU2MW-12I2	OU2MW-12D	OU2MW-13S	OU2MW-13I	OU2MW-13D	OU2MW-14S
Screened Interval:	AWQS	35-40 ft	3-8 ft	20-25 ft	30-35 ft	40-45 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
Sample Date:		7/12/2010	7/13/2010	7/13/2010	7/13/2010	7/13/2010	7/13/2010	7/13/2010	7/13/2010	7/13/2010	7/13/2010	7/12/2010	7/12/2010	7/12/2010	8/25/2010
Parent Sample:							OU2MW-11D								
Other (ug/L)															
Alkalinity	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Total	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Total Kjeldahl	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (cfu/mL)															
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-11
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
Sample Name:	NYS	OU2MW-14I	OU2MW-14I2	OU2MW-15S	OU2MW-15I	OU2MW-15I2	OU2MW-15D	OU2MW-16S	OU2MW-16I	OU2MW-16I2	OU2MW-16D	OU2MW-17S	DUP-17 Q3	OU2MW-17I	OU2MW-17I2
Screened Interval:	AWQS	20-25 ft	45-50 ft	3-8 ft	20-25 ft	30-35 ft	40-45 ft	3-8 ft	15-20 ft	25-30 ft	35-40 ft	5-10 ft	5-10 ft	13-23 ft	35-45 ft
Sample Date:		8/25/2010	8/25/2010	7/12/2010	7/12/2010	7/12/2010	7/12/2010	7/13/2010	7/13/2010	7/12/2010	7/12/2010	9/9/2010	9/9/2010	9/8/2010	9/9/2010
Parent Sample:													OU2MW-17S		
BTEX (ug/L)															
Benzene	1	10 U	10 U	10 U	**66**	10 U	10 U	10 U	10 U	**19**	10 U	10 U	10 U	**4 J**	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
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
Xylene, m,p-	5	10 U	10 U	10 U	**1 J**	10 U	10 U	10 U	10 U	**1 J**	10 U	10 U	10 U	10 U	10 U
Xylene, o-	5	10 U	10 U	10 U	**6**	10 U	10 U	10 U	10 U	**2 J**	10 U	10 U	10 U	10 U	10 U
Total BTEX	NE	ND	ND	ND	**73**	ND	ND	ND	ND	**22**	ND	ND	ND	**4**	ND
Other VOCs (ug/L)															
Acetaldehyde	8	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 U
Acetone	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**2 J**	**1 J**	10 U	10 U
Allyl chloride	5	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 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
Bromoform	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	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Butadiene, 1,3-	NE	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 U
Butanone, 2-	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
Carbon disulfide	60	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 U
Carbon tetrachloride	5	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
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	10 U	10 U	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	10 U	10 U
Chloromethane	5	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U
Chlorotoluene	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
Cryofluorane	NE	10 U	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
Cyclohexane	NE	10 U	10 U	10 U	**1 J**	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	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 UJ	10 U	10 U	10 U	10 U	10 U
Dibromoethane, 1,2-	0.0006	10 U	10 U	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, 1,3-	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 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	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	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 U	10 U	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 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloropropene, cis-1,3	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
Dichloropropene, trans-1,3	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
Dioxane, 1,4-	NE	500 U	500 U	R	R	R	R	R	R	R	R	500 U	500 U	500 U	500 U
Ethanol	NE	500 U	500 U	R	R	R	R	R	R	R	R	500 U	500 U	500 U	500 U
Heptane, n-	NE	10 U	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
Hexachlorobutadiene	0.5	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 U
Hexane, n-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U
Hexanone, 2-	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U
Isopropyl benzene	5	10 U	10 U	10 U	**1 J**	10 U	10 U	10 U	10 UJ	**1 J**	10 UJ	10 U	10 U	10 U	10 U
Methyl tert-butyl ether	10	**4 J**	10 U	10 U	**10**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**2 J**
Methyl-2-pentanone, 4-	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
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 U	10 U	**6**	10 U	10 U	10 UJ	10 UJ	**44 J**	10 UJ	10 U	10 U	10 U	10 U
Propanol, 2-	NE	500 U	500 U	R	R	R	R	R	500 U	500 U	500 U	500 U	500 U	500 U	500 U
Propylbenzene, n-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	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
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	10 U	10 U
Tetrachloroethane,1,1,2,2-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 UJ	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	10 U	10 U	10 U
Tetrahydrofuran	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**	10 U	10 U
Trans-1,2-dichloroethene	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
Trichloro-1,2,2-trifluoroethane, 1,1,2-	5	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

Table 4-11
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:	NYS AWQS	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2
Sample Name:		OU2MW-14I	OU2MW-14I2	OU2MW-15S	OU2MW-15I	OU2MW-15I2	OU2MW-15D	OU2MW-16S	OU2MW-16I	OU2MW-16I2	OU2MW-16D	OU2MW-17S	DUP-17 Q3	OU2MW-17I	OU2MW-17I2
Screened Interval:		20-25 ft	45-50 ft	3-8 ft	20-25 ft	30-35 ft	40-45 ft	3-8 ft	15-20 ft	25-30 ft	35-40 ft	5-10 ft	5-10 ft	13-23 ft	35-45 ft
Sample Date:		8/25/2010	8/25/2010	7/12/2010	7/12/2010	7/12/2010	7/12/2010	7/13/2010	7/13/2010	7/12/2010	7/12/2010	9/9/2010	9/9/2010	9/8/2010	9/9/2010
Parent Sample:													OU2MW-17S		
Trichlorobenzene, 1,2,4-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	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	10 U	10 U	10 U
Trichloroethane, 1,1,2-	1	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
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
Trichlorofluoromethane	5	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
Trimethylbenzene 1,3,5-/P-ethyltoluene	5	10 U	10 U	10 U	**2 J**	10 U	10 U	10 U	10 U	**1 J**	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene, 1,2,4-	5	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
Trimethylpentane, 2,2,4-	NE	10 U	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
Vinyl acetate	NE	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
Vinyl chloride	2	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U
Non-carcinogenic PAHs (ug/L)															
Acenaphthene	20	10 U	10 U	10 U	**16**	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	**8**	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	**2 J**	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	**7**	10 U	10 U	10 U	10 U	**26**	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
Total Noncarcinogenic PAHs	NE	ND	ND	ND	**33**	ND	ND	ND	ND	**26**	ND	ND	ND	ND	ND
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 Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)															
Total PAHs	NE	ND	ND	ND	**33**	ND	ND	ND	ND	**26**	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
Antimony	3	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
Barium	1000	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
Cadmium	5	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
Chromium	50	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
Copper	200	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
Lead	25	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
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	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
Potassium	NE	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
Silver	50	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
Thallium	0.5	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
Zinc	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-11
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
Sample Name:	NYS	OU2MW-14I	OU2MW-14I2	OU2MW-15S	OU2MW-15I	OU2MW-15I2	OU2MW-15D	OU2MW-16S	OU2MW-16I	OU2MW-16I2	OU2MW-16D	OU2MW-17S	DUP-17 Q3	OU2MW-17I	OU2MW-17I2
Screened Interval:	AWQS	20-25 ft	45-50 ft	3-8 ft	20-25 ft	30-35 ft	40-45 ft	3-8 ft	15-20 ft	25-30 ft	35-40 ft	5-10 ft	5-10 ft	13-23 ft	35-45 ft
Sample Date:		8/25/2010	8/25/2010	7/12/2010	7/12/2010	7/12/2010	7/12/2010	7/13/2010	7/13/2010	7/12/2010	7/12/2010	9/9/2010	9/9/2010	9/8/2010	9/9/2010
Parent Sample:													OU2MW-17S		
Other (ug/L)															
Alkalinity	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Total	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Total Kjeldahl	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (cfu/mL)															
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-11
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
Sample Name:	NYS	DUP-18 Q3	OU2MW-17D	OU2MW-18I	OU2MW-18I2	OU2MW-18D	OU2MW-19I	OU2MW-19I2	OU2MW-19D	OU2MW-20S	OU2MW-20I	OU2MW-20I2	DUP-13 Q3	OU2MW-20D	OU2MW-21S
Screened Interval:	AWQS	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	65-70 ft	35-45 ft	35-45 ft	65-70 ft	5-15 ft
Sample Date:		9/9/2010	9/8/2010	7/16/2010	7/16/2010	7/16/2010	7/15/2010	7/15/2010	7/15/2010	8/25/2010	8/25/2010	8/25/2010	8/25/2010	8/25/2010	8/20/2010
Parent Sample:		OU2MW-17I2											OU2MW-20I2		
BTEX (ug/L)															
Benzene	1	10 U	10 U	**280**	**350**	10 U	10 U	**2 J**	**2 J**	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	5	10 U	10 U	**32**	**13**	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	**990**	**32**	10 U	10 U	**1 J**	10 U	10 U	**4 J**	10 U	10 U	10 U	10 U
Xylene, m,p-	5	10 U	10 U	**110**	**95**	10 U	10 U	**9**	**6**	10 U	**2 J**	10 U	10 U	10 U	10 U
Xylene, o-	5	10 U	10 U	**180**	**85**	10 U	10 U	**10**	**6**	10 U	**6 J**	10 U	10 U	10 U	10 U
Total BTEX	NE	ND	ND	**1592**	**575**	ND	ND	**22**	**14**	ND	**12**	ND	ND	ND	ND
Other VOCs (ug/L)															
Acetaldehyde	8	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	50	10 U	**2 BJ**	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Allyl chloride	5	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	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	10 U	10 U
Bromoform	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	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Butadiene, 1,3-	NE	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Butanone, 2-	50	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Carbon disulfide	60	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Carbon tetrachloride	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
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	10 U	10 U	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	**39**	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
Chlorotoluene	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
Cryofluorane	NE	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Cyclohexane	NE	10 U	10 U	**34 J**	**3 J**	10 UJ	10 UJ	10 UJ	10 UJ	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
Dibromoethane, 1,2-	0.0006	10 U	10 U	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, 1,3-	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 U	10 U	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, 1,1-	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 U	10 U	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 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloropropene, cis-1,3	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
Dichloropropene, trans-1,3	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
Dioxane, 1,4-	NE	500 U	500 U	R	R	R	R	R	R	500 U	500 U	500 U	500 U	500 U	500 U
Ethanol	NE	500 U	500 U	R	R	R	R	R	R	500 U	500 U	500 U	500 U	500 U	500 U
Heptane, n-	NE	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	0.5	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Hexane, n-	NE	10 U	10 U	**8 J**	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Hexanone, 2-	50	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Isopropyl benzene	5	10 U	10 U	**45**	**5**	10 U	10 U	**6**	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl tert-butyl ether	10	**2 J**	10 U	10 U	**1 J**	10 U	**1 J**	**12**	**8**	10 U	10 U	**7 J**	**7 J**	**22**	10 U
Methyl-2-pentanone, 4-	NE	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	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
Naphthalene	10	10 U	10 U	**2200**	**530**	10 U	**2 J**	**150**	**74**	10 U	**4 J**	10 U	10 U	10 U	**3 J**
Propanol, 2-	NE	500 U	500 U	R	R	R	R	R	R	500 U	500 U	500 U	500 U	500 U	500 U
Propylbenzene, n-	5	10 U	10 U	**17**	**2 J**	10 U	10 U	**1 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	5	10 U	10 U	**13**	**6**	10 U	10 U	**4 J**	**4 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	10 U	10 U
Tetrachloroethane,1,1,2,2-	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
Tetrachloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	**10**	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrahydrofuran	50	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	**2 J**
Trans-1,2-dichloroethene	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
Trichloro-1,2,2-trifluoroethane, 1,1,2-	5	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U

Table 4-11
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:	NYS AWQS	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2
Sample Name:		DUP-18 Q3	OU2MW-17D	OU2MW-18I	OU2MW-18I2	OU2MW-18D	OU2MW-19I	OU2MW-19I2	OU2MW-19D	OU2MW-20S	OU2MW-20I	OU2MW-20I2	DUP-13 Q3	OU2MW-20D	OU2MW-21S
Screened Interval:		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	65-70 ft	35-45 ft	35-45 ft	65-70 ft	5-15 ft
Sample Date:		9/9/2010	9/8/2010	7/16/2010	7/16/2010	7/16/2010	7/15/2010	7/15/2010	7/15/2010	8/25/2010	8/25/2010	8/25/2010	8/25/2010	8/25/2010	8/20/2010
Parent Sample:		OU2MW-17I2											OU2MW-20I2		
Trichlorobenzene, 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
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
Trichloroethane, 1,1,2-	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
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
Trichlorofluoromethane	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	5	10 U	10 U	**180**	**20**	10 U	10 U	**210**	**5**	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene, 1,2,4-	5	10 U	10 U	**270**	**29**	10 U	10 U	**68**	**5**	10 U	**2 J**	10 U	10 U	10 U	10 U
Trimethylpentane, 2,2,4-	NE	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	**2 J**	10 U	10 U	10 U
Vinyl acetate	NE	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl chloride	2	10 U	10 U	10 U	10 U	10 U	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	**170 J**	**11**	10 U	10 U	**25**	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	**17**	10 U	10 U	10 U	**27**	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50	10 U	10 U	**11**	10 U	10 U	10 U	**1 J**	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	**3 J**	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	**55**	**19**	10 U	10 U	**10**	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylnaphthalene, 2-	NE	10 U	10 U	**18 J**	10 U	10 U	10 U	**2 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10	10 U	10 U	**1400**	10 U	10 U	10 U	**4 J**	10 U	10 U	**3 J**	10 U	10 U	10 U	10 U
Phenanthrene	50	10 U	10 U	**68**	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	**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 Noncarcinogenic PAHs	NE	ND	ND	**1745**	**30**	ND	ND	**69**	ND	ND	**3**	ND	ND	ND	ND
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 Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)															
Total PAHs	NE	ND	ND	**1745**	**30**	ND	ND	**69**	ND	ND	**3**	ND	ND	ND	ND
Total Metals (ug/L)															
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	**236**	**48.3 B**	**81.6 B**	**82.5 B**	**37.8 B**	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	**3.7 B**	**3.3 B**	2.9 U	2.9 U	2.9 U	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	**5.4 B**	**45.7 B**	**53.4 B**	**53.2 B**	**26.6 B**	NA
Beryllium	3	NA	NA	NA	NA	NA	NA	NA	NA	**0.28 B**	**0.3 B**	**0.31 B**	**0.28 B**	**0.27 B**	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	**21700**	**26700**	**12800**	**13000**	**10600**	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	**20.7 B**	**2.4 B**	0.64 U	0.64 U	0.64 U	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	**138**	**461**	**77.1 B**	**76.1 B**	**28.8 B**	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	**1.6 BN**	**2.3 BN**	**2.3 BN**	**2.8 BN**	1.3 UN	NA
Magnesium	35000	NA	NA	NA	NA	NA	NA	NA	NA	**2090 B**	**4400 B**	**2970 B**	**3020 B**	**4920 B**	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	**5.4 B**	**355**	**8740**	**8800**	**548**	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	0.1 UN	0.1 UN	0.1 UN	0.1 UN	0.1 UN	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	**3.1 B**	**3.8 B**	1.5 U	1.5 U	**4.6 B**	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	**1820 B**	**4970 B**	**3170 B**	**3260 B**	**1800 B**	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	**0.45 BN**	**0.53 BN**	**1.1 BN**	**0.81 BN**	**0.45 BN**	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	**3030 B**	**63500**	**35600**	**35900**	**19400**	NA
Thallium	0.5	NA	NA	NA	NA	NA	NA	NA	NA	3 U	3 U	3 U	3 U	3 U	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	**8.8 B**	1.1 U	1.1 U	1.1 U	1.1 U	NA
Zinc	2000	NA	NA	NA	NA	NA	NA	NA	NA	**38.5**	**43**	2.4 U	2.4 U	**14.6 B**	NA

Table 4-11
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
Sample Name:	NYS	DUP-18 Q3	OU2MW-17D	OU2MW-18I	OU2MW-18I2	OU2MW-18D	OU2MW-19I	OU2MW-19I2	OU2MW-19D	OU2MW-20S	OU2MW-20I	OU2MW-20I2	DUP-13 Q3	OU2MW-20D	OU2MW-21S
Screened Interval:	AWQS	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	65-70 ft	35-45 ft	35-45 ft	65-70 ft	5-15 ft
Sample Date:		9/9/2010	9/8/2010	7/16/2010	7/16/2010	7/16/2010	7/15/2010	7/15/2010	7/15/2010	8/25/2010	8/25/2010	8/25/2010	8/25/2010	8/25/2010	8/20/2010
Parent Sample:		OU2MW-17I2											OU2MW-20I2		
Other (ug/L)															
Alkalinity	NE	NA	NA	NA	NA	NA	NA	NA	NA	**48200**	**83400**	**46600**	**45200**	**6600**	NA
Nitrogen, Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	**210**	**460**	**300**	**240**	100 U	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	**1050**	100 U	**1640**	**1630**	100 U	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	100 U	100 U	100 U	100 U	100 U	NA
Nitrogen, Total	NE	NA	NA	NA	NA	NA	NA	NA	NA	**1740**	**620**	**1970**	**1940**	**400**	NA
Nitrogen, Total Kjeldahl	NE	NA	NA	NA	NA	NA	NA	NA	NA	**700**	**620**	**330**	**310**	**410**	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	**7950**	**32200**	**18600**	**18700**	**58900**	NA
Sulfide	50	NA	NA	NA	NA	NA	NA	NA	NA	2000 U	2000 U	2000 U	2000 U	2000 U	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	**250**	50 U	50 U	50 U	50 U	NA
Other (cfu/mL)															
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	**30**	**2800**	**15**	**7**	**13**	NA

Table 4-11
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
Sample Name:	NYS	OU2MW-21I	OU2MW-21I2	OU2MW-22S	OU2MW-22I	OU2MW-22I2	OU2MW-22D	OU2MW-23S	OU2MW-23I	OU2MW-23I2	OU2MW-23D	OU2MW-24S	OU2MW-24I	OU2MW-24I2	DUP-10 Q3
Screened Interval:	AWQS	13-23 ft	35-45 ft	5-15 ft	25-30 ft	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	45-50 ft
Sample Date:		8/20/2010	8/20/2010	8/17/2010	8/17/2010	8/16/2010	8/16/2010	8/17/2010	8/16/2010	8/16/2010	8/16/2010	8/11/2010	8/12/2010	8/12/2010	8/12/2010
Parent Sample:															OU2MW-24I2
BTEX (ug/L)															
Benzene	1	10 U	10 U	10 U	**79**	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
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
Xylene, m,p-	5	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
Xylene, o-	5	10 U	**4 J**	10 U	**10**	10 U	10 U	10 U	**1 J**	10 U	10 U	10 U	10 U	10 U	10 U
Total BTEX	NE	ND	**6**	ND	**89**	ND	ND	ND	**1**	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	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	50	**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	10 U
Allyl 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
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
Bromoform	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	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Butadiene, 1,3-	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
Butanone, 2-	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
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
Carbon tetrachloride	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
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	10 U	10 U	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	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
Chlorotoluene	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
Cryofluorane	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
Cyclohexane	NE	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
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
Dibromoethane, 1,2-	0.0006	10 U	10 U	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, 1,3-	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 U	10 U	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, 1,1-	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 U	10 U	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 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloropropene, cis-1,3	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
Dichloropropene, trans-1,3	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
Dioxane, 1,4-	NE	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U
Ethanol	NE	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U
Heptane, 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
Hexachlorobutadiene	0.5	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
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
Hexanone, 2-	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
Isopropyl benzene	5	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
Methyl tert-butyl ether	10	**2 J**	**18**	10 U	10 U	**3 J**	10 U	10 U	10 U	**1 J**	10 U	10 U	10 U	**3 J**	**3 J**
Methyl-2-pentanone, 4-	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
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	**2 J**	**25**	10 U	**3 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**2 J**	10 U	10 U
Propanol, 2-	NE	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U
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
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	10 U	10 U
Tetrachloroethane,1,1,2,2-	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
Tetrachloroethene	5	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	10 U
Tetrahydrofuran	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
Trans-1,2-dichloroethene	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
Trichloro-1,2,2-trifluoroethane, 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	10 U	10 U

Table 4-11
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
Sample Name:	NYS	OU2MW-21I	OU2MW-21I2	OU2MW-22S	OU2MW-22I	OU2MW-22I2	OU2MW-22D	OU2MW-23S	OU2MW-23I	OU2MW-23I2	OU2MW-23D	OU2MW-24S	OU2MW-24I	OU2MW-24I2	DUP-10 Q3
Screened Interval:	AWQS	13-23 ft	35-45 ft	5-15 ft	25-30 ft	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	45-50 ft
Sample Date:		8/20/2010	8/20/2010	8/17/2010	8/17/2010	8/16/2010	8/16/2010	8/17/2010	8/16/2010	8/16/2010	8/16/2010	8/11/2010	8/12/2010	8/12/2010	8/12/2010
Parent Sample:															OU2MW-24I2
Trichlorobenzene, 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
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
Trichloroethane, 1,1,2-	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
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
Trichlorofluoromethane	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	5	**2 J**	**43**	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, 1,2,4-	5	**1 J**	**10**	10 U	**5 J**	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 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl acetate	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
Vinyl chloride	2	10 U	10 U	10 U	10 U	10 U	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	**6 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	**1 J**	10 U	**14**	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	**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
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	**2 J**	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
Total Noncarcinogenic PAHs	NE	ND	**2**	ND	**22**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
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 Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)															
Total PAHs	NE	ND	**2**	ND	**22**	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
Antimony	3	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
Barium	1000	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
Cadmium	5	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
Chromium	50	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
Copper	200	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
Lead	25	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
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	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
Potassium	NE	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
Silver	50	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
Thallium	0.5	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
Zinc	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-11
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
Sample Name:	NYS	OU2MW-21I	OU2MW-21I2	OU2MW-22S	OU2MW-22I	OU2MW-22I2	OU2MW-22D	OU2MW-23S	OU2MW-23I	OU2MW-23I2	OU2MW-23D	OU2MW-24S	OU2MW-24I	OU2MW-24I2	DUP-10 Q3	
Screened Interval:	AWQS	13-23 ft	35-45 ft	5-15 ft	25-30 ft	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	45-50 ft	
Sample Date:		8/20/2010	8/20/2010	8/17/2010	8/17/2010	8/16/2010	8/16/2010	8/17/2010	8/16/2010	8/16/2010	8/16/2010	8/11/2010	8/12/2010	8/12/2010	8/12/2010	
Parent Sample:															OU2MW-24I2	
Other (ug/L)																
Alkalinity	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Nitrogen, Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Nitrogen, Total	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Nitrogen, Total Kjeldahl	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Sulfide	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Other (cfu/mL)																
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

Table 4-11
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
Sample Name:	NYS	OU2MW-24D	OU2MW-25S	OU2MW-25I	OU2MW-25I2	OU2MW-25D	OU2MW-26S	OU2MW-26I	OU2MW-26I2	OU2MW-26D	OU2MW-27S	OU2MW-27I	OU2MW-27I2	OU2MW-27D	OU2MW-28S
Screened Interval:	AWQS	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	25-30 ft	45-50 ft	65-70 ft	5-15 ft
Sample Date:		8/12/2010	8/13/2010	8/13/2010	8/16/2010	8/13/2010	8/19/2010	8/19/2010	8/20/2010	8/20/2010	9/2/2010	9/2/2010	9/2/2010	9/2/2010	8/9/2010
Parent Sample:															
BTEX (ug/L)															
Benzene	1	10 U	10 U	**26**	10 U	10 U	10 U	10 U	**1 J**	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	**30**	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	**1 J**	**50**	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	**9 J**	**370**	10 U	10 U	10 U	10 U	10 U
Xylene, o-	5	10 U	10 U	**3 J**	10 U	10 U	10 U	10 U	**30**	**190**	10 U	10 U	10 U	10 U	10 U
Total BTEX	NE	ND	ND	**29**	ND	ND	ND	ND	**41**	**640**	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	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	50	10 U	10 U	10 U	10 U	10 U	**1 J**	10 U	**3 J**	**11**	**3 J**	**2 BJ**	**4 J**	10 U	10 U
Allyl 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
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
Bromoform	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	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Butadiene, 1,3-	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
Butanone, 2-	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	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
Carbon tetrachloride	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
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	10 U	10 U	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	**14**	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
Chlorotoluene	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
Cryofluorane	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
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
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
Dibromoethane, 1,2-	0.0006	10 U	10 U	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, 1,3-	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 U	10 U	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, 1,1-	5	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
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 U	10 U	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 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloropropene, cis-1,3	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
Dichloropropene, trans-1,3	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
Dioxane, 1,4-	NE	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U
Ethanol	NE	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U
Heptane, 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
Hexachlorobutadiene	0.5	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
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
Hexanone, 2-	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
Isopropyl benzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**17**	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	**1 J**	**7 J**	10 U	**9 J**	**18**	**9 J**	10 U
Methyl-2-pentanone, 4-	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
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 U	10 U	10 U	10 U	10 U	10 U	**3 J**	**3300 D**	10 U	10 U	10 U	**2 J**	10 U
Propanol, 2-	NE	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U
Propylbenzene, n-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**27**	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	**130**	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	10 U	10 U
Tetrachloroethane,1,1,2,2-	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
Tetrachloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**1 J**	10 U	**4 J**	**2 J**	**1 J**	10 U
Tetrahydrofuran	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
Trans-1,2-dichloroethene	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
Trichloro-1,2,2-trifluoroethane, 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	10 U	10 U

Table 4-11
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:	NYS AWQS	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2
Sample Name:		OU2MW-24D	OU2MW-25S	OU2MW-25I	OU2MW-25I2	OU2MW-25D	OU2MW-26S	OU2MW-26I	OU2MW-26I2	OU2MW-26D	OU2MW-27S	OU2MW-27I	OU2MW-27I2	OU2MW-27D	OU2MW-28S
Screened Interval:		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	25-30 ft	45-50 ft	65-70 ft	5-15 ft
Sample Date:		8/12/2010	8/13/2010	8/13/2010	8/16/2010	8/13/2010	8/19/2010	8/19/2010	8/20/2010	8/20/2010	9/2/2010	9/2/2010	9/2/2010	9/2/2010	8/9/2010
Parent Sample:															
Trichlorobenzene, 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
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
Trichloroethane, 1,1,2-	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
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
Trichlorofluoromethane	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	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**5 J**	**190**	10 U	**10**	**3 J**	10 U	10 U
Trimethylbenzene, 1,2,4-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**2 J**	**240 DJ**	10 U	10 U	10 U	10 U	10 U
Trimethylpentane, 2,2,4-	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
Vinyl acetate	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
Vinyl chloride	2	10 U	10 U	10 U	10 U	10 U	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	**2 J**	10 U	10 U	10 U	10 U	10 U	**14**	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	**3 J**	10 U	10 U	10 U	10 U	10 U	**140 DJ**	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	**31**	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	**490 DJ**	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	**2600 D**	10 U	10 U	**2 J**	**1 J**	10 U
Phenanthrene	50	10 U	10 U	**1 J**	10 U	10 U	10 U	10 U	10 U	**16**	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
Total Noncarcinogenic PAHs	NE	ND	ND	**6**	ND	ND	ND	ND	ND	**3291**	ND	ND	**2**	**1**	ND
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 Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)															
Total PAHs	NE	ND	ND	**6**	ND	ND	ND	ND	ND	**3291**	ND	ND	**2**	**1**	ND
Total Metals (ug/L)															
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**35.9 B**
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.9 U
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**14.9 B**
Beryllium	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.17 U
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.33 U
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**28300**
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.3 U
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.4 U
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**3.7 B**
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**95.8 B**
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.3 U
Magnesium	35000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**3680 B**
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**4.7 B**
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.1 UN
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**4.1 B**
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**3070 B**
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.8 U
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.53 B**
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**8670**
Thallium	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3 U
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.1 U
Zinc	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**156**

Table 4-11
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
Sample Name:	NYS	OU2MW-24D	OU2MW-25S	OU2MW-25I	OU2MW-25I2	OU2MW-25D	OU2MW-26S	OU2MW-26I	OU2MW-26I2	OU2MW-26D	OU2MW-27S	OU2MW-27I	OU2MW-27I2	OU2MW-27D	OU2MW-28S
Screened Interval:	AWQS	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	25-30 ft	45-50 ft	65-70 ft	5-15 ft
Sample Date:		8/12/2010	8/13/2010	8/13/2010	8/16/2010	8/13/2010	8/19/2010	8/19/2010	8/20/2010	8/20/2010	9/2/2010	9/2/2010	9/2/2010	9/2/2010	8/9/2010
Parent Sample:															
Other (ug/L)															
Alkalinity	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100 U
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**7980**
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100 U
Nitrogen, Total	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**7980**
Nitrogen, Total Kjeldahl	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100 U
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**21000**
Sulfide	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2000 U
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**60**
Other (cfu/mL)															
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**43**

Table 4-11
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:	NYS AWQS	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2
Sample Name:		OU2MW-28I	OU2MW-28I2	OU2MW-29I	OU2MW-29I2	OU2MW-29D	OU2MW-30S	OU2MW-30I	OU2MW-30I2	OU2MW-30I3	OU2MW-30D	OU2MW-30D2	OU2MW-31I	DUP-08 Q3	OU2MW-31I2
Screened Interval:		28-33 ft	40-45 ft	18-23 ft	30-35 ft	45-50 ft	5-15 ft	25-30 ft	30-35 ft	45-50 ft	50-55 ft	60-65 ft	18-23 ft	18-23 ft	30-35 ft
Sample Date:		8/9/2010	8/9/2010	8/10/2010	8/10/2010	8/11/2010	8/25/2010	8/25/2010	8/25/2010	8/25/2010	8/25/2010	8/25/2010	8/10/2010	8/10/2010	8/11/2010
Parent Sample:														OU2MW-31I	
BTEX (ug/L)															
Benzene	1	10 U	10 U	10 U	10 U	**9 J**	10 U	10 U	10 U	10 U	**1 J**	**1 J**	10 U	10 U	**2 J**
Toluene	5	10 U	**3 J**	10 U	10 U	**20**	10 U	10 U	10 U	**6 J**	**15**	**10**	10 U	10 U	10 U
Ethylbenzene	5	10 U	**86**	10 U	10 U	**20**	10 U	10 U	10 U	**3 J**	**11**	10 U	10 U	10 U	10 U
Xylene, m,p-	5	10 U	**110**	10 U	**1 J**	**42**	10 U	10 U	**1 J**	**9 J**	**59**	**170**	10 U	10 U	10 U
Xylene, o-	5	10 U	**65**	10 U	**2 J**	**97**	10 U	10 U	**2 J**	**19**	**51**	**120**	10 U	10 U	10 U
Total BTEX	NE	ND	**264**	ND	**3**	**188**	ND	ND	**3**	**37**	**137**	**301**	ND	ND	**2**
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 U	10 U	10 U	10 U
Acetone	50	**1 J**	**4 J**	10 U	**2 J**	10 U	10 U	10 U	**3 J**	10 U	**5 J**	**7 J**	**2 J**	10 U	**2 J**
Allyl 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
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
Bromoform	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	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Butadiene, 1,3-	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
Butanone, 2-	50	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
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
Carbon tetrachloride	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
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	10 U	10 U	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	**2 J**	**20**	**20**	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
Chlorotoluene	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
Cryofluorane	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
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
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
Dibromoethane, 1,2-	0.0006	10 U	10 U	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, 1,3-	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 U	10 U	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, 1,1-	5	10 U	10 U	10 U	10 U	**1 J**	10 U	10 U	10 U	10 U	10 U	**1 J**	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 U	10 U	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 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloropropene, cis-1,3	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
Dichloropropene, trans-1,3	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
Dioxane, 1,4-	NE	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U
Ethanol	NE	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U
Heptane, 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
Hexachlorobutadiene	0.5	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
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
Hexanone, 2-	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
Isopropyl benzene	5	10 U	**21**	10 U	10 U	**18**	10 U	10 U	10 U	10 U	**4 J**	**15**	10 U	10 U	10 U
Methyl tert-butyl ether	10	**2 J**	**15**	10 U	**8 J**	**7 J**	10 U	**2 J**	**2 J**	**4 J**	**10**	**43**	10 U	10 U	10 U
Methyl-2-pentanone, 4-	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
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	**4600 D**	10 U	**6 J**	**2300 D**	10 U	**4 J**	**3 J**	**8 J**	**140**	**3500 D**	10 U	10 U	10 U
Propanol, 2-	NE	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U
Propylbenzene, n-	5	10 U	**21**	10 U	10 U	**11**	10 U	10 U	10 U	10 U	**5 J**	**18**	10 U	10 U	10 U
Styrene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**2 J**	**29**	**32**	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	10 U	10 U
Tetrachloroethane,1,1,2,2-	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
Tetrachloroethene	5	10 U	**5 J**	10 U	**4 J**	10 U	10 U	10 U	10 U	10 U	**1 J**	10 U	10 U	10 U	10 U
Tetrahydrofuran	50	10 U	10 U	10 U	**3 J**	10 U	10 U	10 U	10 U	10 U	10 U	**2 J**	10 U	10 U	10 U
Trans-1,2-dichloroethene	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
Trichloro-1,2,2-trifluoroethane, 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	10 U	10 U

Table 4-11
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:	NYS AWQS	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2
Sample Name:		OU2MW-28I	OU2MW-28I2	OU2MW-29I	OU2MW-29I2	OU2MW-29D	OU2MW-30S	OU2MW-30I	OU2MW-30I2	OU2MW-30I3	OU2MW-30D	OU2MW-30D2	OU2MW-31I	DUP-08 Q3	OU2MW-31I2
Screened Interval:		28-33 ft	40-45 ft	18-23 ft	30-35 ft	45-50 ft	5-15 ft	25-30 ft	30-35 ft	45-50 ft	50-55 ft	60-65 ft	18-23 ft	18-23 ft	30-35 ft
Sample Date:		8/9/2010	8/9/2010	8/10/2010	8/10/2010	8/11/2010	8/25/2010	8/25/2010	8/25/2010	8/25/2010	8/25/2010	8/25/2010	8/10/2010	8/10/2010	8/11/2010
Parent Sample:														OU2MW-31I	
Trichlorobenzene, 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
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
Trichloroethane, 1,1,2-	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
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
Trichlorofluoromethane	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	5	10 U	**210**	10 U	**11**	**25**	10 U	10 U	**11**	**12**	**31**	**160**	10 U	10 U	10 U
Trimethylbenzene, 1,2,4-	5	10 U	**200 DJ**	10 U	**7 J**	**18**	10 U	**2 J**	**10**	**1 J**	**42**	**280 DJ**	10 U	10 U	10 U
Trimethylpentane, 2,2,4-	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
Vinyl acetate	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
Vinyl chloride	2	10 U	10 U	10 U	10 U	10 U	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	**20**	10 U	**6 J**	**17**	10 U	10 U	10 U	**1 J**	10 U	**9 J**	10 U	10 U	10 U
Acenaphthylene	NE	10 U	**200 DJ**	10 U	**5 J**	**200 DJ**	10 U	10 U	**6 J**	**15**	**3 J**	**130 DJ**	10 U	10 U	10 U
Anthracene	50	10 U	**3 J**	10 U	10 U	**3 J**	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	**2 J**	10 U	10 U	10 U
Fluorene	50	10 U	**45**	10 U	**2 J**	**3 J**	10 U	10 U	**1 J**	**2 J**	10 U	**3 J**	10 U	10 U	10 U
Methylnaphthalene, 2-	NE	10 U	**500 DJ**	10 U	**2 J**	**26**	10 U	10 U	**5 J**	**7 J**	10 U	**160 DJ**	10 U	10 U	10 U
Naphthalene	10	10 U	**3600 D**	10 U	10 U	**2000 D**	10 U	10 U	**1 J**	**46**	**3 J**	**2000 D**	10 U	10 U	10 U
Phenanthrene	50	10 U	**46**	10 U	10 U	**29**	10 U	10 U	10 U	**2 J**	10 U	**8 J**	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
Total Noncarcinogenic PAHs	NE	ND	**4414**	ND	**15**	**2278**	ND	ND	**13**	**73**	**6**	**2312**	ND	ND	ND
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 Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)															
Total PAHs	NE	ND	**4414**	ND	**15**	**2278**	ND	ND	**13**	**73**	**6**	**2312**	ND	ND	ND
Total Metals (ug/L)															
Aluminum	NE	**49.9 B**	**40.1 B**	**65.3 B**	**22.9 B**	**25.6 B**	**43.8 B**	**43.4 B**	**71.2 B**	**82.8 B**	**104 B**	**53.1 B**	**51.3 B**	**48.7 B**	**23.8 B**
Antimony	3	2.9 U	**5.5 B**	2.9 U	2.9 U	2.9 U	**9.3 B**	2.9 U	2.9 U	2.9 U	2.9 U	**3.9 B**	2.9 U	2.1 U	2.9 U
Arsenic	25	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.3 U	2.5 U
Barium	1000	**59.6 B**	**30.7 B**	**60.7 B**	**90.9 B**	**22.8 B**	**5.9 B**	**35.8 B**	**27.4 B**	**20.8 B**	**24.2 B**	**25.9 B**	**31.1 B**	**30.4 B**	**74.7 B**
Beryllium	3	**0.26 B**	**0.53 B**	**0.23 B**	**0.19 B**	**0.2 B**	**0.67 B**	**0.32 B**	**0.25 B**	**0.27 B**	**0.3 B**	**0.38 B**	**0.18 B**	**0.28 B**	**0.19 B**
Cadmium	5	0.33 U	**0.41 B**	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.34 U	0.33 U
Calcium	NE	**32800**	**16900**	**43300**	**32900**	**11100**	**25000**	**31300**	**25800**	**15000**	**9050**	**12300**	**49300**	**48200**	**40700**
Chromium	50	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	0.44 U	2.3 U
Cobalt	NE	1.4 U	1.4 U	**4.3 B**	**3.1 B**	**2.2 B**	1.4 U	**1.7 B**	1.4 U	**1.5 B**	**1.9 B**	**8.4 B**	**1.8 B**	**1.4 B**	**2.8 B**
Copper	200	**2.4 B**	**2 B**	**1.4 B**	**6.3 B**	0.64 U	**3.6 B**	**4.2 B**	**2.7 B**	0.64 U	0.64 U	0.64 U	**3.2 B**	**2.9 B**	**1.9 B**
Iron	300	**409**	**192**	**1890**	**130**	**20300**	**87.7 B**	**132**	**76.6 B**	**55.4 B**	**60.8 B**	**273**	**117**	**112**	**207**
Lead	25	1.3 U	**2.6 B**	**1.6 B**	1.3 U	**4.4**	1.3 UN	**1.9 BN**	**1.9 B**	**1.7 B**	**2 B**	**4.7 N**	**1.6 B**	1.8 U	1.3 U
Magnesium	35000	**5360**	**5450**	**4670 B**	**6580**	**3570 B**	**4910 B**	**4450 B**	**3250 B**	**2640 B**	**2330 B**	**4680 B**	**5600**	**5470**	**7340**
Manganese	300	**5030**	**7720**	**1050**	**4510**	**8740**	**3.6 B**	**917**	**1180**	**3230**	**1490**	**19000**	**291**	**285**	**4620**
Mercury	0.7	0.1 UN	0.1 UN	0.1 UN	0.1 UN	0.1 UN	0.1 UN	0.1 UN	0.1 U	0.1 U	0.1 U	0.1 UN	0.1 UN	0.1 UN	0.1 UN
Nickel	100	**2.2 B**	**8 B**	**14.6 B**	**10.5 B**	**2 B**	**1.8 B**	**15.5 B**	**6.9 B**	**3.6 B**	**3.7 B**	**8.4 B**	**2.4 B**	**3.3 B**	**10.8 B**
Potassium	NE	**5230**	**3680 B**	**4370 B**	**4560 B**	**1960 B**	**2080 B**	**4470 B**	**2820 BE**	**3520 BE**	**3800 BE**	**2980 B**	**12600**	**11100**	**4560 B**
Selenium	10	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	**5.1**	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.5 U	2.8 U
Silver	50	**1.2 B**	**0.88 B**	**0.99 B**	**0.91 B**	**1.3 B**	**0.56 BN**	**0.48 BN**	**0.57 BN**	**0.64 BN**	**0.61 BN**	**1.8 BN**	**0.43 B**	**0.63 B**	**1 B**
Sodium	20000	**63700**	**62200**	**43300**	**48200**	**25200**	**9000**	**44600**	**35300**	**50900**	**52600**	**33600**	**68900**	**66600**	**64500**
Thallium	0.5	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3.2 U	3 U
Vanadium	NE	1.1 U	1.1 U	1.1 U	1.1 U	**1.2 B**	**24 B**	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	**1.3 B**	**1.5 B**	1.1 U
Zinc	2000	**23.3**	**8.7 B**	**13.6 B**	**8.8 B**	2.4 U	**19.8 B**	**14.5 B**	**11.3 B**	**6.4 B**	**9.8 B**	2.4 U	**13.2 B**	**17.8 B**	**5.2 B**

Table 4-11
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
Sample Name:	NYS	OU2MW-28I	OU2MW-28I2	OU2MW-29I	OU2MW-29I2	OU2MW-29D	OU2MW-30S	OU2MW-30I	OU2MW-30I2	OU2MW-30I3	OU2MW-30D	OU2MW-30D2	OU2MW-31I	DUP-08 Q3	OU2MW-31I2
Screened Interval:	AWQS	28-33 ft	40-45 ft	18-23 ft	30-35 ft	45-50 ft	5-15 ft	25-30 ft	30-35 ft	45-50 ft	50-55 ft	60-65 ft	18-23 ft	18-23 ft	30-35 ft
Sample Date:		8/9/2010	8/9/2010	8/10/2010	8/10/2010	8/11/2010	8/25/2010	8/25/2010	8/25/2010	8/25/2010	8/25/2010	8/25/2010	8/10/2010	8/10/2010	8/11/2010
Parent Sample:														OU2MW-31I	
Other (ug/L)															
Alkalinity	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Ammonia	2000	**330**	**170**	100 U	**780**	**270**	100 U	**960**	**450**	**620**	**300**	**190**	**130**	100 U	**200**
Nitrogen, Nitrate	10000	100 U	100 U	**540**	100 U	100 U	**1640**	100 U	**360**	100 U	100 U	100 U	**310**	**300**	100 U
Nitrogen, Nitrite	1000	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Nitrogen, Total	NE	**930**	**510**	**1060**	**1510**	**670**	**1980**	**1580**	**1310**	**1070**	**660**	**400**	**810**	**920**	**620**
Nitrogen, Total Kjeldahl	NE	**930**	**510**	**520**	**1510**	**670**	**340**	**1580**	**950**	**1070**	**660**	**410**	**500**	**620**	**620**
Sulfate	250000	**18400**	**48800**	**82900**	**42600**	**21600**	**24700**	**53300**	**46100**	**49800**	**49900**	**19900**	**44200**	**45200**	**62300**
Sulfide	50	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U
Total Phosphorous	NE	**60**	50 U	50 U	50 U	**120**	**180**	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Other (cfu/mL)															
Standard Plate Count	NE	**49**	**210**	**220**	**2600**	**120**	**130**	**200**	**270**	**660**	**240**	**4200**	**220**	**300**	**680**

Table 4-11
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:	NYS AWQS	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2
Sample Name:		OU2MW-32S	OU2MW-32I	OU2MW-32I2	OU2MW-32D	OU2MW-33S	OU2MW-33I	OU2MW-33I2	OU2MW-33D	OU2MW-34S	DUP-05 Q3	OU2MW-34I	OU2MW-34I2	OU2MW-35S	OU2MW-35I
Screened Interval:		5-15 ft	20-25 ft	30-35 ft	40-45 ft	5-15 ft	25-30 ft	35-40 ft	50-55 ft	5-15 ft	5-15 ft	25-30 ft	45-50 ft	5-15 ft	25-30 ft
Sample Date:		8/10/2010	8/10/2010	8/9/2010	8/9/2010	7/20/2010	7/20/2010	7/20/2010	7/20/2010	7/20/2010	7/20/2010	7/16/2010	7/16/2010	8/12/2010	8/12/2010
Parent Sample:											OU2MW-34S				
BTEX (ug/L)															
Benzene	1	10 U	**220 D**	10 U	10 U	10 U	**2 J**	10 U	10 U	10 U	10 U	**170**	10 U	10 U	10 U
Toluene	5	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	10 U
Ethylbenzene	5	10 U	**160**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**36**	10 U	10 U	10 U
Xylene, m,p-	5	10 U	10 U	**1 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**2 J**	10 U	10 U	10 U
Xylene, o-	5	10 U	**18**	**1 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**3 J**	10 U	10 U	10 U
Total BTEX	NE	ND	**399**	**2**	ND	ND	**2**	ND	ND	ND	ND	**211**	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 UJ	10 UJ	10 UJ	10 U	10 U
Acetone	50	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	10 U
Allyl chloride	5	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	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	10 U	10 U	10 U
Bromoform	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	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Butadiene, 1,3-	NE	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U
Butanone, 2-	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
Carbon disulfide	60	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U
Carbon tetrachloride	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
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	10 U	10 U	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	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 UJ	10 UJ	10 U	10 U
Chlorotoluene	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
Cryofluorane	NE	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U
Cyclohexane	NE	10 U	**2 J**	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	**2 J**	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	10 U	10 U	10 U
Dibromoethane, 1,2-	0.0006	10 U	10 U	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, 1,3-	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 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	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 UJ	10 UJ	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 U	10 U	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 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloropropene, cis-1,3	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
Dichloropropene, trans-1,3	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
Dioxane, 1,4-	NE	500 U	500 U	500 U	500 U	500 U	R	R	R	R	R	R	R	500 U	500 U
Ethanol	NE	500 U	500 U	500 U	500 U	500 U	R	R	R	R	R	R	R	500 U	500 U
Heptane, n-	NE	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U
Hexachlorobutadiene	0.5	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U
Hexane, n-	NE	10 U	**3 J**	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U
Hexanone, 2-	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
Isopropyl benzene	5	10 U	**10**	10 U	10 U	10 U	**1 J**	10 U	10 U	10 U	10 U	**1 J**	10 U	10 U	10 U
Methyl tert-butyl ether	10	10 U	10 U	**1 J**	**3 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**2 J**	10 U	10 U
Methyl-2-pentanone, 4-	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
Methylene chloride	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	10 U	10 U
Naphthalene	10	**1 J**	**53**	**52**	**2 J**	10 U	10 U	10 U	10 U	10 U	10 U	**1 J**	10 UJ	10 U	10 U
Propanol, 2-	NE	500 U	500 U	500 U	500 U	500 U	R	R	R	R	R	R	R	500 U	500 U
Propylbenzene, n-	5	10 U	**5 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
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
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	10 U	10 U
Tetrachloroethane,1,1,2,2-	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
Tetrachloroethene	5	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
Tetrahydrofuran	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
Trans-1,2-dichloroethene	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	10 U	10 U
Trichloro-1,2,2-trifluoroethane, 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	10 U	10 U

Table 4-11
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:	NYS AWQS	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2
Sample Name:		OU2MW-32S	OU2MW-32I	OU2MW-32I2	OU2MW-32D	OU2MW-33S	OU2MW-33I	OU2MW-33I2	OU2MW-33D	OU2MW-34S	DUP-05 Q3	OU2MW-34I	OU2MW-34I2	OU2MW-35S	OU2MW-35I
Screened Interval:		5-15 ft	20-25 ft	30-35 ft	40-45 ft	5-15 ft	25-30 ft	35-40 ft	50-55 ft	5-15 ft	5-15 ft	25-30 ft	45-50 ft	5-15 ft	25-30 ft
Sample Date:		8/10/2010	8/10/2010	8/9/2010	8/9/2010	7/20/2010	7/20/2010	7/20/2010	7/20/2010	7/20/2010	7/20/2010	7/16/2010	7/16/2010	8/12/2010	8/12/2010
Parent Sample:											OU2MW-34S				
Trichlorobenzene, 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
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
Trichloroethane, 1,1,2-	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
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
Trichlorofluoromethane	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	10 U	10 U
Trimethylbenzene 1,3,5-/P-ethyltoluene	5	10 U	**11**	**2 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene, 1,2,4-	5	10 U	**50**	**6 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**8**	10 U	10 U	10 U
Trimethylpentane, 2,2,4-	NE	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U
Vinyl acetate	NE	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U
Vinyl chloride	2	10 U	10 U	10 U	10 U	10 U	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	**72**	**9 J**	10 U	10 U	**2 J**	10 U	10 U	10 U	10 U	**7**	10 U	10 U	10 U
Acenaphthylene	NE	10 U	**42**	**71**	**2 J**	10 U	**4 J**	10 U	10 U	10 U	10 U	**4 J**	10 U	10 U	10 U
Anthracene	50	10 U	**2 J**	**3 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**4 J**	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	**1 J**	10 U	10 U	10 U
Fluorene	50	10 U	**29**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**4 J**	10 U	10 U	10 U
Methylnaphthalene, 2-	NE	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
Naphthalene	10	10 U	**23**	**33**	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	**31**	**16**	10 U	10 U	**4 J**	10 U	10 U	10 U	10 U	**31**	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	**2 J**	10 U	10 U	10 U
Total Noncarcinogenic PAHs	NE	ND	**202**	**132**	**2**	ND	**10**	ND	ND	ND	ND	**53**	ND	ND	ND
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 Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)															
Total PAHs	NE	ND	**202**	**132**	**2**	ND	**10**	ND	ND	ND	ND	**53**	ND	ND	ND
Total Metals (ug/L)															
Aluminum	NE	**22.5 B**	**14.4 B**	**26.1 B**	**17.7 B**	NA	NA	NA	NA	NA	NA	NA	NA	**34 B**	**36.7 B**
Antimony	3	2.9 U	2.9 U	2.9 U	2.9 U	NA	NA	NA	NA	NA	NA	NA	NA	2.9 U	2.9 U
Arsenic	25	2.5 U	**4.7 B**	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U
Barium	1000	**9.9 B**	**26.7 B**	**56.4 B**	**48.6 B**	NA	NA	NA	NA	NA	NA	NA	NA	**11.2 B**	**21.5 B**
Beryllium	3	0.17 U	**0.18 B**	0.17 U	0.17 U	NA	NA	NA	NA	NA	NA	NA	NA	0.17 U	0.17 U
Cadmium	5	0.33 U	0.33 U	0.33 U	0.33 U	NA	NA	NA	NA	NA	NA	NA	NA	0.33 U	0.33 U
Calcium	NE	**18400**	**57300**	**26500**	**23000**	NA	NA	NA	NA	NA	NA	NA	NA	**46000**	**32400**
Chromium	50	2.3 U	2.3 U	2.3 U	2.3 U	NA	NA	NA	NA	NA	NA	NA	NA	2.3 U	2.3 U
Cobalt	NE	1.4 U	1.4 U	**15.2 B**	**8.1 B**	NA	NA	NA	NA	NA	NA	NA	NA	1.4 U	1.4 U
Copper	200	**0.83 B**	0.64 U	0.64 U	**4.8 B**	NA	NA	NA	NA	NA	NA	NA	NA	**2.7 B**	**5.9 B**
Iron	300	**112**	**52300**	**20700**	**100**	NA	NA	NA	NA	NA	NA	NA	NA	**73.9 B**	**40.5 B**
Lead	25	1.3 U	**8.1**	**3.2**	1.3 U	NA	NA	NA	NA	NA	NA	NA	NA	1.3 U	**1.5 B**
Magnesium	35000	**4020 B**	**8140**	**4210 B**	**4080 B**	NA	NA	NA	NA	NA	NA	NA	NA	**5820**	**5090**
Manganese	300	**44.8**	**975**	**1440**	**3500**	NA	NA	NA	NA	NA	NA	NA	NA	**17.2**	**2690**
Mercury	0.7	0.1 UN	0.1 UN	0.1 UN	0.1 UN	NA	NA	NA	NA	NA	NA	NA	NA	0.1 U	0.1 U
Nickel	100	1.5 U	1.5 U	**1.9 B**	**7.8 B**	NA	NA	NA	NA	NA	NA	NA	NA	**6.7 B**	1.5 U
Potassium	NE	**2130 B**	**4360 B**	**4560 B**	**3980 B**	NA	NA	NA	NA	NA	NA	NA	NA	**2680 B**	**4170 B**
Selenium	10	2.8 U	2.8 U	2.8 U	2.8 U	NA	NA	NA	NA	NA	NA	NA	NA	2.8 U	2.8 U
Silver	50	**0.59 B**	**0.65 B**	**0.78 B**	**0.96 B**	NA	NA	NA	NA	NA	NA	NA	NA	0.32 UN	**0.52 BN**
Sodium	20000	**43700**	**22900**	**59200**	**36000**	NA	NA	NA	NA	NA	NA	NA	NA	**8560**	**51200**
Thallium	0.5	3 U	3 U	3 U	3 U	NA	NA	NA	NA	NA	NA	NA	NA	3 U	3 U
Vanadium	NE	1.1 U	**2.2 B**	**1.4 B**	1.1 U	NA	NA	NA	NA	NA	NA	NA	NA	**1.6 B**	1.1 U
Zinc	2000	**16.3 B**	**11.4 B**	**9.4 B**	**19.9 B**	NA	NA	NA	NA	NA	NA	NA	NA	**26.7**	**19.8 B**

Table 4-11
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:	NYS AWQS	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2
Sample Name:		OU2MW-32S	OU2MW-32I	OU2MW-32I2	OU2MW-32D	OU2MW-33S	OU2MW-33I	OU2MW-33I2	OU2MW-33D	OU2MW-34S	DUP-05 Q3	OU2MW-34I	OU2MW-34I2	OU2MW-35S	OU2MW-35I
Screened Interval:		5-15 ft	20-25 ft	30-35 ft	40-45 ft	5-15 ft	25-30 ft	35-40 ft	50-55 ft	5-15 ft	5-15 ft	25-30 ft	45-50 ft	5-15 ft	25-30 ft
Sample Date:		8/10/2010	8/10/2010	8/9/2010	8/9/2010	7/20/2010	7/20/2010	7/20/2010	7/20/2010	7/20/2010	7/20/2010	7/16/2010	7/16/2010	8/12/2010	8/12/2010
Parent Sample:											OU2MW-34S				
Other (ug/L)															
Alkalinity	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Ammonia	2000	100 U	**590**	**110**	100 U	NA	NA	NA	NA	NA	NA	NA	NA	100 U	100 U
Nitrogen, Nitrate	10000	**1440**	100 U	100 U	**3750**	NA	NA	NA	NA	NA	NA	NA	NA	**850**	**340**
Nitrogen, Nitrite	1000	100 U	100 U	100 U	100 U	NA	NA	NA	NA	NA	NA	NA	NA	100 U	100 U
Nitrogen, Total	NE	**1730**	**1210**	**390**	**3750**	NA	NA	NA	NA	NA	NA	NA	NA	**1200**	**670**
Nitrogen, Total Kjeldahl	NE	**290**	**1210**	**390**	100 U	NA	NA	NA	NA	NA	NA	NA	NA	**350**	**330**
Sulfate	250000	**6650**	**48800**	**24400**	**23800**	NA	NA	NA	NA	NA	NA	NA	NA	**50700**	**54200**
Sulfide	50	2000 U	2000 U	2000 U	2000 U	NA	NA	NA	NA	NA	NA	NA	NA	2000 U	2000 U
Total Phosphorous	NE	50 U	50 U	50 U	50 U	NA	NA	NA	NA	NA	NA	NA	NA	**60**	50 U
Other (cfu/mL)															
Standard Plate Count	NE	**100**	**340**	**80**	**17**	NA	NA	NA	NA	NA	NA	NA	NA	**47**	**11**

Table 4-11
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
Sample Name:	NYS	OU2MW-35I2	OU2MW-35D	OU2MW-36S	DUP-11 Q3	OU2MW-36I	OU2MW-36I2	OU2MW-36D	OU2MW-37S	OU2MW-37I	OU2MW-37I2	OU2MW-37D	OU2MW-38S	OU2MW-38I	OU2MW-38I2
Screened Interval:	AWQS	45-50 ft	57-62 ft	5-15 ft	5-15 ft	25-30 ft	45-50 ft	61-66 ft	5-15 ft	25-30 ft	45-50 ft	67-72 ft	5-15 ft	25-30 ft	46-51 ft
Sample Date:		8/12/2010	8/12/2010	8/13/2010	8/13/2010	8/13/2010	8/12/2010	8/12/2010	8/11/2010	8/11/2010	8/11/2010	8/11/2010	8/17/2010	8/17/2010	8/17/2010
Parent Sample:					OU2MW-36S										
BTEX (ug/L)															
Benzene	1	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**120**	10 U	10 U	10 U	10 U	**180**
Toluene	5	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	10 U
Ethylbenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**170**	10 U	10 U	10 U	10 U	**2 J**
Xylene, m,p-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**7 J**	10 U	10 U	10 U	10 U	**5 J**
Xylene, o-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**39**	10 U	10 U	10 U	**6 J**	**10**
Total BTEX	NE	ND	ND	ND	ND	ND	ND	ND	ND	**338**	ND	ND	ND	**6**	**197**
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 U	10 U	10 U	10 U
Acetone	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	**1 J**	10 U
Allyl 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
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
Bromoform	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	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Butadiene, 1,3-	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
Butanone, 2-	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
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
Carbon tetrachloride	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
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	10 U	10 U	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	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
Chlorotoluene	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
Cryofluorane	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
Cyclohexane	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**12**	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
Dibromoethane, 1,2-	0.0006	10 U	10 U	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, 1,3-	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 U	10 U	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, 1,1-	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 U	10 U	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 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloropropene, cis-1,3	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
Dichloropropene, trans-1,3	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
Dioxane, 1,4-	NE	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U
Ethanol	NE	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U
Heptane, 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
Hexachlorobutadiene	0.5	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
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
Hexanone, 2-	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
Isopropyl benzene	5	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	**1 J**
Methyl tert-butyl ether	10	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	**2 J**
Methyl-2-pentanone, 4-	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
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 U	10 U	10 U	10 U	10 U	10 U	10 U	**100**	10 U	10 U	10 U	**1 J**	**6 J**
Propanol, 2-	NE	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U
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
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	10 U	10 U
Tetrachloroethane,1,1,2,2-	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
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 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trans-1,2-dichloroethene	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
Trichloro-1,2,2-trifluoroethane, 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	10 U	10 U

Table 4-11
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:	NYS AWQS	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2
Sample Name:		OU2MW-35I2	OU2MW-35D	OU2MW-36S	DUP-11 Q3	OU2MW-36I	OU2MW-36I2	OU2MW-36D	OU2MW-37S	OU2MW-37I	OU2MW-37I2	OU2MW-37D	OU2MW-38S	OU2MW-38I	OU2MW-38I2
Screened Interval:		45-50 ft	57-62 ft	5-15 ft	5-15 ft	25-30 ft	45-50 ft	61-66 ft	5-15 ft	25-30 ft	45-50 ft	67-72 ft	5-15 ft	25-30 ft	46-51 ft
Sample Date:		8/12/2010	8/12/2010	8/13/2010	8/13/2010	8/13/2010	8/12/2010	8/12/2010	8/11/2010	8/11/2010	8/11/2010	8/11/2010	8/17/2010	8/17/2010	8/17/2010
Parent Sample:					OU2MW-36S										
Trichlorobenzene, 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
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
Trichloroethane, 1,1,2-	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
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
Trichlorofluoromethane	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	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**9 J**	10 U	10 U	10 U	**8 J**	**3 J**
Trimethylbenzene, 1,2,4-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**10**	10 U	10 U	10 U	10 U	**6 J**
Trimethylpentane, 2,2,4-	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
Vinyl acetate	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
Vinyl chloride	2	10 U	10 U	10 U	10 U	10 U	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	**12**	10 U	10 U	10 U	10 U	**8 J**
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**7 J**	10 U	10 U	10 U	10 U	**9 J**
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	**7 J**
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	**45**	10 U	10 U	10 U	10 U	**2 J**
Phenanthrene	50	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
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
Total Noncarcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	**65**	ND	ND	ND	ND	**26**
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 Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)															
Total PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	**65**	ND	ND	ND	ND	**26**
Total Metals (ug/L)															
Aluminum	NE	**32.3 B**	**182 B**	**36.9 B**	**27.7 B**	**29.8 B**	**45.8 B**	**33 B**	**24.1 B**	**21.3 B**	**26.8 B**	**60.2 B**	NA	NA	NA
Antimony	3	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	NA	NA	NA
Arsenic	25	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	**7.9 B**	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA
Barium	1000	**38.2 B**	**88.6 B**	**17 B**	**16.1 B**	**60 B**	**65.9 B**	**41.2 B**	**9.7 B**	**44.2 B**	**88.7 B**	**30.6 B**	NA	NA	NA
Beryllium	3	0.17 U	**0.24 B**	0.17 U	0.17 U	0.17 U	**0.19 B**	**0.21 B**	**0.18 B**	0.17 U	**0.19 B**	**0.41 B**	NA	NA	NA
Cadmium	5	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	**2 B**	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	NA	NA	NA
Calcium	NE	**18000**	**43700**	**34000**	**33800**	**37800**	**18500**	**12800**	**31200**	**46700**	**13500**	**13100**	NA	NA	NA
Chromium	50	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	NA	NA	NA
Cobalt	NE	**17.6 B**	**4.6 B**	1.4 U	1.4 U	**1.6 B**	**96**	**2 B**	1.4 U	1.4 U	**3.4 B**	1.4 U	NA	NA	NA
Copper	200	**2 B**	**5.5 B**	**1.9 B**	**1.8 B**	**2.6 B**	**2.5 B**	0.64 U	**2.7 B**	**4.8 B**	**0.88 B**	0.64 U	NA	NA	NA
Iron	300	**38.3 B**	**154**	**40.3 B**	**25.9 B**	**41.1 B**	**46.4 B**	**18300**	**89.5 B**	**89.2 B**	**87.9 B**	**13400**	NA	NA	NA
Lead	25	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	**2.7 B**	**1.5 B**	1.3 U	1.3 U	**2.3 B**	NA	NA	NA
Magnesium	35000	**7190**	**17000**	**4030 B**	**3990 B**	**6500**	**7110**	**5000 B**	**3160 B**	**9110**	**3320 B**	**4460 B**	NA	NA	NA
Manganese	300	**723**	**1150**	**1.6 B**	**0.99 B**	**2630**	**913**	**358**	**3.3 B**	**2210**	**2140**	**389**	NA	NA	NA
Mercury	0.7	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 UN	0.1 UN	0.1 UN	0.1 UN	NA	NA	NA
Nickel	100	**8 B**	**9 B**	1.5 U	1.5 U	**2.1 B**	**13.8 B**	**9 B**	**19 B**	**2.4 B**	**3.5 B**	**1.7 B**	NA	NA	NA
Potassium	NE	**2160 B**	**4280 B**	**2750 B**	**2760 B**	**5750**	**1970 B**	**1820 B**	**3430 B**	**3980 B**	**5280**	**1540 B**	NA	NA	NA
Selenium	10	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	NA	NA	NA
Silver	50	0.32 UN	0.32 UN	0.32 UN	0.32 UN	**0.38 BN**	0.32 UN	0.32 UN	**0.68 B**	**0.85 B**	**0.81 B**	**0.79 B**	NA	NA	NA
Sodium	20000	**22900**	**71100**	**14500**	**14300**	**68100**	**29100**	**25600**	**14300**	**44700**	**35900**	**26900**	NA	NA	NA
Thallium	0.5	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	NA	NA	NA
Vanadium	NE	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	**1.5 B**	1.1 U	1.1 U	1.1 U	1.1 U	NA	NA	NA
Zinc	2000	**28.6**	**52.9**	**22.4**	**22.3**	**8.8 B**	**44.3**	**11.3 B**	**29.4**	**20.4**	**9.1 B**	**21.8**	NA	NA	NA

Table 4-11
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:	NYS AWQS	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2
Sample Name:		OU2MW-35I2	OU2MW-35D	OU2MW-36S	DUP-11 Q3	OU2MW-36I	OU2MW-36I2	OU2MW-36D	OU2MW-37S	OU2MW-37I	OU2MW-37I2	OU2MW-37D	OU2MW-38S	OU2MW-38I	OU2MW-38I2
Screened Interval:		45-50 ft	57-62 ft	5-15 ft	5-15 ft	25-30 ft	45-50 ft	61-66 ft	5-15 ft	25-30 ft	45-50 ft	67-72 ft	5-15 ft	25-30 ft	46-51 ft
Sample Date:		8/12/2010	8/12/2010	8/13/2010	8/13/2010	8/13/2010	8/12/2010	8/12/2010	8/11/2010	8/11/2010	8/11/2010	8/11/2010	8/17/2010	8/17/2010	8/17/2010
Parent Sample:					OU2MW-36S										
Other (ug/L)															
Alkalinity	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Ammonia	2000	100 U	**270**	100 U	**150**	100 U	100 U	100 U	100 U	**120**	**1680**	**150**	NA	NA	NA
Nitrogen, Nitrate	10000	100 U	100 U	**2040**	**2040**	**190**	100 U	100 U	**2160**	100 U	**5160**	100 U	NA	NA	NA
Nitrogen, Nitrite	1000	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	NA	NA	NA
Nitrogen, Total	NE	**320**	**320**	**2360**	**2320**	**630**	**260**	**210**	**2670**	**410**	**6540**	**240**	NA	NA	NA
Nitrogen, Total Kjeldahl	NE	**320**	**320**	**320**	**280**	**440**	**260**	**210**	**510**	**410**	**1380**	**240**	NA	NA	NA
Sulfate	250000	**83100**	**315000**	**11000**	**11000**	**83700**	**82900**	**102000**	**11300**	**11200**	**34300**	**115000**	NA	NA	NA
Sulfide	50	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	NA	NA	NA
Total Phosphorous	NE	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	NA	NA	NA
Other (cfu/mL)															
Standard Plate Count	NE	**6**	**99**	**21**	**20**	**77**	**10**	**35**	**650**	**89**	**130**	**83**	NA	NA	NA

Table 4-11
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
Sample Name:	NYS	OU2MW-38D	OU2MW-39S	OU2MW-39I	OU2MW-39I2	OU2MW-39D	OU2MW-40S	OU2MW-40I	OU2MW-41S	OU2MW-41I	OU2MW-42S	OU2MW-42I	OU2MW-42I2	OU2MW-42D	OU2MW-43S
Screened Interval:	AWQS	56-61 ft	5-15 ft	25-30 ft	45-50 ft	70-75 ft	5-15 ft	18-23 ft	5-15 ft	18-23 ft	5-15 ft	25-30 ft	45-50 ft	60-65 ft	5-15 ft
Sample Date:		8/17/2010	8/17/2010	8/17/2010	8/17/2010	8/17/2010	8/11/2010	8/11/2010	8/12/2010	8/12/2010	8/13/2010	8/12/2010	8/12/2010	8/12/2010	7/16/2010
Parent Sample:															
BTEX (ug/L)															
Benzene	1	**63**	10 U	10 U	**14**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	5	**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	10 U
Ethylbenzene	5	**7 J**	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
Xylene, m,p-	5	**6 J**	10 U	10 U	**6 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**3 J**	10 U
Xylene, o-	5	**3 J**	10 U	10 U	**6 J**	10 U	10 U	10 U	10 U	**1 J**	10 U	10 U	10 U	**15**	10 U
Total BTEX	NE	**80**	ND	ND	**26**	ND	ND	ND	ND	**2**	ND	ND	ND	**18**	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 U	10 U	10 U	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	10 U	**4 J**	10 U
Allyl 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 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
Bromoform	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	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Butadiene, 1,3-	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
Butanone, 2-	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
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 UJ
Carbon tetrachloride	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
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	10 U	10 U	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	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 UJ
Chlorotoluene	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
Cryofluorane	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
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 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
Dibromoethane, 1,2-	0.0006	10 U	10 U	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, 1,3-	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 U	10 U	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, 1,1-	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
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 U	10 U	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 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloropropene, cis-1,3	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
Dichloropropene, trans-1,3	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
Dioxane, 1,4-	NE	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	R
Ethanol	NE	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	R
Heptane, 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 UJ
Hexachlorobutadiene	0.5	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
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 UJ
Hexanone, 2-	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
Isopropyl benzene	5	10 U	10 U	10 U	**3 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**1 J**	10 U
Methyl tert-butyl ether	10	10 U	10 U	10 U	**1 J**	10 U	10 U	10 U	10 U	10 U	10 U	**2 J**	**5 J**	10 U	**2 J**
Methyl-2-pentanone, 4-	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
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 UJ
Naphthalene	10	**51**	10 U	10 U	**87**	10 U	**4 J**	10 U	10 U	**26**	10 U	**4 J**	10 U	**86**	10 UJ
Propanol, 2-	NE	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	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	**1 J**	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	**2 J**	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	10 U	10 U
Tetrachloroethane,1,1,2,2-	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
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 U	10 U	**24**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**2 J**
Trans-1,2-dichloroethene	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
Trichloro-1,2,2-trifluoroethane, 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	10 U	10 U

Table 4-11
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
Sample Name:	NYS	OU2MW-38D	OU2MW-39S	OU2MW-39I	OU2MW-39I2	OU2MW-39D	OU2MW-40S	OU2MW-40I	OU2MW-41S	OU2MW-41I	OU2MW-42S	OU2MW-42I	OU2MW-42I2	OU2MW-42D	OU2MW-43S
Screened Interval:	AWQS	56-61 ft	5-15 ft	25-30 ft	45-50 ft	70-75 ft	5-15 ft	18-23 ft	5-15 ft	18-23 ft	5-15 ft	25-30 ft	45-50 ft	60-65 ft	5-15 ft
Sample Date:		8/17/2010	8/17/2010	8/17/2010	8/17/2010	8/17/2010	8/11/2010	8/11/2010	8/12/2010	8/12/2010	8/13/2010	8/12/2010	8/12/2010	8/12/2010	7/16/2010
Parent Sample:															
Trichlorobenzene, 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
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
Trichloroethane, 1,1,2-	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
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
Trichlorofluoromethane	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	5	**4 J**	10 U	10 U	**3 J**	10 U	10 U	10 U	10 U	**4 J**	10 U	10 U	10 U	**3 J**	10 U
Trimethylbenzene, 1,2,4-	5	**3 J**	10 U	10 U	**5 J**	10 U	10 U	10 U	10 U	**5 J**	10 U	10 U	10 U	**1 J**	10 U
Trimethylpentane, 2,2,4-	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
Vinyl acetate	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
Vinyl chloride	2	10 U	10 U	10 U	10 U	10 U	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	**4 J**	10 U	10 U	10 U	10 U	10 U	10 U	**2 J**	10 U	10 U	10 U
Acenaphthylene	NE	**5 J**	10 U	10 U	**9 J**	10 U	10 U	10 U	10 U	**1 J**	10 U	**5 J**	10 U	**5 J**	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	**6 J**	10 U	10 U	10 U	10 U	**1 J**	10 U	10 U	10 U	10 U	10 U
Methylnaphthalene, 2-	NE	**21**	10 U	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	**34**	10 U	10 U	**65**	10 U	10 U	10 U	10 U	**10**	10 U	10 U	10 U	**50**	10 U
Phenanthrene	50	10 U	10 U	10 U	**5 J**	10 U	10 U	10 U	10 U	**1 J**	10 U	10 U	10 U	**1 J**	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
Total Noncarcinogenic PAHs	NE	**60**	ND	ND	**89**	ND	ND	ND	ND	**13**	ND	**7**	ND	**56**	ND
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 Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)															
Total PAHs	NE	**60**	ND	ND	**89**	ND	ND	ND	ND	**13**	ND	**7**	ND	**56**	ND
Total Metals (ug/L)															
Aluminum	NE	NA	**36.1 B**	**72.6 B**	**93.4 B**	**95.5 B**	NA	NA	NA	NA	**46 B**	**21 B**	**34.4 B**	**5180**	NA
Antimony	3	NA	2.9 U	2.9 U	2.9 U	2.9 U	NA	NA	NA	NA	2.9 U	2.9 U	2.9 U	**3.1 B**	NA
Arsenic	25	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA
Barium	1000	NA	**8 B**	**66.3 B**	**54.5 B**	**68.7 B**	NA	NA	NA	NA	2.5 U	**19.1 B**	**36 B**	**15 B**	NA
Beryllium	3	NA	0.17 U	**0.55 B**	**0.27 B**	**0.52 B**	NA	NA	NA	NA	**0.18 B**	0.17 U	0.17 U	**2 B**	NA
Cadmium	5	NA	0.33 U	**0.44 B**	0.33 U	0.33 U	NA	NA	NA	NA	0.33 U	0.33 U	0.33 U	**0.58 B**	NA
Calcium	NE	NA	**23400**	**80000**	**12000**	**37900**	NA	NA	NA	NA	**53700**	**38400**	**14900**	**62500**	NA
Chromium	50	NA	2.3 U	2.3 U	2.3 U	2.3 U	NA	NA	NA	NA	2.3 U	2.3 U	2.3 U	**3.7 B**	NA
Cobalt	NE	NA	1.4 U	1.4 U	1.4 U	**1.4 B**	NA	NA	NA	NA	1.4 U	**2.2 B**	**8.5 B**	**36.4 B**	NA
Copper	200	NA	**3 B**	**5.7 B**	**0.72 B**	**2.1 B**	NA	NA	NA	NA	**5.1 B**	**6.4 B**	**7 B**	**32.1**	NA
Iron	300	NA	**45.4 B**	**52.7 B**	**805**	**26200**	NA	NA	NA	NA	**1330**	**1660**	**60.7 B**	**6240**	NA
Lead	25	NA	1.3 U	**2 B**	**1.6 B**	**4.4**	NA	NA	NA	NA	1.3 U	1.3 U	**1.4 B**	**4.4**	NA
Magnesium	35000	NA	**3160 B**	**27200**	**3870 B**	**13800**	NA	NA	NA	NA	**8490**	**7400**	**4990 B**	**22400**	NA
Manganese	300	NA	**4.8 B**	**205**	**816**	**632**	NA	NA	NA	NA	**26.2**	**237**	**1410**	**1970**	NA
Mercury	0.7	NA	0.1 U	0.1 U	0.1 U	0.1 U	NA	NA	NA	NA	0.1 U	0.1 U	0.1 U	0.1 U	NA
Nickel	100	NA	1.5 U	**7.8 B**	**1.7 B**	**9.6 B**	NA	NA	NA	NA	**1.6 B**	**2 B**	**4 B**	**97.6**	NA
Potassium	NE	NA	**3570 B**	**6780 E**	**3540 BE**	**2600 BE**	NA	NA	NA	NA	**4940 B**	**3970 B**	**3810 B**	**4790 B**	NA
Selenium	10	NA	2.8 U	2.8 U	2.8 U	2.8 U	NA	NA	NA	NA	2.8 U	2.8 U	2.8 U	2.8 U	NA
Silver	50	NA	0.32 UN	0.32 UN	0.32 UN	0.32 UN	NA	NA	NA	NA	0.32 UN	0.32 UN	0.32 UN	0.32 UN	NA
Sodium	20000	NA	**14800**	**50200**	**36200**	**82400**	NA	NA	NA	NA	**45500**	**56800**	**52100**	**176000**	NA
Thallium	0.5	NA	3 U	**4.6 B**	3 U	3 U	NA	NA	NA	NA	3 U	3 U	3 U	3 U	NA
Vanadium	NE	NA	1.1 U	1.1 U	1.1 U	**5.6 B**	NA	NA	NA	NA	**6.5 B**	1.1 U	1.1 U	**1.8 B**	NA
Zinc	2000	NA	**36.2**	**15.7 B**	**18.2 B**	**17.3 B**	NA	NA	NA	NA	**27.8**	**15.5 B**	**14.2 B**	**75.2**	NA

Table 4-11
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
Sample Name:	NYS	OU2MW-38D	OU2MW-39S	OU2MW-39I	OU2MW-39I2	OU2MW-39D	OU2MW-40S	OU2MW-40I	OU2MW-41S	OU2MW-41I	OU2MW-42S	OU2MW-42I	OU2MW-42I2	OU2MW-42D	OU2MW-43S
Screened Interval:	AWQS	56-61 ft	5-15 ft	25-30 ft	45-50 ft	70-75 ft	5-15 ft	18-23 ft	5-15 ft	18-23 ft	5-15 ft	25-30 ft	45-50 ft	60-65 ft	5-15 ft
Sample Date:		8/17/2010	8/17/2010	8/17/2010	8/17/2010	8/17/2010	8/11/2010	8/11/2010	8/12/2010	8/12/2010	8/13/2010	8/12/2010	8/12/2010	8/12/2010	7/16/2010
Parent Sample:															
Other (ug/L)															
Alkalinity	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Ammonia	2000	NA	100 U	100 U	**140**	**100**	NA	NA	NA	NA	**150**	**190**	**210**	100 U	NA
Nitrogen, Nitrate	10000	NA	**8500**	**380**	100 U	100 U	NA	NA	NA	NA	**420**	**330**	**1110**	100 U	NA
Nitrogen, Nitrite	1000	NA	100 U	100 U	100 U	100 U	NA	NA	NA	NA	100 U	100 U	100 U	100 U	NA
Nitrogen, Total	NE	NA	**8500**	**860**	**420**	**310**	NA	NA	NA	NA	**1050**	**910**	**1520**	**1030**	NA
Nitrogen, Total Kjeldahl	NE	NA	100 U	**480**	**420**	**310**	NA	NA	NA	NA	**630**	**580**	**410**	**1030**	NA
Sulfate	250000	NA	**13900**	**164000**	**62400**	**390000**	NA	NA	NA	NA	**24000**	**19700**	**45300**	**841000**	NA
Sulfide	50	NA	2000 U	2000 U	2000 U	2000 U	NA	NA	NA	NA	2000 U	2000 U	2000 U	2000 U	NA
Total Phosphorous	NE	NA	**80**	50 U	50 U	50 U	NA	NA	NA	NA	**210**	50 U	50 U	50 U	NA
Other (cfu/mL)															
Standard Plate Count	NE	NA	**96**	**13**	**11**	**310**	NA	NA	NA	NA	**460**	**95**	**520**	**45**	NA

Table 4-11
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
Sample Name:	NYS	OU2MW-43I	OU2MW-43I2	DUP-04 Q3	OU2MW-43D	OU2MW-44S	OU2MW-44I	OU2MW-44I2	OU2MW-44D	OU2MW-45S	OU2MW-45I	OU2MW-45I2	OU2MW-45D	OU2MW-46S	OU2MW-46I
Screened Interval:	AWQS	25-30 ft	45-50 ft	45-50 ft	65-70 ft	5-15 ft	25-30 ft	45-50 ft	65-70 ft	5-15 ft	20-25 ft	40-45 ft	55-60 ft	5-15 ft	20-25 ft
Sample Date:		7/15/2010	7/15/2010	7/15/2010	7/16/2010	7/15/2010	7/15/2010	7/15/2010	7/15/2010	8/16/2010	8/16/2010	8/17/2010	8/17/2010	8/18/2010	8/18/2010
Parent Sample:				OU2MW-43I2											
BTEX (ug/L)															
Benzene	1	**2 J**	**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
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
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
Xylene, m,p-	5	**2 J**	**7**	**8**	**1 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene, o-	5	**1 J**	**3 J**	**3 J**	**1 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total BTEX	NE	**5**	**12**	**14**	**2**	ND	ND	ND	ND	ND	ND	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 U	10 U	10 U	10 U	10 U	10 U
Acetone	50	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	**1 J**	10 U
Allyl chloride	5	10 UJ	10 UJ	10 U	10 UJ	10 UJ	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	10 U	10 U
Bromoform	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	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Butadiene, 1,3-	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Butanone, 2-	50	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Carbon disulfide	60	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon tetrachloride	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
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	10 U	10 U	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	**1 J**	**1 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**2 J**	10 U
Chloromethane	5	10 U	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Chlorotoluene	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
Cryofluorane	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Cyclohexane	NE	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	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
Dibromoethane, 1,2-	0.0006	10 U	10 U	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, 1,3-	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 U	10 U	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, 1,1-	5	10 U	10 U	10 U	10 UJ	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 U	10 U	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 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloropropene, cis-1,3	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
Dichloropropene, trans-1,3	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
Dioxane, 1,4-	NE	R	R	R	R	R	R	R	R	500 U	500 U	500 U	500 U	500 U	500 U
Ethanol	NE	R	R	R	R	R	R	R	R	500 U	500 U	500 U	500 U	500 U	500 U
Heptane, n-	NE	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	0.5	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexane, n-	NE	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexanone, 2-	50	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Isopropyl benzene	5	**1 J**	**11**	**11**	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	**11**	**8**	**6**	**1 J**	10 U	10 U	10 U	**2 J**	10 U	10 U	**8 J**	**8 J**	10 U	10 U
Methyl-2-pentanone, 4-	NE	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10	**58**	**980**	**880**	**18 J**	10 U	10 U	10 U	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	500 U	500 U	500 U	500 U	500 U	500 U
Propylbenzene, n-	5	10 U	**5**	**5**	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	**2 J**	**2 J**	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	10 U	10 U
Tetrachloroethane,1,1,2,2-	5	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	5	**2 J**	**5**	**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 UJ	10 UJ	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trans-1,2-dichloroethene	5	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	5	10 UJ	10 UJ	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U

Table 4-11
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
Sample Name:	NYS	OU2MW-43I	OU2MW-43I2	DUP-04 Q3	OU2MW-43D	OU2MW-44S	OU2MW-44I	OU2MW-44I2	OU2MW-44D	OU2MW-45S	OU2MW-45I	OU2MW-45I2	OU2MW-45D	OU2MW-46S	OU2MW-46I
Screened Interval:	AWQS	25-30 ft	45-50 ft	45-50 ft	65-70 ft	5-15 ft	25-30 ft	45-50 ft	65-70 ft	5-15 ft	20-25 ft	40-45 ft	55-60 ft	5-15 ft	20-25 ft
Sample Date:		7/15/2010	7/15/2010	7/15/2010	7/16/2010	7/15/2010	7/15/2010	7/15/2010	7/15/2010	8/16/2010	8/16/2010	8/17/2010	8/17/2010	8/18/2010	8/18/2010
Parent Sample:				OU2MW-43I2											
Trichlorobenzene, 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
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
Trichloroethane, 1,1,2-	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
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
Trichlorofluoromethane	5	10 U	10 U	10 U	10 UJ	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	5	**20**	**66**	**65**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene, 1,2,4-	5	**9**	**78**	**84**	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 U	10 UJ	10 UJ	10 UJ	**4 J**	**5 J**	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl acetate	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl chloride	2	10 U	10 U	10 U	10 U	10 U	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	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	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
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	**2 J**	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	**1 J**	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
Total Noncarcinogenic PAHs	NE	ND	ND	ND	**4**	ND	ND	ND	ND	ND	**1**	ND	ND	ND	ND
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 Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)															
Total PAHs	NE	ND	ND	ND	**4**	ND	ND	ND	ND	ND	**1**	ND	ND	ND	ND
Total Metals (ug/L)															
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	**103 B**	**31.7 B**	**64.7 B**	**137 B**	**164 B**	**83.5 B**
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	**8.3 B**	**30.7 B**	**34.5 B**	**7.3 B**	**22.4 B**	**16.1 B**
Beryllium	3	NA	NA	NA	NA	NA	NA	NA	NA	0.17 U	0.17 U	0.17 U	0.17 U	**0.26 B**	**0.26 B**
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	**25200**	**41100**	**19200**	**5580**	**48900**	**57000**
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	2.3 U	2.3 U	2.3 U	**2.6 B**	2.3 U	2.3 U
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	1.4 U	1.4 U	1.4 U	1.4 U	**2.8 B**	1.4 U
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	**3.2 B**	**2.5 B**	0.64 U	**0.67 B**	**5.1 B**	**3.9 B**
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	**7030**	**9120**	**70.8 B**	**138**	**1100**	**70.9 B**
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	1.3 U	1.3 U	**2.7 B**	**2.8 B**	**9.1**	**1.4 B**
Magnesium	35000	NA	NA	NA	NA	NA	NA	NA	NA	**3750 B**	**6740**	**3360 B**	**1160 B**	**7320**	**8120**
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	**109**	**1020**	**13200**	**4550**	**472**	**52.7**
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	**1.8 B**	**3.8 B**	1.5 U	**1.9 B**	**2.1 B**	**2.4 B**
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	**2570 B**	**5000 B**	**3440 BE**	**1450 BE**	**3510 BE**	**4060 BE**
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	0.32 UN	0.32 UN	**1.2 BN**	**0.55 BN**	**0.54 BN**	**0.38 BN**
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	**21000**	**39500**	**31600**	**11400**	**49800**	**39700**
Thallium	0.5	NA	NA	NA	NA	NA	NA	NA	NA	3 U	3 U	3 U	3 U	3 U	3 U
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	**1.5 B**	1.1 U	1.1 U	1.1 U	**3.4 B**	1.1 U
Zinc	2000	NA	NA	NA	NA	NA	NA	NA	NA	**64**	**19.6 B**	**22.1**	**17.5 B**	**16.2 B**	**16.8 B**

Table 4-11
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
Sample Name:	NYS	OU2MW-43I	OU2MW-43I2	DUP-04 Q3	OU2MW-43D	OU2MW-44S	OU2MW-44I	OU2MW-44I2	OU2MW-44D	OU2MW-45S	OU2MW-45I	OU2MW-45I2	OU2MW-45D	OU2MW-46S	OU2MW-46I
Screened Interval:	AWQS	25-30 ft	45-50 ft	45-50 ft	65-70 ft	5-15 ft	25-30 ft	45-50 ft	65-70 ft	5-15 ft	20-25 ft	40-45 ft	55-60 ft	5-15 ft	20-25 ft
Sample Date:		7/15/2010	7/15/2010	7/15/2010	7/16/2010	7/15/2010	7/15/2010	7/15/2010	7/15/2010	8/16/2010	8/16/2010	8/17/2010	8/17/2010	8/18/2010	8/18/2010
Parent Sample:				OU2MW-43I2											
Other (ug/L)															
Alkalinity	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Ammonia	2000	NA	NA	NA	NA	NA	NA	NA	NA	**120**	**280**	100 U	100 U	**280**	**250**
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	**150**	**190**	**1510**	**260**	**1840**	**1170**
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	100 U	100 U	100 U	100 U	100 U	100 U
Nitrogen, Total	NE	NA	NA	NA	NA	NA	NA	NA	NA	**640**	**790**	**1760**	**570**	**2790**	**2090**
Nitrogen, Total Kjeldahl	NE	NA	NA	NA	NA	NA	NA	NA	NA	**490**	**600**	**250**	**310**	**950**	**920**
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	**23600**	**80100**	**19600**	**13900**	**21800**	**24300**
Sulfide	50	NA	NA	NA	NA	NA	NA	NA	NA	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	**300**	50 U	50 U	50 U	**60**	50 U
Other (cfu/mL)															
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	**5000**	**260**	**22**	**140**	**50**	**130**

Table 4-11
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
Sample Name:	NYS	DUP-12 Q3	OU2MW-46I2	OU2MW-47S	OU2MW-47I	OU2MW-47I2	OU2MW-47D	OU2MW-52S	OU2MW-52I	OU2MW-52D	OU2MW-53S	OU2MW-53I	OU2MW-53D	OU2MW-54S	OU2MW-54I
Screened Interval:	AWQS	20-25 ft	40-45 ft	5-15 ft	20-25 ft	40-45 ft	60-65 ft	3-8 ft	20-25 ft	35-40 ft	3-8 ft	20-25 ft	35-40 ft	5-15 ft	25-30 ft
Sample Date:		8/18/2010	8/18/2010	8/16/2010	8/16/2010	8/16/2010	8/16/2010	7/14/2010	7/14/2010	7/14/2010	8/31/2010	8/31/2010	8/31/2010	8/30/2010	8/30/2010
Parent Sample:		OU2MW-46I													
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
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
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	**2 J**	10 U
Xylene, m,p-	5	10 U	10 U	10 U	10 U	10 U	**5 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene, o-	5	10 U	**5 J**	10 U	10 U	10 U	**6 J**	10 U	10 U	10 U	10 U	10 U	10 U	**2 J**	10 U
Total BTEX	NE	ND	**5**	ND	ND	ND	**11**	ND	ND	ND	ND	ND	ND	**4**	ND
Other VOCs (ug/L)															
Acetaldehyde	8	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U
Acetone	50	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
Allyl chloride	5	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	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	10 U	10 U
Bromoform	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	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Butadiene, 1,3-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	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	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 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U
Carbon tetrachloride	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
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	**3 J**	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	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	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorotoluene	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
Cryofluorane	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	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	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
Dibromoethane, 1,2-	0.0006	10 U	10 U	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, 1,3-	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 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	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	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 U	10 U	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 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloropropene, cis-1,3	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
Dichloropropene, trans-1,3	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
Dioxane, 1,4-	NE	500 U	500 U	500 U	500 U	500 U	500 U	R	R	R	500 U	500 U	500 U	500 U	500 U
Ethanol	NE	500 U	500 U	500 U	500 U	500 U	500 U	R	R	R	500 U	500 U	500 U	500 U	500 U
Heptane, n-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	0.5	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	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
Hexanone, 2-	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
Isopropyl benzene	5	10 U	10 U	10 U	10 U	10 U	**7 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl tert-butyl ether	10	10 U	**2 J**	10 U	10 U	**12**	**17**	10 U	**2 J**	**10**	10 U	10 U	**2 J**	**1 J**	10 U
Methyl-2-pentanone, 4-	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
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 U	10 U	10 U	10 U	**39**	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	**9 J**	10 U
Propanol, 2-	NE	500 U	500 U	500 U	500 U	500 U	500 U	R	R	R	500 U	500 U	500 U	500 U	500 U
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
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	10 U	10 U
Tetrachloroethane,1,1,2,2-	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
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 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trans-1,2-dichloroethene	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
Trichloro-1,2,2-trifluoroethane, 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	10 U	10 U

Table 4-11
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
Sample Name:	NYS	DUP-12 Q3	OU2MW-46I2	OU2MW-47S	OU2MW-47I	OU2MW-47I2	OU2MW-47D	OU2MW-52S	OU2MW-52I	OU2MW-52D	OU2MW-53S	OU2MW-53I	OU2MW-53D	OU2MW-54S	OU2MW-54I
Screened Interval:	AWQS	20-25 ft	40-45 ft	5-15 ft	20-25 ft	40-45 ft	60-65 ft	3-8 ft	20-25 ft	35-40 ft	3-8 ft	20-25 ft	35-40 ft	5-15 ft	25-30 ft
Sample Date:		8/18/2010	8/18/2010	8/16/2010	8/16/2010	8/16/2010	8/16/2010	7/14/2010	7/14/2010	7/14/2010	8/31/2010	8/31/2010	8/31/2010	8/30/2010	8/30/2010
Parent Sample:		OU2MW-46I													
Trichlorobenzene, 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
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
Trichloroethane, 1,1,2-	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
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
Trichlorofluoromethane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene 1,3,5-/P-ethyltoluene	5	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
Trimethylbenzene, 1,2,4-	5	10 U	10 U	10 U	10 U	10 U	**32**	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 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	**2 J**
Vinyl acetate	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
Vinyl chloride	2	10 U	10 U	10 U	10 U	10 U	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	**5 J**	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	**14**	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	**5 J**	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	**2 J**	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	**2 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	**4 J**	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
Total Noncarcinogenic PAHs	NE	ND	ND	ND	ND	ND	**32**	ND	ND	ND	ND	ND	ND	ND	ND
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 Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)															
Total PAHs	NE	ND	ND	ND	ND	ND	**32**	ND	ND	ND	ND	ND	ND	ND	ND
Total Metals (ug/L)															
Aluminum	NE	**76.6 B**	**64.3 B**	**37.1 B**	**35.9 B**	**30.7 B**	**34.6 B**	NA	NA	NA	**3250**	8 U	**13.7 B**	**63.1 B**	**51.4 B**
Antimony	3	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	NA	NA	NA	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U
Arsenic	25	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	2.5 U	2.5 U	**10.3**	**6 B**	2.5 U
Barium	1000	**15.6 B**	**38.8 B**	**33.8 B**	**68 B**	**52.8 B**	**21.9 B**	NA	NA	NA	**6.6 B**	**41.2 B**	**21.4 B**	**36.5 B**	**21.8 B**
Beryllium	3	**0.23 B**	0.17 U	0.17 U	0.17 U	**0.18 B**	0.17 U	NA	NA	NA	**0.27 B**	0.17 U	0.17 U	**0.3 B**	**0.32 B**
Cadmium	5	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	**0.47 B**	NA	NA	NA	0.33 U	0.33 U	0.33 U	0.33 U	**0.68 B**
Calcium	NE	**56700**	**24300**	**27900**	**54200**	**19300**	**15000**	NA	NA	NA	**16400**	**25300**	**9030**	**38500**	**19900**
Chromium	50	2.3 U	2.3 U	2.3 U	2.3 U	**2.4 B**	2.3 U	NA	NA	NA	**4.6 B**	2.3 U	2.3 U	2.3 U	2.3 U
Cobalt	NE	1.4 U	**8.5 B**	1.4 U	1.4 U	**3 B**	**146**	NA	NA	NA	1.4 U	1.4 U	**33.6 B**	1.4 U	1.4 U
Copper	200	**3.8 B**	**10.1 B**	**3.3 B**	**41.8**	**3.1 B**	**2.5 B**	NA	NA	NA	**4 B**	0.64 U	0.64 U	0.64 U	0.64 U
Iron	300	**49.1 B**	**32.3 B**	**37.2 B**	**181**	**42.4 B**	**388**	NA	NA	NA	**2620**	**90.4 B**	**46200**	**13700**	**35.3 B**
Lead	25	**2.2 B**	**1.8 B**	1.3 U	1.3 U	**1.6 B**	1.3 U	NA	NA	NA	**2 B**	1.3 U	**7.5**	**3.4 N**	**2.5 BN**
Magnesium	35000	**8050**	**4550 B**	**5090**	**7770**	**3520 B**	**6370**	NA	NA	NA	**3050 B**	**4360 B**	**1270 B**	**5710**	**4280 B**
Manganese	300	**51.1**	**3800**	**63.5**	**377**	**13000**	**3080**	NA	NA	NA	**6.4 B**	**47.6**	**4730**	**109**	**2150**
Mercury	0.7	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	NA	NA	0.1 U	0.1 U	0.1 U	0.1 UN	0.1 UN
Nickel	100	**2.1 B**	**3.4 B**	1.5 U	**11 B**	**4.6 B**	**132**	NA	NA	NA	1.5 U	1.5 U	**5.3 B**	1.5 U	**2.1 B**
Potassium	NE	**3950 BE**	**4240 BE**	**2320 B**	**9100**	**4420 B**	**2720 B**	NA	NA	NA	**1770 B**	**4880 B**	**4960 B**	**4570 B**	**2700 B**
Selenium	10	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	NA	NA	NA	2.8 UN	2.8 UN	2.8 UN	2.8 U	2.8 U
Silver	50	**0.38 BN**	**0.47 BN**	0.32 UN	0.32 UN	**1.1 BN**	0.32 UN	NA	NA	NA	0.32 UN	**0.83 BN**	**0.97 BN**	**0.53 BN**	**0.57 BN**
Sodium	20000	**39200**	**56600**	**41300**	**74000**	**45700**	**33400**	NA	NA	NA	**8020**	**51800**	**42000**	**56500**	**38600**
Thallium	0.5	3 U	3 U	3 U	3 U	3 U	3 U	NA	NA	NA	3 U	3 U	3 U	3 U	3 U
Vanadium	NE	1.1 U	1.1 U	**4.7 B**	1.1 U	1.1 U	1.1 U	NA	NA	NA	**4.9 B**	1.1 U	**1.7 B**	1.1 U	1.1 U
Zinc	2000	**12.3 B**	**4.9 B**	**41.6**	**19.4 B**	**3.5 B**	**15.7 B**	NA	NA	NA	**25.7**	**21.7**	**22.3**	**18.2 B**	**19 B**

Table 4-11
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
Sample Name:	NYS	DUP-12 Q3	OU2MW-46I2	OU2MW-47S	OU2MW-47I	OU2MW-47I2	OU2MW-47D	OU2MW-52S	OU2MW-52I	OU2MW-52D	OU2MW-53S	OU2MW-53I	OU2MW-53D	OU2MW-54S	OU2MW-54I
Screened Interval:	AWQS	20-25 ft	40-45 ft	5-15 ft	20-25 ft	40-45 ft	60-65 ft	3-8 ft	20-25 ft	35-40 ft	3-8 ft	20-25 ft	35-40 ft	5-15 ft	25-30 ft
Sample Date:		8/18/2010	8/18/2010	8/16/2010	8/16/2010	8/16/2010	8/16/2010	7/14/2010	7/14/2010	7/14/2010	8/31/2010	8/31/2010	8/31/2010	8/30/2010	8/30/2010
Parent Sample:		OU2MW-46I													
Other (ug/L)															
Alkalinity	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Ammonia	2000	**320**	**260**	100 U	**180**	**410**	**420**	NA	NA	NA	100 U	100 U	**310**	**160**	**380**
Nitrogen, Nitrate	10000	**1170**	**880**	**3010**	**430**	100 U	100 U	NA	NA	NA	**1640**	**710**	100 U	100 U	**290**
Nitrogen, Nitrite	1000	100 U	100 U	100 U	100 U	100 U	100 U	NA	NA	NA	100 U	100 U	100 U	100 U	100 U
Nitrogen, Total	NE	**2050**	**1380**	**3170**	**970**	**550**	**830**	NA	NA	NA	**2430**	**1090**	**730**	**470**	**850**
Nitrogen, Total Kjeldahl	NE	**880**	**500**	**160**	**540**	**550**	**830**	NA	NA	NA	**790**	**380**	**730**	**470**	**560**
Sulfate	250000	**24300**	**34800**	**21700**	**72800**	**16400**	**45300**	NA	NA	NA	**8450**	**19100**	**17500**	**46700**	**20600**
Sulfide	50	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	NA	NA	NA	2000 U	2000 U	2000 U	2000 U	2000 U
Total Phosphorous	NE	50 U	50 U	**130**	50 U	50 U	50 U	NA	NA	NA	**90**	50 U	**90**	**210**	50 U
Other (cfu/mL)															
Standard Plate Count	NE	**55**	**18**	**320**	**440**	**120**	**520**	NA	NA	NA	**97**	**39**	**42**	**130**	**580**

Table 4-11
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
Sample Name:	NYS	OU2MW-54I2	OU2MW-54D	OU2MW-55S	OU2MW-55I	OU2MW-55I2	OU2MW-55D	OU2MW-56S	OU2MW-56I	OU2MW-56I2	OU2MW-56D
Screened Interval:	AWQS	40-45 ft	60-65 ft	5-15 ft	30-35 ft	50-55 ft	65-75 ft	5-15 ft	25-30 ft	45-50 ft	65-70 ft
Sample Date:		8/30/2010	8/30/2010	8/27/2010	8/27/2010	8/27/2010	8/27/2010	8/27/2010	8/27/2010	8/27/2010	8/27/2010
Parent Sample:											
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
Toluene	5	10 U	10 U	**8 J**	**6 J**	**19**	**29**	10 U	**6 J**	10 U	10 U
Ethylbenzene	5	10 U	10 U	10 U	10 U	**2 J**	**8 J**	10 U	10 U	10 U	10 U
Xylene, m,p-	5	10 U	10 U	10 U	10 U	**48**	**75**	10 U	10 U	10 U	10 U
Xylene, o-	5	10 U	10 U	10 U	**4 J**	**31**	**44**	10 U	10 U	10 U	10 U
Total BTEX	NE	ND	ND	**8**	**10**	**100**	**156**	ND	**6**	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
Acetone	50	10 U	10 U	10 U	**4 J**	**4 J**	**8 J**	10 U	10 U	10 U	10 U
Allyl chloride	5	10 U	10 U	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
Bromoform	50	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
Butadiene, 1,3-	NE	10 U	10 U	10 U	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	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
Carbon tetrachloride	5	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
Chloroethane	5	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	**2 J**	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
Chlorotoluene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cryofluorane	NE	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 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
Dibromoethane, 1,2-	0.0006	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, 1,3-	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 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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
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 U
Dichloropropene, cis-1,3	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloropropene, trans-1,3	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dioxane, 1,4-	NE	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U
Ethanol	NE	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U
Heptane, n-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	0.5	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 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexanone, 2-	50	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	**4 J**	10 U	10 U	10 U	10 U
Methyl tert-butyl ether	10	**1 J**	10 U	10 U	**3 J**	**8 J**	**9 J**	10 U	10 U	**6 J**	**120**
Methyl-2-pentanone, 4-	NE	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	10 U	10 U	10 U	10 U
Naphthalene	10	10 U	10 U	10 U	10 U	**380 D**	**440 D**	10 U	**3 J**	10 U	10 U
Propanol, 2-	NE	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U
Propylbenzene, n-	5	10 U	10 U	10 U	10 U	10 U	**6 J**	10 U	10 U	10 U	10 U
Styrene	5	10 U	10 U	10 U	10 U	**13**	**18**	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
Tetrachloroethane,1,1,2,2-	5	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	**1 J**	10 U	10 U	10 U	10 U
Tetrahydrofuran	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trans-1,2-dichloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

Table 4-11
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
Sample Name:	NYS	OU2MW-54I2	OU2MW-54D	OU2MW-55S	OU2MW-55I	OU2MW-55I2	OU2MW-55D	OU2MW-56S	OU2MW-56I	OU2MW-56I2	OU2MW-56D
Screened Interval:	AWQS	40-45 ft	60-65 ft	5-15 ft	30-35 ft	50-55 ft	65-75 ft	5-15 ft	25-30 ft	45-50 ft	65-70 ft
Sample Date:		8/30/2010	8/30/2010	8/27/2010	8/27/2010	8/27/2010	8/27/2010	8/27/2010	8/27/2010	8/27/2010	8/27/2010
Parent Sample:											
Trichlorobenzene, 1,2,4-	5	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 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethane, 1,1,2-	1	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
Trichlorofluoromethane	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	5	10 U	10 U	10 U	**1 J**	**19**	**71**	10 U	10 U	10 U	10 U
Trimethylbenzene, 1,2,4-	5	10 U	10 U	10 U	10 U	**30**	**95**	10 U	10 U	10 U	10 U
Trimethylpentane, 2,2,4-	NE	**15**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl acetate	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl chloride	2	10 U	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	**2 J**	**5 J**	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	**15**	**19**	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
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	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	**3 J**	**5 J**	10 U	10 U	10 U	10 U
Methylnaphthalene, 2-	NE	10 U	10 U	10 U	10 U	**34**	10 U	10 U	10 U	10 U	10 U
Naphthalene	10	10 U	10 U	10 U	10 U	**280 D**	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50	10 U	10 U	10 U	10 U	**2 J**	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
Total Noncarcinogenic PAHs	NE	ND	ND	ND	ND	**336**	**29**	ND	ND	ND	ND
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 Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)											
Total PAHs	NE	ND	ND	ND	ND	**336**	**29**	ND	ND	ND	ND
Total Metals (ug/L)											
Aluminum	NE	**50.9 B**	**48.6 B**	**51.3 B**	**38.4 B**	**47.4 B**	**98 B**	**108 B**	**38.6 B**	**42.7 B**	**41.4 B**
Antimony	3	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	**4.1 B**	2.9 U	2.9 U	2.9 U
Arsenic	25	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Barium	1000	**38.8 B**	**35.7 B**	**9.5 B**	**37.5 B**	**17.2 B**	**17.4 B**	**4 B**	**37.9 B**	**44.9 B**	**24.4 B**
Beryllium	3	**0.29 B**	**0.29 B**	**0.27 B**	**0.27 B**	**0.28 B**	**0.27 B**	**0.31 B**	**0.24 B**	**0.31 B**	**0.28 B**
Cadmium	5	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Calcium	NE	**17500**	**13700**	**32300**	**21100**	**11600**	**11600**	**17900**	**25200**	**13200**	**16300**
Chromium	50	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U
Cobalt	NE	1.4 U	1.4 U	**2.8 B**	1.4 U	1.4 U	**1.8 B**	1.4 U	1.4 U	**2.3 B**	1.4 U
Copper	200	0.64 U	**2.2 B**	**4.4 B**	**1.4 B**	0.64 U	**2 B**	**2.6 B**	0.64 U	0.64 U	**0.7 B**
Iron	300	**29.2 B**	**34.3 B**	**443**	**51.8 B**	**144**	**242**	**82.6 B**	**14400**	**18.8 B**	**28.6 B**
Lead	25	**4.3 N**	**2.4 BN**	**1.7 BN**	**1.7 BN**	**1.8 BN**	**1.9 BN**	1.3 UN	**2.3 BN**	**1.8 BN**	**1.5 BN**
Magnesium	35000	**3530 B**	**6860**	**4590 B**	**4460 B**	**3180 B**	**4140 B**	**2920 B**	**4310 B**	**2470 B**	**5570**
Manganese	300	**15100**	**2140**	**15.7**	**345**	**5390**	**1810**	**7.4 B**	**942**	**10200**	**2960**
Mercury	0.7	0.1 UN	0.1 UN	0.1 UN	0.1 UN	0.1 UN	0.1 UN	0.1 UN	0.1 UN	0.1 UN	0.1 UN
Nickel	100	1.5 U	**7.4 B**	**7.3 B**	1.5 U	**1.7 B**	**5.1 B**	1.5 U	1.5 U	1.5 U	**2.8 B**
Potassium	NE	**4150 B**	**2070 B**	**2410 B**	**3100 B**	**2970 B**	**1930 B**	**2050 B**	**4260 B**	**2660 B**	**3300 B**
Selenium	10	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U
Silver	50	**1.6 BN**	**0.73 BN**	**0.36 BN**	**0.42 BN**	**0.55 BN**	**0.44 BN**	**0.41 BN**	**0.48 BN**	**0.95 BN**	**0.53 BN**
Sodium	20000	**51500**	**25700**	**15400**	**47800**	**26000**	**18100**	**8620**	**43100**	**26800**	**28300**
Thallium	0.5	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Vanadium	NE	1.1 U	1.1 U	**3.7 B**	1.1 U	1.1 U	1.1 U	**2.6 B**	1.1 U	1.1 U	1.1 U
Zinc	2000	2.4 U	**28.2**	**90.4**	**17.1 B**	**12.4 B**	**40.6**	**12.6 B**	**12.2 B**	2.4 U	**23.2**

Table 4-11
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
Sample Name:	NYS	OU2MW-54I2	OU2MW-54D	OU2MW-55S	OU2MW-55I	OU2MW-55I2	OU2MW-55D	OU2MW-56S	OU2MW-56I	OU2MW-56I2	OU2MW-56D
Screened Interval:	AWQS	40-45 ft	60-65 ft	5-15 ft	30-35 ft	50-55 ft	65-75 ft	5-15 ft	25-30 ft	45-50 ft	65-70 ft
Sample Date:		8/30/2010	8/30/2010	8/27/2010	8/27/2010	8/27/2010	8/27/2010	8/27/2010	8/27/2010	8/27/2010	8/27/2010
Parent Sample:											
Other (ug/L)											
Alkalinity	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Ammonia	2000	**210**	100 U	100 U	**370**	100 U	**100**	100 U	**240**	100 U	100 U
Nitrogen, Nitrate	10000	100 U	**2780**	**740**	100 U	100 U	100 U	**2030**	**460**	**1680**	**4680**
Nitrogen, Nitrite	1000	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Nitrogen, Total	NE	**570**	**2780**	**1090**	**460**	**510**	**210**	**2430**	**770**	**1680**	**4680**
Nitrogen, Total Kjeldahl	NE	**580**	100 U	**360**	**470**	**510**	**210**	**400**	**320**	100 U	100 U
Sulfate	250000	**17200**	**25100**	**21900**	**15800**	**34000**	**18900**	**14600**	**27900**	**21800**	**24300**
Sulfide	50	3000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U
Total Phosphorous	NE	50 U	50 U	50 U	50 U	**220**	50 U	**230**	50 U	50 U	50 U
Other (cfu/mL)											
Standard Plate Count	NE	**66**	**820**	**400**	**260**	**40**	**1200**	**130**	**280**	**41**	**130**

Notes for groundwater tables are compiled at the end of the Tables in this section.

Table 4-12
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	15	0	865	26	0.0746	Increasing
	BBMW-20I	12	0	8	-4	0.7805	No Trend
	BBMW-22S	12	0	9210	16	0.2726	No Trend
	BBMW-22I	11	0	43	46	0.0003	Increasing
	BBMW-22D	12	0	2595.5	-25	0.0857	Decreasing
	BBMW-34S	5	0	749	0	1.0000	No Trend
	BBMW-34I	5	0	3109	2	0.6242	No Trend
	BBMW-34I2	5	0	196	5	0.2065	No Trend
	BBMW-34D	5	4	0.1	-4	0.1573	No Trend
	BBMW-41S	5	0	3773	-4	0.3272	No Trend
	BBMW-41I2	5	3	0.1	-7	0.0522	Decreasing
	MW-05S	12	0	7975.5	-36	0.0136	Decreasing
	MW-05D	12	3	10.5	30	0.0375	Increasing
	OZMW-19S	8	1	79.5	-6	0.4579	No Trend
	OZMW-19I	8	0	937	-4	0.6207	No Trend
	OZMW-19I2	8	0	1057.5	14	0.0833	Increasing
	OZMW-19D	8	1	18.5	-16	0.0478	Decreasing
	OZMW-21S	9	0	5400	-2	0.8348	No Trend
	OZMW-21I	9	0	407	4	0.6767	No Trend
	OZMW-21I2	9	0	116	0	1.0000	No Trend
	OZMW-21D	9	0	12	4	0.6733	No Trend
	OZMW-22S/RS	11	0	6074	-37	0.0040	Decreasing
	OZMW-22I/RI	12	4	30	34	0.0173	Increasing
	OZMW-22I2	9	8	0.1	0	1.0000	No Trend
	OZMW-23S	25	8	79	-237	0.0000	Decreasing
	OZMW-23I	25	8	35	-228	0.0000	Decreasing
	OZMW-23I2	24	7	9	-190	0.0000	Decreasing
	OZMW-23D	24	1	19	13	0.7469	No Trend
	OZMW-24S	24	0	94	-221	0.0000	Decreasing
	OZMW-24I	24	6	157.5	-219	0.0000	Decreasing
	OZMW-24I2	24	0	129.5	12	0.7655	No Trend
	OZMW-24D	24	0	1662.5	-117	0.0037	Decreasing
	OZMW-25S	11	0	1724	7	0.5858	No Trend
	OZMW-25I	11	0	268	27	0.0356	Increasing
	OZMW-25I2	12	0	150.5	4	0.7839	No Trend
	OZMW-26S	15	0	33	-81	0.0001	Decreasing
	OZMW-26I	15	6	9	-84	0.0000	Decreasing
	OZMW-26I2	15	0	310	-79	0.0001	Decreasing
	OZMW-26D	15	13	0.1	-23	0.0516	Decreasing

Table 4-12
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)
Downgradient	BBMW-01S	30	0	200.5	-288	0.0000	Decreasing
	BBMW-01I	30	1	35	-123	0.0280	Decreasing
	BBMW-01D	30	1	46	201	0.0003	Increasing
	BBMW-23S	27	0	9986	-71	0.1388	No Trend
	BBMW-23I	27	18	0.1	99	0.0134	Increasing
	BBMW-23D	27	2	6	-216	0.0000	Decreasing
	BBMW-23D2	27	25	0.1	-17	0.4318	No Trend
	OZMW-16S	15	14	0.1	-14	0.1052	No Trend*
	OZMW-16I	15	6	37	-58	0.0029	Decreasing
	OZMW-16I2	15	0	441	65	0.0013	Increasing
	OZMW-17S	15	6	17	-68	0.0005	Decreasing
	OZMW-17I	15	7	9	-68	0.0004	Decreasing
	OZMW-17I2	15	8	0.1	12	0.5164	No Trend
	OZMW-17D	15	9	0.1	27	0.1290	No Trend
	OZMW-18S	15	8	0.1	-65	0.0004	Decreasing
	OZMW-18I	15	8	0.1	-55	0.0030	Decreasing
	OZMW-18I2	15	1	50	-68	0.0008	Decreasing
	OZMW-18D	15	0	333	50	0.0132	Increasing

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 4-13
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	15	0	1301.5	22	0.1314	No Trend
	BBMW-20I	12	0	161	-2	0.8909	No Trend
	BBMW-22S	12	0	2150.5	34	0.0197	Increasing
	BBMW-22I	11	0	4949	-1	0.9379	No Trend
	BBMW-22D	12	0	5208	-14	0.3370	No Trend
	BBMW-34S	5	0	524	-6	0.1416	No Trend
	BBMW-34I	5	0	2223	0	1.0000	No Trend
	BBMW-34I2	5	0	2033	-4	0.3272	No Trend
	BBMW-34D	5	0	237	-10	0.0143	Decreasing
	BBMW-41S	5	0	764	-4	0.3272	No Trend
	BBMW-41I2	5	4	0.1	-2	0.4795	No Trend
	BBMW-41D	5	4	0.1	-2	0.4795	No Trend
	MW-05S	12	0	1165.5	2	0.8909	No Trend
	MW-05D	12	0	726	4	0.7839	No Trend
	OZMW-19S	8	1	115	-8	0.3223	No Trend
	OZMW-19I	8	0	2915.5	-2	0.8046	No Trend
	OZMW-19I2	8	0	3325.5	-12	0.1376	No Trend
	OZMW-19D	8	1	139	-10	0.2160	No Trend
	OZMW-21S	9	0	4403	-8	0.4042	No Trend
	OZMW-21I	9	0	5512	4	0.6767	No Trend
	OZMW-21I2	9	0	5907	2	0.8348	No Trend
	OZMW-21D	9	0	721	-16	0.0953	Decreasing
	OZMW-22S/RS	11	0	1684	-15	0.2429	No Trend
	OZMW-22I/RI	12	4	3.5	34	0.0173	Increasing
	OZMW-22D	9	8	0.1	-2	0.6985	No Trend
	OZMW-23S	25	5	41	-137	0.0013	Decreasing
	OZMW-23I	25	13	0.1	-188	0.0000	Decreasing
	OZMW-23I2	24	12	1.05	-147	0.0001	Decreasing
	OZMW-23D	24	0	33.5	46	0.2529	No Trend
	OZMW-24S	24	8	8.5	7	0.8593	No Trend
	OZMW-24I	24	10	37.5	-193	0.0000	Decreasing
	OZMW-24I2	24	0	5029	-68	0.0917	Decreasing
	OZMW-24D	24	0	4862	-4	0.9210	No Trend
	OZMW-25S	11	0	3504	-1	0.9379	No Trend
	OZMW-25I	11	0	3252	-5	0.6971	No Trend
	OZMW-25I2	12	0	67.5	21	0.1489	No Trend
	OZMW-25D	12	3	60	13	0.3685	No Trend
	OZMW-26S	15	5	1	-30	0.1278	No Trend
	OZMW-26I	15	13	0.1	-27	0.0223	Decreasing
	OZMW-26I2	15	4	32	-49	0.0142	Decreasing
	OZMW-26D	15	13	0.1	-5	0.6722	No Trend

Table 4-13
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)
Downgradient	BBMW-01S	30	6	83	-88	0.1148	No Trend
	BBMW-01I	30	0	5171.5	-71	0.2053	No Trend
	BBMW-01D	30	6	65	140	0.0121	Increasing
	BBMW-23S	27	1	1596	71	0.1388	No Trend
	BBMW-23I	27	14	0.1	54	0.2226	No Trend
	BBMW-23D	27	12	3	-22	0.6299	No Trend
	BBMW-23D2	27	24	0.1	5	0.8475	No Trend
	OZMW-16S	15	13	0.1	-27	0.0223	Decreasing
	OZMW-16I	15	5	22	-71	0.0003	Decreasing
	OZMW-16I2	15	2	197	34	0.0921	Increasing
	OZMW-16D	15	10	0.1	-6	0.7173	No Trend
	OZMW-17S	15	12	0.1	-28	0.0448	Decreasing
	OZMW-17I	15	11	0.1	-34	0.0293	Decreasing
	OZMW-17I2	15	9	0.1	-18	0.3108	No Trend
	OZMW-17D	15	3	12	30	0.1359	No Trend
	OZMW-18S	15	11	0.1	-36	0.0210	Decreasing
	OZMW-18I	15	5	7	-77	0.0001	Decreasing
	OZMW-18I2	15	0	7353	-73	0.0003	Decreasing
	OZMW-18D	15	1	1279	-5	0.8046	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 4-14
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	11	3	17	2	0.8749	No Trend
		OU2MW-18I	10	0	3533	-27	0.0157	Decreasing
		OU2MW-18I2	10	6	0.1	30	0.0023	Increasing
	Downgradient	OU2MW-22S	8	7	0.1	-5	0.2752	No Trend
		OU2MW-22I	8	1	48.5	-10	0.2160	No Trend
		OU2MW-23I	8	0	139	-16	0.0478	Decreasing
		OU2MW-24S	8	7	0.1	-5	0.2752	No Trend
		OU2MW-24I	8	4	28.05	-22	0.0035	Decreasing
		OU2MW-25I	8	1	87	-12	0.1376	No Trend
		OU2MW-35S	17	14	0.1	-43	0.0072	Decreasing
		OU2MW-35I	17	14	0.1	-43	0.0072	Decreasing
		OU2MW-36I	17	13	0.1	-58	0.0012	Decreasing
		OU2MW-37S	17	15	0.1	-13	0.3339	No Trend
		OU2MW-37I	17	2	267	-23	0.3430	No Trend
		OU2MW-37I2	17	16	0.1	-12	0.2207	No Trend
		OU2MW-38S	8	7	0.1	-5	0.2752	No Trend
		OU2MW-38I	8	1	75.5	-18	0.0260	Decreasing
		OU2MW-38I2	8	6	0.1	13	0.0326	Increasing
		OU2MW-38D	8	7	0.1	7	0.1266	No Trend
		OU2MW-39S	17	16	0.1	-10	0.3074	No Trend
		OU2MW-39I	17	11	0.1	7	0.7340	No Trend
		OU2MW-39I2	17	7	1	57	0.0144	Increasing
		OU2MW-39D	17	16	0.1	6	0.5403	No Trend
		OU2MW-42S	15	8	0.1	-33	0.0728	Decreasing
		OU2MW-42I	15	3	18	14	0.4865	No Trend
		OU2MW-42I2	15	12	0.1	31	0.0267	Increasing
		OU2MW-42D	15	3	17	12	0.5508	No Trend
Cooper Lane	Downgradient	BBMW-02S	15	13	0.1	5	0.6722	No Trend
		OU2MW-19I	13	1	110	-52	0.0015	Decreasing
		OU2MW-19I2	13	2	61	-52	0.0015	Decreasing
		OU2MW-19D	12	1	132.5	-50	0.0006	Decreasing
		OU2MW-20S	13	12	0.1	-10	0.1814	No Trend
		OU2MW-20I	13	1	108	-30	0.0672	Decreasing
		OU2MW-20I2	13	12	0.1	-12	0.1088	No Trend
		OU2MW-43S	8	2	62.5	-19	0.0178	Decreasing
		OU2MW-43I	8	2	3.5	-12	0.1316	No Trend
		OU2MW-43I2	8	0	14.5	-17	0.0340	Decreasing
		OU2MW-43D	8	0	14.5	-28	0.0005	Decreasing

Table 4-14
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-24S	9	8	0.1	-8	0.1213	No Trend
		BBMW-24I	9	3	2	-5	0.5947	No Trend
		BBMW-24D	9	1	29	10	0.2971	No Trend
		OU2MW-21S	8	6	0.1	-11	0.0705	Decreasing
		OU2MW-21I	10	2	110.5	-32	0.0041	Decreasing
		OU2MW-21I2	10	0	64.5	-18	0.1060	No Trend
		OU2MW-26I	10	2	14.5	-26	0.0196	Decreasing
		OU2MW-26I2	10	1	33.5	4	0.7194	No Trend
		OU2MW-26D	10	0	418	33	0.0032	Increasing
		OU2MW-27I2	4	1	11.5	-4	0.1742	No Trend
		OU2MW-27D	4	2	9.05	-3	0.2786	No Trend
		OU2MW-45S	19	5	9	-69	0.0146	Decreasing
		OU2MW-45I	19	5	8	35	0.2160	No Trend*
		OU2MW-45I2	19	18	0.1	10	0.3613	No Trend
		OU2MW-46S	19	15	0.1	-56	0.0056	Decreasing
		OU2MW-46I	19	12	0.1	-99	0.0001	Decreasing
		OU2MW-46I2	19	10	0.1	-55	0.0361	Decreasing
		OU2MW-47S	19	14	0.1	-44	0.0454	Decreasing
		OU2MW-47I	19	9	1	-104	0.0001	Decreasing
		OU2MW-47I2	19	1	9	-68	0.0170	Decreasing
		OU2MW-47D	19	0	271	-133	0.0000	Decreasing
9 North Clinton Avenue	Downgradient	OU2MW-08S	21	0	617	-72	0.0297	Decreasing
		OU2MW-08I	21	0	196	-79	0.0170	Decreasing
		OU2MW-08I2	21	0	152	-59	0.0747	Decreasing
		OU2MW-08D	21	20	0.1	4	0.7412	No Trend
		OU2MW-28S	18	17	0.1	1	0.9232	No Trend
		OU2MW-28I	20	7	4	-43	0.1526	No Trend
		OU2MW-28I2	18	4	36.5	104	0.0001	Increasing
		OU2MW-29I	18	6	114	-118	0.0000	Decreasing
		OU2MW-29I2	18	0	93	-7	0.7909	No Trend
		OU2MW-29D	18	0	177	-94	0.0004	Decreasing
		OU2MW-30S	18	15	0.1	-46	0.0068	Decreasing
		OU2MW-30I	18	5	213	-91	0.0005	Decreasing
		OU2MW-30I2	18	0	137.5	-65	0.0138	Decreasing
		OU2MW-30I3	18	0	34	-104	0.0001	Decreasing
		OU2MW-30D	18	0	95	-11	0.6769	No Trend
		OU2MW-30D2	18	0	272.5	-32	0.2251	No Trend
		OU2MW-31I	18	6	4	-92	0.0004	Decreasing
		OU2MW-31I2	18	6	27.5	-30	0.2460	No Trend
		OU2MW-32I	18	0	1771.5	-33	0.2113	No Trend
		OU2MW-32I2	18	1	30	-65	0.0133	Decreasing
		OU2MW-32D	18	10	0.1	-63	0.0084	Decreasing
		OU2MW-33I	7	0	36	-9	0.1765	No Trend
		OU2MW-33I2	7	3	1	-10	0.1169	No Trend
		OU2MW-33D	7	6	0.1	-6	0.1336	No Trend
		OU2MW-40I	9	4	24	-24	0.0086	Decreasing
		OU2MW-41S	10	6	0.1	-12	0.2223	No Trend
		OU2MW-41I	10	0	555.5	-39	0.0005	Decreasing

Table 4-14
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-25I	20	4	125.5	-44	0.1515	No Trend
		BBMW-25D	20	4	8	-19	0.5351	No Trend
		OU2MW-01S	22	3	75.5	-116	0.0011	Decreasing
		OU2MW-01I	21	2	77	-109	0.0010	Decreasing
		OU2MW-01I2	21	9	1	-73	0.0212	Decreasing
		OU2MW-02S	20	4	37.5	-102	0.0009	Decreasing
		OU2MW-02I	20	0	370	-91	0.0031	Decreasing
		OU2MW-02I2	20	13	0.1	-2	0.9388	No Trend
		OU2MW-03S	20	2	71.5	-89	0.0039	Decreasing
		OU2MW-03I	20	12	0.1	52	0.0555	Increasing
		OU2MW-03I2	20	13	0.1	30	0.2504	No Trend
		OU2MW-04S	20	0	692	-67	0.0296	Decreasing
		OU2MW-04I	20	1	108.5	-75	0.0149	Decreasing
		OU2MW-04I2	20	12	0.1	24	0.3768	No Trend
		OU2MW-04D	19	14	0.1	10	0.6485	No Trend
Manatuck Lane Line	Upgradient	GM-05S	20	3	12.5	-20	0.5154	No Trend
		GM-05I	17	16	0.1	-8	0.4142	No Trend
		GM-05D	17	14	0.1	-12	0.4521	No Trend
		GMP-01	21	0	372	-36	0.2770	No Trend
		OU2MW-05	20	0	233	-58	0.0599	Decreasing
		OU2MW-11I	15	0	168	-21	0.2987	No Trend
		OU2MW-11I2	15	3	41	-44	0.0287	Decreasing
		OU2MW-11D	15	7	3	64	0.0008	Increasing
	Downgradient	GMP-02	20	13	0.1	-61	0.0194	Decreasing
		GMP-04	20	10	7.55	-110	0.0001	Decreasing
		OU2MW-06	20	13	0.1	-38	0.1449	No Trend
		OU2MW-07S	14	13	0.1	-7	0.3853	No Trend
		OU2MW-07	20	8	2.5	-43	0.1474	No Trend
		OU2MW-10I	14	2	34.5	12	0.5106	No Trend
		OU2MW-10D	14	6	15	18	0.3030	No Trend
		OU2MW-12I	15	0	78	-48	0.0174	Decreasing
		OU2MW-12I2	15	3	7	-4	0.8415	No Trend
		OU2MW-12D	15	7	11	-26	0.1730	No Trend
		OU2MW-13I	14	2	7	-6	0.7414	No Trend
		OU2MW-13D	14	2	10	11	0.5442	No Trend
		OU2MW-52I	6	5	0.1	-5	0.1432	No Trend
		OU2MW-53D	6	5	0.1	1	0.7697	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 4-15
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-17S	11	10	0.1	-8	0.2059	No Trend
		OU2MW-17I	11	4	2	-20	0.1086	No Trend
		OU2MW-17I2	11	10	0.1	-8	0.2059	No Trend
		OU2MW-18I	10	0	3747.5	-13	0.2449	No Trend
		OU2MW-18I2	10	8	0.1	13	0.0924	Increasing
	Downgradient	OU2MW-22I	8	4	11.05	-12	0.1109	No Trend
		OU2MW-23I	8	4	31.55	-18	0.0168	Decreasing
		OU2MW-24S	8	6	0.1	3	0.6219	No Trend
		OU2MW-24I	8	2	286.5	-25	0.0018	Decreasing
		OU2MW-24I2	8	7	0.1	-7	0.1266	No Trend
		OU2MW-25I	8	1	67.5	-24	0.0030	Decreasing
		OU2MW-35S	17	16	0.1	-16	0.1025	No Trend
		OU2MW-35I	17	12	0.1	-66	0.0007	Decreasing
		OU2MW-35I2	17	16	0.1	-6	0.5403	No Trend
		OU2MW-35D	17	16	0.1	-16	0.1025	No Trend
		OU2MW-36I	17	13	0.1	-58	0.0012	Decreasing
		OU2MW-36I2	17	16	0.1	2	0.8383	No Trend
		OU2MW-36D	17	16	0.1	-14	0.1530	No Trend
		OU2MW-37S	17	16	0.1	-12	0.2207	No Trend
		OU2MW-37I	17	4	23	-54	0.0250	Decreasing
		OU2MW-37I2	17	15	0.1	-17	0.2064	No Trend
		OU2MW-38I	8	3	37.5	-25	0.0015	Decreasing
		OU2MW-38I2	8	7	0.1	7	0.1266	No Trend
		OU2MW-38D	8	7	0.1	7	0.1266	No Trend
		OU2MW-39I	17	14	0.1	-45	0.0049	Decreasing
		OU2MW-39I2	17	2	55	50	0.0391	Increasing
		OU2MW-42S	15	8	0.1	-29	0.1163	No Trend
		OU2MW-42I	15	6	2	43	0.0272	Increasing
		OU2MW-42I2	15	14	0.1	10	0.2472	No Trend
		OU2MW-42D	15	0	80	24	0.2344	No Trend
Cooper Lane	Downgradient	BBMW-02S	15	14	0.1	-8	0.3545	No Trend
		OU2MW-19I	13	1	92	-62	0.0002	Decreasing
		OU2MW-19I2	13	0	3337	-50	0.0023	Decreasing
		OU2MW-19D	12	3	1771	-35	0.0155	Decreasing
		OU2MW-20I	13	5	2	-10	0.5287	No Trend
		OU2MW-20I2	13	12	0.1	-12	0.1088	No Trend
		OU2MW-20D	12	10	0.1	-12	0.1974	No Trend
		OU2MW-43S	8	2	38.5	-27	0.0008	Decreasing
		OU2MW-43I	8	3	18	-24	0.0021	Decreasing
		OU2MW-43I2	8	1	90.5	-18	0.0260	Decreasing
		OU2MW-43D	8	0	49	-20	0.0133	Decreasing

Table 4-15
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-24S	9	7	0.1	-7	0.3106	No Trend
		BBMW-24I	9	8	0.1	-2	0.6985	No Trend
		BBMW-24D	9	0	113	8	0.4042	No Trend
		OU2MW-21S	8	3	6.5	-17	0.0304	Decreasing
		OU2MW-21I	10	2	57.5	-32	0.0041	Decreasing
		OU2MW-21I2	10	0	677	-39	0.0005	Decreasing
		OU2MW-26S	10	9	0.1	-7	0.2230	No Trend
		OU2MW-26I	10	3	2	-19	0.0833	Decreasing
		OU2MW-26I2	10	1	20.5	-31	0.0056	Decreasing
		OU2MW-26D	10	0	2761.5	23	0.0397	Increasing
		OU2MW-27I	4	2	1.05	-5	0.0710	Decreasing
		OU2MW-27I2	4	1	5	-4	0.1742	No Trend
		OU2MW-27D	4	1	1.5	-2	0.4969	No Trend
		OU2MW-45S	19	13	0.1	-15	0.5218	No Trend
		OU2MW-45I	19	2	5	30	0.2896	No Trend
		OU2MW-45I2	19	17	0.1	-35	0.0204	Decreasing
		OU2MW-45D	19	18	0.1	0	1.0000	No Trend
		OU2MW-46S	19	17	0.1	-31	0.0399	Decreasing
		OU2MW-46I	19	12	0.1	-102	0.0000	Decreasing
		OU2MW-46I2	19	14	0.1	-42	0.0561	Decreasing
		OU2MW-47S	19	18	0.1	-18	0.1003	No Trend*
		OU2MW-47I	19	10	0.1	-64	0.0148	Decreasing
		OU2MW-47I2	19	3	8	-73	0.0102	Decreasing
		OU2MW-47D	19	2	3906	-134	0.0000	Decreasing
9 North Clinton Avenue	Downgradient	OU2MW-08WT	14	11	0.1	-12	0.3555	No Trend
		OU2MW-08S	21	0	6504	-100	0.0025	Decreasing
		OU2MW-08I	21	0	2954	-46	0.1648	No Trend
		OU2MW-08I2	21	1	1454	-26	0.4324	No Trend
		OU2MW-08D	21	18	0.1	-7	0.7262	No Trend
		OU2MW-28I	20	10	0.55	-49	0.0876	Decreasing
		OU2MW-28I2	18	4	305.5	73	0.0054	Increasing
		OU2MW-29I	18	5	130	-108	0.0000	Decreasing
		OU2MW-29I2	18	0	621	-107	0.0001	Decreasing
		OU2MW-29D	18	0	2376	-15	0.5699	No Trend
		OU2MW-30S	18	15	0.1	-44	0.0096	Decreasing
		OU2MW-30I	18	3	23.5	-86	0.0011	Decreasing
		OU2MW-30I2	18	0	249	-129	0.0000	Decreasing
		OU2MW-30I3	18	1	66	-84	0.0015	Decreasing
		OU2MW-30D	18	0	216.5	-87	0.0010	Decreasing
		OU2MW-30D2	18	1	1833.5	1	0.9698	No Trend
		OU2MW-31I	18	8	4	-82	0.0011	Decreasing
		OU2MW-31I2	18	7	1	-63	0.0134	Decreasing
		OU2MW-32S	18	17	0.1	-13	0.2103	No Trend
		OU2MW-32I	18	0	2816	-90	0.0006	Decreasing
		OU2MW-32I2	18	0	287.5	-59	0.0254	Decreasing
		OU2MW-32D	18	9	1.05	-77	0.0017	Decreasing
		OU2MW-33I	7	0	63	-15	0.0243	Decreasing
		OU2MW-33I2	7	1	14	-9	0.1765	No Trend
		OU2MW-40I	9	2	25	-31	0.0012	Decreasing
		OU2MW-41S	10	7	0.1	6	0.5041	No Trend
		OU2MW-41I	10	1	658.5	-31	0.0056	Decreasing

Table 4-15
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-25I	20	3	94	-40	0.1933	No Trend
		BBMW-25D	20	11	0.1	-84	0.0027	Decreasing
		OU2MW-01WT	15	14	0.1	-14	0.1052	No Trend
		OU2MW-01S	22	8	57.5	-105	0.0024	Decreasing
		OU2MW-01I	21	6	90	-135	0.0000	Decreasing
		OU2MW-01I2	21	13	0.1	-62	0.0312	Decreasing
		OU2MW-02S	20	4	51.5	-112	0.0003	Decreasing
		OU2MW-02I	20	0	2450	-80	0.0094	Decreasing
		OU2MW-02I2	20	12	0.1	-45	0.0972	Decreasing
		OU2MW-02D	20	17	0.1	-14	0.4610	No Trend
		OU2MW-03S	20	1	102.5	-88	0.0043	Decreasing
		OU2MW-03I	20	12	0.1	28	0.3025	No Trend
		OU2MW-03I2	20	14	0.1	-44	0.0761	Decreasing
		OU2MW-03D	20	18	0.1	-5	0.7533	No Trend
		OU2MW-04S	20	0	3782	-90	0.0035	Decreasing
		OU2MW-04I	20	7	67	-81	0.0071	Decreasing
		OU2MW-04I2	20	7	15	-61	0.0427	Decreasing
Manatuck Lane Line	Upgradient	GM-05S	20	7	7	36	0.1947	No Trend
		GM-05I	17	16	0.1	-8	0.4142	No Trend
		GM-05D	17	16	0.1	-12	0.2207	No Trend
		GMP-01	20	0	1968	-108	0.0005	Decreasing
		OU2MW-05	20	0	503.5	-116	0.0002	Decreasing
		OU2MW-11S	15	13	0.1	-5	0.6722	No Trend
		OU2MW-11I	15	0	663	-29	0.1513	No Trend
		OU2MW-11I2	15	4	52	-23	0.2499	No Trend
		OU2MW-11D	15	6	7	42	0.0312	Increasing
	Downgradient	GMP-02	20	17	0.1	-44	0.0205	Decreasing
		GMP-04	20	10	0.55	-101	0.0004	Decreasing
		OU2MW-06S	14	12	0.1	-15	0.1727	No Trend
		OU2MW-06	20	16	0.1	-44	0.0395	Decreasing
		OU2MW-07S	14	13	0.1	-9	0.2643	No Trend
		OU2MW-07	20	17	0.1	-40	0.0352	Decreasing
		OU2MW-10S	13	12	0.1	-4	0.5930	No Trend
		OU2MW-10I	14	2	17	22	0.2277	No Trend
		OU2MW-10D	14	7	0.55	12	0.4805	No Trend
		OU2MW-12S	15	14	0.1	-14	0.1052	No Trend
		OU2MW-12I	15	0	137	-55	0.0065	Decreasing
		OU2MW-12I2	15	2	7	-20	0.3205	No Trend
		OU2MW-12D	15	6	35	-32	0.1007	No Trend
		OU2MW-13I	14	1	9	8	0.6600	No Trend
		OU2MW-13D	14	1	15	26	0.1511	No Trend
		OU2MW-52I	6	4	0.1	-5	0.2595	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 4-16
Summary of Historic Total BTEX Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 3 (OU-3)

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (ug/L)									
		Sampling Date									
		1992	1997		1998			1999			
		Sep	Jun	Aug	Mar	Jun	Dec	Mar	Jun	Sep	Oct/Nov
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
MW-02I/I-R	22.5 - 23.5	--	--	238,900	1,435	4,201	650	965	144	0	65
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
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
MW-16I	14.0 - 19.0	--	--	--	24	10	55	1	45	0	0

Table 4-16
Summary of Historic Total BTEX Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 3 (OU-3)

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (ug/L)									
		Sampling Date									
		1992	1997		1998			1999			
		Sep	Jun	Aug	Mar	Jun	Dec	Mar	Jun	Sep	Oct/Nov
MW-17W	2.0 - 10.0	--	0	--	--	--	--	--	--	--	--
MW-26D	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--
MW-29S	5.0 - 10.0	--	--	--	--	--	0	0	--	0	0
MW-29D	14.0 - 19.0	--	--	--	0	--	0	0	0	0	0
MW-30W/W-R	2.0 - 9.0	--	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
MW-34I	18.5 - 19.5	--	--	25,600	--	0	3	0	0	0	6
MW-34D	27.5 - 28.5	--	--	16,200	--	35	3	0	1	0	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
MW-65	11.0 - 16.0	--	--	--	0	--	--	--	--	18	--
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
MWBS-02I	14.5 - 15.5	--	--	13	330	347	341	9,998	608	0	7
MWBS-02D	24.5 - 25.5	--	--	62	0	--	2,450	23	25	0	17,530
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	--	--	--	--	--	--	--	--	--	--

Table 4-16
Summary of Historic Total BTEX Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 3 (OU-3)

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (ug/L)									
		Sampling Date									
		1992	1997		1998			1999			
		Sep	Jun	Aug	Mar	Jun	Dec	Mar	Jun	Sep	Oct/Nov
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-05S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--
OU3MW-05I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--
OU3MW-06	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--
OU3MW-07S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--
OU3MW-07I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--
OU3MW-07I2	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--
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 4-16
Summary of Historic Total BTEX Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 3 (OU-3)

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (ug/L)									
		Sampling Date									
		2000				2001				2002	
		Feb	May	Sep	Nov/Dec	Mar	Jun	Sep	Dec	Jan/Feb	Mar
BBMW-09S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
BBMW-09I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--
BBMW-09D	62.0 - 72.0	--	--	--	--	--	--	--	--	--	--
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/S-R	2.0 - 12.0	73,000	73,200	137,000	123,100	--	--	--	--	159,200	149,000
MW-02I/I-R	22.5 - 23.5	199	33	--	--	--	--	--	--	--	--
MW-03	4.94 - 14.94	--	--	--	--	--	--	--	--	--	24
MW-04	5.1 - 15.1	--	--	--	--	--	--	--	--	--	--
MW-11W	2.0 - 10.0	1,401	2,360	--	1,390	242	4,900	170	489	--	2,410
MW-12W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--
MW-16W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--
MW-16SR	2.0 - 10.0	71,900	34,900	55,990	15,370	--	--	3,350	122,600	75,500	59,800
MW-16I	14.0 - 19.0	6	12	0	--	--	--	--	--	--	--

Table 4-16
Summary of Historic Total BTEX Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 3 (OU-3)

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (ug/L)									
		Sampling Date									
		2000				2001				2002	
		Feb	May	Sep	Nov/Dec	Mar	Jun	Sep	Dec	Jan/Feb	Mar
MW-17W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--
MW-26D	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--
MW-29S	5.0 - 10.0	0	0	10	0	0	2	0	0	--	--
MW-29D	14.0 - 19.0	0	0	8	--	--	--	--	--	--	--
MW-30W/W-R	2.0 - 9.0	--	--	--	27,200	16	0	40	6,240	--	77
MW-32W/W-R	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--
MW-34S	2.0 - 10.0	22,700	9,600	--	8,621	5	3,530	1,500	8	--	71
MW-34I	18.5 - 19.5	10	3	0	--	--	--	--	--	--	--
MW-34D	27.5 - 28.5	15	0	55	--	--	--	--	--	--	--
MW-45W	2.0 - 10.0	--	--	13,230	134	53,700	1,240	24	219	--	--
MW-46W/W-R	2.0 - 10.0	--	--	57,900	25,300	23,800	17,300	--	--	--	--
MW-64	19.0 - 24.0	25	--	0	0	0	0	--	84	--	--
MW-65	11.0 - 16.0	31	0	0	0	1	0	51	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	--	--	41,100	8,160	7,920	31	7	0	--	403
MW-73	2.0 - 12.0	--	--	--	--	--	--	--	--	29,500	8,990
MW-75	2.0 - 12.0	--	--	--	--	--	--	--	6,580	4,010	78
MW-76	2.0 - 12.0	--	--	--	--	--	--	--	--	2,702	230
MW-78	5.0 - 20.0	--	--	--	--	--	--	--	--	17,400	3,790
MW-79	5.0 - 20.0	--	--	--	--	--	--	--	--	--	2,090
MW-80	5.0 - 20.0	--	--	--	--	--	--	--	--	48,000	635
MW-81	5.0 - 20.0	--	--	--	--	--	--	--	--	--	1,449
MW-82	5.0 - 20.0	--	--	--	--	--	--	--	--	5,840	1,269
MW-83	5.0 - 20.0	--	--	--	--	--	--	--	--	189	120
MWBS-01S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
MWBS-02S	5.0 - 15.0	50	0	0	6	4	0	0	0	--	1
MWBS-02I	14.5 - 15.5	12	0	0	4,740	0	59	20	0	--	84
MWBS-02D	24.5 - 25.5	0	0	0	--	--	--	--	--	--	--
MW-UST1	2.0 - 12.0	--	--	--	--	--	--	--	--	--	694
MW-UST2	2.0 - 12.0	--	--	--	--	--	--	--	--	--	661
MW-UST3	2.0 - 12.0	--	--	--	--	--	--	--	--	--	75
OU3MW-01S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--
OU3MW-02S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--

Table 4-16
Summary of Historic Total BTEX Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 3 (OU-3)

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (ug/L)									
		Sampling Date									
		2000				2001				2002	
		Feb	May	Sep	Nov/Dec	Mar	Jun	Sep	Dec	Jan/Feb	Mar
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-05S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--
OU3MW-05I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--
OU3MW-06	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--
OU3MW-07S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--
OU3MW-07I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--
OU3MW-07I2	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--
PDMW-01	5.0 - 20.0	--	--	--	--	--	--	--	--	30,700	19,700
PDMW-02	5.0 - 20.0	--	--	--	--	--	--	--	--	86,100	72,600
PDMW-03	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
SV-02	2.0 - 12.0	--	--	--	--	--	--	--	--	52	40
SV-03	2.0 - 12.0	--	--	--	--	--	--	--	--	14,780	203

Table 4-16
Summary of Historic Total BTEX Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 3 (OU-3)

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (ug/L)									
		Sampling Date									
		2002				2003			2004		
		Apr/May	Jun/Jul	Aug/Sep	Nov/Dec	Feb-Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May	Jul/Aug
BBMW-09S	5.0 - 15.0	2	--	3	5	0	0	0	0	0	0
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	--	--	--	--	--	--	--	7,580	5,380	83
MW-01S	4.0 -14.0	--	--	--	--	--	--	--	--	--	--
MW-01D	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--
MW-02S/S-R	2.0 - 12.0	166,500	180,000	134,000	149,600	99,400	124,800	263,000	149,000	172,400	22,000
MW-02I/I-R	22.5 - 23.5	--	--	--	--	--	--	63	14	--	--
MW-03	4.94 - 14.94	24	--	3	28	23	85	--	35	51	52
MW-04	5.1 - 15.1	2	--	28	9	0	69	--	0	0	0
MW-11W	2.0 - 10.0	--	175	101	17	172	382	16	0	0	0
MW-12W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--
MW-16W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--
MW-16SR	2.0 - 10.0	24,550	22,700	45,500	4,424	10,400	27,260	42,700	354	1,320	41,800
MW-16I	14.0 - 19.0	--	2	--	--	--	--	0	0	--	--

Table 4-16
Summary of Historic Total BTEX Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 3 (OU-3)

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (ug/L)									
		Sampling Date									
		2002				2003			2004		
		Apr/May	Jun/Jul	Aug/Sep	Nov/Dec	Feb-Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May	Jul/Aug
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
MW-29D	14.0 - 19.0	--	0	--	--	--	--	--	0	--	--
MW-30W/W-R	2.0 - 9.0	--	0	104	170	--	--	--	--	--	--
MW-32W/W-R	2.0 - 10.0	--	--	--	--	--	2,290	4,832	1,189	2,048	74,400
MW-34S	2.0 - 10.0	--	7,440	179	2,142	2,141	34,600	2,827	13,000	13,900	3,364
MW-34I	18.5 - 19.5	--	3,690	--	--	--	--	--	4,090	--	--
MW-34D	27.5 - 28.5	--	0	--	--	--	0	0	0	--	--
MW-45W	2.0 - 10.0	2,550	7	1	0	--	8,500	720	1,950	25,000	2,780
MW-46W/W-R	2.0 - 10.0	--	--	--	21,100	35,800	18,800	8,800	43,400	20,800	23,100
MW-64	19.0 - 24.0	9	0	0	14	85,000	0	0	0	0	24
MW-65	11.0 - 16.0	9	0	0	31	0	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	--	100	3	5	23,800	12	1,170	1,114	6,150	39,400
MW-73	2.0 - 12.0	7,140	9,400	26,600	5,220	--	64,000	89,000	34,000	33,000	71,500
MW-75	2.0 - 12.0	45	65,700	82,800	158	1,260	161,100	110,500	4,060	1,302	34,500
MW-76	2.0 - 12.0	37	252	4,560	21	0	109	136	0	--	0
MW-78	5.0 - 20.0	2,156	2,840	17,700	1,320	11,960	30,800	42,000	11,800	18,200	13,400
MW-79	5.0 - 20.0	627	74,200	87,100	12,700	69,800	101,600	93,700	116,000	82,600	34,820
MW-80	5.0 - 20.0	457	6,220	87,600	387	33,300	88,000	126,000	118,000	96,000	81,400
MW-81	5.0 - 20.0	1,318	28,200	31,600	1,530	12,930	53,600	33,000	63,000	25,000	20,400
MW-82	5.0 - 20.0	110	26,900	48,300	1,444	17,910	245,000	46,000	20,280	9,160	30,300
MW-83	5.0 - 20.0	3	458	1,297	8	62	40	950	0	54	0
MWBS-01S	5.0 - 15.0	0	--	--	--	--	--	--	--	--	--
MWBS-02S	5.0 - 15.0	--	0	0	0	0	0	0	2,853	323	0
MWBS-02I	14.5 - 15.5	--	0	0	--	0	--	--	0	0	0
MWBS-02D	24.5 - 25.5	--	3	--	--	0	--	--	0	--	--
MW-UST1	2.0 - 12.0	885	--	307	1,727	1,033	1,110	1,911	51	2,343	2,700
MW-UST2	2.0 - 12.0	1,340	--	335	599	1,160	2,400	1,854	440	1,812	3,800
MW-UST3	2.0 - 12.0	141	--	21	46	33	79	74	145	320	0
OU3MW-01S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--
OU3MW-02S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--

Table 4-16
Summary of Historic Total BTEX Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 3 (OU-3)

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (ug/L)									
		Sampling Date									
		2002				2003			2004		
		Apr/May	Jun/Jul	Aug/Sep	Nov/Dec	Feb-Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May	Jul/Aug
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-05S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--
OU3MW-05I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--
OU3MW-06	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--
OU3MW-07S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--
OU3MW-07I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--
OU3MW-07I2	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--
PDMW-01	5.0 - 20.0	23,100	--	--	14,500	1,400	0	0	0	0	0
PDMW-02	5.0 - 20.0	67,700	93,600	53,300	--	--	68,000	74,000	115,900	117,600	82,000
PDMW-03	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
SV-02	2.0 - 12.0	2	137	820	2	127	73,800	92,300	0	0	0
SV-03	2.0 - 12.0	90	2,110	6,410	4	5,870	9,810	23,100	33,200	11,600	615

Table 4-16
Summary of Historic Total BTEX Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 3 (OU-3)

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (ug/L)									
		Sampling Date									
		2004	2005				2006				2007
		Nov/Dec	Feb/Mar	Jun	Aug	Nov/Dec	March	Jun	Jul/Aug	Nov/Dec	March
BBMW-09S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0
BBMW-09I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	0
BBMW-09D	62.0 - 72.0	--	--	--	--	--	--	--	--	--	0
BBMW-28S	2.0 - 12.0	--	0	0	0	0	--	--	--	--	0
BBMW-28I	10.0 - 20.0	--	0	0	0	0	--	--	--	--	0
BBMW-29	2.0 - 9.0	--	0	0	0	4,368	974	134	0	0	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	--	--	--	--	--	0	0	0	0	0
BW-UST-10	5.0 - 10.0	--	--	--	--	--	--	--	--	0	0
BW-UST-11	5.0 - 10.0	--	--	--	--	--	--	--	--	0	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	10	21,100	290	3,627	45	0	0	0	101	2,300
MW-01S	4.0 -14.0	0	--	--	--	460	--	0	0	0	0
MW-01D	35.0 - 45.0	--	--	--	--	--	--	0	0	0	0
MW-02S/S-R	2.0 - 12.0	427	2,050	13	94	194	945	51	0	68	346
MW-02I/I-R	22.5 - 23.5	--	62	--	--	--	0	--	--	--	0
MW-03	4.94 - 14.94	0	22	28	24	27	0	24	28	14	0
MW-04	5.1 - 15.1	0	0	0	0	0	12	0	0	0	0
MW-11W	2.0 - 10.0	1,449	30	6,580	1,400	2,071	190	61	0	933	42
MW-12W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	0
MW-16W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--
MW-16SR	2.0 - 10.0	317	66,800	65,500	34,600	45,820	42,100	15,000	17,900	18,600	12,250
MW-16I	14.0 - 19.0	--	0	--	--	--	0	--	--	--	0

Table 4-16
Summary of Historic Total BTEX Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 3 (OU-3)

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (ug/L)									
		Sampling Date									
		2004	2005				2006				2007
		Nov/Dec	Feb/Mar	Jun	Aug	Nov/Dec	March	Jun	Jul/Aug	Nov/Dec	March
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
MW-29D	14.0 - 19.0	0	--	--	--	0	--	--	--	--	0
MW-30W/W-R	2.0 - 9.0	--	0	0	10	0	0	106	130	0	0
MW-32W/W-R	2.0 - 10.0	33,300	8,413	5,171	4,400	9,200	4,565	5,950	5,100	1,502	1,060
MW-34S	2.0 - 10.0	12,370	5,068	11,700	29,200	3,820	14,600	25,500	9,240	5,760	85
MW-34I	18.5 - 19.5	--	1,348	--	--	--	0	--	--	--	0
MW-34D	27.5 - 28.5	--	0	--	--	--	0	--	--	--	0
MW-45W	2.0 - 10.0	11,300	39,300	14,000	19,300	16,100	14,600	2,214	1,720	5,770	3,200
MW-46W/W-R	2.0 - 10.0	22,500	37,100	40,200	42,400	15,760	17,110	7,270	2,750	2,330	1,256
MW-64	19.0 - 24.0	7,650	0	5,651	0	750	19	0	0	0	0
MW-65	11.0 - 16.0	3,852	0	0	0	0	0	0	0	0	0
MW-66S	1.5 - 11.5	--	--	--	--	--	--	--	--	--	0
MW-66D	24.0 - 29.0	--	--	--	--	--	--	--	--	--	0
MW-68D	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--
MW-70/70S	2.0 - 12.0	70	267	45,500	57,000	4,630	4,360	175	277	363	31
MW-73	2.0 - 12.0	27,700	26,700	26,500	52,000	557	8,460	14,520	36,200	15,070	18,700
MW-75	2.0 - 12.0	212	1,815	129,200	157,100	17,000	5,389	1,540	3,600	491	580
MW-76	2.0 - 12.0	33	0	170	23	0	27	0	0	0	0
MW-78	5.0 - 20.0	8,400	15,700	21,800	8,700	3,090	5,900	4,710	18,100	4,080	2,320
MW-79	5.0 - 20.0	24,100	32,300	9,800	7,300	588	3,740	3,320	1,220	7,690	13,900
MW-80	5.0 - 20.0	66,900	132,000	197,000	301,000	38,300	44,000	38,700	6,170	41,100	148,000
MW-81	5.0 - 20.0	35,200	37,800	22,870	29,100	15,660	5,000	9,510	3,499	16,900	65,800
MW-82	5.0 - 20.0	10,400	5,340	25,300	140	58,900	44,200	30,000	43,400	21,800	7,144
MW-83	5.0 - 20.0	1,543	788	980	1,280	142	101	0	5,042	161	41
MWBS-01S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
MWBS-02S	5.0 - 15.0	0	22	82	0	0	0	0	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	--	87	--	--	--	191	--	--	--	0
MW-UST1	2.0 - 12.0	240	122	660	830	1,083	117	1,270	2,400	944	950
MW-UST2	2.0 - 12.0	1,430	3,117	1,880	2,700	1,410	1,652	1,925	3,011	1,250	960
MW-UST3	2.0 - 12.0	22	247	41	12	0	0	19	0	0	14
OU3MW-01S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--
OU3MW-02S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--

Table 4-16
Summary of Historic Total BTEX Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 3 (OU-3)

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (ug/L)									
		Sampling Date									
		2004	2005				2006				2007
		Nov/Dec	Feb/Mar	Jun	Aug	Nov/Dec	March	Jun	Jul/Aug	Nov/Dec	March
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-05S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--
OU3MW-05I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--
OU3MW-06	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--
OU3MW-07S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--
OU3MW-07I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--
OU3MW-07I2	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--
PDMW-01	5.0 - 20.0	0	0	0	0	0	0	0	0	0	0
PDMW-02	5.0 - 20.0	83,000	90,000	60,300	37,300	100,000	19,500	85,100	67,500	98,000	62,700
PDMW-03	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
SV-02	2.0 - 12.0	0	0	26,900	24,900	25,500	1,600	32	27,400	42	0
SV-03	2.0 - 12.0	4,400	936	5,509	249	2,702	570	257	831	116	65

Table 4-16
Summary of Historic Total BTEX Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 3 (OU-3)

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (ug/L)								
		Sampling Date								
		2007			2008				2009	
		May-Jul	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun
BBMW-09S	5.0 - 15.0	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	0
BBMW-28I	10.0 - 20.0	0	0	0	0	0	0	0	0	0
BBMW-29	2.0 - 9.0	0	0	0	0	0	0	0	0	0
BBMW-30S	2.0 - 10.0	0	0	0	0	--	--	--	0	--
BBMW-30I	14.0 - 19.0	0	0	0	0	--	--	--	0	--
BBMW-30D	30.0 - 35.0	0	0	0	0	--	--	--	0	--
BBMW-31S	2.0 - 10.0	0	0	0	0	--	--	--	2	--
BBMW-31I	14.0 - 19.0	0	0	0	0	--	--	--	3	--
BBMW-31D	30.0 - 35.0	0	0	0	0	--	--	--	3	--
BBMW-32S	2.0 - 10.0	0	0	0	0	--	--	--	0	--
BBMW-32I	14.0 - 19.0	0	0	0	0	--	--	--	0	--
BBMW-32D	30.0 - 35.0	0	0	0	0	--	--	--	0	--
BBMW-33	7.0 - 12.0	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	1	0	0	-	0	0
BW-UST-28	5.0 - 10.0	0	0	0	0	0	0	0	0	0
BW-UST-29	5.0 - 10.0	0	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	83	0	73	0	0	0	0
MW-01S	4.0 -14.0	0	0	0	0	0	0	0	0	0
MW-01D	35.0 - 45.0	0	0	0	0	--	--	--	0	0
MW-02S/S-R	2.0 - 12.0	625	1,695	248	27	1	16	47	812	64
MW-02I/I-R	22.5 - 23.5	0	0	0	0	0	3	0	0	0
MW-03	4.94 - 14.94	0	20	18	5	5	9	11	6	14
MW-04	5.1 - 15.1	0	0	0	0	0	0	0	0	0
MW-11W	2.0 - 10.0	110	62	97	95	77	35	8	0	0
MW-12W	2.0 - 10.0	0	0	0	0	0	0	0	2	0
MW-16W	2.0 - 10.0	--	--	--	--	--	--	--	--	--
MW-16SR	2.0 - 10.0	6,050	15,870	20,770	36,270	11,710	5,840	14,280	3,275	4,192
MW-16I	14.0 - 19.0	103	0	59	84	17	0	4	0	0

Table 4-16
Summary of Historic Total BTEX Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 3 (OU-3)

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (ug/L)								
		Sampling Date								
		2007			2008				2009	
		May-Jul	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun
MW-17W	2.0 - 10.0	--	--	--	--	--	--	--	--	--
MW-26D	14.0 - 19.0	--	--	--	0	0	0	0	0	--
MW-29S	5.0 - 10.0	0	0	0	0	--	--	--	0	0
MW-29D	14.0 - 19.0	0	0	0	0	--	--	--	0	0
MW-30W/W-R	2.0 - 9.0	0	0	0	0	0	1	0	0	0
MW-32W/W-R	2.0 - 10.0	567	1,080	9,760	2,040	57	0	29	232	91
MW-34S	2.0 - 10.0	9,750	35,100	19,800	7,750	25,870	5,638	9,100	3,636	2,310
MW-34I	18.5 - 19.5	0	5	934	35	0	0	0	0	0
MW-34D	27.5 - 28.5	0	0	0	0	0	0	0	0	0
MW-45W	2.0 - 10.0	43,400	1,236	1,717	3,600	5,690	242	142	4,210	15,700
MW-46W/W-R	2.0 - 10.0	3,810	915	1,400	8,130	1,664	3,471	1,231	525	1,510
MW-64	19.0 - 24.0	0	0	0	0	0	0	0	0	0
MW-65	11.0 - 16.0	0	0	0	4	0	0	7	0	0
MW-66S	1.5 - 11.5	0	0	0	0	0	0	0	0	0
MW-66D	24.0 - 29.0	0	0	0	0	0	0	0	0	0
MW-68D	25.0 - 30.0	--	--	--	--	--	--	--	--	--
MW-70/70S	2.0 - 12.0	268	351	1,577	11,590	7,750	10,910	675	1,124	621
MW-73	2.0 - 12.0	22,500	15,300	14,000	12,800	5,970	9,800	5,380	7,100	62,600
MW-75	2.0 - 12.0	355	9,420	2,254	268	1,802	77,440	1,181	569	7,290
MW-76	2.0 - 12.0	0	4	7	2	0	1	0	0	0
MW-78	5.0 - 20.0	3,050	2,480	2,270	54	167	449	312	2,590	2,140
MW-79	5.0 - 20.0	2,840	2,030	542	3,160	32	3,110	2,060	10,100	189
MW-80	5.0 - 20.0	26,100	41,000	106,000	3,220	18,700	52,300	90,400	55,200	34,500
MW-81	5.0 - 20.0	16,100	36,300	61,800	8,690	1,080	18,840	5,020	257	152
MW-82	5.0 - 20.0	14,460	4,338	17,989	1,164	2,254	6,942	19,071	6,151	403
MW-83	5.0 - 20.0	2,320	6,761	39	36	0	687	2,145	0	0
MWBS-01S	5.0 - 15.0	--	--	--	--	--	--	--	--	--
MWBS-02S	5.0 - 15.0	0	0	8	0	0	0	0	98	0
MWBS-02I	14.5 - 15.5	0	0	0	0	0	17	0	0	3
MWBS-02D	24.5 - 25.5	0	0	0	17	0	0	0	0	0
MW-UST1	2.0 - 12.0	1,250	796	470	--	--	--	--	--	--
MW-UST2	2.0 - 12.0	1,260	1,173	1,686	--	--	--	--	--	--
MW-UST3	2.0 - 12.0	0	6	4	--	--	--	--	--	--
OU3MW-01S	3.0 - 13.0	--	--	--	--	--	--	--	--	--
OU3MW-02S	3.0 - 13.0	--	--	--	--	--	--	--	--	--

Table 4-16
Summary of Historic Total BTEX Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 3 (OU-3)

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (ug/L)								
		Sampling Date								
		2007			2008				2009	
		May-Jul	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun
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-05S	2.0 - 12.0	--	--	--	--	--	--	--	--	--
OU3MW-05I	15.0 - 20.0	--	--	--	--	--	--	--	--	--
OU3MW-06	3.0 - 13.0	--	--	--	--	--	--	--	--	--
OU3MW-07S	3.0 - 13.0	--	--	--	--	--	--	--	--	--
OU3MW-07I	15.0 - 20.0	--	--	--	--	--	--	--	--	--
OU3MW-07I2	20.0 - 25.0	--	--	--	--	--	--	--	--	--
PDMW-01	5.0 - 20.0	0	0	70,920	0	0	0	0	0	0
PDMW-02	5.0 - 20.0	79,700	68,020	84,400	70,570	65,260	51,400	73,810	59,210	46,350
PDMW-03	5.0 - 15.0	--	--	--	--	--	45,561	27,913	14,511	27,515
SV-02	2.0 - 12.0	0	26,000	0	0	0	0	0	26	1
SV-03	2.0 - 12.0	207	185	341	105	477	60	56	29	10

Table 4-16
Summary of Historic Total BTEX Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 3 (OU-3)

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (ug/L)									
		Sampling Date					Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2009		2010							
		Aug-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep					
BBMW-09S	5.0 - 15.0	0	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	2	0	15
BBMW-28S	2.0 - 12.0	0	0	0	0	0	0	0	0	0	0
BBMW-28I	10.0 - 20.0	0	0	0	10	0	0	10	1	0	10
BBMW-29	2.0 - 9.0	0	0	0	0	0	0	4,368	249	0	4,368
BBMW-30S	2.0 - 10.0	--	0	0	0	0	0	0	0	0	0
BBMW-30I	14.0 - 19.0	--	0	0	0	0	0	0	0	0	0
BBMW-30D	30.0 - 35.0	--	0	0	0	0	0	0	0	0	0
BBMW-31S	2.0 - 10.0	--	0	0	0	0	0	2	0	0	2
BBMW-31I	14.0 - 19.0	--	0	0	0	0	0	3	0	0	3
BBMW-31D	30.0 - 35.0	--	0	0	0	0	0	3	0	0	3
BBMW-32S	2.0 - 10.0	--	0	0	0	0	0	0	0	0	0
BBMW-32I	14.0 - 19.0	--	0	0	0	0	0	0	0	0	0
BBMW-32D	30.0 - 35.0	--	0	0	0	2	0	0	0	0	0
BBMW-33	7.0 - 12.0	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	0
BW-UST-11	5.0 - 10.0	0	0	0	0	0	0	1	0	0	1
BW-UST-28	5.0 - 10.0	0	0	0	0	0	0	0	0	0	0
BW-UST-29	5.0 - 10.0	0	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	1,275	0	21,100	1,564	0	21,100
MW-01S	4.0 -14.0	0	0	0	0	0	0	460	20	0	460
MW-01D	35.0 - 45.0	0	--	0	--	--	0	0	0	0	0
MW-02S/S-R	2.0 - 12.0	--	--	--	--	--	0	295,000	77,916	0	295,000
MW-02I/I-R	22.5 - 23.5	--	--	--	--	--	0	238,900	10,281	0	238,900
MW-03	4.94 - 14.94	16	18	14	14	12	0	178	24	0	178
MW-04	5.1 - 15.1	0	0	0	0	0	0	69	4	0	69
MW-11W	2.0 - 10.0	27	0	0	0	0	0	6,910	981	0	6,910
MW-12W	2.0 - 10.0	0	0	0	0	0	0	2	0	0	2
MW-16W	2.0 - 10.0	--	--	--	--	--	55	55	55	55	55
MW-16SR	2.0 - 10.0	--	--	--	--	--	317	122,600	30,530	317	122,600
MW-16I	14.0 - 19.0	--	--	--	--	--	0	103	17	0	103

Table 4-16
Summary of Historic Total BTEX Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 3 (OU-3)

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (ug/L)									
		Sampling Date					Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2009		2010							
		Aug-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep					
MW-17W	2.0 - 10.0	--	--	--	--	--	0	0	0	0	0
MW-26D	14.0 - 19.0	--	--	--	--	--	0	0	0	0	0
MW-29S	5.0 - 10.0	0	0	0	0	--	0	10	0	0	10
MW-29D	14.0 - 19.0	0	0	0	0	--	0	8	0	0	8
MW-30W/W-R	2.0 - 9.0	0	0	0	0	3	0	27,200	1,432	0	27,200
MW-32W/W-R	2.0 - 10.0	277	2	120	0	0	0	74,400	8,230	0	74,400
MW-34S	2.0 - 10.0	57	2	16	80	4,080	2	49,500	11,918	2	49,500
MW-34I	18.5 - 19.5	0	0	0	0	222	0	25,600	1,276	0	25,600
MW-34D	27.5 - 28.5	0	0	0	0	0	0	16,200	544	0	16,200
MW-45W	2.0 - 10.0	1,737	15	323	1,075	1	0	53,700	8,059	0	53,700
MW-46W/W-R	2.0 - 10.0	811	559	431	1,135	954	431	57,900	15,841	431	57,900
MW-64	19.0 - 24.0	0	0	0	0	2,270	0	85,000	2,157	0	85,000
MW-65	11.0 - 16.0	0	0	0	0	0	0	3,852	93	0	3,852
MW-66S	1.5 - 11.5	0	0	0	0	0	0	0	0	0	0
MW-66D	24.0 - 29.0	0	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	410	57	169	353	754	0	57,000	7,126	0	57,000
MW-73	2.0 - 12.0	45,100	7,400	8,970	12,000	612	557	89,000	24,520	557	89,000
MW-75	2.0 - 12.0	68,310	935	1,375	608	50,410	45	161,100	26,690	45	161,100
MW-76	2.0 - 12.0	0	0	0	2	0	0	4,560	245	0	4,560
MW-78	5.0 - 20.0	3,370	599	650	--	4,890	54	42,000	8,362	54	42,000
MW-79	5.0 - 20.0	893	6,780	1,020	4,290	274	32	116,000	24,007	32	116,000
MW-80	5.0 - 20.0	8,750	20,100	3,750	11,260	20,090	387	301,000	62,013	387	301,000
MW-81	5.0 - 20.0	607	25,120	6,120	7,730	24,400	152	65,800	20,623	152	65,800
MW-82	5.0 - 20.0	1,822	4,140	4,260	18,100	1,890	110	245,000	22,864	110	245,000
MW-83	5.0 - 20.0	66	0	0	4	10	0	6,761	723	0	6,761
MWBS-01S	5.0 - 15.0	--	--	--	--	--	0	151	51	0	151
MWBS-02S	5.0 - 15.0	268	103	939	56	115	0	5,510	243	0	5,510
MWBS-02I	14.5 - 15.5	30	14	4	107	83	0	9,998	364	0	9,998
MWBS-02D	24.5 - 25.5	0	0	1	0	0	0	17,530	703	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	0	0	0	0	0	0	0	0	0
OU3MW-02S	3.0 - 13.0	0	0	5	0	0	0	5	1	0	5

Table 4-16
Summary of Historic Total BTEX Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 3 (OU-3)

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (ug/L)									
		Sampling Date					Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2009		2010							
		Aug-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep					
OU3MW-02I	15.0 - 20.0	0	0	0	0	0	0	0	0	0	0
OU3MW-03S	1.0 - 11.0	58	0	0	15	0	0	58	18	0	58
OU3MW-03I	20.0 - 25.0	0	0	4	132	0	0	132	34	0	132
OU3MW-04S	1.0 - 11.0	37	114	0	0	7	0	114	38	0	114
OU3MW-04I	16.0 - 21.0	187	0	0	336	208	0	336	131	0	336
OU3MW-04D	26.0 - 31.0	0	0	0	0	0	0	0	0	0	0
OU3MW-05S	2.0 - 12.0	--	0	0	0	0	0	0	0	0	0
OU3MW-05I	15.0 - 20.0	--	0	0	0	0	0	0	0	0	0
OU3MW-06	3.0 - 13.0	0	0	0	0	7	0	0	0	0	7
OU3MW-07S	3.0 - 13.0	--	--	3,461	39	8	39	3,461	1,750	8	3,461
OU3MW-07I	15.0 - 20.0	--	--	0	0	0	0	0	0	0	0
OU3MW-07I2	20.0 - 25.0	--	--	0	0	0	0	0	0	0	0
PDMW-01	5.0 - 20.0	--	0	0	0	0	0	70,920	5,010	0	70,920
PDMW-02	5.0 - 20.0	--	--	--	--	--	19,500	117,600	73,549	19,500	117,600
PDMW-03	5.0 - 15.0	--	--	--	--	--	14,511	45,561	28,875	14,511	45,561
SV-02	2.0 - 12.0	34,300	4	0	212	32,000	0	92,300	9,548	0	92,300
SV-03	2.0 - 12.0	5	8	0	0	5	0	33,200	3,569	0	33,200

Notes for groundwater tables are compiled at the end of the Tables in this section.

Table 4-17
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 bgs)	Total PAH Groundwater Concentrations (ug/L)										
		Sampling Date										
		1992	1997		1998			1999				2000
		Sep	Jun	Aug	Mar	Jun	Dec	Mar	Jun	Sep	Oct/Nov	Feb
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	1,530
MW-02I/I-R	22.5 - 23.5	--	--	6,478	99	12	11	10	1	0	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	290
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	1,910
MW-16I	14.0 - 19.0	--	--	--	18	0	0	3	0	0	7	0

Table 4-17
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 bgs)	Total PAH Groundwater Concentrations (ug/L)										
		Sampling Date										
		1992	1997		1998			1999				2000
		Sep	Jun	Aug	Mar	Jun	Dec	Mar	Jun	Sep	Oct/Nov	Feb
MW-17W	2.0 - 10.0	--	11	--	--	--	--	--	--	--	--	--
MW-26D	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--
MW-29S	5.0 - 10.0	--	--	--	--	--	0	0	--	0	516	0
MW-29D	14.0 - 19.0	--	--	--	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	611
MW-34I	18.5 - 19.5	--	--	103	--	0	0	2	8	0	0	0
MW-34D	27.5 - 28.5	--	--	10	--	0	0	0	2	0	0	0
MW-45W	2.0 - 10.0	--	170	--	330	--	--	--	--	--	--	--
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	0
MW-65	11.0 - 16.0	--	--	--	17	--	--	--	--	3	--	9
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	274
MWBS-02I	14.5 - 15.5	--	--	27	485	696	0	640	8	0	0	11
MWBS-02D	24.5 - 25.5	--	--	1	47	--	254	0	0	0	237	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	--	--	--	--	--	--	--	--	--	--	--

Table 4-17
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 bgs)	Total PAH Groundwater Concentrations (ug/L)										
		Sampling Date										
		1992	1997		1998			1999				2000
		Sep	Jun	Aug	Mar	Jun	Dec	Mar	Jun	Sep	Oct/Nov	Feb
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-05S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--
OU3MW-06	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I2	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
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 4-17
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 bgs)	Total PAH Groundwater Concentrations (ug/L)										
		Sampling Date										
		2000			2001				2002			
		May	Sep	Nov/Dec	Mar	Jun	Sep	Dec	Jan/Feb	Mar	Apr/May	Jun/Jul
BBMW-09S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	99	--
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/S-R	2.0 - 12.0	1,787	1,681	1,620	--	--	--	--	1,595	1,583	1,367	10,830
MW-02I/I-R	22.5 - 23.5	53	--	--	--	--	--	--	--	--	--	--
MW-03	4.94 - 14.94	--	--	--	--	--	--	--	--	103	85	--
MW-04	5.1 - 15.1	--	--	--	--	--	--	--	--	--	90	--
MW-11W	2.0 - 10.0	389	--	178	265	363	159	156	--	246	--	225
MW-12W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--
MW-16W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--
MW-16SR	2.0 - 10.0	1,173	3,096	1,036	--	--	77	38,045	6,557	3,414	1,558	2,430
MW-16I	14.0 - 19.0	0	0	--	--	--	--	--	--	--	--	0

Table 4-17
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 bgs)	Total PAH Groundwater Concentrations (ug/L)										
		Sampling Date										
		2000			2001				2002			
		May	Sep	Nov/Dec	Mar	Jun	Sep	Dec	Jan/Feb	Mar	Apr/May	Jun/Jul
MW-17W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--
MW-26D	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--
MW-29S	5.0 - 10.0	0	2	0	0	0	0	0	--	--	--	0
MW-29D	14.0 - 19.0	0	2	--	--	--	--	--	--	--	--	0
MW-30W/W-R	2.0 - 10.0	--	--	1,300	228	229	4	125	--	55	--	0
MW-32W/W-R	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--
MW-34S	2.0 - 10.0	381	--	518	130	0	30	1	--	0	--	85
MW-34I	18.5 - 19.5	203	0	--	--	--	--	--	--	--	--	22
MW-34D	27.5 - 28.5	0	2	--	--	--	--	--	--	--	--	0
MW-45W	2.0 - 10.0	--	781	10	1,676	11	0	6	--	--	52	2
MW-46W/W-R	2.0 - 10.0	--	2,141	228	0	21	--	--	--	--	--	--
MW-64	19.0 - 24.0	13	97	0	14	2	--	50	--	--	0	1
MW-65	11.0 - 16.0	34	8	13	34	4	--	228	--	--	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	--	1,720	84	2	1	0	4	--	7	--	4
MW-73	2.0 - 12.0	--	--	--	--	--	--	--	1,471	223	213	738
MW-75	2.0 - 12.0	--	--	--	--	--	--	73	153	93	100	2,553
MW-76	2.0 - 12.0	--	--	--	--	--	--	--	142	105	101	116
MW-78	5.0 - 20.0	--	--	--	--	--	--	--	1,439	371	278	161
MW-79	5.0 - 20.0	--	--	--	--	--	--	--	--	120	106	6,015
MW-80	5.0 - 20.0	--	--	--	--	--	--	--	1,511	88	2,316	152
MW-81	5.0 - 20.0	--	--	--	--	--	--	--	--	118	129	2,345
MW-82	5.0 - 20.0	--	--	--	--	--	--	--	245	138	83	2,784
MW-83	5.0 - 20.0	--	--	--	--	--	--	--	116	98	108	108
MWBS-01S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	0	--
MWBS-02S	5.0 - 15.0	81	115	105	242	39	2	84	--	164	--	0
MWBS-02I	14.5 - 15.5	258	3	261	576	513	122	3	--	4	--	2
MWBS-02D	24.5 - 25.5	0	0	--	--	--	--	--	--	--	--	0
MW-UST1	2.0 - 12.0	--	--	--	--	--	--	--	--	247	216	--
MW-UST2	2.0 - 12.0	--	--	--	--	--	--	--	--	263	330	--
MW-UST3	2.0 - 12.0	--	--	--	--	--	--	--	--	92	134	--
OU3MW-01S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--

Table 4-17
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 bgs)	Total PAH Groundwater Concentrations (ug/L)										
		Sampling Date										
		2000			2001				2002			
		May	Sep	Nov/Dec	Mar	Jun	Sep	Dec	Jan/Feb	Mar	Apr/May	Jun/Jul
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-05S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--
OU3MW-06	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I2	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
PDMW-01	5.0 - 20.0	--	--	--	--	--	--	--	1,538	1,432	1,431	--
PDMW-02	5.0 - 20.0	--	--	--	--	--	--	--	1,929	2,181	1,933	5,848
PDMW-03	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
SV-02	2.0 - 12.0	--	--	--	--	--	--	--	95	112	99	99
SV-03	2.0 - 12.0	--	--	--	--	--	--	--	332	95	108	297

Table 4-17
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 bgs)	Total PAH Groundwater Concentrations (ug/L)										
		Sampling Date										
		2002		2003			2004				2005	
		Aug/Sep	Nov/Dec	Feb-Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	Jun
BBMW-09S	5.0 - 15.0	99	53	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
BBMW-28I	10.0 - 20.0	--	--	--	--	--	--	--	--	--	0	0
BBMW-29	2.0 - 9.0	--	--	--	--	--	--	--	--	--	0	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	--	--	--	--	--	786	625	0	0	937	91
MW-01S	4.0 -14.0	--	--	--	--	--	--	--	--	0	--	--
MW-01D	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
MW-02S/S-R	2.0 - 12.0	6,440	2,542	1,800	1,300	1,500	2,400	2060	254	0	14	0
MW-02I/I-R	22.5 - 23.5	--	--	--	--	0	0	--	--	--	0	--
MW-03	4.94 - 14.94	89	50	0	45	--	26	19	43	19	21	34
MW-04	5.1 - 15.1	99	--	0	53	--	0	0	0	0	0	0
MW-11W	2.0 - 10.0	145	22	21	35	11	0	1729	0	110	0	10
MW-12W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--
MW-16W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--
MW-16SR	2.0 - 10.0	6,140	214	72	590	649	0	0	1,022	2,068	3,500	3,900
MW-16I	14.0 - 19.0	--	--	--	--	0	0	--	--	--	57	--

Table 4-17
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 bgs)	Total PAH Groundwater Concentrations (ug/L)										
		Sampling Date										
		2002		2003			2004				2005	
		Aug/Sep	Nov/Dec	Feb-Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	Jun
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	--	--
MW-30W/W-R	2.0 - 10.0	8	2	--	--	--	--	--	--	--	0	0
MW-32W/W-R	2.0 - 10.0	--	--	--	11	130	0	0	370	877	55	59
MW-34S	2.0 - 10.0	0	22	27	130	30	160	130	49	210	212	52
MW-34I	18.5 - 19.5	--	--	--	--	--	496	--	--	--	290	--
MW-34D	27.5 - 28.5	--	--	--	0	96	0	--	--	--	0	--
MW-45W	2.0 - 10.0	64	0	--	49	38	170	699	65	341	723	180
MW-46W/W-R	2.0 - 10.0	--	380	690	264	160	647	150	589	443	1,048	972
MW-64	19.0 - 24.0	9	0	1,600	0	0	0	0	0	120	0	318
MW-65	11.0 - 16.0	0	38	0	65	0	37	0	0	502	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	3	0	200	18	32	18	46	260	0	0	170
MW-73	2.0 - 12.0	1,336	280	--	940	1,557	843	1,470	1,500	1,030	956	829
MW-75	2.0 - 12.0	2,863	58	0	1,700	1,490	60	0	387	0	22	1,350
MW-76	2.0 - 12.0	115	58	--	15	120	0	0	0	0	47	0
MW-78	5.0 - 20.0	735	66	550	692	958	585	707	85	22	463	1,160
MW-79	5.0 - 20.0	2,911	234	2,000	1,100	1,380	2,000	0	1,200	661	1,400	790
MW-80	5.0 - 20.0	1,426	53	1,100	1,178	1,700	2,500	1,600	1,390	1,370	2,400	2,200
MW-81	5.0 - 20.0	1,382	101	780	2,100	1,611	1,714	696	1,112	1,100	1,700	100
MW-82	5.0 - 20.0	3,090	49	390	570	810	733	276	19	995	233	358
MW-83	5.0 - 20.0	180	180	0	14	29	0	0	0	76	140	0
MWBS-01S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
MWBS-02S	5.0 - 15.0	0	0	0	18	24	160	75	25	0	150	41
MWBS-02I	14.5 - 15.5	8	0	0	--	--	0	0	0	0	0	0
MWBS-02D	24.5 - 25.5	--	--	0	--	--	64	--	--	--	0	--
MW-UST1	2.0 - 12.0	112	979	230	96	344	0	221	520	52	55	260
MW-UST2	2.0 - 12.0	101	53	140	357	227	0	297	500	353	621	373
MW-UST3	2.0 - 12.0	105	--	0	14	25	33	0	0	16	26	0
OU3MW-01S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--

Table 4-17
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 bgs)	Total PAH Groundwater Concentrations (ug/L)										
		Sampling Date										
		2002		2003			2004				2005	
		Aug/Sep	Nov/Dec	Feb-Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	Jun
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-05S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--
OU3MW-06	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I2	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
PDMW-01	5.0 - 20.0	--	2,188	13,000	0	0	0	0	0	71	0	0
PDMW-02	5.0 - 20.0	3,250	--	--	1,130	1,714	2,300	2,463	1,918	2,316	2,616	2,312
PDMW-03	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
SV-02	2.0 - 12.0	186	103	0	430	515	0	0	0	0	0	39
SV-03	2.0 - 12.0	279	49	190	280	548	536	272	150	130	80	33

Table 4-17
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 bgs)	Total PAH Groundwater Concentrations (ug/L)										
		Sampling Date										
		2005		2006				2007				2008
		Aug	Nov/Dec	March	Jun	Jul/Aug	Nov/Dec	March	May-Jul	Aug-Oct	Oct-Dec	Jan-Mar
BBMW-09S	5.0 - 15.0	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	68	0	--	--	--	--	0	0	0	0	0
BBMW-28I	10.0 - 20.0	0	0	--	--	--	--	0	0	0	0	0
BBMW-29	2.0 - 9.0	0	170	120	37	0	0	0	252	0	0	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
BW-UST-10	5.0 - 10.0	--	--	--	--	--	0	0	0	69	0	0
BW-UST-11	5.0 - 10.0	--	--	--	--	--	0	0	0	68	0	2
BW-UST-28	5.0 - 10.0	--	--	--	--	--	--	--	0	0	0	0
BW-UST-29	5.0 - 10.0	--	--	--	--	--	--	--	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	350	0	0	0	0	0	100	0	0	18	0
MW-01S	4.0 -14.0	--	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
MW-02I/I-R	22.5 - 23.5	--	--	0	--	--	--	0	0	0	0	0
MW-03	4.94 - 14.94	40	57	0	28	35	34	35	11	56	0	12
MW-04	5.1 - 15.1	0	0	0	0	0	0	0	0	1	0	0
MW-11W	2.0 - 10.0	0	27	15	18	0	19	0	0	5	1	2
MW-12W	2.0 - 10.0	--	--	--	--	--	--	0	0	0	0	0
MW-16W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--
MW-16SR	2.0 - 10.0	3,611	1,280	2,183	1,870	1,056	676	842	232	280	579	922
MW-16I	14.0 - 19.0	--	--	0	--	--	--	0	44	0	0	0

Table 4-17
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 bgs)	Total PAH Groundwater Concentrations (ug/L)										
		Sampling Date										
		2005		2006				2007				2008
		Aug	Nov/Dec	March	Jun	Jul/Aug	Nov/Dec	March	May-Jul	Aug-Oct	Oct-Dec	Jan-Mar
MW-17W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--
MW-26D	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	3
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	0	0	0
MW-30W/W-R	2.0 - 10.0	0	0	0	0	0	0	0	0	0	0	0
MW-32W/W-R	2.0 - 10.0	0	180	110	89	98	100	97	45	47	105	123
MW-34S	2.0 - 10.0	67	110	461	397	210	140	150	68	110	402	81
MW-34I	18.5 - 19.5	--	--	0	--	--	--	0	0	0	124	12
MW-34D	27.5 - 28.5	--	--	0	--	--	--	0	0	0	6	0
MW-45W	2.0 - 10.0	424	561	895	74	40	233	0	0	10	9	0
MW-46W/W-R	2.0 - 10.0	1,200	1,045	544	50	233	192	37	71	47	74	102
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	0	0	0	0
MW-66S	1.5 - 11.5	--	--	--	--	--	--	0	0	0	1	0
MW-66D	24.0 - 29.0	--	--	--	--	--	--	0	0	0	0	0
MW-68D	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
MW-70/70S	2.0 - 12.0	556	57	91	0	11	13	0	0	10	13	39
MW-73	2.0 - 12.0	1,290	1,800	575	669	1,100	545	497	345	495	1,189	444
MW-75	2.0 - 12.0	2,890	384	100	56	55	0	0	0	180	47	0
MW-76	2.0 - 12.0	0	0	14	0	0	0	0	0	0	0	0
MW-78	5.0 - 20.0	493	0	445	493	616	0	0	46	40	31	0
MW-79	5.0 - 20.0	522	104	281	103	41	0	140	0	0	0	90
MW-80	5.0 - 20.0	2,300	1,080	1,200	694	258	1,480	831	601	884	1,173	277
MW-81	5.0 - 20.0	1,210	434	487	274	2,700	807	1,068	448	1,130	1,508	480
MW-82	5.0 - 20.0	488	1,571	1,140	837	1,137	150	234	286	127	306	0
MW-83	5.0 - 20.0	150	25	0	0	230	0	0	0	0	2	0
MWBS-01S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
MWBS-02S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0
MWBS-02I	14.5 - 15.5	0	0	0	0	0	0	10	0	0	0	0
MWBS-02D	24.5 - 25.5	--	--	16	--	--	--	22	0	0	0	0
MW-UST1	2.0 - 12.0	392	373	140	520	541	260	358	363	239	140	--
MW-UST2	2.0 - 12.0	361	208	265	457	227	120	155	59	450	550	--
MW-UST3	2.0 - 12.0	0	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	--	--	--	--	--	--	--	--	--	--	--

Table 4-17
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 bgs)	Total PAH Groundwater Concentrations (ug/L)										
		Sampling Date										
		2005		2006				2007				2008
		Aug	Nov/Dec	March	Jun	Jul/Aug	Nov/Dec	March	May-Jul	Aug-Oct	Oct-Dec	Jan-Mar
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-05S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--
OU3MW-06	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I2	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
PDMW-01	5.0 - 20.0	0	0	0	0	0	0	0	0	0	1,464	0
PDMW-02	5.0 - 20.0	2,716	2,416	2,013	2,420	2,119	3,022	2,716	2,520	1,241	1,976	3,025
PDMW-03	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
SV-02	2.0 - 12.0	190	324	0	0	35	0	0	0	133	0	0
SV-03	2.0 - 12.0	0	0	96	57	0	0	17	0	31	72	17

Table 4-17
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 bgs)	Total PAH Groundwater Concentrations (ug/L)									
		Sampling Date									
		2008			2009				2010		
		Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Aug-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep
BBMW-09S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0
BBMW-09I	30.0 - 40.0	--	--	--	0	--	--	--	0	--	--
BBMW-09D	62.0 - 72.0	--	--	--	0	--	--	--	0	--	--
BBMW-28S	2.0 - 12.0	0	3	0	0	0	0	0	0	0	0
BBMW-28I	10.0 - 20.0	0	0	0	0	0	0	0	0	0	0
BBMW-29	2.0 - 9.0	0	5	0	0	0	0	0	0	0	0
BBMW-30S	2.0 - 10.0	--	--	--	0	--	--	0	0	0	0
BBMW-30I	14.0 - 19.0	--	--	--	0	--	--	3	0	0	0
BBMW-30D	30.0 - 35.0	--	--	--	0	--	--	0	0	0	0
BBMW-31S	2.0 - 10.0	--	--	--	0	--	--	0	0	0	0
BBMW-31I	14.0 - 19.0	--	--	--	0	--	--	0	2	0	12
BBMW-31D	30.0 - 35.0	--	--	--	0	--	--	0	0	0	0
BBMW-32S	2.0 - 10.0	--	--	--	0	--	--	3	0	0	0
BBMW-32I	14.0 - 19.0	--	--	--	0	--	--	0	0	0	0
BBMW-32D	30.0 - 35.0	--	--	--	0	--	--	0	0	0	0
BBMW-33	7.0 - 12.0	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	0
BW-UST-11	5.0 - 10.0	1	0	0	0	0	0	0	0	0	0
BW-UST-28	5.0 - 10.0	0	0	0	0	0	0	0	0	0	0
BW-UST-29	5.0 - 10.0	0	3	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	4	0	0	0	0	0	0	0	0	102
MW-01S	4.0 -14.0	0	0	0	1	0	0	0	0	0	0
MW-01D	35.0 - 45.0	--	--	--	0	0	0		0	--	--
MW-02S/S-R	2.0 - 12.0	0	0	0	0	0	--	--	--	--	--
MW-02I/I-R	22.5 - 23.5	0	0	0	0	0	--	--	--	--	--
MW-03	4.94 - 14.94	0	0	28	0	0	82	16	0	62	0
MW-04	5.1 - 15.1	0	0	0	0	0	0	0	0	0	0
MW-11W	2.0 - 10.0	0	0	0	0	0	0	1	0	0	0
MW-12W	2.0 - 10.0	0	3	0	0	0	0	0	0	0	0
MW-16W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--
MW-16SR	2.0 - 10.0	355	552	104	28	143	--	--	--	--	--
MW-16I	14.0 - 19.0	0	0	0	0	0	--	--	--	--	--

Table 4-17
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 bgs)	Total PAH Groundwater Concentrations (ug/L)									
		Sampling Date									
		2008			2009				2010		
		Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Aug-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep
MW-17W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--
MW-26D	14.0 - 19.0	0	0	0	0	0	--	--	--	--	--
MW-29S	5.0 - 10.0	--	--	--	0	0	0	0	0	0	--
MW-29D	14.0 - 19.0	--	--	--	0	0	0	0	0	0	--
MW-30W/W-R	2.0 - 10.0	0	0	0	0	0	0	0	0	0	0
MW-32W/W-R	2.0 - 10.0	38	12	0	3	6	4	4	0	0	0
MW-34S	2.0 - 10.0	186	51	42	83	105	17	0	15	14	49
MW-34I	18.5 - 19.5	0	0	0	0	0	0	0	0	0	247
MW-34D	27.5 - 28.5	0	0	0	0	0	0	0	0	0	0
MW-45W	2.0 - 10.0	0	0	0	10	153	60	0	2	0	1
MW-46W/W-R	2.0 - 10.0	24	0	39	39	60	31	10	19	3	173
MW-64	19.0 - 24.0	0	0	0	0	9	3	0	0	0	284
MW-65	11.0 - 16.0	0	0	0	0	0	0	0	0	0	0
MW-66S	1.5 - 11.5	0	0	0	0	0	0	0	0	0	0
MW-66D	24.0 - 29.0	0	0	0	0	0	0	0	0	0	0
MW-68D	25.0 - 30.0	--	--	--	0	--	--	--	--	--	--
MW-70/70S	2.0 - 12.0	25	96	22	14	8	13	0	25	2	102
MW-73	2.0 - 12.0	105	1	0	97	1,308	1,295	480	588	1,169	234
MW-75	2.0 - 12.0	0	1,024	0	1	101	1,667	30	38	0	2,178
MW-76	2.0 - 12.0	0	0	0	0	0	0	0	0	0	0
MW-78	5.0 - 20.0	0	0	0	0	191	0	0	0	--	0
MW-79	5.0 - 20.0	1	6	0	13	0	0	3	0	0	0
MW-80	5.0 - 20.0	509	790	701	522	568	79	467	11	321	841
MW-81	5.0 - 20.0	0	50	4	19	0	0	1,306	59	697	547
MW-82	5.0 - 20.0	1	0	448	0	0	2	72	0	48	33
MW-83	5.0 - 20.0	0	1	0	0	0	0	0	0	0	0
MWBS-01S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
MWBS-02S	5.0 - 15.0	7	0	0	3	1	7	13	122	45	33
MWBS-02I	14.5 - 15.5	0	0	0	0	0	0	0	0	0	0
MWBS-02D	24.5 - 25.5	0	0	0	0	0	0	0	0	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	--	--	--	--	--	0	0	0	0	0
OU3MW-02S	3.0 - 13.0	--	--	--	--	--	0	0	0	0	0
OU3MW-02I	15.0 - 20.0	--	--	--	--	--	0	0	0	0	0

Table 4-17
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 bgs)	Total PAH Groundwater Concentrations (ug/L)									
		Sampling Date									
		2008			2009				2010		
		Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Aug-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep
OU3MW-03S	1.0 - 11.0	--	--	--	--	--	2	0	0	0	0
OU3MW-03I	20.0 - 25.0	--	--	--	--	--	0	0	0	6	0
OU3MW-04S	1.0 - 11.0	--	--	--	--	--	19	21	0	0	0
OU3MW-04I	16.0 - 21.0	--	--	--	--	--	9	0	0	30	44
OU3MW-04D	26.0 - 31.0	--	--	--	--	--	0	0	0	0	0
OU3MW-05S	2.0 - 12.0	--	--	--	--	--	--	0	0	0	0
OU3MW-05I	15.0 - 20.0	--	--	--	--	--	--	0	0	0	0
OU3MW-06	3.0 - 13.0	--	--	--	--	--	0	0	0	0	10
OU3MW-07S	3.0 - 13.0	--	--	--	--	--	--	--	527	36	13
OU3MW-07I	15.0 - 20.0	--	--	--	--	--	--	--	0	0	0
OU3MW-07I2	20.0 - 25.0	--	--	--	--	--	--	--	0	0	0
PDMW-01	5.0 - 20.0	0	2	0	0	0	--	0	0	0	0
PDMW-02	5.0 - 20.0	2,226	1,934	1,950	2,797	3,206	--	--	--	--	--
PDMW-03	5.0 - 15.0	--	1,721	1,619	2,100	2,108	--	--	--	--	--
SV-02	2.0 - 12.0	3	0	0	0	0	669	0	0	0	770
SV-03	2.0 - 12.0	0	0	0	0	0	1	0	0	0	0

Table 4-17
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 bgs)	Total PAH Groundwater Concentrations (ug/L)				
		Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
BBMW-09S	5.0 - 15.0	0	99	8	0	99
BBMW-09I	30.0 - 40.0	0	150	21	0	150
BBMW-09D	62.0 - 72.0	0	0	0	0	0
BBMW-28S	2.0 - 12.0	0	68	4	0	68
BBMW-28I	10.0 - 20.0	0	0	0	0	0
BBMW-29	2.0 - 9.0	0	252	27	0	252
BBMW-30S	2.0 - 10.0	0	0	0	0	0
BBMW-30I	14.0 - 19.0	0	4	1	0	4
BBMW-30D	30.0 - 35.0	0	0	0	0	0
BBMW-31S	2.0 - 10.0	0	0	0	0	0
BBMW-31I	14.0 - 19.0	0	4	1	0	12
BBMW-31D	30.0 - 35.0	0	0	0	0	0
BBMW-32S	2.0 - 10.0	0	3	1	0	3
BBMW-32I	14.0 - 19.0	0	0	0	0	0
BBMW-32D	30.0 - 35.0	0	0	0	0	0
BBMW-33	7.0 - 12.0	0	0	0	0	0
BW-UST-10	5.0 - 10.0	0	69	5	0	69
BW-UST-11	5.0 - 10.0	0	68	5	0	68
BW-UST-28	5.0 - 10.0	0	0	0	0	0
BW-UST-29	5.0 - 10.0	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	937	112	0	937
MW-01S	4.0 -14.0	0	1	0	0	1
MW-01D	35.0 - 45.0	0	263	18	0	263
MW-02S/S-R	2.0 - 12.0	0	21,640	2,517	0	21,640
MW-02I/I-R	22.5 - 23.5	0	6,478	278	0	6,478
MW-03	4.94 - 14.94	0	103	33	0	103
MW-04	5.1 - 15.1	0	99	10	0	99
MW-11W	2.0 - 10.0	0	861	106	0	861
MW-12W	2.0 - 10.0	0	3	0	0	3
MW-16W	2.0 - 10.0	3	3	3	3	3
MW-16SR	2.0 - 10.0	0	38,045	2,885	0	38,045
MW-16I	14.0 - 19.0	0	57	5	0	57

Table 4-17
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 bgs)	Total PAH Groundwater Concentrations (ug/L)				
		Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
MW-17W	2.0 - 10.0	11	11	11	11	11
MW-26D	14.0 - 19.0	0	3	1	0	3
MW-29S	5.0 - 10.0	0	516	13	0	516
MW-29D	14.0 - 19.0	0	2	0	0	2
MW-30W/W-R	2.0 - 10.0	0	1,300	85	0	1,300
MW-32W/W-R	2.0 - 10.0	0	1,435	189	0	1,435
MW-34S	2.0 - 10.0	0	1,604	270	0	1,604
MW-34I	18.5 - 19.5	0	496	45	0	496
MW-34D	27.5 - 28.5	0	96	4	0	96
MW-45W	2.0 - 10.0	0	1,676	183	0	1,676
MW-46W/W-R	2.0 - 10.0	0	4,156	478	0	4,156
MW-64	19.0 - 24.0	0	1,600	48	0	1,600
MW-65	11.0 - 16.0	0	502	24	0	502
MW-66S	1.5 - 11.5	0	1	0	0	1
MW-66D	24.0 - 29.0	0	2	0	0	2
MW-68D	25.0 - 30.0	0	3	1	0	3
MW-70/70S	2.0 - 12.0	0	1,720	91	0	1,720
MW-73	2.0 - 12.0	0	1,800	805	0	1,800
MW-75	2.0 - 12.0	0	2,890	485	0	2,890
MW-76	2.0 - 12.0	0	142	25	0	142
MW-78	5.0 - 20.0	0	1,439	313	0	1,439
MW-79	5.0 - 20.0	0	6,015	624	0	6,015
MW-80	5.0 - 20.0	11	2,500	1,021	11	2,500
MW-81	5.0 - 20.0	0	2,700	814	0	2,700
MW-82	5.0 - 20.0	0	3,090	503	0	3,090
MW-83	5.0 - 20.0	0	230	42	0	230
MWBS-01S	5.0 - 15.0	0	64	22	0	64
MWBS-02S	5.0 - 15.0	0	274	53	0	274
MWBS-02I	14.5 - 15.5	0	696	77	0	696
MWBS-02D	24.5 - 25.5	0	254	22	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	0	0	0	0
OU3MW-02S	3.0 - 13.0	0	0	0	0	0
OU3MW-02I	15.0 - 20.0	0	0	0	0	0

Table 4-17
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 bgs)	Total PAH Groundwater Concentrations (ug/L)				
		Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
OU3MW-03S	1.0 - 11.0	0	2	1	0	2
OU3MW-03I	20.0 - 25.0	0	6	2	0	6
OU3MW-04S	1.0 - 11.0	0	21	10	0	21
OU3MW-04I	16.0 - 21.0	0	30	10	0	44
OU3MW-04D	26.0 - 31.0	0	0	0	0	0
OU3MW-05S	2.0 - 12.0	0	0	0	0	0
OU3MW-05I	15.0 - 20.0	0	0	0	0	0
OU3MW-06	3.0 - 13.0	0	0	0	0	10
OU3MW-07S	3.0 - 13.0	36	527	282	13	527
OU3MW-07I	15.0 - 20.0	0	0	0	0	0
OU3MW-07I2	20.0 - 25.0	0	0	0	0	0
PDMW-01	5.0 - 20.0	0	13,000	660	0	13,000
PDMW-02	5.0 - 20.0	1,130	5,848	2,421	1,130	5,848
PDMW-03	5.0 - 15.0	1,619	2,108	1,887	1,619	2,108
SV-02	2.0 - 12.0	0	669	87	0	770
SV-03	2.0 - 12.0	0	548	105	0	548

Notes for groundwater tables are compiled at the end of the Tables in this section.

Table 4-18
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	OU3	OU3	OU3	OU3
Sample Name:	NYS	BBMW-28I	BBMW-32S	BBMW-32I	BBMW-32D	IO-10	MW-03	MW-04	MW-45W	MW-46WR	MW-64	MW-65	MW-73	MW-75
Screened Interval:	AWQS	10-20 ft	2-10 ft	14-19 ft	30-35 ft	6-16 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:		7/9/2010	7/6/2010	7/6/2010	7/6/2010	7/19/2010	7/13/2010	8/10/2010	7/23/2010	8/11/2010	8/19/2010	7/13/2010	9/13/2010	9/7/2010
BTEX (ug/L)														
Benzene	1	10 U	10 U	10 U	10 U	**63**	10 U	10 U	**1 J**	**6 J**	**110**	10 U	**230 D**	**410 DJ**
Toluene	5	10 U	10 U	10 U	10 U	**58**	**2 J**	10 U	10 U	**18**	**340 D**	10 U	**2 J**	**13000 D**
Ethylbenzene	5	10 U	10 U	10 U	10 U	**54**	**10**	10 U	10 U	**510 D**	**220 D**	10 U	**220 D**	**12000 D**
Xylene, total	5	10 U	10 U	10 U	**2 J**	**1100**	10 U	10 U	10 U	**420**	**1600 D**	10 U	**160**	**25000 D**
Total BTEX	NE	ND	ND	ND	**2**	**1275**	**12**	ND	**1**	**954**	**2270**	ND	**612**	**50410**
Other VOCs (ug/L)														
Methyl tert-butyl ether	10*	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
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	**3 J**	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**2 J**	10 U	10 U	**4 J**
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
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
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
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
Methylnaphthalene, 2-	NE	10 U	10 U	10 U	10 U	**2 J**	10 U	10 U	10 U	**3 J**	**22**	10 U	**21**	**74**
Naphthalene	10*	10 U	10 U	10 U	10 U	**100**	10 U	10 U	**1 J**	**170 D**	**260 D**	10 U	**210 D**	**2100 D**
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
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
Total Noncarcinogenic PAHs	NE	ND	ND	ND	ND	**102**	ND	ND	**1**	**173**	**284**	ND	**234**	**2178**
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
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
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
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
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
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
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
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)														
Total PAHs	NE	ND	ND	ND	ND	**102**	ND	ND	**1**	**173**	**284**	ND	**234**	**2178**
Other (cfu/mL)														
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	**64**	NA	NA	NA	NA

Table 4-18
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:	NYS AWQS	OU3	OU3	OU3	OU3	OU3	OU3	OU3	OU3	OU3
Sample Name:		MW-76	MW-78	MW-79	MW-80	MW-81	MW-82	MW-83	PDMW-01	SV-03
Screened Interval:		2-12 ft	5-20 ft	5-20 ft	5-20 ft	5-20 ft	5-20 ft	5-20 ft	5-20 ft	2-12 ft
Sample Date:		7/15/2010	7/7/2010	7/14/2010	8/9/2010	9/2/2010	9/14/2010	7/13/2010	8/10/2010	8/9/2010
BTEX (ug/L)										
Benzene	1	10 U	**400**	**18**	**990 D**	**800 DJ**	**320 D**	10 U	10 U	10 U
Toluene	5	10 U	**690**	**24**	**7500 D**	**11000 D**	**820 D**	10 U	10 U	10 U
Ethylbenzene	5	10 U	**1400**	**82**	**3900 D**	**4900 D**	**300 D**	10 U	10 U	**2 J**
Xylene, total	5	10 U	**2400**	**150**	**7700 D**	**7700 D**	**450**	**10 J**	10 U	**3 J**
Total BTEX	NE	ND	**4890**	**274**	**20090**	**24400**	**1890**	**10**	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	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
Acenaphthylene	NE	10 U	10 U	10 U	**4 J**	**4 J**	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
Benzo[g,h,i]perylene	NE	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	10 U	**67**	**33**	**2 J**	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	**770 D**	**510 D**	**31**	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
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total Noncarcinogenic PAHs	NE	ND	ND	ND	**841**	**547**	**33**	ND	ND	ND
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
Benzo[a]pyrene	ND	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
Benzo[k]fluoranthene	0.002*	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
Dibenz[a,h]anthracene	NE	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
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)										
Total PAHs	NE	ND	ND	ND	**841**	**547**	**33**	ND	ND	ND
Other (cfu/mL)										
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes for groundwater tables are compiled at the end of the Tables in this section.

Table 4-19
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	OU3
Sample Name:	NYS	BBMW-09S	BBMW-28S	BBMW-29	BBMW-30S	BBMW-30I	BBMW-30D	BBMW-31S	BBMW-31I	BBMW-31D	BBMW-33	BW-UST-10	BW-UST-11
Screened Interval:	AWQS	5-15 ft	2-12 ft	2-9 ft	2-10 ft	14-19 ft	30-35 ft	2-10 ft	14-19 ft	30-35 ft	7-12 ft	4.65-9.95 ft	4.4-9.4 ft
Sample Date:		9/2/2010	7/9/2010	9/1/2010	7/19/2010	7/19/2010	7/19/2010	8/31/2010	8/31/2010	8/31/2010	7/23/2010	8/27/2010	9/13/2010
Parent Sample:													
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
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 U	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	50*	**2 J**	10 UJ	10 U	10 U	10 U	10 U	**1 J**	10 U	10 U	10 U	10 U	**3 J**
Allyl chloride	5	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	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
Bromoform	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 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Butadiene, 1,3-	NE	10 U	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Butanone, 2-	50*	10 U	10 UJ	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 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Carbon tetrachloride	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
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 U	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Chlorotoluene	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
Cryofluorane	NE	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Cyclohexane	NE	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	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
Dibromoethane, 1,2-	0.0006	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, 1,3-	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 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethane, 1,1-	5	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	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 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloropropene, cis-1,3	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
Dichloropropene, trans-1,3	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
Dioxane, 1,4-	NE	500 U	R	500 U	R	R	R	500 U	500 U	500 U	500 U	500 U	500 U
Ethanol	NE	500 U	R	500 U	R	R	R	500 U	500 U	500 U	500 U	500 U	500 U
Heptane, n-	NE	10 U	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	0.5	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Hexane, n-	NE	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Hexanone, 2-	50*	10 U	10 UJ	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

Table 4-19
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	OU3
Sample Name:	NYS	BBMW-09S	BBMW-28S	BBMW-29	BBMW-30S	BBMW-30I	BBMW-30D	BBMW-31S	BBMW-31I	BBMW-31D	BBMW-33	BW-UST-10	BW-UST-11
Screened Interval:	AWQS	5-15 ft	2-12 ft	2-9 ft	2-10 ft	14-19 ft	30-35 ft	2-10 ft	14-19 ft	30-35 ft	7-12 ft	4.65-9.95 ft	4.4-9.4 ft
Sample Date:		9/2/2010	7/9/2010	9/1/2010	7/19/2010	7/19/2010	7/19/2010	8/31/2010	8/31/2010	8/31/2010	7/23/2010	8/27/2010	9/13/2010
Parent Sample:													
Methyl tert-butyl ether	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**65**	10 U	10 U
Methyl-2-pentanone, 4-	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
Methylene chloride	5	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Propanol, 2-	NE	500 U	R	500 U	R	R	R	500 U	500 U	500 U	500 U	500 U	500 U
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
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 U	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	10 U
Tetrahydrofuran	50*	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trans-1,2-dichloroethene	5	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Trichloro-1,2,2-trifluoroethane, 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
Trichlorobenzene, 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
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
Trichloroethane, 1,1,2-	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
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
Trichlorofluoromethane	5	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene 1,3,5-/P-ethyltoluene	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, 1,2,4-	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 UJ	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl acetate	NE	10 U	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl chloride	2	10 U	10 UJ	10 U	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	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
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**1 J**	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
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**3 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	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
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
Phenanthrene	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
Pyrene	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
Total Noncarcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	**8**	ND	ND	ND	ND
Carcinogenic PAHs (ug/L)													
Benz[a]anthracene	0.002*	10 U	10 U	10 U	10 U	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	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	**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 Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	**4**	ND	ND	ND	ND
Total PAHs (ug/L)													
Total PAHs	NE	ND	ND	ND	ND	ND	ND	ND	**12**	ND	ND	ND	ND
Other (cfu/mL)													
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-19
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	OU3	OU3
Sample Name:	NYS	BW-UST-28	BW-UST-29	MW-01S	MW-11W	MW-12W	MW-12W	MW-30WR	MW-32WR	MW-34S	MW-34I	MW-34D	MW-66S	MW-66D
Screened Interval:	AWQS	5-10 ft	5-10 ft	4-14 ft	2-10 ft	2-10 ft	2-10 ft	2-9 ft	2-9 ft	2-10 ft	18.5-19.5 ft	27.5-28.5 ft	1.5-11.5 ft	24-29 ft
Sample Date:		8/27/2010	8/27/2010	8/11/2010	9/1/2010	7/6/2010	8/31/2010	8/12/2010	9/1/2010	8/10/2010	8/19/2010	8/19/2010	7/14/2010	7/14/2010
Parent Sample:														
BTEX (ug/L)														
Benzene	1	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**130**	**2 J**	10 U	10 U	10 U
Toluene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**340 D**	**6 J**	10 U	10 U	10 U
Ethylbenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	**1 J**	10 U	**1500 D**	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	**1300 D**	**44**	10 U	10 U	10 U
Xylene, o-	5	10 U	10 U	10 U	10 U	10 U	10 U	**2 J**	10 U	**810 D**	**170**	10 U	10 U	10 U
Total BTEX	NE	ND	ND	ND	ND	ND	ND	**3**	ND	**4080**	**222**	ND	ND	ND
Other VOCs (ug/L)														
Acetaldehyde	8*	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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	10 U	10 U
Allyl 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 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
Bromoform	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
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
Butadiene, 1,3-	NE	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ
Butanone, 2-	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
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 UJ
Carbon tetrachloride	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
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
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	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
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 UJ	10 U
Chlorotoluene	5	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cryofluorane	NE	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ
Cyclohexane	NE	10 U	10 U	10 U	10 U	10 U	10 U	**3 J**	**2 J**	**1 J**	**4 J**	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
Dibromoethane, 1,2-	0.0006	10 U	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
Dichlorobenzene, 1,3-	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
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
Dichlorodifluoromethane	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 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
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
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
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
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
Dichloropropene, cis-1,3	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
Dichloropropene, trans-1,3	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
Dioxane, 1,4-	NE	500 U	500 U	500 U	500 U	R	500 U	500 U	500 U	500 U	500 U	500 U	R	R
Ethanol	NE	500 U	500 U	500 U	500 U	R	500 U	500 U	500 U	500 U	500 U	500 U	R	R
Heptane, n-	NE	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ
Hexachlorobutadiene	0.5	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 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
Hexanone, 2-	50*	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U
Isopropyl benzene	5	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	**25**	**21**	10 U	10 UJ	10 U

Table 4-19
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	OU3	OU3
Sample Name:	NYS	BW-UST-28	BW-UST-29	MW-01S	MW-11W	MW-12W	MW-12W	MW-30WR	MW-32WR	MW-34S	MW-34I	MW-34D	MW-66S	MW-66D
Screened Interval:	AWQS	5-10 ft	5-10 ft	4-14 ft	2-10 ft	2-10 ft	2-10 ft	2-9 ft	2-9 ft	2-10 ft	18.5-19.5 ft	27.5-28.5 ft	1.5-11.5 ft	24-29 ft
Sample Date:		8/27/2010	8/27/2010	8/11/2010	9/1/2010	7/6/2010	8/31/2010	8/12/2010	9/1/2010	8/10/2010	8/19/2010	8/19/2010	7/14/2010	7/14/2010
Parent Sample:														
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
Methyl-2-pentanone, 4-	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
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
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**84**	**270 D**	10 U	10 UJ	10 UJ
Propanol, 2-	NE	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	R
Propylbenzene, n-	5	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	**13**	**6 J**	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	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	10 U
Tetrachloroethane,1,1,2,2-	5	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	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	10 U	10 U
Tetrahydrofuran	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**5 J**	10 U	10 U	10 U	10 U	10 U
Trans-1,2-dichloroethene	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
Trichloro-1,2,2-trifluoroethane, 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	10 U
Trichlorobenzene, 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 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	10 U	10 U	10 U
Trichloroethane, 1,1,2-	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
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
Trichlorofluoromethane	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 UJ
Trimethylbenzene 1,3,5-/P-ethyltoluene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**85**	**6 J**	10 U	10 U	10 U
Trimethylbenzene, 1,2,4-	5	10 U	10 U	10 U	**1 J**	10 UJ	10 U	10 U	**4 J**	**110**	**34**	10 U	10 U	10 U
Trimethylpentane, 2,2,4-	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
Vinyl acetate	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
Vinyl chloride	2	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
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
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
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
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
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
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
Methylnaphthalene, 2-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**17**	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**49**	**230 D**	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
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
Total Noncarcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	**49**	**247**	ND	ND	ND
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
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
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
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
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
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
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
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)														
Total PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	**49**	**247**	ND	ND	ND
Other (cfu/mL)														
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	**130**	NA	NA	NA	NA

Table 4-19
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	OU3	OU3
Sample Name:	NYS	MW-70/70S	MWBS-02S	MWBS-02S	DUP-15 Q3	MWBS-02I	MWBS-02D	OU3MW-01S	OU3MW-02S	OU3MW-02I	OU3MW-03S	DUP-01 Q3	OU3MW-03I	OU3MW-04S
Screened Interval:	AWQS	2-12 ft	5-15 ft	5-15 ft	24.5-25.5 ft	14.5-15.5 ft	24.5-25.5 ft	3-13 ft	3-13 ft	15-20 ft	1-11 ft	1-11 ft	20-25 ft	1-11 ft
Sample Date:		8/11/2010	8/10/2010	8/30/2010	8/30/2010	8/30/2010	8/30/2010	7/19/2010	7/19/2010	7/19/2010	7/8/2010	7/8/2010	7/8/2010	7/7/2010
Parent Sample:					MW-BS-02S							OU3MW-03S		
BTEX (ug/L)														
Benzene	1	**1 J**	NA	**9 J**	**9 J**	**7 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	5	**33**	NA	**4 J**	**5 J**	**3 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ
Ethylbenzene	5	**300 D**	NA	**13**	**14**	**61**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene, m,p-	5	**190**	NA	**20**	**21**	**3 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**1 J**
Xylene, o-	5	**230 D**	NA	**69**	**70**	**9 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**6**
Total BTEX	NE	**754**	NA	**115**	**119**	**83**	ND	ND	ND	ND	ND	ND	ND	**7**
Other VOCs (ug/L)														
Acetaldehyde	8*	10 U	NA	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U
Acetone	50*	10 U	NA	10 U	10 U	**1 J**	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ
Allyl chloride	5	10 U	NA	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U
Bromodichloromethane	50*	10 U	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromoform	50*	10 U	NA	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	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Butadiene, 1,3-	NE	10 U	NA	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Butanone, 2-	50*	10 U	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ
Carbon disulfide	60*	10 U	NA	10 U	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U
Carbon tetrachloride	5	10 U	NA	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	NA	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	NA	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	NA	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	NA	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Chlorotoluene	5	10 U	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cryofluorane	NE	10 U	NA	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U
Cyclohexane	NE	10 U	NA	**1 J**	**2 J**	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 UJ
Dibromochloromethane	50*	10 U	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromoethane, 1,2-	0.0006	10 U	NA	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	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene, 1,3-	3	10 U	NA	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	NA	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	NA	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ
Dichloroethane, 1,1-	5	10 U	NA	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U
Dichloroethane, 1,2-	0.6	10 U	NA	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	NA	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	NA	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	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloropropene, cis-1,3	NE	10 U	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloropropene, trans-1,3	NE	10 U	NA	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	500 U	NA	500 U	500 U	500 U	500 U	R	R	R	R	R	R	R
Ethanol	NE	500 U	NA	500 U	500 U	500 U	500 U	R	R	R	R	R	R	R
Heptane, n-	NE	10 U	NA	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U
Hexachlorobutadiene	0.5	10 U	NA	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U
Hexane, n-	NE	10 U	NA	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U
Hexanone, 2-	50*	10 U	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ
Isopropyl benzene	5	**15**	NA	**1 J**	**1 J**	**3 J**	10 U	10 U	10 U	10 U	**1 J**	**1 J**	10 U	10 U

Table 4-19
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	OU3	OU3
Sample Name:	NYS	MW-70/70S	MWBS-02S	MWBS-02S	DUP-15 Q3	MWBS-02I	MWBS-02D	OU3MW-01S	OU3MW-02S	OU3MW-02I	OU3MW-03S	DUP-01 Q3	OU3MW-03I	OU3MW-04S
Screened Interval:	AWQS	2-12 ft	5-15 ft	5-15 ft	24.5-25.5 ft	14.5-15.5 ft	24.5-25.5 ft	3-13 ft	3-13 ft	15-20 ft	1-11 ft	1-11 ft	20-25 ft	1-11 ft
Sample Date:		8/11/2010	8/10/2010	8/30/2010	8/30/2010	8/30/2010	8/30/2010	7/19/2010	7/19/2010	7/19/2010	7/8/2010	7/8/2010	7/8/2010	7/7/2010
Parent Sample:					MW-BS-02S							OU3MW-03S		
Methyl tert-butyl ether	10*	10 U	NA	10 U	10 U	10 U	10 U	**32**	10 U	10 U	10 U	10 U	10 U	10 U
Methyl-2-pentanone, 4-	NE	10 U	NA	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	NA	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U
Naphthalene	10*	**140**	NA	**67**	**61**	**23**	10 U	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U
Propanol, 2-	NE	500 U	NA	500 U	500 U	500 U	500 U	R	R	R	R	R	R	R
Propylbenzene, n-	5	**5 J**	NA	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	NA	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	NA	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	NA	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	NA	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Tetrahydrofuran	50*	10 U	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ
Trans-1,2-dichloroethene	5	10 U	NA	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	5	10 U	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichlorobenzene, 1,2,4-	5	10 U	NA	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	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethane, 1,1,2-	1	10 U	NA	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	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichlorofluoromethane	5	10 U	NA	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U
Trimethylbenzene 1,3,5-/P-ethyltoluene	5	**54**	NA	**7 J**	**7 J**	**1 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene, 1,2,4-	5	**56**	NA	10 U	10 U	**2 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylpentane, 2,2,4-	NE	10 U	NA	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Vinyl acetate	NE	10 U	NA	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Vinyl chloride	2	10 U	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ
Non-carcinogenic PAHs (ug/L)														
Acenaphthene	20*	10 U	NA	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	NA	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	NA	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	NA	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	NA	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	NA	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	**4 J**	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	**98 D**	NA	**33**	**36**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	NA	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	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total Noncarcinogenic PAHs	NE	**102**	NA	**33**	**36**	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carcinogenic PAHs (ug/L)														
Benz[a]anthracene	0.002*	10 U	NA	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	NA	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	NA	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	NA	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	NA	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	NA	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	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total Carcinogenic PAHs	NE	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)														
Total PAHs	NE	**102**	NA	**33**	**36**	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other (cfu/mL)														
Standard Plate Count	NE	**280**	**20**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-19
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
Sample Name:	NYS	OU3MW-04I	OU3MW-04D	OU3MW-05S	OU3MW-05I	OU3MW-06	OU3MW-07S	OU3MW-07I	OU3MW-07I2	SV-02
Screened Interval:	AWQS	16-21 ft	26-31 ft	2-12 ft	15-20 ft	3-13 ft	3-13 ft	15-20 ft	20-25 ft	2-12 ft
Sample Date:		7/7/2010	7/7/2010	9/2/2010	9/2/2010	8/31/2010	7/19/2010	7/19/2010	7/19/2010	9/7/2010
Parent Sample:										
BTEX (ug/L)										
Benzene	1	**1 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**1600 D**
Toluene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**16000 D**
Ethylbenzene	5	**110**	10 U	10 U	10 U	10 U	**5**	10 U	10 U	**6400 D**
Xylene, m,p-	5	**32**	10 U	10 U	10 U	**3 J**	**1 J**	10 U	10 U	**5800 D**
Xylene, o-	5	**65**	10 U	10 U	10 U	**4 J**	**2 J**	10 U	10 U	**2200 D**
Total BTEX	NE	**208**	ND	ND	ND	**7**	**8**	ND	ND	**32000**
Other VOCs (ug/L)										
Acetaldehyde	8*	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 U
Acetone	50*	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	**6 J**
Allyl chloride	5	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U
Bromodichloromethane	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromoform	50*	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
Butadiene, 1,3-	NE	10 UJ	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U
Butanone, 2-	50*	10 UJ	10 UJ	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 UJ	10 UJ	10 UJ	10 U
Carbon tetrachloride	5	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
Chloroethane	5	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
Chloromethane	5	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U
Chlorotoluene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cryofluorane	NE	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U
Cyclohexane	NE	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	**6 J**
Dibromochloromethane	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromoethane, 1,2-	0.0006	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
Dichlorobenzene, 1,3-	3	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
Dichlorodifluoromethane	5	10 UJ	10 UJ	10 U	10 U	10 U	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 UJ	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
Dichloroethene, 1,1-	0.07	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	**2 J**	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
Dichloropropene, cis-1,3	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloropropene, trans-1,3	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dioxane, 1,4-	NE	R	R	500 U	500 U	500 U	R	R	R	500 U
Ethanol	NE	R	R	500 U	500 U	500 U	R	R	R	500 U
Heptane, n-	NE	10 UJ	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U
Hexachlorobutadiene	0.5	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U
Hexane, n-	NE	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U
Hexanone, 2-	50*	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isopropyl benzene	5	**8**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**64**

Table 4-19
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
Sample Name:	NYS	OU3MW-04I	OU3MW-04D	OU3MW-05S	OU3MW-05I	OU3MW-06	OU3MW-07S	OU3MW-07I	OU3MW-07I2	SV-02
Screened Interval:	AWQS	16-21 ft	26-31 ft	2-12 ft	15-20 ft	3-13 ft	3-13 ft	15-20 ft	20-25 ft	2-12 ft
Sample Date:		7/7/2010	7/7/2010	9/2/2010	9/2/2010	8/31/2010	7/19/2010	7/19/2010	7/19/2010	9/7/2010
Parent Sample:										
Methyl tert-butyl ether	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl-2-pentanone, 4-	NE	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	10 U	10 UJ	10 U
Naphthalene	10*	**58**	10 U	10 U	10 U	**11**	**24**	10 U	10 UJ	**600 DJ**
Propanol, 2-	NE	R	R	500 U	500 U	500 U	R	R	R	500 U
Propylbenzene, n-	5	**2 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**60**
Styrene	5	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
Tetrachloroethane,1,1,2,2-	5	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
Tetrahydrofuran	50*	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trans-1,2-dichloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichlorobenzene, 1,2,4-	5	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 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethane, 1,1,2-	1	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
Trichlorofluoromethane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U
Trimethylbenzene 1,3,5-/P-ethyltoluene	5	**23**	10 U	10 U	10 U	**4 J**	**3 J**	10 U	10 U	**450 DJ**
Trimethylbenzene, 1,2,4-	5	**21**	10 U	10 U	10 U	**3 J**	**2 J**	10 U	10 U	**330 DJ**
Trimethylpentane, 2,2,4-	NE	10 UJ	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U
Vinyl acetate	NE	10 UJ	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U
Vinyl chloride	2	10 UJ	10 UJ	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	10 U
Acenaphthylene	NE	10 U	10 U	10 U	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	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
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	10 U	10 U	10 U	10 U	10 U	10 U	**29**
Naphthalene	10*	**44**	10 U	10 U	10 U	**10**	**13**	10 U	10 U	**740 D**
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
Total Noncarcinogenic PAHs	NE	**44**	ND	ND	ND	**10**	**13**	ND	ND	**770**
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
Benzo[a]pyrene	ND	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
Benzo[k]fluoranthene	0.002*	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
Dibenz[a,h]anthracene	NE	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
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)										
Total PAHs	NE	**44**	ND	ND	ND	**10**	**13**	ND	ND	**770**
Other (cfu/mL)										
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes for groundwater tables are compiled at the end of the Tables in this section.

Table 4-20
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	23	19	0.1	-30	0.2270	No Trend
		MW-65	24	21	0.1	-12	0.6017	No Trend
		MW-73	23	0	14000	-73	0.0539	Decreasing
		MW-75	24	0	1808.5	-24	0.5516	No Trend
		MW-76	23	15	0.1	-47	0.1420	No Trend
		MW-78	22	0	2820	-105	0.0031	Decreasing
		MW-79	23	0	3110	-77	0.0420	Decreasing
		MW-80	23	0	38700	-97	0.0104	Decreasing
		MW-81	23	0	15660	-61	0.1072	No Trend
		MW-82	23	0	6942	-89	0.0187	Decreasing
		MW-83	23	6	66	-92	0.0141	Decreasing
		SV-02	24	10	15	3	0.9383	No Trend*
		SV-03	23	2	116	-195	0.0000	Decreasing
Community Road Line	Downgradient	MW-11W	30	10	38.5	-144	0.0087	Decreasing
		MW-30WR	23	18	0.1	-14	0.6060	No Trend
		MW-32W/W-R	29	3	1502	-231	0.0000	Decreasing
		MW-34S	30	0	6755	-111	0.0477	Decreasing
		MW-34I	18	12	0.1	-37	0.0927	Decreasing
		MW-45W	29	1	3200	-128	0.0163	Decreasing
		MW-46W/WR	30	0	3640.5	-287	0.0000	Decreasing
		MW-70/70S	29	0	714.5	-57	0.3092	No Trend
		IO-10	28	16	0.1	-126	0.0056	Decreasing
		OU3MW-02S	5	4	0.1	0	1.0000	No Trend
		OU3MW-03S	5	3	0.1	-3	0.4054	No Trend
		OU3MW-03I	5	3	0.1	3	0.4054	No Trend
		OU3MW-04S	5	2	7	-3	0.4485	No Trend
		OU3MW-04I	5	2	187	3	0.4485	No Trend
		OU3MW-07S	5	0	160	-10	0.0143	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 4-21
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	23	19	0.1	26	0.2951	No Trend
		MW-65	24	23	0.1	-23	0.0966	Decreasing
		MW-73	23	1	575	-69	0.0684	Decreasing
		MW-75	24	8	42.5	-10	0.8001	No Trend
		MW-76	23	21	0.1	-37	0.0439	Decreasing
		MW-78	22	12	0.1	-102	0.0016	Decreasing
		MW-79	23	10	3	-140	0.0001	Decreasing
		MW-80	23	0	701	-133	0.0004	Decreasing
		MW-81	23	3	480	-60	0.1126	No Trend
		MW-82	23	5	150	-119	0.0016	Decreasing
		MW-83	23	17	0.1	-67	0.0211	Decreasing
		SV-02	24	16	0.1	-10	0.7663	No Trend
		SV-03	23	14	0.1	-81	0.0146	Decreasing
Community Road Line	Downgradient	MW-11W	30	17	0.1	-150	0.0030	Decreasing
		MW-32W/W-R	29	7	45	-144	0.0065	Decreasing
		MW-34S	30	1	94	-114	0.0419	Decreasing
		MW-34I	18	13	0.1	-29	0.1611	No Trend
		MW-34D	20	18	0.1	-21	0.1867	No Trend
		MW-45W	29	9	38	-145	0.0057	Decreasing
		MW-46W/WR	30	1	131	-240	0.0000	Decreasing
		MW-70/70S	29	6	18	-63	0.2584	No Trend
		IO-10	28	19	0.1	-89	0.0331	Decreasing
		OU3MW-03S	5	4	0.1	-4	0.1573	No Trend
		OU3MW-03I	5	4	0.1	2	0.4795	No Trend
		OU3MW-04S	5	3	0.1	-5	0.1655	No Trend
		OU3MW-04I	5	2	9	5	0.2065	No Trend
		OU3MW-07S	5	1	36	-6	0.1416	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 4-22
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 bgs)	Total BTEX Groundwater Concentration (ug/L)											
		Sampling Date											
		2002		2003			2004				2005		
		Jun/Jul	Nov/Dec	Feb-Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	Jun	Aug
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	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-22
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 bgs)	Total BTEX Groundwater Concentration (ug/L)											
		Sampling Date											
		2002		2003			2004				2005		
		Jun/Jul	Nov/Dec	Feb-Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	Jun	Aug
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	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-24S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-24I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-24I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-25I	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-25D	55.0 - 60.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-26S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-26I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-26I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-27S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-27I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-28S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-28I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-29S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-29I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-22
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 bgs)	Total BTEX Groundwater Concentration (ug/L)											
		Sampling Date											
		2005	2006				2007				2008		
		Nov/Dec	Mar	Jun	Jul/Aug	Nov/Dec	Mar	May-Jul	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	Jul-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	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	--	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

Table 4-22
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 bgs)	Total BTEX Groundwater Concentration (ug/L)											
		Sampling Date											
		2005	2006				2007				2008		
		Nov/Dec	Mar	Jun	Jul/Aug	Nov/Dec	Mar	May-Jul	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	Jul-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	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-24S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-24I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-24I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-25I	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-25D	55.0 - 60.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-26S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-26I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-26I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-27S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-27I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-28S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-28I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-29S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-29I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-22
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 bgs)	Total BTEX Groundwater Concentration (ug/L)							
		Sampling Date							
		2008	2009				2010		
		Oct-Dec	Jan-Mar	Apr-Jun	Jul-Aug	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Aug
WCMW-01S	2.0 - 12.0	3	3	1	4	0	1	5	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	0	0	0
WCMW-02S	3.0 - 13.0	0	0	0	0	5	0	0	0
WCMW-02I	34.5 - 44.5	0	0	0	0	0	0	0	0
WCMW-02D	62.0 - 72.0	0	0	0	0	0	0	0	0
WCMW-03S	4.83 - 9.83	24	33	34	23	6	27	29	30
WCMW-03I	19.4 - 24.4	0	0	0	0	0	0	0	0
WCMW-03I2	28.55 - 33.55	0	0	0	0	0	0	0	0
WCMW-04S	1.6 - 11.6	26	21	34	10	2	6	12	32
WCMW-04I	19.0 - 24.0	0	0	0	2	0	0	0	0
WCMW-04I2	29.85 - 34.85	0	0	0	0	0	0	0	0
WCMW-05S	1.4 - 11.4	0	1	0	0	1	2	3	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	0
WCMW-06I	19.55 - 24.55	0	0	0	0	0	0	0	0
WCMW-06I2	29.83 - 34.83	0	0	0	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	--	--
WCMW-08I	19.2 - 24.2	--	--	--	--	--	0	--	--
WCMW-08I2	26.9 - 31.9	--	--	--	--	--	0	--	--
WCMW-09S	5.0 - 15.0	0	0	0	0	0	0	0	--
WCMW-10S	15.0 - 20.0	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	--	--	53	36	2	23	--	12
WCMW-11I	25.0 - 35.0	--	--	0	0	0	0	--	0
WCMW-11D	50.0 - 60.0	--	--	0	0	0	0	--	0
WCMW-12S	3.0 - 13.0	0	0	0	0	0	0	0	0
WCMW-12I	25.0 - 30.0	0	0	0	0	0	0	0	0
WCMW-12D	67.0 - 72.0	0	0	0	0	0	0	0	0
WCMW-13S	3.0 - 13.0	0	0	0	0	0	0	0	0
WCMW-13I	25.0 - 30.0	0	0	0	0	0	0	0	0
WCMW-13D	65.0 - 70.0	0	0	0	0	0	0	0	0
WCMW-14S	2.0 - 12.0	0	0	0	0	0	0	0	0
WCMW-14I	20.0 - 25.0	0	0	0	0	0	1	0	0
WCMW-14I2	30.0 - 35.0	0	0	0	0	0	0	0	0
WCMW-14D	67.0 - 72.0	0	0	0	0	0	0	0	0
WCMW-16S	2.0 - 12.0	0	0	2	0	9	0	0	0
WCMW-16I	20.0 - 25.0	0	0	1	0	0	0	0	0
WCMW-16I2	30.0 - 35.0	0	0	2	0	0	0	0	0

Table 4-22
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 bgs)	Total BTEX Groundwater Concentration (ug/L)							
		Sampling Date							
		2008	2009				2010		
		Oct-Dec	Jan-Mar	Apr-Jun	Jul-Aug	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Aug
WCMW-17S	2.0 - 12.0	--	--	5	6	2	0	1	1
WCMW-17I	20.0 - 25.0	--	--	0	2	0	0	1	0
WCMW-17I2	30.0 - 35.0	--	--	0	0	0	0	0	0
WCMW-18WT	2.0 - 7.0	--	--	0	0	0	0	0	0
WCMW-18S	2.0 - 12.0	--	--	0	0	1	0	0	0
WCMW-18I	20.0 - 25.0	--	--	0	0	0	0	0	0
WCMW-18I2	30.0 - 35.0	--	--	0	0	0	0	0	0
WCMW-19S	2.0 - 12.0	--	--	--	0	0	0	0	0
WCMW-19I	20.0 - 25.0	--	--	--	0	0	0	0	0
WCMW-19I2	30.0 - 35.0	--	--	--	0	0	0	0	0
WCMW-20S	2.0 - 12.0	--	--	--	0	0	0	0	0
WCMW-20I	20.0 - 25.0	--	--	--	0	0	0	0	0
WCMW-20I2	30.0 - 35.0	--	--	--	0	0	0	0	0
WCMW-21S	2.0 - 12.0	--	--	--	0	0	0	0	0
WCMW-21I	20.0 - 25.0	--	--	--	0	0	0	0	0
WCMW-21I2	30.0 - 35.0	--	--	--	0	0	0	0	0
WCMW-22S	2.0 - 12.0	--	--	--	0	0	0	--	--
WCMW-22I	25.0 - 30.0	--	--	--	0	0	0	--	--
WCMW-23S	2.0 - 12.0	--	--	--	0	0	0	--	--
WCMW-23I	25.0 - 30.0	--	--	--	0	0	0	--	--
WCMW-24S	2.0 - 12.0	--	--	--	--	0	16	--	8
WCMW-24I	20.0 - 25.0	--	--	--	--	0	0	--	0
WCMW-24I2	30.0 - 35.0	--	--	--	--	0	0	--	0
WCMW-25I	30.0 - 35.0	--	--	--	--	0	1	0	0
WCMW-25D	55.0 - 60.0	--	--	--	--	0	0	0	0
WCMW-26S	2.0 - 12.0	--	--	--	--	44	78	--	35
WCMW-26I	20.0 - 25.0	--	--	--	--	0	0	--	0
WCMW-26I2	30.0 - 35.0	--	--	--	--	0	0	--	0
WCMW-27S	2.0 - 12.0	--	--	--	--	19	4	29	16
WCMW-27I	20.0 - 25.0	--	--	--	--	0	0	0	0
WCMW-28S	2.0 - 12.0	--	--	--	--	0	0	0	0
WCMW-28I	20.0 - 25.0	--	--	--	--	0	0	0	0
WCMW-29S	2.0 - 12.0	--	--	--	--	--	--	--	84
WCMW-29I	20.0 - 25.0	--	--	--	--	--	--	--	0

Table 4-22
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 bgs)	Total BTEX Groundwater Concentration (ug/L)				
		Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
WCMW-01S	2.0 - 12.0	0	23	3	0	23
WCMW-01I	35.0 - 45.0	0	1	0	0	1
WCMW-01D	64.0 - 74.0	0	2	0	0	2
WCMW-02S	3.0 - 13.0	0	6	1	0	6
WCMW-02I	34.5 - 44.5	0	0	0	0	0
WCMW-02D	62.0 - 72.0	0	0	0	0	0
WCMW-03S	4.83 - 9.83	0	42	18	0	42
WCMW-03I	19.4 - 24.4	0	0	0	0	0
WCMW-03I2	28.55 - 33.55	0	0	0	0	0
WCMW-04S	1.6 - 11.6	0	40	14	0	40
WCMW-04I	19.0 - 24.0	0	2	0	0	2
WCMW-04I2	29.85 - 34.85	0	0	0	0	0
WCMW-05S	1.4 - 11.4	0	3	0	0	3
WCMW-05I	19.61 - 24.61	0	0	0	0	0
WCMW-05I2	29.46 - 34.46	0	0	0	0	0
WCMW-06S	2.0 - 12.0	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	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
WCMW-10S	15.0 - 20.0	0	0	0	0	0
WCMW-10D	40.0 - 50.0	0	1	0	0	1
WCMW-11S	5.0 - 15.0	2	148	56	2	148
WCMW-11I	25.0 - 35.0	0	0	0	0	0
WCMW-11D	50.0 - 60.0	0	0	0	0	0
WCMW-12S	3.0 - 13.0	0	0	0	0	0
WCMW-12I	25.0 - 30.0	0	0	0	0	0
WCMW-12D	67.0 - 72.0	0	0	0	0	0
WCMW-13S	3.0 - 13.0	0	1	0	0	1
WCMW-13I	25.0 - 30.0	0	0	0	0	0
WCMW-13D	65.0 - 70.0	0	0	0	0	0
WCMW-14S	2.0 - 12.0	0	0	0	0	0
WCMW-14I	20.0 - 25.0	0	1	0	0	1
WCMW-14I2	30.0 - 35.0	0	0	0	0	0
WCMW-14D	67.0 - 72.0	0	0	0	0	0
WCMW-16S	2.0 - 12.0	0	9	1	0	9
WCMW-16I	20.0 - 25.0	0	1	0	0	1
WCMW-16I2	30.0 - 35.0	0	2	0	0	2

Table 4-22
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 bgs)	Total BTEX Groundwater Concentration (ug/L)				
		Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
WCMW-17S	2.0 - 12.0	0	6	3	0	6
WCMW-17I	20.0 - 25.0	0	2	1	0	2
WCMW-17I2	30.0 - 35.0	0	0	0	0	0
WCMW-18WT	2.0 - 7.0	0	0	0	0	0
WCMW-18S	2.0 - 12.0	0	1	0	0	1
WCMW-18I	20.0 - 25.0	0	0	0	0	0
WCMW-18I2	30.0 - 35.0	0	0	0	0	0
WCMW-19S	2.0 - 12.0	0	0	0	0	0
WCMW-19I	20.0 - 25.0	0	0	0	0	0
WCMW-19I2	30.0 - 35.0	0	0	0	0	0
WCMW-20S	2.0 - 12.0	0	0	0	0	0
WCMW-20I	20.0 - 25.0	0	0	0	0	0
WCMW-20I2	30.0 - 35.0	0	0	0	0	0
WCMW-21S	2.0 - 12.0	0	0	0	0	0
WCMW-21I	20.0 - 25.0	0	0	0	0	0
WCMW-21I2	30.0 - 35.0	0	0	0	0	0
WCMW-22S	2.0 - 12.0	0	0	0	0	0
WCMW-22I	25.0 - 30.0	0	0	0	0	0
WCMW-23S	2.0 - 12.0	0	0	0	0	0
WCMW-23I	25.0 - 30.0	0	0	0	0	0
WCMW-24S	2.0 - 12.0	0	16	8	0	16
WCMW-24I	20.0 - 25.0	0	0	0	0	0
WCMW-24I2	30.0 - 35.0	0	0	0	0	0
WCMW-25I	30.0 - 35.0	0	1	0	0	1
WCMW-25D	55.0 - 60.0	0	0	0	0	0
WCMW-26S	2.0 - 12.0	44	78	61	35	78
WCMW-26I	20.0 - 25.0	0	0	0	0	0
WCMW-26I2	30.0 - 35.0	0	0	0	0	0
WCMW-27S	2.0 - 12.0	4	29	17	4	29
WCMW-27I	20.0 - 25.0	0	0	0	0	0
WCMW-28S	2.0 - 12.0	0	0	0	0	0
WCMW-28I	20.0 - 25.0	0	0	0	0	0
WCMW-29S	2.0 - 12.0	NA	NA	NA	84	84
WCMW-29I	20.0 - 25.0	NA	NA	NA	0	0

Notes for groundwater tables are compiled at the end of the Tables in this section.

Table 4-23
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 bgs)	Total PAH Groundwater Concentrations (ug/L)											
		Sampling Date											
		2002		2003			2004				2005		
		Jun/July	Nov/Dec	Feb-Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	Jun	Aug
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 4-23
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 bgs)	Total PAH Groundwater Concentrations (ug/L)											
		Sampling Date											
		2002		2003			2004				2005		
		Jun/July	Nov/Dec	Feb-Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	Jun	Aug
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	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-24S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-24I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-24I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-25I	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-25D	55.0 - 60.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-26S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-26I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-26I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-27S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-27I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-28S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-28I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-29S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-29I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-23
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 bgs)	Total PAH Groundwater Concentration (ug/L)											
		Sampling Date											
		2005	2006				2007				2008		
		Nov/Dec	Mar	Jun	Jul/Aug	Nov/Dec	Mar	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	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 4-23
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 bgs)	Total PAH Groundwater Concentration (ug/L)											
		Sampling Date											
		2005	2006				2007				2008		
		Nov/Dec	Mar	Jun	Jul/Aug	Nov/Dec	Mar	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	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-24S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-24I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-24I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-25I	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-25D	55.0 - 60.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-26S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-26I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-26I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-27S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-27I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-28S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-28I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-29S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-29I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-23
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 bgs)	Total PAH Groundwater Concentration (ug/L)							
		Sampling Date							
		2008	2009				2010		
		Oct-Dec	Jan-Mar	Apr-Jun	July-Aug	Oct-Dec	Jan-Mar	Apr-Jun	July-Sep
WCMW-01S	2.0 - 12.0	77	0	16	26	3	4	14	115
WCMW-01I	35.0 - 45.0	0	0	0	46	0	1	0	0
WCMW-01D	64.0 - 74.0	0	0	0	2	0	0	0	0
WCMW-02S	3.0 - 13.0	27	0	5	0	12	3	0	2
WCMW-02I	34.5 - 44.5	0	0	0	0	0	0	0	0
WCMW-02D	62.0 - 72.0	0	0	0	0	0	0	0	0
WCMW-03S	4.83 - 9.83	239	243	358	419	237	501	6	327
WCMW-03I	19.4 - 24.4	1,107	142	1,146	994	1,743	1,127	1,332	1,213
WCMW-03I2	28.55 - 33.55	24	0	2	5	15	0	535	0
WCMW-04S	1.6 - 11.6	332	43	16	272	197	204	227	251
WCMW-04I	19.0 - 24.0	100	33	108	101	46	15	30	97
WCMW-04I2	29.85 - 34.85	0	0	0	0	2	0	0	0
WCMW-05S	1.4 - 11.4	2	5	7	6	8	8	7	38
WCMW-05I	19.61 - 24.61	150	170	241	411	432	270	83	43
WCMW-05I2	29.46 - 34.46	63	0	48	5	0	0	0	19
WCMW-06S	2.0 - 12.0	0	0	0	0	0	0	0	0
WCMW-06I	19.55 - 24.55	0	0	0	0	0	0	0	0
WCMW-06I2	29.83 - 34.83	0	0	0	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	--	--
WCMW-08I	19.2 - 24.2	--	--	--	--	--	0	--	--
WCMW-08I2	26.9 - 31.9	--	--	--	--	--	0	--	--
WCMW-09S	5.0 - 15.0	0	0	0	0	0	0	0	--
WCMW-10S	15.0 - 20.0	0	0	0	0	5	0	0	--
WCMW-10D	40.0 - 50.0	0	0	0	0	3	0	0	--
WCMW-11S	5.0 - 15.0	--	--	624	637	238	159	--	496
WCMW-11I	25.0 - 35.0	--	--	0	10	1	20	--	0
WCMW-11D	50.0 - 60.0	--	--	0	0	0	2	--	0
WCMW-12S	3.0 - 13.0	1	4	13	0	3	0	2	0
WCMW-12I	25.0 - 30.0	0	0	5	5	16	0	0	0
WCMW-12D	67.0 - 72.0	0	0	0	0	0	0	0	0
WCMW-13S	3.0 - 13.0	53	0	0	0	0	1	0	0
WCMW-13I	25.0 - 30.0	0	0	0	0	0	0	0	0
WCMW-13D	65.0 - 70.0	1	0	0	0	0	0	0	0
WCMW-14S	2.0 - 12.0	0	0	6	0	4	20	23	26
WCMW-14I	20.0 - 25.0	2	2	50	64	81	149	214	149
WCMW-14I2	30.0 - 35.0	10	1	11	0	18	57	25	95
WCMW-14D	67.0 - 72.0	0	0	2	0	0	0	0	0
WCMW-16S	2.0 - 12.0	0	24	22	0	1,971	2,259	337	43
WCMW-16I	20.0 - 25.0	0	0	18	0	2	13	6	14
WCMW-16I2	30.0 - 35.0	0	0	4	55	5	15	10	17

Table 4-23
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 bgs)	Total PAH Groundwater Concentration (ug/L)							
		Sampling Date							
		2008	2009				2010		
		Oct-Dec	Jan-Mar	Apr-Jun	July-Aug	Oct-Dec	Jan-Mar	Apr-Jun	July-Sep
WCMW-17S	2.0 - 12.0	--	--	295	226	201	141	339	431
WCMW-17I	20.0 - 25.0	--	--	292	342	38	186	338	394
WCMW-17I2	30.0 - 35.0	--	--	0	16	0	12	12	31
WCMW-18WT	2.0 - 7.0	--	--	0	0	0	0	0	0
WCMW-18S	2.0 - 12.0	--	--	0	0	0	0	0	0
WCMW-18I	20.0 - 25.0	--	--	0	0	0	0	0	0
WCMW-18I2	30.0 - 35.0	--	--	0	0	0	0	0	0
WCMW-19S	2.0 - 12.0	--	--	--	0	0	0	0	0
WCMW-19I	20.0 - 25.0	--	--	--	0	0	0	0	0
WCMW-19I2	30.0 - 35.0	--	--	--	0	0	0	0	0
WCMW-20S	2.0 - 12.0	--	--	--	0	2	0	0	0
WCMW-20I	20.0 - 25.0	--	--	--	0	0	0	0	0
WCMW-20I2	30.0 - 35.0	--	--	--	0	0	0	0	0
WCMW-21S	2.0 - 12.0	--	--	--	0	0	0	0	0
WCMW-21I	20.0 - 25.0	--	--	--	0	0	0	0	0
WCMW-21I2	30.0 - 35.0	--	--	--	0	0	0	0	0
WCMW-22S	2.0 - 12.0	--	--	--	61	56	54	--	--
WCMW-22I	25.0 - 30.0	--	--	--	5	1	0	--	--
WCMW-23S	2.0 - 12.0	--	--	--	34	16	0	--	--
WCMW-23I	25.0 - 30.0	--	--	--	0	0	0	--	--
WCMW-24S	2.0 - 12.0	--	--	--	--	237	336	--	215
WCMW-24I	20.0 - 25.0	--	--	--	--	10	53	--	32
WCMW-24I2	30.0 - 35.0	--	--	--	--	0	0	--	0
WCMW-25I	30.0 - 35.0	--	--	--	--	0	54	0	0
WCMW-25D	55.0 - 60.0	--	--	--	--	0	0	0	0
WCMW-26S	2.0 - 12.0	--	--	--	--	350	232	--	394
WCMW-26I	20.0 - 25.0	--	--	--	--	47	24	--	87
WCMW-26I2	30.0 - 35.0	--	--	--	--	3	24	--	11
WCMW-27S	2.0 - 12.0	--	--	--	--	141	0	278	708
WCMW-27I	20.0 - 25.0	--	--	--	--	0	0	0	0
WCMW-28S	2.0 - 12.0	--	--	--	--	251	36	97	396
WCMW-28I	20.0 - 25.0	--	--	--	--	2	0	0	0
WCMW-29S	2.0 - 12.0	--	--	--	--	--	--	--	2,391
WCMW-29I	20.0 - 25.0	--	--	--	--	--	--	--	43

Table 4-23
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 bgs)	Total PAH Groundwater Concentration (ug/L)				
		Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
WCMW-01S	2.0 - 12.0	0	756	121	0	756
WCMW-01I	35.0 - 45.0	0	46	2	0	46
WCMW-01D	64.0 - 74.0	0	45	4	0	45
WCMW-02S	3.0 - 13.0	0	125	24	0	125
WCMW-02I	34.5 - 44.5	0	4	0	0	4
WCMW-02D	62.0 - 72.0	0	1	0	0	1
WCMW-03S	4.83 - 9.83	6	800	273	6	800
WCMW-03I	19.4 - 24.4	134	1,770	992	134	1,770
WCMW-03I2	28.55 - 33.55	0	535	124	0	535
WCMW-04S	1.6 - 11.6	0	1,080	226	0	1,080
WCMW-04I	19.0 - 24.0	0	221	94	0	221
WCMW-04I2	29.85 - 34.85	0	95	5	0	95
WCMW-05S	1.4 - 11.4	0	31	5	0	38
WCMW-05I	19.61 - 24.61	83	432	243	43	432
WCMW-05I2	29.46 - 34.46	0	214	19	0	214
WCMW-06S	2.0 - 12.0	0	39	2	0	39
WCMW-06I	19.55 - 24.55	0	52	3	0	52
WCMW-06I2	29.83 - 34.83	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
WCMW-10S	15.0 - 20.0	0	21	1	0	21
WCMW-10D	40.0 - 50.0	0	3	0	0	3
WCMW-11S	5.0 - 15.0	159	1,037	570	159	1,037
WCMW-11I	25.0 - 35.0	0	20	4	0	20
WCMW-11D	50.0 - 60.0	0	2	0	0	2
WCMW-12S	3.0 - 13.0	0	13	3	0	13
WCMW-12I	25.0 - 30.0	0	16	3	0	16
WCMW-12D	67.0 - 72.0	0	1	0	0	1
WCMW-13S	3.0 - 13.0	0	53	6	0	53
WCMW-13I	25.0 - 30.0	0	0	0	0	0
WCMW-13D	65.0 - 70.0	0	1	0	0	1
WCMW-14S	2.0 - 12.0	0	23	5	0	26
WCMW-14I	20.0 - 25.0	0	214	66	0	214
WCMW-14I2	30.0 - 35.0	0	70	19	0	95
WCMW-14D	67.0 - 72.0	0	2	0	0	2
WCMW-16S	2.0 - 12.0	0	2,259	470	0	2,259
WCMW-16I	20.0 - 25.0	0	18	4	0	18
WCMW-16I2	30.0 - 35.0	0	55	9	0	55

Table 4-23
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 bgs)	Total PAH Groundwater Concentration (ug/L)				
		Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
WCMW-17S	2.0 - 12.0	141	339	240	141	431
WCMW-17I	20.0 - 25.0	38	342	239	38	394
WCMW-17I2	30.0 - 35.0	0	16	8	0	31
WCMW-18WT	2.0 - 7.0	0	0	0	0	0
WCMW-18S	2.0 - 12.0	0	0	0	0	0
WCMW-18I	20.0 - 25.0	0	0	0	0	0
WCMW-18I2	30.0 - 35.0	0	0	0	0	0
WCMW-19S	2.0 - 12.0	0	0	0	0	0
WCMW-19I	20.0 - 25.0	0	0	0	0	0
WCMW-19I2	30.0 - 35.0	0	0	0	0	0
WCMW-20S	2.0 - 12.0	0	2	1	0	2
WCMW-20I	20.0 - 25.0	0	0	0	0	0
WCMW-20I2	30.0 - 35.0	0	0	0	0	0
WCMW-21S	2.0 - 12.0	0	0	0	0	0
WCMW-21I	20.0 - 25.0	0	0	0	0	0
WCMW-21I2	30.0 - 35.0	0	0	0	0	0
WCMW-22S	2.0 - 12.0	54	61	57	54	61
WCMW-22I	25.0 - 30.0	0	5	2	0	5
WCMW-23S	2.0 - 12.0	0	34	17	0	34
WCMW-23I	25.0 - 30.0	0	0	0	0	0
WCMW-24S	2.0 - 12.0	237	336	287	215	336
WCMW-24I	20.0 - 25.0	10	53	32	10	53
WCMW-24I2	30.0 - 35.0	0	0	0	0	0
WCMW-25I	30.0 - 35.0	0	54	18	0	54
WCMW-25D	55.0 - 60.0	0	0	0	0	0
WCMW-26S	2.0 - 12.0	232	350	291	232	394
WCMW-26I	20.0 - 25.0	24	47	36	24	87
WCMW-26I2	30.0 - 35.0	3	24	14	3	24
WCMW-27S	2.0 - 12.0	0	278	140	0	708
WCMW-27I	20.0 - 25.0	0	0	0	0	0
WCMW-28S	2.0 - 12.0	36	251	128	36	396
WCMW-28I	20.0 - 25.0	0	2	1	0	2
WCMW-29S	2.0 - 12.0	NA	NA	NA	2,391	2,391
WCMW-29I	20.0 - 25.0	NA	NA	NA	43	43

Notes for groundwater tables are compiled at the end of the Tables in this section.

Table 4-24
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-01S	WCMW-01I	WCMW-01I	WCMW-01I	WCMW-01D	WCMW-02S	WCMW-02I	WCMW-02D	WCMW-03S	WCMW-03S	WCMW-03S	WCMW-03I
Screened Interval:	AWQS	2-12 ft	2-12 ft	2-12 ft	35-45 ft	35-45 ft	35-45 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	4.83-9.83 ft	19.4-24.4 ft
Sample Date:		7/8/2010	8/23/2010	9/22/2010	7/8/2010	8/23/2010	9/22/2010	7/8/2010	7/7/2010	7/7/2010	7/7/2010	7/7/2010	8/23/2010	9/21/2010	7/7/2010
Parent Sample:															
BTEX (ug/L)															
Benzene	1	**3 J**	**2 J**	**1 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**10**	**13**	**11**	10 U
Toluene	5	**1 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**2 J**	**2 J**	**1 J**	10 U
Ethylbenzene	5	10 U	**6 J**	**7 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**7**	**12**	**10**	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	**2 J**	**3 J**	**2 J**	10 U
Xylene, o-	5	10 U	**3 J**	**2 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**5**	**10**	**6 J**	10 U
Total BTEX	NE	**4**	**11**	**10**	ND	ND	ND	ND	ND	ND	ND	**26**	**40**	**30**	ND
Other VOCs (ug/L)															
Acetaldehyde	8*	**9 J**	10 U	10 U	10 UJ	10 U	10 U	**160 J**	10 U	10 U	10 U	**11 J**	**7 J**	10 U	10 UJ
Acetone	50*	**120**	**22**	**17**	**1 J**	10 U	10 U	**360**	10 UJ	**3 J**	10 UJ	**85**	**14**	**12**	10 U
Allyl chloride	5	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	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	10 U	10 U	10 U
Bromoform	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	10 U	10 U	10 U	10 U	10 U	10 U	**12 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ
Butadiene, 1,3-	NE	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 UJ
Butanone, 2-	50*	**14**	**3 J**	**2 J**	10 U	10 U	10 U	**11**	10 UJ	10 UJ	10 UJ	**14**	**3 J**	**1 J**	10 UJ
Carbon disulfide	60*	**5 J**	**2 J**	**1 J**	10 UJ	10 U	10 U	**4 J**	10 U	10 U	10 U	**18 J**	**4 J**	**1 J**	10 UJ
Carbon tetrachloride	5	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 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	10 U	10 U	10 U	10 U	10 U	10 U	**5**	10 U	**2 J**	10 U	**1 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	10 UJ	10 U	10 U	10 UJ	10 U	10 U	**470 J**	10 UJ	**10 J**	10 UJ	10 UJ	10 U	**2 J**	10 U
Chlorotoluene	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
Cryofluorane	NE	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 UJ
Cyclohexane	NE	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	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
Dibromoethane, 1,2-	0.0006	10 U	10 U	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, 1,3-	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 U	10 U	10 UJ	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	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 U	10 U	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 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloropropene, cis-1,3	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
Dichloropropene, trans-1,3	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
Dioxane, 1,4-	NE	R	500 U	500 U	R	500 U	500 U	R	R	R	R	R	500 U	500 U	R
Ethanol	NE	R	500 U	500 U	R	500 U	500 U	R	R	R	R	R	500 U	500 U	R
Heptane, n-	NE	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 UJ
Hexachlorobutadiene	0.5	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	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 U	10 U	10 U
Hexanone, 2-	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U

Table 4-24
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-01S	WCMW-01I	WCMW-01I	WCMW-01I	WCMW-01D	WCMW-02S	WCMW-02I	WCMW-02D	WCMW-03S	WCMW-03S	WCMW-03S	WCMW-03I
Screened Interval:	AWQS	2-12 ft	2-12 ft	2-12 ft	35-45 ft	35-45 ft	35-45 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	4.83-9.83 ft	19.4-24.4 ft
Sample Date:		7/8/2010	8/23/2010	9/22/2010	7/8/2010	8/23/2010	9/22/2010	7/8/2010	7/7/2010	7/7/2010	7/7/2010	7/7/2010	8/23/2010	9/21/2010	7/7/2010
Parent Sample:															
Isopropyl benzene	5	10 U	**1 J**	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	**1 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
Methyl-2-pentanone, 4-	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
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*	**16 J**	**58**	**88**	10 UJ	10 U	10 U	10 U	**10 J**	10 UJ	10 UJ	**270 J**	**290 D**	**340 D**	10 UJ
Propanol, 2-	NE	R	500 U	500 U	R	500 U	500 U	R	R	R	R	R	500 U	500 U	R
Propylbenzene, n-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	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
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	10 U	10 U
Tetrachloroethane,1,1,2,2-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	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	10 U	10 U	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 U	10 U	10 U	10 U
Trans-1,2-dichloroethene	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
Trichloro-1,2,2-trifluoroethane, 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	10 U	10 U
Trichlorobenzene, 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
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
Trichloroethane, 1,1,2-	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
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
Trichlorofluoromethane	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	5	10 U	**5 J**	**6 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**13**	**17**	**5 J**	10 U
Trimethylbenzene, 1,2,4-	5	10 U	**9 J**	**11**	10 U	10 U	10 U	10 U	**1 J**	10 U	10 U	**15**	**27**	**13**	10 U
Trimethylpentane, 2,2,4-	NE	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 UJ
Vinyl acetate	NE	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 U
Vinyl chloride	2	10 U	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
Non-carcinogenic PAHs (ug/L)															
Acenaphthene	20*	**4 J**	**14**	**31**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**77**	**59**	**49**	**39**
Acenaphthylene	NE	10 U	**5 J**	**10**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	**240**
Anthracene	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**	**3 J**	**15**
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*	**1 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**2 J**	**1 J**	10 U	**3 J**
Fluorene	50*	**2 J**	**3 J**	**7 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**30**	**24**	**20**	**71**
Methylnaphthalene, 2-	NE	10 U	**3 J**	**5 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**63**	**47 DJ**	**40**	**810**
Naphthalene	10*	**10**	**45**	**56**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**210**	**180 D**	**190 D**	**250**
Phenanthrene	50*	**5**	**4 J**	**6 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**37**	**27**	**25**	**74**
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**2 J**	10 U	10 U	**2 J**	10 U	10 U	**3 J**
Total Noncarcinogenic PAHs	NE	**22**	**74**	**115**	ND	ND	ND	ND	**2**	ND	ND	**425**	**341**	**327**	**1505**
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 Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)															
Total PAHs	NE	**22**	**74**	**115**	ND	ND	ND	ND	**2**	ND	ND	**425**	**341**	**327**	**1505**

Table 4-24
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:	NYS AWQS	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4
Sample Name:		WCMW-01S	WCMW-01S	WCMW-01S	WCMW-01I	WCMW-01I	WCMW-01I	WCMW-01D	WCMW-02S	WCMW-02I	WCMW-02D	WCMW-03S	WCMW-03S	WCMW-03S	WCMW-03I
Screened Interval:		2-12 ft	2-12 ft	2-12 ft	35-45 ft	35-45 ft	35-45 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	4.83-9.83 ft	19.4-24.4 ft
Sample Date:		7/8/2010	8/23/2010	9/22/2010	7/8/2010	8/23/2010	9/22/2010	7/8/2010	7/7/2010	7/7/2010	7/7/2010	7/7/2010	8/23/2010	9/21/2010	7/7/2010
Parent Sample:															
Other SVOCs (ug/L)															
Bis(2-chloroethoxy)methane	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
Bis(2-chloroethyl)ether	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
Bis(2-ethylhexyl)phthalate	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**2 J**	**4 J**	10 U	**1 J**
Bis(chloroisopropyl)ether	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
Bromophenyl phenyl ether, 4-	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
Butyl benzyl phthalate	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
Carbazole	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**2 J**	**1 J**	**1 J**	**2 J**
Chloro-3-methylphenol, 4-	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
Chloroaniline, 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
Chloronaphthalene, 2-	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
Chlorophenol, 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
Chlorophenyl phenyl ether, 4-	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
Dibenzofuran	NE	10 U	10 U	**2 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**5**	**4 J**	**4 J**	**13**
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, 1,3-	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
Dichlorobenzidine, 3,3-	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
Dichlorophenol, 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
Diethyl phthalate	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
Dimethyl phthalate	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
Dimethylphenol, 2,4-	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
Di-n-butyl phthalate	50	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
Dinitro-2-methylphenol, 4,6-	NE	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Dinitrophenol, 2,4-	10*	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Dinitrotoluene, 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
Dinitrotoluene, 2,6-	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
Di-n-octyl phthalate	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
Hexachlorobenzene	0.04	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	0.5	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
Hexachlorocyclopentadiene	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
Hexachloroethane	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
Isophorone	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
Methylphenol, 2-	1	**1 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**2 J**	**2 J**	10 U
Methylphenol, 4-	1	**15**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**4 J**	**6 J**	10 U
Nitroaniline, 2-	5	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Nitroaniline, 3-	5	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Nitroaniline, 4-	5	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Nitrobenzene	0.4	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Nitrophenol, 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
Nitrophenol, 4-	NE	25 U	25 U	25 U	25 U	25 U	25 U	25 UJ	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Nitrosodi-n-propylamine, 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
Nitrosodiphenylamine, N-	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
Pentachlorophenol	1	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Phenol	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
Trichlorobenzene, 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
Trichlorophenol, 2,4,5-	NE	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Trichlorophenol, 2,4,6-	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
Other (ug/L)															
Sulfate	250000	**4250000**	NA	NA	**47200**	NA	NA	**4210000**	**17700**	**33200**	5000 U	NA	NA	NA	NA

Table 4-24
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
Sample Name:	NYS	WCMW-03I	WCMW-03I	WCMW-03I2	WCMW-03I2	DUP OU4-01	WCMW-03I2	WCMW-04S	WCMW-04S	WCMW-04S	WCMW-04I	WCMW-04I	WCMW-04I	WCMW-04I2
Screened Interval:	AWQS	19.4-24.4 ft	19.4-24.4 ft	28.55-33.55 ft	28.55-33.55 ft	28.55-33.55 ft	28.55-33.55 ft	1.6-11.6 ft	1.6-11.6 ft	1.6-11.6 ft	19-24 ft	19-24 ft	19-24 ft	29.85-34.85 ft
Sample Date:		8/23/2010	9/21/2010	7/7/2010	8/23/2010	8/23/2010	9/17/2010	7/8/2010	8/23/2010	9/17/2010	7/8/2010	8/23/2010	9/17/2010	7/8/2010
Parent Sample:						WCMW-03I2								
BTEX (ug/L)														
Benzene	1	10 U	10 U	10 U	10 U	10 U	10 U	**1 J**	**2 J**	**3 J**	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
Ethylbenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	**9**	**14**	**20**	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
Xylene, o-	5	10 U	10 U	10 U	10 U	10 U	10 U	**4 J**	**7 J**	**9 J**	10 U	10 U	10 U	10 U
Total BTEX	NE	ND	ND	ND	ND	ND	ND	**14**	**23**	**32**	ND	ND	ND	ND
Other VOCs (ug/L)														
Acetaldehyde	8*	10 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ
Acetone	50*	10 U	10 U	10 U	10 U	10 U	10 U	**5**	**2 J**	10 U	**16**	**2 J**	**3 J**	**3 J**
Allyl chloride	5	10 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	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	10 U	10 U
Bromoform	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
Bromomethane	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	10 U
Butadiene, 1,3-	NE	10 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ
Butanone, 2-	50*	10 U	10 U	10 UJ	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 UJ	10 U	10 U	10 U	10 UJ	10 U	10 U	**1 J**	10 U	10 U	10 UJ
Carbon tetrachloride	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
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
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	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
Chloromethane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ
Chlorotoluene	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
Cryofluorane	NE	10 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ
Cyclohexane	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	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
Dibromoethane, 1,2-	0.0006	10 U	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	**2 J**	**2 J**	10 U	10 U	10 U	10 U	**1 J**	**1 J**	**1 J**	10 U	10 U	10 U	10 U
Dichlorobenzene, 1,3-	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
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
Dichlorodifluoromethane	5	10 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ
Dichloroethane, 1,1-	5	10 U	10 U	**2 J**	**1 J**	**1 J**	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
Dichloroethene, 1,1-	0.07	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
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
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
Dichloropropene, cis-1,3	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
Dichloropropene, trans-1,3	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
Dioxane, 1,4-	NE	500 U	500 U	R	500 U	500 U	500 U	R	500 U	500 U	R	500 U	500 U	R
Ethanol	NE	500 U	500 U	R	500 U	500 U	500 U	R	500 U	500 U	R	500 U	500 U	R
Heptane, n-	NE	10 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ
Hexachlorobutadiene	0.5	10 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 U	10 U	10 UJ	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 U	10 U
Hexanone, 2-	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

Table 4-24
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
Sample Name:	NYS	WCMW-03I	WCMW-03I	WCMW-03I2	WCMW-03I2	DUP OU4-01	WCMW-03I2	WCMW-04S	WCMW-04S	WCMW-04S	WCMW-04I	WCMW-04I	WCMW-04I	WCMW-04I2
Screened Interval:	AWQS	19.4-24.4 ft	19.4-24.4 ft	28.55-33.55 ft	28.55-33.55 ft	28.55-33.55 ft	28.55-33.55 ft	1.6-11.6 ft	1.6-11.6 ft	1.6-11.6 ft	19-24 ft	19-24 ft	19-24 ft	29.85-34.85 ft
Sample Date:		8/23/2010	9/21/2010	7/7/2010	8/23/2010	8/23/2010	9/17/2010	7/8/2010	8/23/2010	9/17/2010	7/8/2010	8/23/2010	9/17/2010	7/8/2010
Parent Sample:						WCMW-03I2								
Isopropyl benzene	5	10 U	10 U	10 U	10 U	10 U	10 U	**3 J**	**5 J**	**6 J**	10 U	10 U	10 U	10 U
Methyl tert-butyl ether	10*	**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
Methyl-2-pentanone, 4-	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
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
Naphthalene	10*	**290 D**	**330 D**	10 UJ	**2 J**	10 U	10 U	**35 J**	**59**	**62**	**7 J**	**11**	**6 J**	10 UJ
Propanol, 2-	NE	500 U	500 U	R	500 U	500 U	500 U	R	500 U	500 U	R	500 U	500 U	R
Propylbenzene, n-	5	**1 J**	10 U	10 U	10 U	10 U	10 U	**1 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
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	10 U
Tetrachloroethane,1,1,2,2-	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
Tetrachloroethene	5	**2 J**	**2 J**	10 UJ	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 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trans-1,2-dichloroethene	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
Trichloro-1,2,2-trifluoroethane, 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	10 U
Trichlorobenzene, 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
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
Trichloroethane, 1,1,2-	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
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
Trichlorofluoromethane	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
Trimethylbenzene 1,3,5-/P-ethyltoluene	5	**16**	**12**	10 U	10 U	10 U	10 U	**14**	**26**	**30**	10 U	10 U	10 U	10 U
Trimethylbenzene, 1,2,4-	5	**27**	**24**	10 U	10 U	10 U	10 U	**15**	**28**	**25**	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 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ
Vinyl acetate	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
Vinyl chloride	2	10 U	10 U	10 U	10 U	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*	**35**	**35**	10 U	10 U	10 U	10 U	**49**	**160 D**	**130 D**	**4 J**	**9 J**	**8 J**	10 U
Acenaphthylene	NE	**240 D**	**220 D**	10 U	10 U	10 U	10 U	**13**	**31**	**23**	**5**	**28**	**32**	10 U
Anthracene	50*	**13**	**10**	**2 J**	10 U	10 U	10 U	**3 J**	**4 J**	**3 J**	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
Fluoranthene	50*	**2 J**	**3 J**	**3 J**	**3 J**	**3 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	**79**	**68**	10 U	10 U	10 U	10 U	**10**	**30**	**29**	**6**	**16**	**25**	10 U
Methylnaphthalene, 2-	NE	**720 D**	**590 D**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**20**	**28**	**15**	10 U
Naphthalene	10*	**230 D**	**220 D**	10 U	10 U	10 U	10 U	**27**	**46**	**48**	**6**	**9 J**	**4 J**	10 U
Phenanthrene	50*	**69**	**64**	10 U	10 U	10 U	10 U	**14**	**22**	**18**	**4 J**	**7 J**	**13**	10 U
Pyrene	50*	**3 J**	**3 J**	**4 J**	**4 J**	**4 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total Noncarcinogenic PAHs	NE	**1391**	**1213**	**9**	**7**	**7**	ND	**116**	**293**	**251**	**45**	**97**	**97**	ND
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
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
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
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
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
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
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
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)														
Total PAHs	NE	**1391**	**1213**	**9**	**7**	**7**	ND	**116**	**293**	**251**	**45**	**97**	**97**	ND

Table 4-24
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
Sample Name:	NYS	WCMW-03I	WCMW-03I	WCMW-03I2	WCMW-03I2	DUP OU4-01	WCMW-03I2	WCMW-04S	WCMW-04S	WCMW-04S	WCMW-04I	WCMW-04I	WCMW-04I	WCMW-04I2
Screened Interval:	AWQS	19.4-24.4 ft	19.4-24.4 ft	28.55-33.55 ft	28.55-33.55 ft	28.55-33.55 ft	28.55-33.55 ft	1.6-11.6 ft	1.6-11.6 ft	1.6-11.6 ft	19-24 ft	19-24 ft	19-24 ft	29.85-34.85 ft
Sample Date:		8/23/2010	9/21/2010	7/7/2010	8/23/2010	8/23/2010	9/17/2010	7/8/2010	8/23/2010	9/17/2010	7/8/2010	8/23/2010	9/17/2010	7/8/2010
Parent Sample:						WCMW-03I2								
Other SVOCs (ug/L)														
Bis(2-chloroethoxy)methane	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
Bis(2-chloroethyl)ether	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
Bis(2-ethylhexyl)phthalate	5	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
Bis(chloroisopropyl)ether	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
Bromophenyl phenyl ether, 4-	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
Butyl benzyl phthalate	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
Carbazole	NE	**1 J**	**1 J**	10 U	10 U	10 U	10 U	10 U	**3 J**	**3 J**	10 U	10 U	10 U	10 U
Chloro-3-methylphenol, 4-	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
Chloroaniline, 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
Chloronaphthalene, 2-	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
Chlorophenol, 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
Chlorophenyl phenyl ether, 4-	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
Dibenzofuran	NE	**12**	**12**	10 U	10 U	10 U	10 U	**2 J**	**5 J**	**5 J**	**1 J**	**3 J**	**4 J**	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
Dichlorobenzene, 1,3-	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
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
Dichlorobenzidine, 3,3-	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
Dichlorophenol, 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
Diethyl phthalate	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
Dimethyl phthalate	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
Dimethylphenol, 2,4-	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
Di-n-butyl phthalate	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
Dinitro-2-methylphenol, 4,6-	NE	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Dinitrophenol, 2,4-	10*	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Dinitrotoluene, 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
Dinitrotoluene, 2,6-	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
Di-n-octyl phthalate	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
Hexachlorobenzene	0.04	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	0.5	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
Hexachlorocyclopentadiene	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
Hexachloroethane	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
Isophorone	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
Methylphenol, 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
Methylphenol, 4-	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
Nitroaniline, 2-	5	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Nitroaniline, 3-	5	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Nitroaniline, 4-	5	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Nitrobenzene	0.4	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Nitrophenol, 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
Nitrophenol, 4-	NE	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Nitrosodi-n-propylamine, 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
Nitrosodiphenylamine, N-	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
Pentachlorophenol	1	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Phenol	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
Trichlorobenzene, 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
Trichlorophenol, 2,4,5-	NE	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Trichlorophenol, 2,4,6-	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
Other (ug/L)														
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-24
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
Sample Name:	NYS	WCMW-04I2	WCMW-04I2	WCMW-05S	WCMW-05S	WCMW-05S	WCMW-05I	WCMW-05I	WCMW-05I	WCMW-05I2	WCMW-05I2	WCMW-05I2	DUP-02 OU4	WCMW-06S
Screened Interval:	AWQS	29.85-34.85 ft	29.85-34.85 ft	1.15-11.15 ft	1.15-11.15 ft	1.15-11.15 ft	19.61-24.61 ft	19.61-24.61 ft	19.61-24.61 ft	29.46-34.46 ft	29.46-34.46 ft	29.46-34.46 ft	29.46-34.46 ft	2-12 ft
Sample Date:		8/23/2010	9/17/2010	7/7/2010	8/23/2010	9/16/2010	7/7/2010	8/23/2010	9/17/2010	7/7/2010	8/23/2010	9/17/2010	9/17/2010	7/9/2010
Parent Sample:													WCMW-05I2	
BTEX (ug/L)														
Benzene	1	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
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
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
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
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
Total BTEX	NE	ND	ND	**3**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs (ug/L)														
Acetaldehyde	8*	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ
Acetone	50*	**2 J**	**2 J**	**6**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Allyl chloride	5	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	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
Bromoform	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
Bromomethane	5	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
Butadiene, 1,3-	NE	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
Butanone, 2-	50*	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
Carbon disulfide	60*	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
Carbon tetrachloride	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 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
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	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
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 UJ
Chlorotoluene	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
Cryofluorane	NE	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	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	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
Dibromoethane, 1,2-	0.0006	10 U	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
Dichlorobenzene, 1,3-	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
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
Dichlorodifluoromethane	5	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 U	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
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
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
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
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
Dichloropropene, cis-1,3	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
Dichloropropene, trans-1,3	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
Dioxane, 1,4-	NE	500 U	500 U	R	500 U	500 U	R	500 U	500 U	R	500 U	500 U	500 U	R
Ethanol	NE	500 U	500 U	R	500 U	500 U	R	500 U	500 U	R	500 U	500 U	500 U	R
Heptane, n-	NE	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
Hexachlorobutadiene	0.5	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	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	10 U
Hexanone, 2-	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

Table 4-24
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
Sample Name:	NYS	WCMW-04I2	WCMW-04I2	WCMW-05S	WCMW-05S	WCMW-05S	WCMW-05I	WCMW-05I	WCMW-05I	WCMW-05I2	WCMW-05I2	WCMW-05I2	DUP-02 OU4	WCMW-06S
Screened Interval:	AWQS	29.85-34.85 ft	29.85-34.85 ft	1.15-11.15 ft	1.15-11.15 ft	1.15-11.15 ft	19.61-24.61 ft	19.61-24.61 ft	19.61-24.61 ft	29.46-34.46 ft	29.46-34.46 ft	29.46-34.46 ft	29.46-34.46 ft	2-12 ft
Sample Date:		8/23/2010	9/17/2010	7/7/2010	8/23/2010	9/16/2010	7/7/2010	8/23/2010	9/17/2010	7/7/2010	8/23/2010	9/17/2010	9/17/2010	7/9/2010
Parent Sample:													WCMW-05I2	
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
Methyl tert-butyl ether	10*	10 U	10 U	10 U	10 U	**1 J**	10 U	**1 J**	**1 J**	**1 J**	**2 J**	**2 J**	**2 J**	**1 J**
Methyl-2-pentanone, 4-	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
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
Naphthalene	10*	10 U	10 U	10 UJ	10 U	10 U	**34 J**	**39**	**29**	**4 J**	**6 J**	**5 J**	**6 J**	10 U
Propanol, 2-	NE	500 U	500 U	R	500 U	500 U	R	500 U	500 U	R	500 U	500 U	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
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
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	10 U
Tetrachloroethane,1,1,2,2-	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
Tetrachloroethene	5	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
Tetrahydrofuran	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
Trans-1,2-dichloroethene	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
Trichloro-1,2,2-trifluoroethane, 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	10 U
Trichlorobenzene, 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
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
Trichloroethane, 1,1,2-	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
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
Trichlorofluoromethane	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
Trimethylbenzene 1,3,5-/P-ethyltoluene	5	10 U	10 U	10 U	10 U	10 U	**1 J**	**2 J**	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene, 1,2,4-	5	10 U	10 U	10 U	**1 J**	**2 J**	**2 J**	**4 J**	**2 J**	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 UJ	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
Vinyl acetate	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 UJ
Vinyl chloride	2	10 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
Non-carcinogenic PAHs (ug/L)														
Acenaphthene	20*	10 U	10 U	**15**	**15**	**28**	**14**	**13**	**8 J**	**2 J**	**3 J**	**2 J**	**2 J**	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	**48**	**42**	**10**	**11**	**14**	**6 J**	**8 J**	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	**7**	**11**	**7 J**	10 U	**2 J**	**1 J**	**1 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
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	**3 J**	**3 J**	**3 J**	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	**2 J**	**3 J**	**6 J**	**27**	**24**	**12**	**4 J**	**8 J**	**6 J**	**6 J**	10 U
Methylnaphthalene, 2-	NE	10 U	10 U	10 U	10 U	10 U	**78**	**18**	10 U	**11**	**17**	**2 J**	**5 J**	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	**21**	**2 J**	10 U	**4 J**	**4 J**	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	**1 J**	**4 J**	**41**	**42**	10 U	**4 J**	**11**	**2 J**	**2 J**	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	**4 J**	**4 J**	**3 J**	10 U	10 U	10 U	10 U	10 U
Total Noncarcinogenic PAHs	NE	ND	ND	**17**	**19**	**38**	**243**	**159**	**43**	**36**	**59**	**19**	**24**	ND
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
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
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
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
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
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
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
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)														
Total PAHs	NE	ND	ND	**17**	**19**	**38**	**243**	**159**	**43**	**36**	**59**	**19**	**24**	ND

Table 4-24
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
Sample Name:	NYS	WCMW-04I2	WCMW-04I2	WCMW-05S	WCMW-05S	WCMW-05S	WCMW-05I	WCMW-05I	WCMW-05I	WCMW-05I2	WCMW-05I2	WCMW-05I2	DUP-02 OU4	WCMW-06S
Screened Interval:	AWQS	29.85-34.85 ft	29.85-34.85 ft	1.15-11.15 ft	1.15-11.15 ft	1.15-11.15 ft	19.61-24.61 ft	19.61-24.61 ft	19.61-24.61 ft	29.46-34.46 ft	29.46-34.46 ft	29.46-34.46 ft	29.46-34.46 ft	2-12 ft
Sample Date:		8/23/2010	9/17/2010	7/7/2010	8/23/2010	9/16/2010	7/7/2010	8/23/2010	9/17/2010	7/7/2010	8/23/2010	9/17/2010	9/17/2010	7/9/2010
Parent Sample:													WCMW-05I2	
Other SVOCs (ug/L)														
Bis(2-chloroethoxy)methane	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
Bis(2-chloroethyl)ether	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
Bis(2-ethylhexyl)phthalate	5	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
Bis(chloroisopropyl)ether	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
Bromophenyl phenyl ether, 4-	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
Butyl benzyl phthalate	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
Carbazole	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
Chloro-3-methylphenol, 4-	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
Chloroaniline, 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
Chloronaphthalene, 2-	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
Chlorophenol, 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
Chlorophenyl phenyl ether, 4-	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
Dibenzofuran	NE	10 U	10 U	10 U	10 U	10 U	**5**	**5 J**	10 U	10 U	**1 J**	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
Dichlorobenzene, 1,3-	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
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
Dichlorobenzidine, 3,3-	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
Dichlorophenol, 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
Diethyl phthalate	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
Dimethyl phthalate	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
Dimethylphenol, 2,4-	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
Di-n-butyl phthalate	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
Dinitro-2-methylphenol, 4,6-	NE	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Dinitrophenol, 2,4-	10*	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Dinitrotoluene, 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
Dinitrotoluene, 2,6-	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
Di-n-octyl phthalate	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
Hexachlorobenzene	0.04	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	0.5	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
Hexachlorocyclopentadiene	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
Hexachloroethane	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
Isophorone	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
Methylphenol, 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
Methylphenol, 4-	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
Nitroaniline, 2-	5	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Nitroaniline, 3-	5	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Nitroaniline, 4-	5	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Nitrobenzene	0.4	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Nitrophenol, 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
Nitrophenol, 4-	NE	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 UJ
Nitrosodi-n-propylamine, 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
Nitrosodiphenylamine, N-	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
Pentachlorophenol	1	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Phenol	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
Trichlorobenzene, 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
Trichlorophenol, 2,4,5-	NE	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Trichlorophenol, 2,4,6-	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
Other (ug/L)														
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-24
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
Sample Name:	NYS	WCMW-06I	WCMW-06I2	WCMW-11S	WCMW-11I	WCMW-11D	WCMW-12S	WCMW-12I	WCMW-12D	DUP-01 OU4	WCMW-13S	WCMW-13I	WCMW-13D	WCMW-14S
Screened Interval:	AWQS	19.55-24.55 ft	29.83-34.83 ft	5-15 ft	25-35 ft	50-60 ft	3-13 ft	25-30 ft	67-72 ft	67-72 ft	3-13 ft	25-30 ft	65-70 ft	2-12 ft
Sample Date:		7/9/2010	7/9/2010	8/26/2010	8/26/2010	8/26/2010	7/6/2010	7/6/2010	7/6/2010	7/6/2010	7/6/2010	7/6/2010	7/6/2010	7/8/2010
Parent Sample:										WCMW-12D				
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
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
Ethylbenzene	5	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
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
Xylene, o-	5	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
Total BTEX	NE	ND	ND	**12**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs (ug/L)														
Acetaldehyde	8*	10 UJ	10 UJ	10 U	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Acetone	50*	**3 J**	10 U	10 U	10 UJ	**5 J**	10 U	**2 J**	**110**	**110**	10 U	**1 J**	10 U	10 U
Allyl chloride	5	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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	10 U	10 U
Bromoform	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
Bromomethane	5	10 U	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ
Butadiene, 1,3-	NE	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Butanone, 2-	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**5**	**5**	10 U	10 U	10 U	10 UJ
Carbon disulfide	60*	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ
Carbon tetrachloride	5	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
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
Chloroethane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**6**	**6**	10 U	**1 J**	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
Chloromethane	5	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	**87**	10 U	10 U
Chlorotoluene	5	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U
Cryofluorane	NE	10 U	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Cyclohexane	NE	10 U	10 U	10 U	10 UJ	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 UJ
Dibromoethane, 1,2-	0.0006	10 U	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	**2 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene, 1,3-	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
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
Dichlorodifluoromethane	5	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
Dichloroethane, 1,1-	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
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
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
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
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
Dichloropropene, cis-1,3	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
Dichloropropene, trans-1,3	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
Dioxane, 1,4-	NE	R	R	R	R	500 U	R	R	R	R	R	R	R	R
Ethanol	NE	R	R	R	R	500 U	R	R	R	R	R	R	R	R
Heptane, n-	NE	10 U	10 U	10 UJ	R	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Hexachlorobutadiene	0.5	10 U	10 U	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 UJ	R	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexanone, 2-	50*	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U

Table 4-24
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:	NYS AWQS	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4
Sample Name:		WCMW-06I	WCMW-06I2	WCMW-11S	WCMW-11I	WCMW-11D	WCMW-12S	WCMW-12I	WCMW-12D	DUP-01 OU4	WCMW-13S	WCMW-13I	WCMW-13D	WCMW-14S
Screened Interval:		19.55-24.55 ft	29.83-34.83 ft	5-15 ft	25-35 ft	50-60 ft	3-13 ft	25-30 ft	67-72 ft	67-72 ft	3-13 ft	25-30 ft	65-70 ft	2-12 ft
Sample Date:		7/9/2010	7/9/2010	8/26/2010	8/26/2010	8/26/2010	7/6/2010	7/6/2010	7/6/2010	7/6/2010	7/6/2010	7/6/2010	7/6/2010	7/8/2010
Parent Sample:										WCMW-12D				
Isopropyl benzene	5	10 U	10 U	**6 J**	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U
Methyl tert-butyl ether	10*	**2 J**	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	**2 J**	10 U	10 U	10 U
Methyl-2-pentanone, 4-	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
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
Naphthalene	10*	10 U	10 U	**180**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ
Propanol, 2-	NE	R	R	R	R	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	R
Propylbenzene, n-	5	10 U	10 U	**3 J**	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	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	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	10 U
Tetrachloroethane,1,1,2,2-	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
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 UJ
Tetrahydrofuran	50*	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trans-1,2-dichloroethene	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
Trichloro-1,2,2-trifluoroethane, 1,1,2-	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	10 U
Trichlorobenzene, 1,2,4-	5	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	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	10 U	10 U
Trichloroethane, 1,1,2-	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
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
Trichlorofluoromethane	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
Trimethylbenzene 1,3,5-/P-ethyltoluene	5	10 U	10 U	**30**	10 U	10 U	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	**42 J**	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U
Trimethylpentane, 2,2,4-	NE	10 U	10 U	10 UJ	R	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ
Vinyl acetate	NE	10 UJ	10 UJ	10 UJ	R	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl chloride	2	10 UJ	10 UJ	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	**210**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**4 J**
Acenaphthylene	NE	10 U	10 U	**8**	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**	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
Fluoranthene	50*	10 U	10 U	**4 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**1 J**
Fluorene	50*	10 U	10 U	**63**	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	**11**	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	**120**	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	**66**	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	**4 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**2 J**
Total Noncarcinogenic PAHs	NE	ND	ND	**496**	ND	ND	ND	ND	ND	ND	ND	ND	ND	**7**
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
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
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
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
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
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
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
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)														
Total PAHs	NE	ND	ND	**496**	ND	ND	ND	ND	ND	ND	ND	ND	ND	**7**

Table 4-24
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:	NYS AWQS	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4
Sample Name:		WCMW-06I	WCMW-06I2	WCMW-11S	WCMW-11I	WCMW-11D	WCMW-12S	WCMW-12I	WCMW-12D	DUP-01 OU4	WCMW-13S	WCMW-13I	WCMW-13D	WCMW-14S
Screened Interval:		19.55-24.55 ft	29.83-34.83 ft	5-15 ft	25-35 ft	50-60 ft	3-13 ft	25-30 ft	67-72 ft	67-72 ft	3-13 ft	25-30 ft	65-70 ft	2-12 ft
Sample Date:		7/9/2010	7/9/2010	8/26/2010	8/26/2010	8/26/2010	7/6/2010	7/6/2010	7/6/2010	7/6/2010	7/6/2010	7/6/2010	7/6/2010	7/8/2010
Parent Sample:										WCMW-12D				
Other SVOCs (ug/L)														
Bis(2-chloroethoxy)methane	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
Bis(2-chloroethyl)ether	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
Bis(2-ethylhexyl)phthalate	5	10 U	10 U	10 U	10 U	**1 BJ**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bis(chloroisopropyl)ether	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
Bromophenyl phenyl ether, 4-	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
Butyl benzyl phthalate	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
Carbazole	NE	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
Chloro-3-methylphenol, 4-	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
Chloroaniline, 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
Chloronaphthalene, 2-	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
Chlorophenol, 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
Chlorophenyl phenyl ether, 4-	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
Dibenzofuran	NE	10 U	10 U	**11**	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
Dichlorobenzene, 1,3-	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
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
Dichlorobenzidine, 3,3-	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
Dichlorophenol, 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
Diethyl phthalate	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
Dimethyl phthalate	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
Dimethylphenol, 2,4-	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
Di-n-butyl phthalate	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
Dinitro-2-methylphenol, 4,6-	NE	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Dinitrophenol, 2,4-	10*	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Dinitrotoluene, 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
Dinitrotoluene, 2,6-	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
Di-n-octyl phthalate	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
Hexachlorobenzene	0.04	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	0.5	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
Hexachlorocyclopentadiene	5	10 U	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	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
Isophorone	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
Methylphenol, 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
Methylphenol, 4-	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
Nitroaniline, 2-	5	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Nitroaniline, 3-	5	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Nitroaniline, 4-	5	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Nitrobenzene	0.4	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Nitrophenol, 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
Nitrophenol, 4-	NE	25 UJ	25 UJ	25 UJ	25 UJ	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Nitrosodi-n-propylamine, 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
Nitrosodiphenylamine, N-	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
Pentachlorophenol	1	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Phenol	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
Trichlorobenzene, 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
Trichlorophenol, 2,4,5-	NE	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Trichlorophenol, 2,4,6-	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
Other (ug/L)														
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA	**17200**	**8190**	5000 U	**25200**

Table 4-24
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	DUP-03 OU4	WCMW-14S	WCMW-14S	WCMW-14I	WCMW-14I	WCMW-14I	WCMW-14I2	WCMW-14I2	WCMW-14I2	WCMW-14D	WCMW-16S	WCMW-16S	WCMW-16S	DUP-01 OU4
Screened Interval:	AWQS	2-12 ft	2-12 ft	2-12 ft	20-25 ft	20-25 ft	20-25 ft	30-35 ft	30-35 ft	30-35 ft	67-72 ft	2-12 ft	2-12 ft	2-12 ft	2-12 ft
Sample Date:		7/8/2010	8/24/2010	9/21/2010	7/8/2010	8/24/2010	9/21/2010	7/8/2010	8/24/2010	9/21/2010	7/8/2010	7/9/2010	8/25/2010	9/15/2010	9/15/2010
Parent Sample:		WCMW-14S													WCMW-16S
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
Toluene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**1 J**	**1 J**	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
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
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
Total BTEX	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1**	**1**	ND	ND
Other VOCs (ug/L)															
Acetaldehyde	8*	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	**23 J**	10 UJ	10 U	**4 J**	10 UJ
Acetone	50*	**3 J**	10 U	10 U	**5**	**2 J**	10 U	**5**	**7 J**	**4 J**	**110**	**27 J**	**31**	**20**	**22**
Allyl chloride	5	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 U	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	10 U	10 U
Bromoform	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	10 U	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	**9 J**	10 U	10 U	10 U	10 U
Butadiene, 1,3-	NE	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 UJ
Butanone, 2-	50*	10 U	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	**4 J**	**3 J**	**5 J**	**3 J**	**3 J**
Carbon disulfide	60*	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	**1 J**	10 U	10 U	10 UJ	10 UJ
Carbon tetrachloride	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
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	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
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	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**310 J**	10 UJ	10 U	10 UJ	10 UJ
Chlorotoluene	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
Cryofluorane	NE	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ
Cyclohexane	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	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
Dibromoethane, 1,2-	0.0006	10 U	10 U	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 UJ	10 UJ
Dichlorobenzene, 1,3-	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 UJ	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 UJ	10 UJ
Dichlorodifluoromethane	5	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 UJ	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	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 U	10 U	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 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloropropene, cis-1,3	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
Dichloropropene, trans-1,3	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
Dioxane, 1,4-	NE	R	500 U	500 U	R	500 U	500 U	R	500 U	500 U	R	R	500 U	R	R
Ethanol	NE	R	500 U	500 U	R	500 U	500 U	R	500 U	500 U	R	R	500 U	R	R
Heptane, n-	NE	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 UJ
Hexachlorobutadiene	0.5	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 UJ
Hexane, n-	NE	10 U	10 U	10 U	**2 J**	10 U	**2 J**	10 U	10 U	10 U	10 U	**1 J**	**2 J**	**3 J**	**3 J**
Hexanone, 2-	50*	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

Table 4-24
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	DUP-03 OU4	WCMW-14S	WCMW-14S	WCMW-14I	WCMW-14I	WCMW-14I	WCMW-14I2	WCMW-14I2	WCMW-14I2	WCMW-14D	WCMW-16S	WCMW-16S	WCMW-16S	DUP-01 OU4
Screened Interval:	AWQS	2-12 ft	2-12 ft	2-12 ft	20-25 ft	20-25 ft	20-25 ft	30-35 ft	30-35 ft	30-35 ft	67-72 ft	2-12 ft	2-12 ft	2-12 ft	2-12 ft
Sample Date:		7/8/2010	8/24/2010	9/21/2010	7/8/2010	8/24/2010	9/21/2010	7/8/2010	8/24/2010	9/21/2010	7/8/2010	7/9/2010	8/25/2010	9/15/2010	9/15/2010
Parent Sample:		WCMW-14S													WCMW-16S
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 UJ	10 UJ
Methyl tert-butyl ether	10*	10 U	10 U	10 U	**1 J**	**1 J**	10 U	**3 J**	**2 J**	**1 J**	10 U	**2 J**	10 U	10 UJ	10 UJ
Methyl-2-pentanone, 4-	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
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*	**1 J**	**1 J**	**2 J**	**8 J**	**32**	**49**	**3 J**	**9 J**	**21**	10 U	**1 J**	**2 J**	**3 J**	**3 J**
Propanol, 2-	NE	R	500 U	500 U	R	500 U	500 U	R	500 U	500 U	R	R	500 U	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 UJ	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
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	10 U	10 U
Tetrachloroethane,1,1,2,2-	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 UJ	10 UJ
Tetrachloroethene	5	10 U	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
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 U	10 U	10 U
Trans-1,2-dichloroethene	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
Trichloro-1,2,2-trifluoroethane, 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	10 UJ	10 UJ
Trichlorobenzene, 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 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
Trichloroethane, 1,1,2-	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
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
Trichlorofluoromethane	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 UJ	10 UJ
Trimethylbenzene 1,3,5-/P-ethyltoluene	5	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 UJ	10 UJ
Trimethylbenzene, 1,2,4-	5	10 U	10 U	10 U	10 U	**4 J**	**4 J**	10 U	**2 J**	**1 J**	10 U	10 U	10 U	10 UJ	10 UJ
Trimethylpentane, 2,2,4-	NE	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 UJ
Vinyl acetate	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 U	**1 J**	10 UJ
Vinyl chloride	2	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ
Non-carcinogenic PAHs (ug/L)															
Acenaphthene	20*	**4 J**	**6 J**	**5 J**	10 U	10 U	**1 J**	10 U	10 U	10 U	10 U	50 U	**4 J**	**3 J**	**3 J**
Acenaphthylene	NE	10 U	10 U	10 U	**1 J**	**2 J**	**2 J**	10 U	**2 J**	**3 J**	10 U	50 U	10 U	10 U	10 U
Anthracene	50*	10 U	**3 J**	**2 J**	**2 J**	**2 J**	**2 J**	10 U	10 U	10 U	10 U	50 U	**2 J**	**2 J**	**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	50 U	10 U	10 U	10 U
Fluoranthene	50*	**1 J**	**2 J**	**2 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**11 J**	**3 J**	**2 J**	**2 J**
Fluorene	50*	10 U	**3 J**	**2 J**	**7**	**7 J**	**8 J**	**2 J**	**5 J**	**7 J**	10 U	50 U	**5 J**	**4 J**	**4 J**
Methylnaphthalene, 2-	NE	10 U	10 U	10 U	**25**	**65**	**100 D**	**21**	**69**	**67**	10 U	50 U	10 U	10 UJ	R
Naphthalene	10*	10 U	10 U	**2 J**	**5**	**20**	**30**	**3 J**	**6 J**	**14**	10 U	50 U	10 U	10 UJ	R
Phenanthrene	50*	10 U	**11**	**10**	**8**	**7 J**	**6 J**	**3 J**	**4 J**	**4 J**	10 U	**56**	**32**	**29**	**31**
Pyrene	50*	**2 J**	**4 J**	**3 J**	10 U	**1 J**	10 U	10 U	10 U	10 U	10 U	**14 J**	**3 J**	**3 J**	**3 J**
Total Noncarcinogenic PAHs	NE	**7**	**29**	**26**	**48**	**104**	**149**	**29**	**86**	**95**	ND	**81**	**49**	**43**	**45**
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	50 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	50 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	50 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	50 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	50 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	50 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	50 U	10 U	10 U	10 U
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)															
Total PAHs	NE	**7**	**29**	**26**	**48**	**104**	**149**	**29**	**86**	**95**	ND	**81**	**49**	**43**	**45**

Table 4-24
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	DUP-03 OU4	WCMW-14S	WCMW-14S	WCMW-14I	WCMW-14I	WCMW-14I	WCMW-14I2	WCMW-14I2	WCMW-14I2	WCMW-14D	WCMW-16S	WCMW-16S	WCMW-16S	DUP-01 OU4
Screened Interval:	AWQS	2-12 ft	2-12 ft	2-12 ft	20-25 ft	20-25 ft	20-25 ft	30-35 ft	30-35 ft	30-35 ft	67-72 ft	2-12 ft	2-12 ft	2-12 ft	2-12 ft
Sample Date:		7/8/2010	8/24/2010	9/21/2010	7/8/2010	8/24/2010	9/21/2010	7/8/2010	8/24/2010	9/21/2010	7/8/2010	7/9/2010	8/25/2010	9/15/2010	9/15/2010
Parent Sample:		WCMW-14S													WCMW-16S
Other SVOCs (ug/L)															
Bis(2-chloroethoxy)methane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	10 UJ	R
Bis(2-chloroethyl)ether	1	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	10 U	10 U
Bis(2-ethylhexyl)phthalate	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U	**4 BJ**	10 U	10 U
Bis(chloroisopropyl)ether	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	10 U	10 U
Bromophenyl phenyl ether, 4-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	10 U	10 U
Butyl benzyl phthalate	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	10 U	10 U
Carbazole	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	10 U	10 U
Chloro-3-methylphenol, 4-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	R	R
Chloroaniline, 4-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	10 UJ	R
Chloronaphthalene, 2-	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	10 U	10 U
Chlorophenol, 2-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	R	R
Chlorophenyl phenyl ether, 4-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	10 U	10 U
Dibenzofuran	NE	10 U	**1 J**	10 U	**2 J**	**2 J**	**2 J**	10 U	**1 J**	**2 J**	10 U	50 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	50 U	10 U	10 U	10 U
Dichlorobenzene, 1,3-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 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	50 U	10 U	10 U	10 U
Dichlorobenzidine, 3,3-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	10 U	10 U
Dichlorophenol, 2,4-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	R	R
Diethyl phthalate	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	10 U	10 U
Dimethyl phthalate	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	10 U	10 U
Dimethylphenol, 2,4-	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	R	R
Di-n-butyl phthalate	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	10 U	10 U
Dinitro-2-methylphenol, 4,6-	NE	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	120 UJ	25 U	R	R
Dinitrophenol, 2,4-	10*	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	120 UJ	25 U	R	R
Dinitrotoluene, 2,4-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	10 U	10 U
Dinitrotoluene, 2,6-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	10 U	10 U
Di-n-octyl phthalate	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	10 U	10 U
Hexachlorobenzene	0.04	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	10 U	10 U
Hexachlorobutadiene	0.5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	10 UJ	R
Hexachlorocyclopentadiene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 UJ	10 U	10 U	10 U
Hexachloroethane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	10 U	10 U
Isophorone	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	10 UJ	R
Methylphenol, 2-	1	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	R	R
Methylphenol, 4-	1	10 U	10 U	10 U	10 U	10 U	**2 J**	10 U	10 U	10 U	10 U	50 U	10 U	R	R
Nitroaniline, 2-	5	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	120 U	25 U	25 U	25 U
Nitroaniline, 3-	5	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	120 U	25 U	25 U	25 U
Nitroaniline, 4-	5	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	120 U	25 U	25 U	25 U
Nitrobenzene	0.4	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	10 UJ	R
Nitrophenol, 2-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	R	R
Nitrophenol, 4-	NE	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 UJ	120 U	25 U	R	R
Nitrosodi-n-propylamine, N-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	10 U	10 U
Nitrosodiphenylamine, N-	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	10 U	10 U
Pentachlorophenol	1	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	120 UJ	25 U	R	R
Phenol	1	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	R	R
Trichlorobenzene, 1,2,4-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	10 UJ	R
Trichlorophenol, 2,4,5-	NE	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	120 U	25 U	R	R
Trichlorophenol, 2,4,6-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	R	R
Other (ug/L)															
Sulfate	250000	**25100**	NA	NA	5000 U	NA	NA	**47600**	NA	NA	**1180000**	5000 U	NA	NA	NA

Table 4-24
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-16I	WCMW-16I	WCMW-16I	WCMW-16I2	WCMW-16I2	WCMW-16I2	WCMW-17S	WCMW-17S	WCMW-17S	WCMW-17I	WCMW-17I	WCMW-17I	WCMW-17I2	WCMW-17I2
Screened Interval:	AWQS	20-25 ft	20-25 ft	20-25 ft	30-35 ft	30-35 ft	30-35 ft	2-12 ft	2-12 ft	2-12 ft	20-25 ft	20-25 ft	20-25 ft	30-35 ft	30-35 ft
Sample Date:		7/9/2010	8/24/2010	9/15/2010	7/9/2010	8/24/2010	9/15/2010	7/9/2010	8/24/2010	9/15/2010	7/9/2010	8/24/2010	9/15/2010	7/8/2010	8/24/2010
Parent Sample:															
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
Toluene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**1 J**	**1 J**	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	**2 J**	**1 J**	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
Xylene, o-	5	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	10 U
Total BTEX	NE	ND	ND	ND	ND	ND	ND	**4**	**2**	**1**	ND	ND	ND	ND	ND
Other VOCs (ug/L)															
Acetaldehyde	8*	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U
Acetone	50*	10 U	**2 J**	10 U	10 U	10 U	10 U	**95 J**	**75**	**64**	**9 J**	**9 J**	10 U	**8**	**4 J**
Allyl chloride	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	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	10 U	10 U
Bromoform	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	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Butadiene, 1,3-	NE	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U
Butanone, 2-	50*	10 U	10 U	10 U	10 U	10 U	10 U	**9 J**	**8 J**	**8 J**	**1 J**	**2 J**	**2 J**	**1 J**	10 U
Carbon disulfide	60*	10 U	10 U	10 UJ	10 U	10 U	10 UJ	**16**	**13**	**10 J**	10 U	10 U	10 UJ	10 U	10 U
Carbon tetrachloride	5	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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	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	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	10 UJ	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U
Chlorotoluene	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
Cryofluorane	NE	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U
Cyclohexane	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	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	10 U	10 U	10 U
Dibromoethane, 1,2-	0.0006	10 U	10 U	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, 1,3-	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 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U	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	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 U	10 U	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 UJ	10 U	10 U	10 UJ	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
Dichloropropene, cis-1,3	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
Dichloropropene, trans-1,3	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
Dioxane, 1,4-	NE	R	500 U	R	R	500 U	R	R	500 U	R	R	500 U	R	R	500 U
Ethanol	NE	R	500 U	R	R	500 U	R	R	500 U	R	R	500 U	R	R	500 U
Heptane, n-	NE	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U
Hexachlorobutadiene	0.5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U
Hexane, n-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U
Hexanone, 2-	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U

Table 4-24
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-16I	WCMW-16I	WCMW-16I	WCMW-16I2	WCMW-16I2	WCMW-16I2	WCMW-17S	WCMW-17S	WCMW-17S	WCMW-17I	WCMW-17I	WCMW-17I	WCMW-17I2	WCMW-17I2
Screened Interval:	AWQS	20-25 ft	20-25 ft	20-25 ft	30-35 ft	30-35 ft	30-35 ft	2-12 ft	2-12 ft	2-12 ft	20-25 ft	20-25 ft	20-25 ft	30-35 ft	30-35 ft
Sample Date:		7/9/2010	8/24/2010	9/15/2010	7/9/2010	8/24/2010	9/15/2010	7/9/2010	8/24/2010	9/15/2010	7/9/2010	8/24/2010	9/15/2010	7/8/2010	8/24/2010
Parent Sample:															
Isopropyl benzene	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
Methyl tert-butyl ether	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**1 J**	**3 J**	10 U	10 U	10 UJ	10 U	10 U
Methyl-2-pentanone, 4-	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
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 U	10 U	10 U	10 U	10 U	**46**	**29**	**43**	**60**	**53**	**98**	10 U	10 U
Propanol, 2-	NE	R	500 U	R	R	500 U	R	R	500 U	R	R	500 U	R	R	500 U
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
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	10 U	10 U
Tetrachloroethane,1,1,2,2-	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
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 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
Trans-1,2-dichloroethene	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
Trichloro-1,2,2-trifluoroethane, 1,1,2-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U
Trichlorobenzene, 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
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
Trichloroethane, 1,1,2-	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
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
Trichlorofluoromethane	5	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U
Trimethylbenzene 1,3,5-/P-ethyltoluene	5	10 U	10 U	10 U	10 U	10 U	10 U	**12**	**7 J**	**6**	**5 J**	**4 J**	**3 J**	10 U	10 U
Trimethylbenzene, 1,2,4-	5	10 U	10 U	10 U	10 U	10 U	10 U	**16**	**10**	**9**	**4 J**	**4 J**	**4 J**	10 U	10 U
Trimethylpentane, 2,2,4-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U
Vinyl acetate	NE	10 UJ	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U
Vinyl chloride	2	10 UJ	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U	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	**210**	**210 D**	**200**	**68**	**57**	**76**	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	**26**	**25**	**18**	**14**	**10**	**11**	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	**11**	**13**	**10**	**5**	**4 J**	**5**	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	**1 J**	**1 J**	10 U	**3 J**	**3 J**	**2 J**	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	**57**	**53**	**55**	**63**	**66**	**95**	**1 J**	**4 J**
Methylnaphthalene, 2-	NE	10 U	10 U	10 U	10 U	10 U	10 U	**2 J**	10 U	**2 J**	**33**	**19**	**29 J**	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	**23**	**25 DJ**	**20 J**	**3 J**	**56**	**48 J**	10 U	10 U
Phenanthrene	50*	**7**	**11**	**14**	**18**	**19**	**17**	**120**	**140 D**	**120**	**98**	**92 D**	**130**	**16**	**24**
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	**4 J**	**4 J**	**4 J**	10 U	10 U	10 U	10 U	10 U
Total Noncarcinogenic PAHs	NE	**7**	**11**	**14**	**19**	**20**	**17**	**456**	**473**	**431**	**284**	**304**	**394**	**17**	**28**
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 Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)															
Total PAHs	NE	**7**	**11**	**14**	**19**	**20**	**17**	**456**	**473**	**431**	**284**	**304**	**394**	**17**	**28**

Table 4-24
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-16I	WCMW-16I	WCMW-16I	WCMW-16I2	WCMW-16I2	WCMW-16I2	WCMW-17S	WCMW-17S	WCMW-17S	WCMW-17I	WCMW-17I	WCMW-17I	WCMW-17I2	WCMW-17I2
Screened Interval:	AWQS	20-25 ft	20-25 ft	20-25 ft	30-35 ft	30-35 ft	30-35 ft	2-12 ft	2-12 ft	2-12 ft	20-25 ft	20-25 ft	20-25 ft	30-35 ft	30-35 ft
Sample Date:		7/9/2010	8/24/2010	9/15/2010	7/9/2010	8/24/2010	9/15/2010	7/9/2010	8/24/2010	9/15/2010	7/9/2010	8/24/2010	9/15/2010	7/8/2010	8/24/2010
Parent Sample:															
Other SVOCs (ug/L)															
Bis(2-chloroethoxy)methane	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	10 U	10 U
Bis(2-chloroethyl)ether	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 U
Bis(2-ethylhexyl)phthalate	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
Bis(chloroisopropyl)ether	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
Bromophenyl phenyl ether, 4-	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
Butyl benzyl phthalate	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
Carbazole	NE	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
Chloro-3-methylphenol, 4-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U
Chloroaniline, 4-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U
Chloronaphthalene, 2-	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
Chlorophenol, 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
Chlorophenyl phenyl ether, 4-	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
Dibenzofuran	NE	10 U	10 U	10 U	10 U	10 U	10 U	**15**	**14**	**12**	**12**	**9 J**	**11**	**2 J**	**3 J**
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, 1,3-	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
Dichlorobenzidine, 3,3-	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
Dichlorophenol, 2,4-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U
Diethyl phthalate	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
Dimethyl phthalate	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
Dimethylphenol, 2,4-	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U
Di-n-butyl phthalate	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
Dinitro-2-methylphenol, 4,6-	NE	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Dinitrophenol, 2,4-	10*	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Dinitrotoluene, 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
Dinitrotoluene, 2,6-	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
Di-n-octyl phthalate	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
Hexachlorobenzene	0.04	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	0.5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U
Hexachlorocyclopentadiene	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
Hexachloroethane	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
Isophorone	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U
Methylphenol, 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
Methylphenol, 4-	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
Nitroaniline, 2-	5	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Nitroaniline, 3-	5	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Nitroaniline, 4-	5	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Nitrobenzene	0.4	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U
Nitrophenol, 2-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U
Nitrophenol, 4-	NE	25 UJ	25 U	25 U	25 UJ	25 U	25 U	25 UJ	25 U	25 U	25 UJ	25 U	25 U	25 UJ	25 U
Nitrosodi-n-propylamine, 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
Nitrosodiphenylamine, N-	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
Pentachlorophenol	1	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Phenol	1	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
Trichlorobenzene, 1,2,4-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U
Trichlorophenol, 2,4,5-	NE	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Trichlorophenol, 2,4,6-	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
Other (ug/L)															
Sulfate	250000	5000 U	NA	NA	**26400**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-24
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-17I2	WCMW-18WT	WCMW-18S	WCMW-18I	WCMW-18I2	WCMW-19S	WCMW-19I	DUP-02 OU4	WCMW-19I2	WCMW-20S	WCMW-20I	WCMW-20I2	WCMW-21S	WCMW-21I
Screened Interval:	AWQS	30-35 ft	2-7 ft	2-12 ft	20-25 ft	30-35 ft	2-12 ft	20-25 ft	20-25 ft	30-35 ft	2-12 ft	20-25 ft	30-35 ft	2-12 ft	20-25 ft
Sample Date:		9/15/2010	7/7/2010	7/7/2010	7/7/2010	7/7/2010	7/7/2010	7/7/2010	7/7/2010	7/7/2010	7/6/2010	7/6/2010	7/6/2010	7/6/2010	7/6/2010
Parent Sample:									WCMW-19I						
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
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
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
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
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
Total BTEX	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs (ug/L)															
Acetaldehyde	8*	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 UJ	10 U
Acetone	50*	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	**1 J**	10 UJ
Allyl chloride	5	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
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
Bromoform	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	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
Butadiene, 1,3-	NE	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 UJ	10 U
Butanone, 2-	50*	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ
Carbon disulfide	60*	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 U
Carbon tetrachloride	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
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	10 U	10 U	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	10 U	10 U
Chloromethane	5	10 UJ	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ
Chlorotoluene	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 UJ	10 U
Cryofluorane	NE	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 UJ	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 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
Dibromoethane, 1,2-	0.0006	10 U	10 U	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, 1,3-	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	R	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 U	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 U	10 U	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 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
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
Dichloropropene, cis-1,3	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
Dichloropropene, trans-1,3	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
Dioxane, 1,4-	NE	R	R	R	R	R	R	500 U	R	R	R	R	R	R	R
Ethanol	NE	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Heptane, n-	NE	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 UJ	10 U
Hexachlorobutadiene	0.5	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	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 U	10 U	10 U
Hexanone, 2-	50*	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ

Table 4-24
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-17I2	WCMW-18WT	WCMW-18S	WCMW-18I	WCMW-18I2	WCMW-19S	WCMW-19I	DUP-02 OU4	WCMW-19I2	WCMW-20S	WCMW-20I	WCMW-20I2	WCMW-21S	WCMW-21I
Screened Interval:	AWQS	30-35 ft	2-7 ft	2-12 ft	20-25 ft	30-35 ft	2-12 ft	20-25 ft	20-25 ft	30-35 ft	2-12 ft	20-25 ft	30-35 ft	2-12 ft	20-25 ft
Sample Date:		9/15/2010	7/7/2010	7/7/2010	7/7/2010	7/7/2010	7/7/2010	7/7/2010	7/7/2010	7/7/2010	7/6/2010	7/6/2010	7/6/2010	7/6/2010	7/6/2010
Parent Sample:									WCMW-19I						
Isopropyl benzene	5	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
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
Methyl-2-pentanone, 4-	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
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	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ
Propanol, 2-	NE	R	R	R	R	R	R	R	R	R	500 UJ	R	R	500 U	R
Propylbenzene, n-	5	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	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
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	10 U	10 U
Tetrachloroethane,1,1,2,2-	5	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ
Tetrachloroethene	5	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
Tetrahydrofuran	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
Trans-1,2-dichloroethene	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
Trichloro-1,2,2-trifluoroethane, 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	10 U	10 U
Trichlorobenzene, 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
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
Trichloroethane, 1,1,2-	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
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
Trichlorofluoromethane	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
Trimethylbenzene 1,3,5-/P-ethyltoluene	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, 1,2,4-	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 UJ	10 U
Trimethylpentane, 2,2,4-	NE	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
Vinyl acetate	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	10 U	10 U
Vinyl chloride	2	10 UJ	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	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*	**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
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*	**26**	10 U	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
Total Noncarcinogenic PAHs	NE	**31**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
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 Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)															
Total PAHs	NE	**31**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 4-24
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-17I2	WCMW-18WT	WCMW-18S	WCMW-18I	WCMW-18I2	WCMW-19S	WCMW-19I	DUP-02 OU4	WCMW-19I2	WCMW-20S	WCMW-20I	WCMW-20I2	WCMW-21S	WCMW-21I
Screened Interval:	AWQS	30-35 ft	2-7 ft	2-12 ft	20-25 ft	30-35 ft	2-12 ft	20-25 ft	20-25 ft	30-35 ft	2-12 ft	20-25 ft	30-35 ft	2-12 ft	20-25 ft
Sample Date:		9/15/2010	7/7/2010	7/7/2010	7/7/2010	7/7/2010	7/7/2010	7/7/2010	7/7/2010	7/7/2010	7/6/2010	7/6/2010	7/6/2010	7/6/2010	7/6/2010
Parent Sample:									WCMW-19I						
Other SVOCs (ug/L)															
Bis(2-chloroethoxy)methane	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
Bis(2-chloroethyl)ether	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
Bis(2-ethylhexyl)phthalate	5	10 U	**1 J**	**1 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**2 J**	10 U	10 U
Bis(chloroisopropyl)ether	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
Bromophenyl phenyl ether, 4-	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
Butyl benzyl phthalate	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
Carbazole	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
Chloro-3-methylphenol, 4-	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
Chloroaniline, 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
Chloronaphthalene, 2-	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
Chlorophenol, 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
Chlorophenyl phenyl ether, 4-	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
Dibenzofuran	NE	**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
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, 1,3-	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
Dichlorobenzidine, 3,3-	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
Dichlorophenol, 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
Diethyl phthalate	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
Dimethyl phthalate	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
Dimethylphenol, 2,4-	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
Di-n-butyl phthalate	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
Dinitro-2-methylphenol, 4,6-	NE	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Dinitrophenol, 2,4-	10*	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Dinitrotoluene, 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
Dinitrotoluene, 2,6-	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
Di-n-octyl phthalate	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
Hexachlorobenzene	0.04	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	0.5	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
Hexachlorocyclopentadiene	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
Hexachloroethane	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
Isophorone	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
Methylphenol, 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
Methylphenol, 4-	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
Nitroaniline, 2-	5	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Nitroaniline, 3-	5	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Nitroaniline, 4-	5	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Nitrobenzene	0.4	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Nitrophenol, 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
Nitrophenol, 4-	NE	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Nitrosodi-n-propylamine, 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
Nitrosodiphenylamine, N-	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
Pentachlorophenol	1	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Phenol	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
Trichlorobenzene, 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
Trichlorophenol, 2,4,5-	NE	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Trichlorophenol, 2,4,6-	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
Other (ug/L)															
Sulfate	250000	NA	NA	NA	NA	NA	**21000**	**17900**	**17800**	**28000**	NA	NA	NA	NA	NA

Table 4-24
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-21I2	WCMW-24S	DUP-02 OU4	WCMW-24S	WCMW-24I	WCMW-24I	WCMW-24I2	WCMW-24I2	WCMW-25I	WCMW-25D	WCMW-26S	WCMW-26S	WCMW-26I	WCMW-26I
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	30-35 ft	55-60 ft	2-12 ft	2-12 ft	20-25 ft	20-25 ft
Sample Date:		7/6/2010	8/26/2010	8/26/2010	9/16/2010	8/26/2010	9/16/2010	8/26/2010	9/16/2010	7/8/2010	7/8/2010	8/26/2010	9/16/2010	8/26/2010	9/16/2010
Parent Sample:				WCMW-24S											
BTEX (ug/L)															
Benzene	1	10 U	**2 J**	**2 J**	**1 J**	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
Ethylbenzene	5	10 U	**8**	**8**	**5 J**	10 U	10 U	10 U	10 U	10 U	10 U	**33**	**24**	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	**2 J**	**2 J**	10 U	10 U
Xylene, o-	5	10 U	**4 J**	**4 J**	**2 J**	10 U	10 U	10 U	10 U	10 U	10 U	**12**	**9 J**	10 U	10 U
Total BTEX	NE	ND	**14**	**14**	**8**	ND	ND	ND	ND	ND	ND	**47**	**35**	ND	ND
Other VOCs (ug/L)															
Acetaldehyde	8*	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 UJ	**220**	10 U	10 U	10 U	10 U
Acetone	50*	10 U	10 U	10 U	**6 J**	10 U	**2 J**	10 U	10 U	**9**	**470**	10 U	**9 J**	10 U	10 U
Allyl 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
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
Bromoform	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	10 U	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	**8 J**	10 UJ	10 U	10 U	10 U
Butadiene, 1,3-	NE	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Butanone, 2-	50*	10 U	**2 J**	**2 J**	**2 J**	10 U	10 U	10 U	10 U	10 U	**12**	10 U	10 U	10 U	10 U
Carbon disulfide	60*	10 U	**4 J**	**4 J**	**3 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon tetrachloride	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	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	**2 J**	**2 J**	10 U	10 U
Chloroethane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**9**	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	10 U	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 UJ	**590 J**	10 U	10 U	10 U	10 U
Chlorotoluene	5	10 UJ	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
Cryofluorane	NE	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 UJ	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	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
Dibromoethane, 1,2-	0.0006	10 U	10 U	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	**2 J**	**2 J**	10 U	10 U
Dichlorobenzene, 1,3-	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 U	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	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	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 U	10 U	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 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloropropene, cis-1,3	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
Dichloropropene, trans-1,3	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
Dioxane, 1,4-	NE	R	R	R	500 U	R	500 U	500 U	500 U	R	R	R	500 U	500 U	500 U
Ethanol	NE	R	R	R	500 U	R	500 U	500 U	500 U	R	R	R	500 U	500 U	500 U
Heptane, n-	NE	10 UJ	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
Hexachlorobutadiene	0.5	10 U	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U
Hexane, n-	NE	10 U	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U
Hexanone, 2-	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	10 U	10 U

Table 4-24
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-21I2	WCMW-24S	DUP-02 OU4	WCMW-24S	WCMW-24I	WCMW-24I	WCMW-24I2	WCMW-24I2	WCMW-25I	WCMW-25D	WCMW-26S	WCMW-26S	WCMW-26I	WCMW-26I
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	30-35 ft	55-60 ft	2-12 ft	2-12 ft	20-25 ft	20-25 ft
Sample Date:		7/6/2010	8/26/2010	8/26/2010	9/16/2010	8/26/2010	9/16/2010	8/26/2010	9/16/2010	7/8/2010	7/8/2010	8/26/2010	9/16/2010	8/26/2010	9/16/2010
Parent Sample:				WCMW-24S											
Isopropyl benzene	5	10 UJ	**4 J**	**3 J**	**2 J**	10 U	10 U	10 U	10 U	10 U	10 U	**9 J**	**6 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
Methyl-2-pentanone, 4-	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
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	**22**	**24**	**23**	**1 J**	10 U	10 U	10 U	10 U	10 U	**180**	**210 D**	10 U	10 U
Propanol, 2-	NE	500 U	R	R	500 U	R	500 U	500 U	500 U	R	R	R	500 U	500 U	500 U
Propylbenzene, n-	5	10 UJ	**2 J**	**2 J**	**1 J**	10 U	10 U	10 U	10 U	10 U	10 U	**5 J**	**3 J**	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
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	10 U	10 U
Tetrachloroethane,1,1,2,2-	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
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 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trans-1,2-dichloroethene	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
Trichloro-1,2,2-trifluoroethane, 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 UJ	10 U	10 U	10 U
Trichlorobenzene, 1,2,4-	5	10 U	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 UJ	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	10 U	**1 J**	10 U
Trichloroethane, 1,1,2-	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
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
Trichlorofluoromethane	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	5	10 U	**12**	**13**	**11**	10 U	10 U	10 U	10 U	10 U	10 U	**24**	**21**	10 U	10 U
Trimethylbenzene, 1,2,4-	5	10 UJ	**22**	**23**	**16**	10 UJ	10 U	10 U	10 U	10 U	10 U	**45 J**	**34**	10 U	10 U
Trimethylpentane, 2,2,4-	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
Vinyl acetate	NE	10 U	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U
Vinyl chloride	2	10 U	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U
Non-carcinogenic PAHs (ug/L)															
Acenaphthene	20*	10 U	**80**	**74**	**98 D**	**8**	**7 J**	10 U	10 U	10 U	10 U	**54**	**100 D**	**4 J**	**2 J**
Acenaphthylene	NE	10 U	**8**	**7**	**15**	**3 J**	**2 J**	10 U	10 U	10 U	10 U	10 U	10 U	**2 J**	**1 J**
Anthracene	50*	10 U	**5**	**5**	**7 J**	10 U	10 U	10 U	10 U	10 U	10 U	**3 J**	**5 J**	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	**1 J**	**1 J**	**2 J**	10 U	10 U	10 U	10 U	10 U	10 U	**2 J**	**2 J**	10 U	10 U
Fluorene	50*	10 U	**22**	**21**	**33**	**8**	**7 J**	10 U	10 U	10 U	10 U	**17**	**35**	**16**	**17**
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**	**28**	10 U	10 U
Naphthalene	10*	10 U	**17**	**16**	**18**	10 U	10 U	10 U	10 U	10 U	10 U	**6**	**180 D**	10 U	10 U
Phenanthrene	50*	10 U	**29**	**27**	**39**	**10**	**16**	10 U	10 U	10 U	10 U	**7**	**42**	**23**	**67**
Pyrene	50*	10 U	**2 J**	**2 J**	**3 J**	10 U	10 U	10 U	10 U	10 U	10 U	**2 J**	**2 J**	10 U	10 U
Total Noncarcinogenic PAHs	NE	ND	**164**	**153**	**215**	**29**	**32**	ND	ND	ND	ND	**93**	**394**	**45**	**87**
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 Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)															
Total PAHs	NE	ND	**164**	**153**	**215**	**29**	**32**	ND	ND	ND	ND	**93**	**394**	**45**	**87**

Table 4-24
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-21I2	WCMW-24S	DUP-02 OU4	WCMW-24S	WCMW-24I	WCMW-24I	WCMW-24I2	WCMW-24I2	WCMW-25I	WCMW-25D	WCMW-26S	WCMW-26S	WCMW-26I	WCMW-26I
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	30-35 ft	55-60 ft	2-12 ft	2-12 ft	20-25 ft	20-25 ft
Sample Date:		7/6/2010	8/26/2010	8/26/2010	9/16/2010	8/26/2010	9/16/2010	8/26/2010	9/16/2010	7/8/2010	7/8/2010	8/26/2010	9/16/2010	8/26/2010	9/16/2010
Parent Sample:				WCMW-24S											
Other SVOCs (ug/L)															
Bis(2-chloroethoxy)methane	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
Bis(2-chloroethyl)ether	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
Bis(2-ethylhexyl)phthalate	5	10 U	10 U	10 U	10 U	10 U	10 U	**2 BJ**	10 U	10 U	10 U	10 U	10 U	**2 BJ**	10 U
Bis(chloroisopropyl)ether	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
Bromophenyl phenyl ether, 4-	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
Butyl benzyl phthalate	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
Carbazole	NE	10 U	**3 J**	**3 J**	**2 J**	10 U	10 U	10 U	10 U	10 U	10 U	**2 J**	**2 J**	10 U	10 U
Chloro-3-methylphenol, 4-	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
Chloroaniline, 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
Chloronaphthalene, 2-	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
Chlorophenol, 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
Chlorophenyl phenyl ether, 4-	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
Dibenzofuran	NE	10 U	**3 J**	**3 J**	**5 J**	**1 J**	**1 J**	10 U	10 U	10 U	10 U	**2 J**	**5 J**	**4 J**	**3 J**
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, 1,3-	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
Dichlorobenzidine, 3,3-	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
Dichlorophenol, 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
Diethyl phthalate	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
Dimethyl phthalate	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
Dimethylphenol, 2,4-	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
Di-n-butyl phthalate	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
Dinitro-2-methylphenol, 4,6-	NE	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Dinitrophenol, 2,4-	10*	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Dinitrotoluene, 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
Dinitrotoluene, 2,6-	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
Di-n-octyl phthalate	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
Hexachlorobenzene	0.04	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	0.5	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
Hexachlorocyclopentadiene	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
Hexachloroethane	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
Isophorone	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
Methylphenol, 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
Methylphenol, 4-	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
Nitroaniline, 2-	5	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Nitroaniline, 3-	5	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Nitroaniline, 4-	5	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Nitrobenzene	0.4	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Nitrophenol, 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
Nitrophenol, 4-	NE	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 UJ	25 UJ	25 U	25 U	25 U	25 U
Nitrosodi-n-propylamine, 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
Nitrosodiphenylamine, N-	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
Pentachlorophenol	1	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Phenol	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
Trichlorobenzene, 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
Trichlorophenol, 2,4,5-	NE	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Trichlorophenol, 2,4,6-	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
Other (ug/L)															
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-24
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:	NYS AWQS	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4
Sample Name:		WCMW-26I2	WCMW-26I2	WCMW-27S	WCMW-27S	WCMW-27S	WCMW-27I	WCMW-27I	WCMW-27I	WCMW-28S	WCMW-28S
Screened Interval:		30-35 ft	30-35 ft	2-12 ft	2-12 ft	2-12 ft	20-25 ft	20-25 ft	20-25 ft	2-12 ft	2-12 ft
Sample Date:		8/26/2010	9/16/2010	7/9/2010	8/24/2010	9/16/2010	7/8/2010	8/24/2010	9/17/2010	7/9/2010	8/25/2010
Parent Sample:											
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
Toluene	5	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	**14**	**12**	**9 J**	10 U	10 U	10 U	10 U	10 U
Xylene, m,p-	5	10 U	10 U	**5 J**	**3 J**	**3 J**	10 U	10 U	10 U	10 U	10 U
Xylene, o-	5	10 U	10 U	**6**	**5 J**	**4 J**	10 U	10 U	10 U	10 U	10 U
Total BTEX	NE	ND	ND	**25**	**20**	**16**	ND	ND	ND	ND	ND
Other VOCs (ug/L)											
Acetaldehyde	8*	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U
Acetone	50*	10 U	**3 J**	10 UJ	10 U	10 U	10 U	10 U	10 U	**3 J**	10 U
Allyl chloride	5	10 U	10 U	10 U	10 U	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
Bromoform	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 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
Butadiene, 1,3-	NE	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U
Butanone, 2-	50*	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U
Carbon disulfide	60*	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
Carbon tetrachloride	5	10 UJ	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
Chloroethane	5	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
Chloromethane	5	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U
Chlorotoluene	5	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cryofluorane	NE	10 UJ	10 U	10 U	10 U	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
Dibromochloromethane	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromoethane, 1,2-	0.0006	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, 1,3-	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 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U
Dichloroethane, 1,1-	5	10 U	10 U	**1 J**	10 U	10 U	10 U	10 U	10 U	10 U	**2 J**
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 U
Dichloropropene, cis-1,3	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloropropene, trans-1,3	NE	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	500 U	R	500 U	500 U	R	500 U	500 U	R	500 U
Ethanol	NE	R	500 U	R	500 U	500 U	R	500 U	500 U	R	500 U
Heptane, n-	NE	10 UJ	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U
Hexachlorobutadiene	0.5	10 UJ	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
Hexane, n-	NE	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexanone, 2-	50*	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U

Table 4-24
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:	NYS AWQS	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4
Sample Name:		WCMW-26I2	WCMW-26I2	WCMW-27S	WCMW-27S	WCMW-27S	WCMW-27I	WCMW-27I	WCMW-27I	WCMW-28S	WCMW-28S
Screened Interval:		30-35 ft	30-35 ft	2-12 ft	2-12 ft	2-12 ft	20-25 ft	20-25 ft	20-25 ft	2-12 ft	2-12 ft
Sample Date:		8/26/2010	9/16/2010	7/9/2010	8/24/2010	9/16/2010	7/8/2010	8/24/2010	9/17/2010	7/9/2010	8/25/2010
Parent Sample:											
Isopropyl benzene	5	10 UJ	10 U	**3 J**	**2 J**	**2 J**	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
Methyl-2-pentanone, 4-	NE	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	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	**350**	**360 D**	**290 D**	10 UJ	**2 J**	10 U	**14**	**25**
Propanol, 2-	NE	R	500 U	R	500 U	500 U	R	500 U	500 U	R	500 U
Propylbenzene, n-	5	10 UJ	10 U	**1 J**	**1 J**	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
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 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
Tetrahydrofuran	50*	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U
Trans-1,2-dichloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	5	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichlorobenzene, 1,2,4-	5	10 UJ	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 U	10 U	10 U	10 U	10 U	10 U	**2 J**	**2 J**
Trichloroethane, 1,1,2-	1	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
Trichlorofluoromethane	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	5	10 U	10 U	**26**	**18**	**17**	10 U	10 U	10 U	10 U	**2 J**
Trimethylbenzene, 1,2,4-	5	10 UJ	10 U	**17**	**13**	**14**	10 U	10 U	10 U	**1 J**	**2 J**
Trimethylpentane, 2,2,4-	NE	10 UJ	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U
Vinyl acetate	NE	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U
Vinyl chloride	2	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U
Non-carcinogenic PAHs (ug/L)											
Acenaphthene	20*	10 U	10 U	**2 J**	**140 D**	**130 D**	10 U	10 U	10 U	**140**	**190 D**
Acenaphthylene	NE	10 U	10 U	10 U	**9 J**	**10**	10 U	10 U	10 U	**16**	**18**
Anthracene	50*	10 U	10 U	10 U	**15**	**15**	10 U	10 U	10 U	**10**	**19**
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*	10 U	10 U	**1 J**	**7 J**	**7 J**	10 U	10 U	10 U	**5**	**7 J**
Fluorene	50*	10 U	10 U	10 U	**50**	**56**	10 U	10 U	10 U	**38**	**66**
Methylnaphthalene, 2-	NE	10 U	10 U	10 U	10 U	**22**	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	**350 E**	10 U	10 U	10 U	**6**	**15**
Phenanthrene	50*	10 U	**11**	10 U	**72**	**110 D**	10 U	10 U	10 U	**11**	**140 D**
Pyrene	50*	10 U	10 U	**4 J**	**8 J**	**8 J**	10 U	10 U	10 U	**6**	**8 J**
Total Noncarcinogenic PAHs	NE	ND	**11**	**7**	**301**	**708**	ND	ND	ND	**232**	**463**
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 Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)											
Total PAHs	NE	ND	**11**	**7**	**301**	**708**	ND	ND	ND	**232**	**463**

Table 4-24
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:	NYS AWQS	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4
Sample Name:		WCMW-26I2	WCMW-26I2	WCMW-27S	WCMW-27S	WCMW-27S	WCMW-27I	WCMW-27I	WCMW-27I	WCMW-28S	WCMW-28S
Screened Interval:		30-35 ft	30-35 ft	2-12 ft	2-12 ft	2-12 ft	20-25 ft	20-25 ft	20-25 ft	2-12 ft	2-12 ft
Sample Date:		8/26/2010	9/16/2010	7/9/2010	8/24/2010	9/16/2010	7/8/2010	8/24/2010	9/17/2010	7/9/2010	8/25/2010
Parent Sample:											
Other SVOCs (ug/L)											
Bis(2-chloroethoxy)methane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bis(2-chloroethyl)ether	1	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bis(2-ethylhexyl)phthalate	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**5 BJ**
Bis(chloroisopropyl)ether	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromophenyl phenyl ether, 4-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Butyl benzyl phthalate	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloro-3-methylphenol, 4-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroaniline, 4-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloronaphthalene, 2-	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorophenol, 2-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorophenyl phenyl ether, 4-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	NE	10 U	10 U	10 U	**7 J**	**8 J**	10 U	10 U	10 U	**7**	**11**
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, 1,3-	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
Dichlorobenzidine, 3,3-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorophenol, 2,4-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethyl phthalate	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dimethyl phthalate	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dimethylphenol, 2,4-	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butyl phthalate	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dinitro-2-methylphenol, 4,6-	NE	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Dinitrophenol, 2,4-	10*	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Dinitrotoluene, 2,4-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dinitrotoluene, 2,6-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octyl phthalate	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	0.04	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	0.5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isophorone	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylphenol, 2-	1	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylphenol, 4-	1	10 U	**1 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Nitroaniline, 2-	5	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Nitroaniline, 3-	5	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Nitroaniline, 4-	5	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Nitrobenzene	0.4	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Nitrophenol, 2-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Nitrophenol, 4-	NE	25 U	25 U	25 UJ	25 U	25 U	25 U	25 U	25 U	25 UJ	25 U
Nitrosodi-n-propylamine, N-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Nitrosodiphenylamine, N-	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol	1	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Phenol	1	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichlorobenzene, 1,2,4-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichlorophenol, 2,4,5-	NE	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Trichlorophenol, 2,4,6-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Other (ug/L)											
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-24
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:	NYS AWQS	OU4	OU4	OU4	OU4	OU4	OU4
Sample Name:		WCMW-28S	WCMW-28I	WCMW-28I	WCMW-28I	WCMW-29S	WCMW-29I
Screened Interval:		2-12 ft	20-25 ft	20-25 ft	20-25 ft	2-12 ft	20-25 ft
Sample Date:		9/16/2010	7/9/2010	8/25/2010	9/16/2010	9/16/2010	9/16/2010
Parent Sample:							
BTEX (ug/L)							
Benzene	1	10 U	10 U	10 U	10 U	**1 J**	10 U
Toluene	5	10 U	10 U	10 U	10 U	**2 J**	10 U
Ethylbenzene	5	10 U	10 U	10 U	10 U	**54**	10 U
Xylene, m,p-	5	10 U	10 U	10 U	10 U	**6 J**	10 U
Xylene, o-	5	10 U	10 U	10 U	10 U	**21**	10 U
Total BTEX	NE	ND	ND	ND	ND	**84**	ND
Other VOCs (ug/L)							
Acetaldehyde	8*	10 U	10 UJ	10 U	10 U	**32**	10 U
Acetone	50*	10 U	10 UJ	10 U	10 U	**19**	10 U
Allyl chloride	5	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
Bromoform	50*	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
Butadiene, 1,3-	NE	10 U	10 UJ	10 U	10 U	10 U	10 U
Butanone, 2-	50*	10 U	10 UJ	10 U	10 U	**3 J**	10 U
Carbon disulfide	60*	10 U	10 U	10 U	10 U	**35**	10 U
Carbon tetrachloride	5	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	5	10 U	10 U	10 U	10 U	**2 J**	10 U
Chloroethane	5	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
Chloromethane	5	10 U	10 UJ	10 U	10 U	10 U	10 U
Chlorotoluene	5	10 U	10 U	10 U	10 U	10 U	10 U
Cryofluorane	NE	10 U	10 U	10 U	10 U	10 U	10 U
Cyclohexane	NE	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
Dibromoethane, 1,2-	0.0006	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
Dichlorobenzene, 1,3-	3	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
Dichlorodifluoromethane	5	10 U	10 UJ	10 U	10 U	10 U	10 U
Dichloroethane, 1,1-	5	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
Dichloroethene, 1,1-	0.07	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
Dichloropropane, 1,2-	1	10 U	10 U	10 U	10 U	10 U	10 U
Dichloropropene, cis-1,3	NE	10 U	10 U	10 U	10 U	10 U	10 U
Dichloropropene, trans-1,3	NE	10 U	10 U	10 U	10 U	10 U	10 U
Dioxane, 1,4-	NE	500 U	R	500 U	500 U	500 U	500 U
Ethanol	NE	500 U	R	500 U	500 U	500 U	500 U
Heptane, n-	NE	10 U	10 UJ	10 U	10 U	10 U	10 U
Hexachlorobutadiene	0.5	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
Hexanone, 2-	50*	10 U	10 UJ	10 U	10 U	10 U	10 U

Table 4-24
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:	NYS AWQS	OU4	OU4	OU4	OU4	OU4	OU4
Sample Name:		WCMW-28S	WCMW-28I	WCMW-28I	WCMW-28I	WCMW-29S	WCMW-29I
Screened Interval:		2-12 ft	20-25 ft	20-25 ft	20-25 ft	2-12 ft	20-25 ft
Sample Date:		9/16/2010	7/9/2010	8/25/2010	9/16/2010	9/16/2010	9/16/2010
Parent Sample:							
Isopropyl benzene	5	10 U	10 U	10 U	10 U	**14**	10 U
Methyl tert-butyl ether	10*	10 U	10 U	10 U	10 U	**2 J**	10 U
Methyl-2-pentanone, 4-	NE	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
Naphthalene	10*	**18**	10 U	**2 J**	10 U	**2200 D**	**7 J**
Propanol, 2-	NE	500 U	R	500 U	500 U	500 U	500 U
Propylbenzene, n-	5	10 U	10 U	10 U	10 U	**5 J**	10 U
Styrene	5	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
Tetrachloroethane,1,1,2,2-	5	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
Tetrahydrofuran	50*	10 U	10 UJ	10 U	10 U	10 U	10 U
Trans-1,2-dichloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	5	10 U	10 U	10 U	10 U	10 U	10 U
Trichlorobenzene, 1,2,4-	5	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethane, 1,1,1-	5	**2 J**	10 U	10 U	10 U	10 U	10 U
Trichloroethane, 1,1,2-	1	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
Trichlorofluoromethane	5	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene 1,3,5-/P-ethyltoluene	5	10 U	10 U	10 U	10 U	**37**	10 U
Trimethylbenzene, 1,2,4-	5	**2 J**	10 U	10 U	10 U	**94**	10 U
Trimethylpentane, 2,2,4-	NE	10 U	10 UJ	10 U	10 U	10 U	10 U
Vinyl acetate	NE	10 U	10 UJ	10 U	10 U	10 U	10 U
Vinyl chloride	2	10 U	10 UJ	10 U	10 U	10 U	10 U
Non-carcinogenic PAHs (ug/L)							
Acenaphthene	20*	**160 D**	10 U	10 U	10 U	**110 DJ**	**13**
Acenaphthylene	NE	**16**	10 U	10 U	10 U	**1 J**	**8 J**
Anthracene	50*	**18**	10 U	10 U	10 U	**3 J**	10 U
Benzo[g,h,i]perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	**6 J**	10 U	10 U	10 U	**2 J**	10 U
Fluorene	50*	**66**	10 U	10 U	10 U	**66**	**2 J**
Methylnaphthalene, 2-	NE	10 U	10 U	10 U	10 U	**440 DJ**	**2 J**
Naphthalene	10*	**12**	10 U	10 U	10 U	**1700 D**	**4 J**
Phenanthrene	50*	**110 D**	10 U	10 U	10 U	**57**	**14**
Pyrene	50*	**8 J**	10 U	10 U	10 U	**11**	10 U
Total Noncarcinogenic PAHs	NE	**396**	ND	ND	ND	**2390**	**43**
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	**1 J**	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 Carcinogenic PAHs	NE	ND	ND	ND	ND	**1**	ND
Total PAHs (ug/L)							
Total PAHs	NE	**396**	ND	ND	ND	**2391**	**43**

Table 4-24
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:	NYS AWQS	OU4	OU4	OU4	OU4	OU4	OU4
Sample Name:		WCMW-28S	WCMW-28I	WCMW-28I	WCMW-28I	WCMW-29S	WCMW-29I
Screened Interval:		2-12 ft	20-25 ft	20-25 ft	20-25 ft	2-12 ft	20-25 ft
Sample Date:		9/16/2010	7/9/2010	8/25/2010	9/16/2010	9/16/2010	9/16/2010
Parent Sample:							
Other SVOCs (ug/L)							
Bis(2-chloroethoxy)methane	5	10 U	10 U	10 U	10 U	10 U	10 U
Bis(2-chloroethyl)ether	1	10 U	10 U	10 U	10 U	10 U	10 U
Bis(2-ethylhexyl)phthalate	5	10 U	10 U	**5 BJ**	10 U	10 U	10 U
Bis(chloroisopropyl)ether	5	10 U	10 U	10 U	10 U	10 U	10 U
Bromophenyl phenyl ether, 4-	NE	10 U	10 U	10 U	10 U	10 U	10 U
Butyl benzyl phthalate	50*	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole	NE	10 U	10 U	10 U	10 U	10 U	10 U
Chloro-3-methylphenol, 4-	NE	10 U	10 U	10 U	10 U	10 U	10 U
Chloroaniline, 4-	5	10 U	10 U	10 U	10 U	10 U	10 U
Chloronaphthalene, 2-	10*	10 U	10 U	10 U	10 U	10 U	10 U
Chlorophenol, 2-	NE	10 U	10 U	10 U	10 U	10 U	10 U
Chlorophenyl phenyl ether, 4-	NE	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	NE	**10**	10 U	10 U	10 U	**9 J**	**2 J**
Dichlorobenzene, 1,2-	3	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene, 1,3-	3	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
Dichlorobenzidine, 3,3-	5	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorophenol, 2,4-	5	10 U	10 U	10 U	10 U	10 U	10 U
Diethyl phthalate	50*	10 U	10 U	10 U	10 U	10 U	10 U
Dimethyl phthalate	50*	10 U	10 U	10 U	10 U	10 U	10 U
Dimethylphenol, 2,4-	50*	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butyl phthalate	50	10 U	10 U	10 U	10 U	10 U	10 U
Dinitro-2-methylphenol, 4,6-	NE	25 U	25 U	25 U	25 U	25 U	25 U
Dinitrophenol, 2,4-	10*	25 U	25 U	25 U	25 U	25 U	25 U
Dinitrotoluene, 2,4-	5	10 U	10 U	10 U	10 U	10 U	10 U
Dinitrotoluene, 2,6-	5	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octyl phthalate	50*	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	0.04	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	0.5	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	5	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	5	10 U	10 U	10 U	10 U	10 U	10 U
Isophorone	50*	10 U	10 U	10 U	10 U	10 U	10 U
Methylphenol, 2-	1	10 U	10 U	10 U	10 U	10 U	10 U
Methylphenol, 4-	1	10 U	10 U	10 U	10 U	10 U	10 U
Nitroaniline, 2-	5	25 U	25 U	25 U	25 U	25 U	25 U
Nitroaniline, 3-	5	25 U	25 U	25 U	25 U	25 U	25 U
Nitroaniline, 4-	5	25 U	25 U	**7 J**	25 U	25 U	25 U
Nitrobenzene	0.4	10 U	10 U	10 U	10 U	10 U	10 U
Nitrophenol, 2-	NE	10 U	10 U	10 U	10 U	10 U	10 U
Nitrophenol, 4-	NE	25 U	25 UJ	25 U	25 U	25 U	25 U
Nitrosodi-n-propylamine, N-	NE	10 U	10 U	10 U	10 U	10 U	10 U
Nitrosodiphenylamine, N-	50*	10 U	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol	1	25 U	25 U	25 U	25 U	25 U	25 U
Phenol	1	10 U	10 U	10 U	10 U	10 U	10 U
Trichlorobenzene, 1,2,4-	5	10 U	10 U	10 U	10 U	10 U	10 U
Trichlorophenol, 2,4,5-	NE	25 U	25 U	25 U	25 U	25 U	25 U
Trichlorophenol, 2,4,6-	NE	10 U	10 U	10 U	10 U	10 U	10 U
Other (ug/L)							
Sulfate	250000	NA	NA	NA	NA	NA	NA

Notes for groundwater tables are compiled at the end of the Tables in this section

Table 4-25
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-01S	39	6	19	-41	0.6191	No Trend
WCMW-01I	30	23	0.1	62	0.1330	No Trend
WCMW-01D	23	22	0.1	8	0.5465	No Trend
WCMW-02S	27	13	2	16	0.7226	No Trend
WCMW-02D	18	17	0.1	-1	0.9232	No Trend
WCMW-03S	37	0	312	36	0.6377	No Trend
WCMW-03I	32	0	1123.5	14	0.8204	No Trend
WCMW-03I2	32	8	14.5	-212	0.0005	Decreasing
WCMW-04S	39	1	197	93	0.2605	No Trend
WCMW-04I	32	3	94.5	-118	0.0555	Decreasing
WCMW-04I2	28	26	0.1	-9	0.6884	No Trend
WCMW-05S	33	8	6	248	0.0001	Increasing
WCMW-05I	31	0	243	-31	0.5982	No Trend
WCMW-05I2	28	17	0.1	58	0.1916	No Trend
WCMW-06S	24	22	0.1	-7	0.7151	No Trend
WCMW-06I	22	21	0.1	-9	0.4781	No Trend
WCMW-06I2	20	19	0.1	-9	0.4352	No Trend
WCMW-10S	18	16	0.1	-1	0.9441	No Trend
WCMW-10D	17	16	0.1	12	0.2207	No Trend
WCMW-11S	13	0	369	-36	0.0281	Decreasing
WCMW-11I	13	8	0.1	21	0.1399	No Trend
WCMW-11D	13	11	0.1	11	0.2800	No Trend
WCMW-12S	12	3	2.5	-23	0.1076	No Trend
WCMW-12I	12	9	0.1	11	0.3146	No Trend
WCMW-12D	12	11	0.1	-7	0.3106	No Trend
WCMW-13S	12	9	0.1	-5	0.6476	No Trend
WCMW-13D	12	11	0.1	-5	0.4689	No Trend
WCMW-14S	19	6	4	120	0.0000	Increasing
WCMW-14I	19	1	50	83	0.0036	Increasing
WCMW-14I2	18	4	14.5	63	0.0163	Increasing
WCMW-14D	15	14	0.1	-2	0.8170	No Trend
WCMW-16S	23	2	81	69	0.0682	Increasing
WCMW-16I	20	8	6.5	80	0.0070	Increasing
WCMW-16I2	20	6	8.5	92	0.0024	Increasing
WCMW-17S	15	0	266	55	0.0065	Increasing
WCMW-17I	15	1	206	31	0.1250	No Trend
WCMW-17I2	15	3	12	54	0.0069	Increasing
WCMW-24S	6	0	226	1	0.8510	No Trend
WCMW-24I	6	0	20.5	11	0.0388	Increasing
WCMW-24I2	6	5	0.1	-5	0.1432	No Trend
WCMW-26S	6	0	372	-7	0.1885	No Trend
WCMW-26I	6	0	47	-2	0.7021	No Trend
WCMW-26I2	6	1	8	-1	0.8510	No Trend
WCMW-27S	13	3	78	11	0.4992	No Trend
WCMW-27I	11	10	0.1	-10	0.1138	No Trend
WCMW-28S	13	0	129	13	0.4268	No Trend
WCMW-28I	11	10	0.1	-8	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.

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)
cfu/mL - colony forming units per milliliter
feet bgs - depth in feet below ground surface
BTEX - benzene, toluene, ethylbenzene, and xylenes (a subset of VOCs)
SVOCs - semivolatile organic compounds
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. Total BTEX and Total PAHs concentrations reported this quarter represent the sample collected closest to the end of the quarter.

-- 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

Data qualifiers:
B - analyte detected in the associated method blank
D - results for dilution
E - value above quantitation range
J - estimated value
N - analyte is presumptively present
R - rejected result
U - not detected to the reporting limit for organic analysis and the method detection limit for inorganic analysis

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU1SG-06 2/6/2008	OU1SG-06 4/3/2008	OU1SG-06 6/18/2008	OU1SG-06 9/19/2008	OU1SG-06 12/23/2008	OU1SG-06 3/16/2009	OU1SG-6 6/16/2009	OU1SG-06 9/21/2009	OU1SG-06 12/29/2009	OU1SG-06 3/17/2010	OU1SG-06 6/8/2010	OU1SG-06 9/9/2010	OU1SG-07 2/6/2008	OU1SG-07 4/3/2008
BTEX (ug/m^3)															
Benzene	5.8	**2.8**	0.64 U	0.64 U	**0.29 J**	0.64 U	0.64 U	0.64 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	**15**	0.64 U
Toluene	21	**37**	**0.51 J**	**0.56 J**	**1.9**	**0.69 J**	**0.43 J**	**0.89**	**0.68 J**	1.5 U	1.5 U	1.5 U	**0.83 J**	**84**	**3.2**
Ethylbenzene	1.9	**11**	0.87 U	**0.22 J**	**0.26 J**	**0.23 J**	0.87 U	0.87 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	**5.6**	**0.36 J**
Xylene, m,p-	3.1	**140**	**0.82 J**	**0.87 J**	**0.74 J**	**0.64 J**	**0.52 J**	**0.46 J**	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	**17**	**1.1 J**
Xylene, o-	2.5	**200**	**0.59 J**	**0.56 J**	**0.22 J**	**0.26 J**	0.87 U	**0.26 J**	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	**4.7**	**0.49 J**
Other VOCs (ug/m^3)															
Acetaldehyde	NE	**13**	4.5 U	**14**	**24**	**2.4 J**	3.2 U	**9.0**	**5.4 J**	9.0 U	**3.4 J**	**4.6 J**	**9.8 J**	**3.1 J**	**7.2 J**
Acetone	58	1.2 U	2.7 U	4.4 U	**5.7**	1.7 U	2.7 U	4.2 U	5.4 UJ	3.6 U	**1.4 J**	**1.8 J**	11.8 U	**5.2 J**	4.7 U
Acrolein (propenal)	NE	0.46 U	**0.57 J**	**1.2**	**1.0**	0.46 U	0.46 U	**0.49 J**	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	**0.34 J**	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	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.63 U	0.63 U
Benzothiophene	NE	1.1 U	1.1 UJ	1.1 UJ	1.1 U	1.1 UJ	1.1 U	1.1 U	2.2 U	2.2 U	2.2 U	5.5 U	5.5 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	2.7 U	2.7 U	2.7 U	2.7 U	2.7 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	4.1 U	4.1 U	4.1 U	4.1 U	4.1 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	1.6 U	1.6 U	1.6 U	1.6 U	1.6 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	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	**1.7 J**	0.44 U
Butane	NE	**1.3**	0.48 U	**0.19 J**	**0.64**	**0.18 J**	0.48 U	0.48 U	0.95 U	0.95 U	0.95 U	0.95 U	**1.8**	**11**	**6.7**
Butanone, 2-	17	**9.6**	**0.52 J**	**1.0**	**2.2**	0.59 U	**0.49 J**	**1.0**	1.2 U	1.2 U	1.2 U	1.2 U	**0.65 J**	**1.9**	**0.56 J**
Carbon disulfide	NE	0.62 U	**0.53 J**	2.4 U	**5.4**	**0.17 J**	0.62 U	**1.5**	1.2 U	1.2 U	1.2 U	**0.66 J**	**0.62 J**	**4.2**	**0.62**
Carbon tetrachloride	1	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	**1.3**	1.3 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	1.8 U	1.8 U	1.8 U	1.8 U	1.8 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	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.53 U	0.53 U
Chloroform	0.5	0.98 U	0.98 U	**0.49 J**	**0.34 J**	0.98 U	0.98 U	**0.31 J**	**1.1 J**	2.0 U	2.0 U	**0.56 J**	2.0 U	**1.5**	**2.2**
Chloromethane	4.6	0.41 U	0.41 U	**0.23 J**	0.41 U	**0.12 J**	0.41 U	**0.20 J**	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.41 U	**0.11 J**
Chlorotoluene, 2-	NE	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	2.1 U	2.1 U	2.1 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	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	1.4 U	1.4 U
Cyclohexane	3	**18**	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	**2.3**	0.69 U
Decane, n-	3.6	**7.6**	**2.0**	**21**	**5.6**	**1.5**	**3.2**	**4.5**	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	**11**	**3.9**
Dibromochloromethane	NE	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	3.4 U	3.4 U	3.4 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	3.1 U	3.1 U	3.1 U	3.1 U	3.1 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	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	1.2 U	1.2 U
Dichlorobenzene, 1,3-	0.7	**7.0**	**0.50 J**	**2.8**	1.2 U	1.2 U	1.2 U	**0.68 J**	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	**7.7**	**1.5**
Dichlorobenzene, 1,4-	0.8	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	**0.31 J**	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	1.2 U	1.2 U
Dichlorodifluoromethane	11	**2.3**	**2.0**	**2.9**	**2.8**	**2.6**	**2.6**	**2.9**	**3.0**	**2.3**	**2.3**	**2.1**	**2.6**	**1.0**	**2.9**
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	1.6 U	1.6 U	1.6 U	1.6 U	1.6 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	1.6 U	1.6 U	1.6 UJ	1.6 U	1.6 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	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.79 U	0.79 U
Dichloroethene, cis-1,2-	<0.25	0.79 U	0.79 U	**0.52 J**	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 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	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.92 U	0.92 U
Dichloropropene, cis-1,3	<0.25	0.91 U	0.91 UJ	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 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	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.91 U	0.91 U
Dioxane, 1,4-	NE	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	1.4 U	1.4 U	1.4 U	0.72 U	0.72 U
Dodecane, n-	7.6	**4.9**	**1.7**	**19 J**	**7.7**	**1 J**	**3.8 J**	**4.6**	**1.7 J**	2.8 UJ	2.8 U	**0.71 J**	**1.7 J**	**2.2**	**3.3**
Ethanol	220	1.9 U	**4.2 J**	**7.8**	**3.8**	**3.8**	**1.6 J**	**16**	3.8 U	3.8 U	3.8 U	3.8 U	**3.8**	**38**	**12**
Ethylthiophene, 2-	NE	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	1.8 U	1.8 U	1.8 U	0.92 U	0.92 U
Ethyltoluene, p-	NE	**35**	0.98 U	**0.29 J**	0.98 U	0.98 U	0.98 U	0.98 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**1.2**	0.98 U
Heptane, n-	5.1	**25**	0.82 UJ	0.82 UJ	0.82 U	0.82 U	0.82 UJ	0.82 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	**53**	0.82 UJ
Hexachlorobutadiene	7	2.1 U	2.1 U	2.1 UJ	2.1 U	2.1 U	2.1 U	2.1 U	4.3 UJ	4.3 U	4.3 U	4.3 U	4.3 U	2.1 U	2.1 UJ

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU1SG-06 2/6/2008	OU1SG-06 4/3/2008	OU1SG-06 6/18/2008	OU1SG-06 9/19/2008	OU1SG-06 12/23/2008	OU1SG-06 3/16/2009	OU1SG-6 6/16/2009	OU1SG-06 9/21/2009	OU1SG-06 12/29/2009	OU1SG-06 3/17/2010	OU1SG-06 6/8/2010	OU1SG-06 9/9/2010	OU1SG-07 2/6/2008	OU1SG-07 4/3/2008
Hexane, n-	3.6	**10**	0.70 U	0.70 U	**0.21 J**	0.7 U	0.70 U	0.70 U	1.4 U	1.4 U	1.4 U	1.4 U	**0.77 J**	**25**	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	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.82 U	0.82 U
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	**20**	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	**0.48 J**	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	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	0.95 U	0.95 U
Isopropyl benzene	0.4	NA	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 U	0.72 U	0.72 U	0.72 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	**0.76**	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 UJ	**0.46 J**	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.82 U	0.82 U
Methylene chloride	2.9	1.7 UJ	1.7 U	1.7 UJ	0.69 U	2.1 U	1.7 U	1.7 U	3.5 U	**0.90 J**	3.5 U	3.5 U	**10**	**0.80 J**	1.7 U
Methylnaphthalene, 1-	NE	**0.35 J**	1.2 UJ	2.9 UJ	1.2 U	R	1.2 U	1.2 U	2.3 U	2.3 U	2.3 U	5.8 U	5.8 UJ	**0.41 J**	1.2 UJ
Methylnaphthalene, 2-	NE	**0.64 J**	1.2 UJ	2.9 UJ	1.2 U	14 UJ	1.2 U	**0.33 J**	2.3 U	2.3 U	2.3 U	5.8 U	5.8 U	**0.46 J**	1.2 UJ
Methylthiophene, 2-	NE	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	1.6 U	1.6 U	1.6 U	0.80 U	0.80 U
Methylthiophene, 3-	NE	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	1.6 U	1.6 U	1.6 U	0.80 UJ	0.80 U
Naphthalene	10	**2.0**	1.0 U	**0.73 J**	1.0 U	1 U	1.0 U	**0.53 J**	**0.63 J**	2.1 U	2.1 U	2.1 U	2.1 U	**0.37 J**	**0.27 J**
Nonane	1.2	**8.7**	1.0 U	**0.58 J**	**0.26 J**	**0.62 J**	**0.50 J**	**0.29 J**	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	**7.8**	**0.38 J**
Octane, n-	2.1	**19**	**1.5**	**65**	**2.7**	**1.9**	**6.1**	**9.3**	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	**12**	**2.8**
Pentane	NE	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	1.2 U	1.2 U	1.2 U	1.2 U	**1.1 J**	**16**	**0.56 J**
Propanol, 2-	NE	0.49 UJ	**1.0 J**	1.3 UJ	0.49 U	**0.67**	1.2 U	1.8 U	2.4 U	**1.5 J**	**1.6 J**	2.5 U	2.5 U	**76 J**	**2.7**
Propylbenzene, n-	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.6	**0.89**	0.85 U	**0.51 J**	**0.21 J**	0.85 U	0.85 U	**2.9**	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	**0.47 J**	0.85 U
t-Butyl alcohol	NE	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	1.5 U	**0.38 J**	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.61 U	**0.18 J**
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	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	1.4 U	1.4 U
Tetrachloroethene	1.6	**16**	**13**	**44**	**56**	**4.9**	**8.6**	**36**	**32**	**2.7**	**7.0**	**2.0 J**	**37**	**32**	**14**
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	**31**	**0.32 J**	1.1 UJ	**0.44 J**	1.1 U	1.1 U	1.1 U	2.2 UJ	2.2 U	2.2 U	2.2 U	2.2 U	**0.88 J**	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	1.4 U	1.4 U	1.4 U	1.4 U	1.4 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	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	1.5 U	**0.44 J**	**0.69 J**	**0.61 J**	**0.59 J**	**0.60 J**	**0.74 J**	**0.92 J**	3.1 U	3.1 U	3.1 U	3.1 U	**0.77 J**	**0.70 J**
Trichlorobenzene, 1,2,4-	4.8	1.5 U	1.5 U	1.5 UJ	1.5 U	1.5 U	1.5 U	1.5 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	1.5 U	1.5 U
Trichloroethane, 1,1,1-	0.7	**0.27 J**	1.1 U	**1.1**	**1.7**	1.1 U	1.1 U	**0.59 J**	**1.3 J**	2.2 U	2.2 UJ	2.2 U	**1.3 J**	**0.82 J**	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	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	1.1 U	1.1 U
Trichloroethene	0.5	**0.59 J**	**0.71 J**	**2.0**	**2.3**	**0.62 J**	**0.48 J**	**1.2**	**1.7 J**	2.2 U	2.2 U	2.2 U	**1.9 J**	**0.86 J**	1.1 U
Trichlorofluoromethane	6.1	1.1 U	**1.2**	**1.6**	**1.4**	**1.3**	**1.3**	**2.0**	**1.7 J**	**1.0 J**	**1.2 J**	**1.4 J**	**1.5 J**	**1.4**	**2.3**
Trimethylbenzene, 1,2,3-	0.6	**180**	**0.69 J**	**1.8**	0.98 U	0.98 U	**0.29 J**	**0.30 J**	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U	**3.6**	**0.92 J**
Trimethylbenzene, 1,2,4-	2.5	**100**	**0.28 J**	**0.59 J**	**0.29 J**	0.98 U	0.98 U	**0.82 J**	**0.49 J**	2.0 U	2.0 U	2.0 U	2.0 U	**1.4**	**0.27 J**
Trimethylbenzene, 1,3,5-	1	**76**	**0.34 J**	**0.93 J**	0.98 U	0.98 U	0.98 U	0.98 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**1.2**	**0.36 J**
Trimethylpentane, 2,2,4-	2	**180**	**0.58 J**	0.93 UJ	**0.37 J**	0.93 U	0.93 U	0.93 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	**14**	0.93 UJ
Undecane, n-	2.3	**5.4**	**0.84 J**	**3.3**	1.3 UJ	1.3 U	**0.91 J**	**1.5**	**1.0 J**	2.6 U	2.6 U	2.6 U	2.6 U	**4.9**	**2.0**
Vinyl bromide	NE	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	1.8 U	1.8 U	1.8 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	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.51 U	0.51 U
Other (%)															
Carbon Dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NE	NA	NA	0.0174 U	0.0232 U	**0.0155**	0.0173 U	0.0178	0.00328 U	0.0145 U	0.0201 U	0.0156 U	0.0162 U	NA	NA

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU1SG-07 6/18/2008	OU1SG-07 9/19/2008	OU1SG-07 12/23/2008	OU1SG-07 3/16/2009	OU1SG-7 6/16/2009	OU1SG-07 9/21/2009	Duplicate of OU1SG-07 9/21/2009	OU1SG-07 12/29/2009	OU1SG-07 3/17/2010	OU1SG-07 6/8/2010	OU1SG-07 9/9/2010	OU1SG-08 2/7/2008	OU1SG-08 6/13/2008	OU1SG-08 9/30/2008
BTEX (ug/m^3)															
Benzene	5.8	0.64 UJ	**0.41 J**	**0.21 J**	0.64 U	0.64 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	**0.86**	0.64 UJ	0.64 U
Toluene	21	**6.6**	**16**	**1.1**	**0.67 J**	**2.0**	**0.75 J**	**0.83 J**	**4.6**	**10**	**18**	**14**	**9.0**	**7.5**	**8.4**
Ethylbenzene	1.9	0.87 U	**1.0**	**0.31 J**	**0.30 J**	**0.28 J**	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	**0.87 J**	**0.74 J**	**1.2**	**0.32 J**
Xylene, m,p-	3.1	**0.56 J**	**2.5**	**0.98 J**	**0.75 J**	**0.58 J**	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	**3.1 J**	**2.6**	**3.9**	**0.98 J**
Xylene, o-	2.5	0.87 U	**0.95**	**0.27 J**	0.87 U	**0.23 J**	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	**1.4 J**	**1.2**	**1.6**	**0.37 J**
Other VOCs (ug/m^3)															
Acetaldehyde	NE	**6.4**	**28 J**	**5.2**	3.7 U	5.2 U	**9.0 J**	**5.9 J**	9.0 U	**4.5 J**	**13**	**9.7 J**	4.5 U	**24**	1.8 UJ
Acetone	58	**3.2**	0.47 UJ	2.8 U	4.2 U	3.7 U	6.5 UJ	6.2 UJ	3.6 U	**1.6 J**	**3.9 J**	11.8 U	1.2 U	**10**	0.47 UJ
Acrolein (propenal)	NE	0.46 U	**2.5**	0.46 U	0.46 U	**0.35 J**	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	0.46 U	**1.2**	**0.54**
Allyl chloride	NE	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	1.2 U	1.2 U	0.63 U	0.63 U	0.63 U
Benzothiophene	NE	1.1 U	1.1 U	1.1 UJ	1.1 U	1.1 U	2.2 U	2.2 U	2.2 U	2.2 U	5.5 U	5.5 U	1.1 U	1.1 UJ	1.1 U
Bromodichloromethane	NE	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	**0.33 J**	1.3 U	1.3 U
Bromoform	NE	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 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	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 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	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.44 U	0.44 U	0.44 U
Butane	NE	**0.33 J**	**6.4**	0.48 U	0.48 U	**0.38 J**	**0.62 J**	**6.0 J**	0.95 U	**0.71 J**	**0.25 J**	**2.8**	**1.1**	0.48 U	**8.5**
Butanone, 2-	17	**0.74**	**3.1**	0.59 U	0.59 U	**0.51 J**	1.2 U	1.2 U	1.2 U	1.2 U	**0.96 J**	**0.53 J**	**1.3**	**2.9**	**0.85**
Carbon disulfide	NE	0.75 U	**1.5**	0.62 U	0.62 U	**3.2**	**0.56 J**	**2.4 J**	**21**	**29**	**68**	**77**	**0.19 J**	**1.8 J**	**0.72**
Carbon tetrachloride	1	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1.3 U	1.3 U	1.3 U
Chlorobenzene	<0.25	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 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	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.53 U	0.53 U	0.53 U
Chloroform	0.5	**4.8**	**2.5**	**0.43 J**	**1.4**	**2.6**	**11 J**	**3.1 J**	2.0 U	**0.49 J**	**1.3 J**	**2.9**	**29**	**1.8**	**0.39 J**
Chloromethane	4.6	**0.12 J**	**0.43**	**0.13 J**	**0.14 J**	0.41 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.41 U	**0.23 J**	**0.15 J**
Chlorotoluene, 2-	NE	1.0 U	1.0 U	1 U	1.0 U	1.0 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 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	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	1.4 U	1.4 U	1.4 U
Cyclohexane	3	0.69 U	**1.5**	0.69 U	0.69 U	0.69 U	1.4 U	1.4 U	**3.1**	**4.7**	**3.0**	**7.1**	**0.21 J**	**0.38 J**	0.69 U
Decane, n-	3.6	**8.8**	**15**	**1.7**	**4.1**	**1.6**	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	**0.70 J**	**3.2**	**80**	**24**
Dibromochloromethane	NE	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 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	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 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	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,3-	0.7	**1.2**	1.2 U	1.2 U	1.2 U	**0.54 J**	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	**2.3**	**13**	**0.59 J**
Dichlorobenzene, 1,4-	0.8	1.2 U	1.2 U	1.2 U	1.2 U	**0.38 J**	2.4 U	2.4 U	2.4 U	**0.84 J**	**1.7 J**	**1.3 J**	1.2 U	**0.96 J**	1.2 U
Dichlorodifluoromethane	11	**2.5**	**2.8**	**2.4**	**2.6**	**1.3**	**4.7**	**2.8**	**2.1**	**2.3**	**2.3**	**2.3**	**2.3**	**3.3**	**3.1**
Dichloroethane, 1,1-	<0.25	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 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	1.6 U	1.6 U	1.6 U	1.6 UJ	1.6 U	1.6 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	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 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	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 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	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 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	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 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	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.91 U	0.91 U	0.91 U
Dioxane, 1,4-	NE	0.72 U	0.72 U	0.72 U	0.72 U	0.72 UJ	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.72 U	0.72 U	0.72 U
Dodecane, n-	7.6	**12 J**	**23**	1.4 UJ	**2.0 J**	**3.5**	2.8 U	**1.2 J**	2.8 UJ	**1.1 J**	**1.4 J**	**1.1 J**	**1.2 J**	**40 J**	**13**
Ethanol	220	**3.2**	**10**	**6.3**	**1.4 J**	**3.8**	3.8 U	3.8 U	3.8 U	**2.8 J**	**1.8 J**	**2.0 J**	**2.2**	**44**	**18**
Ethylthiophene, 2-	NE	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.92 U	0.92 U	0.92 U
Ethyltoluene, p-	NE	0.98 U	**0.69 J**	0.98 U	0.98 U	0.98 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**0.54 J**	**0.84 J**	0.98 U
Heptane, n-	5.1	**0.20 J**	**1.3**	0.82 U	0.82 UJ	0.82 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	**0.90 J**	**1.9**	**3.5**	0.82 U
Hexachlorobutadiene	7	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.3 UJ	4.3 UJ	4.3 U	4.3 U	4.3 U	4.3 U	2.1 U	2.1 U	2.1 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU1SG-07 6/18/2008	OU1SG-07 9/19/2008	OU1SG-07 12/23/2008	OU1SG-07 3/16/2009	OU1SG-7 6/16/2009	OU1SG-07 9/21/2009	Duplicate of OU1SG-07 9/21/2009	OU1SG-07 12/29/2009	OU1SG-07 3/17/2010	OU1SG-07 6/8/2010	OU1SG-07 9/9/2010	OU1SG-08 2/7/2008	OU1SG-08 6/13/2008	OU1SG-08 9/30/2008
Hexane, n-	3.6	0.70 U	**0.88**	0.7 U	0.70 U	0.70 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	**1.3 J**	**0.53 J**	**0.21 J**	**0.25 J**
Hexanone, 2-	NE	0.82 U	**0.70 J**	0.82 U	0.82 U	0.82 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.82 U	0.82 U	0.82 U
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	0.97 U	**0.34 J**	0.97 U	0.97 U	0.97 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	**0.39 J**	**1.1**	0.97 U
Indene	NE	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	0.95 U	**0.38 J**	0.95 U
Isopropyl benzene	0.4	NA	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 U	0.72 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.72 U	0.72 UJ	0.72 U
Methyl-2-pentanone, 4-	2.9	0.82 U	0.82 U	0.82 U	**0.54 J**	**0.32 J**	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	**0.53 J**	0.82 U	0.82 U
Methylene chloride	2.9	1.7 U	3.8 U	2.3 U	1.7 U	1.7 U	3.5 U	**1.5 J**	3.5 U	3.5 U	**1.0 J**	3.5 U	**0.49 J**	2.5 U	3.1 U
Methylnaphthalene, 1-	NE	2.9 U	1.2 U	R	1.2 U	1.2 U	2.3 U	2.3 U	2.3 U	2.3 U	5.8 U	5.8 UJ	1.2 U	**0.41 J**	1.2 UJ
Methylnaphthalene, 2-	NE	2.9 UJ	1.2 U	14 UJ	1.2 U	1.2 U	2.3 U	2.3 U	2.3 U	2.3 U	5.8 U	5.8 U	1.2 U	**0.93 J**	**0.44 J**
Methylthiophene, 2-	NE	0.80 U	0.80 U	0.8 U	0.80 U	0.80 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.80 U	0.80 U	0.80 U
Methylthiophene, 3-	NE	0.80 U	0.80 U	0.8 U	0.80 U	0.80 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.80 UJ	0.80 U	0.80 U
Naphthalene	10	**0.26 J**	1.0 U	1 U	1.0 U	**0.27 J**	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	**1.2 J**	1.0 U	**1.9**	**0.61 J**
Nonane	1.2	**0.26 J**	**1.4**	**0.81 J**	**0.67 J**	**0.47 J**	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	**1.5**	**2.0**	**0.70 J**
Octane, n-	2.1	**25**	**3.8**	**2.1**	**9.9**	0.93 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	**0.84 J**	**0.89 J**	**550**	**45**
Pentane	NE	0.59 U	**3.7**	0.59 U	0.59 U	0.59 U	1.2 UJ	**3.7 J**	1.2 U	**1.0 J**	**0.66 J**	**0.94 J**	**0.62**	0.59 U	**0.92**
Propanol, 2-	NE	**2.8 J**	**11 J**	0.49 U	1.6 U	1.2 U	2.4 U	2.4 U	2.5 U	2.5 U	2.5 U	2.5 U	**6.2 J**	**5.2 J**	**1.7**
Propylbenzene, n-	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.6	0.85 U	**0.94**	0.85 U	0.85 U	**2.7**	1.7 U	1.7 U	1.7 U	1.7 U	**0.66 J**	**1.2 J**	0.85 U	**0.68 J**	**0.31 J**
t-Butyl alcohol	NE	0.61 U	**1.2**	0.61 U	1.5 U	0.61 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 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	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	1.4 U	1.4 U	1.4 U
Tetrachloroethene	1.6	**17**	**9.3**	**1.2 J**	**2.4**	**7.1**	**26 J**	**6.4 J**	**1.2 J**	**3.1**	**9.0**	**11**	**3.3**	**3.0**	**2.4**
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	**0.49 J**	**0.66 J**	1.1 U	1.1 U	1.1 U	2.2 UJ	2.2 UJ	2.2 U	2.2 U	2.2 U	**0.66 J**	**0.44 J**	**3.9 J**	**0.63 J**
Thiophene	NE	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 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	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.79 U	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	1.5 U	**0.54 J**	**0.6 J**	**0.64 J**	**0.75 J**	**0.92 J**	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	**0.61 J**	**1.1 J**	**0.89 J**
Trichlorobenzene, 1,2,4-	4.8	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	1.5 U	1.5 U	1.5 U
Trichloroethane, 1,1,1-	0.7	**0.55 J**	**0.33 J**	1.1 U	1.1 U	**0.31 J**	2.2 U	2.2 U	2.2 U	2.2 UJ	2.2 U	2.2 U	**0.49 J**	**2.3**	**2.9**
Trichloroethane, 1,1,2-	<0.25	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	1.1 U	1.1 U	1.1 U
Trichloroethene	0.5	1.1 U	**7.1**	1.1 U	1.1 U	1.1 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	1.1 U	1.1 U	1.1 U
Trichlorofluoromethane	6.1	**1.5**	**1.5**	**1.4**	**1.4**	**1.5**	**1.8 J**	**1.9 J**	**0.90 J**	**1.2 J**	**1.2 J**	**1.1 J**	**1.6**	**2.0**	**2.0**
Trimethylbenzene, 1,2,3-	0.6	**0.64 J**	**1.0**	**0.27 J**	**0.34 J**	**0.27 J**	2.0 UJ	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U	**2.2**	**4.6**	**0.28 J**
Trimethylbenzene, 1,2,4-	2.5	0.98 U	**2.5 J**	0.98 U	0.98 U	**0.64 J**	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**0.79 J**	**0.79 J**	**1.1**	**0.63 J**
Trimethylbenzene, 1,3,5-	1	**0.29 J**	**0.84 J**	0.98 U	0.98 U	0.98 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**0.83 J**	**2.2**	0.98 U
Trimethylpentane, 2,2,4-	2	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	**0.51 J**	**1.2**	0.93 U
Undecane, n-	2.3	**1.3**	1.3 UJ	1.3 U	**0.82 J**	**1.5**	2.6 U	2.6 U	2.6 U	**1.2 J**	**1.2 J**	2.6 U	**1.9**	**19**	1.3 UJ
Vinyl bromide	NE	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 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	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.51 U	0.51 U	0.51 U
Other (%)															
Carbon Dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NE	0.0189 U	0.0172 U	**0.0151**	0.017 U	0.0172	0.003 U	0.0188 U	0.0165 U	0.0187 U	0.0173 U	0.0137 U	NA	0.037 U	0.014 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU1SG-08 12/30/2008	OU1SG-09 6/16/2009	OU1SG-09 9/21/2009	OU1SG-09 12/30/2009	OU1SG-09 3/17/2010	OU1SG-09 6/16/2010	Duplicate of: OU1SG-09 6/16/2010	OU1SG-09 9/9/2010	OU2SG-01 7/21/2004	OU2SG-01 10/13/2004	OU2SG-01 5/5/2005	OU2SG-01 8/30/2005	OU2SG-01 2/1/2006	OU2SG-01 6/14/2006
BTEX (ug/m^3)															
Benzene	5.8	0.64 U	0.64 U	1.3 U	**0.38 J**	**0.45 J**	1.3 U	1.3 U	**0.45 J**	**10.2**	**5.1**	**3.8**	**5.4**	**6.1**	13.4 U
Toluene	21	**1.8**	**1.4**	**2.4**	**4.2**	**11**	**8.9**	**9.1**	**12**	**32.4**	**32.4**	**36.6**	**75.4**	**56.5**	**56.5**
Ethylbenzene	1.9	**0.22 J**	0.87 U	1.7 U	1.7 U	**1.2 J**	**1.1 J**	**1.0 J**	**1.8**	**8.7**	**7.4**	**7.4**	**17.4**	**17.4**	18.2 U
Xylene, m,p-	3.1	**0.76 J**	1.7 U	**1.0 J**	3.5 U	**3.5**	**3.2 J**	**2.9 J**	**5.1**	**29.5**	**30.8**	**24.3**	**69.5**	**47.8**	**43.4**
Xylene, o-	2.5	**0.28 J**	0.87 U	**0.52 J**	1.7 U	**1.0 J**	**1.2 J**	**1.1 J**	**1.6 J**	**9.1**	**9.6**	**8.3**	**22.1**	**12.2**	18.2 U
Other VOCs (ug/m^3)															
Acetaldehyde	NE	4.5 UJ	4.5 U	**6.3 J**	9.0 U	**5.3 J**	**11 J**	**8.7 J**	**22 J**	NA	NA	NA	NA	NA	NA
Acetone	58	1.2 UJ	3.3 U	5.2 UJ	3.6 U	**1.9 J**	**5.2**	**3.4 J**	11.8 U	**109.3**	**104.5**	**427.6**	**109.3**	**47.5**	**641.4**
Acrolein (propenal)	NE	0.46 U	**0.46 J**	2.3 U	2.3 UJ	2.3 U	2.3 U	2.3 U	2.3 U	NA	NA	NA	NA	NA	NA
Allyl chloride	NE	0.63 U	0.63 U	1.3 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	9.4 U	9.1 U	9.1 U	10 U	9.1 U	53.2 U
Benzothiophene	NE	1.1 UJ	1.1 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	5.5 U	NA	NA	NA	NA	NA	NA
Bromodichloromethane	NE	1.3 U	1.3 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	5.1 U	4.8 U	4.9 U	5.4 U	4.9 U	28.1 U
Bromoform	NE	2.1 U	2.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	7.9 U	7.4 U	7.5 U	8.3 U	7.5 U	43.4 U
Bromomethane	0.9	0.78 U	0.78 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	3 U	2.8 U	2.8 U	3.1 U	2.8 U	16.3 U
Butadiene, 1,3-	NE	0.44 U	0.44 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	1.7 U	**3.1**	**2.9**	1.8 U	1.6 U	9.3 U
Butane	NE	**20**	0.48 U	0.95 U	0.95 U	**0.48 J**	0.95 U	0.95 U	**4.7**	NA	NA	NA	NA	NA	NA
Butanone, 2-	17	0.59 U	0.59 U	1.2 U	1.2 U	**0.71 J**	**2.4 J**	**0.70 J**	**1.4**	**14.2**	**14.2**	**32.4**	2.4 U	**8.3**	**20.9**
Carbon disulfide	NE	**0.17 J**	**5.6**	**9.5**	**120**	**170**	**180**	**170**	**440**	**15.6**	**5**	**3.7**	2.5 U	**3.1**	13.1 U
Carbon tetrachloride	1	1.3 U	1.3 U	**1.6 J**	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	4.8 U	4.5 U	4.6 U	5 U	4.6 U	26.4 U
Chlorobenzene	<0.25	0.92 U	0.92 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	3.5 U	3.3 U	3.4 U	3.7 U	3.4 U	19.3 U
Chloroethane	0.4	0.53 U	0.53 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2 U	1.9 U	1.9 U	2.1 U	1.9 U	11.1 U
Chloroform	0.5	**3.8**	**0.34 J**	**0.78 J**	2.0 U	2.0 U	**0.59 J**	2.0 U	**1.8 J**	3.7 U	3.5 U	3.6 U	3.9 U	3.6 U	20.5 U
Chloromethane	4.6	**0.16 J**	**0.16 J**	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	6.2 U	6 U	6 U	6.6 U	6 U	35.1 U
Chlorotoluene, 2-	NE	1.0 U	1.0 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	NA	NA	NA	NA	NA	NA
Cryofluorane	1.3	1.4 U	1.4 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	5.3 U	5 U	5.1 U	5.6 U	5.1 U	29.4 U
Cyclohexane	3	**0.65 J**	0.69 U	1.4 U	1.4 UJ	1.4 U	1.4 U	1.4 U	**0.34 J**	**154.9**	**7.9**	2.5 U	**3.3**	2.5 U	14.5 U
Decane, n-	3.6	**2.1**	**0.89 J**	**0.58 J**	2.3 U	2.3 UJ	**9.1**	**6.2**	2.3 U	NA	NA	NA	NA	NA	NA
Dibromochloromethane	NE	1.7 U	1.7 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	6.5 U	6.1 U	6.2 U	6.8 U	6.2 U	35.8 U
Dibromoethane, 1,2-	<0.25	1.5 U	1.5 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	5.8 U	5.5 U	5.6 U	6.1 U	5.6 U	32.3 U
Dichlorobenzene, 1,2-	0.9	1.2 U	1.2 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	4.6 U	4.3 U	4.4 U	4.8 U	4.4 U	25.3 U
Dichlorobenzene, 1,3-	0.7	1.2 U	1.2 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	4.6 U	4.3 U	4.4 U	4.8 U	4.4 U	25.3 U
Dichlorobenzene, 1,4-	0.8	1.2 U	1.2 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	4.6 U	4.3 U	4.4 U	4.8 U	4.4 U	25.3 U
Dichlorodifluoromethane	11	**2.7**	**2.3**	**3.6**	**4.2**	**2.9**	**2.9**	**3.1**	**3.4**	3.8 U	3.6 U	3.6 U	4 U	3.6 U	20.8 U
Dichloroethane, 1,1-	<0.25	0.81 U	0.81 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	3.1 U	2.9 U	3 U	3.2 U	3 U	17 U
Dichloroethane, 1,2-	<0.25	0.81 U	0.81 U	1.6 U	1.6 U	1.6 UJ	1.6 U	1.6 U	1.6 U	3.1 U	2.9 U	3 U	3.2 U	3 U	17 U
Dichloroethene, 1,1-	<0.25	0.79 U	0.79 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	3 U	2.9 U	2.9 U	3.2 U	2.9 U	16.7 U
Dichloroethene, cis-1,2-	<0.25	0.79 U	0.79 U	1.6 U	1.6 U	1.6 U	**2.9**	1.6 U	1.6 U	3 U	2.9 U	2.9 U	3.2 U	2.9 U	16.7 U
Dichloropropane, 1,2-	<0.25	0.92 U	0.92 U	1.8 U	1.8 UJ	1.8 U	1.8 U	1.8 U	1.8 U	3.5 U	3.3 U	3.4 U	3.7 U	3.4 U	19.4 U
Dichloropropene, cis-1,3	<0.25	0.91 U	0.91 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	3.4 U	3.3 U	3.3 U	3.6 U	3.3 U	19.1 U
Dichloropropene, trans-1,3	<0.25	0.91 U	0.91 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	3.4 U	3.3 U	3.3 U	3.6 U	3.3 U	19.1 U
Dioxane, 1,4-	NE	0.72 U	0.72 UJ	1.4 U	1.4 UJ	1.4 U	1.4 U	1.4 U	1.4 U	10.8 U	10.5 U	10.5 U	11.5 U	10.5 U	61.3 U
Dodecane, n-	7.6	**1.6 J**	**0.97 J**	**1.4 J**	2.8 U	2.8 U	**5.7 J**	**8.5**	2.8 U	NA	NA	NA	NA	NA	NA
Ethanol	220	**8.2**	**4.1**	3.8 U	3.8 U	**2.0 J**	**1.5 J**	**1.9 J**	**5.2**	**64.1**	**5.8**	**244.9 J**	6 U	**22.6**	**90.4**
Ethylthiophene, 2-	NE	0.92 U	0.92 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	NA	NA	NA	NA	NA	NA
Ethyltoluene, p-	NE	0.98 U	0.98 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**0.79 J**	**8.8**	**9.8**	**7.9**	**21.6**	**6.9 J**	20.6 U
Heptane, n-	5.1	0.82 U	0.82 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	**122.9**	**4.1**	**3.5**	**8.6**	**4.9**	17.2 U
Hexachlorobutadiene	7	2.1 U	2.1 U	4.3 UJ	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	32 U	30.9 U	30.9 U	34.1 U	30.9 U	181.3 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU1SG-08 12/30/2008	OU1SG-09 6/16/2009	OU1SG-09 9/21/2009	OU1SG-09 12/30/2009	OU1SG-09 3/17/2010	OU1SG-09 6/16/2010	Duplicate of: OU1SG-09 6/16/2010	OU1SG-09 9/9/2010	OU2SG-01 7/21/2004	OU2SG-01 10/13/2004	OU2SG-01 5/5/2005	OU2SG-01 8/30/2005	OU2SG-01 2/1/2006	OU2SG-01 6/14/2006
Hexane, n-	3.6	0.70 U	0.70 U	1.4 U	1.4 U	**0.42 J**	1.4 U	**0.37 J**	1.4 U	**33.5**	**8.1**	**5.3**	**7.4**	**4.6**	14.8 U
Hexanone, 2-	NE	0.82 U	0.82 U	1.6 U	1.6 U	1.6 U	**0.69 J**	1.6 U	1.6 U	12.3 U	11.9 U	11.9 U	13.1 U	11.9 U	69.6 U
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	0.97 U	0.97 U	1.9 U	1.9 U	1.9 U	**0.48 J**	1.9 U	**0.58 J**	NA	NA	NA	NA	NA	NA
Indene	NE	0.95 U	0.95 U	1.9 U	1.9 U	1.9 U	1.9 UJ	1.9 UJ	1.9 U	NA	NA	NA	NA	NA	NA
Isopropyl benzene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	3.7 U	3.5 U	3.6 U	3.9 U	3.6 U	20.6 U
Methyl tert-butyl ether	5.9	0.72 U	0.72 U	1.4 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	**4.7**	2.6 U	15.1 U
Methyl-2-pentanone, 4-	2.9	**0.73 J**	0.82 U	**1.6 J**	1.6 UJ	1.6 U	1.6 U	1.6 U	1.6 U	**4.5**	2.9 U	3 U	3.3 U	3 U	17.2 U
Methylene chloride	2.9	1.7 U	1.7 U	3.5 U	**1.2 J**	**1.0 J**	6.9 U	**4.4 J**	**2.2 J**	2.6 UJ	2.5 U	2.5 U	2.8 U	2.5 U	14.6 U
Methylnaphthalene, 1-	NE	R	1.2 U	2.3 U	2.3 U	2.3 U	5.8 U	5.8 U	5.8 UJ	NA	NA	NA	NA	NA	NA
Methylnaphthalene, 2-	NE	14 UJ	1.2 U	2.3 U	2.3 U	2.3 U	5.8 U	5.8 U	5.8 U	NA	NA	NA	NA	NA	NA
Methylthiophene, 2-	NE	0.80 U	0.80 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	NA	NA	NA	NA	NA	NA
Methylthiophene, 3-	NE	0.80 U	0.80 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	NA	NA	NA	NA	NA	NA
Naphthalene	10	1.0 UJ	**0.34 J**	2.1 U	2.1 U	2.1 U	**1.1 J**	2.1 U	**1.0 J**	15.7 U	15.2 U	15.2 UJ	**26.2**	15.2 U	89.1 UJ
Nonane	1.2	**0.52 J**	**0.34 J**	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	NA	NA	NA	NA	NA	NA
Octane, n-	2.1	**0.30 J**	**0.25 J**	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	NA	NA	NA	NA	NA	NA
Pentane	NE	**8.5**	0.59 U	1.2 U	1.2 U	**0.88 J**	1.2 U	1.2 U	**1.1 J**	NA	NA	NA	NA	NA	NA
Propanol, 2-	NE	**1.2 J**	1.2 U	2.4 U	2.5 U	**1.8 J**	**1.7 J**	2.5 U	2.5 U	7.4 U	7.1 U	**14.5**	7.9 U	7.1 U	**68.8**
Propylbenzene, n-	0.5	NA	NA	NA	NA	NA	NA	NA	NA	3.7 U	3.5 U	3.6 U	**4.9**	3.6 U	20.6 U
Styrene	0.6	0.85 U	**1.8**	1.7 U	1.7 U	1.7 U	**0.54 J**	**0.45 J**	**0.85 J**	3.2 U	3.1 U	3.1 U	**6**	3.1 U	17.9 U
t-Butyl alcohol	NE	**0.18 J**	0.61 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	**1.0 J**	NA	NA	NA	NA	NA	NA
Tetrachloroethane, 1,1,2,2-	<0.25	1.4 U	1.4 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	5.2 U	4.9 U	5 U	5.5 U	5 U	28.8 U
Tetrachloroethene	1.6	**0.35 J**	**4.1**	**4.2**	**0.95 J**	**1.6 J**	**6.4**	**5.2**	**7.3**	**5.2**	**26.5**	5 U	**8.1**	**9.5**	**43.4**
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	2.2 U	2.1 U	2.2 U	**2.7**	**2.5**	12.4 U
Tetramethylbenzene, 1,2,4,5-	NE	1.1 U	1.1 U	2.2 UJ	2.2 U	**0.55 J**	**0.94 J**	**0.56 J**	**0.66 J**	NA	NA	NA	NA	NA	NA
Thiophene	NE	0.69 U	0.69 U	1.4 U	1.4 UJ	1.4 U	1.4 U	1.4 U	1.4 U	NA	NA	NA	NA	NA	NA
Trans-1,2-dichloroethene	NE	0.79 U	0.79 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	3 U	2.9 U	2.9 U	3.2 U	2.9 U	16.7 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	**0.73 J**	**0.83 J**	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	5.8 U	5.5 U	5.6 U	6.1 U	5.6 U	32.2 U
Trichlorobenzene, 1,2,4-	4.8	1.5 UJ	1.5 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	22.3 U	21.5 U	21.5 U	23.7 U	21.5 U	126.2 U
Trichloroethane, 1,1,1-	0.7	**0.50 J**	**11**	**27**	**6.0**	**3.0 J**	**14**	**13**	**29**	4.1 U	3.9 U	4 U	4.4 U	4 U	22.9 U
Trichloroethane, 1,1,2-	<0.25	1.1 U	1.1 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	4.1 U	3.9 U	4 U	4.4 U	4 U	22.9 U
Trichloroethene	0.5	1.1 U	1.1 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	4.1 U	3.9 U	3.9 U	4.3 U	3.9 U	22.6 U
Trichlorofluoromethane	6.1	**1.6**	**2.6**	**2.2**	**1.6 J**	**1.6 J**	**1.9 J**	**2.2 J**	**1.7 J**	4.3 U	4 U	4.1 U	4.5 U	4.1 U	23.6 U
Trimethylbenzene, 1,2,3-	0.6	**0.33 J**	0.98 U	2.0 UJ	2.0 U	**0.59 J**	**0.83 J**	**0.81 J**	**1.2 J**	NA	NA	NA	NA	NA	NA
Trimethylbenzene, 1,2,4-	2.5	0.98 U	**0.34 J**	2.0 U	2.0 U	**1.1 J**	**1.9 J**	**1.6 J**	**2.4**	**6.9**	**8.8**	**7.4**	**18.7**	**5.4**	20.6 U
Trimethylbenzene, 1,3,5-	1	0.98 U	0.98 U	2.0 U	2.0 U	2.0 U	**0.50 J**	2.0 U	**0.98 J**	3.7 U	3.5 U	3.6 U	**7.4**	3.6 U	20.6 U
Trimethylpentane, 2,2,4-	2	0.93 U	0.93 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	3.6 U	3.4 U	3.4 U	**10.3**	**261.6**	**5606.4**
Undecane, n-	2.3	**0.48 J**	**0.79 J**	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	NA	NA	NA	NA	NA	NA
Vinyl bromide	NE	0.87 U	0.87 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	NA	NA	NA	NA	NA	NA
Vinyl chloride	<0.25	0.51 U	0.51 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.9 U	1.8 U	1.9 U	2 U	1.9 U	10.7 U
Other (%)															
Carbon Dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NE	**0.0201**	0.0175	0.00345 U	0.0139 U	0.0179 U	0.0186 U	0.0152 U	0.0182 U	NA	NA	NA	NA	NA	NA

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-01 9/7/2006	OU2SG-01 2/22/2007	OU2SG-01 5/24/2007	OU2SG-01 7/25/2007	OU2SG-01 9/19/2007	OU2SG-01 12/18/2007	OU2SG-01 3/26/2008	OU2SG-01 6/24/2008	OU2SG-01 9/24/2008	Duplicate of OU2SG-01 9/24/2008	OU2SG-01 12/29/2008	OU2SG-01 3/23/2009	OU2SG-01 6/17/2009	OU2SG-01 9/22/2009
BTEX (ug/m^3)															
Benzene	5.8	**18.5**	**7.0**	**0.68 J**	**0.65 J**	**0.56 J**	**0.29 J**	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	1.2 U
Toluene	21	**128.1**	**180**	**270**	**3.2**	**1.5 J**	**0.53 J**	**0.21 J**	**0.68 J**	**0.34 J**	**0.26 J**	0.75 U	0.75 U	0.75 U	1.5 U
Ethylbenzene	1.9	**43**	**7.6**	**7.2**	2.1 U	2.2 U	0.87 U	0.87 U	**0.48 J**	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	1.7 U
Xylene, m,p-	3.1	**95.5**	**20**	**22**	4.3 U	4.3 U	1.7 U	1.7 U	**1.6 J**	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	3.5 U
Xylene, o-	2.5	**30.8**	**6.4**	**9.8**	2.1 U	2.2 U	0.87 U	0.87 U	**0.69 J**	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	1.7 U
Other VOCs (ug/m^3)															
Acetaldehyde	NE	NA	**4.4 J**	**100 J**	**150**	**28**	1.8 U	**3.5 J**	**48**	1.8 UJ	1.8 UJ	2.7 U	3.9 U	4.5 U	**4.7 J**
Acetone	58	**218.5**	**74**	**24 J**	**19 J**	**7.5**	0.47 U	1.9 U	**21**	**2.8 J**	**2.1**	2.5 U	1.8 U	2.5 U	4.8 UJ
Acrolein (propenal)	NE	NA	0.96 U	2.4 U	1.1 UJ	1.2 U	0.46 U	1.2 U	**0.32 J**	0.46 U	0.46 U	0.46 U	0.46 U	**0.33 J**	2.3 U
Allyl chloride	NE	10 U	1.3 U	1.3 U	1.5 U	1.6 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	1.2 U
Benzothiophene	NE	NA	12 UJ	5.6 U	2.7 U	2.7 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
Bromodichloromethane	NE	5.4 U	2.8 U	2.8 U	3.3 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	1.3 U	2.7 U
Bromoform	NE	8.3 U	4.3 U	4.2 U	5.1 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	2.1 U	4.1 U
Bromomethane	0.9	3.1 U	1.6 U	1.6 U	1.9 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	1.6 U
Butadiene, 1,3-	NE	**11.7**	**0.70 J**	0.91 U	1.1 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	0.44 U	0.88 U
Butane	NE	NA	**23**	**0.77 J**	**2.8**	1.2 U	**1.8**	**0.67**	**2.0**	**2.2 J**	0.48 UJ	**1.4**	0.48 U	0.48 U	0.95 U
Butanone, 2-	17	**29.5**	**7.5**	**12**	**5.3**	**2.4**	0.59 U	1.5 U	**1.5**	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	1.2 U
Carbon disulfide	NE	**13.1**	**6.5**	**6.1 J**	**5.5**	**3.7**	**0.50 J**	1.2 U	**3.4**	**1.9**	**1.9**	**0.84**	**1.8**	**5.2**	**2.3**
Carbon tetrachloride	1	5 U	2.6 U	2.6 UJ	3.1 U	3.1 U	**0.38 J**	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	2.5 U
Chlorobenzene	<0.25	3.7 U	1.9 U	1.9 U	2.3 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	1.8 U
Chloroethane	0.4	2.1 U	1.1 U	1.1 U	1.3 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	1.0 U
Chloroform	0.5	3.9 U	**3.6**	**1.4 J**	**1.6 J**	**0.73 J**	**0.34 J**	**0.54 J**	**1.4**	**0.83 J**	**0.59 J**	0.98 U	**0.54 J**	**0.51 J**	**1.2 J**
Chloromethane	4.6	6.6 U	**0.74 J**	**0.64 J**	**0.45 J**	1.0 U	0.41 U	**0.11 J**	0.41 U	0.41 U	0.41 U	**0.15 J**	0.41 U	0.41 U	0.83 U
Chlorotoluene, 2-	NE	NA	2.2 U	2.1 U	2.6 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	2.1 U
Cryofluorane	1.3	5.6 U	2.9 U	2.9 U	3.4 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	1.4 U	2.8 U
Cyclohexane	3	2.8 U	**31**	**28**	**1.6 J**	1.7 U	**0.34 J**	**0.26 J**	**0.31 J**	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	1.4 U
Decane, n-	3.6	NA	**2.4**	**13**	2.9 U	2.9 U	1.2 U	1.2 U	**58**	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	2.3 U
Dibromochloromethane	NE	6.8 U	3.6 U	3.5 U	4.2 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	3.4 U
Dibromoethane, 1,2-	<0.25	6.1 U	3.2 U	3.2 U	3.8 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	3.1 U
Dichlorobenzene, 1,2-	0.9	4.8 U	2.5 U	2.5 U	3 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	2.4 U
Dichlorobenzene, 1,3-	0.7	4.8 U	2.5 U	2.5 U	3 U	3.0 U	1.2 U	1.2 U	**4.8**	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	2.4 U
Dichlorobenzene, 1,4-	0.8	4.8 U	2.5 UJ	**5**	**1.6 J**	**1.0 J**	1.2 U	**0.49 J**	**0.72 J**	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	2.4 U
Dichlorodifluoromethane	11	4 U	**2.5**	**2.8**	**2.5**	**2.7**	**2.9**	**1.9**	**2.4**	**2.8**	**2.7**	**2.9**	**2.7**	**1.4**	**2.4**
Dichloroethane, 1,1-	<0.25	3.2 U	1.7 U	1.7 U	2 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	1.6 U
Dichloroethane, 1,2-	<0.25	3.2 U	1.7 U	1.7 U	2 U	2.0 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	1.6 U
Dichloroethene, 1,1-	<0.25	3.2 U	1.7 U	1.6 U	2 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	1.6 U
Dichloroethene, cis-1,2-	<0.25	3.2 U	1.7 U	1.6 U	2 U	2.0 U	0.79 U	0.79 U	0.79 U	**0.91**	0.79 U	0.79 U	**0.59 J**	0.79 U	1.6 U
Dichloropropane, 1,2-	<0.25	3.7 U	1.9 U	1.9 U	2.3 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	1.8 U
Dichloropropene, cis-1,3	<0.25	3.6 U	1.9 U	1.9 U	2.2 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	1.8 U
Dichloropropene, trans-1,3	<0.25	3.6 U	1.9 U	1.9 U	2.2 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	1.8 U
Dioxane, 1,4-	NE	11.5 U	3.8 U	1.5 U	1.8 U	1.8 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
Dodecane, n-	7.6	NA	**0.73 J**	**30**	**1.6 J**	3.5 U	**1.6**	**1.2 J**	**31 J**	**0.49 J**	**1.7**	1.4 U	**0.70 J**	**1.1 J**	2.8 UJ
Ethanol	220	**111.2**	**85**	**4.9**	**20**	**16**	2.3 U	**15**	**1.8 J**	**0.53 J**	1.9 U	**1.0 J**	**0.60 J**	1.9 U	3.8 U
Ethylthiophene, 2-	NE	NA	1.9 U	1.9 U	2.3 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	1.8 U
Ethyltoluene, p-	NE	**25.6**	**1.1 J**	**1.9 J**	2.4 U	2.5 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
Heptane, n-	5.1	**18**	**8.1**	1.7 U	2 U	2.0 U	0.82 U	0.82 U	**1.3 J**	0.82 U	0.82 U	0.82 U	**0.53 J**	0.82 U	1.6 U
Hexachlorobutadiene	7	34.1 UJ	4.5 UJ	4.4 U	5.2 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 U	4.3 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-01 9/7/2006	OU2SG-01 2/22/2007	OU2SG-01 5/24/2007	OU2SG-01 7/25/2007	OU2SG-01 9/19/2007	OU2SG-01 12/18/2007	OU2SG-01 3/26/2008	OU2SG-01 6/24/2008	OU2SG-01 9/24/2008	Duplicate of OU2SG-01 9/24/2008	OU2SG-01 12/29/2008	OU2SG-01 3/23/2009	OU2SG-01 6/17/2009	OU2SG-01 9/22/2009
Hexane, n-	3.6	**20.4**	**280**	**13**	**0.83 J**	**5.3**	**0.18 J**	0.70 U	**0.92**	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	1.4 U
Hexanone, 2-	NE	13.1 U	4.3 U	1.7 U	**0.54 J**	2.0 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	1.6 U
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	15.5 U	**1.0 J**	**2**	2.4 U	2.4 U	0.97 U	0.97 U	**0.63 J**	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	1.9 U
Indene	NE	15.2 U	2.0 U	2 U	2.3 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	1.9 U
Isopropyl benzene	0.4	3.9 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	5.9	2.9 U	1.5 U	1.5 U	1.8 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	1.4 U
Methyl-2-pentanone, 4-	2.9	3.3 U	**1.4 J**	1.7 U	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	1.6 U
Methylene chloride	2.9	2.8 U	**5.0 J**	**27**	1.7 U	**11**	0.69 U	1.7 U	1.7 U	1.3 U	0.69 U	2.9 U	1.7 U	1.7 U	3.5 U
Methylnaphthalene, 1-	NE	NA	30 U	30 U	2.9 U	2.9 U	14 UJ	1.2 U	2.9 UJ	1.2 UJ	1.2 UJ	5.8 UJ	2.9 UJ	1.2 U	2.3 UJ
Methylnaphthalene, 2-	NE	NA	30 U	12 U	36 UJ	2.9 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
Methylthiophene, 2-	NE	NA	1.7 U	1.6 U	2 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	1.6 U
Methylthiophene, 3-	NE	NA	1.7 U	1.6 U	2 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	1.6 U
Naphthalene	10	16.8 U	5.5 U	**2.3**	2.6 U	2.6 U	1.0 U	1.0 UJ	**1.0 J**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.1 U
Nonane	1.2	NA	**2.8**	**2.2**	2.6 U	2.6 U	1.0 U	1.0 U	**1.2**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.1 U
Octane, n-	2.1	NA	**3.0**	1.9 U	2.3 U	2.3 U	0.93 U	0.93 U	**220**	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	1.9 U
Pentane	NE	NA	**20**	1.2 U	**2.3**	**0.44 J**	**0.86**	0.59 UJ	**1.7**	0.59 U	0.59 U	**0.81**	0.59 U	0.59 U	1.2 U
Propanol, 2-	NE	**8.8**	**7.4**	**2 J**	**5.1**	**0.74 J**	0.49 U	1.2 U	1.2 UJ	0.49 U	0.49 U	1.2 U	1.2 U	1.2 U	**1.7 J**
Propylbenzene, n-	0.5	**6.4**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.6	**4.1**	1.8 U	1.8 U	2.1 U	2.1 U	0.85 U	0.85 U	**0.47 J**	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	1.7 U
t-Butyl alcohol	NE	NA	1.3 U	1.2 U	**0.97 J**	1.5 U	0.61 U	0.61 U	**0.27 J**	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	1.2 U
Tetrachloroethane, 1,1,2,2-	<0.25	5.5 U	2.9 U	2.8 U	3.4 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	1.4 U	2.7 U
Tetrachloroethene	1.6	**19**	**9.4**	**10**	**0.88 J**	**0.85 J**	1.4 U	**0.44 J**	**4.5**	**5.2**	**0.61 J**	1.4 U	**0.41 J**	1.4 U	2.7 U
Tetrahydrofuran	0.4	**2.7**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	NA	2.3 U	**4.2 J**	14 U	2.7 U	1.1 U	1.1 U	**3.2 J**	1.1 U	1.1 U	1.1 U	2.7 U	1.1 U	2.2 U
Thiophene	NE	NA	1.4 U	1.4 U	1.7 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	1.4 U
Trans-1,2-dichloroethene	NE	3.2 U	1.7 U	1.6 U	2 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	1.6 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	6.1 U	3.2 U	3.1 U	3.8 U	3.8 U	**0.61 J**	**0.39 J**	**0.54 J**	**0.54 J**	**0.46 J**	**0.62 J**	**0.46 J**	1.5 U	3.1 U
Trichlorobenzene, 1,2,4-	4.8	23.7 UJ	3.1 UJ	3 U	3.6 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	3.0 U
Trichloroethane, 1,1,1-	0.7	4.4 U	2.3 U	2.2 UJ	2.7 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	2.2 U
Trichloroethane, 1,1,2-	<0.25	4.4 U	2.3 U	2.2 U	2.7 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	2.2 U
Trichloroethene	0.5	4.3 U	**0.90 J**	2.2 U	2.6 U	2.7 U	1.1 U	1.1 U	1.1 U	**21 J**	1.1 UJ	1.1 U	**0.54 J**	1.1 U	2.2 U
Trichlorofluoromethane	6.1	4.5 U	**1.3 J**	**1.7 J**	**1.3 J**	**1.4 J**	**1.4**	**0.95 J**	**1.4**	**1.4**	**1.4**	**1.5**	**1.4**	**1.3**	**1.6 J**
Trimethylbenzene, 1,2,3-	0.6	NA	**2.0 J**	**3.6**	2.4 U	2.5 U	0.98 U	0.98 U	**2.9**	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	2.0 U
Trimethylbenzene, 1,2,4-	2.5	**28.5 J**	**4.5**	**15 J**	2.4 U	2.5 U	0.98 U	0.98 U	**0.74 J**	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	2.0 U
Trimethylbenzene, 1,3,5-	1	**8.4**	**1.6 J**	**3.4**	2.4 U	2.5 U	0.98 U	0.98 U	**1.5**	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	2.0 U
Trimethylpentane, 2,2,4-	2	**453.2**	**6.9 J**	1.9 U	2.3 U	2.3 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
Undecane, n-	2.3	NA	**2.4 J**	**12**	3.1 U	3.2 U	**0.64 J**	**0.46 J**	**12**	1.3 U	**0.83 J**	1.3 U	**0.51 J**	**0.82 J**	2.6 U
Vinyl bromide	NE	NA	1.8 U	1.8 U	2.2 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	1.8 U
Vinyl chloride	<0.25	2 U	1.1 U	1 U	1.3 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	1.0 U
Other (%)															
Carbon Dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NE	NA	NA	NA	NA	NA	NA	NA	NA	**0.297**	**0.284**	**0.773**	**0.061**	**0.458**	**0.03**

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-01 12/30/2009	OU2SG-01 3/25/2010	OU2SG-01 6/8/2010	OU2SG-01 9/21/2010	Duplicate of: OU2SG-01 9/21/2010	OU2SG-02 7/21/2004	OU2SG-02 10/13/2004	OU2SG-02 5/5/2005	OU2SG-02 8/30/2005	OU2SG-02 2/1/2006	OU2SG-02 6/14/2006	OU2SG-02 9/7/2006	OU2SG-02 2/22/2007	OU2SG-02 5/24/2007
BTEX (ug/m^3)															
Benzene	5.8	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	**3.5**	**2.8**	**2.4**	**5.8**	**7.3**	16 U	**13.4**	**1.2 J**	1.3 U
Toluene	21	1.5 U	1.5 U	1.5 U	1.5 U	**0.90 J**	**35.8**	**27.1**	**22.6**	**75.4**	**64.1**	**60.3**	**113.1**	**15**	**190**
Ethylbenzene	1.9	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	**10**	**6.5**	**5.6**	**18.7**	**23**	21.7 U	**41.7**	**2.3**	**3.2**
Xylene, m,p-	3.1	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	**31.7**	**27.4**	**18.2**	**69.5**	**43.4**	**42.6**	**95.5**	**5.8**	**5.4**
Xylene, o-	2.5	1.7 U	1.7 U	1.7 U	1.7 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/m^3)															
Acetaldehyde	NE	9.0 U	**2.7 J**	**6.4 J**	**3.9 J**	**14**	NA	**11.9**	NA	NA	NA	NA	NA	**0.66 J**	**140 J**
Acetone	58	**1.2 J**	**1.6 J**	**2.4 J**	**4.6 JB**	**8.5 J**	**87.9**	**99.8**	**223.3**	**204.3**	**52.3**	**902.7**	**235.2**	**8.9**	**57 J**
Acrolein (propenal)	NE	2.3 UJ	2.3 U	2.3 U	2.3 U	2.3 U	NA	NA	NA	NA	NA	NA	NA	1.0 U	2.3 U
Allyl chloride	NE	1.2 U	1.2 U	1.2 U	1.2 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	NE	2.2 U	2.2 U	5.5 U	5.5 U	5.5 U	NA	NA	NA	NA	NA	NA	NA	13 UJ	5.4 U
Bromodichloromethane	NE	2.7 U	2.7 U	2.7 U	2.7 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	NE	4.1 U	4.1 U	4.1 U	4.1 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	0.9	1.6 U	1.6 U	1.6 U	1.6 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-	NE	0.88 U	0.88 U	0.88 U	0.88 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	NE	**0.86 J**	**0.48 J**	0.95 U	0.95 U	**0.71 J**	NA	NA	NA	NA	NA	NA	NA	**3.4**	**1**
Butanone, 2-	17	1.2 U	1.2 U	1.2 U	1.2 U	**0.94 J**	**5.6**	**12.4**	**10.3**	**9.7**	**6.2**	**18.6**	**13.3**	**1.5 J**	**19**
Carbon disulfide	NE	**0.56 J**	1.6 U	**2.2**	**1.1 J**	**1.1 J**	**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	2.5 U	2.5 U	2.5 U	2.5 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	<0.25	1.8 U	1.8 U	1.8 U	1.8 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	0.4	1.0 U	1.0 U	1.0 U	1.0 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	0.5	2.0 U	2.0 U	**1.1 J**	**5.6**	**5.3**	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	4.6	0.83 U	0.83 U	0.83 U	0.83 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-	NE	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	NA	NA	NA	NA	NA	NA	NA	2.4 U	2 U
Cryofluorane	1.3	2.8 U	2.8 U	2.8 U	2.8 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	3	1.4 UJ	1.4 U	**0.41 J**	1.4 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-	3.6	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	NA	NA	NA	NA	NA	NA	NA	**1.5 J**	**5.2**
Dibromochloromethane	NE	3.4 U	3.4 U	3.4 U	3.4 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-	<0.25	3.1 U	3.1 U	3.1 U	3.1 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-	0.9	2.4 U	2.4 U	2.4 U	2.4 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-	0.7	2.4 U	2.4 U	2.4 U	2.4 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-	0.8	2.4 U	2.4 U	2.4 U	2.4 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	11	**2.8**	**2.8**	**2.2**	**2.7**	**2.7**	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-	<0.25	1.6 U	1.6 U	1.6 U	1.6 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-	<0.25	1.6 U	1.6 U	1.6 U	1.6 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-	<0.25	1.6 U	1.6 U	1.6 U	1.6 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-	<0.25	1.6 U	1.6 U	1.6 U	1.6 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-	<0.25	1.8 UJ	1.8 U	1.8 U	1.8 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	<0.25	1.8 U	1.8 U	1.8 U	1.8 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	<0.25	1.8 U	1.8 U	1.8 U	1.8 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-	NE	1.4 UJ	1.4 U	1.4 U	1.4 U	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-	7.6	2.8 U	2.8 U	**1.4 J**	2.8 U	**1.5 J**	NA	NA	NA	NA	NA	NA	NA	3.2 U	**14**
Ethanol	220	3.8 U	3.8 U	**0.96 J**	**1.3 J**	**3.4 J**	**94.2**	5.5 U	**188.4 J**	**50.9**	**32**	**124.4**	**92.3**	**25**	**5.6**
Ethylthiophene, 2-	NE	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	NA	NA	NA	NA	NA	NA	NA	2.1 U	1.8 U
Ethyltoluene, p-	NE	2.0 U	2.0 U	2.0 U	2.0 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-	5.1	1.6 U	1.6 U	1.6 U	1.6 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	7	4.3 U	4.3 U	4.3 U	4.3 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

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-01 12/30/2009	OU2SG-01 3/25/2010	OU2SG-01 6/8/2010	OU2SG-01 9/21/2010	Duplicate of: OU2SG-01 9/21/2010	OU2SG-02 7/21/2004	OU2SG-02 10/13/2004	OU2SG-02 5/5/2005	OU2SG-02 8/30/2005	OU2SG-02 2/1/2006	OU2SG-02 6/14/2006	OU2SG-02 9/7/2006	OU2SG-02 2/22/2007	OU2SG-02 5/24/2007
Hexane, n-	3.6	1.4 U	1.4 U	1.4 U	1.4 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-	NE	1.6 U	1.6 U	1.6 U	1.6 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	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	NA	NA	NA	NA	NA	NA	15 U	2.2 U	1.9 U
Indene	NE	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	NA	NA	NA	NA	NA	NA	14.7 U	2.2 U	1.9 U
Isopropyl benzene	0.4	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	5.9	1.4 U	1.4 U	1.4 U	1.4 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-	2.9	1.6 UJ	1.6 U	1.6 U	1.6 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	2.9	**1.1 J**	3.5 U	**2.3 J**	6.9 U	6.9 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-	NE	2.3 U	5.8 U	5.8 U	5.8 U	5.8 U	NA	NA	NA	NA	NA	NA	NA	33 U	29 U
Methylnaphthalene, 2-	NE	2.3 U	5.8 U	5.8 U	5.8 U	5.8 U	NA	NA	NA	NA	NA	NA	NA	33 U	11 U
Methylthiophene, 2-	NE	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	NA	NA	NA	NA	NA	NA	NA	1.8 U	1.6 U
Methylthiophene, 3-	NE	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	NA	NA	NA	NA	NA	NA	NA	1.8 U	1.6 U
Naphthalene	10	2.1 U	2.1 U	2.1 U	2.1 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	1.2	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	NA	NA	NA	NA	NA	NA	NA	**1.7 J**	2.1 U
Octane, n-	2.1	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	NA	NA	NA	NA	NA	NA	NA	**1.9 J**	1.8 U
Pentane	NE	1.2 U	1.2 U	**1.5**	1.2 U	1.2 U	NA	NA	NA	NA	NA	NA	NA	**2.2**	1.2 U
Propanol, 2-	NE	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	7.1 U	7.1 U	**15.7**	**10.6**	7.4 U	**78.7**	**9.1**	**1.5**	**1.7 J**
Propylbenzene, n-	0.5	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	0.6	1.7 U	1.7 U	1.7 U	1.7 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	NE	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	NA	NA	NA	NA	NA	NA	NA	1.4 U	1.2 U
Tetrachloroethane, 1,1,2,2-	<0.25	2.7 U	2.7 U	2.7 U	2.7 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	1.6	2.7 U	**1.1 J**	2.7 U	2.7 U	2.7 U	**6.1**	**22.4**	5 U	**8.8**	**8.1**	**50.2**	**19**	**3.4**	**5.3**
Tetrahydrofuran	0.4	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-	NE	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	2.5 U	**5.4 J**
Thiophene	NE	1.4 UJ	1.4 U	1.4 U	1.4 U	1.4 U	NA	NA	NA	NA	NA	NA	NA	1.6 U	1.4 U
Trans-1,2-dichloroethene	NE	1.6 U	1.6 U	1.6 U	1.6 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-	3.6	3.1 U	3.1 U	3.1 U	3.1 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-	4.8	3.0 U	3.0 U	3.0 U	3.0 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-	0.7	2.2 U	2.2 U	2.2 U	2.2 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-	<0.25	2.2 U	2.2 U	2.2 U	2.2 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	0.5	2.2 U	2.2 U	2.2 U	2.2 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	6.1	**1.2 J**	**1.6 J**	**1.2 J**	**1.4 J**	**1.5 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-	0.6	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	NA	NA	NA	NA	NA	NA	NA	2.2 U	**2**
Trimethylbenzene, 1,2,4-	2.5	2.0 U	2.0 U	2.0 U	2.0 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-	1	2.0 U	2.0 U	2.0 U	2.0 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-	2	1.9 U	1.9 U	1.9 U	1.9 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-	2.3	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	NA	NA	NA	NA	NA	NA	NA	2.9 U	2.5 U
Vinyl bromide	NE	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	NA	NA	NA	NA	NA	NA	NA	2.0 U	1.7 U
Vinyl chloride	<0.25	1.0 U	1.0 U	1.0 U	1.0 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	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NE	**0.18**	**0.06**	**0.067**	**0.055**	**0.068**	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-02 7/25/2007	OU2SG-02 9/19/2007	OU2SG-02 12/18/2007	OU2SG-02 3/26/2008	OU2SG-02 6/24/2008	OU2SG-02 9/22/2008	OU2SG-02 9/24/2008	OU2SG-02 12/29/2008	OU2SG-02 3/23/2009	OU2SG-02 6/17/2009	OU2SG-02 9/22/2009	OU2SG-02 12/30/2009	OU2SG-02 3/25/2010	OU2SG-02 6/8/2010
BTEX (ug/m^3)															
Benzene	5.8	**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	1.3 U	1.3 U	1.3 U
Toluene	21	**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**	1.5 U	1.5 U	1.5 U
Ethylbenzene	1.9	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	1.7 U	1.7 U	1.7 U
Xylene, m,p-	3.1	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	3.5 U	3.5 U	3.5 U
Xylene, o-	2.5	**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	1.7 U	1.7 U	1.7 U
Other VOCs (ug/m^3)															
Acetaldehyde	NE	**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**	9.0 U	**5.7 J**	**6.8 J**
Acetone	58	**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	3.6 U	**1.6 J**	**2.8 J**
Acrolein (propenal)	NE	**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	2.3 UJ	2.3 U	2.3 U
Allyl chloride	NE	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	0.63 U	1.2 U	1.2 U	1.2 U	1.2 U
Benzothiophene	NE	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	2.2 U	2.2 U	5.5 U
Bromodichloromethane	NE	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	2.7 U	2.7 U	2.7 U
Bromoform	NE	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	4.1 U	4.1 U	4.1 U
Bromomethane	0.9	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	1.6 U	1.6 U	1.6 U
Butadiene, 1,3-	NE	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	0.88 U	0.88 U	0.88 U
Butane	NE	**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	**1.7**	**0.71 J**	0.95 U
Butanone, 2-	17	**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**	1.2 U	1.2 U	1.2 U
Carbon disulfide	NE	**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**	**3.5**	1.2 U	**1.3**
Carbon tetrachloride	1	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**	2.5 U	2.5 U	2.5 U
Chlorobenzene	<0.25	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	1.8 U	1.8 U	1.8 U
Chloroethane	0.4	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	1.0 U	1.0 U	1.0 U
Chloroform	0.5	**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	2.0 U	**0.88 J**	2.0 U
Chloromethane	4.6	**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	0.83 U	0.83 U	0.83 U
Chlorotoluene, 2-	NE	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	2.1 U	2.1 U	2.1 U
Cryofluorane	1.3	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	2.8 U	2.8 U	2.8 U
Cyclohexane	3	**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	1.4 UJ	1.4 U	1.4 U
Decane, n-	3.6	**4**	3.5 U	1.2 U	1.2 U	**58**	**26**	1.2 U	1.2 U	1.2 U	**4.9**	2.3 U	2.3 U	2.3 U	2.3 U
Dibromochloromethane	NE	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	3.4 U	3.4 U	3.4 U
Dibromoethane, 1,2-	<0.25	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	3.1 U	3.1 U	3.1 U
Dichlorobenzene, 1,2-	0.9	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	2.4 U	2.4 U	2.4 U
Dichlorobenzene, 1,3-	0.7	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	2.4 U	2.4 U	2.4 U
Dichlorobenzene, 1,4-	0.8	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	2.4 U	2.4 U	2.4 U
Dichlorodifluoromethane	11	**2.4 J**	**2.7 J**	**2.3**	**2.2**	**2.5**	**2.3**	**2.9**	**2.6**	**2.4**	**1.3**	**2.9**	**2.9**	**2.4**	**2.2**
Dichloroethane, 1,1-	<0.25	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	1.6 U	1.6 U	1.6 U
Dichloroethane, 1,2-	<0.25	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 UJ	0.81 U	1.6 U	1.6 U	1.6 U	1.6 U
Dichloroethene, 1,1-	<0.25	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	1.6 U	1.6 U	1.6 U
Dichloroethene, cis-1,2-	<0.25	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	1.6 U	1.6 U	1.6 U
Dichloropropane, 1,2-	<0.25	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	1.8 UJ	1.8 U	1.8 U
Dichloropropene, cis-1,3	<0.25	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	1.8 U	1.8 U	1.8 U
Dichloropropene, trans-1,3	<0.25	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	1.8 U	1.8 U	1.8 U
Dioxane, 1,4-	NE	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	1.4 UJ	1.4 U	1.4 U
Dodecane, n-	7.6	**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	**0.70 J**	2.8 U	2.8 U
Ethanol	220	**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	3.8 U	3.8 U	**1.0 J**
Ethylthiophene, 2-	NE	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	1.8 U	1.8 U	1.8 U
Ethyltoluene, p-	NE	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	2.0 U	2.0 U	2.0 U
Heptane, n-	5.1	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	1.6 U	1.6 U	1.6 U
Hexachlorobutadiene	7	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	4.3 U	4.3 U	4.3 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-02 7/25/2007	OU2SG-02 9/19/2007	OU2SG-02 12/18/2007	OU2SG-02 3/26/2008	OU2SG-02 6/24/2008	OU2SG-02 9/22/2008	OU2SG-02 9/24/2008	OU2SG-02 12/29/2008	OU2SG-02 3/23/2009	OU2SG-02 6/17/2009	OU2SG-02 9/22/2009	OU2SG-02 12/30/2009	OU2SG-02 3/25/2010	OU2SG-02 6/8/2010
Hexane, n-	3.6	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**	1.4 U	1.4 U	1.4 U
Hexanone, 2-	NE	**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	1.6 U	1.6 U	1.6 U
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	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	1.9 U	1.9 U	1.9 U
Indene	NE	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	1.9 U	1.9 U	1.9 U
Isopropyl benzene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	5.9	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	1.4 U	1.4 U	1.4 U
Methyl-2-pentanone, 4-	2.9	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	1.6 UJ	1.6 U	1.6 U
Methylene chloride	2.9	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	**0.90 J**	3.5 U	**2.1 J**
Methylnaphthalene, 1-	NE	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	2.3 U	5.8 U	5.8 U
Methylnaphthalene, 2-	NE	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	2.3 U	5.8 U	5.8 U
Methylthiophene, 2-	NE	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	1.6 U	1.6 U	1.6 U
Methylthiophene, 3-	NE	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	1.6 U	1.6 U	1.6 U
Naphthalene	10	**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	2.1 U	2.1 U	2.1 U
Nonane	1.2	**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	2.1 U	2.1 U	2.1 U
Octane, n-	2.1	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	1.9 U	1.9 U	1.9 U
Pentane	NE	**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**	1.2 U	1.2 U	1.2 U
Propanol, 2-	NE	**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**	2.5 U	2.5 U	2.5 U
Propylbenzene, n-	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.6	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	1.7 U	1.7 U	1.7 U
t-Butyl alcohol	NE	**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**	1.2 U	1.2 U	1.2 U
Tetrachloroethane, 1,1,2,2-	<0.25	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	2.7 U	2.7 U	2.7 U
Tetrachloroethene	1.6	**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	2.7 U	2.7 U	**0.94 J**
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	**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	2.2 U	2.2 U	2.2 U
Thiophene	NE	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	1.4 UJ	1.4 U	1.4 U
Trans-1,2-dichloroethene	NE	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	1.6 U	1.6 U	1.6 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	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**	3.1 U	3.1 U	3.1 U
Trichlorobenzene, 1,2,4-	4.8	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	3.0 U	3.0 U	3.0 U
Trichloroethane, 1,1,1-	0.7	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	2.2 U	2.2 U	2.2 U
Trichloroethane, 1,1,2-	<0.25	**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	2.2 U	2.2 U	2.2 U
Trichloroethene	0.5	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	2.2 U	2.2 U	2.2 U
Trichlorofluoromethane	6.1	**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**	**1.2 J**	**1.4 J**	**1.2 J**
Trimethylbenzene, 1,2,3-	0.6	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	2.0 U	2.0 U	2.0 U
Trimethylbenzene, 1,2,4-	2.5	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	2.0 U	2.0 U	2.0 U
Trimethylbenzene, 1,3,5-	1	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	2.0 U	2.0 U	2.0 U
Trimethylpentane, 2,2,4-	2	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	1.9 U	1.9 U	1.9 U
Undecane, n-	2.3	**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	2.6 U	2.6 U	2.6 U
Vinyl bromide	NE	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	1.8 U	1.8 U	1.8 U
Vinyl chloride	<0.25	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	1.0 U	1.0 U	1.0 U
Other (%)															
Carbon Dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NE	NA	NA	NA	NA	NA	0.0255 U	**0.301**	**0.19**	**0.022**	**0.074**	**0.049**	**0.109**	**0.13**	**0.034**

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-02 9/21/2010	OU2SG-03 7/21/2004	OU2SG-03 10/13/2004	OU2SG-03 5/5/2005	OU2SG-03 8/30/2005	OU2SG-03 2/1/2006	OU2SG-03 6/14/2006	OU2SG-03 9/7/2006	OU2SG-03 2/22/2007	OU2SG-03 5/24/2007	OU2SG-03 9/18/2007	OU2SG-03 12/18/2007	OU2SG-03 3/26/2008	OU2SG-03 6/24/2008
BTEX (ug/m^3)															
Benzene	5.8	1.3 U	**5.4**	**2.6**	**6.4**	**7**	**10.2**	21.1 U	**17.9**	1.4 U	**1.3**	**1.7**	0.64 U	0.64 U	**0.22 J**
Toluene	21	**1.4 J**	**33.9**	**27.1**	**45.2**	**94.2**	**52.8**	**56.5**	**135.7**	**2.6**	**640**	**810**	**40**	**130**	**140**
Ethylbenzene	1.9	1.7 U	**10**	**5.2**	**6.9**	**23.4**	**18.7**	28.7 U	**37.3**	**0.74 J**	**5**	**5.6**	**0.69 J**	**1.8**	**2.0**
Xylene, m,p-	3.1	3.5 U	**36**	**24.8**	**15.6**	**95.5**	**47.8**	**37.3**	**121.6**	**2.9 J**	**15**	**17**	**2.9**	**7.3**	**6.4**
Xylene, o-	2.5	1.7 U	**13.5**	**7.4**	**6.1**	**33**	**12.6**	28.7 U	**35.2**	**1.0 J**	**4.6**	**5.3**	**1.3**	**3.0**	**4.8**
Other VOCs (ug/m^3)															
Acetaldehyde	NE	**9.7**	NA	**19.8**	NA	NA	NA	NA	NA	0.76 UJ	**72 J**	**55**	4.5 U	**9.0**	**15**
Acetone	58	**7.1 JB**	**90.3**	**128.3**	**855.2 EJ**	**522.6**	**87.9**	**1092.7**	**475.1**	**8.6**	**62 J**	**7.0**	1.0 U	**6.6 J**	**7.4**
Acrolein (propenal)	NE	2.3 U	NA	NA	NA	NA	NA	NA	NA	0.97 U	**0.81 J**	1.1 U	0.46 U	**0.38 J**	**0.21 J**
Allyl chloride	NE	1.2 U	9.4 U	9.4 U	10 U	9.7 U	9.1 U	81.4 U	9.4 U	1.3 U	1.3 U	1.5 U	0.63 U	0.63 U	0.63 UJ
Benzothiophene	NE	5.5 U	NA	NA	NA	NA	NA	NA	NA	12 UJ	5.5 U	32 U	1.1 U	1.1 U	1.1 U
Bromodichloromethane	NE	2.7 U	5.1 U	5.1 U	5.3 U	5.2 U	4.9 U	44.2 U	5 U	2.8 U	2.7 U	3.1 U	1.3 U	1.3 U	1.3 U
Bromoform	NE	4.1 U	7.9 U	7.9 U	8.2 U	8.1 U	7.5 U	68.2 U	7.6 U	4.4 U	4.2 U	4.8 U	2.1 U	2.1 U	2.1 U
Bromomethane	0.9	1.6 U	3 U	3 U	3.1 U	3 U	2.8 U	25.6 U	2.9 U	1.6 U	1.6 U	1.8 U	0.78 U	0.78 U	0.78 U
Butadiene, 1,3-	NE	0.88 U	1.7 U	1.7 U	**5.3**	**2.2**	1.6 U	14.6 U	**7.7**	0.94 U	0.89 U	1.0 U	0.44 U	0.44 U	0.44 U
Butane	NE	**0.48 J**	NA	NA	NA	NA	NA	NA	NA	**1.3**	**0.57 J**	1.1 U	0.48 U	0.48 U	**0.17 J**
Butanone, 2-	17	**0.88 J**	**15**	**12.4**	**35.4**	**16.8**	**8.8**	**24.5**	**20.1**	**1.2 J**	**7.6**	1.4 U	0.59 U	**1.5**	**1.2**
Carbon disulfide	NE	**0.56 J**	**5.9**	**24.9**	**2.5**	**3.7**	**4.7**	**20.9**	**8.1**	**1.2 J**	**4.1 J**	**12**	**0.50 J**	**1.8**	**12**
Carbon tetrachloride	1	2.5 U	4.8 U	4.8 U	5 U	4.9 U	4.6 U	41.5 U	4.7 U	2.7 U	2.5 UJ	2.9 U	1.3 U	1.3 U	1.3 U
Chlorobenzene	<0.25	1.8 U	3.5 U	3.5 U	3.6 U	3.6 U	3.4 U	30.4 U	3.4 U	2.0 U	1.9 U	2.2 U	0.92 U	0.92 U	0.92 U
Chloroethane	0.4	1.0 U	2 U	2 U	2.1 U	2.1 U	1.9 U	17.4 U	2 U	1.1 U	1.1 U	1.2 U	0.53 U	0.53 U	0.53 U
Chloroform	0.5	2.0 U	3.7 U	3.7 U	3.9 U	3.8 U	3.6 U	32.2 U	3.6 U	**0.62 J**	**2.2**	**0.68 J**	**0.34 J**	**0.89 J**	**1.8**
Chloromethane	4.6	0.83 U	6.2 U	6.2 U	6.6 U	6.4 U	6 U	53.7 U	6.2 U	0.87 U	0.83 U	0.97 U	0.41 U	**0.11 J**	0.41 U
Chlorotoluene, 2-	NE	2.1 U	NA	NA	NA	NA	NA	NA	NA	2.2 U	2.1 U	2.4 U	1.0 U	1.0 U	1.0 U
Cryofluorane	1.3	2.8 U	5.3 U	5.3 U	5.5 U	5.5 U	5.1 U	46.1 U	5.2 U	3.0 U	2.8 U	3.3 U	1.4 U	1.4 U	1.4 U
Cyclohexane	3	1.4 U	**134.2**	**10**	2.7 U	**6.5**	2.5 U	22.7 U	2.5 U	1.5 U	**67**	**140**	**1.3**	**17**	**36**
Decane, n-	3.6	2.3 U	NA	NA	NA	NA	NA	NA	NA	2.5 U	**11**	**28**	1.2 U	1.2 UJ	**49**
Dibromochloromethane	NE	3.4 U	6.5 U	6.5 U	6.7 U	6.6 U	6.2 U	56.2 U	6.3 U	3.6 U	3.4 U	4.0 U	1.7 U	1.7 U	1.7 U
Dibromoethane, 1,2-	<0.25	3.1 U	5.8 U	5.8 U	6.1 U	6 U	5.6 U	50.7 U	5.7 U	3.3 U	3.1 U	3.6 U	1.5 U	1.5 U	1.5 U
Dichlorobenzene, 1,2-	0.9	2.4 U	4.6 U	4.6 U	4.7 U	4.7 U	4.4 U	39.7 U	4.4 U	2.6 U	2.4 U	2.8 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,3-	0.7	2.4 U	4.6 U	4.6 U	**5.9**	4.7 U	4.4 U	39.7 U	4.4 U	2.6 U	2.4 U	2.8 U	1.2 U	1.2 U	**4.8**
Dichlorobenzene, 1,4-	0.8	2.4 U	4.6 U	4.6 U	4.7 U	4.7 U	4.4 U	39.7 U	4.4 U	2.6 UJ	**1.9 J**	**1.4 J**	**0.42 J**	**0.99 J**	**0.90 J**
Dichlorodifluoromethane	11	**2.7**	3.8 U	**7.4**	3.9 U	3.9 U	**3.7**	32.6 U	3.7 U	**2.7**	**2.7**	**2.5**	**2.6**	**2.4**	**2.5**
Dichloroethane, 1,1-	<0.25	1.6 U	3.1 U	3.1 U	3.2 U	3.2 U	3 U	26.7 U	3 U	1.7 U	1.6 U	1.9 U	0.81 U	0.81 U	0.81 U
Dichloroethane, 1,2-	<0.25	1.6 U	3.1 U	3.1 U	3.2 U	3.2 U	3 U	26.7 U	3 U	1.7 U	1.6 U	1.9 U	0.81 U	0.81 U	0.81 U
Dichloroethene, 1,1-	<0.25	1.6 U	3 U	3 U	3.1 U	3.1 U	2.9 U	26.2 U	2.9 U	1.7 U	1.6 U	1.8 U	0.79 U	0.79 U	0.79 U
Dichloroethene, cis-1,2-	<0.25	1.6 U	3 U	3 U	3.1 U	3.1 U	2.9 U	26.2 U	2.9 U	1.7 U	1.6 U	1.8 U	0.79 U	**0.79**	0.79 U
Dichloropropane, 1,2-	<0.25	1.8 U	3.5 U	3.5 U	3.7 U	3.6 U	3.4 U	30.5 U	3.4 U	2.0 U	1.9 U	2.2 U	0.92 U	0.92 U	0.92 U
Dichloropropene, cis-1,3	<0.25	1.8 U	3.4 U	3.4 U	3.6 U	3.5 U	3.3 U	30 U	3.4 U	1.9 U	1.8 U	2.1 U	0.91 U	0.91 U	0.91 U
Dichloropropene, trans-1,3	<0.25	1.8 U	3.4 U	3.4 U	3.6 U	3.5 U	3.3 U	30 U	3.4 U	1.9 U	1.8 U	2.1 U	0.91 U	0.91 U	0.91 U
Dioxane, 1,4-	NE	1.4 U	10.8 U	10.8 U	11.5 U	11.2 U	10.5 U	93.7 U	10.8 U	3.8 U	1.4 U	1.7 U	1.8 U	0.72 U	0.72 U
Dodecane, n-	7.6	2.8 U	NA	NA	NA	NA	NA	NA	NA	**0.74 J**	**23**	**1.8 J**	**1.0 J**	**2.9**	**37 J**
Ethanol	220	**3.0 J**	**82.9**	**7**	**433.4**	**52.8**	**22.6**	**120.6**	**52.8**	**15**	**5.7**	**19**	2.4 U	**2.5 J**	**0.94 J**
Ethylthiophene, 2-	NE	1.8 U	NA	NA	NA	NA	NA	NA	NA	1.9 U	1.8 U	2.2 U	0.92 U	0.92 U	0.92 U
Ethyltoluene, p-	NE	2.0 U	**8.8**	**7.9**	3.9 U	**33.4**	**7.4 J**	32.4 U	**49.2**	2.1 U	2 U	2.3 U	0.98 U	**0.27 J**	**0.64 J**
Heptane, n-	5.1	1.6 U	**65.6**	**3.7**	**4.9**	**11.5**	**5.3**	27 U	**12.7**	1.7 U	**4.1**	**3.3**	0.82 U	**0.32 J**	**0.94 J**
Hexachlorobutadiene	7	4.3 U	32 U	32 U	34.1 U	33.1 U	30.9 U	277.3 U	32 UJ	4.5 UJ	4.3 U	5.0 U	2.1 U	2.1 U	2.1 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-02 9/21/2010	OU2SG-03 7/21/2004	OU2SG-03 10/13/2004	OU2SG-03 5/5/2005	OU2SG-03 8/30/2005	OU2SG-03 2/1/2006	OU2SG-03 6/14/2006	OU2SG-03 9/7/2006	OU2SG-03 2/22/2007	OU2SG-03 5/24/2007	OU2SG-03 9/18/2007	OU2SG-03 12/18/2007	OU2SG-03 3/26/2008	OU2SG-03 6/24/2008
Hexane, n-	3.6	1.4 U	**4.2**	**4.6**	**7.4**	**10.2**	**6.7**	23.3 U	**12.3**	**0.75 J**	**160**	**170**	**0.32 J**	**6.4**	**8.8**
Hexanone, 2-	NE	1.6 U	12.3 U	12.3 U	13.1 U	12.7 U	11.9 U	106.5 U	12.3 U	4.3 U	1.6 U	1.9 U	0.82 U	**0.35 J**	0.82 U
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	1.9 U	NA	NA	NA	NA	NA	NA	14.5 U	2.0 U	2 U	2.3 U	0.97 U	**0.24 J**	**0.72 J**
Indene	NE	1.9 U	NA	NA	NA	NA	NA	NA	14.3 U	2.0 U	1.9 U	2.2 U	0.95 U	0.95 U	0.95 U
Isopropyl benzene	0.4	NA	3.7 U	3.7 U	3.9 U	3.8 U	3.6 U	32.4 U	**3.6 J**	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	5.9	1.4 U	2.7 U	2.7 U	2.8 U	**22.7**	2.6 U	23.8 U	2.7 U	1.5 U	1.5 U	1.7 U	0.72 U	0.72 U	0.72 U
Methyl-2-pentanone, 4-	2.9	1.6 U	**7.4**	3.1 U	3.2 U	3.2 U	3 U	27 U	3 U	1.7 U	**2.5**	1.9 U	0.82 U	0.82 U	0.82 U
Methylene chloride	2.9	**3.3 J**	2.6 UJ	2.6 U	2.7 U	2.7 U	2.5 U	22.9 U	2.6 U	**28**	**24**	**12**	0.69 U	1.7 U	1.7 U
Methylnaphthalene, 1-	NE	5.8 U	NA	NA	NA	NA	NA	NA	NA	31 U	29 U	14 U	14 UJ	1.2 U	2.9 UJ
Methylnaphthalene, 2-	NE	5.8 U	NA	NA	NA	NA	NA	NA	NA	31 U	12 U	34 U	14 U	1.2 U	2.9 UJ
Methylthiophene, 2-	NE	1.6 U	NA	NA	NA	NA	NA	NA	NA	1.7 U	1.6 U	1.9 U	0.80 U	0.80 U	0.80 U
Methylthiophene, 3-	NE	1.6 U	NA	NA	NA	NA	NA	NA	NA	1.7 U	1.6 U	1.9 U	0.80 U	0.80 U	0.80 U
Naphthalene	10	2.1 U	**11**	15.7 U	16.8 UJ	16.3 U	15.2 U	136.3 UJ	15.7 U	5.6 U	**1.4 J**	**2.0 J**	**0.37 J**	**1.1 J**	**1.1**
Nonane	1.2	2.1 U	NA	NA	NA	NA	NA	NA	NA	**0.78 J**	**3.1**	**1.8 J**	1.0 U	1.0 U	**0.84 J**
Octane, n-	2.1	1.9 U	NA	NA	NA	NA	NA	NA	NA	2.0 U	**1.1 J**	**1.3 J**	0.93 U	0.93 U	**180**
Pentane	NE	**4.1**	NA	NA	NA	NA	NA	NA	NA	1.2 U	1.2 U	1.4 U	0.59 U	0.59 UJ	**0.50 J**
Propanol, 2-	NE	2.5 U	**7.4**	7.4 U	**36.9**	**9.3**	7.1 U	**172.1**	7.4 U	**1.0**	**5.7**	**1.1 J**	0.49 U	1.2 U	1.3 UJ
Propylbenzene, n-	0.5	NA	3.7 U	3.7 U	3.9 U	**6.9**	3.6 U	32.4 U	**12.3**	NA	NA	NA	NA	NA	NA
Styrene	0.6	1.7 U	3.2 U	3.2 U	3.4 U	**3.7**	3.1 U	28.1 U	**3.3**	1.8 U	1.7 U	**0.60 J**	0.85 U	**0.36 J**	**0.72 J**
t-Butyl alcohol	NE	1.2 U	NA	NA	NA	NA	NA	NA	NA	1.3 U	1.2 U	**0.50 J**	0.61 U	**0.33 J**	**0.76**
Tetrachloroethane, 1,1,2,2-	<0.25	2.7 U	5.2 U	5.2 U	5.4 U	5.4 U	5 U	45.3 U	5.1 U	2.9 U	2.8 U	3.2 U	1.4 U	1.4 U	1.4 U
Tetrachloroethene	1.6	2.7 U	**8.1**	**21.7**	5.4 U	**10.2**	**7.5**	44.8 U	**23.7**	2.9 U	2.7 U	**0.79 J**	1.4 U	1.4 U	**1.3 J**
Tetrahydrofuran	0.4	NA	2.2 U	2.2 U	2.3 U	2.3 U	2.2 U	19.5 U	2.2 U	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	2.2 U	NA	NA	NA	NA	NA	NA	NA	2.3 U	**3 J**	**4.0 J**	**1.3**	**3.4**	1.1 U
Thiophene	NE	1.4 U	NA	NA	NA	NA	NA	NA	NA	1.5 U	1.4 U	1.6 U	0.69 U	0.69 U	0.69 U
Trans-1,2-dichloroethene	NE	1.6 U	3 U	3 U	3.1 U	3.1 U	2.9 U	26.2 U	2.9 U	1.7 U	1.6 U	1.8 U	0.79 U	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	3.1 U	5.8 U	5.8 U	6.1 U	6 U	5.6 U	50.6 U	5.7 U	3.2 U	3.1 U	3.6 U	**0.38 J**	**0.56 J**	**0.77 J**
Trichlorobenzene, 1,2,4-	4.8	3.0 U	22.3 U	22.3 U	23.7 U	23 U	21.5 U	193 U	22.3 UJ	3.1 UJ	3 U	3.5 U	1.5 U	1.5 U	1.5 U
Trichloroethane, 1,1,1-	0.7	2.2 U	4.1 U	4.1 U	4.3 U	4.3 U	4 U	36 U	4 U	2.3 U	2.2 UJ	2.6 U	1.1 U	1.1 U	1.1 U
Trichloroethane, 1,1,2-	<0.25	2.2 U	4.1 U	4.1 U	4.3 U	4.3 U	4 U	36 U	4 U	2.3 U	2.2 U	2.6 U	1.1 U	1.1 U	1.1 U
Trichloroethene	0.5	2.2 U	4.1 U	4.1 U	4.2 U	4.2 U	3.9 U	35.5 U	4 U	2.3 U	2.2 U	2.5 U	1.1 U	**2.3**	1.1 U
Trichlorofluoromethane	6.1	**1.4 J**	**11.2**	**7.3**	4.4 U	4.4 U	4.1 U	37.1 U	**6.7**	**1.9 J**	**6.6**	**7.4**	**3.5**	**2.7**	**12**
Trimethylbenzene, 1,2,3-	0.6	2.0 U	NA	NA	NA	NA	NA	NA	NA	**0.73 J**	**1.2 J**	**1.4 J**	0.98 U	**1.2**	**3.4**
Trimethylbenzene, 1,2,4-	2.5	2.0 U	**9.8**	**6.9**	3.9 U	**32.4**	**5.4**	32.4 U	**59 J**	**1.5 J**	**4.5 J**	**2.2 J**	**0.44 J**	**0.37 J**	**0.74 J**
Trimethylbenzene, 1,3,5-	1	2.0 U	3.7 U	3.7 U	3.9 U	**12.3**	3.6 U	32.4 U	**15.7**	2.1 U	**1.2 J**	**0.80 J**	0.98 U	**0.65 J**	**1.9**
Trimethylpentane, 2,2,4-	2	1.9 U	3.6 U	**4.7**	3.7 U	**15.9**	**560.6**	**7475.2**	**1121.3**	2.0 U	1.9 U	2.2 U	0.93 U	0.93 U	0.93 U
Undecane, n-	2.3	2.6 U	NA	NA	NA	NA	NA	NA	NA	**1.1 J**	**6.3**	3.0 U	1.3 U	**2.0**	1.3 U
Vinyl bromide	NE	1.8 U	NA	NA	NA	NA	NA	NA	NA	1.8 U	1.8 U	2.0 U	0.87 U	0.87 U	0.87 U
Vinyl chloride	<0.25	1.0 U	1.9 U	1.9 U	2 U	2 U	1.9 U	16.9 U	1.9 U	1.1 U	1 U	1.2 U	0.51 U	0.51 U	0.51 U
Other (%)															
Carbon Dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NE	**0.034**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-03 9/22/2008	OU2SG-03 9/24/2008	OU2SG-03 12/29/2008	OU2SG-03 3/23/2009	OU2SG-03 6/17/2009	Duplicate of OU2SG-03 6/17/2009	OU2SG-03 9/22/2009	OU2SG-03 12/30/2009	OU2SG-03 3/25/2010	OU2SG-03 6/8/2010	OU2SG-03 9/21/2010	OU2SG-04 5/5/2005	OU2SG-04 8/30/2005	OU2SG-04 2/1/2006
BTEX (ug/m^3)															
Benzene	5.8	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	1.2 U	1.3 U	1.3 U	1.3 U	1.3 U	**3.8**	2.5 U	**7.7**
Toluene	21	**1.7**	**51**	**0.44 J**	**0.38 J**	**0.34 J**	**0.23 J**	**6.0**	1.5 U	1.5 U	1.5 U	**1.4 J**	**30.9**	2.9 U	**56.5**
Ethylbenzene	1.9	**0.43 J**	**0.65 J**	0.87 U	0.87 U	0.87 U	0.87 U	**11**	1.7 U	1.7 U	1.7 U	1.7 U	**7.8**	3.4 U	**14.3**
Xylene, m,p-	3.1	**1.1 J**	**2.8**	1.7 U	1.7 U	1.7 U	1.7 U	**27**	3.5 U	3.5 U	3.5 U	3.5 U	**29.1**	**3.5**	**36.9**
Xylene, o-	2.5	**0.48 J**	**3.5**	0.87 U	0.87 U	0.87 U	0.87 U	**6.1**	1.7 U	1.7 U	1.7 U	1.7 U	**10.4**	3.4 U	**9.1**
Other VOCs (ug/m^3)															
Acetaldehyde	NE	**12 J**	1.8 UJ	3.2 U	3.2 U	4.5 U	4.5 U	**8.0 J**	9.0 U	**3.7 J**	**6.8 J**	**6.6 J**	NA	NA	NA
Acetone	58	0.47 UJ	**2.3**	2.4 U	1.8 U	2.0 U	1.8 U	4.8 U	3.6 U	**1.2 J**	4.8 U	**5.4 JB**	**356.3**	**19.7**	**76**
Acrolein (propenal)	NE	0.46 U	0.46 U	0.46 U	0.46 U	1.2 U	1.2 U	2.3 U	2.3 UJ	2.3 U	2.3 U	2.3 U	NA	NA	NA
Allyl chloride	NE	0.63 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	1.2 U	9.4 U	9.7 U	9.4 U
Benzothiophene	NE	1.1 U	1.1 U	1.1 UJ	2.7 U	1.1 U	1.1 U	2.2 U	2.2 U	2.2 U	5.5 U	5.5 U	NA	NA	NA
Bromodichloromethane	NE	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	5 U	5.2 U	5 U
Bromoform	NE	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	7.6 U	8.1 U	7.6 U
Bromomethane	0.9	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	2.9 U	3 U	2.9 U
Butadiene, 1,3-	NE	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	**2.2**	1.7 U	1.6 U
Butane	NE	**0.69**	0.48 U	**0.52**	0.48 U	0.48 U	0.48 U	**1.0**	0.95 U	0.95 U	0.95 U	0.95 U	NA	NA	NA
Butanone, 2-	17	**2.0**	0.59 U	0.59 U	0.59 U	0.59 U	**0.27 J**	**0.88 J**	1.2 U	1.2 U	1.2 U	1.2 U	**25.4**	2.3 U	**8.8**
Carbon disulfide	NE	**8.1**	**10**	**0.68**	0.62 U	**2.3 J**	**1.3 J**	**0.81 J**	1.2 U	1.2 U	**0.74 J**	**1.1 J**	**17.1**	**8.4**	2.3 U
Carbon tetrachloride	1	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	4.7 U	4.9 U	4.7 U
Chlorobenzene	<0.25	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	1.8 U	1.8 U	3.4 U	3.6 U	3.4 U
Chloroethane	0.4	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2 U	2.1 U	2 U
Chloroform	0.5	**4.2**	**1.6**	**0.85 J**	**0.78 J**	**0.77 J**	**0.87 J**	**0.59 J**	2.0 U	**0.88 J**	**0.62 J**	**2.0**	3.6 U	3.8 U	3.6 U
Chloromethane	4.6	**0.21 J**	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	6.2 U	6.4 U	6.2 U
Chlorotoluene, 2-	NE	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	NA	NA	NA
Cryofluorane	1.3	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	5.2 U	5.5 U	5.2 U
Cyclohexane	3	**1.5**	**31**	**2.0**	**2.9**	**0.31 J**	**0.27 J**	1.4 U	1.4 UJ	1.4 U	**0.35 J**	**0.76 J**	2.5 U	2.7 U	2.5 U
Decane, n-	3.6	**34**	1.2 U	1.2 U	1.2 U	1.2 U	**0.47 J**	**4.3**	2.3 U	2.3 U	2.3 U	2.3 U	NA	NA	NA
Dibromochloromethane	NE	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	6.3 U	6.6 U	6.3 U
Dibromoethane, 1,2-	<0.25	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	5.7 U	6 U	5.7 U
Dichlorobenzene, 1,2-	0.9	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	4.4 U	4.7 U	4.4 U
Dichlorobenzene, 1,3-	0.7	**0.54 J**	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	4.4 U	4.7 U	4.4 U
Dichlorobenzene, 1,4-	0.8	**0.42 J**	**0.84 J**	1.2 U	1.2 U	**0.65 J**	**0.68 J**	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	4.4 U	4.7 U	4.4 U
Dichlorodifluoromethane	11	**14**	**2.8**	**3.1**	**2.4**	**1.2**	**1.3**	**3.0**	**3.1**	**2.5**	**2.4**	**2.2**	3.7 U	3.9 U	**3.8**
Dichloroethane, 1,1-	<0.25	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	3 U	3.2 U	3 U
Dichloroethane, 1,2-	<0.25	0.81 U	0.81 U	0.81 U	0.81 UJ	0.81 U	0.81 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	3 U	3.2 U	3 U
Dichloroethene, 1,1-	<0.25	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	2.9 U	3.1 U	2.9 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	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	2.9 U	3.1 U	2.9 U
Dichloropropane, 1,2-	<0.25	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	1.8 UJ	1.8 U	1.8 U	1.8 U	3.4 U	3.6 U	3.4 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	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	3.4 U	3.5 U	3.4 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	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	3.4 U	3.5 U	3.4 U
Dioxane, 1,4-	NE	0.72 U	0.72 U	0.72 U	0.72 U	0.72 UJ	0.72 UJ	1.4 U	1.4 UJ	1.4 U	1.4 U	1.4 U	10.8 U	11.2 U	10.8 U
Dodecane, n-	7.6	**13**	**2.8**	1.4 U	**0.56 J**	**0.52 J**	**2.4 J**	2.8 UJ	2.8 U	2.8 U	**0.70 J**	**1.1 J**	NA	NA	NA
Ethanol	220	**9.9**	**0.56 J**	1.9 U	**0.79 J**	1.9 U	1.9 U	3.8 U	3.8 U	3.8 U	3.8 U	**1.3 J**	**105.5**	5.8 U	**26.4**
Ethylthiophene, 2-	NE	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	1.8 U	1.8 U	NA	NA	NA
Ethyltoluene, p-	NE	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	**1.8 J**	2.0 U	2.0 U	2.0 U	2.0 U	**11.3**	3.8 U	**4.9 J**
Heptane, n-	5.1	**0.33 J**	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	**1.1 J**	1.6 U	1.6 U	1.6 U	1.6 U	**3.4**	**3.4**	**7.4**
Hexachlorobutadiene	7	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	32 U	33.1 U	32 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-03 9/22/2008	OU2SG-03 9/24/2008	OU2SG-03 12/29/2008	OU2SG-03 3/23/2009	OU2SG-03 6/17/2009	Duplicate of OU2SG-03 6/17/2009	OU2SG-03 9/22/2009	OU2SG-03 12/30/2009	OU2SG-03 3/25/2010	OU2SG-03 6/8/2010	OU2SG-03 9/21/2010	OU2SG-04 5/5/2005	OU2SG-04 8/30/2005	OU2SG-04 2/1/2006
Hexane, n-	3.6	**0.25 J**	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	**0.92 J**	1.4 U	1.4 U	1.4 U	1.4 U	**3.9**	2.7 U	**7.4**
Hexanone, 2-	NE	0.82 U	0.82 U	0.82 U	2.0 U	0.82 U	0.82 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	12.3 U	12.7 U	12.3 U
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	**0.58 J**	1.9 U	1.9 U	1.9 U	1.9 U	NA	NA	NA
Indene	NE	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	NA	NA	NA
Isopropyl benzene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.6 U	3.8 U	3.6 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	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	2.7 U	2.8 U	2.7 U
Methyl-2-pentanone, 4-	2.9	0.82 U	**0.74 J**	0.82 U	0.82 U	0.82 U	0.82 U	1.6 U	1.6 UJ	1.6 U	1.6 U	1.6 U	3 U	3.2 U	3 U
Methylene chloride	2.9	**5.5**	0.69 U	1.7 U	1.7 U	1.7 U	1.7 U	3.4 U	**1.2 J**	3.5 U	**1.9 J**	**6.9 J**	2.6 U	2.7 U	2.6 U
Methylnaphthalene, 1-	NE	1.2 U	1.2 UJ	5.8 UJ	2.9 UJ	1.2 U	1.2 U	2.3 UJ	2.3 U	5.8 U	5.8 U	5.8 U	NA	NA	NA
Methylnaphthalene, 2-	NE	1.2 U	1.2 U	5.8 U	2.9 UJ	1.2 U	1.2 U	2.3 U	2.3 U	5.8 U	5.8 U	5.8 U	NA	NA	NA
Methylthiophene, 2-	NE	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	NA	NA	NA
Methylthiophene, 3-	NE	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	NA	NA	NA
Naphthalene	10	**1.5**	**1.0 J**	1.0 U	1.0 U	1.0 U	1.0 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	15.7 UJ	16.3 U	15.7 U
Nonane	1.2	**0.58 J**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**12**	2.1 U	2.1 U	2.1 U	2.1 U	NA	NA	NA
Octane, n-	2.1	**91**	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	**7.2**	1.9 U	1.9 U	1.9 U	1.9 U	NA	NA	NA
Pentane	NE	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	**0.94 J**	1.2 U	1.2 U	1.2 U	1.2 U	NA	NA	NA
Propanol, 2-	NE	**5.5 J**	0.49 U	1.2 U	1.2 U	1.2 U	1.2 U	**1.8 J**	2.5 U	2.5 U	2.5 U	2.5 U	**16.2**	7.6 U	7.4 U
Propylbenzene, n-	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.6 U	3.8 U	3.6 U
Styrene	0.6	**0.26 J**	**0.26 J**	0.85 U	0.85 U	0.85 U	0.85 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	3.2 U	3.3 U	3.2 U
t-Butyl alcohol	NE	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	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	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	5.1 U	5.4 U	5.1 U
Tetrachloroethene	1.6	**28**	**1.1 J**	1.4 U	1.4 U	1.4 U	1.4 U	**0.81 J**	2.7 U	2.7 U	**1.2 J**	**0.95 J**	5 U	5.3 U	**8.1**
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.2 U	2.3 U	2.2 U
Tetramethylbenzene, 1,2,4,5-	NE	**0.49 J**	**4.8**	1.1 U	2.7 U	1.1 U	1.1 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	NA	NA	NA
Thiophene	NE	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	1.4 U	1.4 UJ	1.4 U	1.4 U	1.4 U	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	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	2.9 U	3.1 U	2.9 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	1.5 U	**0.54 J**	1.5 U	**0.38 J**	1.5 U	1.5 U	**0.92 J**	3.1 U	3.1 U	3.1 U	3.1 U	5.7 U	6 U	5.7 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	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	22.3 U	23 U	22.3 U
Trichloroethane, 1,1,1-	0.7	**1.8**	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	4 U	4.3 U	4 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	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	4 U	4.3 U	4 U
Trichloroethene	0.5	**0.54 J**	**0.54 J**	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	2.2 U	2.2 U	**0.76 J**	2.2 U	4 U	4.2 U	4 U
Trichlorofluoromethane	6.1	**4.7**	**9.3**	**3.7**	**2.1**	**5.4**	**6.5**	**3.3 J**	**1.8 J**	**2.0 J**	**3.3**	**8.2**	4.2 U	4.4 U	4.2 U
Trimethylbenzene, 1,2,3-	0.6	**0.44 J**	**0.79 J**	0.98 U	0.98 U	0.98 U	0.98 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	NA	NA	NA
Trimethylbenzene, 1,2,4-	2.5	**0.79 J**	**0.49 J**	0.98 U	0.98 U	0.98 U	0.98 U	**2.2**	2.0 U	2.0 U	2.0 U	2.0 U	**10.8**	3.8 U	**3.9**
Trimethylbenzene, 1,3,5-	1	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	**2.2**	2.0 U	2.0 U	2.0 U	2.0 U	**4**	3.8 U	3.6 U
Trimethylpentane, 2,2,4-	2	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	3.5 U	3.6 U	**794.2**
Undecane, n-	2.3	**33**	1.3 U	1.3 U	**0.70 J**	1.3 U	**1.4**	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	NA	NA	NA
Vinyl bromide	NE	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	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	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.9 U	2 U	1.9 U
Other (%)															
Carbon Dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NE	0.014 U	**0.025**	**0.05**	0.0161 U	0.0177	0.0199	**0.044**	0.0158 U	0.017 U	**0.019**	0.0166 U	NA	NA	NA

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-04 6/14/2006	OU2SG-04 9/7/2006	OU2SG-04 2/22/2007	OU2SG-04 5/24/2007	OU2SG-04 9/18/2007	OU2SG-04 12/18/2007	OU2SG-04 3/26/2008	OU2SG-04 6/23/2008	OU2SG-04 9/24/2008	OU2SG-04 12/29/2008	OU2SG-04 3/23/2009	OU2SG-04 6/17/2009	OU2SG-04 9/22/2009	OU2SG-04 12/30/2009
BTEX (ug/m^3)															
Benzene	5.8	15.7 U	**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	1.3 U
Toluene	21	**49**	**105.5**	**2.6**	**720**	**760**	**31**	**74**	**130**	**0.79**	**4.0**	**0.75**	**0.23 J**	1.5 U	1.5 U
Ethylbenzene	1.9	21.3 U	**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	1.7 U
Xylene, m,p-	3.1	**24.8**	**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	3.5 U
Xylene, o-	2.5	21.3 U	**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	1.7 U
Other VOCs (ug/m^3)															
Acetaldehyde	NE	NA	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**	9.0 U
Acetone	58	**546.4**	**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	**0.90 J**
Acrolein (propenal)	NE	NA	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	2.3 UJ
Allyl chloride	NE	59.5 U	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	1.2 U
Benzothiophene	NE	NA	NA	11 UJ	5.5 U	30 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	2.2 U
Bromodichloromethane	NE	32.8 U	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	2.7 U
Bromoform	NE	50.6 U	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	4.1 U
Bromomethane	0.9	19 U	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	1.6 U
Butadiene, 1,3-	NE	10.8 U	**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	0.88 U
Butane	NE	NA	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	0.95 U
Butanone, 2-	17	**17.1**	**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**	1.2 U
Carbon disulfide	NE	15.3 U	**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**	**1.3**
Carbon tetrachloride	1	30.8 U	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	2.5 U
Chlorobenzene	<0.25	22.6 U	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	1.8 U
Chloroethane	0.4	12.9 U	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	1.0 U
Chloroform	0.5	23.9 U	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**	**0.49 J**
Chloromethane	4.6	39.2 U	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	0.83 U
Chlorotoluene, 2-	NE	NA	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	2.1 U
Cryofluorane	1.3	34.3 U	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	2.8 U
Cyclohexane	3	16.9 U	2.4 U	1.4 U	**66**	**160**	**11**	**72**	**78**	**2.8**	**9.7**	**15**	0.69 U	1.4 U	1.4 UJ
Decane, n-	3.6	NA	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	2.3 U
Dibromochloromethane	NE	41.7 U	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	3.4 U
Dibromoethane, 1,2-	<0.25	37.6 U	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	3.1 U
Dichlorobenzene, 1,2-	0.9	29.5 U	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	2.4 U
Dichlorobenzene, 1,3-	0.7	29.5 U	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	2.4 U
Dichlorobenzene, 1,4-	0.8	29.5 U	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	2.4 U
Dichlorodifluoromethane	11	24.2 U	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**	**3.1**
Dichloroethane, 1,1-	<0.25	19.8 U	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	1.6 U
Dichloroethane, 1,2-	<0.25	19.8 U	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	1.6 U
Dichloroethene, 1,1-	<0.25	19.4 U	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	1.6 U
Dichloroethene, cis-1,2-	<0.25	19.4 U	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	**0.83**	0.79 U	1.6 U	1.6 U
Dichloropropane, 1,2-	<0.25	22.6 U	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	1.8 UJ
Dichloropropene, cis-1,3	<0.25	22.2 U	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	1.8 U
Dichloropropene, trans-1,3	<0.25	22.2 U	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	1.8 U
Dioxane, 1,4-	NE	68.5 U	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	1.4 UJ
Dodecane, n-	7.6	NA	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**	2.8 U
Ethanol	220	**114.9**	**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	3.8 U
Ethylthiophene, 2-	NE	NA	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	1.8 U
Ethyltoluene, p-	NE	24.1 U	**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	2.0 U
Heptane, n-	5.1	20.1 U	**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	1.6 U
Hexachlorobutadiene	7	202.6 U	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	4.3 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-04 6/14/2006	OU2SG-04 9/7/2006	OU2SG-04 2/22/2007	OU2SG-04 5/24/2007	OU2SG-04 9/18/2007	OU2SG-04 12/18/2007	OU2SG-04 3/26/2008	OU2SG-04 6/23/2008	OU2SG-04 9/24/2008	OU2SG-04 12/29/2008	OU2SG-04 3/23/2009	OU2SG-04 6/17/2009	OU2SG-04 9/22/2009	OU2SG-04 12/30/2009
Hexane, n-	3.6	17.3 U	**10.6**	**1.8**	**260**	**420**	**8.5**	**40**	**56**	0.70 U	**2.3**	0.70 U	0.70 U	1.4 U	1.4 U
Hexanone, 2-	NE	77.8 U	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	1.6 U
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	NA	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	1.9 U
Indene	NE	NA	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	1.9 U
Isopropyl benzene	0.4	24.1 U	3.4 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	5.9	17.7 U	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	1.4 U
Methyl-2-pentanone, 4-	2.9	20.1 U	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	1.6 UJ
Methylene chloride	2.9	17 U	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	**1.0 J**
Methylnaphthalene, 1-	NE	NA	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	2.3 U
Methylnaphthalene, 2-	NE	NA	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	2.3 U
Methylthiophene, 2-	NE	NA	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	1.6 U
Methylthiophene, 3-	NE	NA	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	1.6 U
Naphthalene	10	99.6 UJ	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	2.1 U
Nonane	1.2	NA	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	2.1 U
Octane, n-	2.1	NA	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	1.9 U
Pentane	NE	NA	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	1.2 U
Propanol, 2-	NE	46.7 U	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**	2.5 U
Propylbenzene, n-	0.5	24.1 U	**8.8**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.6	20.9 U	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	1.7 U
t-Butyl alcohol	NE	NA	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**	1.2 U
Tetrachloroethane, 1,1,2,2-	<0.25	33.6 U	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	2.7 U
Tetrachloroethene	1.6	**34.6**	**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**	2.7 U
Tetrahydrofuran	0.4	14.5 U	2.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	NA	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	2.2 U
Thiophene	NE	NA	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	1.4 UJ
Trans-1,2-dichloroethene	NE	19.4 U	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	1.6 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	37.6 U	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**	3.1 U
Trichlorobenzene, 1,2,4-	4.8	141 U	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	3.0 U
Trichloroethane, 1,1,1-	0.7	26.7 U	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	2.2 U
Trichloroethane, 1,1,2-	<0.25	26.7 U	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	2.2 U
Trichloroethene	0.5	26.3 U	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	2.2 U
Trichlorofluoromethane	6.1	27.5 U	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**	**1.5 J**
Trimethylbenzene, 1,2,3-	0.6	NA	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	2.0 U
Trimethylbenzene, 1,2,4-	2.5	24.1 U	**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	2.0 U
Trimethylbenzene, 1,3,5-	1	24.1 U	**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	2.0 U
Trimethylpentane, 2,2,4-	2	**5606.4**	**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	1.9 U
Undecane, n-	2.3	NA	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	2.6 U
Vinyl bromide	NE	NA	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	1.8 U
Vinyl chloride	<0.25	12.5 U	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	1.0 U
Other (%)															
Carbon Dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NE	NA	NA	NA	NA	NA	NA	NA	0.0177 U	**0.037**	**0.037**	0.0176 U	0.0176	**0.046**	0.0158 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-04 3/25/2010	OU2SG-04 6/8/2010	OU2SG-04 9/21/2010	OU2SG-05 5/25/2005	OU2SG-05 8/31/2005	OU2SG-05 2/2/2006	OU2SG-05 6/15/2006	OU2SG-05 9/8/2006	OU2SG-05 2/22/2007	OU2SG-05 6/14/2007	OU2SG-05 7/25/2007	OU2SG-05 9/19/2007	OU2SG-05 12/19/2007	OU2SG-05 3/27/2008
BTEX (ug/m^3)															
Benzene	5.8	1.3 U	1.3 U	1.3 U	**5.4**	**10.2**	**5.4**	11.5 U	**11.8**	**2.7**	1.3 U	1.5 UJ	**0.56 J**	**0.41 J**	**0.19 J**
Toluene	21	1.5 U	1.5 U	**0.53 J**	**16.2**	**45.2**	**30.9**	**35.4**	**113.1**	**42**	**44**	**21**	**1.6 J**	**1.9**	**0.62 J**
Ethylbenzene	1.9	1.7 U	1.7 U	1.7 U	3.3 U	**11.3**	**6.9**	15.6 U	**21.3**	**2.6**	1.7 U	2 U	1.9 U	0.87 U	0.87 U
Xylene, m,p-	3.1	3.5 U	3.5 U	3.5 U	**10**	**47.8**	**14.8**	**27.8**	**69.5**	**7.1**	**1.4 J**	**1.1 J**	3.8 U	1.7 U	1.7 U
Xylene, o-	2.5	1.7 U	1.7 U	1.7 U	3.3 U	**16.5**	**4.8**	15.6 U	**18.7**	**2.5**	1.7 U	**1.2 J**	1.9 U	0.87 U	0.87 U
Other VOCs (ug/m^3)															
Acetaldehyde	NE	**4.0 J**	**13**	**7.7 J**	NA	NA	NA	NA	NA	**2.8 J**	**96**	**44**	**24**	1.8 U	4.5 U
Acetone	58	**2.0 J**	**4.6 J**	**7.2 JB**	**180.5**	**178.2**	**33.3**	**261.3**	**156.8**	**22**	**8.1**	**16 J**	**4.9**	5.2 U	2.6 U
Acrolein (propenal)	NE	2.3 U	2.3 U	2.3 U	NA	NA	NA	NA	NA	1.0 U	0.91 UJ	1.1 U	1.0 U	0.46 U	1.2 U
Allyl chloride	NE	1.2 U	1.2 U	1.2 U	9.4 U	10 U	8.8 U	43.8 U	10.3 U	1.4 U	1.2 U	1.5 U	1.4 U	0.63 U	0.63 U
Benzothiophene	NE	2.2 U	5.5 U	5.5 U	NA	NA	NA	NA	NA	12 UJ	**2.2 J**	2.6 U	2.4 U	1.1 U	1.1 U
Bromodichloromethane	NE	2.7 U	2.7 U	2.7 U	5.1 U	5.4 U	4.7 U	24.1 U	5.5 U	3.0 U	2.7 U	3.1 U	3.0 U	1.3 U	1.3 U
Bromoform	NE	4.1 U	4.1 U	4.1 U	7.9 U	8.3 U	7.2 U	37.2 U	8.5 U	4.6 U	4.1 U	4.8 U	4.6 U	2.1 U	2.1 U
Bromomethane	0.9	1.6 U	1.6 U	1.6 U	3 U	3.1 U	2.7 U	14 U	3.2 U	1.7 U	1.5 U	1.8 U	1.7 U	0.78 U	0.78 U
Butadiene, 1,3-	NE	0.88 U	0.88 U	0.88 U	1.7 U	**6**	**4**	8 U	**3.1**	0.98 U	0.88 U	1 U	0.98 U	0.44 U	0.44 U
Butane	NE	0.95 U	0.95 U	0.95 U	NA	NA	NA	NA	NA	**16**	**0.52 J**	**2.1**	1.0 U	**6.4**	**2.1**
Butanone, 2-	17	1.2 U	**1.2 J**	1.2 U	**28**	**19.2**	**4.7 J**	**12.1**	**20.6**	**3.1 J**	**2.7 J**	**1.9**	**1.6**	0.59 U	**0.24 J**
Carbon disulfide	NE	1.2 U	**2.2**	**1.1 J**	2.4 U	**9.7**	**3.7**	11.2 U	**4.7**	**11**	**6.7 J**	**7.6**	**2.2**	**1.0**	**0.56 J**
Carbon tetrachloride	1	2.5 U	2.5 U	2.5 U	4.8 U	5 U	4.4 U	22.6 U	5.2 U	2.8 U	2.5 U	2.9 UJ	2.8 U	1.3 U	**0.36 J**
Chlorobenzene	<0.25	1.8 U	1.8 U	1.8 U	3.5 U	3.7 U	3.2 U	16.6 U	3.8 U	2.0 U	1.8 U	2.2 U	2.0 U	0.92 U	0.92 U
Chloroethane	0.4	1.0 U	1.0 U	1.0 U	2 U	2.1 U	1.8 U	9.5 U	2.2 U	1.2 U	1 U	1.2 U	1.2 U	0.53 U	0.53 U
Chloroform	0.5	**0.49 J**	**0.58 J**	**1.8 J**	3.7 U	**8.8**	3.4 U	17.6 U	**6.8**	**2.7**	**10**	**19**	**6.9**	**1.9**	**1.6**
Chloromethane	4.6	0.83 U	0.83 U	0.83 U	6.2 U	6.6 U	5.8 U	28.9 U	6.8 U	**1.5 J**	**0.46 J**	**0.62 J**	0.91 U	0.41 U	**0.14 J**
Chlorotoluene, 2-	NE	2.1 U	2.1 U	2.1 U	NA	NA	NA	NA	NA	2.3 U	2.1 U	2.4 U	2.3 U	1.0 U	1.0 U
Cryofluorane	1.3	2.8 U	2.8 U	2.8 U	5.3 U	5.6 U	4.9 U	25.2 U	5.7 U	3.1 U	2.8 U	3.3 U	3.1 U	1.4 U	1.4 U
Cyclohexane	3	1.4 U	1.4 U	1.4 U	**213.4**	2.8 U	2.4 U	12.4 U	2.8 U	**15**	**11**	**4.6**	1.5 U	**0.93**	**0.62 J**
Decane, n-	3.6	2.3 U	2.3 U	2.3 U	NA	NA	NA	NA	NA	**0.90 J**	**1.6 J**	2.7 U	2.6 U	1.2 U	1.2 U
Dibromochloromethane	NE	3.4 U	3.4 U	3.4 U	6.5 U	6.8 U	6 U	30.7 U	7 U	3.8 U	3.4 U	4 U	3.8 U	1.7 U	1.7 U
Dibromoethane, 1,2-	<0.25	3.1 U	3.1 U	3.1 U	5.8 U	6.1 U	5.4 U	27.7 U	6.3 U	3.4 U	3.1 U	3.6 U	3.4 U	1.5 U	1.5 U
Dichlorobenzene, 1,2-	0.9	2.4 U	2.4 U	2.4 U	4.6 U	4.8 U	4.2 U	21.6 U	4.9 U	2.7 U	2.4 U	2.8 U	2.7 U	1.2 U	1.2 U
Dichlorobenzene, 1,3-	0.7	2.4 U	2.4 U	2.4 U	4.6 U	4.8 U	4.2 U	21.6 U	4.9 U	2.7 U	2.4 U	2.8 U	2.7 U	1.2 U	1.2 U
Dichlorobenzene, 1,4-	0.8	2.4 U	2.4 U	2.4 U	4.6 U	4.8 U	4.2 U	21.6 U	4.9 U	2.7 UJ	**1.3 J**	**1.8 J**	2.7 U	1.2 U	1.2 U
Dichlorodifluoromethane	11	**2.3**	**2.3**	**2.8**	3.8 U	4 U	3.5 U	17.8 U	4.1 U	**2.6**	**2.5**	**3.1**	**2.7**	**2.7**	**2.2**
Dichloroethane, 1,1-	<0.25	1.6 U	1.6 U	1.6 U	3.1 U	3.2 U	2.8 U	14.6 U	3.3 U	1.8 U	1.6 U	1.9 U	1.8 U	0.81 U	0.81 U
Dichloroethane, 1,2-	<0.25	1.6 U	1.6 U	1.6 U	3.1 U	3.2 U	2.8 U	14.6 U	3.3 U	1.8 U	1.6 U	1.9 U	1.8 U	0.81 U	0.81 U
Dichloroethene, 1,1-	<0.25	1.6 U	1.6 U	1.6 U	3 U	3.2 U	2.8 U	14.3 U	3.3 U	1.8 U	1.6 U	1.8 U	1.8 U	0.79 U	0.79 U
Dichloroethene, cis-1,2-	<0.25	1.6 U	1.6 U	1.6 U	3 U	3.2 U	2.8 U	14.3 U	3.3 U	1.8 U	1.6 U	1.8 U	1.8 U	0.79 U	0.79 U
Dichloropropane, 1,2-	<0.25	1.8 U	1.8 U	1.8 U	3.5 U	3.7 U	3.2 U	16.6 U	3.8 U	2.0 U	1.8 U	2.2 U	2.0 U	0.92 U	0.92 U
Dichloropropene, cis-1,3	<0.25	1.8 U	1.8 U	1.8 U	3.4 U	3.6 U	3.2 U	16.3 U	3.7 U	2.0 U	1.8 U	2.1 U	2.0 U	0.91 U	0.91 U
Dichloropropene, trans-1,3	<0.25	1.8 U	1.8 U	1.8 U	3.4 U	3.6 U	3.2 U	16.3 U	3.7 U	2.0 U	1.8 U	2.1 U	2.0 U	0.91 U	0.91 U
Dioxane, 1,4-	NE	1.4 U	1.4 U	1.4 U	10.8 U	11.5 U	10.1 U	50.4 U	11.9 U	4.0 U	3.6 U	1.7 U	1.6 U	1.8 U	0.72 U
Dodecane, n-	7.6	2.8 U	2.8 U	**2.6 J**	NA	NA	NA	NA	NA	3.1 U	**8.6 J**	**2.5 J**	3.1 U	**0.42 J**	**0.41 J**
Ethanol	220	3.8 U	**1.8 J**	**2.5 J**	**49**	**30.1**	**35.8**	**69.7**	**58.4**	**56**	**4.6**	**13**	**10**	2.9 U	**1.1 J**
Ethylthiophene, 2-	NE	1.8 U	1.8 U	1.8 U	NA	NA	NA	NA	NA	2.0 U	1.8 U	2.2 U	2.0 U	0.92 U	0.92 U
Ethyltoluene, p-	NE	2.0 U	2.0 U	2.0 U	3.7 U	**16.7**	3.4 U	17.7 U	**20.2**	**0.55 J**	2 U	2.3 U	2.2 U	0.98 U	0.98 U
Heptane, n-	5.1	1.6 U	1.6 U	1.6 U	**225.4**	**16.4**	**3.5**	14.8 U	**10.2**	**2.6**	1.6 U	1.9 U	1.8 U	**0.29 J**	0.82 U
Hexachlorobutadiene	7	4.3 U	4.3 U	4.3 U	32 U	34.1 U	29.9 U	149.3 U	35.2 UJ	4.7 UJ	**4.1 J**	5 U	4.7 U	2.1 U	2.1 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-04 3/25/2010	OU2SG-04 6/8/2010	OU2SG-04 9/21/2010	OU2SG-05 5/25/2005	OU2SG-05 8/31/2005	OU2SG-05 2/2/2006	OU2SG-05 6/15/2006	OU2SG-05 9/8/2006	OU2SG-05 2/22/2007	OU2SG-05 6/14/2007	OU2SG-05 7/25/2007	OU2SG-05 9/19/2007	OU2SG-05 12/19/2007	OU2SG-05 3/27/2008
Hexane, n-	3.6	1.4 U	1.4 U	1.4 U	**4.2 J**	**15.2**	**6.3**	12.7 U	**10.6**	**62**	**3.8**	**3.1**	**4.6**	**0.28 J**	**0.24 J**
Hexanone, 2-	NE	1.6 U	1.6 U	1.6 U	12.3 U	13.1 U	11.5 U	57.4 U	13.5 U	4.5 U	1.6 U	1.9 U	1.8 U	0.82 U	0.82 U
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	1.9 U	1.9 U	1.9 U	NA	NA	NA	NA	16 U	**0.54 J**	1.9 U	2.3 U	2.1 U	0.97 U	0.97 U
Indene	NE	1.9 U	1.9 U	1.9 U	NA	NA	NA	NA	15.7 U	2.1 U	1.9 U	2.2 U	2.1 U	0.95 U	0.95 U
Isopropyl benzene	0.4	NA	NA	NA	3.7 U	3.9 U	3.4 U	17.7 U	4 U	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	5.9	1.4 U	1.4 U	1.4 U	**3**	**4.3**	2.5 U	13 U	3 U	1.6 U	1.4 U	1.7 U	1.6 U	0.72 U	0.72 U
Methyl-2-pentanone, 4-	2.9	1.6 U	1.6 U	1.6 U	3.1 U	3.3 U	2.9 U	14.7 U	3.4 U	1.8 U	1.6 U	1.9 U	1.8 U	0.82 U	0.82 U
Methylene chloride	2.9	3.5 U	**2.2 J**	**8.7**	2.6 U	2.8 U	2.4 U	12.5 U	2.8 U	**27 J**	**7**	**1.9**	**9.5**	0.69 U	**0.35 J**
Methylnaphthalene, 1-	NE	5.8 U	5.8 U	5.8 U	NA	NA	NA	NA	NA	32 U	**3 J**	2.7 U	2.6 U	14 U	1.2 U
Methylnaphthalene, 2-	NE	5.8 U	5.8 U	5.8 U	NA	NA	NA	NA	NA	32 U	**3.2 J**	34 U	2.6 U	14 UJ	1.2 U
Methylthiophene, 2-	NE	1.6 U	1.6 U	1.6 U	NA	NA	NA	NA	NA	1.8 U	1.6 U	1.9 U	1.8 U	0.80 U	0.80 U
Methylthiophene, 3-	NE	1.6 U	1.6 U	1.6 U	NA	NA	NA	NA	NA	1.8 U	1.6 U	1.9 U	1.8 U	0.80 U	0.80 U
Naphthalene	10	2.1 U	2.1 U	2.1 U	15.7 U	16.8 U	14.7 U	73.4 UJ	17.3 U	5.8 U	**2.7**	2.4 U	2.3 U	1.0 U	1.0 U
Nonane	1.2	2.1 U	2.1 U	2.1 U	NA	NA	NA	NA	NA	**1.3 J**	2.1 U	2.4 U	2.3 U	1.0 U	1.0 U
Octane, n-	2.1	1.9 U	1.9 U	1.9 U	NA	NA	NA	NA	NA	**1.2 J**	1.9 U	2.2 U	2.1 U	0.93 U	0.93 U
Pentane	NE	1.2 U	1.2 U	1.2 U	NA	NA	NA	NA	NA	**9.4**	1.2 U	**3.6**	**0.52 J**	**1.7**	**0.86**
Propanol, 2-	NE	2.5 U	2.5 U	2.5 U	7.4 U	7.9 U	6.9 U	**90.9**	8.1 U	**2.7**	4.9 U	**15 J**	**0.76 J**	0.49 U	**0.38 J**
Propylbenzene, n-	0.5	NA	NA	NA	3.7 U	3.9 U	3.4 U	17.7 U	**5.4**	NA	NA	NA	NA	NA	NA
Styrene	0.6	1.7 U	1.7 U	1.7 U	3.2 U	3.4 U	3 U	15.3 U	3.5 U	1.9 U	1.7 U	2 U	1.9 U	0.85 U	0.85 U
t-Butyl alcohol	NE	1.2 U	1.2 U	1.2 U	NA	NA	NA	NA	NA	1.3 U	**1.2**	**0.83 J**	1.3 U	0.61 U	0.61 U
Tetrachloroethane, 1,1,2,2-	<0.25	2.7 U	2.7 U	2.7 U	5.2 U	5.5 U	4.8 U	24.7 U	5.6 U	3.0 U	2.7 U	3.2 U	3.0 U	1.4 U	1.4 U
Tetrachloroethene	1.6	**3.1**	**0.96 J**	2.7 U	**32.6**	**5.9**	**5.4**	**27.8**	**14.9**	**0.90 J**	**2.4 J**	**1.8 J**	**1.4 J**	**0.41 J**	**0.49 J**
Tetrahydrofuran	0.4	NA	NA	NA	2.2 U	2.4 U	2.1 U	10.6 U	2.4 U	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	2.2 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	2.4 U	**5.2**	**2.4 J**	2.4 U	1.1 U	1.1 U
Thiophene	NE	1.4 U	1.4 U	1.4 U	NA	NA	NA	NA	NA	1.5 U	1.4 U	1.6 UJ	1.5 U	0.69 U	0.69 U
Trans-1,2-dichloroethene	NE	1.6 U	1.6 U	1.6 U	3 U	3.2 U	2.8 U	14.3 U	3.3 U	1.8 U	1.6 U	1.8 U	1.8 U	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	3.1 U	3.1 U	3.1 U	5.8 U	6.1 U	5.4 U	27.6 U	6.3 U	3.4 U	3 U	3.6 U	3.4 U	**0.54 J**	1.5 U
Trichlorobenzene, 1,2,4-	4.8	3.0 U	3.0 U	3.0 U	22.3 U	23.7 U	20.8 U	103.9 U	24.5 UJ	3.3 UJ	**3.3**	3.5 U	3.3 U	1.5 U	1.5 U
Trichloroethane, 1,1,1-	0.7	2.2 U	2.2 U	2.2 U	4.1 U	4.4 U	3.8 U	19.6 U	4.5 U	2.4 U	2.2 U	2.6 U	2.4 U	1.1 U	1.1 U
Trichloroethane, 1,1,2-	<0.25	2.2 U	2.2 U	2.2 U	4.1 U	4.4 U	3.8 U	19.6 U	4.5 U	2.4 U	2.2 U	2.6 U	2.4 U	1.1 U	1.1 U
Trichloroethene	0.5	2.2 U	2.2 U	2.2 U	4.1 U	4.3 U	3.8 U	19.3 U	4.4 U	2.4 U	2.1 U	2.5 U	2.4 U	**0.32 J**	1.1 U
Trichlorofluoromethane	6.1	**1.4 J**	**1.2 J**	**1.8 J**	4.3 U	4.5 U	3.9 U	20.2 U	4.6 U	**1.7 J**	**1.9 J**	**2.9**	**2.0 J**	**1.3**	**1.2**
Trimethylbenzene, 1,2,3-	0.6	2.0 U	2.0 U	2.0 U	NA	NA	NA	NA	NA	**0.98 J**	**1.1 J**	2.3 U	2.2 U	0.98 U	0.98 U
Trimethylbenzene, 1,2,4-	2.5	2.0 U	2.0 U	2.0 U	3.7 U	**15.7**	3.4 U	17.7 U	**21.6 J**	**2.2**	**1.2 J**	2.3 U	2.2 U	0.98 U	0.98 U
Trimethylbenzene, 1,3,5-	1	2.0 U	2.0 U	2.0 U	3.7 U	**5.9**	3.4 UJ	17.7 U	**5.4**	**0.76 J**	2 U	2.3 U	2.2 U	0.98 U	0.98 U
Trimethylpentane, 2,2,4-	2	1.9 U	1.9 U	1.9 U	3.6 U	**15.4**	**462.5**	**4111.4**	**607.4**	**3.7 J**	1.9 U	2.2 U	2.1 U	0.93 U	0.93 U
Undecane, n-	2.3	2.6 U	2.6 U	**0.77 J**	NA	NA	NA	NA	NA	2.8 U	2.5 U	**1.4 J**	2.8 U	1.3 U	1.3 U
Vinyl bromide	NE	1.8 U	1.8 U	1.8 U	NA	NA	NA	NA	NA	1.9 U	1.7 U	2 U	1.9 U	0.87 U	0.87 U
Vinyl chloride	<0.25	1.0 U	1.0 U	1.0 U	1.9 U	2 U	1.8 U	9.2 U	2.1 U	1.1 U	1 U	1.2 U	1.1 U	0.51 U	0.51 U
Other (%)															
Carbon Dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NE	0.0172 U	0.0166 U	0.0168 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-05 6/23/2008	OU2SG-05 9/22/2008	OU2SG-05 12/29/2008	OU2SG-05 3/31/2009	OU2SG-05 6/17/2009	OU2SG-05 9/23/2009	OU2SG-05 12/29/2009	OU2SG-05 3/25/2010	OU2SG-05 6/8/2010	OU2SG-05 9/21/2010	OU2SG-06 5/5/2005	OU2SG-06 8/30/2005	OU2SG-06 2/2/2006	OU2SG-06 6/14/2006
BTEX (ug/m^3)															
Benzene	5.8	**0.51 J**	0.64 U	0.64 U	0.64 U	0.64 U	1.3 U	1.3 U	**0.26 J**	1.3 U	1.3 U	**6.4**	**8.9**	**7**	13.4 U
Toluene	21	**8.4**	**0.34 J**	**0.23 J**	**0.72 J**	**0.76**	1.5 U	1.5 U	**1.2**	1.5 U	**0.45 J**	**37.7**	**101.7**	**75.4**	**36.2**
Ethylbenzene	1.9	**0.39 J**	0.87 U	0.87 U	0.87 U	0.87 U	1.7 U	1.7 U	0.87 U	1.7 U	1.7 U	**8.3**	**30**	**16.5**	18.2 U
Xylene, m,p-	3.1	**1.4 J**	1.7 U	1.7 U	1.7 U	1.7 U	3.5 U	3.5 U	1.7 U	3.5 U	3.5 U	**31.3**	**125.9**	**60.8**	**19.1**
Xylene, o-	2.5	**0.78 J**	0.87 U	0.87 U	0.87 U	0.87 U	1.7 U	1.7 U	0.87 U	1.7 U	1.7 U	**10.9**	**42.1**	**14.8**	18.2 U
Other VOCs (ug/m^3)															
Acetaldehyde	NE	**16**	**3.2 J**	4.5 UJ	3.6 U	4.5 U	**3.8 J**	9.0 U	4.5 U	**4.4 J**	9.0 U	NA	NA	NA	NA
Acetone	58	**8.1**	**2.2**	1.4 U	1.8 U	7.5 U	4.8 U	3.6 U	**1.1 J**	**2.0 J**	**4.9 JB**	**831.4 EJ**	**201.9**	**71.3**	**451.3**
Acrolein (propenal)	NE	**0.62**	0.46 U	0.46 U	0.46 U	1.2 U	2.3 U	2.3 U	1.2 U	2.3 U	2.3 U	NA	NA	NA	NA
Allyl chloride	NE	0.63 UJ	0.63 U	0.63 U	0.63 U	0.63 U	1.2 U	1.2 U	0.63 U	1.2 U	1.2 U	9.1 U	9.4 U	9.4 U	53.2 U
Benzothiophene	NE	1.1 U	1.1 U	1.1 UJ	14 UJ	1.1 U	2.2 U	2.2 U	1.1 U	5.5 U	5.5 U	NA	NA	NA	NA
Bromodichloromethane	NE	1.3 U	**0.74 J**	1.3 U	1.3 U	**0.44 J**	2.7 U	2.7 U	1.3 U	2.7 U	**1.1 J**	4.9 U	5 U	5 U	28.1 U
Bromoform	NE	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.1 U	4.1 U	2.1 U	4.1 U	4.1 U	7.5 U	7.6 U	7.6 U	43.4 U
Bromomethane	0.9	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	1.6 U	1.6 U	0.78 U	1.6 U	1.6 U	2.8 U	2.9 U	2.9 U	16.3 U
Butadiene, 1,3-	NE	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.88 U	0.88 U	0.44 U	0.88 U	0.88 U	**4.4**	1.6 U	**3.1**	9.3 U
Butane	NE	**0.36 J**	**0.69**	**1.2**	**0.55**	**0.43 J**	0.95 U	**0.43 J**	**3.6**	0.95 U	**0.48 J**	NA	NA	NA	NA
Butanone, 2-	17	**1.7**	**0.38 J**	0.59 U	0.59 U	0.59 U	1.2 U	1.2 U	0.59 U	**0.65 J**	1.2 U	**29.5**	**10**	**6.2 J**	**18.9**
Carbon disulfide	NE	**23**	**2.2**	**0.41 J**	0.84 U	**2.6**	**1.2**	**0.50 J**	0.62 U	**2.0**	**0.93 J**	**2.3**	2.3 U	2.3 U	13.1 U
Carbon tetrachloride	1	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	2.5 U	2.5 U	**0.38 J**	2.5 U	2.5 U	4.6 U	4.7 U	4.7 U	26.4 U
Chlorobenzene	<0.25	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	1.8 U	0.92 U	1.8 U	1.8 U	3.4 U	3.4 U	3.4 U	19.3 U
Chloroethane	0.4	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	1.0 U	1.0 U	0.53 U	1.0 U	1.0 U	1.9 U	2 U	2 U	11.1 U
Chloroform	0.5	**9.2**	**9.8**	**1.3**	**1.6**	**5.9**	**3.0**	**0.68 J**	**0.63 J**	**4.2**	**12**	3.6 U	3.6 U	3.6 U	20.5 U
Chloromethane	4.6	0.41 U	0.41 U	**0.26 J**	**0.23 J**	0.41 UJ	0.83 UJ	**0.37 J**	**0.12 J**	**0.50 J**	0.83 U	6 U	6.2 U	6.2 U	35.1 U
Chlorotoluene, 2-	NE	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.1 U	2.1 U	1.0 U	2.1 U	2.1 U	NA	NA	NA	NA
Cryofluorane	1.3	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	2.8 U	2.8 U	1.4 U	2.8 U	2.8 U	5.1 U	5.2 U	5.2 U	29.4 U
Cyclohexane	3	**2.1**	**0.34 J**	0.69 U	0.69 U	**0.24 J**	1.4 U	1.4 U	**0.21 J**	1.4 U	1.4 U	2.5 U	**6.9**	2.5 U	14.5 U
Decane, n-	3.6	**48**	1.2 U	1.2 U	1.2 U	1.2 U	2.3 U	2.3 U	1.2 U	2.3 U	**0.81 J**	NA	NA	NA	NA
Dibromochloromethane	NE	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	3.4 U	3.4 U	1.7 U	3.4 U	3.4 U	6.2 U	6.3 U	6.3 U	35.8 U
Dibromoethane, 1,2-	<0.25	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.1 U	3.1 U	1.5 U	3.1 U	3.1 U	5.6 U	5.7 U	5.7 U	32.3 U
Dichlorobenzene, 1,2-	0.9	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	2.4 U	2.4 U	1.2 U	2.4 U	2.4 U	4.4 U	4.4 U	4.4 U	25.3 U
Dichlorobenzene, 1,3-	0.7	**4.3**	1.2 U	1.2 U	1.2 U	1.2 U	2.4 U	2.4 U	1.2 U	2.4 U	2.4 U	4.4 U	4.4 U	4.4 U	25.3 U
Dichlorobenzene, 1,4-	0.8	**0.36 J**	1.2 U	1.2 U	1.2 U	1.2 U	2.4 U	2.4 U	1.2 U	2.4 U	2.4 U	4.4 U	4.4 U	4.4 U	25.3 U
Dichlorodifluoromethane	11	**2.7**	**2.8**	**2.3**	**2.9**	**2.5**	**2.7**	**2.4**	**2.2**	**2.0**	**2.5**	3.6 U	3.7 U	3.7 U	20.8 U
Dichloroethane, 1,1-	<0.25	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	1.6 U	1.6 U	0.81 U	1.6 U	1.6 U	3 U	3 U	3 U	17 U
Dichloroethane, 1,2-	<0.25	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	1.6 U	1.6 U	0.81 U	1.6 U	1.6 U	3 U	3 U	3 U	17 U
Dichloroethene, 1,1-	<0.25	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	1.6 U	0.79 U	1.6 U	1.6 U	2.9 U	2.9 U	2.9 U	16.7 U
Dichloroethene, cis-1,2-	<0.25	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	1.6 U	0.79 U	1.6 U	1.6 U	2.9 U	2.9 U	2.9 U	16.7 U
Dichloropropane, 1,2-	<0.25	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	1.8 U	0.92 U	1.8 U	1.8 U	3.4 U	3.4 U	3.4 U	19.4 U
Dichloropropene, cis-1,3	<0.25	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	1.8 U	1.8 U	0.91 U	1.8 U	1.8 U	3.3 U	3.4 U	3.4 U	19.1 U
Dichloropropene, trans-1,3	<0.25	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	1.8 U	1.8 U	0.91 U	1.8 U	1.8 U	3.3 U	3.4 U	3.4 U	19.1 U
Dioxane, 1,4-	NE	0.72 U	0.72 U	0.72 U	0.72 U	0.72 UJ	1.4 U	1.4 U	0.72 U	1.4 U	1.4 U	10.5 U	10.8 U	10.8 U	61.3 U
Dodecane, n-	7.6	**34 J**	**0.35 J**	1.4 UJ	1.4 U	**0.65 J**	**1.2 J**	2.8 UJ	**0.35 J**	**0.97 J**	**0.97 J**	NA	NA	NA	NA
Ethanol	220	**2.6**	**1.1 J**	**0.54 J**	1.9 U	3.3 U	3.8 U	3.8 U	1.9 U	3.8 U	**1.3 J**	**156.4**	**26.4**	**12.2**	**98**
Ethylthiophene, 2-	NE	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	1.8 U	0.92 U	1.8 U	1.8 U	NA	NA	NA	NA
Ethyltoluene, p-	NE	**0.39 J**	0.98 U	0.98 U	0.98 U	0.98 U	2.0 U	2.0 U	0.98 U	2.0 U	2.0 U	**9.3**	**54.1**	**11.3**	20.6 U
Heptane, n-	5.1	**0.61 J**	0.82 U	0.82 U	0.82 U	0.82 U	1.6 U	1.6 U	0.82 U	1.6 U	1.6 U	**5.3**	**12.3**	3 U	17.2 U
Hexachlorobutadiene	7	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.3 U	4.3 U	2.1 U	4.3 U	4.3 U	30.9 U	32 U	32 U	181.3 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-05 6/23/2008	OU2SG-05 9/22/2008	OU2SG-05 12/29/2008	OU2SG-05 3/31/2009	OU2SG-05 6/17/2009	OU2SG-05 9/23/2009	OU2SG-05 12/29/2009	OU2SG-05 3/25/2010	OU2SG-05 6/8/2010	OU2SG-05 9/21/2010	OU2SG-06 5/5/2005	OU2SG-06 8/30/2005	OU2SG-06 2/2/2006	OU2SG-06 6/14/2006
Hexane, n-	3.6	**0.39 J**	0.70 U	0.70 U	0.70 U	0.70 U	1.4 U	1.4 U	**0.28 J**	1.4 U	1.4 U	**6.7**	**10.9**	**7.8**	14.8 U
Hexanone, 2-	NE	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	1.6 U	1.6 U	0.82 U	1.6 U	1.6 U	11.9 U	12.3 U	12.3 U	69.6 U
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	1.9 U	1.9 U	0.97 U	1.9 U	1.9 U	NA	NA	NA	NA
Indene	NE	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	1.9 U	1.9 U	0.95 U	1.9 U	1.9 U	NA	NA	NA	NA
Isopropyl benzene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.6 U	**4.9**	3.6 U	20.6 U
Methyl tert-butyl ether	5.9	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	1.4 U	1.4 U	0.72 U	1.4 U	1.4 U	2.6 U	**23.8**	2.7 U	15.1 U
Methyl-2-pentanone, 4-	2.9	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	1.6 U	1.6 U	0.82 U	1.6 U	1.6 U	3 U	3 U	3 U	17.2 U
Methylene chloride	2.9	2.1 U	1.5 U	1.7 U	1.7 U	1.7 U	3.5 U	3.5 U	**0.52 J**	**2.0 J**	**4.6 J**	2.5 U	2.6 U	2.6 U	14.6 U
Methylnaphthalene, 1-	NE	2.9 UJ	1.2 U	R	5.8 U	1.2 U	2.3 UJ	2.3 U	2.9 UJ	5.8 U	5.8 U	NA	NA	NA	NA
Methylnaphthalene, 2-	NE	2.9 UJ	1.2 U	14 UJ	5.8 U	1.2 U	2.3 U	2.3 U	2.9 UJ	5.8 U	5.8 U	NA	NA	NA	NA
Methylthiophene, 2-	NE	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	1.6 U	1.6 U	0.80 U	1.6 U	1.6 U	NA	NA	NA	NA
Methylthiophene, 3-	NE	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	1.6 U	1.6 U	0.80 U	1.6 U	1.6 U	NA	NA	NA	NA
Naphthalene	10	**1.1**	1.0 U	1.0 UJ	1.0 U	1.0 U	2.1 U	2.1 U	1.0 U	2.1 U	2.1 U	15.2 UJ	15.7 U	15.7 U	89.1 UJ
Nonane	1.2	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	2.1 U	2.1 U	1.0 U	2.1 U	2.1 U	NA	NA	NA	NA
Octane, n-	2.1	**200**	**0.75 J**	0.93 U	0.93 U	0.93 U	1.9 U	1.9 U	0.93 U	1.9 U	1.9 U	NA	NA	NA	NA
Pentane	NE	**0.80**	0.59 U	**0.45 J**	0.59 U	**0.31 J**	1.2 U	1.2 U	**2.0**	1.2 U	1.2 U	NA	NA	NA	NA
Propanol, 2-	NE	1.2 UJ	0.49 U	**0.44 J**	0.52 U	1.2 U	**1.6 J**	2.5 U	**0.66 J**	2.5 U	2.5 U	**16.2**	7.4 U	7.4 U	41.8 U
Propylbenzene, n-	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.6 U	**10.8**	3.6 U	20.6 U
Styrene	0.6	**0.43 J**	0.85 U	0.85 U	0.85 U	0.85 U	1.7 U	1.7 U	0.85 U	1.7 U	1.7 U	3.1 U	**4.1**	3.2 U	17.9 U
t-Butyl alcohol	NE	**1.7 J**	0.61 U	0.61 U	0.61 U	0.61 U	1.2 U	1.2 U	0.61 U	1.2 U	1.2 U	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	2.7 U	2.7 U	1.4 U	2.7 U	2.7 U	5 U	5.1 U	5.1 U	28.8 U
Tetrachloroethene	1.6	**16**	**1.8**	1.4 U	**0.34 J**	1.4 U	**1.5 J**	2.7 U	1.4 U	**1.3 J**	**1.5 J**	**5**	**12.2**	**16.3**	**32.6**
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.2 U	2.2 U	**2.2 J**	12.4 U
Tetramethylbenzene, 1,2,4,5-	NE	**2.1 J**	1.1 U	1.1 U	5.5 U	1.1 U	2.2 U	2.2 U	1.1 U	2.2 U	2.2 U	NA	NA	NA	NA
Thiophene	NE	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	1.4 U	1.4 U	0.69 U	1.4 U	1.4 U	NA	NA	NA	NA
Trans-1,2-dichloroethene	NE	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	1.6 U	0.79 U	1.6 U	1.6 U	2.9 U	2.9 U	2.9 U	16.7 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	**0.61 J**	**0.54 J**	**0.59 J**	**0.61 J**	1.5 U	**0.92 J**	3.1 U	**0.54 J**	3.1 U	3.1 U	5.6 U	5.7 U	5.7 U	32.2 U
Trichlorobenzene, 1,2,4-	4.8	1.5 U	1.5 U	1.5 UJ	1.5 U	1.5 U	3.0 U	3.0 U	1.5 U	3.0 U	3.0 U	21.5 U	22.3 U	22.3 U	126.2 U
Trichloroethane, 1,1,1-	0.7	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	2.2 U	1.1 U	2.2 U	2.2 U	4 U	4 U	4 U	22.9 U
Trichloroethane, 1,1,2-	<0.25	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	2.2 U	1.1 U	2.2 U	2.2 U	4 U	4 U	4 U	22.9 U
Trichloroethene	0.5	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	2.2 U	1.1 U	2.2 U	2.2 U	3.9 U	4 U	4 U	22.6 U
Trichlorofluoromethane	6.1	**2.8**	**2.0**	**1.4**	**1.5**	**2.4**	**2.7 J**	**1.1 J**	**1.3**	**1.6 J**	**1.8 J**	4.1 U	4.2 U	4.2 U	23.6 U
Trimethylbenzene, 1,2,3-	0.6	**2.6**	0.98 U	0.98 U	0.98 U	0.98 U	2.0 U	2.0 U	0.98 U	2.0 U	2.0 U	NA	NA	NA	NA
Trimethylbenzene, 1,2,4-	2.5	**0.69 J**	0.98 U	0.98 U	0.98 U	0.98 U	2.0 U	2.0 U	0.98 U	2.0 U	2.0 U	**8.8**	**47.2**	**8.4**	20.6 U
Trimethylbenzene, 1,3,5-	1	**1.3**	0.98 U	0.98 U	0.98 U	0.98 U	2.0 U	2.0 U	0.98 U	2.0 U	2.0 U	3.6 U	**16.2**	3.6 UJ	20.6 U
Trimethylpentane, 2,2,4-	2	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	1.9 U	1.9 U	0.93 U	1.9 U	1.9 U	**3.5**	**15.4**	**981.1**	**5139.2**
Undecane, n-	2.3	**8.2**	1.3 UJ	1.3 U	1.3 U	1.3 U	2.6 U	2.6 U	1.3 U	2.6 U	**2.6**	NA	NA	NA	NA
Vinyl bromide	NE	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	1.8 U	1.8 U	0.87 U	1.8 U	1.8 U	NA	NA	NA	NA
Vinyl chloride	<0.25	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	1.0 U	1.0 U	0.51 U	1.0 U	1.0 U	1.9 U	1.9 U	1.9 U	10.7 U
Other (%)															
Carbon Dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NE	**0.436**	**0.429**	**0.661**	**1.91**	**3.41**	**0.17**	**0.118**	**0.208**	**0.254**	**0.195**	NA	NA	NA	NA

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-06 9/7/2006	OU2SG-06 2/21/2007	OU2SG-06 6/13/2007	OU2SG-06 9/19/2007	OU2SG-06 12/18/2007	OU2SG-06 4/3/2008	OU2SG-06 6/25/2008	OU2SG-06 9/24/2008	OU2SG-06 12/29/2008	OU2SG-06 3/13/2009	OU2SG-06 6/25/2009	OU2SG-06 9/22/2009	OU2SG-06 12/30/2009	Duplicate of: OU2SG-06 12/30/2009
BTEX (ug/m^3)															
Benzene	5.8	**11.5**	**0.65 J**	1.3 U	**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	1.3 U	1.3 U
Toluene	21	**128.1**	**4.9**	**73**	**15**	**26**	**4.0**	**6.5**	**2.1**	**0.32 J**	0.75 U	**0.41 J**	1.5 U	1.5 U	1.5 U
Ethylbenzene	1.9	**30.8**	**2.0**	**1.1 J**	**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	1.7 U	1.7 U
Xylene, m,p-	3.1	**108.6**	**5.5**	**13**	**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	3.5 U	3.5 U
Xylene, o-	2.5	**29.5**	**2.5**	**7.3**	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	1.7 U	1.7 U
Other VOCs (ug/m^3)															
Acetaldehyde	NE	NA	**4.0 J**	**260**	**25**	3.3 U	4.5 U	7.1 U	**3.9 J**	**6.1**	2.2 U	**7.5**	**4.8 J**	9.0 U	9.0 U
Acetone	58	**235.2**	**12**	**15**	**6.4**	2.0 U	1.4 U	4.1 U	**0.99**	2.5 U	2.4 U	**8.0**	5.1 UJ	3.6 U	3.6 U
Acrolein (propenal)	NE	NA	0.93 U	**1.5 J**	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	2.3 U	2.3 U
Allyl chloride	NE	9.4 U	1.3 U	1.3 U	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	1.2 U	1.2 U
Benzothiophene	NE	NA	11 UJ	2.2 UJ	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	2.2 U	2.2 U
Bromodichloromethane	NE	5.1 U	2.7 U	2.7 U	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	2.7 U	2.7 U
Bromoform	NE	7.9 U	4.2 U	4.2 U	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	4.1 U	4.1 U
Bromomethane	0.9	3 U	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	1.6 U	1.6 U	1.6 U
Butadiene, 1,3-	NE	**5.8**	0.90 U	0.9 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	0.88 U	0.88 U
Butane	NE	NA	**22**	0.96 U	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**	0.95 U	0.95 U
Butanone, 2-	17	**13.9**	**1.9 J**	1.2 UJ	**1.4**	**0.59**	1.5 U	**0.71**	0.59 U	**0.43 J**	0.59 U	**0.83**	1.2 U	1.2 U	1.2 U
Carbon disulfide	NE	**3.1**	**0.89 J**	**9.8 J**	**4.0**	**2.8**	**1.6**	**8.8**	**1.3**	**0.16 J**	0.62 U	**0.19 J**	**0.56 J**	1.2 U	1.2 U
Carbon tetrachloride	1	4.8 U	2.6 U	2.6 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	2.5 U	2.5 U	2.5 U
Chlorobenzene	<0.25	3.5 U	1.9 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	1.8 U	1.8 U	1.8 U
Chloroethane	0.4	2 U	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	1.0 U	1.0 U	1.0 U
Chloroform	0.5	3.7 U	**1.8 J**	2 U	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	2.0 U	2.0 U
Chloromethane	4.6	6.2 U	0.84 U	0.84 U	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	0.83 U	0.83 U
Chlorotoluene, 2-	NE	NA	2.1 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	2.1 U	2.1 U	2.1 U
Cryofluorane	1.3	5.3 U	2.8 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	2.8 U	2.8 U	2.8 U
Cyclohexane	3	2.6 U	**0.91 J**	**200**	**25**	**91**	**42**	**4.7**	**0.93**	**0.28 J**	0.69 U	0.69 U	1.4 U	1.4 U	1.4 U
Decane, n-	3.6	NA	**1.2 J**	**22**	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	2.3 U	2.3 U
Dibromochloromethane	NE	6.5 U	3.5 U	3.5 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	3.4 U	3.4 U	3.4 U
Dibromoethane, 1,2-	<0.25	5.8 U	3.1 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	3.1 U	3.1 U	3.1 U
Dichlorobenzene, 1,2-	0.9	4.6 U	2.4 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	2.4 U	2.4 U	2.4 U
Dichlorobenzene, 1,3-	0.7	4.6 U	2.4 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	2.4 U	2.4 U	2.4 U
Dichlorobenzene, 1,4-	0.8	4.6 U	2.4 UJ	2.4 U	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	2.4 U	2.4 U
Dichlorodifluoromethane	11	3.8 U	**2.4**	**3**	**2.8**	**2.2**	**2.1**	**2.0**	**2.6**	**2.7**	**2.0**	**2.4**	**2.8**	**2.0**	**2.1**
Dichloroethane, 1,1-	<0.25	3.1 U	1.6 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	1.6 U	1.6 U	1.6 U
Dichloroethane, 1,2-	<0.25	3.1 U	1.6 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	1.6 U	1.6 U	1.6 U
Dichloroethene, 1,1-	<0.25	3 U	1.6 U	1.6 U	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	1.6 U	1.6 U
Dichloroethene, cis-1,2-	<0.25	3 U	1.6 U	1.6 U	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	1.6 U	1.6 U
Dichloropropane, 1,2-	<0.25	3.5 U	1.9 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	1.8 U	1.8 U	1.8 U
Dichloropropene, cis-1,3	<0.25	3.4 U	1.8 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	1.8 U	1.8 U	1.8 U
Dichloropropene, trans-1,3	<0.25	3.4 U	1.8 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	1.8 U	1.8 U	1.8 U
Dioxane, 1,4-	NE	10.8 U	3.7 U	3.6 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	1.4 U	1.4 U	1.4 U
Dodecane, n-	7.6	NA	**1.1 J**	**9.2**	**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	2.8 UJ	2.8 UJ
Ethanol	220	**30.1**	**37**	**9**	**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	3.8 U	3.8 U
Ethylthiophene, 2-	NE	NA	1.9 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	1.8 U	1.8 U	1.8 U
Ethyltoluene, p-	NE	**43.8**	**0.80 J**	2 U	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	2.0 U	2.0 U
Heptane, n-	5.1	**10.7**	**0.67 J**	**2.7**	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	1.6 U	1.6 U
Hexachlorobutadiene	7	32 UJ	4.4 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	4.3 U	4.3 U	4.3 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-06 9/7/2006	OU2SG-06 2/21/2007	OU2SG-06 6/13/2007	OU2SG-06 9/19/2007	OU2SG-06 12/18/2007	OU2SG-06 4/3/2008	OU2SG-06 6/25/2008	OU2SG-06 9/24/2008	OU2SG-06 12/29/2008	OU2SG-06 3/13/2009	OU2SG-06 6/25/2009	OU2SG-06 9/22/2009	OU2SG-06 12/30/2009	Duplicate of: OU2SG-06 12/30/2009
Hexane, n-	3.6	**10.6**	**1.9**	**300**	**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	1.4 U	1.4 U
Hexanone, 2-	NE	12.3 U	4.2 U	1.7 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	1.6 U	1.6 U
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	14.5 U	**0.69 J**	2 U	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	1.9 U	1.9 U
Indene	NE	14.3 U	1.9 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	1.9 U	1.9 U	1.9 U
Isopropyl benzene	0.4	3.7 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	5.9	2.7 U	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	1.4 U	1.4 U	1.4 U
Methyl-2-pentanone, 4-	2.9	3.1 U	**0.67 J**	1.7 U	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	1.6 U	1.6 U
Methylene chloride	2.9	2.6 U	**3.5 J**	**8**	**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	3.5 U	3.5 U
Methylnaphthalene, 1-	NE	NA	30 U	**1.2 J**	2.7 U	14 UJ	1.2 UJ	**0.52 J**	1.2 UJ	R	1.2 U	1.2 U	2.3 UJ	2.3 U	2.3 U
Methylnaphthalene, 2-	NE	NA	30 U	**2.2 J**	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	2.3 U	2.3 U
Methylthiophene, 2-	NE	NA	1.6 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	2.0 U	1.6 U	1.6 U	1.6 U
Methylthiophene, 3-	NE	NA	1.6 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	1.6 U	1.6 U	1.6 U
Naphthalene	10	15.7 U	5.3 U	**1.2 J**	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	2.1 U	2.1 U
Nonane	1.2	NA	**1.1 J**	2.1 U	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	2.1 U	2.1 U
Octane, n-	2.1	NA	**0.67 J**	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	1.9 U	1.9 U	1.9 U
Pentane	NE	NA	**3.2**	1.2 U	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	1.2 U	**1.1 J**
Propanol, 2-	NE	7.4 U	**2.4**	**2.5 J**	**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**	2.5 U	2.5 U
Propylbenzene, n-	0.5	**10.8**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.6	3.2 U	1.7 U	1.7 U	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	1.7 U	1.7 U
t-Butyl alcohol	NE	NA	1.2 U	**1.4**	**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	1.2 U	1.2 U
Tetrachloroethane, 1,1,2,2-	<0.25	5.2 U	2.8 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	2.7 U	2.7 U	2.7 U
Tetrachloroethene	1.6	**24.4**	**0.83 J**	**2.4 J**	**1.9 J**	**0.41 J**	**0.62 J**	**3.3**	**2.0**	1.4 U	1.4 U	**2.3**	**1.5 J**	2.7 U	2.7 U
Tetrahydrofuran	0.4	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	NA	2.2 U	**4**	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	2.2 U	2.2 U
Thiophene	NE	NA	1.4 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	1.4 U	1.4 U	1.4 U
Trans-1,2-dichloroethene	NE	3 U	1.6 U	1.6 U	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	1.6 U	1.6 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	5.8 U	3.1 U	3.1 U	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	3.1 U	3.1 U
Trichlorobenzene, 1,2,4-	4.8	22.3 UJ	3.0 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	3.0 U	3.0 U	3.0 U
Trichloroethane, 1,1,1-	0.7	4.1 U	2.2 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	2.2 U	2.2 U	2.2 U
Trichloroethane, 1,1,2-	<0.25	4.1 U	2.2 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	2.2 U	2.2 U	2.2 U
Trichloroethene	0.5	4.1 U	2.2 U	2.2 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	2.2 U	2.2 U
Trichlorofluoromethane	6.1	4.3 U	**1.5 J**	2.3 U	**1.6 J**	**1.1**	**1.9**	**1.8**	**1.5**	**1.6**	**1.2**	**2.2**	**1.9 J**	**1.1 J**	**1.1 J**
Trimethylbenzene, 1,2,3-	0.6	NA	**1.4 J**	**1.7 J**	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	2.0 U	2.0 U
Trimethylbenzene, 1,2,4-	2.5	**54.1 J**	**2.8**	**1.2 J**	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	2.0 U	2.0 U
Trimethylbenzene, 1,3,5-	1	**14.3**	**1.2 J**	2 U	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	2.0 U	2.0 U
Trimethylpentane, 2,2,4-	2	**934.4**	**1.1 J**	**1.4 J**	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	1.9 U	1.9 U
Undecane, n-	2.3	NA	**1.0 J**	2.6 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	2.6 U	2.6 U	2.6 U
Vinyl bromide	NE	NA	1.8 U	1.8 U	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	1.8 U	1.8 U
Vinyl chloride	<0.25	1.9 U	1.0 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	1.0 U	1.0 U	1.0 U
Other (%)															
Carbon Dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NE	NA	NA	NA	NA	NA	NA	NA	0.0184 U	**0.0157**	0.0181 U	0.0158	0.00349 U	0.0174 U	0.0173 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-06 3/20/2010	OU2SG-06 6/9/2010	OU2SG-06 9/18/2010	OU2SG-07 5/25/2005	OU2SG-07 8/30/2005	OU2SG-07 2/1/2006	OU2SG-07 6/14/2006	OU2SG-07 9/7/2006	OU2SG-07 2/21/2007	OU2SG-07 5/24/2007	OU2SG-07 9/12/2007	OU2SG-07 12/19/2007	OU2SG-07 4/3/2008	OU2SG-07 6/24/2008
BTEX (ug/m^3)															
Benzene	5.8	1.3 U	1.3 U	1.3 U	**4.5**	**6.7**	**13.4**	7.7 U	**15.7**	**0.43 J**	**0.81 J**	1.4 U	**0.16 J**	0.64 U	0.64 U
Toluene	21	1.5 U	1.5 U	**0.45 J**	**17**	**90.4**	**109.3**	**21.1**	**135.7**	**5.4**	**1100**	**23**	**16**	**10**	**0.94**
Ethylbenzene	1.9	1.7 U	1.7 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**	**0.56 J**	**0.69 J**
Xylene, m,p-	3.1	3.5 U	3.5 U	3.5 U	5.2 U	**104.2**	**65.1**	**14.8**	**112.9**	**6.4**	**67**	**1.3 J**	**0.61 J**	**1.7 J**	**2.0**
Xylene, o-	2.5	1.7 U	1.7 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**	**0.41 J**	**0.91**
Other VOCs (ug/m^3)															
Acetaldehyde	NE	**4.4 J**	**4.3 J**	**60**	NA	NA	NA	NA	NA	0.82 UJ	**130 J**	**85**	1.8 U	4.5 U	**32**
Acetone	58	**1.4 J**	**2.1 J**	**25**	**130.6**	**261.3**	**135.4**	**192.4**	**285.1**	**12**	**20 J**	**11**	2.6 U	2.5 U	**17**
Acrolein (propenal)	NE	2.3 U	2.3 U	**2.2 J**	NA	NA	NA	NA	NA	1.0 U	**1.4 J**	1.0 U	0.46 U	1.2 U	**0.34 J**
Allyl chloride	NE	1.2 U	1.2 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	0.63 U	0.63 UJ
Benzothiophene	NE	2.2 U	2.2 U	5.5 U	NA	NA	NA	NA	NA	12 UJ	5.5 U	30 U	1.1 U	1.1 UJ	1.1 U
Bromodichloromethane	NE	2.7 U	2.7 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	1.3 U	1.3 U
Bromoform	NE	4.1 U	4.1 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	2.1 U	2.1 U
Bromomethane	0.9	1.6 U	1.6 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	0.78 U	0.78 U
Butadiene, 1,3-	NE	0.88 U	0.88 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	0.44 U	0.44 U
Butane	NE	0.95 U	0.95 U	0.95 U	NA	NA	NA	NA	NA	1.1 U	0.95 U	1.0 U	0.48 U	0.48 U	**0.17 J**
Butanone, 2-	17	1.2 U	1.2 U	**4.7**	**6.2**	**7.4**	**20.6**	**7.4**	**18.9**	**1.4 J**	**4.6**	**5.2**	**0.50 J**	**0.42 J**	**1.7**
Carbon disulfide	NE	1.2 U	**1.9**	**3.4**	3.7 U	**5.3**	**21.8**	**15.3**	**3**	1.4 U	**5.7 J**	**7.4**	**0.37 J**	**3.1**	**0.40 J**
Carbon tetrachloride	1	2.5 U	2.5 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	1.3 U	1.3 U
Chlorobenzene	<0.25	1.8 U	1.8 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	0.92 U	0.92 U
Chloroethane	0.4	1.0 U	1.0 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	0.53 U	0.53 U
Chloroform	0.5	2.0 U	**0.67 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**	**0.75 J**	**2.9**
Chloromethane	4.6	0.83 U	0.83 U	**0.54 J**	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	**0.48**	0.41 U
Chlorotoluene, 2-	NE	2.1 U	2.1 U	2.1 U	NA	NA	NA	NA	NA	2.4 U	2.1 U	2.3 U	1.0 U	1.0 U	1.0 U
Cryofluorane	1.3	2.8 U	2.8 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	1.4 U	1.4 U
Cyclohexane	3	1.4 U	1.4 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**	**0.53 J**	0.69 U
Decane, n-	3.6	2.3 U	2.3 U	2.3 U	NA	NA	NA	NA	NA	**1.1 J**	**18**	2.6 U	1.2 U	1.2 U	**61**
Dibromochloromethane	NE	3.4 U	3.4 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	1.7 U	1.7 U
Dibromoethane, 1,2-	<0.25	3.1 U	3.1 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	1.5 U	1.5 U
Dichlorobenzene, 1,2-	0.9	2.4 U	2.4 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	1.2 U	1.2 U
Dichlorobenzene, 1,3-	0.7	2.4 U	2.4 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	1.2 U	**5.5**
Dichlorobenzene, 1,4-	0.8	2.4 U	2.4 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**	**0.85 J**	**0.48 J**
Dichlorodifluoromethane	11	**2.3**	**2.9**	**2.8**	**5.9**	4 U	8.9 U	11.9 U	**6.4**	**5.3**	**3.4**	**5.2**	**5.9**	**2.9**	**4.6**
Dichloroethane, 1,1-	<0.25	1.6 U	1.6 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	0.81 U	0.81 U
Dichloroethane, 1,2-	<0.25	1.6 U	1.6 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	0.81 U	0.81 U
Dichloroethene, 1,1-	<0.25	1.6 U	1.6 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	0.79 U	0.79 U
Dichloroethene, cis-1,2-	<0.25	1.6 U	1.6 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	0.79 U	0.79 U
Dichloropropane, 1,2-	<0.25	1.8 U	1.8 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	0.92 U	0.92 U
Dichloropropene, cis-1,3	<0.25	1.8 U	1.8 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	0.91 U	0.91 U
Dichloropropene, trans-1,3	<0.25	1.8 U	1.8 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	0.91 U	0.91 U
Dioxane, 1,4-	NE	1.4 U	1.4 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	0.72 U	0.72 U
Dodecane, n-	7.6	**0.97 J**	**1.6 J**	**2.0 J**	NA	NA	NA	NA	NA	**1.6 J**	**13**	**2.0 J**	**0.56 J**	**0.68 J**	**37 J**
Ethanol	220	3.8 U	**1.7 J**	**43**	**433.4**	**20.7**	**54.6**	18.3 U	**43.3**	**31**	**6.3**	**35**	2.7 U	**30**	**2.4**
Ethylthiophene, 2-	NE	1.8 U	1.8 U	1.8 U	NA	NA	NA	NA	NA	2.1 U	1.8 U	2.0 U	0.92 U	0.92 U	0.92 U
Ethyltoluene, p-	NE	2.0 U	2.0 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	0.98 U	**0.49 J**
Heptane, n-	5.1	1.6 U	1.6 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	0.82 UJ	**1.2 J**
Hexachlorobutadiene	7	4.3 U	4.3 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	2.1 U	2.1 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-06 3/20/2010	OU2SG-06 6/9/2010	OU2SG-06 9/18/2010	OU2SG-07 5/25/2005	OU2SG-07 8/30/2005	OU2SG-07 2/1/2006	OU2SG-07 6/14/2006	OU2SG-07 9/7/2006	OU2SG-07 2/21/2007	OU2SG-07 5/24/2007	OU2SG-07 9/12/2007	OU2SG-07 12/19/2007	OU2SG-07 4/3/2008	OU2SG-07 6/24/2008
Hexane, n-	3.6	1.4 U	1.4 U	1.4 U	**6.3 J**	**9.5**	**13.4**	8.5 U	**14.8**	**1.8**	**76**	**4.5**	0.70 U	0.70 U	0.70 U
Hexanone, 2-	NE	1.6 U	1.6 U	**0.57 J**	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	0.82 U	0.82 U
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	1.9 U	1.9 U	1.9 U	NA	NA	NA	NA	14.5 U	**0.66 J**	**1.9 J**	2.1 U	0.97 U	0.97 U	**0.72 J**
Indene	NE	1.9 U	1.9 UJ	1.9 U	NA	NA	NA	NA	14.3 U	2.2 U	1.9 U	2.1 U	0.95 U	0.95 U	0.95 U
Isopropyl benzene	0.4	NA	NA	NA	5.9 U	3.9 U	8.8 U	11.8 U	3.6 U	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	5.9	1.4 U	1.4 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	0.72 U	0.72 U
Methyl-2-pentanone, 4-	2.9	1.6 U	1.6 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	0.82 U	0.82 U
Methylene chloride	2.9	**0.90 J**	**1.4 J**	**5.1 J**	4.2 U	2.8 U	6.3 U	**55.6**	2.6 U	**30**	**21**	**10**	0.94 U	1.7 U	1.7 U
Methylnaphthalene, 1-	NE	5.8 UJ	5.8 U	5.8 U	NA	NA	NA	NA	NA	33 U	**1.3 J**	13 U	14 UJ	1.2 UJ	2.9 UJ
Methylnaphthalene, 2-	NE	5.8 UJ	5.8 U	5.8 U	NA	NA	NA	NA	NA	33 U	**2.3 J**	32 U	14 U	1.2 UJ	2.9 UJ
Methylthiophene, 2-	NE	1.6 U	1.6 U	1.6 U	NA	NA	NA	NA	NA	1.8 U	1.6 U	1.8 U	0.80 U	0.80 U	0.80 U
Methylthiophene, 3-	NE	1.6 U	1.6 U	1.6 U	NA	NA	NA	NA	NA	1.8 U	1.6 U	1.8 U	0.80 U	0.80 U	0.80 U
Naphthalene	10	2.1 U	2.1 U	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	1.0 U	**1.0**
Nonane	1.2	2.1 U	2.1 U	2.1 U	NA	NA	NA	NA	NA	**1.2 J**	**8.4**	2.3 U	1.0 U	1.0 U	**1.2**
Octane, n-	2.1	1.9 U	1.9 U	1.9 U	NA	NA	NA	NA	NA	**0.53 J**	**1.8 J**	2.1 U	0.93 U	0.93 U	**240**
Pentane	NE	1.2 U	1.2 U	1.2 U	NA	NA	NA	NA	NA	1.3 U	1.2 U	1.3 U	**1.5**	0.59 U	**0.35 J**
Propanol, 2-	NE	2.5 U	2.5 U	**3.5**	**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**	**0.40 J**	1.2 UJ
Propylbenzene, n-	0.5	NA	NA	NA	5.9 U	**8.4**	8.8 U	11.8 U	**10.3**	NA	NA	NA	NA	NA	NA
Styrene	0.6	1.7 U	1.7 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	0.85 U	**0.55 J**
t-Butyl alcohol	NE	1.2 U	1.2 U	**1.6**	NA	NA	NA	NA	NA	1.4 U	**0.85 J**	**0.80 J**	0.61 U	0.61 U	**1.8**
Tetrachloroethane, 1,1,2,2-	<0.25	2.7 U	2.7 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	1.4 U	1.4 U
Tetrachloroethene	1.6	2.7 U	**36**	**2.2 J**	8.1 U	**29.2**	**27.8**	**23.1**	**39.3**	**4.6**	**26**	**35**	**4.7**	**7.4**	**30**
Tetrahydrofuran	0.4	NA	NA	NA	3.5 U	2.4 U	5.3 U	7.1 U	2.2 U	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	2.2 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	2.5 U	**10 J**	**3.4 J**	1.1 U	**0.28 J**	**2.9 J**
Thiophene	NE	1.4 U	1.4 U	1.4 U	NA	NA	NA	NA	NA	1.6 U	1.4 U	1.5 UJ	0.69 U	0.69 U	0.69 U
Trans-1,2-dichloroethene	NE	1.6 U	1.6 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	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	3.1 U	3.1 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	**0.46 J**	**0.48 J**	**0.61 J**
Trichlorobenzene, 1,2,4-	4.8	3.0 U	3.0 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	1.5 U	1.5 U
Trichloroethane, 1,1,1-	0.7	2.2 U	**0.67 J**	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	1.1 U	1.1 U
Trichloroethane, 1,1,2-	<0.25	2.2 U	2.2 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	1.1 U	1.1 U
Trichloroethene	0.5	2.2 U	**1.5 J**	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	1.1 U	**0.59 J**
Trichlorofluoromethane	6.1	**1.8 J**	**1.7 J**	**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**	**1.7**	**1.7**
Trimethylbenzene, 1,2,3-	0.6	2.0 U	2.0 U	2.0 U	NA	NA	NA	NA	NA	**1.7 J**	**4.3**	2.2 U	0.98 U	0.98 U	**3.3**
Trimethylbenzene, 1,2,4-	2.5	2.0 U	2.0 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	0.98 U	**0.84 J**
Trimethylbenzene, 1,3,5-	1	2.0 U	2.0 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	0.98 U	**1.6**
Trimethylpentane, 2,2,4-	2	1.9 U	1.9 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	0.93 UJ	0.93 U
Undecane, n-	2.3	2.6 U	**0.83 J**	2.6 U	NA	NA	NA	NA	NA	**1.0 J**	**20**	2.8 U	**0.51 J**	1.3 U	**11**
Vinyl bromide	NE	1.8 U	1.8 U	1.8 U	NA	NA	NA	NA	NA	2.0 U	1.8 U	1.9 U	0.87 U	0.87 U	0.87 U
Vinyl chloride	<0.25	1.0 U	1.0 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	0.51 U	0.51 U
Other (%)															
Carbon Dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NE	0.017 U	0.0176 U	0.017 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-07 9/19/2008	OU2SG-07 12/23/2008	OU2SG-07 3/12/2009	OU2SG-07 6/8/2009	OU2SG-07 9/21/2009	OU2SG-07 12/18/2009	OU2SG-07 3/25/2010	OU2SG-07 6/8/2010	OU2SG-07 9/10/2010	OU2SG-08 5/25/2005	OU2SG-08 8/31/2005	OU2SG-08 2/2/2006	OU2SG-08 6/15/2006	OU2SG-08 9/8/2006
BTEX (ug/m^3)															
Benzene	5.8	0.64 U	0.64 U	0.64 U	**0.38 J**	1.3 U	1.3 U	0.64 U	1.3 U	1.3 U	**5.1**	**5.4**	2.2 U	11.5 U	**11.2**
Toluene	21	**1.2**	**0.72 J**	**0.49 J**	**0.46 J**	**0.90 J**	1.5 U	0.75 U	1.5 U	**0.38 J**	**11.3**	**82.9**	**6**	**28.6**	**128.1**
Ethylbenzene	1.9	0.87 U	0.87 U	0.87 U	0.87 U	1.7 U	1.7 U	0.87 U	1.7 U	1.7 U	3 U	**24.8**	**4.8**	15.6 U	**25.6**
Xylene, m,p-	3.1	**0.22 J**	1.7 U	1.7 U	1.7 U	3.5 U	3.5 U	1.7 U	**0.94 J**	3.5 U	**4.8**	**95.5**	**4.8**	**15.6**	**91.2**
Xylene, o-	2.5	0.87 U	0.87 U	0.87 U	0.87 U	1.7 U	1.7 U	0.87 U	1.7 U	1.7 U	3 U	**35.2**	3 U	15.6 U	**24.3**
Other VOCs (ug/m^3)															
Acetaldehyde	NE	**24**	**3.4 J**	2.0 U	4.9 U	9.0 U	**2.6 J**	**3.2 J**	**13**	9.0 U	NA	NA	NA	NA	NA
Acetone	58	**5.8**	3.1 U	2.4 U	2.6 U	4.8 U	4.8 U	**2.0 J**	**5.7**	11.8 U	**57**	**285.1**	**10.5**	**522.6**	**137.8**
Acrolein (propenal)	NE	**1.1**	0.46 U	0.46 U	**0.37 J**	2.3 U	2.3 U	1.2 U	2.3 U	2.3 U	NA	NA	NA	NA	NA
Allyl chloride	NE	0.63 U	0.63 U	0.63 U	0.63 U	1.2 U	1.2 U	0.63 U	1.2 U	1.2 U	8.8 U	9.7 U	8.8 U	43.8 U	9.1 U
Benzothiophene	NE	1.1 U	1.1 UJ	1.1 U	1.1 U	2.2 U	2.2 U	1.1 U	5.5 U	5.5 U	NA	NA	NA	NA	NA
Bromodichloromethane	NE	1.3 U	1.3 U	1.3 U	1.3 U	2.7 U	2.7 U	**0.74 J**	2.7 U	**0.67 J**	4.7 U	5.2 U	4.7 U	24.1 U	4.8 U
Bromoform	NE	2.1 U	2.1 U	2.1 U	2.1 UJ	4.1 U	4.1 U	2.1 U	4.1 U	4.1 U	7.2 U	8.1 U	7.2 U	37.2 U	7.4 U
Bromomethane	0.9	0.78 U	0.78 U	0.78 U	0.78 U	1.6 U	1.6 U	0.78 U	1.6 U	1.6 U	2.7 U	3 U	2.7 U	14 U	2.8 U
Butadiene, 1,3-	NE	0.44 U	0.44 U	0.44 U	0.44 U	0.88 U	0.88 U	0.44 U	0.88 U	0.88 U	1.5 U	**3.1**	1.5 U	8 U	**2.7**
Butane	NE	0.48 U	0.48 U	0.48 U	0.48 U	0.95 U	0.95 U	**0.14 J**	0.95 U	0.95 U	NA	NA	NA	NA	NA
Butanone, 2-	17	**1.3**	0.59 U	0.59 U	**0.34 J**	1.2 U	1.2 U	0.59 U	**1.1 J**	**0.35 J**	**6.5**	**32.4**	2.1 U	**35.4**	**10.9**
Carbon disulfide	NE	**1.0**	**0.32 J**	**0.20 J**	**1.0**	**2.4**	1.2 U	0.62 U	**2.2**	**0.75 J**	**2.4**	**62.3**	2.2 U	**22.7**	**25.2**
Carbon tetrachloride	1	1.3 U	1.3 U	1.3 U	1.3 U	2.5 U	2.5 U	1.3 U	2.5 U	2.5 U	4.4 U	4.9 U	4.4 U	22.6 U	4.5 U
Chlorobenzene	<0.25	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	1.8 U	0.92 U	1.8 U	1.8 U	3.2 U	3.6 U	3.2 U	16.6 U	3.3 U
Chloroethane	0.4	0.53 U	0.53 U	0.53 U	0.53 U	1.0 U	1.0 U	0.53 U	1.0 U	1.0 U	1.8 U	2.1 U	1.8 U	9.5 U	1.9 U
Chloroform	0.5	**4.9**	**0.72 J**	**1.1**	**2.1**	**3.0**	**5.0**	**20**	**33**	**50**	3.4 U	3.8 U	3.4 U	17.6 U	3.5 U
Chloromethane	4.6	0.41 U	**0.53**	**0.14 J**	**0.13 J**	0.83 U	0.83 U	0.41 U	**0.28 J**	0.83 U	5.8 U	6.4 U	5.8 U	28.9 U	6 U
Chlorotoluene, 2-	NE	1.0 U	1 U	1.0 U	1.0 U	2.1 U	2.1 U	1.0 U	2.1 U	2.1 U	NA	NA	NA	NA	NA
Cryofluorane	1.3	1.4 U	2 U	1.4 U	1.4 U	2.8 U	2.8 U	1.4 U	2.8 U	2.8 U	4.9 U	5.5 U	4.9 U	25.2 U	5 U
Cyclohexane	3	0.69 U	3 U	0.69 U	0.69 U	1.4 U	1.4 U	0.69 U	1.4 U	1.4 U	**154.9**	**5.9**	2.4 U	12.4 U	2.5 U
Decane, n-	3.6	**1.1 J**	4 U	1.2 U	1.2 U	2.3 U	2.3 U	1.2 U	2.3 U	2.3 U	NA	NA	NA	NA	NA
Dibromochloromethane	NE	1.7 U	5 U	1.7 U	1.7 U	3.4 U	3.4 U	1.7 U	3.4 U	3.4 U	6 U	6.6 U	6 U	30.7 U	6.1 U
Dibromoethane, 1,2-	<0.25	1.5 U	6 U	1.5 U	1.5 U	3.1 U	3.1 U	1.5 U	3.1 U	3.1 U	5.4 U	6 U	5.4 U	27.7 U	5.5 U
Dichlorobenzene, 1,2-	0.9	1.2 U	7 U	1.2 U	1.2 U	2.4 U	2.4 U	1.2 U	2.4 U	2.4 U	4.2 U	4.7 U	4.2 U	21.6 U	4.3 U
Dichlorobenzene, 1,3-	0.7	1.2 U	8 U	1.2 U	1.2 U	2.4 U	2.4 U	1.2 U	2.4 U	2.4 U	4.2 U	**36.1**	4.2 U	21.6 U	4.3 U
Dichlorobenzene, 1,4-	0.8	1.2 U	9 U	1.2 U	1.2 U	2.4 U	2.4 U	1.2 U	2.4 U	2.4 U	4.2 U	4.7 U	4.2 U	21.6 U	4.3 U
Dichlorodifluoromethane	11	**5.6**	10 U	**5.2**	**4.5**	**2.9**	**4.0**	**3.6**	**3.3**	**4.6**	3.5 U	3.9 U	3.5 U	17.8 U	3.6 U
Dichloroethane, 1,1-	<0.25	0.81 U	11 U	0.81 U	0.81 U	1.6 U	1.6 U	0.81 U	1.6 U	1.6 U	2.8 U	3.2 U	2.8 U	14.6 U	2.9 U
Dichloroethane, 1,2-	<0.25	0.81 U	12 U	0.81 U	0.81 U	1.6 U	1.6 U	0.81 U	1.6 U	1.6 U	2.8 U	3.2 U	2.8 U	14.6 U	2.9 U
Dichloroethene, 1,1-	<0.25	0.79 U	14 U	0.79 U	0.79 U	1.6 U	1.6 U	0.79 U	1.6 U	1.6 U	2.8 U	3.1 U	2.8 U	14.3 U	2.9 U
Dichloroethene, cis-1,2-	<0.25	0.79 U	13 U	0.79 U	0.79 U	1.6 U	1.6 U	0.79 U	1.6 U	1.6 U	2.8 U	3.1 U	2.8 U	14.3 U	2.9 U
Dichloropropane, 1,2-	<0.25	0.92 U	15 U	0.92 U	0.92 U	1.8 U	1.8 U	0.92 U	1.8 U	1.8 U	3.2 U	3.6 U	3.2 U	16.6 U	3.3 U
Dichloropropene, cis-1,3	<0.25	0.91 U	16 U	0.91 U	0.91 U	1.8 U	1.8 U	0.91 U	1.8 U	1.8 U	3.2 U	3.5 U	3.2 U	16.3 U	3.3 U
Dichloropropene, trans-1,3	<0.25	0.91 U	17 U	0.91 U	0.91 U	1.8 U	1.8 U	0.91 U	1.8 U	1.8 U	3.2 U	3.5 U	3.2 U	16.3 U	3.3 U
Dioxane, 1,4-	NE	0.72 U	18 U	0.72 U	0.72 UJ	1.4 U	1.4 U	0.72 U	1.4 U	1.4 U	10.1 U	11.2 U	10.1 U	50.4 U	10.5 U
Dodecane, n-	7.6	**5.4**	19 U	**0.39 J**	1.4 U	**0.97 J**	2.8 UJ	1.4 U	**1.5 J**	2.8 U	NA	NA	NA	NA	NA
Ethanol	220	**1.6 J**	20 U	**0.64 J**	2.4 U	3.8 U	**0.98 J**	**0.53 J**	**3.8**	**2.1 J**	**75.4**	**866.7 EJ**	**17.1**	**32**	**35.8**
Ethylthiophene, 2-	NE	0.92 U	21 U	0.92 U	0.92 U	1.8 U	1.8 U	0.92 U	1.8 U	1.8 U	NA	NA	NA	NA	NA
Ethyltoluene, p-	NE	0.98 U	22 U	0.98 U	0.98 U	2.0 U	2.0 U	0.98 U	2.0 U	2.0 U	3.4 U	**31.5**	3.4 U	17.7 U	**33.9**
Heptane, n-	5.1	0.82 U	23 U	0.82 U	0.82 U	1.6 U	1.6 U	0.82 U	1.6 U	1.6 U	**180.3**	**14.3**	2.9 U	14.8 U	**9.4**
Hexachlorobutadiene	7	2.1 U	24 U	2.1 U	2.1 U	4.3 UJ	4.3 U	2.1 U	4.3 U	4.3 U	29.9 U	33.1 U	29.9 U	149.3 U	30.9 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-07 9/19/2008	OU2SG-07 12/23/2008	OU2SG-07 3/12/2009	OU2SG-07 6/8/2009	OU2SG-07 9/21/2009	OU2SG-07 12/18/2009	OU2SG-07 3/25/2010	OU2SG-07 6/8/2010	OU2SG-07 9/10/2010	OU2SG-08 5/25/2005	OU2SG-08 8/31/2005	OU2SG-08 2/2/2006	OU2SG-08 6/15/2006	OU2SG-08 9/8/2006
Hexane, n-	3.6	0.70 U	25 U	0.70 U	0.70 U	1.4 U	1.4 U	0.70 U	1.4 U	1.4 U	**3.1 J**	**9.5**	2.5 U	12.7 U	**8.8**
Hexanone, 2-	NE	0.82 U	26 U	0.82 U	0.82 U	1.6 U	1.6 U	0.82 U	1.6 U	1.6 U	11.5 U	12.7 U	11.5 U	57.4 U	11.9 U
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	0.97 U	27 U	0.97 U	0.97 UJ	1.9 U	1.9 UJ	0.97 U	1.9 U	1.9 U	NA	NA	NA	NA	14 U
Indene	NE	0.95 U	28 U	0.95 U	0.95 UJ	1.9 U	1.9 UJ	0.95 U	1.9 U	1.9 U	NA	NA	NA	NA	13.8 U
Isopropyl benzene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.4 U	3.8 U	3.4 U	17.7 U	3.5 U
Methyl tert-butyl ether	5.9	0.72 U	29 U	0.72 U	0.72 U	1.4 U	1.4 U	0.72 U	1.4 U	1.4 U	2.5 U	**17.3**	2.5 U	13 U	2.6 U
Methyl-2-pentanone, 4-	2.9	0.82 U	30 U	0.82 U	0.82 U	1.6 U	1.6 U	0.82 U	1.6 U	1.6 U	2.9 U	**8.2**	2.9 U	14.7 U	2.9 U
Methylene chloride	2.9	3.1 U	31 U	1.7 U	**0.45 J**	3.5 U	3.5 U	1.7 U	**1.3 J**	**1.5 J**	2.4 U	2.7 U	2.4 U	12.5 U	2.5 U
Methylnaphthalene, 1-	NE	1.2 U	32 U	1.2 U	1.2 U	2.3 U	2.3 U	2.9 UJ	5.8 U	5.8 UJ	NA	NA	NA	NA	NA
Methylnaphthalene, 2-	NE	1.2 U	33 U	1.2 U	1.2 U	2.3 U	2.3 U	2.9 UJ	5.8 U	5.8 U	NA	NA	NA	NA	NA
Methylthiophene, 2-	NE	0.80 U	34 U	0.80 U	0.80 U	1.6 U	1.6 U	0.80 U	1.6 U	1.6 U	NA	NA	NA	NA	NA
Methylthiophene, 3-	NE	0.80 U	35 U	0.80 U	0.80 U	1.6 U	1.6 U	0.80 U	1.6 U	1.6 U	NA	NA	NA	NA	NA
Naphthalene	10	**2.2**	36 U	1.0 U	1.0 U	2.1 U	2.1 U	1.0 U	2.1 U	2.1 U	14.7 U	16.3 U	14.7 U	73.4 UJ	15.2 U
Nonane	1.2	1.0 U	37 U	1.0 U	1.0 U	2.1 U	2.1 U	1.0 U	2.1 U	2.1 U	NA	NA	NA	NA	NA
Octane, n-	2.1	**0.75 J**	38 U	0.93 U	0.93 U	1.9 U	1.9 U	0.93 U	1.9 U	1.9 U	NA	NA	NA	NA	NA
Pentane	NE	0.59 U	39 U	0.59 U	**0.16 J**	1.2 U	1.2 U	0.59 U	1.2 U	1.2 U	NA	NA	NA	NA	NA
Propanol, 2-	NE	0.49 U	40 U	1.2 U	1.2 U	2.4 U	2.4 U	1.2 U	2.5 U	2.5 U	**7.1 J**	**712.8**	6.9 U	34.4 U	7.1 U
Propylbenzene, n-	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.4 U	**6.4**	3.4 U	17.7 U	**8.4**
Styrene	0.6	0.85 U	41 U	0.85 U	0.85 U	1.7 U	1.7 U	0.85 U	1.7 U	1.7 U	3 U	**4**	3 U	15.3 U	3.1 U
t-Butyl alcohol	NE	0.61 U	42 U	1.5 U	0.61 U	1.2 U	1.2 U	0.61 U	1.2 U	1.2 U	NA	NA	NA	NA	NA
Tetrachloroethane, 1,1,2,2-	<0.25	1.4 U	43 U	1.4 U	1.4 U	2.7 U	2.7 U	1.4 U	2.7 U	2.7 U	4.8 U	5.4 U	4.8 U	24.7 U	4.9 U
Tetrachloroethene	1.6	**34**	44 U	**5.5**	**20**	**7.2**	**2.8**	**6.2**	**29**	**31**	**14.9**	**19.7**	4.7 U	24.4 U	**18.3**
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	**5.9**	2.1 U	10.6 U	2.1 U
Tetramethylbenzene, 1,2,4,5-	NE	**2.4**	45 U	1.1 U	1.1 U	2.2 UJ	2.2 U	1.1 U	2.2 U	2.2 U	NA	NA	NA	NA	NA
Thiophene	NE	0.69 U	46 U	0.69 U	0.69 U	1.4 U	1.4 U	0.69 U	1.4 U	1.4 U	NA	NA	NA	NA	NA
Trans-1,2-dichloroethene	NE	0.79 U	47 U	0.79 U	0.79 U	1.6 U	1.6 U	0.79 U	1.6 U	1.6 U	2.8 U	3.1 U	2.8 U	14.3 U	2.9 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	**0.61 J**	48 U	**0.53 J**	**0.79 J**	3.1 U	3.1 U	**0.54 J**	3.1 U	3.1 U	5.4 U	6 U	5.4 U	27.6 U	5.5 U
Trichlorobenzene, 1,2,4-	4.8	**1.0 J**	49 U	1.5 U	1.5 U	3.0 U	3.0 U	1.5 U	3.0 U	3.0 U	20.8 U	23 U	20.8 U	103.9 U	21.5 U
Trichloroethane, 1,1,1-	0.7	1.1 U	50 U	1.1 U	1.1 U	2.2 U	2.2 U	1.1 U	2.2 U	2.2 U	3.8 U	4.3 U	3.8 U	19.6 U	3.9 U
Trichloroethane, 1,1,2-	<0.25	1.1 U	51 U	1.1 U	1.1 U	2.2 U	2.2 U	1.1 U	2.2 U	2.2 U	3.8 U	4.3 U	3.8 U	19.6 U	3.9 U
Trichloroethene	0.5	**0.64 J**	52 U	1.1 U	**0.45 J**	2.2 U	2.2 U	1.1 U	2.2 U	**0.86 J**	3.8 U	4.2 U	3.8 U	19.3 U	3.9 U
Trichlorofluoromethane	6.1	**1.5**	53 U	**1.3**	**2.1**	**1.8 J**	**1.1 J**	**1.4**	**1.2 J**	**1.2 J**	3.9 U	4.4 U	3.9 U	20.2 U	4 U
Trimethylbenzene, 1,2,3-	0.6	**0.44 J**	54 U	0.98 U	0.98 U	2.0 UJ	2.0 UJ	0.98 U	2.0 U	2.0 U	NA	NA	NA	NA	NA
Trimethylbenzene, 1,2,4-	2.5	**0.34 J**	55 U	0.98 U	0.98 U	2.0 U	2.0 U	0.98 U	2.0 U	2.0 U	3.4 U	**29**	3.4 U	17.7 U	**38.8**
Trimethylbenzene, 1,3,5-	1	0.98 U	56 U	0.98 U	0.98 U	2.0 U	2.0 U	0.98 U	2.0 U	2.0 U	3.4 U	**10.8**	3.4 UJ	17.7 U	**9.8**
Trimethylpentane, 2,2,4-	2	0.93 U	57 U	0.93 U	0.93 U	1.9 U	1.9 U	0.93 U	1.9 U	1.9 U	3.3 U	**15**	**214.9**	**4391.7**	**934.4**
Undecane, n-	2.3	**4.2**	58 U	1.3 U	1.3 U	2.6 U	2.6 U	1.3 U	2.6 U	2.6 U	NA	NA	NA	NA	NA
Vinyl bromide	NE	0.87 U	59 U	0.87 U	0.87 U	1.8 U	1.8 U	0.87 U	1.8 U	1.8 U	NA	NA	NA	NA	NA
Vinyl chloride	<0.25	0.51 U	60 U	0.51 U	0.51 U	1.0 U	1.0 U	0.51 U	1.0 U	1.0 U	1.8 U	2 U	1.8 U	9.2 U	1.8 U
Other (%)															
Carbon Dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NE	0.02 U	**0.0161**	0.023 U	0.0183	0.00327 U	0.0166 U	0.0196 U	0.0178 U	0.0178 U	NA	NA	NA	NA	NA

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-08 2/21/2007	OU2SG-08 5/24/2007	OU2SG-08 7/25/2007	OU2SG-08 9/12/2007	OU2SG-08 12/19/2007	OU2SG-08 3/27/2008	OU2SG-08 6/18/2008	OU2SG-08 9/16/2008	OU2SG-08 12/23/2008	OU2SG-08 3/12/2009	OU2SG-08 6/8/2009	OU2SG-08 9/21/2009	OU2SG-08 12/29/2009	OU2SG-08 3/25/2010
BTEX (ug/m^3)															
Benzene	5.8	**0.55 J**	1.3 U	**0.62 J**	1.6 U	0.64 U	0.64 U	0.64 UJ	0.64 U	0.64 U	0.64 U	**0.36 J**	1.3 U	1.3 U	0.64 U
Toluene	21	**4.3**	**8.9**	**120 J**	**3.1**	**1.7**	**0.85**	**2.5**	**0.98**	**0.23 J**	**0.62 J**	**0.62 J**	**0.45 J**	1.5 U	0.75 U
Ethylbenzene	1.9	**1.7 J**	**5.4**	**2.2 J**	2.2 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	1.7 U	0.87 U
Xylene, m,p-	3.1	**5.1**	**5.7**	**4.6 J**	4.3 U	1.7 U	**0.22 J**	1.7 U	1.7 U	1.7 U	**0.67 J**	1.7 U	3.5 U	3.5 U	1.7 U
Xylene, o-	2.5	**1.9 J**	**3**	**2.4 J**	2.2 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	1.7 U	0.87 U
Other VOCs (ug/m^3)															
Acetaldehyde	NE	0.78 UJ	**130 J**	**170 J**	**97**	2.7 U	4.5 U	**9.8**	**3.8 J**	**2.3 J**	3.8 U	4.5 UJ	**3.5 J**	9.0 U	**2.5 J**
Acetone	58	**8.8**	**15 J**	**23 J**	**13**	0.90 U	2.1 U	**2.5**	**1.1**	1.5 U	2.1 U	2.4 U	4.8 U	3.6 U	**1.8 J**
Acrolein (propenal)	NE	0.99 U	2.3 U	1.2 UJ	1.2 U	0.46 U	1.2 U	**0.18 J**	0.46 U	0.46 U	**0.27 J**	1.2 UJ	2.3 U	2.3 U	1.2 U
Allyl chloride	NE	1.4 U	1.3 U	1.6 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	1.2 U	1.2 U	0.63 U
Benzothiophene	NE	12 UJ	5.5 U	2.8 U	34 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	1.1 U
Bromodichloromethane	NE	2.9 U	2.7 U	3.4 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	2.7 U	2.7 U	1.3 U
Bromoform	NE	4.5 U	4.2 U	5.2 U	5.2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 UJ	4.1 U	4.1 U	2.1 U
Bromomethane	0.9	1.7 U	1.6 U	2 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	1.6 U	1.6 U	0.78 U
Butadiene, 1,3-	NE	0.96 U	0.89 U	1.1 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	0.88 U	0.88 U	0.44 U
Butane	NE	**0.62 J**	**0.6 J**	1.2 U	**0.36 J**	0.48 U	**0.97**	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.95 U	0.95 U	0.48 U
Butanone, 2-	17	**1.5 J**	**7.2**	**4.1 J**	**4.5**	0.59 U	1.5 U	**0.44 J**	0.59 U	0.59 U	**0.70**	**0.27 J**	1.2 U	1.2 U	0.59 U
Carbon disulfide	NE	1.4 U	1.2 U	**4.1 J**	1.6 U	**0.22 J**	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	**0.50 J**	**0.50 J**	1.2 U	0.62 U
Carbon tetrachloride	1	2.7 U	2.5 UJ	3.2 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	2.5 U	2.5 U	1.3 U
Chlorobenzene	<0.25	2.0 U	1.8 U	2.3 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	1.8 U	1.8 U	0.92 U
Chloroethane	0.4	1.1 U	1.1 U	1.3 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	1.0 U	1.0 U	0.53 U
Chloroform	0.5	2.1 U	2 U	**0.89 J**	**1.7 J**	**0.39 J**	**0.62 J**	**1.7**	**1.7**	0.98 U	**0.45 J**	**1.2**	**1.4 J**	2.0 U	**1.3**
Chloromethane	4.6	0.90 U	0.83 U	**0.72 J**	1.0 U	0.41 U	0.41 U	**0.12 J**	0.41 U	**0.17 J**	**0.27 J**	0.41 U	0.83 U	0.83 U	**0.14 J**
Chlorotoluene, 2-	NE	2.2 U	2.1 U	2.6 U	2.6 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	1.0 U
Cryofluorane	1.3	3.0 U	2.8 U	3.6 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	2.8 U	2.8 U	1.4 U
Cyclohexane	3	**0.45 J**	1.4 U	**67 J**	**2.1**	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	0.69 U
Decane, n-	3.6	2.5 U	**9.2**	**1.5 J**	2.9 U	1.2 U	**0.55 J**	**0.76 J**	1.2 U	1.2 U	1.2 U	1.2 U	2.3 U	2.3 U	1.2 U
Dibromochloromethane	NE	3.7 U	3.4 U	4.3 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	3.4 U	3.4 U	1.7 U
Dibromoethane, 1,2-	<0.25	3.3 U	3.1 U	3.9 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	3.1 U	3.1 U	1.5 U
Dichlorobenzene, 1,2-	0.9	2.6 U	2.4 U	3 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	2.4 U	2.4 U	1.2 U
Dichlorobenzene, 1,3-	0.7	2.6 U	**3.3**	3 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	2.4 U	2.4 U	1.2 U
Dichlorobenzene, 1,4-	0.8	2.6 UJ	2.4 U	3 U	3.0 U	1.2 U	1.2 U	**0.84 J**	**0.66 J**	1.2 U	1.2 U	1.2 U	2.4 U	2.4 U	1.2 U
Dichlorodifluoromethane	11	**2.6**	**2.7**	**2.3 J**	**2.8**	**2.6**	**2.0**	**2.1**	**2.7**	**2.2**	**2.0**	**1.1**	**2.5**	**2.4**	**2.3**
Dichloroethane, 1,1-	<0.25	1.8 U	1.6 U	2 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	1.6 U	1.6 U	0.81 U
Dichloroethane, 1,2-	<0.25	1.8 U	1.6 U	2 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	1.6 U	1.6 U	0.81 U
Dichloroethene, 1,1-	<0.25	1.7 U	1.6 U	2 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	1.6 U	1.6 U	0.79 U
Dichloroethene, cis-1,2-	<0.25	1.7 U	1.6 U	2 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	1.6 U	1.6 U	0.79 U
Dichloropropane, 1,2-	<0.25	2.0 U	1.9 U	2.4 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	1.8 U	1.8 U	0.92 U
Dichloropropene, cis-1,3	<0.25	2.0 U	1.8 U	2.3 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	1.8 U	1.8 U	0.91 U
Dichloropropene, trans-1,3	<0.25	2.0 U	1.8 U	2.3 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	1.8 U	1.8 U	0.91 U
Dioxane, 1,4-	NE	3.9 U	1.4 U	1.8 U	1.8 UJ	1.8 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	0.72 U
Dodecane, n-	7.6	3.0 U	**16**	**8**	**0.87 J**	**0.49 J**	**0.45 J**	**3.1 J**	**3.3**	1.4 UJ	**0.61 J**	1.4 U	2.8 U	2.8 UJ	1.4 U
Ethanol	220	**22**	**5.1**	**37 J**	**39**	2.4 U	**1.2 J**	**1.2 J**	**1.1 J**	**0.75 J**	**0.98 J**	2.4 U	3.8 U	3.8 U	**2.4**
Ethylthiophene, 2-	NE	2.0 U	1.8 U	2.3 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	1.8 U	1.8 U	0.92 U
Ethyltoluene, p-	NE	2.1 U	2 U	2.5 U	2.5 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	2.0 U	0.98 U
Heptane, n-	5.1	**0.53 J**	1.6 U	**0.96 J**	2.0 U	0.82 U	**0.45 J**	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	1.6 U	1.6 U	0.82 U
Hexachlorobutadiene	7	4.6 UJ	4.3 U	5.4 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	4.3 UJ	4.3 U	2.1 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-08 2/21/2007	OU2SG-08 5/24/2007	OU2SG-08 7/25/2007	OU2SG-08 9/12/2007	OU2SG-08 12/19/2007	OU2SG-08 3/27/2008	OU2SG-08 6/18/2008	OU2SG-08 9/16/2008	OU2SG-08 12/23/2008	OU2SG-08 3/12/2009	OU2SG-08 6/8/2009	OU2SG-08 9/21/2009	OU2SG-08 12/29/2009	OU2SG-08 3/25/2010
Hexane, n-	3.6	**1.8**	**1.8**	**66 J**	**6.2**	0.70 U	**0.46 J**	0.70 U	0.70 U	0.7 U	0.70 U	0.70 U	1.4 U	1.4 U	0.70 U
Hexanone, 2-	NE	4.4 U	1.6 U	**0.73 J**	2.0 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	1.6 U	0.82 U
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	**0.73 J**	1.9 U	2.4 U	2.4 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 UJ	1.9 U	1.9 U	0.97 U
Indene	NE	2.1 U	1.9 U	**0.72 J**	2.4 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 UJ	1.9 U	1.9 U	0.95 U
Isopropyl benzene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	5.9	1.6 U	1.4 U	1.8 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	1.4 U	1.4 U	0.72 U
Methyl-2-pentanone, 4-	2.9	**0.53 J**	**0.9 J**	2.1 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	1.6 U	1.6 U	0.82 U
Methylene chloride	2.9	**3.9 J**	**21**	**12 J**	**14**	0.87 U	**0.27 J**	1.7 U	0.69 U	2 U	1.7 U	1.7 U	3.5 U	3.5 U	**0.49 J**
Methylnaphthalene, 1-	NE	32 U	29 U	**1.2 J**	14 U	14 UJ	1.2 U	2.9 U	1.2 U	R	1.2 U	1.2 U	2.3 U	2.3 U	2.9 UJ
Methylnaphthalene, 2-	NE	32 U	12 U	37 UJ	36 U	14 U	1.2 U	2.9 UJ	1.2 U	14 UJ	1.2 U	1.2 U	2.3 U	2.3 U	2.9 UJ
Methylthiophene, 2-	NE	1.7 U	1.6 U	2 U	2.0 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	0.80 U
Methylthiophene, 3-	NE	1.7 U	1.6 U	2 U	2.0 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	0.80 U
Naphthalene	10	5.7 U	2.1 U	**2.2 J**	2.6 U	1.0 U	1.0 U	**0.26 J**	1.0 U	1 U	1.0 U	1.0 U	2.1 U	2.1 U	1.0 U
Nonane	1.2	**0.91 J**	**1.7 J**	2.7 U	2.6 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	1.0 U
Octane, n-	2.1	**0.61 J**	1.9 U	2.4 U	2.3 U	0.93 U	0.93 U	**2.8**	**0.51 J**	0.93 U	0.93 U	0.93 U	1.9 U	1.9 U	0.93 U
Pentane	NE	**0.51 J**	1.2 U	**0.76 J**	1.5 U	0.59 U	**0.79**	0.59 U	0.59 U	0.59 U	**0.60**	0.59 U	1.2 U	1.2 U	0.59 U
Propanol, 2-	NE	**1.8**	**7.2**	**2.6 J**	**1.7**	0.49 U	**0.39 J**	1.2 UJ	0.49 U	0.49 U	1.2 U	1.2 U	2.4 U	2.5 U	1.2 U
Propylbenzene, n-	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.6	1.8 U	**4**	2.2 U	2.1 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	1.7 U	0.85 U
t-Butyl alcohol	NE	1.3 U	1.2 U	**1.9 J**	**1.2 J**	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	1.5 U	0.61 U	1.2 U	1.2 U	0.61 U
Tetrachloroethane, 1,1,2,2-	<0.25	3.0 U	2.8 U	3.5 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	2.7 U	2.7 U	1.4 U
Tetrachloroethene	1.6	2.9 U	**3.5**	**2.2 J**	**1.0 J**	1.4 U	1.4 U	**0.68 J**	**0.68 J**	1.4 U	1.4 U	**0.52 J**	2.7 U	2.7 U	1.4 U
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	2.4 U	11 U	**3.2 J**	34 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 UJ	2.2 U	1.1 U
Thiophene	NE	1.5 U	1.4 U	1.8 U	1.7 UJ	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	0.69 U
Trans-1,2-dichloroethene	NE	1.7 U	1.6 U	2 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	1.6 U	1.6 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	3.3 U	3.1 U	3.9 U	3.8 U	**0.46 J**	1.5 U	**0.69 J**	**0.61 J**	1.5 U	**0.52 J**	**0.77 J**	3.1 U	3.1 U	**0.61 J**
Trichlorobenzene, 1,2,4-	4.8	3.2 UJ	3 U	3.8 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	3.0 U	3.0 U	1.5 U
Trichloroethane, 1,1,1-	0.7	2.4 U	2.2 UJ	2.8 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	2.2 U	2.2 U	1.1 U
Trichloroethane, 1,1,2-	<0.25	2.4 U	2.2 U	2.8 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	2.2 U	2.2 U	1.1 U
Trichloroethene	0.5	2.3 U	2.2 U	2.7 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	2.2 U	2.2 U	1.1 U
Trichlorofluoromethane	6.1	**1.3 J**	**1.7 J**	**1.5 J**	**1.5 J**	**1.1**	**1.1 J**	**1.5**	**1.4**	**1 J**	**1.1 J**	**1.2**	**1.5 J**	**1.1 J**	**1.4**
Trimethylbenzene, 1,2,3-	0.6	**1.3 J**	2 U	**1 J**	2.5 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	2.0 U	0.98 U
Trimethylbenzene, 1,2,4-	2.5	**2.6**	**3.5 J**	**0.72 J**	2.5 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	2.0 U	0.98 U
Trimethylbenzene, 1,3,5-	1	**0.75 J**	2 U	2.5 U	2.5 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	2.0 U	0.98 U
Trimethylpentane, 2,2,4-	2	**0.51 J**	1.9 U	2.4 U	2.3 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	1.9 U	0.93 U
Undecane, n-	2.3	2.8 U	**4.6**	3.2 U	3.2 U	**0.64 J**	**0.52 J**	1.3 U	**1.0 J**	1.3 U	**0.34 J**	1.3 U	2.6 U	2.6 U	1.3 U
Vinyl bromide	NE	1.9 U	1.8 U	2.2 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	1.8 U	1.8 U	0.87 U
Vinyl chloride	<0.25	1.1 U	1 U	1.3 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	1.0 U	1.0 U	0.51 U
Other (%)															
Carbon Dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NE	NA	NA	NA	NA	NA	NA	0.0182 U	0.0171 U	**0.0182**	0.0153 U	0.0185	0.00327 U	0.016 U	0.0194 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-08 6/7/2010	OU2SG-08 9/10/2010	OU2SG-09 5/25/2005	OU2SG-09 8/31/2005	OU2SG-09 2/2/2006	OU2SG-09 6/15/2006	OU2SG-09 9/8/2006	OU2SG-09 2/21/2007	Duplicate of OU2SG-09 2/21/2007	OU2SG-09 5/24/2007	OU2SG-09 7/25/2007	OU2SG-09 9/12/2007	OU2SG-09 12/19/2007	OU2SG-09 3/27/2008
BTEX (ug/m^3)															
Benzene	5.8	1.3 U	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	0.64 U
Toluene	21	1.5 U	1.5 U	**10.6**	**82.9**	**14.3**	**37.7**	**105.5**	**3.7 J**	4.1 UJ	**120**	**32**	**5.2**	**8.7**	**1.2**
Ethylbenzene	1.9	1.7 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	0.87 U
Xylene, m,p-	3.1	3.5 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**	1.7 U
Xylene, o-	2.5	1.7 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	0.87 U
Other VOCs (ug/m^3)															
Acetaldehyde	NE	**9.2 J**	9.0 U	NA	NA	NA	NA	NA	0.82 UJ	0.41 UJ	**87 J**	**92**	**54**	2.2 U	4.5 U
Acetone	58	**4.6 J**	11.8 U	**52.3**	**285.1**	**42.8**	**356.3**	**109.3**	**16**	14 U	**14 J**	**23 J**	**9.1**	1.1 U	1.4 U
Acrolein (propenal)	NE	2.3 U	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	1.2 U
Allyl chloride	NE	1.2 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	0.63 U
Benzothiophene	NE	5.5 U	5.5 U	NA	NA	NA	NA	NA	12 UJ	6.2 U	5.6 U	3.1 U	30 U	1.1 U	1.1 U
Bromodichloromethane	NE	2.7 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	1.3 U
Bromoform	NE	4.1 U	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	2.1 U
Bromomethane	0.9	1.6 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	0.78 U
Butadiene, 1,3-	NE	0.88 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	0.44 U
Butane	NE	0.95 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	0.48 U
Butanone, 2-	17	**1.0 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	1.5 U
Carbon disulfide	NE	1.2 U	**0.37 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**	**0.68**
Carbon tetrachloride	1	2.5 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	1.3 U
Chlorobenzene	<0.25	1.8 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	0.92 U
Chloroethane	0.4	1.0 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	0.53 U
Chloroform	0.5	**2.6**	**3.4**	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**	**1.2**
Chloromethane	4.6	**0.58 J**	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	0.41 U
Chlorotoluene, 2-	NE	2.1 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	1.0 U
Cryofluorane	1.3	2.8 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	1.4 U
Cyclohexane	3	1.4 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**	**0.25 J**
Decane, n-	3.6	2.3 U	2.3 U	NA	NA	NA	NA	NA	2.6 UJ	1.3 U	**14**	**5.2**	2.6 U	1.2 U	1.2 U
Dibromochloromethane	NE	3.4 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	1.7 U
Dibromoethane, 1,2-	<0.25	3.1 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	1.5 U
Dichlorobenzene, 1,2-	0.9	2.4 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	1.2 U
Dichlorobenzene, 1,3-	0.7	2.4 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	1.2 U
Dichlorobenzene, 1,4-	0.8	2.4 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	1.2 U
Dichlorodifluoromethane	11	**2.8**	**2.6**	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**	**2.1**
Dichloroethane, 1,1-	<0.25	1.6 UJ	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	0.81 U
Dichloroethane, 1,2-	<0.25	1.6 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	0.81 U
Dichloroethene, 1,1-	<0.25	1.6 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	0.79 U
Dichloroethene, cis-1,2-	<0.25	1.6 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	0.79 U
Dichloropropane, 1,2-	<0.25	1.8 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	0.92 U
Dichloropropene, cis-1,3	<0.25	1.8 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	0.91 U
Dichloropropene, trans-1,3	<0.25	1.8 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	0.91 U
Dioxane, 1,4-	NE	1.4 U	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	0.72 U
Dodecane, n-	7.6	**2.6 J**	2.8 U	NA	NA	NA	NA	NA	**2.4 J**	1.5 U	**29**	**16**	**1.1 J**	**0.56 J**	1.4 U
Ethanol	220	3.8 UJ	**1.3 J**	**96.1**	**829 EJ**	**20.7**	**52.8**	**37.7**	**18 J**	18 U	**3 J**	**34**	**21**	2.5 U	**0.84 J**
Ethylthiophene, 2-	NE	1.8 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	0.92 U
Ethyltoluene, p-	NE	2.0 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	0.98 U
Heptane, n-	5.1	1.6 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	0.82 U
Hexachlorobutadiene	7	4.3 U	4.3 U	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	2.1 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-08 6/7/2010	OU2SG-08 9/10/2010	OU2SG-09 5/25/2005	OU2SG-09 8/31/2005	OU2SG-09 2/2/2006	OU2SG-09 6/15/2006	OU2SG-09 9/8/2006	OU2SG-09 2/21/2007	Duplicate of OU2SG-09 2/21/2007	OU2SG-09 5/24/2007	OU2SG-09 7/25/2007	OU2SG-09 9/12/2007	OU2SG-09 12/19/2007	OU2SG-09 3/27/2008
Hexane, n-	3.6	1.4 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	0.70 U
Hexanone, 2-	NE	1.6 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	0.82 U
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	1.9 U	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	0.97 U
Indene	NE	1.9 U	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	0.95 U
Isopropyl benzene	0.4	NA	NA	3.4 U	3.9 U	3.7 U	15.7 U	3.9 U	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	5.9	1.4 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	0.72 U
Methyl-2-pentanone, 4-	2.9	1.6 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	0.82 U
Methylene chloride	2.9	**2.4 J**	**2.2 J**	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	**0.32 J**
Methylnaphthalene, 1-	NE	5.8 U	5.8 UJ	NA	NA	NA	NA	NA	33 U	17 U	30 U	3.3 U	13 U	14 UJ	1.2 U
Methylnaphthalene, 2-	NE	5.8 U	5.8 U	NA	NA	NA	NA	NA	33 U	17 UJ	12 U	41 U	32 U	14 U	1.2 U
Methylthiophene, 2-	NE	1.6 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	0.80 U
Methylthiophene, 3-	NE	1.6 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	0.80 U
Naphthalene	10	2.1 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	1.0 U
Nonane	1.2	2.1 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	1.0 U
Octane, n-	2.1	1.9 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	0.93 U
Pentane	NE	1.2 U	**1.2**	NA	NA	NA	NA	NA	1.3 UJ	3.6 UJ	1.2 U	1.7 U	1.3 U	0.59 U	0.59 U
Propanol, 2-	NE	2.5 U	2.5 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	**0.27 J**
Propylbenzene, n-	0.5	NA	NA	3.4 U	**5.4**	3.7 U	15.7 U	**7.4**	NA	NA	NA	NA	NA	NA	NA
Styrene	0.6	1.7 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	0.85 U
t-Butyl alcohol	NE	1.2 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	0.61 U
Tetrachloroethane, 1,1,2,2-	<0.25	2.7 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	1.4 U
Tetrachloroethene	1.6	**0.69 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	1.4 U
Tetrahydrofuran	0.4	NA	NA	2.1 U	**7.1**	2.2 U	9.4 U	2.4 U	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	2.2 U	2.2 U	NA	NA	NA	NA	NA	2.5 U	1.2 U	**3.2 J**	**1.9 J**	30 U	1.1 U	1.1 U
Thiophene	NE	1.4 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	0.69 U
Trans-1,2-dichloroethene	NE	1.6 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	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	3.1 U	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	**0.57 J**
Trichlorobenzene, 1,2,4-	4.8	3.0 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	1.5 U
Trichloroethane, 1,1,1-	0.7	2.2 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	1.1 U
Trichloroethane, 1,1,2-	<0.25	2.2 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	1.1 U
Trichloroethene	0.5	2.2 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	1.1 U
Trichlorofluoromethane	6.1	**1.8 J**	**1.4 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**	**1.2**
Trimethylbenzene, 1,2,3-	0.6	2.0 U	2.0 U	NA	NA	NA	NA	NA	**1.0 J**	1.1 U	**1.4 J**	2.8 U	2.2 U	0.98 U	0.98 U
Trimethylbenzene, 1,2,4-	2.5	2.0 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	0.98 U
Trimethylbenzene, 1,3,5-	1	2.0 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	0.98 U
Trimethylpentane, 2,2,4-	2	1.9 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	0.93 U
Undecane, n-	2.3	2.6 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	1.3 U
Vinyl bromide	NE	1.8 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	0.87 U
Vinyl chloride	<0.25	1.0 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	0.51 U
Other (%)															
Carbon Dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NE	0.0156 U	0.0179 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:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-09 6/18/2008	OU2SG-09 9/16/2008	OU2SG-09 12/23/2008	OU2SG-09 3/12/2009	OU2SG-09 3/31/2009	Duplicate of OU2SG-09 3/31/2009	OU2SG-09 6/8/2009	Duplicate of OU2SG-09 6/8/2009	OU2SG-09 9/21/2009	OU2SG-09 12/29/2009	OU2SG-09 3/25/2010	Duplicate of: OU2SG-09 3/25/2010	OU2SG-09 6/7/2010	OU2SG-09 9/10/2010
BTEX (ug/m^3)															
Benzene	5.8	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	1.3 U	0.64 U	0.64 U	1.3 U	1.3 U
Toluene	21	**2.4**	**1.5**	**0.56 J**	**0.41 J**	**0.19 J**	0.75 U	**0.92**	**0.63 J**	**1.0 J**	1.5 U	**0.23 J**	**0.23 J**	**0.49 J**	**0.98 J**
Ethylbenzene	1.9	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	1.7 U	0.87 U	0.87 U	1.7 U	1.7 U
Xylene, m,p-	3.1	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	3.5 U	1.7 U	1.7 U	3.5 U	3.5 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	0.87 U	1.7 U	1.7 U	0.87 U	0.87 U	1.7 U	1.7 U
Other VOCs (ug/m^3)															
Acetaldehyde	NE	**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**	9.0 U	**4.0 J**	**3.2 J**	**3.0 J**	9.0 U
Acetone	58	**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	3.6 U	**1.5 J**	**1.3 J**	**1.3 J**	11.8 U
Acrolein (propenal)	NE	**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	2.3 U	1.2 U	1.2 U	2.3 U	2.3 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	1.2 U	1.2 U	0.63 U	0.63 U	1.2 U	1.2 U
Benzothiophene	NE	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	2.2 U	1.1 U	1.1 U	5.5 U	5.5 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	2.7 U	2.7 U	1.3 U	1.3 U	2.7 U	2.7 U
Bromoform	NE	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	4.1 U	2.1 U	2.1 U	4.1 U	4.1 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	1.6 U	1.6 U	0.78 U	0.78 U	1.6 U	1.6 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	0.88 U	0.88 U	0.44 U	0.44 U	0.88 U	0.88 U
Butane	NE	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	0.95 U	0.48 U	**0.19 J**	0.95 U	0.95 U
Butanone, 2-	17	**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	1.2 U	0.59 U	0.59 U	1.2 U	**0.47 J**
Carbon disulfide	NE	**6.9**	**4.6**	**0.35 J**	**0.80**	0.62 U	0.62 U	**2.8**	**2.6**	**4.5**	**0.56 J**	0.72 U	0.87 U	**5.8**	**5.3**
Carbon tetrachloride	1	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	2.5 U	1.3 U	1.3 U	2.5 U	2.5 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	0.92 U	1.8 U	1.8 U	0.92 U	0.92 U	1.8 U	1.8 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	1.0 U	1.0 U	0.53 U	0.53 U	1.0 U	1.0 U
Chloroform	0.5	**3.3**	**2.9**	**0.75 J**	**0.81 J**	0.98 U	0.98 U	**3.2**	**3.1**	**1.8 J**	**0.68 J**	**1.8**	**2.0**	**3.7**	**2.3**
Chloromethane	4.6	**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**	0.83 U	0.41 U	**0.14 J**	0.83 U	0.83 U
Chlorotoluene, 2-	NE	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	2.1 U	1.0 U	1.0 U	2.1 U	2.1 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	2.8 U	2.8 U	1.4 U	1.4 U	2.8 U	2.8 U
Cyclohexane	3	**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	1.4 U	0.69 U	0.69 U	1.4 U	1.4 U
Decane, n-	3.6	**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	2.3 U	1.2 U	1.2 U	2.3 U	2.3 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	3.4 U	3.4 U	1.7 U	1.7 U	3.4 U	3.4 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	3.1 U	3.1 U	1.5 U	1.5 U	3.1 U	3.1 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	2.4 U	2.4 U	1.2 U	1.2 U	2.4 U	2.4 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	2.4 U	2.4 U	1.2 U	1.2 U	2.4 U	2.4 U
Dichlorobenzene, 1,4-	0.8	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	2.4 U	1.2 U	1.2 U	2.4 U	2.4 U
Dichlorodifluoromethane	11	**2.5**	**2.9**	**2.7**	**2.6**	**3.7**	**3.7**	**1.4**	**1.3**	**2.9**	**2.9**	**2.8**	**2.7**	**2.7**	**3.4**
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	1.6 U	1.6 U	0.81 U	0.81 U	1.6 UJ	1.6 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	1.6 U	1.6 U	0.81 U	0.81 U	1.6 U	1.6 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	1.6 U	1.6 U	0.79 U	0.79 U	1.6 U	1.6 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	1.6 U	1.6 U	0.79 U	0.79 U	**0.93 J**	1.6 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	1.8 U	1.8 U	0.92 U	0.92 U	1.8 U	1.8 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	1.8 U	1.8 U	0.91 U	0.91 U	1.8 U	1.8 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	1.8 U	1.8 U	0.91 U	0.91 U	1.8 U	1.8 U
Dioxane, 1,4-	NE	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	1.4 U	0.72 U	0.72 U	1.4 U	1.4 U
Dodecane, n-	7.6	**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	2.8 UJ	1.4 U	1.4 U	**2.0 J**	2.8 U
Ethanol	220	**1.6 J**	**1.0 J**	**2.3**	**0.50 J**	**190 J**	**15 J**	2.8 U	3.4 U	3.8 U	3.8 U	**0.51 J**	**0.96 J**	3.8 UJ	**2.6 J**
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	1.8 U	1.8 U	0.92 U	0.92 U	1.8 U	1.8 U
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	2.0 U	2.0 U	0.98 U	0.98 U	2.0 U	2.0 U
Heptane, n-	5.1	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	1.6 U	0.82 U	0.82 U	1.6 U	1.6 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	4.3 UJ	4.3 U	2.1 U	2.1 U	4.3 U	4.3 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-09 6/18/2008	OU2SG-09 9/16/2008	OU2SG-09 12/23/2008	OU2SG-09 3/12/2009	OU2SG-09 3/31/2009	Duplicate of OU2SG-09 3/31/2009	OU2SG-09 6/8/2009	Duplicate of OU2SG-09 6/8/2009	OU2SG-09 9/21/2009	OU2SG-09 12/29/2009	OU2SG-09 3/25/2010	Duplicate of: OU2SG-09 3/25/2010	OU2SG-09 6/7/2010	OU2SG-09 9/10/2010
Hexane, n-	3.6	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	1.4 U	0.70 U	0.70 U	1.4 U	1.4 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	1.6 U	1.6 U	0.82 U	0.82 U	1.6 U	1.6 U
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	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	1.9 U	0.97 U	0.97 U	1.9 U	1.9 U
Indene	NE	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	1.9 U	0.95 U	0.95 U	1.9 U	1.9 U
Isopropyl benzene	0.4	NA	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 U	0.72 U	0.72 U	0.72 U	0.72 U	1.4 U	1.4 U	0.72 U	0.72 U	1.4 U	1.4 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	1.6 U	1.6 U	0.82 U	0.82 U	1.6 U	1.6 U
Methylene chloride	2.9	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**	**1.0 J**	1.7 U	**0.52 J**	**2.1 J**	**4.1**
Methylnaphthalene, 1-	NE	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	2.3 U	2.9 UJ	2.9 UJ	5.8 U	5.8 UJ
Methylnaphthalene, 2-	NE	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	2.3 U	2.9 UJ	2.9 UJ	5.8 U	5.8 U
Methylthiophene, 2-	NE	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	1.6 U	0.80 U	0.80 U	1.6 U	1.6 U
Methylthiophene, 3-	NE	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	1.6 U	0.80 U	0.80 U	1.6 U	1.6 U
Naphthalene	10	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	2.1 U	1.0 U	1.0 U	2.1 U	2.1 U
Nonane	1.2	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	2.1 U	1.0 U	1.0 U	2.1 U	2.1 U
Octane, n-	2.1	**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	1.9 U	0.93 U	0.93 U	1.9 U	1.9 U
Pentane	NE	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	1.2 U	0.59 U	0.59 U	1.2 U	**2.6**
Propanol, 2-	NE	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	2.5 U	**0.79 J**	1.2 U	2.5 U	2.5 U
Propylbenzene, n-	0.5	NA	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	1.7 U	1.7 U	0.85 U	0.85 U	1.7 U	1.7 U
t-Butyl alcohol	NE	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	1.2 U	0.61 U	0.61 U	1.2 U	1.2 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	2.7 U	2.7 U	1.4 U	1.4 U	2.7 U	2.7 U
Tetrachloroethene	1.6	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	2.7 U	1.4 U	1.4 U	**0.68 J**	2.7 U
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	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	2.2 U	1.1 U	1.1 U	2.2 U	2.2 U
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	1.4 U	1.4 U	0.69 U	0.69 U	1.4 U	1.4 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	1.6 U	1.6 U	0.79 U	0.79 U	1.6 U	1.6 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	**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**	3.1 U	**1.8**	**0.61 J**	3.1 U	**0.92 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	3.0 U	3.0 U	1.5 U	1.5 U	3.0 U	3.0 U
Trichloroethane, 1,1,1-	0.7	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	2.2 U	1.1 U	1.1 U	2.2 U	2.2 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	2.2 U	2.2 U	1.1 U	1.1 U	2.2 U	2.2 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	2.2 U	2.2 U	1.1 U	1.1 U	**1.2 J**	2.2 U
Trichlorofluoromethane	6.1	**1.3**	**1.4**	**1.1 J**	**1.0 J**	**2.0**	**1.8**	**1.2**	**1.2**	**1.6 J**	**1.0 J**	**1.7**	**1.5**	**1.8 J**	**1.5 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	2.0 UJ	2.0 U	0.98 U	0.98 U	2.0 U	2.0 U
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	2.0 U	2.0 U	0.98 U	0.98 U	2.0 U	2.0 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	2.0 U	2.0 U	0.98 U	0.98 U	2.0 U	2.0 U
Trimethylpentane, 2,2,4-	2	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	1.9 U	0.93 U	0.93 U	1.9 U	1.9 U
Undecane, n-	2.3	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	2.6 U	1.3 U	1.3 U	2.6 U	**0.89 J**
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	1.8 U	1.8 U	0.87 U	0.87 U	1.8 U	1.8 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	1.0 U	1.0 U	0.51 U	0.51 U	1.0 U	1.0 U
Other (%)															
Carbon Dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NE	0.02 U	0.015 U	**0.0248**	0.0162 U	0.0174 U	0.0194 U	0.019	0.0187	0.00301 U	0.0152 U	0.0204 U	0.016 U	0.02 U	0.0198 U

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Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-10 5/25/2005	OU2SG-10 8/31/2005	OU2SG-10 2/2/2006	OU2SG-10 6/15/2006	OU2SG-10 9/8/2006	OU2SG-10 2/22/2007	OU2SG-10 6/14/2007	OU2SG-10 7/25/2007	OU2SG-10 9/19/2007	OU2SG-10 12/19/2007	OU2SG-10 3/27/2008	OU2SG-10 6/23/2008	OU2SG-10 9/22/2008	OU2SG-10 12/29/2008
BTEX (ug/m^3)															
Benzene	5.8	**2.8**	**4.5**	**5.8**	**26.2**	**19.5**	**2.2**	**2.2 J**	1.5 UJ	1.4 U	**0.26 J**	0.64 U	0.64 U	0.64 U	0.64 U
Toluene	21	**18.5**	**64.1**	**37.7**	**52.8**	**135.7**	**13**	**1100**	**70 J**	**3.9**	**6.5**	**0.43 J**	**0.87**	**0.38 J**	0.75 U
Ethylbenzene	1.9	3.6 U	**17.8**	**8.3**	23.4 U	**26.1**	**2.9**	**13**	**2.7 J**	2.0 U	0.87 U	0.87 U	**0.43 J**	0.87 U	0.87 U
Xylene, m,p-	3.1	**9.1**	**73.8**	**21.3**	**37.3**	**91.2**	**7.9**	**34**	**50 J**	**8.2**	**0.39 J**	1.7 U	**1.6 J**	1.7 U	1.7 U
Xylene, o-	2.5	3.6 U	**27.8**	**6.1**	23.4 U	**26.5**	**3.0**	**10**	**12 J**	**1.3 J**	0.87 U	0.87 U	**0.74 J**	0.87 U	0.87 U
Other VOCs (ug/m^3)															
Acetaldehyde	NE	NA	NA	NA	NA	NA	**2.1 J**	**54 J**	**110 J**	4.1 U	1.8 U	4.5 U	**11**	**5.7 J**	**6.8 J**
Acetone	58	**111.6**	**206.7**	**35.6**	**950.2**	**102.1**	**17**	**47**	**14 J**	**5.3**	1.8 U	1.8 U	3.9 U	**2.5**	1.3 U
Acrolein (propenal)	NE	NA	NA	NA	NA	NA	1.0 U	1.8 UJ	1.1 U	1.0 U	0.46 U	1.2 U	**0.73**	0.46 U	0.46 U
Allyl chloride	NE	10.6 U	10.6 U	8.8 U	68.9 U	9.1 U	1.4 U	2.5 U	1.5 U	1.4 U	0.63 UJ	0.63 U	0.63 UJ	0.63 U	0.63 U
Benzothiophene	NE	NA	NA	NA	NA	NA	12 UJ	4.4 UJ	2.6 U	2.5 U	1.1 UJ	1.1 U	1.1 U	1.1 U	1.1 UJ
Bromodichloromethane	NE	5.6 U	5.6 U	4.7 U	36.2 U	4.9 U	3.0 U	5.4 U	3.2 U	3.0 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	NE	8.7 U	8.7 U	7.2 U	55.8 U	7.5 U	4.7 U	8.3 U	4.9 U	4.7 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	0.9	3.3 U	3.3 U	2.7 U	21 U	2.8 U	1.8 U	3.1 U	1.8 U	1.8 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
Butadiene, 1,3-	NE	1.9 U	1.9 U	**7.3**	**15.7**	**11.3**	1.0 U	1.8 U	1 U	1.0 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Butane	NE	NA	NA	NA	NA	NA	**11**	**1.5 J**	**1.2 J**	**0.92 J**	**1.3**	**0.26 J**	**0.38 J**	0.48 U	0.48 U
Butanone, 2-	17	**8.8**	**14.2**	**5 J**	**79.6**	**15.9**	**1.9 J**	2.4 UJ	**4.2 J**	**2.1**	**0.35 J**	**0.16 J**	**0.85**	**0.44 J**	0.59 U
Carbon disulfide	NE	2.6 U	**5.6**	**3.1**	16.8 U	**5**	**7.6**	**13 J**	**17 J**	**6.3**	**3.6**	**0.83**	**18**	**8.4**	**0.93**
Carbon tetrachloride	1	5.3 U	5.3 U	4.4 U	34 U	4.6 U	2.8 U	5 U	3 UJ	2.8 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Chlorobenzene	<0.25	3.9 U	3.9 U	3.2 U	24.9 U	3.4 U	2.1 U	3.7 U	2.2 U	2.1 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Chloroethane	0.4	2.2 U	2.2 U	1.8 U	14.2 U	1.9 U	1.2 U	2.1 U	1.2 U	1.2 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U
Chloroform	0.5	4.1 U	**10.7**	3.4 U	26.4 U	3.6 U	2.2 U	**1500**	**1600**	**1000**	**240**	**160**	**580**	**280**	**59**
Chloromethane	4.6	7 U	7 U	5.8 U	45.4 U	6 U	0.93 U	1.6 U	0.97 U	0.94 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 UJ
Chlorotoluene, 2-	NE	NA	NA	NA	NA	NA	2.3 U	4.1 U	2.4 U	2.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cryofluorane	1.3	5.9 U	5.9 U	4.9 U	37.7 U	5.1 U	3.2 U	5.6 U	3.3 U	3.2 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Cyclohexane	3	**271.9**	**3.4**	2.4 U	18.6 U	**2.9**	**1.6**	**270**	**470 J**	**130**	**2.1**	**0.25 J**	**0.31 J**	0.69 U	0.69 U
Decane, n-	3.6	NA	NA	NA	NA	NA	**0.92 J**	**4.6 J**	**19 J**	2.6 U	1.2 U	1.2 U	**51**	**0.64 J**	1.2 U
Dibromochloromethane	NE	7.2 U	7.2 U	6 U	46 U	6.2 U	3.8 U	6.8 U	4 U	3.9 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dibromoethane, 1,2-	<0.25	6.5 U	6.5 U	5.4 U	41.5 U	5.6 U	3.5 U	6.1 U	3.6 U	3.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Dichlorobenzene, 1,2-	0.9	5.1 U	5.1 U	4.2 U	32.5 U	4.4 U	2.7 U	4.8 U	2.8 U	2.7 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,3-	0.7	5.1 U	5.1 U	4.2 U	32.5 U	4.4 U	2.7 U	4.8 U	2.8 U	2.7 U	1.2 U	1.2 U	**4.4**	1.2 U	1.2 U
Dichlorobenzene, 1,4-	0.8	5.1 U	5.1 U	4.2 U	32.5 U	4.4 U	2.7 UJ	4.8 U	**2.4 J**	**1.2 J**	1.2 U	1.2 U	**0.54 J**	1.2 U	1.2 U
Dichlorodifluoromethane	11	4.2 U	**7.4**	3.5 U	26.7 U	3.6 U	**2.8**	4 U	**5.1 J**	2.2 U	**3.2**	**1.9**	**4.6**	**4.7**	**2.9**
Dichloroethane, 1,1-	<0.25	3.4 U	3.4 U	2.8 U	21.9 U	3 U	1.8 U	3.2 U	1.9 U	1.8 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethane, 1,2-	<0.25	3.4 U	3.4 U	2.8 U	21.9 U	3 U	1.8 U	3.2 U	1.9 U	1.8 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethene, 1,1-	<0.25	3.3 U	3.3 U	2.8 U	21.4 U	2.9 U	1.8 U	3.2 U	1.9 U	1.8 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloroethene, cis-1,2-	<0.25	3.3 U	3.3 U	2.8 U	21.4 U	2.9 U	1.8 U	3.2 U	1.9 U	1.8 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloropropane, 1,2-	<0.25	3.9 U	3.9 U	3.2 U	25 U	3.4 U	2.1 U	3.7 U	2.2 U	2.1 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Dichloropropene, cis-1,3	<0.25	3.8 U	3.8 U	3.2 U	24.5 U	3.3 U	2.0 U	3.6 U	2.1 U	2.1 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dichloropropene, trans-1,3	<0.25	3.8 U	3.8 U	3.2 U	24.5 U	3.3 U	2.0 U	3.6 U	2.1 U	2.1 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dioxane, 1,4-	NE	12.3 U	12.3 U	10.1 U	79.3 U	10.5 U	4.1 U	7.2 U	1.7 U	1.6 U	1.8 U	0.72 U	0.72 U	0.72 U	0.72 U
Dodecane, n-	7.6	NA	NA	NA	NA	NA	**1.1 J**	**3.6 J**	3.3 U	**0.79 J**	**0.90 J**	1.4 U	**36 J**	**11**	1.4 UJ
Ethanol	220	**75.4**	**33.9**	**35.8**	**92.3**	**45.2**	**54**	**5 J**	**18 J**	**14**	**1.4 J**	**0.97 J**	**1.7 J**	**0.90 J**	**0.71 J**
Ethylthiophene, 2-	NE	NA	NA	NA	NA	NA	2.1 U	3.7 U	2.2 U	2.1 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Ethyltoluene, p-	NE	4.1 U	**30.5**	3.4 U	26.5 U	**28.5**	**0.89 J**	3.9 U	**3.2 J**	**0.78 J**	0.98 U	0.98 U	**0.44 J**	0.98 U	0.98 U
Heptane, n-	5.1	**282.8**	**8.2**	2.9 U	22.1 U	**13.5**	**2.2**	**15**	**0.65 J**	1.9 U	0.82 UJ	0.82 U	**1.1 J**	0.82 U	0.82 U
Hexachlorobutadiene	7	36.3 U	36.3 U	29.9 U	234.6 U	30.9 UJ	4.8 UJ	8.5 U	5 U	4.8 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-10 5/25/2005	OU2SG-10 8/31/2005	OU2SG-10 2/2/2006	OU2SG-10 6/15/2006	OU2SG-10 9/8/2006	OU2SG-10 2/22/2007	OU2SG-10 6/14/2007	OU2SG-10 7/25/2007	OU2SG-10 9/19/2007	OU2SG-10 12/19/2007	OU2SG-10 3/27/2008	OU2SG-10 6/23/2008	OU2SG-10 9/22/2008	OU2SG-10 12/29/2008
Hexane, n-	3.6	**3.9 J**	**6.7**	**7**	19 U	**15.2**	**6.0**	**400**	**130**	**10**	**0.99**	0.70 U	0.70 U	0.70 U	0.70 U
Hexanone, 2-	NE	13.9 U	13.9 U	11.5 U	90.1 U	11.9 U	4.6 U	3.3 U	**0.67 J**	1.9 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	NA	NA	NA	NA	14 U	**0.65 J**	3.9 U	**2.3 J**	**0.55 J**	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U
Indene	NE	NA	NA	NA	NA	13.8 U	2.2 U	3.8 U	2.2 U	2.2 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U
Isopropyl benzene	0.4	4.1 U	4.1 U	3.4 U	26.5 U	3.6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	5.9	**4.3**	**9.7**	2.5 U	19.5 U	2.6 U	1.6 U	2.9 U	1.7 U	1.6 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Methyl-2-pentanone, 4-	2.9	3.4 U	3.4 U	2.9 U	22.1 U	3 U	**1.1 J**	3.3 U	1.9 U	1.9 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Methylene chloride	2.9	2.9 U	2.9 U	2.4 U	18.8 U	2.5 U	**32 J**	**25**	**9.9 J**	**11**	0.69 U	**0.34 J**	2.0 U	2.7 U	**2.8**
Methylnaphthalene, 1-	NE	NA	NA	NA	NA	NA	33 U	4.6 UJ	**4.4 J**	2.6 U	14 UJ	1.2 U	2.9 UJ	1.2 U	R
Methylnaphthalene, 2-	NE	NA	NA	NA	NA	NA	33 U	4.6 UJ	**11 J**	2.6 U	14 UJ	1.2 U	2.9 UJ	1.2 U	14 UJ
Methylthiophene, 2-	NE	NA	NA	NA	NA	NA	1.8 U	3.2 U	1.9 U	1.8 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Methylthiophene, 3-	NE	NA	NA	NA	NA	NA	1.8 U	3.2 U	1.9 U	1.8 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Naphthalene	10	17.8 U	17.8 U	14.7 U	115.3 UJ	15.2 U	5.9 U	4.2 U	**5.2 J**	**0.83 J**	1.0 U	1.0 U	**0.89 J**	1.0 U	1.0 UJ
Nonane	1.2	NA	NA	NA	NA	NA	**1.4 J**	**4.3**	2.5 U	2.4 U	1.0 U	1.0 U	**0.73 J**	1.0 U	1.0 U
Octane, n-	2.1	NA	NA	NA	NA	NA	**1.4 J**	**4.4**	2.2 U	2.1 U	0.93 U	0.93 U	**220**	**0.37 J**	0.93 U
Pentane	NE	NA	NA	NA	NA	NA	**4.1**	2.4 U	1.4 U	1.3 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U
Propanol, 2-	NE	8.4 U	8.4 U	6.9 U	**76.2**	7.1 U	**3.0**	**18**	**20 J**	**17**	0.49 U	1.2 UJ	**11 J**	**5.8 J**	0.49 UJ
Propylbenzene, n-	0.5	4.1 U	**6.4**	3.4 U	26.5 U	**7.4**	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.6	3.6 U	3.6 U	3 U	23 U	3.1 U	1.9 U	3.4 U	2 U	1.9 U	0.85 U	0.85 U	**0.34 J**	0.85 U	0.85 U
t-Butyl alcohol	NE	NA	NA	NA	NA	NA	1.4 U	2.4 U	**0.87 J**	**0.69 J**	0.61 U	0.61 U	**1.4**	0.61 U	0.61 U
Tetrachloroethane, 1,1,2,2-	<0.25	5.8 U	5.8 U	4.8 U	37.1 U	5 U	3.1 U	5.5 U	3.2 U	3.1 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Tetrachloroethene	1.6	**41.4**	**6.8**	**7.5**	36.6 U	**17**	3.1 U	**12**	**14 J**	**8.2**	**1.6**	**0.94 J**	**5.0**	**5.1**	**0.90 J**
Tetrahydrofuran	0.4	2.5 U	2.5 U	2.1 U	15.9 U	**2.8**	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	NA	NA	NA	NA	NA	2.5 U	4.4 U	**7.3 J**	**2.1 J**	1.1 U	1.1 U	**2.4 J**	1.1 U	1.1 U
Thiophene	NE	NA	NA	NA	NA	NA	1.6 U	2.8 U	1.6 UJ	1.6 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Trans-1,2-dichloroethene	NE	3.3 U	3.3 U	2.8 U	21.4 U	2.9 U	1.8 U	3.2 U	1.9 U	1.8 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	6.4 U	6.4 U	5.4 U	41.4 U	5.6 U	3.5 U	6.1 U	3.6 U	3.5 U	1.5 U	**0.39 J**	**0.69 J**	**0.61 J**	**0.48 J**
Trichlorobenzene, 1,2,4-	4.8	25.2 U	25.2 U	20.8 U	163.3 U	21.5 UJ	3.4 UJ	5.9 U	3.5 U	3.4 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 UJ
Trichloroethane, 1,1,1-	0.7	4.6 U	4.6 U	3.8 U	29.5 U	4 U	2.5 U	4.4 U	**1.4 J**	**1.7 J**	1.1 U	**0.32 J**	**1.5**	**1.5**	**0.43 J**
Trichloroethane, 1,1,2-	<0.25	4.6 U	4.6 U	3.8 U	29.5 U	4 U	2.5 U	4.4 U	2.6 U	2.5 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethene	0.5	4.5 U	4.5 U	3.8 U	29 U	3.9 U	2.4 U	4.3 U	**0.66 J**	**0.98 J**	1.1 U	1.1 U	**0.48 J**	**0.38 J**	1.1 U
Trichlorofluoromethane	6.1	4.7 U	**16.3**	3.9 U	30.3 U	**14.6**	**1.6 J**	**9.4**	**12 J**	**11**	**2.9**	**1.5**	**14**	**12**	**2.7**
Trimethylbenzene, 1,2,3-	0.6	NA	NA	NA	NA	NA	**1.3 J**	3.9 U	**4 J**	**1.2 J**	0.98 U	0.98 U	**2.6**	0.98 U	0.98 U
Trimethylbenzene, 1,2,4-	2.5	4.1 U	**34.4**	3.4 U	26.5 U	**28 J**	**2.8**	**5.5**	**11 J**	**2.3**	**0.25 J**	0.98 U	**0.69 J**	0.98 U	0.98 U
Trimethylbenzene, 1,3,5-	1	4.1 U	**11.8**	3.4 UJ	26.5 U	**8.4**	**0.78 J**	**2.1 J**	**3.6 J**	**1.2 J**	0.98 U	0.98 U	**1.2**	0.98 U	0.98 U
Trimethylpentane, 2,2,4-	2	3.9 U	**7.9**	**794.2**	**6540.8**	**841**	**3.0 J**	**2.5 J**	2.2 U	2.1 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U
Undecane, n-	2.3	NA	NA	NA	NA	NA	**0.87 J**	5.1 U	3 U	2.9 U	1.3 U	1.3 U	**7.8**	**6.1**	1.3 U
Vinyl bromide	NE	NA	NA	NA	NA	NA	2.0 U	3.5 U	2.1 U	2.0 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl chloride	<0.25	2.1 U	2.1 U	1.8 U	13.8 U	1.9 U	1.2 U	2 U	1.2 U	1.2 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Other (%)															
Carbon Dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0187 U	0.0227 U	**0.0171**

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-10 3/31/2009	OU2SG-10 6/17/2009	OU2SG-10 9/23/2009	OU2SG-10 12/29/2009	OU2SG-10 3/25/2010	OU2SG-10 6/8/2010	OU2SG-10 9/21/2010	OU2SG-11 2/21/2007	OU2SG-11 6/14/2007	OU2SG-11 9/12/2007	OU2SG-11 12/19/2007	OU2SG-11 4/3/2008	OU2SG-11 6/19/2008	Duplicate of OU2SG-11 6/19/2008
BTEX (ug/m^3)															
Benzene	5.8	0.64 U	0.64 U	1.3 U	1.3 U	0.64 U	**0.43 J**	1.3 U	**3.6**	**4**	**2.1**	**0.19 J**	0.64 U	**0.16 J**	0.64 UJ
Toluene	21	**0.23 J**	**1.6**	1.5 U	1.5 U	0.75 U	**1.9**	1.5 U	**29**	**2300**	**1700**	**120**	**190**	**150**	**160**
Ethylbenzene	1.9	0.87 U	0.87 U	1.7 U	1.7 U	0.87 U	1.7 U	1.7 U	**5.8**	**13**	**13**	**5.2**	**8.2**	**8.3**	**7.8**
Xylene, m,p-	3.1	1.7 U	1.7 U	3.5 U	3.5 U	1.7 U	3.5 U	3.5 U	**17**	**38**	**41**	**21**	**28**	**20**	**22**
Xylene, o-	2.5	0.87 U	0.87 U	1.7 U	1.7 U	0.87 U	1.7 U	1.7 U	**5.4**	**11**	**13**	**7.2**	**9.0**	**6.6**	**7.3**
Other VOCs (ug/m^3)															
Acetaldehyde	NE	3.6 U	4.6 U	**4.0 J**	9.0 U	**2.7 J**	**7.8 J**	9.0 U	**1600 J**	66 U	**91**	1.8 U	4.5 U	**11**	**9.1**
Acetone	58	5.0 U	3.7 U	4.8 U	3.6 U	**1.7 J**	**6.7 J**	**5.0 JB**	5.0 U	**67**	**8.9**	2.3 U	2.3 U	1.2 UJ	**3.3 J**
Acrolein (propenal)	NE	**0.46**	**0.90 J**	2.3 U	2.3 U	1.2 U	2.3 U	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	NE	0.63 U	0.63 U	1.2 U	1.2 U	0.63 U	1.2 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	NE	14 UJ	1.1 U	2.2 U	2.2 U	1.1 U	5.5 U	5.5 U	12 UJ	4.3 U	32 U	1.1 UJ	1.1 UJ	1.1 UJ	1.1 U
Bromodichloromethane	NE	1.3 U	1.3 U	2.7 U	2.7 U	1.3 U	2.7 U	2.7 U	**120**	**17**	3.1 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	NE	2.1 U	2.1 U	4.1 U	4.1 U	2.1 U	4.1 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	0.9	0.78 U	0.78 U	1.6 U	1.6 U	0.78 U	1.6 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-	NE	0.44 U	0.44 U	0.88 U	0.88 U	0.44 U	0.88 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	NE	0.48 U	**0.32 J**	0.95 U	0.95 U	**0.21 J**	**0.75 J**	0.95 U	**9660**	**31**	1.1 U	0.48 U	**2.0**	**2.9**	**2.6**
Butanone, 2-	17	**1.3**	**0.77**	1.2 U	1.2 U	0.59 U	**0.95 J**	1.2 U	**2.7 J**	2.3 U	1.4 U	**0.65**	**0.48 J**	**0.83**	**0.56 J**
Carbon disulfide	NE	**3.9**	**3.0**	**1.4**	**0.37 J**	0.62 U	**2.5**	**0.81 J**	1.3 U	**27**	**17**	**0.72**	**12**	**27**	**32**
Carbon tetrachloride	1	1.3 U	1.3 U	2.5 U	2.5 U	1.3 U	2.5 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	<0.25	0.92 U	0.92 U	1.8 U	1.8 U	0.92 U	1.8 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	0.4	0.53 U	0.53 U	1.0 U	1.0 U	0.53 U	1.0 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	0.5	**52**	**100**	**76**	**22**	**21**	**45**	**36**	**1350**	**87**	**5.9**	**0.29 J**	**2.3**	**1.7**	**1.7**
Chloromethane	4.6	0.41 UJ	0.41 UJ	0.83 UJ	0.83 U	0.41 UJ	0.83 UJ	0.83 U	0.87 U	1.6 U	0.95 U	0.41 U	0.41 U	**0.12 J**	**0.17 J**
Chlorotoluene, 2-	NE	1.0 U	1.0 U	2.1 U	2.1 U	1.0 U	2.1 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	1.3	1.4 U	1.4 U	2.8 U	2.8 U	1.4 U	2.8 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	3	0.69 U	0.69 U	1.4 U	1.4 U	0.69 U	1.4 U	1.4 U	**410**	**430**	**190**	**4.4**	**55**	**58 J**	**41 J**
Decane, n-	3.6	1.2 U	**1.1 J**	2.3 U	2.3 U	1.2 U	2.3 U	2.3 U	**1.3 J**	4.6 U	2.7 U	1.2 U	1.2 UJ	**16**	**15**
Dibromochloromethane	NE	1.7 U	1.7 U	3.4 U	3.4 U	1.7 U	3.4 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-	<0.25	1.5 U	1.5 U	3.1 U	3.1 U	1.5 U	3.1 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-	0.9	1.2 U	1.2 U	2.4 U	2.4 U	1.2 U	2.4 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-	0.7	1.2 U	1.2 U	2.4 U	2.4 U	1.2 U	2.4 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-	0.8	1.2 U	1.2 U	2.4 U	2.4 U	1.2 U	2.4 U	2.4 U	2.5 UJ	4.7 U	**2.2 J**	**0.78 J**	**0.99 J**	**2.0**	**2.2**
Dichlorodifluoromethane	11	**2.6**	**3.2**	**3.5**	**2.3**	**2.4**	**2.5**	**12**	**0.73 J**	**2 J**	**2.4**	**3.1**	**2.3**	**1.8**	**2.3**
Dichloroethane, 1,1-	<0.25	0.81 U	0.81 U	1.6 U	1.6 U	0.81 U	1.6 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-	<0.25	0.81 U	0.81 U	1.6 U	1.6 U	0.81 U	1.6 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-	<0.25	0.79 U	0.79 U	1.6 U	1.6 U	0.79 U	1.6 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-	<0.25	0.79 U	0.79 U	1.6 U	1.6 U	0.79 U	1.6 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-	<0.25	0.92 U	0.92 U	1.8 U	1.8 U	0.92 U	1.8 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	<0.25	0.91 U	0.91 U	1.8 U	1.8 U	0.91 U	1.8 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	<0.25	0.91 U	0.91 U	1.8 U	1.8 U	0.91 U	1.8 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-	NE	0.72 U	0.72 UJ	1.4 U	1.4 U	0.72 U	**0.66 J**	1.4 U	3.8 U	7.1 U	1.7 U	1.8 U	0.72 U	0.72 U	0.72 U
Dodecane, n-	7.6	1.4 U	**0.59 J**	**2.9 J**	2.8 UJ	**0.63 J**	**1.6 J**	2.8 U	**1.5 J**	**25**	**4.3**	**1.0 J**	**1.0 J**	**0.90 J**	**1.7 J**
Ethanol	220	**0.94 J**	6.0 U	3.8 U	3.8 U	**1.1 J**	**2.7 J**	**1.4 J**	**30**	**10**	**30**	**2.8**	**1.9 J**	**0.75 J**	**0.94 J**
Ethylthiophene, 2-	NE	0.92 U	0.92 U	1.8 U	1.8 U	0.92 U	1.8 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
Ethyltoluene, p-	NE	0.98 U	0.98 U	2.0 U	2.0 U	0.98 U	2.0 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**
Heptane, n-	5.1	0.82 U	0.82 U	1.6 U	1.6 U	0.82 U	1.6 U	1.6 U	**58**	**12**	**4.4**	0.82 UJ	0.82 UJ	**0.20 J**	0.82 U
Hexachlorobutadiene	7	2.1 U	2.1 U	4.3 U	4.3 U	2.1 U	4.3 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

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-10 3/31/2009	OU2SG-10 6/17/2009	OU2SG-10 9/23/2009	OU2SG-10 12/29/2009	OU2SG-10 3/25/2010	OU2SG-10 6/8/2010	OU2SG-10 9/21/2010	OU2SG-11 2/21/2007	OU2SG-11 6/14/2007	OU2SG-11 9/12/2007	OU2SG-11 12/19/2007	OU2SG-11 4/3/2008	OU2SG-11 6/19/2008	Duplicate of OU2SG-11 6/19/2008
Hexane, n-	3.6	0.70 U	**0.20 J**	1.4 U	1.4 U	0.70 U	1.4 U	1.4 U	**530**	**540**	**180**	**0.95**	**6.8**	**3.9 J**	**2.7 J**
Hexanone, 2-	NE	0.82 U	0.82 U	1.6 U	1.6 U	0.82 U	1.6 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	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	0.97 U	0.97 U	1.9 U	1.9 U	0.97 U	1.9 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	NE	0.95 U	0.95 U	1.9 U	1.9 U	0.95 U	1.9 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	0.4	NA	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	1.4 U	1.4 U	0.72 U	1.4 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-	2.9	0.82 U	0.82 U	1.6 U	1.6 U	0.82 U	1.6 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	2.9	1.7 U	1.7 U	3.5 U	3.5 U	1.7 U	**3.2 J**	**4.4 J**	**15 J**	**4.1 J**	**10**	0.69 U	1.7 U	1.7 U	1.3 U
Methylnaphthalene, 1-	NE	5.8 U	1.2 U	2.3 UJ	2.3 U	2.9 UJ	5.8 U	5.8 U	30 U	4.6 U	13 U	14 UJ	1.2 UJ	2.9 UJ	2.9 UJ
Methylnaphthalene, 2-	NE	5.8 U	1.2 U	2.3 U	2.3 U	2.9 UJ	5.8 U	5.8 U	30 U	4.6 U	**0.67 J**	14 UJ	1.2 UJ	**0.46 J**	2.9 UJ
Methylthiophene, 2-	NE	0.80 U	0.80 U	1.6 U	1.6 U	0.80 U	1.6 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-	NE	0.80 U	0.80 U	1.6 U	1.6 U	0.80 U	1.6 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	10	1.0 U	1.0 U	2.1 U	2.1 U	1.0 U	2.1 U	2.1 U	5.5 U	4.1 U	**2.7**	**0.94 J**	**0.79 J**	**1.5**	**0.84 J**
Nonane	1.2	1.0 U	1.0 U	2.1 U	2.1 U	1.0 U	2.1 U	2.1 U	**1.4 J**	**4.4**	**2.7**	**1.9**	1.0 U	1.0 U	1.0 U
Octane, n-	2.1	0.93 U	**0.24 J**	1.9 U	1.9 U	0.93 U	1.9 U	1.9 U	**4.8**	**2.6 J**	**0.86 J**	**0.56 J**	0.93 U	**1.5**	**0.89 J**
Pentane	NE	0.59 U	**1.4**	1.2 U	1.2 U	0.59 U	**0.50 J**	1.2 U	**2140**	**8.2**	1.4 U	0.59 U	**1.4**	**0.65**	**0.44 J**
Propanol, 2-	NE	0.49 UJ	1.2 U	2.5 UJ	2.5 U	1.2 U	2.5 U	2.5 U	**3.0**	**2.6 J**	**1.5**	**1.6 J**	**0.48 J**	**0.49 J**	**0.47 J**
Propylbenzene, n-	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.6	0.85 U	0.85 U	1.7 U	1.7 U	0.85 U	1.7 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	NE	0.61 U	**0.28 J**	1.2 U	1.2 U	0.61 U	1.2 U	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-	<0.25	1.4 U	1.4 U	2.7 U	2.7 U	1.4 U	2.7 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	1.6	**1.0 J**	3.4 U	**2.8**	2.7 U	**0.81 J**	**2.2 J**	**2.8**	**14**	**11**	**1.6 J**	1.4 U	1.4 U	**0.95 J**	**1.5**
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	5.5 U	1.1 U	2.2 U	2.2 U	1.1 U	2.2 U	2.2 U	2.3 U	**4.3 J**	**6.1 J**	**3.3**	**3.2**	**16 J**	**17 J**
Thiophene	NE	0.69 U	0.69 U	1.4 U	1.4 U	0.69 U	1.4 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	NE	0.79 U	0.79 U	1.6 U	1.6 U	0.79 U	1.6 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	**0.61 J**	1.5 U	3.1 U	3.1 U	**0.54 J**	3.1 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-	4.8	1.5 U	1.5 U	3.0 U	3.0 U	1.5 U	3.0 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-	0.7	**0.33 J**	**0.71 J**	**0.98 J**	2.2 U	1.1 U	2.2 U	**0.87 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-	<0.25	1.1 U	1.1 U	2.2 U	2.2 U	1.1 U	2.2 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	0.5	1.1 U	1.1 U	2.2 U	2.2 U	1.1 U	2.2 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	6.1	**1.9**	**7.7**	**14 J**	**1.6 J**	**2.3**	**3.5**	**6.6**	**1.1 J**	4.4 U	**1.3 J**	1.3 U	**1.7**	**1.0 J**	**1.5**
Trimethylbenzene, 1,2,3-	0.6	0.98 U	0.98 U	2.0 U	2.0 U	0.98 U	2.0 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-	2.5	0.98 U	0.98 U	2.0 U	2.0 U	0.98 U	2.0 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-	1	0.98 U	0.98 U	2.0 U	2.0 U	0.98 U	2.0 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	0.93 U	0.93 U	1.9 U	1.9 U	0.93 U	1.9 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-	2.3	1.3 U	1.3 U	2.6 U	2.6 U	1.3 U	**1.1 J**	2.6 U	**1.7 J**	5 U	3.0 U	1.3 U	**4.8**	**18 J**	1.3 UJ
Vinyl bromide	NE	0.87 U	0.87 U	1.8 U	1.8 U	0.87 U	1.8 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	<0.25	0.51 U	0.51 U	1.0 U	1.0 U	0.51 U	1.0 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	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NE	0.0174 U	0.0169	0.0036 U	0.0165 U	0.0168 U	0.0151 U	0.017 U	NA	NA	NA	NA	NA	0.0168 U	0.0178 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-11 8/13/2008	OU2SG-11 9/22/2008	OU2SG-11 9/24/2008	OU2SG-11 12/29/2008	Duplicate of OU2SG-11 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
BTEX (ug/m^3)															
Benzene	5.8	**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**
Toluene	21	**21**	**11**	**6.6**	**1.7**	**1.1**	**9.7**	**13**	**12**	**13**	**12**	**13**	**18**	**23**	**48 J**
Ethylbenzene	1.9	**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**
Xylene, m,p-	3.1	**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**
Xylene, o-	2.5	**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**
Other VOCs (ug/m^3)															
Acetaldehyde	NE	**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
Acetone	58	**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
Acrolein (propenal)	NE	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	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	0.63 U
Benzothiophene	NE	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**
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	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	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	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	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 UJ
Butane	NE	**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**
Butanone, 2-	17	**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
Carbon disulfide	NE	**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**
Carbon tetrachloride	1	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	<0.25	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	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	0.53 U
Chloroform	0.5	**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	**0.77 J**	**1.7**
Chloromethane	4.6	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
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	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	1.4 U
Cyclohexane	3	**80**	**36**	**17**	**24 J**	**6.8 J**	**21**	**16**	**10**	**8.1**	**6.2**	**5.5**	**5.8**	**4.1**	**6.4**
Decane, n-	3.6	**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**
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	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	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	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	1.2 U
Dichlorobenzene, 1,4-	0.8	**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**
Dichlorodifluoromethane	11	**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**
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	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	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	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	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	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	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	0.91 U
Dioxane, 1,4-	NE	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-	7.6	**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**
Ethanol	220	**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
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	0.92 U
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	**0.29 J**
Heptane, n-	5.1	**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**
Hexachlorobutadiene	7	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	2.1 U	**1.5 J**

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-11 8/13/2008	OU2SG-11 9/22/2008	OU2SG-11 9/24/2008	OU2SG-11 12/29/2008	Duplicate of OU2SG-11 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
Hexane, n-	3.6	**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**
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	0.82 U
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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	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	0.95 U
Isopropyl benzene	0.4	NA	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 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	0.82 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	2.9	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
Methylnaphthalene, 1-	NE	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**
Methylnaphthalene, 2-	NE	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 U	5.8 UJ	1.2 U	**1.1 J**
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	0.80 U	0.80 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	0.80 U
Naphthalene	10	**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**
Nonane	1.2	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**
Octane, n-	2.1	**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**
Pentane	NE	**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
Propanol, 2-	NE	0.49 U	0.49 U	0.49 U	0.49 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	**9.2 J**	1.2 U	1.2 U	0.49 U	0.47 U
Propylbenzene, n-	0.5	NA	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	**0.32 J**	0.85 U	0.85 U	**0.50 J**
t-Butyl alcohol	NE	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
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	1.4 U
Tetrachloroethene	1.6	**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
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	**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**
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	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	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	**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**
Trichlorobenzene, 1,2,4-	4.8	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**
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	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	1.1 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	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichlorofluoromethane	6.1	**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**
Trimethylbenzene, 1,2,3-	0.6	**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
Trimethylbenzene, 1,2,4-	2.5	**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**
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	**0.28 J**
Trimethylpentane, 2,2,4-	2	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-	2.3	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**
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	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	0.51 U
Other (%)															
Carbon Dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NE	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**

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-11 2/16/2009	OU2SG-11 2/17/2009	OU2SG-11 2/18/2009	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
BTEX (ug/m^3)															
Benzene	5.8	**0.16 J**	0.64 U	**0.17 J**	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
Toluene	21	**28 J**	**18**	**18**	**20**	**14**	**13**	**17**	**27**	**30**	**28**	**66**	**56**	**29**	**30**
Ethylbenzene	1.9	**0.96**	**0.75 J**	**0.75 J**	**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**
Xylene, m,p-	3.1	**2.7**	**2.4**	**2.5**	**3.1**	**2.3**	**1.7**	**1.9**	**2.6**	**3.7**	**4.6**	**8.9**	**7.9**	**3.8**	**4.0**
Xylene, o-	2.5	**0.86 J**	**0.66 J**	**0.72 J**	**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**
Other VOCs (ug/m^3)															
Acetaldehyde	NE	4.5 U	2.9 U	2.0 U	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
Acetone	58	2.5 U	1.6 U	1.5 U	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
Acrolein (propenal)	NE	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	**0.25 J**	0.46 U	0.46 U	0.46 U	0.46 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	0.63 U	0.63 U
Benzothiophene	NE	1.1 U	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	2.7 U	2.7 U	2.7 U	14 UJ
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	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	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	0.78 U
Butadiene, 1,3-	NE	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 UJ	0.44 UJ	0.44 U
Butane	NE	**0.46 J**	0.48 U	0.48 U	**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**
Butanone, 2-	17	**1.3**	0.59 U	0.59 U	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**
Carbon disulfide	NE	**3.8 J**	0.62 U	**1.5**	**1.7**	**1.7**	**1.7**	**2.0**	**2.4**	**4.2**	0.62 U	**5.3**	**7.6**	**4.4**	**4.7**
Carbon tetrachloride	1	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	<0.25	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	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	0.53 U
Chloroform	0.5	**0.91 J**	**0.45 J**	**0.34 J**	**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**
Chloromethane	4.6	0.41 U	0.41 U	**0.17 J**	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**
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	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	1.4 U
Cyclohexane	3	**6.7**	**0.86**	**1.6**	**1.7**	**1.7**	**1.9**	**2.8**	**3.6**	**6.5**	**1.2**	**8.1**	**9.5**	**7.1**	**3.8**
Decane, n-	3.6	**1.0 J**	**0.34 J**	**0.35 J**	**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**
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	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	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	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	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	1.2 U
Dichlorodifluoromethane	11	**2.2**	**2.4**	**2.3**	**2.4**	**2.8**	**2.5**	**2.6**	**2.6**	**2.4**	**2.6**	**2.5**	**2.7**	**2.5**	**2.6**
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	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 UJ	0.81 U	0.81 UJ	0.81 UJ	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	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	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	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	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	0.91 U
Dioxane, 1,4-	NE	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-	7.6	**28 J**	**0.39 J**	**0.39 J**	**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**
Ethanol	220	1.9 U	**0.68 J**	**0.86 J**	**1.2 J**	**0.90 J**	**1.8 J**	**0.91 J**	**0.97 J**	**8.2**	**1.2 J**	**0.63 J**	**0.72 J**	4.7 U	**0.84 J**
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	0.92 U
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	**0.25 J**	0.98 U	**0.27 J**	0.98 U	0.98 U	0.98 U
Heptane, n-	5.1	**0.73 J**	**0.23 J**	**0.26 J**	**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**
Hexachlorobutadiene	7	2.1 U	2.1 UJ	2.1 UJ	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

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-11 2/16/2009	OU2SG-11 2/17/2009	OU2SG-11 2/18/2009	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
Hexane, n-	3.6	**0.99 J**	0.70 U	0.70 U	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**
Hexanone, 2-	NE	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	2.0 U	2.0 U	2.0 U	2.0 U	0.82 U
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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	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	0.95 U
Isopropyl benzene	0.4	NA	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 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	0.82 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
Methylene chloride	2.9	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	1.7 U	1.7 U	1.7 U	3.3 U	1.7 U
Methylnaphthalene, 1-	NE	**0.44 J**	2.9 UJ	R	R	2.9 UJ	2.9 U	2.9 U	2.9 UJ	1.2 UJ	2.9 UJ	2.9 U	2.9 UJ	2.9 UJ	5.8 U
Methylnaphthalene, 2-	NE	**1.0 J**	2.9 UJ	2.9 UJ	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
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	0.80 U	0.80 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	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	**0.32 J**	1.0 U	1.0 U	**0.35 J**	1.0 U	1.0 U
Nonane	1.2	**4.2**	**2.8**	**3.3**	**4.0**	**2.4**	**2.1**	**2.0**	**2.0**	**1.9**	**2.2**	**2.6**	**2.2**	1.0 U	**1.2**
Octane, n-	2.1	**2.4**	**2.7**	**2.6**	**2.8**	**2.1**	**1.6**	**1.9**	**2.3**	**1.4**	**1.6**	**1.5**	**1.5**	**0.64 J**	**0.96**
Pentane	NE	0.59 U	0.59 U	0.59 U	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**
Propanol, 2-	NE	0.69 U	1.2 U	1.2 U	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**
Propylbenzene, n-	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.6	**0.22 J**	0.85 U	0.85 U	**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**
t-Butyl alcohol	NE	1.5 U	0.61 U	0.61 U	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**
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	1.4 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	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	NA
Tetramethylbenzene, 1,2,4,5-	NE	**0.67 J**	2.7 U	2.7 U	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**
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	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	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	**0.61 J**	**0.48 J**	**0.49 J**	**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**
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	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	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	1.1 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	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichlorofluoromethane	6.1	**1.3**	**0.96 J**	**0.98 J**	**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**
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	**0.31 J**	0.98 U	**0.37 J**	**0.29 J**	0.98 U	0.98 U
Trimethylbenzene, 1,2,4-	2.5	**0.28 J**	0.98 U	0.98 U	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**
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	0.98 U
Trimethylpentane, 2,2,4-	2	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-	2.3	**22**	1.3 U	1.3 U	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
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	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	0.51 U
Other (%)															
Carbon Dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**5.88**	**5.8**
Helium	NE	**0.0182**	**0.0172**	**0.0211**	0.0182 U	**0.0216**	**0.0246**	**0.0176**	**0.0202**	**0.0222**	**0.099**	0.0159 U	**0.0221**	**0.0198**	**0.148**

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	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	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
BTEX (ug/m^3)															
Benzene	5.8	**0.16 J**	0.64 U	0.64 U	0.64 U	0.64 UJ	0.64 U	0.64 U	**0.16 J**	**0.21 J**	0.64 U	0.64 U	0.64 U	**0.33 J**	0.64 U
Toluene	21	**31**	**24**	**25**	**19**	**32**	**36**	**23**	**34**	**55**	**60**	**56**	0.75 U	**5.4**	**3.2**
Ethylbenzene	1.9	**1.4**	**1.0**	**1.0**	**0.78 J**	**1.2**	**1.1**	**0.54 J**	**1.4**	**2.2**	**3.3**	**3.2**	0.87 U	**0.66 J**	**0.37 J**
Xylene, m,p-	3.1	**4.6**	**3.2**	**3.5**	**2.7**	**4.0**	**3.6**	**1.0 J**	**4.8**	**7.0**	**8.6**	**8.2**	1.7 U	**1.4 J**	**0.87 J**
Xylene, o-	2.5	**1.4**	**1.0**	**1.1**	**0.80 J**	**1.1**	**0.95**	**0.22 J**	**1.2**	**2.0**	**2.8**	**2.6**	0.87 U	**0.64 J**	**0.31 J**
Other VOCs (ug/m^3)															
Acetaldehyde	NE	3.6 UJ	3.6 UJ	3.6 UJ	3.6 UJ	3.6 UJ	3.6 UJ	3.6 UJ	4.5 U	4.5 UJ	4.5 UJ	4.5 UJ	4.5 U	4.5 UJ	4.5 UJ
Acetone	58	2.1 U	6.0 U	**4.1 J**	1.8 UJ	1.9 U	1.8 U	1.8 U	**2.6**	**4.3**	2.9 U	4.0 U	1.8 U	2.9 U	1.8 UJ
Acrolein (propenal)	NE	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 U	1.2 U	1.2 UJ	**0.34 J**	1.2 UJ
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	0.63 U
Benzothiophene	NE	14 UJ	14 UJ	14 UJ	14 UJ	14 U	14 UJ	14 UJ	14 U	14 UJ	1.1 U	1.1 U	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	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 UJ	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	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	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Butane	NE	**0.31 J**	**0.48**	**0.86**	**2.3**	**0.29 J**	**0.31 J**	0.48 U	**0.26 J**	0.48 U	**0.74**	**0.33 J**	0.48 U	**0.84**	**57**
Butanone, 2-	17	**0.39 J**	**0.29 J**	0.59 U	**0.29 J**	0.59 U	0.59 U	0.59 U	**0.40 J**	0.59 U	**0.29 J**	0.59 U	0.59 U	**0.87**	**0.46 J**
Carbon disulfide	NE	**5.3**	**4.8**	**5.1**	**3.5**	**6.1**	**8.2**	**5.5**	**7.2**	**14**	**21**	**26**	0.62 U	**56**	**63**
Carbon tetrachloride	1	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	**0.50 J**	**0.50 J**	1.3 U	**0.35 J**	1.3 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	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	0.53 U
Chloroform	0.5	**0.48 J**	**0.55 J**	**0.54 J**	**1.5**	**0.93 J**	**0.44 J**	**0.44 J**	**0.38 J**	**0.95 J**	**6.3**	**4.2**	0.98 U	**3.1**	**21**
Chloromethane	4.6	**0.11 J**	0.41 U	**0.14 J**	0.41 U	0.41 U	0.41 U	**0.13 J**	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	**0.14 J**	**0.11 J**
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	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	1.4 U
Cyclohexane	3	**3.9**	**3.5**	**3.8**	**2.8**	**4.1**	**5.2**	**3.7**	**6.4**	**11**	**20**	**20**	0.69 U	**27**	**25**
Decane, n-	3.6	**0.35 J**	1.2 U	**0.47 J**	**0.46 J**	1.2 U	**0.47 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	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	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	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	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	**0.48 J**	**0.48 J**	1.2 U	**0.82 J**	**0.67 J**
Dichlorodifluoromethane	11	**3.0**	**2.9**	**2.6**	**2.6**	**2.6**	**2.7**	**2.7**	**2.5**	**2.4**	**0.84 J**	**1.0**	0.99 U	**1.2**	**0.98 J**
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	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	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	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	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	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	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	0.91 U
Dioxane, 1,4-	NE	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 UJ	0.72 UJ	0.72 UJ	0.72 UJ
Dodecane, n-	7.6	**0.47 J**	**1.4 J**	**1.2 J**	**1.2 J**	**0.84 J**	**1.2 J**	1.4 U	**0.63 J**	**0.70 J**	**0.49 J**	**0.84 J**	1.4 U	1.4 U	**1.5**
Ethanol	220	**0.97 J**	**0.56 J**	**1.4 J**	**0.53 J**	**47**	1.9 U	**0.74 J**	**0.85 J**	**0.78 J**	1.9 U	1.9 U	1.9 U	**5.3**	1.3 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	0.92 U	0.92 U
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	**0.25 J**	**0.29 J**	0.98 U	0.98 U	0.98 U
Heptane, n-	5.1	**1.8**	**0.58 J**	**1.3**	**0.21 J**	**0.82**	**0.49 J**	**0.33 J**	**0.44 J**	0.82 U	0.82 U	0.82 U	0.82 U	**0.46 J**	**0.36 J**
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	2.1 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	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	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
Hexane, n-	3.6	**0.78**	**0.61 J**	**1.0**	**0.58 J**	**0.77**	**1.1**	**0.64 J**	**1.2**	**2.0**	**1.8**	**2.0**	0.70 U	**1.1**	**2.2**
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	0.82 U
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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 UJ	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 UJ	0.95 U
Isopropyl benzene	0.4	NA	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 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	0.82 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	2.9	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	2.4 U	**0.90 J**	**0.56 J**	**0.55 J**	**0.44 J**	1.7 U
Methylnaphthalene, 1-	NE	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	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Methylnaphthalene, 2-	NE	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	**0.41 J**	1.2 U	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	0.80 U	0.80 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	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	**0.37 J**	**0.52 J**	1.0 U	**0.35 J**	1.0 U
Nonane	1.2	**1.4**	**1.2**	**1.7**	**1.2**	**1.7**	**1.4**	1.0 U	**1.5**	**1.2**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Octane, n-	2.1	**1.1**	**1.0**	**1.8**	**1.4**	**2.4**	**2.1**	**0.75 J**	**1.4**	**0.74 J**	0.93 U	**0.33 J**	0.93 U	**2.2**	0.93 U
Pentane	NE	**0.23 J**	**0.20 J**	**0.65**	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	**0.27 J**	0.59 U	0.59 U	**0.76**	**13**
Propanol, 2-	NE	0.49 U	0.49 U	0.49 U	**0.52**	**2.6**	**0.52**	0.49 U	**0.61**	0.49 U	1.2 U	1.4 U	1.2 U	1.2 U	1.5 U
Propylbenzene, n-	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.6	**0.56 J**	**0.35 J**	**0.38 J**	**0.35 J**	**0.38 J**	**0.30 J**	0.85 U	**0.40 J**	**0.55 J**	**0.60 J**	**0.64 J**	0.85 U	**0.25 J**	0.85 U
t-Butyl alcohol	NE	0.61 U	0.61 U	**0.15 J**	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-	<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	1.4 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	1.4 U	**0.41 J**	**0.75 J**	1.4 U	**0.70 J**	**0.68 J**
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	**2.1 J**	**1.5 J**	**2.1 J**	**1.6 J**	**1.4 J**	**0.77 J**	5.5 U	**1.5 J**	**2.2 J**	**1.2 J**	**1.0 J**	1.1 U	**0.56 J**	**0.41 J**
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	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	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	**0.69 J**	**0.61 J**	**0.61 J**	**0.59 J**	**0.54 J**	**0.54 J**	**0.47 J**	**0.51 J**	**0.49 J**	**0.38 J**	**0.46 J**	1.5 U	**0.42 J**	**0.53 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	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	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	1.1 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	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichlorofluoromethane	6.1	**1.6**	**1.2**	**1.2**	**1.2**	**1.1 J**	**1.2**	**1.1**	**1.0 J**	**1.2**	**0.79 J**	**0.84 J**	1.1 U	**1.0 J**	**1.2**
Trimethylbenzene, 1,2,3-	0.6	**0.26 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	**0.29 J**	0.98 U	0.98 U	0.98 U
Trimethylbenzene, 1,2,4-	2.5	**0.42 J**	**0.28 J**	**0.34 J**	**0.26 J**	**0.25 J**	0.98 U	0.98 U	**0.28 J**	**0.40 J**	**0.44 J**	**0.54 J**	0.98 U	0.98 U	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	0.98 U
Trimethylpentane, 2,2,4-	2	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
Undecane, n-	2.3	**0.47 J**	**1.0 J**	**1.2 J**	**1.2 J**	1.3 U	**1.5**	1.3 U	1.3 U	1.3 U	1.3 UJ	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	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	0.51 U
Other (%)															
Carbon Dioxide	NE	**6.36**	**6.07**	**6.52**	**7.6**	**7.87**	**6.68**	**2.39**	**5.34**	**7**	**10.4**	**8**	**9.44**	**10.1**	**11.9**
Helium	NE	**0.0174**	**0.0158**	**0.017**	**0.0164**	NA	**0.0178**	**0.02**	**0.0191**	**0.0199**	0.0192 U	0.016 U	0.017 U	**0.0191**	**0.0162**

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	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	OU2SG-11 10/14/2009	OU2SG-11 10/19/2009	OU2SG-11 10/30/2009	OU2SG-11 11/11/2009	OU2SG-11 11/17/2009	OU2SG-11 11/18/2009	OU2SG-11 12/28/2009
BTEX (ug/m^3)															
Benzene	5.8	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	3.2 U	1.6 U	1.6 U	1.6 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Toluene	21	**5.6**	**5.9**	**13**	**5.7**	**10 J**	**5.1**	**3.8**	**1.7 J**	**0.85 J**	**2.1**	**1.4 J**	**4.1**	**2.6**	**1.3 J**
Ethylbenzene	1.9	**0.74 J**	**0.61 J**	**1.0**	**0.56 J**	**1.3 J**	4.3 U	2.2 U	2.2 U	2.2 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Xylene, m,p-	3.1	**1.6 J**	**2.0**	**2.9**	**1.6 J**	**3.6 J**	8.7 U	**1.1 J**	4.3 U	4.3 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
Xylene, o-	2.5	**0.55 J**	**0.74 J**	**0.91**	**0.48 J**	**1.2 J**	4.3 U	2.2 U	2.2 U	2.2 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Other VOCs (ug/m^3)															
Acetaldehyde	NE	4.5 UJ	**13**	**12**	5.4 U	**9.3 J**	22 U	5.6 U	**15**	4.5 U	9.0 U	9.0 U	**2.9 J**	9.0 U	9.0 UJ
Acetone	58	**3.7 J**	5.8 U	5.1 U	4.9 U	**4.2 J**	13 U	3.9 U	4.9 U	4.5 U	3.6 U	**1.2 J**	**1.4 J**	**1.4 J**	3.6 UJ
Acrolein (propenal)	NE	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	5.7 U	2.9 U	2.9 U	2.9 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U
Allyl chloride	NE	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	3.1 U	1.6 U	1.6 U	1.6 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Benzothiophene	NE	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	5.5 UJ	2.7 U	2.7 U	2.7 U	2.2 UJ	2.2 UJ	2.2 UJ	2.2 UJ	2.2 U
Bromodichloromethane	NE	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	6.7 U	3.4 U	3.4 U	3.4 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
Bromoform	NE	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	10 U	5.2 U	5.2 U	5.2 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U
Bromomethane	0.9	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	3.9 U	1.9 U	1.9 U	1.9 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Butadiene, 1,3-	NE	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	2.2 U	1.1 U	1.1 U	1.1 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U
Butane	NE	**1.0**	**2.8**	**0.55**	**0.62**	**0.57 J**	2.4 U	**0.59 J**	1.2 U	1.2 U	**0.38 J**	0.95 U	0.95 U	0.95 U	**3.8**
Butanone, 2-	17	**0.76**	**1.1**	**0.88**	0.59 U	**0.47 J**	3.0 U	1.5 U	1.5 U	1.5 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Carbon disulfide	NE	**56 J**	**48**	**53**	**8.9**	**11 J**	4.7 U	3.0 U	**1.0 J**	**0.54 J**	1.2 U	**0.87 J**	**0.68 J**	**0.62 J**	**0.44 J**
Carbon tetrachloride	1	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	6.3 U	3.1 U	3.1 U	3.1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chlorobenzene	<0.25	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	4.6 U	2.3 U	2.3 U	2.3 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Chloroethane	0.4	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	2.6 U	1.3 U	1.3 U	1.3 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	0.5	**3.0**	**1.9**	**1.8**	**1.2**	**1.7 J**	**2.2 J**	**1.2 J**	2.4 U	2.4 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chloromethane	4.6	0.41 U	**0.17 J**	0.41 U	**0.10 J**	0.41 U	2.1 U	1.0 U	1.0 U	1.0 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U
Chlorotoluene, 2-	NE	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.2 U	2.6 U	2.6 U	2.6 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Cryofluorane	1.3	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	7.0 U	3.5 U	3.5 U	3.5 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U
Cyclohexane	3	**32**	**26**	**30**	**34**	**39 J**	**20**	**40**	**20**	**11**	**19**	**10**	**3.1**	**2.1**	**8.5 J**
Decane, n-	3.6	1.2 U	**1.2**	1.2 U	1.2 U	1.2 U	5.8 U	2.9 U	2.9 U	2.9 U	2.3 U	2.3 U	2.3 U	**4.1**	2.3 U
Dibromochloromethane	NE	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	8.5 U	4.3 U	4.3 U	4.3 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U
Dibromoethane, 1,2-	<0.25	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	7.7 U	3.8 U	3.8 U	3.8 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Dichlorobenzene, 1,2-	0.9	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	6.0 U	3.0 U	3.0 U	3.0 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U
Dichlorobenzene, 1,3-	0.7	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	6.0 U	3.0 U	3.0 U	3.0 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U
Dichlorobenzene, 1,4-	0.8	**0.97 J**	**0.84 J**	**0.96 J**	**0.66 J**	**1.1 J**	6.0 U	3.0 U	3.0 U	3.0 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U
Dichlorodifluoromethane	11	**2.2**	**1.5**	**1.3**	**1.7**	**2.1 J**	**1.7 J**	**2.6**	**2.5**	**2.5**	**3.3**	**2.9**	**2.4**	**2.8**	**3.2**
Dichloroethane, 1,1-	<0.25	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	4.0 U	2.0 U	2.0 U	2.0 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Dichloroethane, 1,2-	<0.25	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	4.0 U	2.0 U	2.0 U	2.0 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Dichloroethene, 1,1-	<0.25	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	4.0 U	2.0 U	2.0 U	2.0 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Dichloroethene, cis-1,2-	<0.25	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	4.0 U	2.0 U	2.0 U	2.0 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Dichloropropane, 1,2-	<0.25	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	4.6 U	2.3 U	2.3 U	2.3 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Dichloropropene, cis-1,3	<0.25	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	4.5 U	2.3 U	2.3 U	2.3 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Dichloropropene, trans-1,3	<0.25	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	4.5 U	2.3 U	2.3 U	2.3 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Dioxane, 1,4-	NE	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	3.6 U	1.8 U	1.8 U	1.8 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 UJ
Dodecane, n-	7.6	**3.5**	1.4 U	1.4 U	**0.84 J**	**0.84 J**	7.0 U	**3.0 J**	3.5 U	3.5 U	2.8 U	2.8 U	2.8 U	**0.97 J**	2.8 U
Ethanol	220	**1.1 J**	**1.1 J**	**0.58 J**	**0.79 J**	1.9 U	9.4 UJ	4.7 U	**1.9 J**	4.7 U	**2.0 J**	3.8 U	3.8 U	3.8 U	**1.7 J**
Ethylthiophene, 2-	NE	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	4.6 U	2.3 U	2.3 U	2.3 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Ethyltoluene, p-	NE	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	4.9 U	2.5 U	2.5 U	2.5 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Heptane, n-	5.1	0.82 U	**1.6**	0.82 U	0.82 U	0.82 U	4.1 U	2.0 U	2.0 U	2.0 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Hexachlorobutadiene	7	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	11 U	5.3 U	5.3 U	5.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	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	OU2SG-11 10/14/2009	OU2SG-11 10/19/2009	OU2SG-11 10/30/2009	OU2SG-11 11/11/2009	OU2SG-11 11/17/2009	OU2SG-11 11/18/2009	OU2SG-11 12/28/2009
Hexane, n-	3.6	**0.58 J**	**1.7**	**1.0**	0.70 U	0.70 U	3.5 U	1.8 U	1.8 U	1.8 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Hexanone, 2-	NE	0.82 U	0.82 UJ	0.82 U	0.82 U	0.82 U	4.1 U	2.0 U	2.0 U	2.0 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	4.8 U	2.4 U	2.4 U	2.4 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Indene	NE	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	4.8 U	2.4 U	2.4 U	2.4 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Isopropyl benzene	0.4	NA	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 U	0.72 U	3.6 U	1.8 U	1.8 U	1.8 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Methyl-2-pentanone, 4-	2.9	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	4.1 UJ	2.0 U	2.0 U	2.0 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Methylene chloride	2.9	1.7 UJ	1.7 U	**0.87 J**	1.7 U	**0.83 J**	8.7 U	4.3 U	4.3 U	4.3 U	3.5 U	**1.4 J**	**1.3 J**	3.5 U	3.5 U
Methylnaphthalene, 1-	NE	1.2 UJ	1.2 U	1.2 UJ	1.2 U	1.2 UJ	5.8 UJ	2.9 U	2.9 U	2.9 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U
Methylnaphthalene, 2-	NE	1.2 UJ	1.2 U	1.2 U	1.2 U	1.2 UJ	5.8 UJ	2.9 U	2.9 U	2.9 U	2.3 UJ	2.3 UJ	2.3 UJ	2.3 UJ	2.3 U
Methylthiophene, 2-	NE	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	4.0 U	2.0 U	2.0 U	2.0 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Methylthiophene, 3-	NE	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	4.0 U	2.0 U	2.0 U	2.0 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Naphthalene	10	1.0 U	**0.42 J**	**0.26 J**	1.0 U	1.0 U	5.2 U	2.6 U	2.6 U	2.6 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Nonane	1.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.2 U	2.6 U	2.6 U	2.6 U	2.1 U	2.1 U	2.1 U	**1.3 J**	2.1 U
Octane, n-	2.1	0.93 U	**1.7**	0.93 U	0.93 U	0.93 U	4.7 U	2.3 U	2.3 U	2.3 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Pentane	NE	0.59 U	**2.2**	**0.53 J**	**0.47 J**	**0.38 J**	3.0 U	**0.59 J**	1.5 U	1.5 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Propanol, 2-	NE	1.2 U	1.2 U	1.2 U	2.8 U	1.2 U	6.1 U	3.0 U	3.0 U	3.0 U	**0.93 J**	2.5 U	2.5 U	2.5 U	2.5 U
Propylbenzene, n-	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.6	0.85 U	0.85 U	**0.34 J**	0.85 U	0.85 U	4.3 U	2.1 U	2.1 U	2.1 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
t-Butyl alcohol	NE	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	3.0 U	1.5 U	1.5 U	1.5 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Tetrachloroethane, 1,1,2,2-	<0.25	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	6.9 U	3.4 U	3.4 U	3.4 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
Tetrachloroethene	1.6	**0.81 J**	**0.75 J**	**0.95 J**	**0.54 J**	**0.61 J**	6.8 U	3.4 U	3.4 U	3.4 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	**0.48 J**	**0.93 J**	**0.88 J**	**0.49 J**	**1.5 J**	5.5 UJ	2.7 UJ	2.7 U	2.7 U	2.2 UJ	2.2 UJ	2.2 UJ	2.2 UJ	2.2 U
Thiophene	NE	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	3.4 U	1.7 U	1.7 U	1.7 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Trans-1,2-dichloroethene	NE	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	4.0 U	2.0 U	2.0 U	2.0 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	**0.41 J**	**0.46 J**	**0.46 J**	1.5 U	**0.46 J**	7.7 U	3.8 U	3.8 U	3.8 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Trichlorobenzene, 1,2,4-	4.8	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	7.4 U	3.7 U	3.7 U	3.7 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Trichloroethane, 1,1,1-	0.7	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	5.4 U	2.7 U	2.7 U	2.7 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
Trichloroethane, 1,1,2-	<0.25	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	5.4 U	2.7 U	2.7 U	2.7 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
Trichloroethene	0.5	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	5.4 U	2.7 U	2.7 U	2.7 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
Trichlorofluoromethane	6.1	**1.2**	**1.1 J**	**1.1 J**	**1.0 J**	**1.2 J**	5.6 U	**1.1 J**	**1.1 J**	**1.1 J**	**1.2 J**	**1.2 J**	**1.2 J**	**1.2 J**	**1.4 J**
Trimethylbenzene, 1,2,3-	0.6	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	4.9 U	2.5 U	2.5 U	2.5 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Trimethylbenzene, 1,2,4-	2.5	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	4.9 U	2.5 U	2.5 U	2.5 U	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 U
Trimethylbenzene, 1,3,5-	1	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	4.9 U	2.5 U	2.5 U	2.5 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Trimethylpentane, 2,2,4-	2	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	4.7 U	2.3 U	2.3 U	2.3 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Undecane, n-	2.3	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	6.4 U	3.2 U	3.2 U	3.2 U	2.6 U	2.6 U	2.6 U	**1.8 J**	2.6 U
Vinyl bromide	NE	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	4.4 U	2.2 U	2.2 U	2.2 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Vinyl chloride	<0.25	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	2.6 U	1.3 U	1.3 U	1.3 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Other (%)															
Carbon Dioxide	NE	**10.3**	**9.11**	**12.4**	**6.6**	**5.93**	**4.86**	**3.69**	**3.7**	**2.67**	**5.72**	**5.05**	**3.47**	**3.08**	**3.94**
Helium	NE	0.0235 U	**0.05**	**0.166**	0.0181 U	0.0224 U	0.0178 U	0.0173 U	0.00369 U	0.00304 U	0.00346 U	0.0186 U	0.017 U	0.0171 U	0.0152 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-11 1/14/2010	OU2SG-11 1/18/2010	OU2SG-11 1/20/2010	OU2SG-11 2/18/2010	OU2SG-11 2/23/2010	OU2SG-11 3/20/2010	OU2SG-11 4/8/2010	OU2SG-11 4/19/2010	OU2SG-11 4/29/2010	OU2SG-11 6/29/2010	OU2SG-11 9/22/2010	OU2SG-12 2/21/2007	OU2SG-12 9/18/2007	OU2SG-12 12/19/2007
BTEX (ug/m^3)															
Benzene	5.8	0.64 U	1.3 U	1.3 U	1.3 U	**0.38 J**	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.5 U	1.5 U	**0.22 J**
Toluene	21	**8.1**	**8.1**	**7.3**	**12**	**14**	**22**	**13**	**2.3**	**4.7**	**3.9**	**1.6**	**2.5**	**100**	**70**
Ethylbenzene	1.9	**0.30 J**	1.7 U	1.7 U	**0.52 J**	**0.61 J**	**1.7**	**1.3 J**	1.7 U	1.7 U	**0.71 J**	1.7 U	**1.2 J**	**0.61 J**	**1.8**
Xylene, m,p-	3.1	**0.87 J**	**1.0 J**	**0.95 J**	**1.5 J**	**1.7 J**	**3.0 J**	**2.4 J**	3.5 U	**1.1 J**	**2.0 J**	3.5 U	**3.7 J**	**16**	**7.1**
Xylene, o-	2.5	**0.35 J**	1.7 U	1.7 U	**0.52 J**	**0.69 J**	**1.9**	**1.5 J**	1.7 U	**0.52 J**	**1.0 J**	1.7 U	**1.5 J**	**6.4**	**3.7**
Other VOCs (ug/m^3)															
Acetaldehyde	NE	**1.9 J**	9.0 U	9.0 U	9.0 U	9.0 U	**13**	**5.6 J**	**5.9 J**	9.0 U	**17 J**	9.0 U	0.84 UJ	**45**	3.3 U
Acetone	58	**0.93 J**	4.8 U	4.8 U	3.6 U	4.8 U	**5.6 J**	**4.4 J**	**1.8 J**	**2.3 J**	**7.9**	**6.7 JB**	**9.6**	**7.2**	1.0 U
Acrolein (propenal)	NE	1.2 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	1.1 U	1.1 U	0.46 U
Allyl chloride	NE	0.63 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	1.5 U	1.5 U	0.63 UJ
Benzothiophene	NE	1.1 UJ	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	5.5 U	13 UJ	32 U	1.1 UJ
Bromodichloromethane	NE	1.3 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	3.1 U	3.2 U	1.3 U
Bromoform	NE	2.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.8 U	4.8 U	2.1 U
Bromomethane	0.9	0.78 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.8 U	1.8 U	0.78 U
Butadiene, 1,3-	NE	0.44 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	1.0 U	1.0 U	0.44 U
Butane	NE	**0.14 J**	0.95 U	0.95 U	0.95 U	0.95 U	**0.62 J**	0.95 U	0.95 U	**0.48 J**	**0.86 J**	0.95 U	1.1 U	**0.28 J**	0.48 U
Butanone, 2-	17	**0.41 J**	1.2 U	1.2 U	1.2 U	1.2 U	**1.0 J**	**1.0 J**	1.2 U	1.2 U	**0.86 J**	1.2 U	**1.4 J**	**2.2**	**0.24 J**
Carbon disulfide	NE	**0.22 J**	**0.44 J**	**0.37 J**	**1.2 J**	**2.1**	**7.4**	**21**	**16**	**11**	**3.6**	**1.0 J**	1.4 U	**9.9**	**1.0**
Carbon tetrachloride	1	1.3 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.9 U	3.0 U	1.3 U
Chlorobenzene	<0.25	0.92 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	2.1 U	2.2 U	0.92 U
Chloroethane	0.4	0.53 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	1.2 U	1.2 U	0.53 U
Chloroform	0.5	0.98 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**0.73 J**	**0.68 J**	2.3 U	2.3 U	**0.34 J**
Chloromethane	4.6	**0.12 J**	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	**0.54 J**	0.83 U	0.96 U	**0.34 J**	0.41 U
Chlorotoluene, 2-	NE	1.0 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	2.1 U	2.4 U	2.4 U	1.0 U
Cryofluorane	1.3	1.4 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	3.2 U	3.3 U	1.4 U
Cyclohexane	3	**2.8**	**3.0**	**2.1**	**2.5**	**2.7**	**5.1**	**7.9**	**8.4 J**	**5.0**	**12**	**11**	1.6 U	**32**	**2.5**
Decane, n-	3.6	**0.41 J**	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	**1.6 J**	2.3 U	**1.5 J**	2.3 U	**2.2 J**	**20**	1.2 U
Dibromochloromethane	NE	1.7 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	4.0 U	4.0 U	1.7 U
Dibromoethane, 1,2-	<0.25	1.5 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.6 U	3.6 U	1.5 U
Dichlorobenzene, 1,2-	0.9	1.2 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.8 U	2.8 U	1.2 U
Dichlorobenzene, 1,3-	0.7	1.2 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.8 U	2.8 U	1.2 U
Dichlorobenzene, 1,4-	0.8	1.2 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	**0.60 J**	2.4 U	2.4 U	**1.1 J**	**0.84 J**	2.8 UJ	**1.1 J**	**0.72 J**
Dichlorodifluoromethane	11	**2.3**	**2.5**	**2.2**	**2.5**	**3.0**	**2.7**	**2.7**	**2.7**	**2.9**	**2.6**	**3.0**	**2.6**	**2.7**	**3.2**
Dichloroethane, 1,1-	<0.25	0.81 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 UJ	1.6 U	1.9 U	1.9 U	0.81 U
Dichloroethane, 1,2-	<0.25	0.81 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.9 U	1.9 U	0.81 U
Dichloroethene, 1,1-	<0.25	0.79 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.8 U	1.9 U	0.79 U
Dichloroethene, cis-1,2-	<0.25	0.79 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.8 U	1.9 U	0.79 U
Dichloropropane, 1,2-	<0.25	0.92 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	2.2 U	2.2 U	0.92 U
Dichloropropene, cis-1,3	<0.25	0.91 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	2.1 U	2.1 U	0.91 U
Dichloropropene, trans-1,3	<0.25	0.91 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	2.1 U	2.1 U	0.91 U
Dioxane, 1,4-	NE	0.72 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	4.2 U	1.7 UJ	1.8 U
Dodecane, n-	7.6	1.4 UJ	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	**0.97 J**	**10 J**	**0.97 J**	**2.8**	**5.0**	**3.1 J**	**2.4 J**	**1.0 J**
Ethanol	220	**0.66 J**	3.8 U	**0.98 J**	3.8 U	3.8 U	**1.5 J**	**1.4 J**	**1.2 J**	**2.1 J**	**9.7**	**1.6 J**	**14**	**16**	**0.73 J**
Ethylthiophene, 2-	NE	0.92 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	2.1 U	2.2 U	0.92 U
Ethyltoluene, p-	NE	0.98 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.3 U	2.3 U	0.98 U
Heptane, n-	5.1	0.82 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.9 U	**0.96 J**	0.82 UJ
Hexachlorobutadiene	7	2.1 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	5.0 UJ	5.0 U	2.1 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-11 1/14/2010	OU2SG-11 1/18/2010	OU2SG-11 1/20/2010	OU2SG-11 2/18/2010	OU2SG-11 2/23/2010	OU2SG-11 3/20/2010	OU2SG-11 4/8/2010	OU2SG-11 4/19/2010	OU2SG-11 4/29/2010	OU2SG-11 6/29/2010	OU2SG-11 9/22/2010	OU2SG-12 2/21/2007	OU2SG-12 9/18/2007	OU2SG-12 12/19/2007
Hexane, n-	3.6	0.70 U	1.4 U	1.4 U	1.4 U	1.4 U	**0.42 J**	1.4 U	1.4 UJ	1.4 U	**1.1 J**	1.4 U	**0.98 J**	**25**	**1.2**
Hexanone, 2-	NE	0.82 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 UJ	1.6 U	1.6 U	4.8 U	1.9 U	0.82 U
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	0.97 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	**0.90 J**	2.3 U	**0.24 J**
Indene	NE	0.95 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 UJ	1.9 U	2.2 U	2.2 U	0.95 U
Isopropyl benzene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	5.9	0.72 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 UJ	1.4 U	1.7 U	1.7 U	0.72 U
Methyl-2-pentanone, 4-	2.9	0.82 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 UJ	1.6 UJ	1.6 U	1.6 U	1.9 U	1.9 U	0.82 U
Methylene chloride	2.9	**0.62 J**	3.5 U	**1.0 J**	3.5 U	3.5 U	3.5 U	**1.1 J**	**0.90 J**	3.5 U	**1.8 J**	6.9 U	**30**	**23**	0.69 U
Methylnaphthalene, 1-	NE	1.2 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	5.8 UJ	5.8 U	5.8 U	5.8 U	5.8 U	34 U	14 U	14 UJ
Methylnaphthalene, 2-	NE	1.2 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	5.8 UJ	5.8 UJ	5.8 UJ	5.8 U	5.8 U	34 U	34 U	14 UJ
Methylthiophene, 2-	NE	0.80 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.9 U	1.9 U	0.80 U
Methylthiophene, 3-	NE	0.80 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.9 U	1.9 U	0.80 U
Naphthalene	10	1.0 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	**0.62 J**	2.1 U	**1.1 J**	**2.0 J**	**0.94 J**
Nonane	1.2	**0.63 J**	2.1 U	**0.94 J**	**2.0 J**	**2.1**	**2.2**	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	**0.73 J**	2.5 U	1.0 U
Octane, n-	2.1	**0.51 J**	1.9 U	**0.47 J**	**1.3 J**	**1.2 J**	**0.75 J**	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	2.2 U	2.2 U	0.93 U
Pentane	NE	0.59 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	**1.1 J**	1.2 U	1.4 U	1.4 U	0.59 U
Propanol, 2-	NE	1.2 U	2.5 U	2.5 U	2.5 U	2.5 U	**7.1**	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	**0.86 J**	**0.81 J**	0.49 U
Propylbenzene, n-	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.6	0.85 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	**0.68 J**	1.7 U	1.7 U	1.7 U	1.7 U	2.0 U	2.0 U	0.85 U
t-Butyl alcohol	NE	**0.18 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	1.4 U	1.4 U	0.61 U
Tetrachloroethane, 1,1,2,2-	<0.25	1.4 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	3.2 U	3.2 U	1.4 U
Tetrachloroethene	1.6	1.4 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	**1.4 J**	**0.81 J**	2.7 U	**1.2 J**	**0.81 J**	3.2 U	**2.6 J**	**0.41 J**
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	1.1 U	2.2 U	2.2 U	2.2 U	2.2 U	**0.55 J**	**1.2 J**	**0.77 J**	2.2 U	2.2 U	2.2 U	2.6 U	**5.8 J**	**3.5**
Thiophene	NE	0.69 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	1.6 U	1.6 UJ	0.69 U
Trans-1,2-dichloroethene	NE	0.79 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 UJ	1.6 U	1.8 U	1.9 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	1.5 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.6 U	3.6 U	1.5 U
Trichlorobenzene, 1,2,4-	4.8	1.5 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.5 UJ	3.5 U	1.5 U
Trichloroethane, 1,1,1-	0.7	1.1 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.5 U	2.6 U	1.1 U
Trichloroethane, 1,1,2-	<0.25	1.1 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.5 U	2.6 U	1.1 U
Trichloroethene	0.5	1.1 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.5 U	2.5 U	1.1 U
Trichlorofluoromethane	6.1	**1.1 J**	**1.1 J**	**0.90 J**	**1.0 J**	**1.5 J**	**1.5 J**	**1.5 J**	**1.5 J**	**1.5 J**	**1.3 J**	**1.2 J**	**1.6 J**	**1.4 J**	**1.5**
Trimethylbenzene, 1,2,3-	0.6	0.98 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**2.1 J**	**2.1 J**	**0.69 J**
Trimethylbenzene, 1,2,4-	2.5	0.98 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**0.59 J**	2.0 U	2.0 U	**3.0**	**0.92 J**	0.98 U
Trimethylbenzene, 1,3,5-	1	0.98 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**0.80 J**	**1.5 J**	**0.29 J**
Trimethylpentane, 2,2,4-	2	0.93 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	2.2 U	2.2 U	0.93 U
Undecane, n-	2.3	**1.1 J**	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	**5.8 J**	2.6 U	2.6 U	2.6 U	**1.6 J**	3.0 U	1.3 U
Vinyl bromide	NE	0.87 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	2.0 U	2.0 U	0.87 U
Vinyl chloride	<0.25	0.51 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	1.2 U	1.2 U	0.51 U
Other (%)															
Carbon Dioxide	NE	**4.81**	**4.02**	**4.8**	**5.03**	**4.25**	**3.98**	**6.83**	**5.48**	**6.29**	NA	NA	NA	NA	NA
Helium	NE	0.0174 U	0.0158 U	0.0159 U	0.0152 U	0.0177 U	0.0173 U	**0.097**	0.0176 U	0.0184 U	**0.048**	0.0182 U	NA	NA	NA

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-12 3/27/2008	OU2SG-12 6/19/2008	OU2SG-12 12/30/2008	Duplicate of OU2SG-12 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
BTEX (ug/m^3)															
Benzene	5.8	**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
Toluene	21	**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**
Ethylbenzene	1.9	**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
Xylene, m,p-	3.1	**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**
Xylene, o-	2.5	**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
Other VOCs (ug/m^3)															
Acetaldehyde	NE	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**
Acetone	58	3.0 U	**3.7**	2.5 U	2.8 U	2.8 U	1.8 U	2 U	**17**	3.4 U	2.6 U	2.8 U	4.7 U	3.5 U	**9.8**
Acrolein (propenal)	NE	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
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	0.63 U
Benzothiophene	NE	1.1 U	1.1 UJ	1.1 UJ	1.1 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
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	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	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	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	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Butane	NE	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
Butanone, 2-	17	**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**
Carbon disulfide	NE	**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
Carbon tetrachloride	1	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	<0.25	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	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	0.53 U
Chloroform	0.5	**0.25 J**	**1.4**	**14**	**14**	**12**	**14**	**13**	**7.7**	**11**	**12**	**12**	**14**	**12**	**11**
Chloromethane	4.6	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
Chlorotoluene, 2-	NE	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
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	1.4 U
Cyclohexane	3	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-	3.6	**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
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	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	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	1.2 U
Dichlorobenzene, 1,3-	0.7	**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
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	1.2 U
Dichlorodifluoromethane	11	**2.0**	**2.5**	**12**	**10**	**14**	**13**	**13**	**10**	**12**	**13**	**14**	**13**	**13**	**12**
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	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	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	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	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	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	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	0.91 U
Dioxane, 1,4-	NE	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-	7.6	**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
Ethanol	220	**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**
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	0.92 U
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	0.98 U
Heptane, n-	5.1	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
Hexachlorobutadiene	7	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

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-12 3/27/2008	OU2SG-12 6/19/2008	OU2SG-12 12/30/2008	Duplicate of OU2SG-12 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
Hexane, n-	3.6	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
Hexanone, 2-	NE	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
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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	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	0.95 U
Isopropyl benzene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	5.9	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
Methyl-2-pentanone, 4-	2.9	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
Methylene chloride	2.9	**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
Methylnaphthalene, 1-	NE	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
Methylnaphthalene, 2-	NE	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
Methylthiophene, 2-	NE	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
Methylthiophene, 3-	NE	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
Naphthalene	10	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
Nonane	1.2	**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
Octane, n-	2.1	**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
Pentane	NE	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
Propanol, 2-	NE	**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
Propylbenzene, n-	0.5	NA	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	0.85 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	0.61 U	0.61 U	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	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	**0.52 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
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	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
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	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	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	**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
Trichlorobenzene, 1,2,4-	4.8	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
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	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	1.1 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	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichlorofluoromethane	6.1	**1.2**	**1.4**	**81**	**63**	**100**	**100**	**100**	**71**	**93**	**100**	**110**	**110**	**110**	**100**
Trimethylbenzene, 1,2,3-	0.6	**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
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	**0.49 J**	**0.39 J**	0.98 U	0.98 U	0.98 U	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	**0.25 J**	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	0.93 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-	2.3	**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
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	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	0.51 U
Other (%)															
Carbon Dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NE	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**

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	Duplicate of OU2SG-12 1/26/2009	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
BTEX (ug/m^3)															
Benzene	5.8	0.64 U	**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
Toluene	21	**0.33 J**	**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
Ethylbenzene	1.9	0.87 U	**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
Xylene, m,p-	3.1	**0.39 J**	**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
Xylene, o-	2.5	0.87 U	**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
Other VOCs (ug/m^3)															
Acetaldehyde	NE	**5.1 J**	**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
Acetone	58	**9.4**	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
Acrolein (propenal)	NE	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	**0.39 J**	**1.8**	**2.0**	5.7 U	2.9 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	3.1 U	1.6 U
Benzothiophene	NE	1.1 UJ	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
Bromodichloromethane	NE	1.3 U	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**
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	10 U	5.2 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	3.9 U	1.9 U
Butadiene, 1,3-	NE	0.44 U	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
Butane	NE	**0.32 J**	**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**
Butanone, 2-	17	**1.1**	**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
Carbon disulfide	NE	0.62 U	**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
Carbon tetrachloride	1	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	6.3 U	3.1 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	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	4.6 U	2.3 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	2.6 U	1.3 U
Chloroform	0.5	**11**	**12**	**12**	**16**	**25**	**21**	**31**	**40**	**49**	**29**	**39**	**41**	**37**	**26**
Chloromethane	4.6	0.41 U	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
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	5.2 U	2.6 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	7.0 U	3.5 U
Cyclohexane	3	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	**0.34 J**	**0.18 J**	0.69 U	0.69 U	3.4 U	1.7 U
Decane, n-	3.6	1.2 U	**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
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	8.5 U	4.3 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	7.7 U	3.8 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	6.0 U	3.0 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**	**1.4**	6.0 U	3.0 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	**0.96 J**	**1.5**	6.0 U	3.0 U
Dichlorodifluoromethane	11	**12**	**13**	**8.5**	**12**	**12**	**10**	**6.6**	**7.0**	**4.0**	**2.6**	**4.8**	**4.8**	**4.2 J**	**3.8**
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	4.0 U	2.0 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 UJ	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	4.0 U	2.0 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	4.0 U	2.0 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	4.0 U	2.0 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	4.6 U	2.3 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	4.5 U	2.3 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	4.5 U	2.3 U
Dioxane, 1,4-	NE	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	1.7 U	0.72 UJ	0.72 U	0.72 U	3.6 U	1.8 U
Dodecane, n-	7.6	1.4 U	**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
Ethanol	220	**17**	**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**
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	4.6 U	2.3 U
Ethyltoluene, p-	NE	0.98 U	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
Heptane, n-	5.1	0.82 U	**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
Hexachlorobutadiene	7	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	11 U	5.3 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	Duplicate of OU2SG-12 1/26/2009	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
Hexane, n-	3.6	0.70 U	**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**
Hexanone, 2-	NE	0.82 U	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
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	0.97 U	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**
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	4.8 U	2.4 U
Isopropyl benzene	0.4	NA	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 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
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	**1.4**	0.82 U	**0.82**	0.82 U	4.1 UJ	2.0 U
Methylene chloride	2.9	0.70 U	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
Methylnaphthalene, 1-	NE	5.8 UJ	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
Methylnaphthalene, 2-	NE	5.8 U	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
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	0.80 U	4.0 U	2.0 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	4.0 U	2.0 U
Naphthalene	10	1.0 U	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
Nonane	1.2	1.0 U	**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
Octane, n-	2.1	0.93 U	**1.4**	0.93 U	**0.62 J**	**0.56 J**	**0.42 J**	**4.9**	**0.80 J**	**31**	**1.2**	**55**	**61**	**3.5 J**	2.3 U
Pentane	NE	0.59 U	**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**
Propanol, 2-	NE	1.2 UJ	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
Propylbenzene, n-	0.5	NA	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	**1.2**	**0.32 J**	**1.4**	0.85 U	**3.4**	**3.9**	**1.5 J**	2.1 U
t-Butyl alcohol	NE	0.61 U	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
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	6.9 U	3.4 U
Tetrachloroethene	1.6	1.4 U	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**
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	1.1 U	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**
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	0.69 U	0.69 U	0.69 U	0.69 U	3.4 U	1.7 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	4.0 U	2.0 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	1.5 U	**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**
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	7.4 U	3.7 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	**0.44 J**	**0.64 J**	**1.2**	**1.4**	**2.7**	**3.0**	**3.0 J**	**2.3 J**
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	5.4 U	2.7 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	1.1 U	1.1 U	1.1 U	1.1 U	5.4 U	2.7 U
Trichlorofluoromethane	6.1	**97**	**120**	**89**	**130**	**160**	**130**	**140**	**190**	**330**	**370**	**850**	**780**	**800**	**620**
Trimethylbenzene, 1,2,3-	0.6	0.98 U	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**
Trimethylbenzene, 1,2,4-	2.5	0.98 U	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
Trimethylbenzene, 1,3,5-	1	0.98 U	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
Trimethylpentane, 2,2,4-	2	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	**2.2**	**2.2**	4.7 U	2.3 U
Undecane, n-	2.3	1.3 U	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
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	4.4 U	2.2 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	2.6 U	1.3 U
Other (%)															
Carbon Dioxide	NE	NA	NA	NA	NA	NA	NA	NA	**2.89**	**3.93**	**4.41**	**8.56**	**7.98**	**10.3**	**8.67**
Helium	NE	**0.0165**	**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

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	Duplicate of OU2SG-12 9/23/2009	OU2SG-12 10/19/2009	OU2SG-12 11/18/2009	Duplicate of: OU2SG-12 11/18/2009	OU2SG-12 12/28/2009	OU2SG-12 1/20/2010	OU2SG-12 2/18/2010	OU2SG-12 3/18/2010	OU2SG-12 4/8/2010	Duplicate of: OU2SG-12 4/8/2010	OU2SG-12 6/7/2010	OU2SG-12 9/22/2010	OU2SG-13 3/30/2007	OU2SG-13 5/24/2007
BTEX (ug/m^3)															
Benzene	5.8	1.6 U	1.6 U	1.3 U	1.3 U	**0.38 J**	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	**0.70 J**	1.3 U
Toluene	21	1.9 U	**0.75 J**	1.5 U	**3.5**	**0.38 J**	**0.68 J**	1.5 U	1.5 U	1.5 U	**0.45 J**	1.5 U	**0.53 J**	**560**	**23**
Ethylbenzene	1.9	2.2 U	2.2 U	1.7 U	**0.43 J**	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	**5.6**	1.8 U
Xylene, m,p-	3.1	4.3 U	4.3 U	3.5 U	**1.6 J**	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	**16**	**0.99 J**
Xylene, o-	2.5	2.2 U	2.2 U	1.7 U	**0.69 J**	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	**6.0**	1.8 U
Other VOCs (ug/m^3)															
Acetaldehyde	NE	6.0 U	4.5 U	9.0 U	9.0 U	9.0 U	9.0 U	**3.8 J**	**11 J**	**6.1 J**	**7.2 J**	**6.0 J**	**30**	**27 J**	**93 J**
Acetone	58	3.5 U	4.5 U	**1.4 J**	**1.2 J**	**1.7 J**	4.8 U	**1.0 J**	**3.5 J**	**1.8 J**	**2.8 J**	**1.4 J**	**10 J**	**13 J**	**34 J**
Acrolein (propenal)	NE	2.9 U	2.9 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	**0.69 J**	**0.65 J**	2.3 U
Allyl chloride	NE	1.6 U	1.6 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	1.2 U	1.2 U	1.2 U	1.3 U
Benzothiophene	NE	2.7 U	2.7 U	2.2 UJ	2.2 UJ	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	5.5 U	5.5 U	2.2 U	5.5 U
Bromodichloromethane	NE	**1.3 J**	3.4 U	**0.80 J**	**0.67 J**	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	**2.2 J**	**1.3 J**	2.6 U	2.7 U
Bromoform	NE	5.2 U	5.2 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.2 U
Bromomethane	0.9	1.9 U	1.9 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U
Butadiene, 1,3-	NE	1.1 U	1.1 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.89 U
Butane	NE	**1.0 J**	1.2 U	0.95 U	0.95 U	**0.57 J**	0.95 U	0.95 U	**1.4**	**1.8**	**1.3**	0.95 U	0.95 U	**2.6**	**1.1**
Butanone, 2-	17	1.5 U	1.5 U	1.2 U	1.2 U	**0.29 J**	1.2 U	1.2 U	**0.77 J**	1.2 U	1.2 U	1.2 U	**2.1**	**2.7**	**5**
Carbon disulfide	NE	1.6 U	1.6 U	**0.37 J**	1.2 U	**0.37 J**	1.2 U	**1.1 J**	1.2 U	1.2 U	1.2 U	1.2 U	**0.68 J**	**3.2**	**6.3 J**
Carbon tetrachloride	1	3.1 U	3.1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ
Chlorobenzene	<0.25	2.3 U	2.3 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.9 U
Chloroethane	0.4	1.3 U	1.3 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	1.1 U
Chloroform	0.5	**33**	**16**	**18**	**17**	**12**	**8.0**	**18**	**12**	**14**	**14**	**48**	**12**	1.9 U	2 U
Chloromethane	4.6	1.0 U	1.0 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	**0.21 J**	**0.33 J**	0.83 U	0.83 U	2.0 U	**1.4**
Chlorotoluene, 2-	NE	2.6 U	2.6 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	2.0 U	2.1 U
Cryofluorane	1.3	3.5 U	3.5 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U
Cyclohexane	3	1.7 U	1.7 U	1.4 U	1.4 U	1.4 UJ	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	**42**	**17**
Decane, n-	3.6	2.9 U	2.9 U	2.3 U	**1.3 J**	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	**3.1**	**3.3**
Dibromochloromethane	NE	4.3 U	4.3 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U
Dibromoethane, 1,2-	<0.25	3.8 U	3.8 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.0 U	3.1 U
Dichlorobenzene, 1,2-	0.9	3.0 U	3.0 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U
Dichlorobenzene, 1,3-	0.7	3.0 U	3.0 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U
Dichlorobenzene, 1,4-	0.8	3.0 U	3.0 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U
Dichlorodifluoromethane	11	**3.6**	**2.7**	**2.7**	**2.5**	**2.8**	**1.6 J**	**1.6 J**	**1.6 J**	**2.0**	**2.2**	**2.3**	**2.5**	2.0 UJ	**2.7**
Dichloroethane, 1,1-	<0.25	2.0 U	2.0 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 UJ	1.6 U	1.6 U	1.6 U
Dichloroethane, 1,2-	<0.25	2.0 U	2.0 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 UJ	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Dichloroethene, 1,1-	<0.25	2.0 U	2.0 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Dichloroethene, cis-1,2-	<0.25	2.0 U	2.0 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Dichloropropane, 1,2-	<0.25	2.3 U	2.3 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.9 U
Dichloropropene, cis-1,3	<0.25	2.3 U	2.3 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Dichloropropene, trans-1,3	<0.25	2.3 U	2.3 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Dioxane, 1,4-	NE	1.8 U	1.8 U	1.4 U	1.4 U	1.4 UJ	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	3.6 U	1.4 U
Dodecane, n-	7.6	3.5 U	3.5 U	2.8 U	**0.70 J**	**2.9**	2.8 U	**2.5 J**	**0.84 J**	2.8 U	2.8 U	**0.84 J**	2.8 U	2.8 UJ	**9.2**
Ethanol	220	**3.6 J**	**5.3**	**2.1 J**	**1.4 J**	**0.98 J**	3.8 U	3.8 U	**2.6 J**	**3.3 J**	**2.6 J**	**4.2 J**	**5.1**	**20 J**	**3.5 J**
Ethylthiophene, 2-	NE	2.3 U	2.3 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Ethyltoluene, p-	NE	2.5 U	2.5 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2 U
Heptane, n-	5.1	2.0 U	2.0 U	1.6 U	**0.74 J**	1.6 U	1.6 U	1.6 U	1.6 U	**0.57 J**	1.6 U	1.6 U	1.6 U	**5.1**	1.6 U
Hexachlorobutadiene	7	5.3 U	5.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.2 UJ	4.3 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	Duplicate of OU2SG-12 9/23/2009	OU2SG-12 10/19/2009	OU2SG-12 11/18/2009	Duplicate of: OU2SG-12 11/18/2009	OU2SG-12 12/28/2009	OU2SG-12 1/20/2010	OU2SG-12 2/18/2010	OU2SG-12 3/18/2010	OU2SG-12 4/8/2010	Duplicate of: OU2SG-12 4/8/2010	OU2SG-12 6/7/2010	OU2SG-12 9/22/2010	OU2SG-13 3/30/2007	OU2SG-13 5/24/2007
Hexane, n-	3.6	1.8 U	**0.53 J**	1.4 U	1.4 U	**0.49 J**	1.4 U	1.4 U	**0.56 J**	**0.77 J**	1.4 U	1.4 U	1.4 U	**130**	**28**
Hexanone, 2-	NE	2.0 U	2.0 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	**0.72 J**	2.4 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	2 U
Indene	NE	2.4 U	2.4 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Isopropyl benzene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	5.9	1.8 U	1.8 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	1.4 U	1.5 U
Methyl-2-pentanone, 4-	2.9	2.0 U	2.0 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Methylene chloride	2.9	4.3 U	4.3 U	3.5 U	3.5 U	3.4 U	3.5 U	3.5 U	3.5 U	3.5 U	**1.2 J**	**1.8 J**	**5.5 J**	**5.5 J**	**31**
Methylnaphthalene, 1-	NE	2.9 U	2.9 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	5.8 UJ	5.8 UJ	5.8 U	5.8 U	2.3 U	29 U
Methylnaphthalene, 2-	NE	2.9 U	2.9 U	2.3 UJ	2.3 UJ	2.3 U	2.3 U	2.3 U	2.3 U	5.8 UJ	5.8 UJ	5.8 U	5.8 U	2.3 U	12 U
Methylthiophene, 2-	NE	2.0 U	2.0 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Methylthiophene, 3-	NE	2.0 U	2.0 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Naphthalene	10	2.6 U	2.6 U	2.1 U	2.1 U	2.1 U	**0.63 J**	2.1 U	2.1 U	2.0 U	2.1 U	2.1 U	2.1 U	2.1 UJ	2.1 U
Nonane	1.2	2.6 U	2.6 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	**3.5**	2.1 U
Octane, n-	2.1	2.3 U	2.3 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	**1.7 J**	1.9 U
Pentane	NE	**1.4 J**	1.5 U	**0.65 J**	**0.59 J**	**1.1 J**	1.2 U	1.2 U	**1.4**	**1.7 J**	**3.1 J**	1.2 U	1.2 U	**1.6**	1.2 U
Propanol, 2-	NE	3.1 U	3.0 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 UJ	**1.4 J**	2.5 UJ	2.5 UJ	2.5 U	2.5 U	**1.4 J**	**2 J**
Propylbenzene, n-	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.6	2.1 U	2.1 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	1.7 U	1.7 U	1.7 U	1.7 U
t-Butyl alcohol	NE	1.5 U	1.5 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 UJ	1.2 U
Tetrachloroethane, 1,1,2,2-	<0.25	3.4 U	3.4 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.8 U
Tetrachloroethene	1.6	**4.7**	**1.9 J**	**2.0 J**	**2.2 J**	**0.68 J**	2.7 U	2.7 U	**1.1 J**	**2.3 J**	**2.4 J**	**48**	**9.4**	**5.0**	2.7 U
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	**71 J**	**14 J**	**13 J**	**2.3 J**	**0.77 J**	2.2 U	**0.55 J**	**4.8**	**1.4 J**	2.2 U	2.2 U	2.2 U	27 U	11 U
Thiophene	NE	1.7 U	1.7 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	1.4 U	1.4 U
Trans-1,2-dichloroethene	NE	2.0 U	2.0 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	**2.7 J**	**1.9 J**	**1.7 J**	**1.7 J**	**1.5 J**	**0.92 J**	**0.92 J**	**1.7 J**	**1.8 J**	**2.0 J**	**2.7 J**	**3.5**	3.0 U	3.1 U
Trichlorobenzene, 1,2,4-	4.8	3.7 U	3.7 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	2.9 U	3 U
Trichloroethane, 1,1,1-	0.7	**2.0 J**	**1.5 J**	**1.1 J**	**1.2 J**	**0.98 J**	2.2 U	2.2 U	**0.76 J**	**1.1 J**	**1.4 J**	**2.5**	**2.6**	2.2 U	2.2 UJ
Trichloroethane, 1,1,2-	<0.25	2.7 U	2.7 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
Trichloroethene	0.5	2.7 U	2.7 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.1 U	2.2 U
Trichlorofluoromethane	6.1	**610**	**370**	**300**	**270**	**150**	**130**	**120**	**130**	**190**	**200**	**250**	**200**	**1.3 J**	2.3 U
Trimethylbenzene, 1,2,3-	0.6	**2.1 J**	2.5 U	**0.59 J**	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2 U
Trimethylbenzene, 1,2,4-	2.5	2.5 U	2.5 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**0.49 J**	2.0 UJ	2 U
Trimethylbenzene, 1,3,5-	1	2.5 U	2.5 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**1.6 J**	2 U
Trimethylpentane, 2,2,4-	2	2.3 U	2.3 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.8 UJ	1.9 U
Undecane, n-	2.3	3.2 U	3.2 U	2.6 U	**1.5 J**	**1.8 J**	**2.4 J**	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	**3.7 J**	**1.7 J**
Vinyl bromide	NE	2.2 U	2.2 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.7 U	1.8 U
Vinyl chloride	<0.25	1.3 U	1.3 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 U
Other (%)															
Carbon Dioxide	NE	**8.57**	**7.04**	**5.55**	**5.47**	**3.49**	**2.99**	**2.6**	**2.88**	**3.33**	**3.44**	**7.14**	**8.93**	NA	NA
Helium	NE	0.0171 U	0.00332 U	0.0153 U	0.0159 U	0.0166 U	0.0165 U	0.0154 U	0.0182 U	0.0177 U	0.0179 U	0.0174 U	0.0179 U	NA	NA

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-13 7/25/2007	OU2SG-13 9/20/2007	OU2SG-13 12/19/2007	OU2SG-13 4/3/2008	OU2SG-13 6/24/2008	OU2SG-13 9/16/2008	OU2SG-13 12/23/2008	OU2SG-13 3/12/2009	Duplicate of OU2SG-13 3/12/2009	OU2SG-13 6/8/2009	OU2SG-13 9/21/2009	OU2SG-13 12/18/2009	OU2SG-13 3/25/2010	OU2SG-13 6/8/2010
BTEX (ug/m^3)															
Benzene	5.8	**13**	**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	1.3 U	0.64 U	1.3 U
Toluene	21	**8.2**	**5.2**	**24**	**860**	**3200**	**120**	**24**	**12**	**11**	**31**	**6.6**	**2.2**	**6.7**	**9.0**
Ethylbenzene	1.9	**1.3 J**	**1.7 J**	**2.2**	**43**	**79**	**13**	**0.5 J**	**0.60 J**	**0.56 J**	**1.5**	**0.78 J**	1.7 U	**0.82 J**	**0.64 J**
Xylene, m,p-	3.1	**1.7 J**	**6.5**	**7.6**	**130**	**230**	**42**	**1.8**	**2.5**	**2.4**	**3.0**	**1.3 J**	3.5 U	**1.3 J**	**1.2 J**
Xylene, o-	2.5	**0.89 J**	**4.1**	**2.6**	**31**	**64**	**34**	**0.77 J**	**1.5**	**1.6**	**1.4 J**	**0.52 J**	1.7 U	**0.91**	**0.58 J**
Other VOCs (ug/m^3)															
Acetaldehyde	NE	**400**	**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**	**2.9 J**	**2.0 J**	**9.3**
Acetone	58	**210 J**	**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	4.8 U	**1.6 J**	**4.5 J**
Acrolein (propenal)	NE	**4.2 J**	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	2.3 U	1.2 U	2.3 U
Allyl chloride	NE	1.6 U	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	0.63 U	1.2 U
Benzothiophene	NE	2.7 U	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	2.2 U	1.1 U	5.5 U
Bromodichloromethane	NE	3.3 U	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	2.7 U	1.3 U	2.7 U
Bromoform	NE	5.1 U	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	4.1 U	2.1 U	4.1 U
Bromomethane	0.9	1.9 U	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	1.6 U	0.78 U	1.6 U
Butadiene, 1,3-	NE	**6.8**	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	0.88 U	0.44 U	0.88 U
Butane	NE	**7.3**	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	**0.71 J**	**0.43 J**	**0.64 J**
Butanone, 2-	17	**43**	**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	**1.2**	0.59 U	**0.88 J**
Carbon disulfide	NE	**3**	**20**	**6.6**	**17**	**48**	**72**	**15**	**5.3**	**5.0**	**4.8**	**3.1**	**1.5**	**3.4**	**5.4**
Carbon tetrachloride	1	3.1 U	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	2.5 U	1.3 U	2.5 U
Chlorobenzene	<0.25	2.3 U	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	1.8 U	0.92 U	1.8 U
Chloroethane	0.4	1.3 U	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	1.0 U	0.53 U	1.0 U
Chloroform	0.5	2.4 U	**2.6**	**0.63 J**	**1.4**	**1.9**	**7.4**	**0.36 J**	**0.36 J**	**0.42 J**	**1.7**	**2.4**	2.0 U	**0.73 J**	**2.2**
Chloromethane	4.6	**0.91 J**	**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	**0.37 J**	0.41 U	**0.27 J**
Chlorotoluene, 2-	NE	2.6 U	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	2.1 U	1.0 U	2.1 U
Cryofluorane	1.3	3.5 U	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	2.8 U	1.4 U	2.8 U
Cyclohexane	3	1.7 U	1.4 U	**0.28 J**	**100**	**290**	**140**	**88**	**36**	**38**	**52**	**33**	**16**	**12**	**20**
Decane, n-	3.6	**2 J**	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	2.3 U	**0.76 J**	2.3 U
Dibromochloromethane	NE	4.2 U	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	3.4 U	1.7 U	3.4 U
Dibromoethane, 1,2-	<0.25	3.8 U	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	3.1 U	1.5 U	3.1 U
Dichlorobenzene, 1,2-	0.9	3 U	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	2.4 U	1.2 U	2.4 U
Dichlorobenzene, 1,3-	0.7	3 U	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	2.4 U	1.2 U	2.4 U
Dichlorobenzene, 1,4-	0.8	3 U	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**	2.4 U	1.2 U	**1.1 J**
Dichlorodifluoromethane	11	**2 J**	**2.9**	**3.6**	**2.7**	**2.5**	**2.7**	**2.4**	**2.3**	**2.1**	**1.3**	**2.9**	**2.3**	**2.2**	**2.4**
Dichloroethane, 1,1-	<0.25	2 U	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	1.6 U	0.81 U	1.6 U
Dichloroethane, 1,2-	<0.25	2 U	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	1.6 U	0.81 U	1.6 U
Dichloroethene, 1,1-	<0.25	2 U	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	1.6 U	0.79 U	1.6 U
Dichloroethene, cis-1,2-	<0.25	2 U	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	1.6 U	0.79 U	1.6 U
Dichloropropane, 1,2-	<0.25	2.3 U	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	1.8 U	0.92 U	1.8 U
Dichloropropene, cis-1,3	<0.25	2.2 U	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	1.8 U	0.91 U	1.8 U
Dichloropropene, trans-1,3	<0.25	2.2 U	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	1.8 U	0.91 U	1.8 U
Dioxane, 1,4-	NE	1.8 U	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	1.4 U	0.72 U	1.4 U
Dodecane, n-	7.6	**5 J**	**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	2.8 UJ	**0.42 J**	**2.0 J**
Ethanol	220	**40**	**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	**4.5**	**0.47 J**	**1.9 J**
Ethylthiophene, 2-	NE	2.3 U	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	1.8 U	0.92 U	1.8 U
Ethyltoluene, p-	NE	2.4 U	**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	2.0 U	0.98 U	2.0 U
Heptane, n-	5.1	**1.6 J**	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	1.6 U	0.82 U	1.6 U
Hexachlorobutadiene	7	5.3 U	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	4.3 U	2.1 U	4.3 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-13 7/25/2007	OU2SG-13 9/20/2007	OU2SG-13 12/19/2007	OU2SG-13 4/3/2008	OU2SG-13 6/24/2008	OU2SG-13 9/16/2008	OU2SG-13 12/23/2008	OU2SG-13 3/12/2009	Duplicate of OU2SG-13 3/12/2009	OU2SG-13 6/8/2009	OU2SG-13 9/21/2009	OU2SG-13 12/18/2009	OU2SG-13 3/25/2010	OU2SG-13 6/8/2010
Hexane, n-	3.6	**3.2**	**1.6**	**0.49 J**	**70**	**150 J**	**48**	**5.2**	0.70 U	**0.63 J**	**0.51 J**	1.4 U	1.4 U	**0.28 J**	1.4 U
Hexanone, 2-	NE	**3.6**	**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	1.6 U	0.82 U	1.6 U
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	2.4 U	**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	1.9 UJ	0.97 U	1.9 U
Indene	NE	**1.3 J**	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	1.9 UJ	0.95 U	1.9 U
Isopropyl benzene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	5.9	1.8 U	**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	0.72 U	1.4 U
Methyl-2-pentanone, 4-	2.9	**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	1.6 U	0.82 U	1.6 U
Methylene chloride	2.9	**4.5**	**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	3.5 U	1.7 U	**1.2 J**
Methylnaphthalene, 1-	NE	2.9 U	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	2.3 U	2.9 UJ	5.8 U
Methylnaphthalene, 2-	NE	36 UJ	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	2.3 U	2.9 UJ	5.8 U
Methylthiophene, 2-	NE	2 U	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	1.6 U	0.80 U	1.6 U
Methylthiophene, 3-	NE	2 U	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	1.6 U	0.80 U	1.6 U
Naphthalene	10	**1.6 J**	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	2.1 U	1.0 U	2.1 U
Nonane	1.2	**1.9 J**	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	2.1 U	1.0 U	2.1 U
Octane, n-	2.1	**1.3 J**	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	1.9 U	0.93 U	1.9 U
Pentane	NE	**6.1**	**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**	**1.2**	**0.38 J**	**0.76 J**
Propanol, 2-	NE	**4.8**	**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	2.5 U	**1.6**	**2.4 J**
Propylbenzene, n-	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.6	**1.2 J**	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	1.7 U	**0.38 J**	**0.83 J**
t-Butyl alcohol	NE	**5.1**	**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**	**0.85 J**	**0.73**	**0.89 J**
Tetrachloroethane, 1,1,2,2-	<0.25	3.4 U	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	2.7 U	1.4 U	2.7 U
Tetrachloroethene	1.6	3.4 U	**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**	2.7 U	**1.1 J**	**1.6 J**
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	14 U	**7.0**	**0.27 J**	**2.0**	**3.7 J**	**17**	**0.82 J**	**1.4**	**2.4**	**2.6 J**	2.2 UJ	2.2 U	1.1 U	**1.0 J**
Thiophene	NE	1.7 U	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	1.4 U	0.69 U	1.4 U
Trans-1,2-dichloroethene	NE	2 U	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	1.6 U	0.79 U	1.6 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	3.8 U	**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**	3.1 U	**0.61 J**	3.1 U
Trichlorobenzene, 1,2,4-	4.8	3.7 U	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	3.0 UJ	1.5 U	3.0 U
Trichloroethane, 1,1,1-	0.7	2.7 U	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	2.2 U	1.1 U	2.2 U
Trichloroethane, 1,1,2-	<0.25	2.7 U	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	2.2 U	1.1 U	2.2 U
Trichloroethene	0.5	2.7 U	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	2.2 U	1.1 U	2.2 U
Trichlorofluoromethane	6.1	**1.1 J**	**1.6 J**	**1.4**	**1.5**	**1.6 J**	**1.5**	**1.2**	**1.2**	**1.0 J**	**1.3**	**1.7 J**	**1.1 J**	**1.3**	**2.5**
Trimethylbenzene, 1,2,3-	0.6	**0.97 J**	**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	2.0 U	0.98 U	2.0 U
Trimethylbenzene, 1,2,4-	2.5	2.4 U	**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	2.0 U	**0.44 J**	2.0 U
Trimethylbenzene, 1,3,5-	1	2.4 U	**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	2.0 U	0.98 U	2.0 U
Trimethylpentane, 2,2,4-	2	2.3 U	1.9 U	0.93 U	0.93 UJ	1.8 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 UJ	1.9 U	1.9 U	0.93 U	1.9 U
Undecane, n-	2.3	**5.2**	**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	2.6 U	**1.3 J**	**1.3 J**
Vinyl bromide	NE	2.2 U	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	1.8 U	0.87 U	1.8 U
Vinyl chloride	<0.25	1.3 U	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	1.0 U	0.51 U	1.0 U
Other (%)															
Carbon Dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NE	NA	NA	NA	NA	NA	**0.063**	**0.13**	**0.64**	**0.531**	**0.034**	**0.289**	**0.03**	**0.151**	**0.035**

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-13 9/10/2010	OU2SG-14 3/30/2007	Duplicate of OU2SG-14 3/30/2007	OU2SG-14 6/14/2007	OU2SG-14 12/19/2007	OU2SG-14 4/3/2008	OU2SG14 6/19/2008	OU2SG-14 9/18/2008	OU2-SG-14 12/29/2008	OU2SG-14 3/16/2009	OU2SG-14 6/16/2009	OU2SG-14 9/21/2009	OU2SG-14 12/18/2009	OU2SG-14 3/18/2010
BTEX (ug/m^3)															
Benzene	5.8	1.3 U	1.2 U	1.2 U	1.3 U	0.64 U	0.64 U	0.64 UJ	0.64 U	0.64 U	0.64 U	0.64 U	1.3 U	1.3 U	**0.70 J**
Toluene	21	**3.5**	**4.0**	**4.5**	**17**	**2.8**	**4.9**	**7.5**	**7.5**	0.75 U	0.75 U	**1.4**	**1.5**	1.5 U	**62**
Ethylbenzene	1.9	1.7 U	**0.96 J**	**1.3 J**	1.7 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	1.7 U	**1.8**
Xylene, m,p-	3.1	3.5 U	**4.6**	**5.6**	3.4 U	**0.22 J**	**0.45 J**	**0.52 J**	**0.61 J**	1.7 U	1.7 U	**0.45 J**	3.5 U	3.5 U	**3.4 J**
Xylene, o-	2.5	1.7 U	**3.6**	**4.4**	1.7 U	0.87 U	0.87 U	0.87 U	**0.22 J**	0.87 U	0.87 U	0.87 U	1.7 U	1.7 U	**1.2 J**
Other VOCs (ug/m^3)															
Acetaldehyde	NE	**8.0 J**	31 U	32 U	**94**	1.8 U	4.5 U	**22**	**9.7 J**	3.3 U	1.8 U	4.5 U	**4.8 J**	**4.0**	9.0 UJ
Acetone	58	11.8 U	**11 J**	**12 J**	**7**	1.6 U	2.0 U	**65**	**3.6 J**	1.7 U	1.9 U	3.2 U	4.8 U	4.8 U	4.8 UJ
Acrolein (propenal)	NE	2.3 U	0.86 U	0.88 U	0.9 UJ	0.46 U	1.2 U	**0.34 J**	0.46 U	0.46 U	0.46 U	1.2 UJ	2.3 U	2.3 U	**2.4**
Allyl chloride	NE	1.2 U	1.2 U	1.2 U	1.2 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	1.2 U	1.2 U
Benzothiophene	NE	5.5 U	2.1 U	2.1 U	2.2 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 U	1.1 UJ	1.1 U	1.1 U	2.2 U	2.2 U	2.2 U
Bromodichloromethane	NE	2.7 U	2.5 U	2.6 U	2.6 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	2.7 U
Bromoform	NE	4.1 U	3.9 U	4.0 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	4.1 U
Bromomethane	0.9	1.6 U	1.5 U	1.5 U	1.5 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	1.6 U
Butadiene, 1,3-	NE	0.88 U	0.83 U	0.85 U	0.87 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	0.88 U	0.88 U
Butane	NE	**1.3**	**0.62 J**	2.3 U	0.94 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	0.95 U	**2.3**
Butanone, 2-	17	**0.47 J**	**2.7**	**3.1**	1.2 UJ	**0.32 J**	**0.60 J**	**0.77**	**0.65**	0.59 U	0.59 U	**0.47 J**	**1.1 J**	1.2 U	**3.0**
Carbon disulfide	NE	**2.6**	2.9 U	3.0 U	3.1 U	**0.40 J**	**0.79**	**3.0**	**1.9**	**0.16 J**	0.62 U	**0.19 J**	**0.62 J**	1.2 U	1.2 U
Carbon tetrachloride	1	2.5 U	2.4 U	2.4 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	2.5 U	2.5 U
Chlorobenzene	<0.25	1.8 U	1.7 U	1.8 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	1.8 U
Chloroethane	0.4	1.0 U	0.99 U	1.0 U	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	1.0 U	1.0 U
Chloroform	0.5	**4.3**	**13**	**14**	1.9 U	0.98 U	**1.1**	0.98 U	**0.49 J**	**0.40 J**	**12**	**0.56 J**	2.0 U	2.0 U	**2.2**
Chloromethane	4.6	0.83 U	1.9 U	2.0 U	0.81 U	0.41 U	0.41 U	**0.23 J**	0.41 U	**0.13 J**	0.41 U	**0.13 J**	0.83 U	0.83 U	**0.70 J**
Chlorotoluene, 2-	NE	2.1 U	1.9 U	2.0 U	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	2.1 U	2.1 U
Cryofluorane	1.3	2.8 U	2.6 U	2.7 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	2.8 U
Cyclohexane	3	**24**	1.3 U	1.3 U	**0.81 J**	0.69 U	**0.26 J**	**0.48 J**	**0.48 J**	0.69 U	0.69 U	0.69 U	1.4 U	1.4 U	**3.1**
Decane, n-	3.6	2.3 U	**1.9 J**	**2.7**	**1.2 J**	1.2 U	**0.30 J**	**0.64 J**	1.2 U	1.2 U	1.2 U	**1.2**	2.3 U	2.3 U	**9.8**
Dibromochloromethane	NE	3.4 U	3.2 U	3.3 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	3.4 U
Dibromoethane, 1,2-	<0.25	3.1 U	2.9 U	3.0 U	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	3.1 U	3.1 U
Dichlorobenzene, 1,2-	0.9	2.4 U	2.3 U	2.3 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	2.4 U
Dichlorobenzene, 1,3-	0.7	2.4 U	2.3 U	2.3 U	2.4 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	**0.60 J**	2.4 U	2.4 U	2.4 U
Dichlorobenzene, 1,4-	0.8	2.4 U	2.3 U	2.3 U	2.4 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	**0.44 J**	2.4 U	2.4 U	2.4 U
Dichlorodifluoromethane	11	**2.2**	**3.6**	**3.2**	**2.2**	**3.3**	**2.0**	**2.3**	**2.8**	**3.1**	**2.2**	**1.6**	**2.6**	**2.2**	**2.5**
Dichloroethane, 1,1-	<0.25	1.6 U	1.5 U	1.6 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	1.6 U
Dichloroethane, 1,2-	<0.25	1.6 U	1.5 U	1.6 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	1.6 UJ
Dichloroethene, 1,1-	<0.25	1.6 U	1.5 U	1.5 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	1.6 U
Dichloroethene, cis-1,2-	<0.25	1.6 U	1.5 U	1.5 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	1.6 U
Dichloropropane, 1,2-	<0.25	1.8 U	1.7 U	1.8 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	1.8 U
Dichloropropene, cis-1,3	<0.25	1.8 U	1.7 U	1.8 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	1.8 U
Dichloropropene, trans-1,3	<0.25	1.8 U	1.7 U	1.8 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	1.8 U
Dioxane, 1,4-	NE	1.4 U	3.4 U	3.5 U	3.6 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	1.4 U	1.4 U
Dodecane, n-	7.6	2.8 U	**11 J**	**5.8 J**	**18 J**	**1.7**	**0.77 J**	**6.1 J**	**0.56 J**	1.4 U	1.4 UJ	**2.6**	2.8 U	2.8 UJ	**5.2**
Ethanol	220	**1.8 J**	**23**	**30**	**2.7 J**	**0.73 J**	**1.1 J**	**1.4 J**	**0.94 J**	1.9 U	**1.1 J**	**4.1**	3.8 U	**1.2 J**	**29**
Ethylthiophene, 2-	NE	1.8 U	1.7 U	1.8 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	1.8 U
Ethyltoluene, p-	NE	2.0 U	1.8 U	1.9 U	1.9 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	2.0 U	2.0 U
Heptane, n-	5.1	1.6 U	1.5 U	1.6 U	1.6 U	0.82 UJ	0.82 UJ	0.82 U	0.82 U	0.82 U	0.82 UJ	0.82 U	1.6 U	1.6 U	**2.5**
Hexachlorobutadiene	7	4.3 U	4.0 UJ	4.1 UJ	4.2 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	4.3 U	4.3 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-13 9/10/2010	OU2SG-14 3/30/2007	Duplicate of OU2SG-14 3/30/2007	OU2SG-14 6/14/2007	OU2SG-14 12/19/2007	OU2SG-14 4/3/2008	OU2SG14 6/19/2008	OU2SG-14 9/18/2008	OU2-SG-14 12/29/2008	OU2SG-14 3/16/2009	OU2SG-14 6/16/2009	OU2SG-14 9/21/2009	OU2SG-14 12/18/2009	OU2SG-14 3/18/2010
Hexane, n-	3.6	**0.85 J**	**1.9**	**1.4**	1.4 U	0.70 U	0.70 U	0.70 UJ	0.70 U	0.70 U	0.70 U	0.70 U	1.4 U	1.4 U	**5.8**
Hexanone, 2-	NE	1.6 U	1.5 U	1.6 U	1.6 U	0.82 U	0.82 U	**0.25 J**	0.82 U	0.82 U	0.82 U	0.82 U	1.6 U	1.6 U	1.6 U
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	1.9 U	**0.93 J**	**0.95 J**	1.9 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	1.9 UJ	1.9 U
Indene	NE	1.9 U	1.8 U	1.8 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 UJ	1.9 U
Isopropyl benzene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	5.9	1.4 U	1.4 U	1.4 U	1.4 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	1.4 U	1.4 U
Methyl-2-pentanone, 4-	2.9	1.6 U	1.5 U	1.6 U	1.6 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	1.6 U	**0.98 J**
Methylene chloride	2.9	3.5 U	**4.9 J**	3.3 U	**1.5 J**	0.69 U	1.7 U	2.2 U	2.2 U	2.4 U	1.7 U	1.7 U	3.5 U	3.5 U	**5.4**
Methylnaphthalene, 1-	NE	5.8 UJ	2.2 U	2.2 U	2.3 UJ	14 UJ	1.2 UJ	2.9 UJ	1.2 U	5.8 UJ	1.2 U	1.2 U	2.3 U	2.3 U	2.3 U
Methylnaphthalene, 2-	NE	5.8 U	2.2 U	2.2 U	2.3 UJ	14 UJ	1.2 UJ	2.9 UJ	1.2 U	5.8 U	1.2 U	1.2 U	2.3 U	2.3 U	2.3 U
Methylthiophene, 2-	NE	1.6 U	1.5 U	1.6 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	1.6 U	1.6 U	1.6 U
Methylthiophene, 3-	NE	1.6 U	1.5 U	1.6 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	1.6 U	1.6 U	1.6 U
Naphthalene	10	2.1 U	**2.0 J**	**2.2 J**	2.1 U	1.0 U	1.0 U	**0.79 J**	**0.52 J**	1.0 U	1.0 U	**0.50 J**	2.1 U	2.1 U	2.1 U
Nonane	1.2	2.1 U	2.0 U	**1.0 J**	2.1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**0.33 J**	2.1 U	2.1 U	**0.63 J**
Octane, n-	2.1	1.9 U	1.8 U	1.8 U	1.8 U	0.93 U	0.93 U	**0.37 J**	0.93 U	0.93 U	0.93 U	0.93 U	1.9 U	1.9 U	**0.65 J**
Pentane	NE	**0.94 J**	1.1 U	1.1 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	1.2 U	1.2 U	**2500**
Propanol, 2-	NE	**0.64 J**	**1.7 J**	**3.2 J**	4.8 U	0.49 U	**0.29 J**	**0.56 J**	0.49 U	1.2 U	1.2 U	1.7 U	2.4 U	2.4 U	**22**
Propylbenzene, n-	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.6	1.7 U	**17 J**	**25 J**	1.7 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	**2.1**	1.7 U	1.7 U	**1.8**
t-Butyl alcohol	NE	1.2 U	1.1 UJ	1.2 UJ	1.2 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	1.5 U	0.61 U	1.2 U	1.2 U	1.2 U
Tetrachloroethane, 1,1,2,2-	<0.25	2.7 U	2.6 U	2.6 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	2.7 U
Tetrachloroethene	1.6	**1.4 J**	**7.9**	**8.0**	**4**	**0.54 J**	**0.89 J**	**1.8**	**1.4**	1.4 U	1.4 U	**1.2 J**	**0.68 J**	2.7 U	**9.4**
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	2.2 U	26 U	26 U	2.2 U	1.1 U	**0.29 J**	**1.5 J**	**1.2**	1.1 U	1.1 U	1.1 U	2.2 UJ	2.2 U	2.2 U
Thiophene	NE	1.4 U	1.3 U	1.3 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	1.4 U
Trans-1,2-dichloroethene	NE	1.6 U	1.5 U	1.5 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	**1.2 J**
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	3.1 U	2.9 U	3.0 U	3 U	1.5 U	**0.52 J**	**0.46 J**	**0.61 J**	**0.60 J**	**0.53 J**	**0.70 J**	3.1 U	3.1 U	3.1 U
Trichlorobenzene, 1,2,4-	4.8	3.0 U	2.8 UJ	2.9 UJ	2.9 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	3.0 U
Trichloroethane, 1,1,1-	0.7	2.2 U	2.0 U	2.1 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	2.2 UJ
Trichloroethane, 1,1,2-	<0.25	2.2 U	2.0 U	2.1 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	2.2 U
Trichloroethene	0.5	2.2 U	2.0 U	2.1 U	2.1 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	2.2 U	2.2 U
Trichlorofluoromethane	6.1	**1.1 J**	**1.4 J**	**1.8 J**	**1.2 J**	**1.7**	**1.1**	**1.2**	**1.4**	**1.6**	**1.1**	**1.6**	**1.8 J**	**1.0 J**	**1.4 J**
Trimethylbenzene, 1,2,3-	0.6	2.0 U	**1.9**	1.9 U	1.9 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	**0.27 J**	2.0 UJ	2.0 UJ	2.0 U
Trimethylbenzene, 1,2,4-	2.5	2.0 U	1.8 U	1.9 U	1.9 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	**0.59 J**	2.0 U	2.0 U	2.0 U
Trimethylbenzene, 1,3,5-	1	2.0 U	1.8 UJ	**5.2 J**	1.9 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	2.0 U	2.0 U
Trimethylpentane, 2,2,4-	2	1.9 U	1.8 UJ	1.8 UJ	1.8 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	1.9 U	**0.84 J**
Undecane, n-	2.3	2.6 U	**2.2 J**	2.5 UJ	**2.5 J**	**0.96 J**	**0.45 J**	1.3 U	**0.57 J**	1.3 U	1.3 U	**1.3 J**	2.6 U	2.6 U	**14**
Vinyl bromide	NE	1.8 U	1.6 U	1.7 U	1.7 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	1.8 U
Vinyl chloride	<0.25	1.0 U	0.96 U	0.99 U	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	1.0 U	1.0 U
Other (%)															
Carbon Dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NE	0.0214 U	NA	NA	NA	NA	NA	0.0167 U	**0.021**	**0.0221**	**0.128**	0.0245	0.00361 U	0.0175 U	0.0161 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-14 6/30/2010	OU2SG-14 9/22/2010	OU2SG-15 4/3/2008	OU2SG-15 6/19/2008	OU2SG-15 9/18/2008	Duplicate of OU2SG-15 9/18/2008	OU2SG-15 12/29/2008	OU2SG-15 3/16/2009	OU2SG-15 6/16/2009	OU2SG-15 9/21/2009	OU2SG-15 12/18/2009	OU2SG-15 3/17/2010	OU2SG-16 4/3/2008	OU2SG-16 6/24/2008
BTEX (ug/m^3)															
Benzene	5.8	1.3 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	1.3 U	1.3 U	**0.28 J**	0.64 U
Toluene	21	**1.3 J**	**0.98 J**	**2.1**	**1.2**	**0.60 J**	**0.72 J**	**2.5**	**3.1**	**4.9**	**2.3**	1.5 U	**1.1 J**	**1.6**	**9.6**
Ethylbenzene	1.9	1.7 U	1.7 U	**0.68 J**	**0.30 J**	**0.22 J**	**0.22 J**	**0.37 J**	**0.45 J**	**0.57 J**	**0.43 J**	1.7 U	1.7 U	**1.1**	**0.69 J**
Xylene, m,p-	3.1	3.5 U	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**	3.5 U	3.5 U	**3.7**	**2.1**
Xylene, o-	2.5	1.7 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**	1.7 U	1.7 U	**2.7**	**0.95**
Other VOCs (ug/m^3)															
Acetaldehyde	NE	9.0 UJ	9.0 U	4.5 U	**10**	**9.6**	**11**	3.3 U	2.7 U	**7.1**	**7.3 J**	**4.2**	**9.3**	4.5 U	**52**
Acetone	58	**2.8 J**	**5.6 JB**	3.6 U	**6.8**	**2.8 J**	**5.0 J**	2.0 U	2.0 U	4.2 U	5.5 UJ	4.8 U	**4.2 J**	1.9 U	**28**
Acrolein (propenal)	NE	2.3 U	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	2.3 U	2.3 U	1.2 U	**0.46**
Allyl chloride	NE	1.2 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	1.2 U	0.63 U	0.63 UJ
Benzothiophene	NE	2.2 U	5.5 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	2.2 U	2.2 U	1.1 UJ	1.1 U
Bromodichloromethane	NE	2.7 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	2.7 U	1.3 U	1.3 U
Bromoform	NE	4.1 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	4.1 U	2.1 U	2.1 U
Bromomethane	0.9	1.6 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	1.6 U	0.78 U	0.78 U
Butadiene, 1,3-	NE	0.88 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	0.88 U	0.88 U	0.44 U	0.44 U
Butane	NE	**8.8**	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	0.95 U	**0.33 J**	**0.26 J**	**0.17 J**
Butanone, 2-	17	1.2 U	**0.53 J**	**0.62 J**	**1.7**	**0.88**	**1.3**	0.59 U	0.59 U	**0.51 J**	1.2 U	1.2 U	**1.1 J**	**0.29 J**	**2.1**
Carbon disulfide	NE	1.8 U	**0.93 J**	**0.21 J**	1.2 U	0.62 U	0.65 U	**1.7**	**2.3**	**9.7**	**6.9**	**0.37 J**	**3.1**	**0.85**	**1.2**
Carbon tetrachloride	1	2.5 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	2.5 U	2.5 U	1.3 U	1.3 U
Chlorobenzene	<0.25	1.8 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	1.8 U	0.92 U	0.92 U
Chloroethane	0.4	1.0 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	1.0 U	0.53 U	0.53 U
Chloroform	0.5	2.0 U	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	2.0 U	2.0 U	**3.0**	**6.1**
Chloromethane	4.6	0.83 U	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	0.83 U	0.83 U	0.41 U	**0.12 J**
Chlorotoluene, 2-	NE	2.1 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	2.1 U	2.1 U	1.0 U	1.0 U
Cryofluorane	1.3	2.8 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	2.8 U	1.4 U	1.4 U
Cyclohexane	3	**0.49 J**	1.4 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**	1.4 U	**1.0 J**	0.69 U	**0.28 J**
Decane, n-	3.6	**4.3**	2.3 U	**10**	**12**	**57**	**57**	1.2 U	1.2 U	1.2 U	2.3 U	2.3 U	2.3 U	**2.4**	**72**
Dibromochloromethane	NE	3.4 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	3.4 U	1.7 U	1.7 U
Dibromoethane, 1,2-	<0.25	3.1 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	3.1 U	1.5 U	1.5 U
Dichlorobenzene, 1,2-	0.9	2.4 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**	2.4 U	2.4 U	1.2 U	1.2 U
Dichlorobenzene, 1,3-	0.7	2.4 U	2.4 U	1.2 U	**1.4**	**1.8**	**1.8**	1.2 U	1.2 U	**0.38 J**	2.4 U	2.4 U	2.4 U	1.2 U	**6.2**
Dichlorobenzene, 1,4-	0.8	2.4 U	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**	2.4 U	2.4 U	1.2 U	**0.60 J**
Dichlorodifluoromethane	11	**2.2**	**2.6**	**2.0**	**3.7**	**2.6**	**2.6**	**2.9**	**2.2**	**1.2**	**2.9**	**2.3**	**2.7**	**1.8**	**2.2**
Dichloroethane, 1,1-	<0.25	1.6 UJ	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	1.6 U	0.81 U	0.81 U
Dichloroethane, 1,2-	<0.25	1.6 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	1.6 UJ	0.81 U	0.81 U
Dichloroethene, 1,1-	<0.25	1.6 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	1.6 U	0.79 U	0.79 U
Dichloroethene, cis-1,2-	<0.25	1.6 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	1.6 U	0.79 U	0.79 U
Dichloropropane, 1,2-	<0.25	1.8 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	1.8 U	0.92 U	0.92 U
Dichloropropene, cis-1,3	<0.25	1.8 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	1.8 U	0.91 U	0.91 U
Dichloropropene, trans-1,3	<0.25	1.8 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	1.8 U	0.91 U	0.91 U
Dioxane, 1,4-	NE	1.4 U	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	1.4 U	0.72 U	0.72 U
Dodecane, n-	7.6	**20**	**1.4 J**	**7.7**	**20 J**	**33 J**	**14 J**	1.4 U	**0.38 J**	**0.71 J**	2.8 U	2.8 UJ	2.8 U	**1.9**	**71 J**
Ethanol	220	3.8 U	**1.9 J**	**4.3 J**	**4.5**	**12**	**12**	**1.1 J**	**1.7 J**	**7.6**	3.8 U	**1.2 J**	**2.6 J**	**1.3 J**	**2.2**
Ethylthiophene, 2-	NE	1.8 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	1.8 U	0.92 U	0.92 U
Ethyltoluene, p-	NE	2.0 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	2.0 U	2.0 U	**0.79 J**	**0.49 J**
Heptane, n-	5.1	1.6 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	1.6 U	1.6 U	0.82 UJ	**1.2 J**
Hexachlorobutadiene	7	4.3 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	4.3 UJ	4.3 U	4.3 U	2.1 U	2.1 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-14 6/30/2010	OU2SG-14 9/22/2010	OU2SG-15 4/3/2008	OU2SG-15 6/19/2008	OU2SG-15 9/18/2008	Duplicate of OU2SG-15 9/18/2008	OU2SG-15 12/29/2008	OU2SG-15 3/16/2009	OU2SG-15 6/16/2009	OU2SG-15 9/21/2009	OU2SG-15 12/18/2009	OU2SG-15 3/17/2010	OU2SG-16 4/3/2008	OU2SG-16 6/24/2008
Hexane, n-	3.6	**0.48 J**	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	1.4 U	1.4 U	0.70 U	**0.49 J**
Hexanone, 2-	NE	1.6 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	1.6 U	1.6 U	0.82 U	0.82 U
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	1.9 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	1.9 UJ	1.9 U	**0.52 J**	**0.72 J**
Indene	NE	1.9 UJ	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 UJ	1.9 U	0.95 U	0.95 U
Isopropyl benzene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	5.9	1.4 UJ	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	1.4 U	1.4 U	0.72 U	0.72 U
Methyl-2-pentanone, 4-	2.9	1.6 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	1.6 U	1.6 U	0.82 U	0.82 U
Methylene chloride	2.9	**2.4 J**	**1.8 J**	1.7 U	1.8 U	0.69 U	1.9 U	2.7 U	1.7 U	1.7 U	3.5 U	3.5 U	3.5 U	1.7 U	1.7 U
Methylnaphthalene, 1-	NE	5.8 U	5.8 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**	2.3 U	2.3 U	1.2 UJ	2.9 UJ
Methylnaphthalene, 2-	NE	5.8 U	5.8 U	1.2 UJ	2.9 U	1.2 U	1.2 U	5.8 U	1.2 U	**1.2**	**2.0 J**	2.3 U	2.3 U	1.2 UJ	**0.70 J**
Methylthiophene, 2-	NE	1.6 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	1.6 U	1.6 U	0.80 U	0.80 U
Methylthiophene, 3-	NE	1.6 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	1.6 U	1.6 U	0.80 U	0.80 U
Naphthalene	10	2.1 U	**0.52 J**	**0.37 J**	**0.73 J**	**0.58 J**	**0.37 J**	**0.39 J**	**0.32 J**	**2.1**	**2.2**	2.1 U	2.1 U	1.0 U	**1.7**
Nonane	1.2	2.1 U	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	2.1 U	2.1 U	1.0 U	**1.2**
Octane, n-	2.1	**1.7 J**	1.9 U	**2.7**	**10**	**130**	**140**	0.93 U	0.93 U	0.93 U	1.9 U	1.9 U	1.9 U	**1.0**	**230**
Pentane	NE	**2.3**	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	1.2 U	1.2 U	**0.47 J**	**0.32 J**
Propanol, 2-	NE	2.5 U	2.5 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	2.4 U	**1.2 J**	**0.53 J**	1.7 UJ
Propylbenzene, n-	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.6	1.7 U	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**	1.7 U	**0.94 J**	0.85 U	**0.47 J**
t-Butyl alcohol	NE	1.2 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**	1.2 U	1.2 U	**0.28 J**	**1.8**
Tetrachloroethane, 1,1,2,2-	<0.25	2.7 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	2.7 U	1.4 U	1.4 U
Tetrachloroethene	1.6	**1.3 J**	2.7 U	**6.4**	**5.6**	**2.1**	**2.2**	**2.0**	**2.1**	**5.9**	**3.1**	2.7 U	**1.9 J**	**11**	**6.5**
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	2.2 U	2.2 U	**1.1**	**1.0 J**	**1.0 J**	**1.0 J**	**1.0 J**	**1.4**	**1.7 J**	**1.8 J**	2.2 U	2.2 U	**0.81 J**	**3.6 J**
Thiophene	NE	1.4 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	1.4 U	0.69 U	0.69 U
Trans-1,2-dichloroethene	NE	1.6 UJ	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	1.6 U	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	3.1 U	**0.92 J**	**0.55 J**	1.5 U	**0.61 J**	**0.54 J**	**0.66 J**	**0.60 J**	**0.66 J**	3.1 U	3.1 U	3.1 U	**1.5 J**	**0.61 J**
Trichlorobenzene, 1,2,4-	4.8	3.0 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	3.0 U	1.5 U	1.5 U
Trichloroethane, 1,1,1-	0.7	2.2 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	2.2 UJ	1.1 U	1.1 U
Trichloroethane, 1,1,2-	<0.25	2.2 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	2.2 U	1.1 U	1.1 U
Trichloroethene	0.5	2.2 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	2.2 U	1.1 U	1.1 U
Trichlorofluoromethane	6.1	**1.4 J**	**1.6 J**	**1.2**	**1.9**	**1.1**	**1.2**	**1.4**	**1.1**	**1.4**	**1.7 J**	**1.1 J**	**1.4 J**	**1.4**	**2.2**
Trimethylbenzene, 1,2,3-	0.6	2.0 U	2.0 U	**1.8**	**0.88 J**	**0.49 J**	**0.44 J**	**0.78 J**	**1.1**	**0.96 J**	**0.59 J**	2.0 UJ	2.0 U	**3.8**	**3.6**
Trimethylbenzene, 1,2,4-	2.5	2.0 U	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**	2.0 U	2.0 U	**0.46 J**	**0.88 J**
Trimethylbenzene, 1,3,5-	1	2.0 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	2.0 U	2.0 U	**1.7**	**1.8**
Trimethylpentane, 2,2,4-	2	1.9 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	1.9 U	1.9 U	0.93 UJ	0.93 U
Undecane, n-	2.3	2.6 U	**0.64 J**	**2.9**	**10**	1.3 UJ	1.3 UJ	1.3 U	1.3 U	1.3 U	2.6 U	2.6 U	2.6 U	**0.80 J**	**16**
Vinyl bromide	NE	1.8 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	1.8 U	0.87 U	0.87 U
Vinyl chloride	<0.25	1.0 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	1.0 U	0.51 U	0.51 U
Other (%)															
Carbon Dioxide	NE	**0.964**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NE	0.0163 U	0.018 U	NA	0.0172 U	0.016 U	0.018 U	**0.0231**	0.0183 U	0.0185	0.00378 U	0.0157 U	0.0184 U	NA	NA

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-16 9/18/2008	OU2SG-16 12/29/2008	OU2SG-16 3/17/2009	OU2SG-16 9/29/2009	OU2SG-16 12/18/2009	OU2SG-16 3/31/2010	OU2SG-17 4/3/2008	OU2SG-17 6/20/2008	OU2SG-17 9/22/2008	Duplicate of OU2SG-17 9/22/2008	OU2SG-17 12/29/2008	OU2SG-17 3/17/2009	OU2SG-17 6/16/2009	OU2SG-17 9/29/2009
BTEX (ug/m^3)															
Benzene	5.8	0.64 U	0.64 U	**0.19 J**	1.6 U	1.3 U	1.3 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
Toluene	21	**6.3**	**46**	**2.3**	**1.7 J**	**55**	**9.6**	**1.6**	**0.49 J**	**0.45 J**	**0.45 J**	**0.70 J**	**20**	**32**	**27**
Ethylbenzene	1.9	**0.48 J**	**0.65 J**	**0.61 J**	2.2 U	**1.3 J**	**5.5**	**0.50 J**	0.87 U	0.87 U	0.87 U	**0.23 J**	**2.2 J**	**2.0**	**3.2**
Xylene, m,p-	3.1	**1.3 J**	**14**	**1.9**	**1.2 J**	**1.9 J**	**3.7**	**1.5 J**	**0.35 J**	**0.35 J**	**0.30 J**	**0.53 J**	**9.0**	**2.3**	**7.8**
Xylene, o-	2.5	**0.65 J**	**5.9**	**1.1**	2.2 U	**0.43 J**	**2.9**	**0.97**	0.87 U	0.87 U	0.87 U	**0.22 J**	**3.2**	**1.3**	**3.5**
Other VOCs (ug/m^3)															
Acetaldehyde	NE	**8.5 J**	**4.0 J**	**6.6**	**7.2**	**2.7 J**	9.0 U	**12**	**3.7 J**	**7.2 J**	**6.8**	**3.8 J**	**6.6 J**	5.7 U	**4.3 J**
Acetone	58	**3.8**	2.0 U	**4.4 J**	7.6 U	5.4 UJ	**1.4 J**	7.7 U	**3.5**	**3.5**	**2.7**	2.8 U	**4.8 J**	2.8 U	6.0 U
Acrolein (propenal)	NE	0.46 U	0.46 U	0.46 U	2.9 U	2.3 U	2.3 U	**0.44 J**	0.46 U	0.46 U	0.46 U	0.46 U	**1.2**	1.2 UJ	2.9 U
Allyl chloride	NE	0.63 U	0.63 U	0.63 U	1.6 U	1.2 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	1.6 U
Benzothiophene	NE	1.1 U	1.1 UJ	2.7 U	2.7 U	2.2 U	2.2 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
Bromodichloromethane	NE	1.3 U	1.3 U	1.3 U	3.4 U	2.7 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	3.4 U
Bromoform	NE	2.1 U	2.1 U	2.1 U	5.2 U	4.1 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	5.2 U
Bromomethane	0.9	0.78 U	0.78 U	0.78 U	1.9 U	1.6 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	1.9 U
Butadiene, 1,3-	NE	0.44 U	0.44 U	0.44 U	1.1 U	0.88 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	1.1 U
Butane	NE	0.48 U	**0.63**	0.48 U	1.2 U	**1.2**	**1.4**	**0.28 J**	**0.14 J**	0.48 U	0.48 U	**0.62**	**0.47 J**	**0.24 J**	1.2 U
Butanone, 2-	17	**1.6**	0.59 U	**1.4**	1.5 U	1.2 U	1.2 U	**2.3**	**0.68**	**0.62**	**0.77**	**0.38 J**	**1.1**	**0.59**	1.5 U
Carbon disulfide	NE	0.75 U	**8.7**	0.62 U	1.6 U	**1.1 J**	**4.8**	**1.6**	0.62 U	0.62 U	0.62 U	0.62 U	**4.3**	**73**	**42**
Carbon tetrachloride	1	1.3 U	1.3 U	1.3 U	3.1 U	2.5 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	3.1 U
Chlorobenzene	<0.25	0.92 U	0.92 U	0.92 U	2.3 U	1.8 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	2.3 U
Chloroethane	0.4	0.53 U	0.53 U	0.53 U	1.3 U	1.0 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	1.3 U
Chloroform	0.5	**7.1**	**2.8**	**3.4**	**8.3**	**3.1**	**3.2**	**1.7**	**3.2**	**1.1**	**0.98**	**0.50 J**	**0.27 J**	**0.82 J**	2.4 U
Chloromethane	4.6	0.41 U	0.41 U	0.41 U	1.0 U	0.83 U	0.83 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
Chlorotoluene, 2-	NE	1.0 U	1.0 U	1.0 U	2.6 U	2.1 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	2.6 U
Cryofluorane	1.3	1.4 U	1.4 U	1.4 U	3.5 U	2.8 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	3.5 U
Cyclohexane	3	**0.31 J**	**150**	**0.62 J**	**0.60 J**	**20**	**49**	0.69 U	0.69 U	0.69 U	0.69 U	**0.65 J**	**2.4**	**3.2**	**2.3**
Decane, n-	3.6	**100**	1.2 U	**2.9**	2.9 U	2.3 U	2.3 U	**1.4**	**3.7**	**18**	**17**	**1.7**	**1.1 J**	1.2 U	2.9 U
Dibromochloromethane	NE	1.7 U	1.7 U	1.7 U	4.3 U	3.4 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	4.3 U
Dibromoethane, 1,2-	<0.25	1.5 U	1.5 U	1.5 U	3.8 U	3.1 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	3.8 U
Dichlorobenzene, 1,2-	0.9	1.2 U	**0.40 J**	1.2 U	3.0 U	2.4 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	3.0 U
Dichlorobenzene, 1,3-	0.7	**2.0**	1.2 U	**4.9**	3.0 U	2.4 U	2.4 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
Dichlorobenzene, 1,4-	0.8	**0.36 J**	**0.31 J**	**1.6**	3.0 U	2.4 U	2.4 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**
Dichlorodifluoromethane	11	**2.8**	**2.2**	**2.4**	**2.6**	**2.5**	**2.9**	**2.9**	**2.7**	**3.0**	**2.9**	**2.5**	**2.2**	**1.6**	**2.4 J**
Dichloroethane, 1,1-	<0.25	0.81 U	0.81 U	0.81 U	2.0 U	1.6 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	2.0 U
Dichloroethane, 1,2-	<0.25	0.81 U	0.81 U	0.81 UJ	2.0 U	1.6 U	1.6 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
Dichloroethene, 1,1-	<0.25	0.79 U	0.79 U	0.79 U	2.0 U	1.6 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	2.0 U
Dichloroethene, cis-1,2-	<0.25	0.79 U	0.79 U	0.79 U	2.0 U	1.6 U	1.6 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	**2.2**	2.0 U
Dichloropropane, 1,2-	<0.25	0.92 U	0.92 U	0.92 U	2.3 U	1.8 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	2.3 U
Dichloropropene, cis-1,3	<0.25	0.91 U	0.91 U	0.91 U	2.3 U	1.8 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	2.3 U
Dichloropropene, trans-1,3	<0.25	0.91 U	0.91 U	0.91 U	2.3 U	1.8 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	2.3 U
Dioxane, 1,4-	NE	0.72 U	0.72 U	0.72 U	1.8 U	1.4 U	1.4 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 UJ	1.8 U
Dodecane, n-	7.6	**41**	1.4 UJ	**1.5 J**	**1.9 J**	2.8 UJ	2.8 U	**0.70 J**	**4.2 J**	**13**	**10**	**1.3 J**	**2.1 J**	1.4 U	3.5 U
Ethanol	220	**36**	**1.6 J**	**93**	**6.5**	**7.3**	**4.0**	**6.4**	**1.5 J**	**3.2**	**2.8**	**5.3**	**7.4**	**4.0**	**1.8 J**
Ethylthiophene, 2-	NE	0.92 U	0.92 U	0.92 U	2.3 U	1.8 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	2.3 U
Ethyltoluene, p-	NE	**0.25 J**	**0.36 J**	**0.54 J**	2.5 U	2.0 U	2.0 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
Heptane, n-	5.1	**1.2**	**0.38 J**	0.82 U	2.0 U	1.6 U	1.6 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
Hexachlorobutadiene	7	2.1 U	2.1 U	2.1 U	5.3 U	4.3 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	5.3 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-16 9/18/2008	OU2SG-16 12/29/2008	OU2SG-16 3/17/2009	OU2SG-16 9/29/2009	OU2SG-16 12/18/2009	OU2SG-16 3/31/2010	OU2SG-17 4/3/2008	OU2SG-17 6/20/2008	OU2SG-17 9/22/2008	Duplicate of OU2SG-17 9/22/2008	OU2SG-17 12/29/2008	OU2SG-17 3/17/2009	OU2SG-17 6/16/2009	OU2SG-17 9/29/2009
Hexane, n-	3.6	**0.39 J**	**17**	**0.28 J**	1.8 U	**2.1**	1.4 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
Hexanone, 2-	NE	**2.1**	0.82 U	2.0 U	2.0 UJ	1.6 U	1.6 U	0.82 U	**0.25 J**	0.82 U	0.82 U	0.82 U	2.0 U	0.82 U	2.0 UJ
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	**0.29 J**	0.97 U	**0.68 J**	2.4 U	1.9 UJ	1.9 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**
Indene	NE	0.95 U	0.95 U	0.95 U	2.4 U	1.9 UJ	1.9 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
Isopropyl benzene	0.4	NA	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	1.8 U	1.4 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	1.8 U
Methyl-2-pentanone, 4-	2.9	0.82 U	0.82 U	0.82 U	2.0 U	1.6 U	1.6 U	0.82 U	0.82 U	0.82 U	0.82 U	**0.88**	0.82 U	0.82 U	2.0 U
Methylene chloride	2.9	0.69 U	1.7 U	1.7 U	4.3 U	3.5 U	3.5 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
Methylnaphthalene, 1-	NE	1.2 U	R	2.9 UJ	2.9 U	2.3 U	5.8 U	1.2 UJ	2.9 UJ	1.2 U	1.2 U	R	**1.3 J**	1.2 U	2.9 U
Methylnaphthalene, 2-	NE	1.2 U	14 UJ	2.9 UJ	2.9 UJ	2.3 U	5.8 U	1.2 UJ	2.9 UJ	1.2 U	1.2 U	14 UJ	**2.6 J**	1.2 U	2.9 UJ
Methylthiophene, 2-	NE	0.80 U	0.80 U	0.80 U	2.0 U	1.6 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	2.0 U
Methylthiophene, 3-	NE	0.80 U	0.80 U	0.80 U	2.0 U	1.6 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	2.0 U
Naphthalene	10	1.0 U	**0.30 J**	**0.47 J**	2.6 U	2.1 U	2.1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**3.9**	1.0 U	2.6 U
Nonane	1.2	**1.7**	1.0 U	**1.3**	2.6 U	2.1 U	2.1 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
Octane, n-	2.1	**410**	0.93 U	**0.75 J**	2.3 U	1.9 U	1.9 U	**4.3**	**4.4**	**16**	**14**	**0.31 J**	**0.33 J**	0.93 U	2.3 U
Pentane	NE	0.59 U	**1.4**	0.59 U	1.5 U	1.2 U	**1.7**	**0.75**	**0.65**	0.59 U	0.59 U	**2.4**	**0.72**	**0.53 J**	1.5 U
Propanol, 2-	NE	0.49 U	0.91 UJ	**14**	3.0 U	2.4 U	2.5 U	**1.5**	**0.86 J**	0.49 U	0.49 U	1.2 UJ	**1.0 J**	1.2 U	3.0 U
Propylbenzene, n-	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.6	**0.43 J**	0.85 U	0.85 U	2.1 U	1.7 U	1.7 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**
t-Butyl alcohol	NE	**0.48 J**	0.61 U	**0.15 J**	1.5 U	**0.55 J**	1.2 U	**0.94**	0.61 U	0.61 U	0.61 U	0.61 U	**0.21 J**	**0.73**	1.5 U
Tetrachloroethane, 1,1,2,2-	<0.25	1.4 U	1.4 U	1.4 U	3.4 U	2.7 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	3.4 U
Tetrachloroethene	1.6	**4.2**	**4.2**	**1.8**	**1.0 J**	2.7 U	**4.9**	**3.9**	**1.8**	**1.0 J**	**1.0 J**	**0.40 J**	**10**	**22**	**19**
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	**1.6**	**0.72 J**	**0.66 J**	2.7 UJ	2.2 U	2.2 U	1.1 U	1.1 U	**0.44 J**	**0.27 J**	1.1 U	**1.6 J**	1.1 U	**2.6 J**
Thiophene	NE	0.69 U	0.69 U	0.69 U	1.7 U	1.4 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	1.7 U
Trans-1,2-dichloroethene	NE	0.79 U	0.79 U	0.79 U	2.0 U	1.6 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	2.0 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	**0.46 J**	**0.44 J**	**0.46 J**	3.8 U	3.1 U	3.1 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
Trichlorobenzene, 1,2,4-	4.8	1.5 U	1.5 U	1.5 U	3.7 U	3.0 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	3.7 U
Trichloroethane, 1,1,1-	0.7	1.1 U	1.1 U	1.1 U	2.7 U	2.2 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	2.7 U
Trichloroethane, 1,1,2-	<0.25	1.1 U	1.1 U	1.1 U	2.7 U	2.2 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	2.7 U
Trichloroethene	0.5	**5.2**	1.1 U	1.1 U	2.7 U	2.2 U	2.2 U	1.1 U	1.1 U	1.1 U	1.1 U	**1.1**	1.1 U	**1.3**	2.7 U
Trichlorofluoromethane	6.1	**1.7**	**1.4**	**1.2**	**1.5 J**	**1.4 J**	**2.7**	**1.9**	**1.6**	**1.6**	**1.6**	**1.5**	**1.2**	**2.0**	**1.4 J**
Trimethylbenzene, 1,2,3-	0.6	**0.69 J**	**1.6**	**3.0**	2.5 U	2.0 UJ	2.0 U	**0.66 J**	**0.29 J**	0.98 U	0.98 U	**0.33 J**	**3.4**	0.98 U	**2.2 J**
Trimethylbenzene, 1,2,4-	2.5	**1.5**	**0.72 J**	**0.79 J**	**0.74 J**	2.0 U	2.0 U	0.98 U	0.98 U	**0.39 J**	**0.39 J**	0.98 U	**1.1**	0.98 U	**2.5**
Trimethylbenzene, 1,3,5-	1	**0.39 J**	**0.65 J**	**1.3**	2.5 U	2.0 U	2.0 U	**0.38 J**	0.98 U	0.98 U	0.98 U	0.98 U	**1.4**	0.98 U	**1.4 J**
Trimethylpentane, 2,2,4-	2	**1.4**	0.93 U	0.93 U	2.3 U	1.9 U	1.9 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
Undecane, n-	2.3	1.3 UJ	1.3 U	**1.8**	3.2 U	2.6 U	2.6 U	**0.92 J**	**2.1**	1.3 UJ	1.3 UJ	1.3 U	**2.0**	1.3 U	3.2 U
Vinyl bromide	NE	0.87 U	0.87 U	0.87 U	2.2 U	1.8 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	2.2 U
Vinyl chloride	<0.25	0.51 U	0.51 U	0.51 U	1.3 U	1.0 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	1.3 U
Other (%)															
Carbon Dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NE	0.0171 U	**0.0158**	0.0197 U	0.00333 U	0.0144 U	0.0172 U	NA	0.0316 U	0.0181 U	0.0215 U	**0.0196**	0.0168 U	0.0182	0.00364 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-17 12/18/2009	OU2SG-17 3/31/2010	OU2SG-17 6/30/2010	OU2SG-18 4/3/2008	OU2SG-18 6/19/2008	OU2SG-18 9/18/2008	OU2SG-18 12/29/2008	Duplicate of OU2SG-18 12/29/2008	OU2SG-18 3/18/2009	OU2SG-18 6/16/2009	OU2SG-18 9/29/2009	OU2SG-18 12/18/2009	OU2SG-18 3/31/2010	OU2SG-18 6/30/2010
BTEX (ug/m^3)															
Benzene	5.8	1.3 U	1.3 U	**0.49 J**	0.64 U	0.64 UJ	0.64 U	0.64 U	0.64 U	0.64 U	0.67 U	1.6 U	1.3 U	1.3 U	1.3 U
Toluene	21	**4.6**	**11**	**9.8**	**0.27 J**	**0.49 J**	**0.94**	**0.25 J**	**0.27 J**	**0.54 J**	**17**	**3.8**	**0.83 J**	**1.2 J**	**6.0**
Ethylbenzene	1.9	1.7 U	**0.95 J**	1.7 U	0.87 U	0.87 U	**0.30 J**	0.87 U	0.87 U	**0.35 J**	**1.1**	2.2 U	1.7 U	1.7 U	1.7 U
Xylene, m,p-	3.1	3.5 U	**1.3 J**	**0.87 J**	1.7 U	**0.43 J**	**0.82 J**	1.7 U	1.7 U	**0.74 J**	**0.79 J**	4.3 U	3.5 U	3.5 U	**1.0 J**
Xylene, o-	2.5	1.7 U	**0.78 J**	1.7 U	0.87 U	0.87 U	**0.43 J**	0.87 U	0.87 U	**0.43 J**	**1.5**	**0.54 J**	1.7 U	1.7 U	**0.82 J**
Other VOCs (ug/m^3)															
Acetaldehyde	NE	**2.2 J**	**3.8 J**	**5.8 J**	4.7 U	**6.0**	**8.1 J**	**4.3 J**	**4.1 J**	2.7 U	4.5 U	**4.8**	3.6 UJ	9.0 U	**7.6 J**
Acetone	58	4.8 U	4.8 U	**3.0 J**	2.6 U	**3.8**	**12**	1.8 U	1.7 U	2.5 U	2.9 U	3.7 U	4.8 U	**1.4 J**	**4.3 J**
Acrolein (propenal)	NE	2.3 U	2.3 U	2.3 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	2.3 U	2.3 U	2.3 U
Allyl chloride	NE	1.2 U	1.2 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	1.6 U	1.2 U	1.2 U	1.2 U
Benzothiophene	NE	2.2 U	2.2 U	2.2 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	2.2 U	2.2 U	2.2 U
Bromodichloromethane	NE	2.7 U	2.7 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	3.4 U	2.7 U	2.7 U	2.7 U
Bromoform	NE	4.1 U	4.1 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	5.2 U	4.1 U	4.1 U	4.1 U
Bromomethane	0.9	1.6 U	1.6 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	1.9 U	1.6 U	1.6 U	1.6 U
Butadiene, 1,3-	NE	0.88 U	0.88 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	1.1 U	0.88 U	0.88 U	0.88 U
Butane	NE	**0.48 J**	**1.6**	0.95 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	**0.52 J**	**0.81 J**	0.95 U
Butanone, 2-	17	1.2 U	1.2 U	1.2 U	**0.55 J**	**0.59**	**1.5**	0.59 U	0.59 U	0.59 U	**0.47 J**	1.5 U	1.2 U	1.2 U	1.2 U
Carbon disulfide	NE	**15**	**27**	**80**	**0.34 J**	0.62 U	0.62 U	**0.23 J**	0.62 U	**0.18 J**	**22**	**26**	**6.7**	**11**	**22**
Carbon tetrachloride	1	2.5 U	2.5 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	3.1 U	2.5 U	2.5 U	2.5 U
Chlorobenzene	<0.25	1.8 U	1.8 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	2.3 U	1.8 U	1.8 U	1.8 U
Chloroethane	0.4	1.0 U	1.0 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	1.3 U	1.0 U	1.0 U	1.0 U
Chloroform	0.5	2.0 U	**0.78 J**	**0.88 J**	**0.44 J**	**1.2**	**0.93 J**	**0.32 J**	**0.30 J**	**15**	**0.75 J**	2.4 U	**1.5 J**	**2.0**	**1.8 J**
Chloromethane	4.6	**0.21 J**	0.83 U	0.83 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	**0.21 J**	0.83 U	0.83 U
Chlorotoluene, 2-	NE	2.1 U	2.1 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	2.6 U	2.1 U	2.1 U	2.1 U
Cryofluorane	1.3	2.8 U	2.8 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	3.5 U	2.8 U	2.8 U	2.8 U
Cyclohexane	3	**0.89 J**	**1.6**	**1.4 J**	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	**4.3**	**2.6**	**1.3 J**	**2.3**	**1.0 J**
Decane, n-	3.6	2.3 U	2.3 U	2.3 U	1.2 U	**10**	**61**	**0.70 J**	**0.77 J**	**1.2**	**0.41 J**	2.9 U	2.3 U	2.3 U	**30**
Dibromochloromethane	NE	3.4 U	3.4 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	4.3 U	3.4 U	3.4 U	3.4 U
Dibromoethane, 1,2-	<0.25	3.1 U	3.1 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	3.8 U	3.1 U	3.1 U	3.1 U
Dichlorobenzene, 1,2-	0.9	2.4 U	2.4 U	2.4 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	**0.41 J**	3.0 U	2.4 U	2.4 U	2.4 U
Dichlorobenzene, 1,3-	0.7	2.4 U	2.4 U	2.4 U	1.2 U	1.2 U	**1.7**	1.2 U	1.2 U	1.2 U	**0.37 J**	3.0 U	2.4 U	2.4 U	2.4 U
Dichlorobenzene, 1,4-	0.8	2.4 U	**1.1 J**	**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**	2.4 U	**1.1 J**	**3.7**
Dichlorodifluoromethane	11	**2.4**	**2.7**	**2.7**	**3.0**	**2.5**	**3.0**	**2.5**	**2.4**	**2.1**	**1.4**	**2.5**	**2.4**	**3.1**	**2.6**
Dichloroethane, 1,1-	<0.25	1.6 U	1.6 U	1.6 UJ	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	2.0 U	1.6 U	1.6 U	1.6 UJ
Dichloroethane, 1,2-	<0.25	1.6 U	1.6 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	2.0 U	1.6 U	1.6 U	1.6 U
Dichloroethene, 1,1-	<0.25	1.6 U	1.6 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	2.0 U	1.6 U	1.6 U	1.6 U
Dichloroethene, cis-1,2-	<0.25	1.6 U	1.6 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	2.0 U	1.6 U	1.6 U	1.6 U
Dichloropropane, 1,2-	<0.25	1.8 U	1.8 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	2.3 U	1.8 U	1.8 U	1.8 U
Dichloropropene, cis-1,3	<0.25	1.8 U	1.8 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	2.3 U	1.8 U	1.8 U	1.8 U
Dichloropropene, trans-1,3	<0.25	1.8 U	1.8 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	2.3 U	1.8 U	1.8 U	1.8 U
Dioxane, 1,4-	NE	1.4 U	1.4 U	1.4 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 UJ	1.8 U	1.4 U	1.4 U	1.4 U
Dodecane, n-	7.6	2.8 UJ	2.8 U	2.8 U	1.4 U	**37 J**	**20**	**1.4 J**	**0.79 J**	**2.4 J**	**3.1**	3.5 U	2.8 UJ	2.8 U	**120**
Ethanol	220	**1.0 J**	**0.94 J**	**1.3 J**	**1.5 J**	**3.0**	**25**	**1.7 J**	**2.3**	**7.6**	2.6 U	**1.2 J**	**1.0 J**	3.8 U	**2.3 J**
Ethylthiophene, 2-	NE	1.8 U	1.8 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	2.3 U	1.8 U	1.8 U	1.8 U
Ethyltoluene, p-	NE	2.0 U	2.0 U	2.0 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	2.0 U	2.0 U	2.0 U
Heptane, n-	5.1	1.6 U	1.6 U	1.6 U	0.82 U	0.82 U	**0.82**	0.82 U	0.82 U	0.82 U	0.82 U	2.0 U	1.6 U	1.6 U	1.6 U
Hexachlorobutadiene	7	4.3 U	4.3 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	5.3 U	4.3 U	4.3 U	4.3 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-17 12/18/2009	OU2SG-17 3/31/2010	OU2SG-17 6/30/2010	OU2SG-18 4/3/2008	OU2SG-18 6/19/2008	OU2SG-18 9/18/2008	OU2SG-18 12/29/2008	Duplicate of OU2SG-18 12/29/2008	OU2SG-18 3/18/2009	OU2SG-18 6/16/2009	OU2SG-18 9/29/2009	OU2SG-18 12/18/2009	OU2SG-18 3/31/2010	OU2SG-18 6/30/2010
Hexane, n-	3.6	1.4 U	**0.70 J**	1.4 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	1.4 U	1.4 U	**0.54 J**
Hexanone, 2-	NE	1.6 U	1.6 U	1.6 U	0.82 U	**0.20 J**	**1.9**	0.82 U	0.82 U	0.82 U	0.82 U	2.0 UJ	1.6 U	1.6 U	1.6 U
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	1.9 UJ	1.9 U	1.9 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	**0.35 J**	2.4 U	1.9 UJ	1.9 U	1.9 U
Indene	NE	1.9 UJ	1.9 U	1.9 UJ	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	2.4 U	1.9 UJ	1.9 U	1.9 UJ
Isopropyl benzene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	5.9	1.4 U	1.4 U	1.4 UJ	0.72 U	0.72 UJ	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	1.8 U	1.4 U	1.4 U	1.4 UJ
Methyl-2-pentanone, 4-	2.9	1.6 U	1.6 U	1.6 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	1.6 U	1.6 U	1.6 U
Methylene chloride	2.9	3.5 U	3.5 U	**2.1 J**	1.7 U	1.8 U	0.87 U	1.7 U	1.7 U	1.7 U	1.7 U	4.3 U	3.5 U	3.5 U	6.9 U
Methylnaphthalene, 1-	NE	2.3 U	5.8 U	5.8 U	1.2 UJ	2.9 UJ	1.2 U	R	R	1.2 U	**0.29 J**	2.9 U	2.3 U	5.8 U	5.8 U
Methylnaphthalene, 2-	NE	2.3 U	5.8 U	5.8 U	1.2 UJ	2.9 UJ	1.2 U	14 UJ	14 UJ	1.2 U	**0.37 J**	2.9 UJ	2.3 U	5.8 U	5.8 U
Methylthiophene, 2-	NE	1.6 U	1.6 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	2.0 U	1.6 U	1.6 U	1.6 U
Methylthiophene, 3-	NE	1.6 U	1.6 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	2.0 U	1.6 U	1.6 U	1.6 U
Naphthalene	10	2.1 U	2.1 U	2.1 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	2.1 U	2.1 U	**0.65 J**
Nonane	1.2	2.1 U	2.1 U	2.1 U	1.0 U	1.0 U	**1.2**	1.0 U	1.0 U	1.0 U	1.0 U	2.6 U	2.1 U	2.1 U	2.1 U
Octane, n-	2.1	1.9 U	1.9 U	1.9 U	0.93 U	**0.79 J**	**250**	0.93 U	0.93 U	0.93 U	0.93 U	2.3 U	1.9 U	1.9 U	**5.1**
Pentane	NE	**0.88 J**	**1.9**	1.2 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	**0.65 J**	**1.2**	1.2 U
Propanol, 2-	NE	2.4 U	2.5 U	2.5 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	2.4 U	2.5 U	**5.7**
Propylbenzene, n-	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.6	1.7 U	**1.0 J**	**0.53 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	1.7 U	1.7 U	**1.4 J**
t-Butyl alcohol	NE	1.2 U	1.2 U	**0.71 J**	**0.38 J**	0.61 U	**0.48 J**	0.61 U	0.61 U	**0.25 J**	**0.29 J**	1.5 U	1.2 U	1.2 U	**0.86 J**
Tetrachloroethane, 1,1,2,2-	<0.25	2.7 U	2.7 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	3.4 U	2.7 U	2.7 U	2.7 U
Tetrachloroethene	1.6	**3.9**	**9.6**	**13**	**1.2 J**	**1.4**	**1.2 J**	1.4 U	1.4 U	1.4 U	**22**	**17**	**4.2**	**10**	**14**
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	2.2 U	**0.99 J**	2.2 U	1.1 U	1.1 U	**0.66 J**	1.1 U	1.1 U	1.1 U	**1.1 J**	2.7 UJ	2.2 U	2.2 U	2.2 U
Thiophene	NE	1.4 U	1.4 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	1.7 U	1.4 U	1.4 U	1.4 U
Trans-1,2-dichloroethene	NE	1.6 U	1.6 U	1.6 UJ	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	2.0 U	1.6 U	1.6 U	1.6 UJ
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	3.1 U	3.1 U	3.1 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	3.1 U	**0.77 J**	3.1 U
Trichlorobenzene, 1,2,4-	4.8	3.0 U	3.0 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	3.7 U	3.0 U	3.0 U	3.0 U
Trichloroethane, 1,1,1-	0.7	2.2 U	2.2 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	2.7 U	2.2 U	2.2 U	2.2 U
Trichloroethane, 1,1,2-	<0.25	2.2 U	2.2 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	2.7 U	2.2 U	2.2 U	2.2 U
Trichloroethene	0.5	2.2 U	2.2 U	2.2 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	2.2 U	2.2 U	2.2 U
Trichlorofluoromethane	6.1	**1.0 J**	**1.5 J**	**1.6 J**	**1.7**	**1.6**	**1.5**	**1.5**	**1.7**	**1.9**	**1.6**	**1.4 J**	**1.1 J**	**1.8 J**	**1.4 J**
Trimethylbenzene, 1,2,3-	0.6	2.0 UJ	**0.79 J**	2.0 U	0.98 U	**0.59 J**	**0.44 J**	0.98 U	0.98 U	**0.53 J**	**1.1**	2.5 U	2.0 UJ	2.0 U	2.0 U
Trimethylbenzene, 1,2,4-	2.5	2.0 U	2.0 U	2.0 U	0.98 U	0.98 U	**0.98**	0.98 U	0.98 U	0.98 U	**0.34 J**	2.5 U	2.0 U	2.0 U	2.0 U
Trimethylbenzene, 1,3,5-	1	2.0 U	2.0 U	2.0 U	0.98 U	**0.39 J**	**0.25 J**	0.98 U	0.98 U	**0.58 J**	0.98 U	2.5 U	2.0 U	2.0 U	2.0 U
Trimethylpentane, 2,2,4-	2	1.9 U	1.9 U	1.9 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	1.9 U	1.9 U	1.9 U
Undecane, n-	2.3	2.6 U	2.6 U	2.6 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	2.6 U	2.6 U	**1.2 J**
Vinyl bromide	NE	1.8 U	1.8 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	2.2 U	1.8 U	1.8 U	1.8 U
Vinyl chloride	<0.25	1.0 U	1.0 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	1.3 U	1.0 U	1.0 U	1.0 U
Other (%)															
Carbon Dioxide	NE	NA	NA	**1.46**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**4.3**
Helium	NE	0.0158 U	0.0169 U	**0.052**	NA	0.0182 U	0.0162 U	**0.0163**	**0.0166**	**0.027**	0.0188	**0.16**	0.0144 U	0.0162 U	0.0184 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-18 9/20/2010	OU2SG-19 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
BTEX (ug/m^3)															
Benzene	5.8	1.3 U	**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
Toluene	21	**3.1**	**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**
Ethylbenzene	1.9	1.7 U	**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
Xylene, m,p-	3.1	**1.1 J**	**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**
Xylene, o-	2.5	**1.2 J**	**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
Other VOCs (ug/m^3)															
Acetaldehyde	NE	9.0 U	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**
Acetone	58	**5.1 JB**	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**
Acrolein (propenal)	NE	2.3 U	**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
Allyl chloride	NE	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	0.63 U	0.63 U	0.63 U
Benzothiophene	NE	5.5 U	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
Bromodichloromethane	NE	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	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	NE	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	2.1 U	2.1 U	2.1 U
Bromomethane	0.9	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	0.78 U	0.78 U	0.78 U
Butadiene, 1,3-	NE	0.88 U	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
Butane	NE	0.95 U	**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**
Butanone, 2-	17	1.2 U	**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**
Carbon disulfide	NE	**11**	**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**
Carbon tetrachloride	1	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	1.3 U	1.3 U	1.3 U
Chlorobenzene	<0.25	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	0.92 U	0.92 U	0.92 U
Chloroethane	0.4	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	0.53 U	0.53 U	0.53 U
Chloroform	0.5	**1.8 J**	**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**
Chloromethane	4.6	0.83 U	**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**
Chlorotoluene, 2-	NE	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	1.0 U	1.0 U	1.0 U	1.0 U
Cryofluorane	1.3	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	1.4 U	1.4 U	1.4 U
Cyclohexane	3	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	0.69 U	0.69 U	0.69 U
Decane, n-	3.6	**3.6**	**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
Dibromochloromethane	NE	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	1.7 U	1.7 U	1.7 U
Dibromoethane, 1,2-	<0.25	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	1.5 U	1.5 U	1.5 U
Dichlorobenzene, 1,2-	0.9	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	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,3-	0.7	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	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,4-	0.8	**1.1 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
Dichlorodifluoromethane	11	**2.6**	**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**
Dichloroethane, 1,1-	<0.25	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	0.81 U	0.81 U	0.81 U
Dichloroethane, 1,2-	<0.25	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	0.81 U	0.81 U	0.81 U
Dichloroethene, 1,1-	<0.25	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	0.79 U	0.79 U	0.79 U
Dichloroethene, cis-1,2-	<0.25	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	0.79 U	0.79 U	0.79 U
Dichloropropane, 1,2-	<0.25	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	0.92 U	0.92 U	0.92 U
Dichloropropene, cis-1,3	<0.25	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	0.91 U	0.91 U	0.91 U
Dichloropropene, trans-1,3	<0.25	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	0.91 U	0.91 U	0.91 U
Dioxane, 1,4-	NE	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	0.72 U	0.72 U	0.72 U
Dodecane, n-	7.6	**1.1 J**	**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**
Ethanol	220	**2.1 J**	**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**
Ethylthiophene, 2-	NE	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	0.92 U	0.92 U	0.92 U
Ethyltoluene, p-	NE	2.0 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-	5.1	1.6 U	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
Hexachlorobutadiene	7	4.3 U	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

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-18 9/20/2010	OU2SG-19 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
Hexane, n-	3.6	1.4 U	**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
Hexanone, 2-	NE	1.6 U	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
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	1.9 U	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
Indene	NE	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	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	NA
Methyl tert-butyl ether	5.9	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	0.72 U	0.72 U	0.72 U
Methyl-2-pentanone, 4-	2.9	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	0.82 U	0.82 U	0.82 U	0.82 U
Methylene chloride	2.9	**1.7 J**	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
Methylnaphthalene, 1-	NE	5.8 U	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
Methylnaphthalene, 2-	NE	5.8 U	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
Methylthiophene, 2-	NE	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	0.80 U	0.80 U	0.80 U	0.80 U
Methylthiophene, 3-	NE	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	0.80 U	0.80 U	0.80 U	0.80 U
Naphthalene	10	2.1 U	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
Nonane	1.2	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	1.0 U	1.0 U	1.0 U	1.0 U
Octane, n-	2.1	1.9 U	**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
Pentane	NE	1.2 U	**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**
Propanol, 2-	NE	2.5 U	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
Propylbenzene, n-	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.6	**0.43 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	0.85 U	0.85 U	0.85 U	0.85 U
t-Butyl alcohol	NE	**0.36 J**	**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
Tetrachloroethane, 1,1,2,2-	<0.25	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	1.4 U	1.4 U	1.4 U
Tetrachloroethene	1.6	**3.5**	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**
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	2.2 U	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
Thiophene	NE	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	0.69 U	0.69 U	0.69 U
Trans-1,2-dichloroethene	NE	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	0.79 U	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	3.1 U	**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**
Trichlorobenzene, 1,2,4-	4.8	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	1.5 U	1.5 U	1.5 U
Trichloroethane, 1,1,1-	0.7	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	1.1 U	1.1 U	1.1 U
Trichloroethane, 1,1,2-	<0.25	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	1.1 U	1.1 U	1.1 U
Trichloroethene	0.5	**0.75 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
Trichlorofluoromethane	6.1	**1.2 J**	**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**
Trimethylbenzene, 1,2,3-	0.6	**0.49 J**	**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
Trimethylbenzene, 1,2,4-	2.5	**0.69 J**	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
Trimethylbenzene, 1,3,5-	1	2.0 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-	2	1.9 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U
Undecane, n-	2.3	2.6 U	**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
Vinyl bromide	NE	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	0.87 U	0.87 U	0.87 U
Vinyl chloride	<0.25	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	0.51 U	0.51 U	0.51 U
Other (%)															
Carbon Dioxide	NE	**3.82**	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**
Helium	NE	0.0202 U	**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**

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-19 4/10/2009	OU2SG-19 4/17/2009	OU2SG-19 4/24/2009	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	OU2SG-19 10/14/2009	OU2SG-19 11/17/2009	Duplicate of: OU2SG-19 11/17/2009	OU2SG-19 12/28/2009
BTEX (ug/m^3)															
Benzene	5.8	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	**0.30 J**	3.2 U	0.64 U	0.64 U	1.6 U	1.6 U	1.3 U	1.3 U	1.3 U
Toluene	21	**0.41 J**	**0.38 J**	**0.21 J**	**0.21 J**	**0.94**	**0.35 J**	3.8 U	**0.42 J**	**0.26 J**	1.9 U	1.9 U	1.5 U	**0.38 J**	1.5 U
Ethylbenzene	1.9	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	4.3 U	0.87 U	0.87 U	2.2 U	2.2 U	1.7 U	1.7 U	1.7 U
Xylene, m,p-	3.1	**0.69 J**	**0.63 J**	1.7 U	1.7 U	**0.52 J**	1.7 U	8.7 U	1.7 U	1.7 U	4.3 U	4.3 U	3.5 U	3.5 U	3.5 U
Xylene, o-	2.5	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	4.3 U	0.87 U	0.87 U	2.2 U	2.2 U	1.7 U	1.7 U	1.7 U
Other VOCs (ug/m^3)															
Acetaldehyde	NE	3.6 U	4.5 U	5.8 U	**6.0 J**	4.5 UJ	**8.0**	22 UJ	**10 J**	**7.1**	9.1 U	8.6 U	9.0 UJ	9.0 UJ	9.0 UJ
Acetone	58	1.9 U	1.8 UJ	**2.7 J**	**2.3 J**	2.9 U	3.0 U	**6.3 J**	**4.6 J**	3.8 U	5.2 U	4.5 U	**4.2 J**	**3.7 J**	3.6 UJ
Acrolein (propenal)	NE	0.46 U	0.46 U	0.46 U	0.46 U	1.2 U	**0.47 J**	5.7 U	1.2 U	1.2 U	2.9 U	2.9 U	2.3 U	2.3 U	2.3 U
Allyl chloride	NE	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	1.6 U	1.6 U	1.2 U	1.2 U	1.2 U
Benzothiophene	NE	14 UJ	14 U	14 UJ	14 UJ	1.1 U	1.1 U	5.5 UJ	1.1 UJ	1.1 UJ	2.7 U	2.7 U	2.2 UJ	2.2 UJ	2.2 U
Bromodichloromethane	NE	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	3.4 U	3.4 U	2.7 U	2.7 U	2.7 U
Bromoform	NE	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 UJ	10 U	2.1 U	2.1 U	5.2 U	5.2 U	4.1 U	4.1 U	4.1 U
Bromomethane	0.9	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	1.9 U	1.9 U	1.6 U	1.6 U	1.6 U
Butadiene, 1,3-	NE	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	2.2 U	0.44 U	0.44 U	1.1 U	1.1 U	0.88 U	0.88 U	0.88 U
Butane	NE	**1.2**	**2.1**	**0.83**	**0.75**	**0.76**	**0.54**	2.4 U	**0.36 J**	**0.55**	1.2 U	1.2 U	**1.1**	**0.86 J**	**280**
Butanone, 2-	17	**0.32 J**	**0.39 J**	**0.46 J**	0.59 U	**0.50 J**	**0.30 J**	3.0 U	0.59 U	0.59 U	1.5 U	1.5 U	1.2 U	1.2 U	1.2 U
Carbon disulfide	NE	**3.7**	**5.4**	**2.4**	**2.1**	**4.0**	**1.9**	**4.5 J**	**2.6 J**	**1.8**	1.6 U	**0.78 J**	**0.50 J**	**1.4**	**0.37 J**
Carbon tetrachloride	1	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	6.3 U	1.3 U	1.3 U	3.1 U	3.1 U	2.5 U	2.5 U	2.5 U
Chlorobenzene	<0.25	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	2.3 U	2.3 U	1.8 U	1.8 U	1.8 U
Chloroethane	0.4	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	1.3 U	1.3 U	1.0 U	1.0 U	1.0 U
Chloroform	0.5	**3.6**	**3.0**	**3.3**	**3.4**	**5.3**	**8.3**	**16**	**13**	**18**	**10**	**6.3**	**3.8**	**3.4**	**2.0**
Chloromethane	4.6	**0.14 J**	0.41 U	0.41 U	0.41 U	0.41 U	**0.15 J**	2.1 U	**0.16 J**	**0.19 J**	1.0 U	1.0 U	0.83 U	0.83 U	0.83 U
Chlorotoluene, 2-	NE	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	2.6 U	2.6 U	2.1 U	2.1 U	2.1 U
Cryofluorane	1.3	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	3.5 U	3.5 U	2.8 U	2.8 U	2.8 U
Cyclohexane	3	0.69 U	**0.24 J**	0.69 U	0.69 U	0.69 U	0.69 U	3.4 U	0.69 U	0.69 U	1.7 U	1.7 U	1.4 U	1.4 U	1.4 UJ
Decane, n-	3.6	1.2 U	**0.42 J**	1.2 U	1.2 U	1.2 U	1.2 U	5.8 U	**0.32 J**	1.2 U	2.9 U	2.9 U	2.3 U	2.3 U	2.3 U
Dibromochloromethane	NE	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	4.3 U	4.3 U	3.4 U	3.4 U	3.4 U
Dibromoethane, 1,2-	<0.25	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	3.8 U	3.8 U	3.1 U	3.1 U	3.1 U
Dichlorobenzene, 1,2-	0.9	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	3.0 U	3.0 U	2.4 U	2.4 U	2.4 U
Dichlorobenzene, 1,3-	0.7	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	3.0 U	3.0 U	2.4 U	2.4 U	2.4 U
Dichlorobenzene, 1,4-	0.8	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	3.0 U	3.0 U	2.4 U	2.4 U	2.4 U
Dichlorodifluoromethane	11	**3.1**	**2.9**	**2.6**	**2.9**	**2.1**	**1.9**	**6.6**	**4.8**	**7.1**	**6.7**	**6.8**	**3.3**	**3.1**	**3.1**
Dichloroethane, 1,1-	<0.25	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	2.0 U	2.0 U	1.6 U	1.6 U	1.6 U
Dichloroethane, 1,2-	<0.25	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	2.0 U	2.0 U	1.6 U	1.6 U	1.6 U
Dichloroethene, 1,1-	<0.25	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	2.0 U	2.0 U	1.6 U	1.6 U	1.6 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	4.0 U	0.79 U	0.79 U	2.0 U	2.0 U	1.6 U	1.6 U	1.6 U
Dichloropropane, 1,2-	<0.25	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	2.3 U	2.3 U	1.8 U	1.8 U	1.8 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	4.5 U	0.91 U	0.91 U	2.3 U	2.3 U	1.8 U	1.8 U	1.8 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	4.5 U	0.91 U	0.91 U	2.3 U	2.3 U	1.8 U	1.8 U	1.8 U
Dioxane, 1,4-	NE	0.72 U	0.72 U	0.72 U	0.72 U	0.72 UJ	0.72 UJ	3.6 U	0.72 U	0.72 U	1.8 U	1.8 U	1.4 U	1.4 U	1.4 UJ
Dodecane, n-	7.6	**0.56 J**	**1.2 J**	**0.44 J**	**0.41 J**	**0.42 J**	**0.74 J**	7.0 U	**0.47 J**	**2.3**	3.5 U	3.5 U	2.8 U	**1.5 J**	2.8 U
Ethanol	220	**1.1 J**	**1.3 J**	**0.68 J**	**0.68 J**	1.9 U	1.9 U	**3.2 J**	**0.87 J**	**0.90 J**	4.7 U	4.7 U	**1.5 J**	**3.3 J**	3.8 U
Ethylthiophene, 2-	NE	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	2.3 U	2.3 U	1.8 U	1.8 U	1.8 U
Ethyltoluene, p-	NE	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	4.9 U	0.98 U	0.98 U	2.5 U	2.5 U	2.0 U	2.0 U	2.0 U
Heptane, n-	5.1	**0.57 J**	**0.54 J**	0.82 U	0.82 U	0.82 U	0.82 U	4.1 U	0.82 U	0.82 U	2.0 U	2.0 U	1.6 U	1.6 U	1.6 U
Hexachlorobutadiene	7	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	11 U	2.1 U	2.1 U	5.3 U	5.3 U	4.3 U	4.3 U	4.3 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-19 4/10/2009	OU2SG-19 4/17/2009	OU2SG-19 4/24/2009	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	OU2SG-19 10/14/2009	OU2SG-19 11/17/2009	Duplicate of: OU2SG-19 11/17/2009	OU2SG-19 12/28/2009
Hexane, n-	3.6	0.70 U	**1.2**	0.70 U	0.70 U	0.70 U	0.70 U	3.5 U	0.70 U	0.70 U	1.8 U	1.8 U	1.4 U	1.4 U	1.4 U
Hexanone, 2-	NE	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	2.0 U	2.0 U	1.6 U	1.6 U	1.6 U
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 UJ	4.8 U	0.97 U	0.97 U	2.4 U	2.4 U	1.9 U	1.9 U	1.9 U
Indene	NE	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 UJ	4.8 U	0.95 U	0.95 U	2.4 U	2.4 U	1.9 U	1.9 U	1.9 U
Isopropyl benzene	0.4	NA	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 U	0.72 U	0.72 U	3.6 U	0.72 U	0.72 U	1.8 U	1.8 U	1.4 U	1.4 U	1.4 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	4.1 U	0.82 U	0.82 U	2.0 U	2.0 U	1.6 U	1.6 U	1.6 U
Methylene chloride	2.9	1.7 U	1.7 U	2.3 U	2.4 U	**1.7 J**	1.7 U	8.7 U	1.7 U	1.7 U	4.3 U	4.3 U	3.5 U	**1.0 J**	3.5 U
Methylnaphthalene, 1-	NE	5.8 U	14 U	14 UJ	14 UJ	1.2 U	1.2 U	5.8 UJ	1.2 UJ	1.2 U	2.9 U	2.9 U	2.3 U	2.3 U	2.3 U
Methylnaphthalene, 2-	NE	5.8 U	14 U	14 UJ	14 UJ	1.2 U	1.2 U	5.8 UJ	1.2 UJ	1.2 U	2.9 U	2.9 U	2.3 UJ	2.3 UJ	2.3 U
Methylthiophene, 2-	NE	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	2.0 U	2.0 U	1.6 U	1.6 U	1.6 U
Methylthiophene, 3-	NE	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	2.0 U	2.0 U	1.6 U	1.6 U	1.6 U
Naphthalene	10	1.0 U	**0.30 J**	1.0 U	1.0 U	1.0 U	1.0 U	5.2 U	1.0 U	1.0 U	2.6 U	2.6 U	2.1 U	2.1 U	2.1 U
Nonane	1.2	1.0 U	**0.31 J**	1.0 U	1.0 U	1.0 U	1.0 U	5.2 U	1.0 U	1.0 U	2.6 U	2.6 U	2.1 U	2.1 U	2.1 U
Octane, n-	2.1	0.93 U	**0.28 J**	0.93 U	0.93 U	0.93 U	0.93 U	4.7 U	0.93 U	0.93 U	2.3 U	2.3 U	1.9 U	1.9 U	1.9 U
Pentane	NE	**0.65**	**1.5**	**0.41 J**	**0.35 J**	**0.68**	**0.38 J**	3.0 U	0.59 U	**0.35 J**	1.5 U	1.5 U	1.2 U	**0.59 J**	**7.6**
Propanol, 2-	NE	0.49 U	**0.43 J**	0.95 U	0.63 U	1.2 U	1.2 U	**1.8 J**	1.2 U	1.2 U	5.6 U	3.0 U	2.5 U	2.5 U	2.5 U
Propylbenzene, n-	0.5	NA	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	4.3 U	0.85 U	0.85 U	2.1 U	2.1 U	1.7 U	1.7 U	1.7 U
t-Butyl alcohol	NE	0.61 U	**0.15 J**	0.61 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	1.2 U	1.2 U	1.2 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	6.9 U	1.4 U	1.4 U	3.4 U	3.4 U	2.7 U	2.7 U	2.7 U
Tetrachloroethene	1.6	**0.68 J**	**0.64 J**	**0.61 J**	**0.64 J**	**1.3 J**	**2.3**	**3.8 J**	**6.0**	**3.3**	**2.4 J**	**1.7 J**	**1.6 J**	**1.2 J**	2.7 U
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	5.5 U	5.5 U	5.5 U	5.5 U	1.1 U	1.1 U	5.5 UJ	1.1 UJ	1.1 UJ	2.7 UJ	2.7 U	2.2 UJ	2.2 UJ	2.2 U
Thiophene	NE	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	1.7 U	1.7 U	1.4 U	1.4 U	1.4 U
Trans-1,2-dichloroethene	NE	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	2.0 U	2.0 U	1.6 U	1.6 U	1.6 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	**0.61 J**	**0.62 J**	**0.56 J**	**0.54 J**	**0.77 J**	**0.67 J**	7.7 U	**0.43 J**	**0.46 J**	3.8 U	3.8 U	3.1 U	3.1 U	3.1 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	7.4 U	1.5 U	1.5 U	3.7 U	3.7 U	3.0 U	3.0 U	3.0 U
Trichloroethane, 1,1,1-	0.7	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	**0.43 J**	5.4 U	**0.89 J**	**1.2**	2.7 U	2.7 U	2.2 U	2.2 U	2.2 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	5.4 U	1.1 U	1.1 U	2.7 U	2.7 U	2.2 U	2.2 U	2.2 U
Trichloroethene	0.5	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	5.4 U	**0.53 J**	1.1 U	2.7 U	2.7 U	2.2 U	2.2 U	2.2 U
Trichlorofluoromethane	6.1	**2.2**	**1.6**	**1.6**	**1.6**	**2.7**	**2.4**	**5.4 J**	**4.8**	**3.9**	**3.8**	**3.5**	**2.0 J**	**2.1 J**	**1.4 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	4.9 U	0.98 U	0.98 U	2.5 U	2.5 U	2.0 U	2.0 U	2.0 U
Trimethylbenzene, 1,2,4-	2.5	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	4.9 U	0.98 U	0.98 U	2.5 U	2.5 U	2.0 U	2.0 U	2.0 U
Trimethylbenzene, 1,3,5-	1	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	4.9 U	0.98 U	0.98 U	2.5 U	2.5 U	2.0 U	2.0 U	2.0 U
Trimethylpentane, 2,2,4-	2	0.93 U	0.93 UJ	0.93 U	0.93 U	0.93 U	0.93 U	4.7 U	0.93 U	0.93 U	2.3 U	2.3 U	1.9 U	1.9 U	1.9 U
Undecane, n-	2.3	1.3 U	**0.50 J**	1.3 U	1.3 U	1.3 U	1.3 U	6.4 U	1.3 U	1.3 U	3.2 U	3.2 U	2.6 U	**1.2 J**	2.6 U
Vinyl bromide	NE	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	2.2 U	2.2 U	1.8 U	1.8 U	1.8 U
Vinyl chloride	<0.25	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	1.3 U	1.3 U	1.0 U	1.0 U	1.0 U
Other (%)															
Carbon Dioxide	NE	**2.15**	**2.08**	**2.43**	**2.23**	**3.94**	**5.62**	**8.24**	**8.3**	**9.06**	**6.7**	**7.33**	**7.21**	**7.18**	**4.26**
Helium	NE	**0.016**	**0.0176**	**0.0188**	**0.0147**	0.0193 U	**0.0181**	0.0209 U	**0.18**	0.0218 U	0.0176 U	0.00316 U	0.0165 U	0.0166 U	0.0167 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-19 1/14/2010	OU2SG-19 2/23/2010	Duplicate of: OU2SG-19 2/23/2010	OU2SG-19 3/19/2010	OU2SG-19 4/19/2010	Duplicate of: OU2SG-19 4/19/2010	OU2SG-19 6/9/2010	OU2SG-19 9/20/2010	Duplicate of: OU2SG-19 9/20/2010	OU2SG-20 3/18/2009	OU2SG-20A 3/31/2009	OU2SG-20P 3/31/2009	OU2SG-20A 4/1/2009
BTEX (ug/m^3)														
Benzene	5.8	0.64 U	**0.38 J**	**0.38 J**	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	**8.9**	**3.9**	**1.7**	**2.8 J**
Toluene	21	**0.41 J**	1.5 U	1.5 U	1.5 U	1.5 U	**0.45 J**	1.5 U	**0.38 J**	1.5 U	**3.3**	**0.47 J**	**0.54 J**	**0.43 J**
Ethylbenzene	1.9	0.87 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	**4.0**	**0.74 J**	**0.49 J**	**0.48 J**
Xylene, m,p-	3.1	1.7 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	**2.9**	**0.37 J**	3.5 U	1.7 U
Xylene, o-	2.5	0.87 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	**2.3**	**1.5**	**0.97 J**	**0.89 J**
Other VOCs (ug/m^3)														
Acetaldehyde	NE	4.5 UJ	9.0 UJ	9.0 UJ	9.0 UJ	9.0 UJ	9.0 UJ	**7.5 J**	**8.1 J**	**21**	1.8 UJ	1.8 UJ	3.6 UJ	1.8 UJ
Acetone	58	2.4 UJ	4.8 UJ	4.8 UJ	3.6 UJ	**3.7 J**	4.8 U	**2.9 J**	**5.8 JB**	**10 J**	1.8 UJ	1.8 UJ	3.6 UJ	1.8 UJ
Acrolein (propenal)	NE	1.2 U	2.3 U	2.3 U	2.3 UJ	2.3 U	2.3 U	2.3 U	2.3 U	**0.69 J**	0.46 U	0.46 U	0.92 U	0.46 U
Allyl chloride	NE	0.63 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	0.63 U	0.63 U	1.2 U	0.63 U
Benzothiophene	NE	1.1 UJ	2.2 U	2.2 U	2.2 UJ	2.2 U	2.2 U	2.2 U	5.5 U	5.5 U	1.1 U	2.7 U	5.5 U	2.7 U
Bromodichloromethane	NE	1.3 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	1.3 U	1.3 U	2.7 U	1.3 U
Bromoform	NE	2.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	2.1 U	2.1 U	4.1 U	2.1 U
Bromomethane	0.9	0.78 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.78 U	0.78 U	1.6 U	0.78 U
Butadiene, 1,3-	NE	0.44 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	**0.24 J**	0.44 UJ	0.88 UJ	0.44 UJ
Butane	NE	**650**	**30**	**31**	**3.2**	0.95 UJ	**2.2 J**	0.95 U	0.95 U	**1.8**	**50**	**20**	**18**	**15 J**
Butanone, 2-	17	0.59 U	1.2 U	1.2 U	1.2 UJ	**1.8**	1.2 U	**0.65 J**	**0.53 J**	**1.7**	**3.7**	0.59 U	1.2 U	0.59 U
Carbon disulfide	NE	**0.19 J**	1.2 U	1.2 U	1.2 U	**0.56 J**	**0.56 J**	**1.6**	**0.37 J**	**0.56 J**	**9.0**	1.1 U	1.2 U	1.1 U
Carbon tetrachloride	1	1.3 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1.3 U	1.3 U	2.5 U	1.3 U
Chlorobenzene	<0.25	0.92 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.92 U	0.92 U	1.8 U	0.92 U
Chloroethane	0.4	0.53 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	0.53 U	0.53 U	1.0 U	0.53 U
Chloroform	0.5	**1.3**	**6.0**	**6.2**	**6.0**	**14**	**14**	**7.4**	**6.6**	**7.2**	**49**	**46**	**60**	**42 J**
Chloromethane	4.6	0.41 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	**0.50**	**0.28 J**	**0.41 J**	**0.32 J**
Chlorotoluene, 2-	NE	1.0 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	1.0 U	1.0 U	2.1 U	1.0 U
Cryofluorane	1.3	1.4 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	1.4 U	1.4 U	2.8 U	1.4 U
Cyclohexane	3	**0.79**	1.4 U	1.4 U	1.4 U	1.4 UJ	1.4 UJ	1.4 U	1.4 U	1.4 U	**5.3**	**0.72**	1.4 U	**0.48 J**
Decane, n-	3.6	1.2 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	**31**	1.2 U	2.3 U	1.2 U
Dibromochloromethane	NE	1.7 U	3.4 U	3.4 U	3.4 U	3.4 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
Dibromoethane, 1,2-	<0.25	1.5 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	1.5 U	1.5 U	3.1 U	1.5 U
Dichlorobenzene, 1,2-	0.9	1.2 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	1.2 U	1.2 U	2.4 U	1.2 U
Dichlorobenzene, 1,3-	0.7	1.2 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	1.2 U	1.2 U	2.4 U	1.2 U
Dichlorobenzene, 1,4-	0.8	1.2 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	1.2 U	1.2 U	2.4 U	1.2 U
Dichlorodifluoromethane	11	**2.2**	**2.8**	**2.9**	**2.5**	**2.8**	**2.8**	**5.5**	**11**	**12**	**3.1**	**5.0**	**5.3**	**4.2 J**
Dichloroethane, 1,1-	<0.25	0.81 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.81 U	0.81 U	1.6 U	0.81 U
Dichloroethane, 1,2-	<0.25	0.81 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.81 U	0.81 U	1.6 U	0.81 U
Dichloroethene, 1,1-	<0.25	0.79 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.79 U	0.79 U	1.6 U	0.79 U
Dichloroethene, cis-1,2-	<0.25	0.79 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	**1.4**	**1.4**	**0.56 J**	**1.0 J**
Dichloropropane, 1,2-	<0.25	0.92 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.92 U	0.92 U	1.8 U	0.92 U
Dichloropropene, cis-1,3	<0.25	0.91 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.91 U	0.91 U	1.8 U	0.91 U
Dichloropropene, trans-1,3	<0.25	0.91 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.91 U	0.91 U	1.8 U	0.91 U
Dioxane, 1,4-	NE	0.72 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	**1.0 J**	0.72 U	0.72 U	1.4 U	0.72 U
Dodecane, n-	7.6	1.4 UJ	2.8 U	2.8 U	**0.97 J**	2.8 U	**2.0 J**	2.8 U	**2.1 J**	**0.70 J**	**6.8 J**	3.5 UJ	**1.1 J**	3.5 UJ
Ethanol	220	**0.64 J**	**1.5 J**	**1.1 J**	3.8 U	**0.98 J**	3.8 U	**3.4 J**	**1.7 J**	**2.7 J**	**4.8**	**1.7 J**	**3.6 J**	**0.81 J**
Ethylthiophene, 2-	NE	0.92 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.92 U	0.92 U	1.8 U	0.92 U
Ethyltoluene, p-	NE	0.98 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.98 U	0.98 U	2.0 U	0.98 U
Heptane, n-	5.1	0.82 U	1.6 U	1.6 U	1.6 U	1.6 U	**0.98 J**	1.6 U	1.6 U	1.6 U	**7.9 J**	**0.97**	**0.57 J**	**0.44 J**
Hexachlorobutadiene	7	2.1 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	2.1 U	2.1 U	4.3 U	2.1 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-19 1/14/2010	OU2SG-19 2/23/2010	Duplicate of: OU2SG-19 2/23/2010	OU2SG-19 3/19/2010	OU2SG-19 4/19/2010	Duplicate of: OU2SG-19 4/19/2010	OU2SG-19 6/9/2010	OU2SG-19 9/20/2010	Duplicate of: OU2SG-19 9/20/2010	OU2SG-20 3/18/2009	OU2SG-20A 3/31/2009	OU2SG-20P 3/31/2009	OU2SG-20A 4/1/2009
Hexane, n-	3.6	0.70 U	1.4 U	1.4 U	1.4 U	1.4 UJ	**1.1 J**	1.4 U	1.4 U	1.4 U	**11**	**1.5**	**1.5**	**1.3 J**
Hexanone, 2-	NE	0.82 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.82 U	2.0 U	4.1 U	2.0 U
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	0.97 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	**4.0**	**3.4**	**2.6**	**2.2 J**
Indene	NE	0.95 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 UJ	1.9 U	1.9 U	0.95 U	0.95 U	1.9 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	1.4 U	1.4 U	1.4 UJ	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.72 U	0.72 U	1.4 U	0.72 U
Methyl-2-pentanone, 4-	2.9	0.82 U	1.6 U	1.6 U	1.6 U	1.6 UJ	1.6 UJ	1.6 U	1.6 U	1.6 U	0.82 U	0.82 U	1.6 U	0.82 U
Methylene chloride	2.9	1.7 U	**0.90 J**	3.5 U	3.5 U	3.5 U	**0.90 J**	**3.5**	6.9 U	6.9 U	1.8 U	1.7 U	3.5 U	1.7 U
Methylnaphthalene, 1-	NE	1.2 U	2.3 U	2.3 U	2.3 U	**2.9 J**	5.8 U	5.8 U	5.8 U	5.8 U	1.2 U	2.9 UJ	5.8 UJ	2.9 UJ
Methylnaphthalene, 2-	NE	1.2 U	2.3 U	2.3 U	2.3 UJ	**9.0 J**	5.8 UJ	5.8 U	5.8 U	5.8 U	1.2 U	2.9 UJ	5.8 UJ	2.9 UJ
Methylthiophene, 2-	NE	0.80 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.80 U	0.80 U	1.6 U	0.80 U
Methylthiophene, 3-	NE	0.80 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.80 U	0.80 U	1.6 U	0.80 U
Naphthalene	10	1.0 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	1.0 UJ	1.0 U	2.1 U	1.0 U
Nonane	1.2	1.0 U	2.1 U	2.1 U	2.1 U	2.1 U	**0.63 J**	2.1 U	2.1 U	2.1 U	**11**	1.0 U	2.1 U	1.0 U
Octane, n-	2.1	0.93 U	1.9 U	1.9 U	1.9 U	1.9 U	**0.93 J**	1.9 U	1.9 U	1.9 U	**31**	**0.74 J**	**0.56 J**	**0.32 J**
Pentane	NE	**35**	**3.6**	**3.7**	1.2 U	1.2 U	**2.0**	1.2 U	1.2 U	1.2 U	**42**	**8.4**	**7.6**	**5.8 J**
Propanol, 2-	NE	1.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1.2 UJ	1.2 U	2.5 U	1.2 U
Propylbenzene, n-	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.6	0.85 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	**0.98**	0.85 U	1.7 U	0.85 U
t-Butyl alcohol	NE	0.61 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	**0.61 J**	**0.53 J**	0.61 U	1.2 U	**0.15 J**
Tetrachloroethane, 1,1,2,2-	<0.25	1.4 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	1.4 U	1.4 U	2.7 U	1.4 U
Tetrachloroethene	1.6	1.4 U	2.7 U	2.7 U	2.7 U	2.7 U	**0.95 J**	**2.6 J**	**3.1**	**2.8**	**0.64 J**	**0.87 J**	2.7 U	**0.62 J**
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	1.1 U	2.2 U	2.2 U	2.2 UJ	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	**27**	**92 J**	**95**	**95 J**
Thiophene	NE	0.69 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	0.69 U	0.69 U	1.4 U	0.69 U
Trans-1,2-dichloroethene	NE	0.79 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.79 U	0.79 U	1.6 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	1.5 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	**0.57 J**	**0.62 J**	3.1 U	**0.60 J**
Trichlorobenzene, 1,2,4-	4.8	1.5 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	1.5 U	1.5 U	3.0 U	1.5 U
Trichloroethane, 1,1,1-	0.7	1.1 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	**0.65 J**	**0.65 J**	1.1 U	1.1 U	2.2 U	1.1 U
Trichloroethane, 1,1,2-	<0.25	1.1 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	1.1 U	1.1 U	2.2 U	1.1 U
Trichloroethene	0.5	1.1 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	**0.56 J**	**0.51 J**	2.2 U	1.1 U
Trichlorofluoromethane	6.1	**1.1**	**1.7 J**	**1.5 J**	**1.4 J**	**1.7 J**	**1.7 J**	**1.8 J**	**1.8 J**	**2.0 J**	**3.3**	**6.6**	**6.8**	**5.6 J**
Trimethylbenzene, 1,2,3-	0.6	0.98 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**2.3**	**29**	**23**	**22 J**
Trimethylbenzene, 1,2,4-	2.5	0.98 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**18**	0.98 U	2.0 U	0.98 U
Trimethylbenzene, 1,3,5-	1	0.98 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**15**	**56**	**33**	**40 J**
Trimethylpentane, 2,2,4-	2	0.93 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	0.93 UJ	**4.8 J**	1.9 U	0.93 U
Undecane, n-	2.3	1.3 UJ	2.6 U	2.6 U	2.6 U	2.6 U	**1.4 J**	2.6 U	2.6 U	2.6 U	**11**	1.3 UJ	2.6 U	1.3 UJ
Vinyl bromide	NE	0.87 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.87 U	0.87 U	1.8 U	0.87 U
Vinyl chloride	<0.25	0.51 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	0.51 U	0.51 U	1.0 U	0.51 U
Other (%)														
Carbon Dioxide	NE	**4.01**	**5.79**	**5.78**	**6.43**	**5.55**	**5.5**	**7.94**	**12**	**11.9**	NA	**0.773**	**1.12**	**3.5**
Helium	NE	0.018 U	0.0193 U	0.017 U	0.0163 U	0.0168 U	0.0179 U	0.0173 U	0.0187 U	0.0182 U	**0.585**	**0.078**	0.0174 U	**0.017**

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	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	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
BTEX (ug/m^3)															
Benzene	5.8	**0.77**	**1.4**	**0.84**	**2.9**	**2.6**	**1.1**	**1.3**	**0.56 J**	**0.34 J**	0.64 U	**0.72**	**0.87**	**0.26 J**	1.6 U
Toluene	21	**0.36 J**	**0.52 J**	**0.57 J**	**0.57 J**	**0.64 J**	**0.45 J**	**0.49 J**	**0.75 J**	**0.54 J**	**1.5**	**1.4**	**4.5**	**1.2**	1.9 U
Ethylbenzene	1.9	**0.38 J**	**0.49 J**	**0.44 J**	**0.66 J**	**0.61 J**	**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
Xylene, m,p-	3.1	1.7 U	1.7 U	**0.49 J**	1.7 U	1.7 U	**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
Xylene, o-	2.5	**0.69 J**	**0.84 J**	**0.83 J**	**1.1**	**1.1**	**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
Other VOCs (ug/m^3)															
Acetaldehyde	NE	3.6 UJ	3.6 UJ	3.6 UJ	3.6 UJ	3.6 UJ	3.6 UJ	3.6 UJ	4.5 UJ	4.5 UJ	4.5 UJ	6.0 U	**15 J**	**15**	4.7 U
Acetone	58	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ	**3.7 J**	1.8 UJ	2.6 U	2.7 U	**12 J**	**20**	3.1 U
Acrolein (propenal)	NE	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 U	**0.45 J**	**3.5**	1.2 U	2.9 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	1.6 U
Benzothiophene	NE	14 UJ	14 UJ	14 UJ	14 UJ	14 UJ	14 UJ	14 UJ	14 U	14 UJ	1.1 U	1.1 U	1.1 UJ	1.1 UJ	2.7 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	3.4 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 UJ	2.1 U	2.1 U	5.2 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	1.9 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	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	1.1 U
Butane	NE	**9.7**	**10**	**7.7**	**11**	**11**	**7.0**	**4.7**	**2.8**	**6.6**	**1.4**	**1.7**	**2.1**	**0.76**	1.2 U
Butanone, 2-	17	**0.48 J**	**0.55 J**	**0.28 J**	**0.95**	**0.50 J**	**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
Carbon disulfide	NE	0.73 U	**1.2**	0.92 U	**1.9**	**2.4**	0.72 U	1.5 U	**2.7**	**4.6**	**13**	**30**	**40 J**	**9.0**	1.6 U
Carbon tetrachloride	1	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
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	2.3 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	1.3 U
Chloroform	0.5	**46**	**50**	**50**	**43**	**40**	**42**	**25**	**15**	**14**	**7.8**	**8.4**	**6.9**	**6.8**	**3.0**
Chloromethane	4.6	**0.26 J**	**0.33 J**	**0.34 J**	**0.29 J**	**0.27 J**	**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
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	2.6 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 J**	3.5 U
Cyclohexane	3	**0.21 J**	**0.25 J**	**0.32 J**	**0.59 J**	**0.58 J**	**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
Decane, n-	3.6	1.2 U	1.2 U	**2.0**	1.2 U	1.2 U	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
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	4.3 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	3.8 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	3.0 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	3.0 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	3.0 U
Dichlorodifluoromethane	11	**4.4**	**4.7**	**5.3**	**5.7**	**5.1**	**4.7**	**5.3**	**4.4**	**5.6**	**1.7**	**2.4**	**7.1**	**6.9**	**4.7**
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	2.0 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	2.0 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	2.0 U
Dichloroethene, cis-1,2-	<0.25	**0.29 J**	**0.56 J**	**0.45 J**	**1.3**	**1.5**	**0.67 J**	**1.2**	**1.1**	**1.3**	**0.52 J**	**0.41 J**	0.79 U	0.79 U	2.0 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	2.3 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	2.3 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	2.3 U
Dioxane, 1,4-	NE	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
Dodecane, n-	7.6	1.4 UJ	1.4 UJ	1.4 UJ	1.4 UJ	1.4 UJ	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
Ethanol	220	**0.71 J**	**1.2 J**	**1.0 J**	**7.5**	**0.62 J**	**1.7 J**	**0.56 J**	**0.78 J**	**55**	1.9 U	2.1 U	**6.1**	**1.5 J**	4.7 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	0.92 U	2.3 U
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	**0.38 J**	0.98 U	2.5 U
Heptane, n-	5.1	**0.37 J**	0.82 U	**2.6**	**0.90**	**1.3**	**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
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	5.3 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	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	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
Hexane, n-	3.6	**0.74**	**0.68 J**	**0.81**	**0.92**	**0.74**	**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
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	2.0 U
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	**2.0**	**2.4**	**2.5**	**3.4**	**3.2**	**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
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 UJ	0.95 U	0.95 U	2.4 U
Isopropyl benzene	0.4	NA	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 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
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 U	0.82 U	0.82 U	2.0 U
Methylene chloride	2.9	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.8 U	**0.52 J**	1.7 U	1.7 UJ	**0.87 J**	4.3 U
Methylnaphthalene, 1-	NE	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	1.2 U	1.2 U	**0.83 J**	1.2 U	2.9 U
Methylnaphthalene, 2-	NE	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	1.2 U	1.2 U	**1.5 J**	1.2 U	2.9 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	0.80 U	0.80 U	2.0 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	2.0 U
Naphthalene	10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	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
Nonane	1.2	1.0 U	1.0 U	**0.79 J**	1.0 U	1.0 U	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
Octane, n-	2.1	**0.43 J**	**0.35 J**	**0.57 J**	0.93 U	0.93 U	**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
Pentane	NE	**3.7**	**3.8**	**2.7**	**4.6**	**4.6**	**2.8**	**1.9**	**1.1**	**1.8**	**0.50 J**	**0.56 J**	**2.2**	**0.27 J**	1.5 U
Propanol, 2-	NE	0.49 U	0.49 UJ	0.49 U	0.49 U	0.49 UJ	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
Propylbenzene, n-	0.5	NA	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	**0.61 J**	0.85 U	2.1 U
t-Butyl alcohol	NE	**0.22 J**	**0.20 J**	**0.21 J**	**0.22 J**	**0.27 J**	**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
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	3.4 U
Tetrachloroethene	1.6	**0.68 J**	**0.79 J**	**0.89 J**	**1.0 J**	**1.1 J**	**0.95 J**	**1.2 J**	**0.92 J**	**1.2 J**	**2.2**	**4.3**	**3.7**	**3.9**	**2.2 J**
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	**100 J**	**130 J**	**140 J**	**320 J**	**230 J**	**190 J**	**110 J**	**11 J**	**4.8 J**	**0.49 J**	**0.47 J**	**0.69 J**	1.1 UJ	2.7 UJ
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	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	1.7 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	2.0 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	**0.72 J**	**0.75 J**	**0.83 J**	**0.85 J**	**0.84 J**	**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
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	3.7 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	**0.37 J**	**0.42 J**	**0.33 J**	2.7 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	2.7 U
Trichloroethene	0.5	1.1 U	1.1 U	1.1 U	**0.42 J**	**0.48 J**	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
Trichlorofluoromethane	6.1	**5.4**	**6.0**	**8.0**	**7.7**	**8.2**	**8.5**	**8.4**	**7.6**	**10**	**6.3**	**9.5**	**7.7**	**6.0**	**3.6**
Trimethylbenzene, 1,2,3-	0.6	**19**	**21**	**23**	**26**	**23**	**22**	**11**	**0.56 J**	0.98 U	0.98 U	0.98 U	**0.50 J**	0.98 U	2.5 U
Trimethylbenzene, 1,2,4-	2.5	**0.35 J**	**0.35 J**	**0.48 J**	**0.46 J**	0.98 U	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
Trimethylbenzene, 1,3,5-	1	**22**	**33**	**30**	**44**	**42**	**30**	**12**	**0.43 J**	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	2.5 U
Trimethylpentane, 2,2,4-	2	0.93 U	0.93 U	**2.3 J**	**3.0 J**	**3.4 J**	**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
Undecane, n-	2.3	1.3 UJ	1.3 UJ	1.3 UJ	1.3 UJ	1.3 UJ	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
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	2.2 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	1.3 U
Other (%)															
Carbon Dioxide	NE	**4.17**	**4.33**	**5.09**	**10.5**	**5.3**	**8.73**	**5.42**	**5.24**	**6.07**	**5.4**	**5.9**	**5.1**	**4.09**	**2.48**
Helium	NE	**0.0165**	**0.0209**	**0.0192**	**0.0197**	**0.0191**	**0.0164**	**0.0182**	**0.0189**	**0.0186**	0.0217 U	**0.0194**	0.0201 U	0.0263 U	0.0166 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-20 10/14/2009	OU2SG-20 11/17/2009	OU2SG-20 1/14/2010	OU2SG-20 2/23/2010	OU2SG-20 3/19/2010	OU2SG-20 4/19/2010	OU2SG-20 6/9/2010	OU2SG-20 9/20/2010	OU2SG-21 3/19/2009	OU2SG-21 6/16/2009	OU2SG-21 9/22/2009	OU2SG-21 12/28/2009	OU2SG-21 3/19/2010	Duplicate of: OU2SG-21 3/19/2010
BTEX (ug/m^3)															
Benzene	5.8	1.6 U	1.3 U	**0.67**	**0.38 J**	1.3 U	1.3 U	1.3 U	1.3 U	0.64 U	0.64 U	1.6 U	1.3 U	1.3 U	1.3 U
Toluene	21	1.9 U	1.5 U	**0.45 J**	1.5 U	1.5 U	**0.53 J**	**0.44 J**	**0.60 J**	**0.46 J**	**4.6**	**2.5**	**0.75 J**	**0.75 J**	**0.60 J**
Ethylbenzene	1.9	2.2 U	1.7 U	0.87 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	0.87 U	**0.34 J**	**0.54 J**	1.7 U	1.7 U	1.7 U
Xylene, m,p-	3.1	4.3 U	3.5 U	1.7 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	**0.28 J**	**0.81 J**	**1.7 J**	3.5 U	3.5 U	3.5 U
Xylene, o-	2.5	2.2 U	1.7 U	0.87 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	0.87 U	**0.35 J**	2.2 U	1.7 U	1.7 U	1.7 U
Other VOCs (ug/m^3)															
Acetaldehyde	NE	4.5 U	9.0 U	4.5 U	**3.6 J**	9.0 U	**5.0 J**	**4.1 J**	**23**	1.8 U	**10 J**	4.5 U	9.0 U	9.0 U	9.0 U
Acetone	58	4.5 U	**1.1 J**	**0.78 J**	**1.7 J**	**1.7 J**	**2.0 J**	4.8 U	**13**	2.4 U	6.3 U	3.3 U	**1.6 J**	**1.4 J**	**1.6 J**
Acrolein (propenal)	NE	2.9 U	2.3 U	1.2 U	2.3 U	2.3 UJ	2.3 U	2.3 U	**0.73 J**	0.46 U	**2.8 J**	2.9 U	2.3 UJ	2.3 UJ	2.3 UJ
Allyl chloride	NE	1.6 U	1.2 U	0.63 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.63 U	0.63 U	1.6 U	1.2 U	1.2 U	1.2 U
Benzothiophene	NE	2.7 U	2.2 UJ	1.1 UJ	2.2 U	2.2 UJ	2.2 U	2.2 U	5.5 U	1.1 U	1.1 U	2.7 U	2.2 U	2.2 UJ	2.2 UJ
Bromodichloromethane	NE	3.4 U	2.7 U	1.3 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	1.3 U	1.3 U	3.4 U	2.7 U	2.7 U	2.7 U
Bromoform	NE	5.2 U	4.1 U	2.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	2.1 U	2.1 U	5.2 U	4.1 U	4.1 U	4.1 U
Bromomethane	0.9	1.9 U	1.6 U	0.78 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.78 U	0.78 U	1.9 U	1.6 U	1.6 U	1.6 U
Butadiene, 1,3-	NE	1.1 U	0.88 U	0.44 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.44 U	0.44 U	1.1 U	0.88 U	0.88 U	0.88 U
Butane	NE	1.2 U	0.95 U	**2.4**	0.95 U	0.95 U	0.95 U	**0.68 J**	**0.71 J**	**0.19 J**	**0.32 J**	1.2 U	0.95 U	0.95 U	0.95 U
Butanone, 2-	17	1.5 U	1.2 U	0.59 U	1.2 U	1.2 UJ	1.2 U	1.2 U	**2.5**	0.59 U	**1.7**	1.5 U	1.2 U	1.2 UJ	1.2 UJ
Carbon disulfide	NE	1.6 U	**0.93 J**	**0.37 J**	1.2 U	1.2 U	**1.8**	**0.77 J**	**1.5**	0.62 U	**6.4**	1.6 U	**1.4**	**22**	**22**
Carbon tetrachloride	1	3.1 U	2.5 U	**0.31 J**	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1.3 U	1.3 U	3.1 U	2.5 U	2.5 U	2.5 U
Chlorobenzene	<0.25	2.3 U	1.8 U	0.92 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.92 U	0.92 U	2.3 U	1.8 U	1.8 U	1.8 U
Chloroethane	0.4	1.3 U	1.0 U	0.53 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.53 U	0.53 U	1.3 U	1.0 U	1.0 U	1.0 U
Chloroform	0.5	**2.1 J**	**1.7 J**	0.98 U	2.0 U	**0.59 J**	**1.1 J**	**5.0**	**3.0**	**2.3**	**1.1**	**2.2 J**	**0.98 J**	**1.3 J**	**1.3 J**
Chloromethane	4.6	1.0 U	0.83 U	**0.14 J**	0.83 U	0.83 U	**0.54 J**	0.83 U	0.83 U	0.41 U	**0.16 J**	1.0 U	0.83 U	0.83 U	0.83 U
Chlorotoluene, 2-	NE	2.6 U	2.1 U	1.0 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	1.0 U	1.0 U	2.6 U	2.1 U	2.1 U	2.1 U
Cryofluorane	1.3	3.5 U	2.8 U	1.4 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	1.4 U	1.4 U	3.5 U	2.8 U	2.8 U	2.8 U
Cyclohexane	3	1.7 U	1.4 U	0.69 U	1.4 U	1.4 U	1.4 UJ	1.4 U	1.4 U	0.69 U	0.69 U	1.7 U	1.4 UJ	1.4 U	1.4 U
Decane, n-	3.6	2.9 U	2.3 U	1.2 U	2.3 U	2.3 U	2.3 U	2.3 U	**0.70 J**	1.2 U	**2.7**	2.9 U	2.3 U	2.3 U	2.3 U
Dibromochloromethane	NE	4.3 U	3.4 U	1.7 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	1.7 U	1.7 U	4.3 U	3.4 U	3.4 U	3.4 U
Dibromoethane, 1,2-	<0.25	3.8 U	3.1 U	1.5 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	1.5 U	1.5 U	3.8 U	3.1 U	3.1 U	3.1 U
Dichlorobenzene, 1,2-	0.9	3.0 U	2.4 U	1.2 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	1.2 U	1.2 U	3.0 U	2.4 U	2.4 U	2.4 U
Dichlorobenzene, 1,3-	0.7	3.0 U	2.4 U	1.2 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	1.2 U	**0.82 J**	3.0 U	2.4 U	2.4 U	2.4 U
Dichlorobenzene, 1,4-	0.8	3.0 U	2.4 U	1.2 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	1.2 U	**0.70 J**	3.0 U	2.4 U	2.4 U	2.4 U
Dichlorodifluoromethane	11	**3.2**	**4.0**	**2.4**	**3.3**	**2.3**	**3.0**	**3.3**	**5.1**	**3.1**	**2.3**	**5.4**	**3.7**	**2.6**	**2.9**
Dichloroethane, 1,1-	<0.25	2.0 U	1.6 U	0.81 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.81 U	0.81 U	2.0 U	1.6 U	1.6 U	1.6 U
Dichloroethane, 1,2-	<0.25	2.0 U	1.6 U	0.81 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.81 U	0.81 U	2.0 U	1.6 U	1.6 U	1.6 U
Dichloroethene, 1,1-	<0.25	2.0 U	1.6 U	0.79 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.79 U	0.79 U	2.0 U	1.6 U	1.6 U	1.6 U
Dichloroethene, cis-1,2-	<0.25	2.0 U	1.6 U	0.79 U	1.6 U	1.6 U	1.6 U	**0.52 J**	1.6 U	**0.32 J**	0.79 U	2.0 U	1.6 U	1.6 U	1.6 U
Dichloropropane, 1,2-	<0.25	2.3 U	1.8 U	0.92 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.92 U	0.92 U	2.3 U	1.8 UJ	1.8 U	1.8 U
Dichloropropene, cis-1,3	<0.25	2.3 U	1.8 U	0.91 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.91 U	0.91 U	2.3 U	1.8 U	1.8 U	1.8 U
Dichloropropene, trans-1,3	<0.25	2.3 U	1.8 U	0.91 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.91 U	0.91 U	2.3 U	1.8 U	1.8 U	1.8 U
Dioxane, 1,4-	NE	1.8 U	1.4 U	0.72 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.72 U	0.72 UJ	1.8 U	1.4 UJ	1.4 U	1.4 U
Dodecane, n-	7.6	3.5 U	**0.97 J**	1.4 UJ	2.8 U	2.8 U	2.8 U	**1.8 J**	**2.9**	**0.68 J**	**5.6**	**1.2 J**	2.8 U	2.8 U	2.8 U
Ethanol	220	4.7 U	3.8 U	**1.0 J**	**0.94 J**	**1.0 J**	**1.3 J**	3.8 U	**4.4**	**2.9**	**6.0**	**2.2 J**	**3.0 J**	**1.3 J**	**1.3 J**
Ethylthiophene, 2-	NE	2.3 U	1.8 U	0.92 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.92 U	0.92 U	2.3 U	1.8 U	1.8 U	1.8 U
Ethyltoluene, p-	NE	2.5 U	2.0 U	0.98 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.98 U	0.98 U	2.5 U	2.0 U	2.0 U	2.0 U
Heptane, n-	5.1	2.0 U	1.6 U	0.82 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.82 U	0.82 U	2.0 U	1.6 U	1.6 U	1.6 U
Hexachlorobutadiene	7	5.3 U	4.3 U	2.1 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	2.1 U	2.1 U	5.3 U	4.3 U	4.3 U	4.3 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-20 10/14/2009	OU2SG-20 11/17/2009	OU2SG-20 1/14/2010	OU2SG-20 2/23/2010	OU2SG-20 3/19/2010	OU2SG-20 4/19/2010	OU2SG-20 6/9/2010	OU2SG-20 9/20/2010	OU2SG-21 3/19/2009	OU2SG-21 6/16/2009	OU2SG-21 9/22/2009	OU2SG-21 12/28/2009	OU2SG-21 3/19/2010	Duplicate of: OU2SG-21 3/19/2010
Hexane, n-	3.6	1.8 U	1.4 U	0.70 U	1.4 U	1.4 U	1.4 UJ	1.4 U	1.4 U	0.70 U	**0.21 J**	1.8 U	1.4 U	1.4 U	1.4 U
Hexanone, 2-	NE	2.0 U	1.6 U	0.82 U	1.6 U	1.6 U	1.6 U	1.6 U	**0.82 J**	0.82 U	**0.27 J**	2.0 U	1.6 U	1.6 U	1.6 U
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	2.4 U	1.9 U	0.97 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	0.97 U	**0.29 J**	2.4 U	1.9 U	1.9 U	1.9 U
Indene	NE	2.4 U	1.9 U	0.95 U	1.9 U	1.9 U	1.9 U	1.9 UJ	1.9 U	0.95 U	0.95 U	2.4 U	1.9 U	1.9 U	1.9 U
Isopropyl benzene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	5.9	1.8 U	1.4 U	0.72 U	1.4 U	1.4 UJ	1.4 U	1.4 U	1.4 U	0.72 U	0.72 U	1.8 U	1.4 U	1.4 UJ	1.4 UJ
Methyl-2-pentanone, 4-	2.9	2.0 U	1.6 U	0.82 U	1.6 U	1.6 U	1.6 UJ	1.6 U	1.6 U	0.82 U	**0.36 J**	2.0 U	1.6 UJ	1.6 U	1.6 U
Methylene chloride	2.9	4.3 U	3.5 U	**0.56 J**	3.5 U	3.5 U	**1.4 J**	**1.0 J**	**2.4 J**	1.7 U	1.7 U	4.3 U	**1.2 J**	3.5 U	3.5 U
Methylnaphthalene, 1-	NE	2.9 U	2.3 U	1.2 U	2.3 U	2.3 U	5.8 U	5.8 U	5.8 U	1.2 U	1.2 U	2.9 U	2.3 U	2.3 U	2.3 U
Methylnaphthalene, 2-	NE	2.9 U	2.3 UJ	1.2 U	2.3 U	2.3 UJ	5.8 UJ	5.8 U	5.8 U	1.2 U	**0.41 J**	2.9 U	2.3 U	2.3 UJ	2.3 UJ
Methylthiophene, 2-	NE	2.0 U	1.6 U	0.80 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.80 U	0.80 U	2.0 U	1.6 U	1.6 U	1.6 U
Methylthiophene, 3-	NE	2.0 U	1.6 U	0.80 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.80 U	0.80 U	2.0 U	1.6 U	1.6 U	1.6 U
Naphthalene	10	2.6 U	2.1 U	1.0 U	2.1 U	2.0 U	2.1 U	2.1 U	2.1 U	1.0 U	**0.85 J**	2.6 U	2.1 U	2.1 U	2.1 U
Nonane	1.2	2.6 U	2.1 U	1.0 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	1.0 U	**0.52 J**	2.6 U	2.1 U	2.1 U	2.1 U
Octane, n-	2.1	2.3 U	1.9 U	0.93 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	0.93 U	**0.64 J**	2.3 U	1.9 U	1.9 U	1.9 U
Pentane	NE	1.5 U	1.2 U	**0.91**	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.59 U	**1.1**	1.5 U	1.2 U	1.2 U	1.2 U
Propanol, 2-	NE	3.0 U	2.5 U	1.2 U	2.5 U	2.5 U	2.5 U	2.5 U	**0.84 J**	1.2 U	1.9 U	3.0 U	2.5 U	2.5 U	2.5 U
Propylbenzene, n-	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.6	2.1 U	1.7 U	0.85 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	0.85 U	**3.0**	2.1 U	1.7 U	1.7 U	1.7 U
t-Butyl alcohol	NE	1.5 U	1.2 U	0.61 U	1.2 U	1.2 U	1.2 U	1.2 U	**0.67 J**	**0.15 J**	**0.58 J**	1.5 U	1.2 U	1.2 U	1.2 U
Tetrachloroethane, 1,1,2,2-	<0.25	3.4 U	2.7 U	1.4 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	1.4 U	1.4 U	3.4 U	2.7 U	2.7 U	2.7 U
Tetrachloroethene	1.6	**1.2 J**	**0.95 J**	1.4 U	**0.95 J**	2.7 U	**0.81 J**	**3.5**	**2.2 J**	1.4 U	**0.49 J**	3.4 U	2.7 U	2.7 U	2.7 U
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	2.7 U	2.2 UJ	1.1 U	2.2 U	2.2 UJ	2.2 U	2.2 U	2.2 U	1.1 U	**0.29 J**	2.7 UJ	2.2 U	2.2 UJ	2.2 UJ
Thiophene	NE	1.7 U	1.4 U	0.69 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.69 U	0.69 U	1.7 U	1.4 UJ	1.4 U	1.4 U
Trans-1,2-dichloroethene	NE	2.0 U	1.6 U	0.79 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.79 U	0.79 U	2.0 U	1.6 U	1.6 U	1.6 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	3.8 U	3.1 U	**0.46 J**	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	**0.49 J**	**0.78 J**	3.8 U	3.1 U	3.1 U	3.1 U
Trichlorobenzene, 1,2,4-	4.8	3.7 U	3.0 U	1.5 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	1.5 U	1.5 U	3.7 U	3.0 U	3.0 U	3.0 U
Trichloroethane, 1,1,1-	0.7	2.7 U	2.2 U	1.1 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	**0.41 J**	**1.4**	**2.9**	2.2 U	2.2 U	2.2 U
Trichloroethane, 1,1,2-	<0.25	2.7 U	2.2 U	1.1 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	1.1 U	1.1 U	2.7 U	2.2 U	2.2 U	2.2 U
Trichloroethene	0.5	2.7 U	2.2 U	1.1 U	2.2 U	2.2 U	2.2 U	**0.59 J**	2.2 U	**0.38 J**	1.1 U	2.7 U	**5.5**	2.2 U	2.2 U
Trichlorofluoromethane	6.1	**2.5 J**	**2.5**	**1.3**	**1.8 J**	**1.8 J**	**2.1 J**	**2.5**	**2.5**	**2.8**	**6.9**	**7.4**	**3.1**	**3.4**	**3.6**
Trimethylbenzene, 1,2,3-	0.6	2.5 U	2.0 U	0.98 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.98 U	**0.42 J**	2.5 U	2.0 U	2.0 U	2.0 U
Trimethylbenzene, 1,2,4-	2.5	2.5 U	2.0 U	0.98 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.98 U	**0.92 J**	2.5 U	2.0 U	2.0 U	2.0 U
Trimethylbenzene, 1,3,5-	1	2.5 U	2.0 U	0.98 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.98 U	0.98 U	2.5 U	2.0 U	2.0 U	2.0 U
Trimethylpentane, 2,2,4-	2	2.3 U	1.9 U	0.93 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	0.93 U	0.93 U	2.3 U	1.9 U	1.9 U	1.9 U
Undecane, n-	2.3	3.2 U	2.6 U	1.3 UJ	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	**0.34 J**	**2.3**	3.2 U	2.6 U	2.6 U	2.6 U
Vinyl bromide	NE	2.2 U	1.8 U	0.87 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.87 U	0.87 U	2.2 U	1.8 U	1.8 U	1.8 U
Vinyl chloride	<0.25	1.3 U	1.0 U	0.51 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.51 U	0.51 U	1.3 U	1.0 U	1.0 U	1.0 U
Other (%)															
Carbon Dioxide	NE	**2.11**	**1.46**	**0.386**	**0.633**	**0.863**	**1.2**	**1.53**	**1.21**	NA	NA	**2.75**	NA	NA	NA
Helium	NE	0.00317 U	0.0159 U	0.0179 U	0.0153 U	0.0179 U	0.0153 U	0.0162 U	0.018 U	**0.025**	0.0199	0.0176 U	0.0168 U	0.017 U	**0.166**

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-21 6/9/2010	OU2SG-21 9/20/2010	OU2SG-22 3/27/2008	OU2SG-22 6/19/2008	OU2SG-22 9/23/2008	OU2SG-22 12/30/2008	OU2SG-22A 1/20/2009	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
BTEX (ug/m^3)															
Benzene	5.8	1.3 U	1.3 U	**1.0**	0.64 UJ	**0.83**	0.64 U	**0.72**	**0.49 J**	0.64 U	0.64 U	0.64 U	**0.26 J**	**0.43 J**	**0.72**
Toluene	21	**0.69 J**	**0.38 J**	**1.7**	**4.1**	**620**	**1.4**	**190**	**30**	**0.69 J**	**0.52 J**	**5.1**	**7.2**	**13**	**14**
Ethylbenzene	1.9	1.7 U	1.7 U	**0.42 J**	**0.22 J**	**8.6**	0.87 U	**2.2**	**1**	0.87 U	0.87 U	0.87 U	**0.22 J**	**0.24 J**	**0.26 J**
Xylene, m,p-	3.1	3.5 U	3.5 U	**1.4 J**	**0.65 J**	**32**	**0.86 J**	**7.6**	**3.6**	**0.33 J**	**0.35 J**	**0.54 J**	**0.70 J**	**0.90 J**	**0.84 J**
Xylene, o-	2.5	1.7 U	1.7 U	**0.54 J**	**0.26 J**	**14**	**0.30 J**	**2.6**	**1.5**	0.87 U	0.87 U	0.87 U	**0.27 J**	**0.34 J**	**0.31 J**
Other VOCs (ug/m^3)															
Acetaldehyde	NE	**6.6 J**	**17**	4.5 U	**6.0**	1.8 UJ	**3.6 J**	1.8 UJ	1.8 UJ	3.7 U	1.8 UJ	1.8 UJ	**2.1 J**	1.8 UJ	1.8 UJ
Acetone	58	**5.2**	**9.2 J**	4.9 U	**3.5**	0.47 UJ	3.4 U	**32**	**14**	2.6 U	1.6 U	2.9 U	3.4 U	**7.6**	**14**
Acrolein (propenal)	NE	2.3 U	2.3 U	1.2 U	**0.23 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
Allyl chloride	NE	1.2 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	0.63 U	0.63 U
Benzothiophene	NE	2.2 U	5.5 U	1.1 U	1.1 UJ	1.1 U	1.1 UJ	1.1 U	1.1 U	1.1 U	1.1 U	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ
Bromodichloromethane	NE	2.7 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	1.3 U	1.3 U	1.3 U
Bromoform	NE	4.1 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	2.1 U	2.1 U
Bromomethane	0.9	1.6 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	0.78 U	0.78 U
Butadiene, 1,3-	NE	0.88 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 U	0.44 U	0.44 U	0.44 U	0.44 U
Butane	NE	0.95 U	**1.8**	**0.50**	0.48 U	**4.2**	0.48 U	**0.53**	**1.7**	0.48 U	0.48 U	0.48 U	0.48 U	**1.9**	**3.9**
Butanone, 2-	17	**2.1**	**1.4**	**0.73 J**	**0.85**	**0.50 J**	0.59 U	**4.3**	**2.8**	**0.97**	0.59 U	0.59 U	0.59 U	**0.83**	**0.80**
Carbon disulfide	NE	**34**	**2.8**	**0.36 J**	0.84 U	**16**	**0.18 J**	**3.0**	0.62 U	0.62 U	0.62 U	0.62 U	**2.0**	0.68 U	0.62 U
Carbon tetrachloride	1	2.5 U	2.5 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	**0.56 J**	**2.0**	**2.4**	**2.3**	**4.5**	**4.5**	**3.6**
Chlorobenzene	<0.25	1.8 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	0.92 U	0.92 U
Chloroethane	0.4	1.0 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	0.53 U	0.53 U
Chloroform	0.5	**1.8 J**	**0.88 J**	**1.0**	**18**	**18**	**2.1**	**1.2**	**1.1**	**1.3**	**1.5**	**1.3**	**1.5**	**1.4**	**1.3**
Chloromethane	4.6	0.83 U	0.83 U	**0.44**	**0.25 J**	0.41 U	**0.17 J**	0.41 U	**0.28 J**	**0.25 J**	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U
Chlorotoluene, 2-	NE	2.1 U	2.1 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	1.0 U	1.0 U
Cryofluorane	1.3	2.8 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	1.4 U	1.4 U
Cyclohexane	3	1.4 U	1.4 U	0.69 U	0.69 U	**84**	0.69 U	**18**	**3.8**	**0.90**	**0.78**	**0.72**	**2.2**	**3.3**	**5.8**
Decane, n-	3.6	2.3 U	**1.5 J**	**3.0**	**11**	**1.3**	**1.2**	**2.4**	**5.1**	**0.58 J**	**0.72 J**	**0.55 J**	**1.3**	**0.48 J**	**0.42 J**
Dibromochloromethane	NE	3.4 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	1.7 U	1.7 U
Dibromoethane, 1,2-	<0.25	3.1 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	1.5 U	1.5 U
Dichlorobenzene, 1,2-	0.9	2.4 U	2.4 U	1.2 U	1.2 U	**0.60 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
Dichlorobenzene, 1,3-	0.7	2.4 U	2.4 U	**0.74 J**	**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
Dichlorobenzene, 1,4-	0.8	2.4 U	2.4 U	1.2 U	1.2 U	**2.0**	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	**3.9**	**5.5**	**2.0**	**2.5**	**2.5**	**2.5**	**2.9**	**2.9**	**2.4**	**2.4**	**2.2**	**1.7**	**1.7**	**1.5**
Dichloroethane, 1,1-	<0.25	1.6 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	0.81 U	0.81 U
Dichloroethane, 1,2-	<0.25	1.6 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	0.81 U	0.81 U
Dichloroethene, 1,1-	<0.25	1.6 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	0.79 U	0.79 U
Dichloroethene, cis-1,2-	<0.25	1.6 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	0.79 U	0.79 U
Dichloropropane, 1,2-	<0.25	1.8 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	0.92 U	0.92 U
Dichloropropene, cis-1,3	<0.25	1.8 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	0.91 U	0.91 U
Dichloropropene, trans-1,3	<0.25	1.8 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	0.91 U	0.91 U
Dioxane, 1,4-	NE	1.4 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	0.72 U	0.72 U
Dodecane, n-	7.6	**1.0 J**	**3.6**	**1.8**	**11 J**	**3.2**	**1.8 J**	**0.79 J**	**3.2**	1.4 U	**1.7**	1.4 U	**2.7**	**0.76 J**	**0.61 J**
Ethanol	220	**1.6 J**	**3.0 J**	**9.0**	**2.7**	**1.4 J**	**7.6**	**23**	**12**	**3.8**	**3.0**	**3.6**	**2.2**	**2.4**	**3.8**
Ethylthiophene, 2-	NE	1.8 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	0.92 U	0.92 U
Ethyltoluene, p-	NE	2.0 U	2.0 U	0.98 U	**0.29 J**	**0.88 J**	0.98 U	**0.45 J**	**0.3 J**	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Heptane, n-	5.1	1.6 U	1.6 U	**0.46 J**	0.82 U	**0.74 J**	0.82 U	**1.1**	**0.65 J**	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Hexachlorobutadiene	7	4.3 U	4.3 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 UJ	2.1 UJ	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-21 6/9/2010	OU2SG-21 9/20/2010	OU2SG-22 3/27/2008	OU2SG-22 6/19/2008	OU2SG-22 9/23/2008	OU2SG-22 12/30/2008	OU2SG-22A 1/20/2009	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
Hexane, n-	3.6	1.4 U	1.4 U	**0.28 J**	0.70 UJ	**14**	0.70 U	**2.0**	**0.84**	0.70 U	0.70 U	0.70 U	**0.33 J**	**0.99 J**	**4.0 J**
Hexanone, 2-	NE	1.6 U	1.6 U	0.82 U	**0.45 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
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	1.9 U	1.9 U	0.97 U	0.97 U	**0.63 J**	0.97 U	**0.32 J**	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U
Indene	NE	1.9 UJ	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	0.95 U	0.95 U
Isopropyl benzene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	5.9	1.4 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	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Methyl-2-pentanone, 4-	2.9	1.6 U	1.6 U	0.82 U	0.82 U	0.82 U	**0.77 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
Methylene chloride	2.9	**1.2 J**	**2.3 J**	**0.28 J**	1.7 U	0.69 U	1.7 U	0.69 U	0.86 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Methylnaphthalene, 1-	NE	5.8 U	5.8 U	1.2 U	2.9 UJ	**0.29 J**	R	5.8 UJ	5.8 UJ	5.8 U	5.8 U	5.8 U	**0.54 J**	5.8 UJ	5.8 UJ
Methylnaphthalene, 2-	NE	5.8 U	5.8 U	1.2 U	2.9 UJ	**0.58 J**	14 UJ	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	**1.4 J**	5.8 U	5.8 U
Methylthiophene, 2-	NE	1.6 U	1.6 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
Methylthiophene, 3-	NE	1.6 U	1.6 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
Naphthalene	10	2.1 U	2.1 U	1.0 U	**0.42 J**	**1.9**	1.0 UJ	**0.30 J**	1 U	1.0 U	1.0 U	1.0 U	**0.59 J**	1.0 U	1.0 U
Nonane	1.2	2.1 U	2.1 U	**0.30 J**	1.0 U	**0.31 J**	1.0 U	**2.8**	**1.5**	1.0 U	1.0 U	1.0 U	**0.32 J**	1.0 U	1.0 U
Octane, n-	2.1	1.9 U	1.9 U	**3.2**	**11**	**0.42 J**	0.93 U	**2.4**	**0.84 J**	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U
Pentane	NE	1.2 U	1.2 U	**0.51 J**	0.59 U	**0.56 J**	0.59 U	**0.59 J**	**2.5**	0.59 U	0.59 U	0.59 U	0.59 U	**3.9**	**9.3**
Propanol, 2-	NE	**1.2 J**	**0.79 J**	**1.6**	**0.59 J**	0.49 U	**1.1 J**	**3.7**	**2.6**	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Propylbenzene, n-	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.6	1.7 U	1.7 U	0.85 U	**0.30 J**	**3.6**	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
t-Butyl alcohol	NE	1.2 U	**0.36 J**	**0.39 J**	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-	<0.25	2.7 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	1.4 U	1.4 U
Tetrachloroethene	1.6	2.7 U	2.7 U	**1.4**	**5.4**	**14**	**1.0 J**	**1.8**	**0.79 J**	**0.56 J**	**0.77 J**	**0.60 J**	**0.75 J**	**0.79 J**	**0.76 J**
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	**0.75 J**	2.2 U	1.1 U	**0.66 J**	**3.0**	1.1 U	**0.57 J**	1.1 U	1.1 U	1.1 U	1.1 U	**1.6 J**	1.1 U	1.1 U
Thiophene	NE	1.4 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	0.69 U	0.69 U
Trans-1,2-dichloroethene	NE	1.6 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	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	3.1 U	3.1 U	1.5 U	**0.61 J**	**0.54 J**	**0.70 J**	**0.60 J**	**0.49 J**	1.5 U	**0.41 J**	**0.46 J**	1.5 U	1.5 U	1.5 U
Trichlorobenzene, 1,2,4-	4.8	3.0 U	3.0 U	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
Trichloroethane, 1,1,1-	0.7	**1.4 J**	**2.2**	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
Trichloroethane, 1,1,2-	<0.25	2.2 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	1.1 U	1.1 U
Trichloroethene	0.5	2.2 U	2.2 U	1.1 U	1.1 U	1.1 U	**0.37 J**	1.1 U	**0.78 J**	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichlorofluoromethane	6.1	**6.8**	**7.5**	**1.1 J**	**1.4**	**1.2**	**2.4**	**1.8**	**1.6**	**1.6**	**1.5**	**1.4**	**1.1 J**	**1.1 J**	**0.97 J**
Trimethylbenzene, 1,2,3-	0.6	2.0 U	2.0 U	**0.72 J**	**0.74 J**	**1.2**	**0.31 J**	**0.48 J**	**0.35 J**	0.98 U	0.98 U	0.98 U	**0.37 J**	0.98 U	0.98 U
Trimethylbenzene, 1,2,4-	2.5	2.0 U	2.0 U	0.98 U	0.98 U	**3.3**	0.98 U	**1.2**	**1**	0.98 U	0.98 U	0.98 U	**0.73 J**	0.98 U	0.98 U
Trimethylbenzene, 1,3,5-	1	2.0 U	2.0 U	**0.36 J**	**0.49 J**	**0.98**	0.98 U	**0.61 J**	**0.39 J**	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Trimethylpentane, 2,2,4-	2	1.9 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	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U
Undecane, n-	2.3	2.6 U	2.6 U	**1.0 J**	**1.2 J**	1.3 UJ	1.3 U	**1.2 J**	**8.9**	1.3 U	**1.2 J**	**0.45 J**	**2.9**	**0.38 J**	**1.0 J**
Vinyl bromide	NE	1.8 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	0.87 U	0.87 U
Vinyl chloride	<0.25	1.0 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	0.51 U	0.51 U
Other (%)															
Carbon Dioxide	NE	NA	**2.01**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NE	0.0187 U	0.0171 U	NA	0.0185 U	0.0182 U	**0.0171**	**0.0161**	**0.0161**	**0.016**	**0.022**	**0.016**	**0.0163**	**0.0152**	**0.0176**

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	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	OU2SG-22 8/26/2009	OU2SG-22 9/23/2009	OU2SG-22 10/19/2009	OU2SG-22 11/18/2009	OU2SG-22 12/28/2009
BTEX (ug/m^3)															
Benzene	5.8	**1.6**	**1.6**	**2.1 J**	**0.86 J**	**0.53 J**	**0.56 J**	**0.98**	1.2 U	**2.5 J**	**1.6 J**	1.6 U	1.6 U	1.3 U	**0.38 J**
Toluene	21	**21**	**43**	**64 J**	**44**	**140**	**180**	**250**	**260**	**710 J**	**370**	**39**	**25**	**25**	**32**
Ethylbenzene	1.9	**0.66 J**	**1.0**	**2.8**	4.3 U	**2.3 J**	**3.2**	**3.8**	**5.0**	**16 J**	**9.1**	**4.2**	**1.4 J**	**1.0 J**	**1.5 J**
Xylene, m,p-	3.1	**1.7 J**	**2.5**	**5.6**	**3.2 J**	**8.5**	**12**	**9.4**	**17**	**52 J**	**27**	**13**	**4.4**	**3.6**	**4.1**
Xylene, o-	2.5	**0.60 J**	**1.1**	**3.0**	**1.2 J**	**3.3**	**5.0**	**3.4**	**7.2**	**25 J**	**14**	**6.7**	**2.4**	**1.9**	**2.1**
Other VOCs (ug/m^3)															
Acetaldehyde	NE	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**	22 U	8.2 U	4.5 U	9.0 U	9.0 U
Acetone	58	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**	13 UJ	3.6 U	4.5 U	**1.2 J**	3.6 UJ
Acrolein (propenal)	NE	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**	5.7 U	2.9 U	2.9 U	2.3 U	2.3 U
Allyl chloride	NE	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	3.1 U	1.6 U	1.6 U	1.2 U	1.2 U
Benzothiophene	NE	1.1 U	1.1 U	1.1 U	14 U	2.7 U	14 UJ	1.1 U	**1.3**	1.1 UJ	5.5 UJ	2.7 U	2.7 U	2.2 UJ	2.2 U
Bromodichloromethane	NE	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	6.7 U	3.4 U	3.4 U	2.7 U	2.7 U
Bromoform	NE	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	10 U	5.2 U	5.2 U	4.1 U	4.1 U
Bromomethane	0.9	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	3.9 U	1.9 U	1.9 U	1.6 U	1.6 U
Butadiene, 1,3-	NE	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	2.2 U	1.1 U	1.1 U	0.88 U	0.88 U
Butane	NE	**24**	**18**	**25**	**20 J**	**8.1**	**12**	**27**	**0.75**	**0.52 J**	**0.95 J**	1.2 U	1.2 U	0.95 U	**0.43 J**
Butanone, 2-	17	**1.3**	**1.7**	**2.2**	3.0 U	0.59 U	0.59 U	**0.38 J**	**0.47 J**	**1.1 J**	3.0 U	1.5 U	1.5 U	1.2 U	1.2 U
Carbon disulfide	NE	**0.99**	**0.65**	**0.87 J**	**1.3 J**	**1.5**	**2.8**	**6.0**	**7.4**	**16 J**	**13**	**5.4**	**2.6**	**2.7**	**2.5**
Carbon tetrachloride	1	**2.6**	**1.7**	**1.6**	6.3 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 U
Chlorobenzene	<0.25	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	4.6 U	2.3 U	2.3 U	1.8 U	1.8 U
Chloroethane	0.4	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	2.6 U	1.3 U	1.3 U	1.0 U	1.0 U
Chloroform	0.5	**1.3**	**1.2**	**2.0**	**1.4 J**	**1.6**	**2.0**	**3.1**	**8.4**	**9.8 J**	**4.6 J**	**7.1**	**10**	**8.3**	**2.0**
Chloromethane	4.6	0.41 U	0.41 U	0.41 U	2.1 U	0.41 U	0.41 U	**0.14 J**	0.41 U	**0.43 J**	2.1 U	1.0 U	1.0 U	0.83 U	0.83 U
Chlorotoluene, 2-	NE	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	5.2 U	2.6 U	2.6 U	2.1 U	2.1 U
Cryofluorane	1.3	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	7.0 U	3.5 U	3.5 U	2.8 U	2.8 U
Cyclohexane	3	**30**	**28**	**48**	**44**	**40**	**45**	**64**	**28**	**100 J**	**55**	**11**	**10**	**7.6**	**14 J**
Decane, n-	3.6	**0.63 J**	**0.74 J**	**2.8**	5.8 U	**2.4**	**3.5**	1.2 U	**2.4**	**4.8 J**	5.8 U	**1.0 J**	2.9 U	2.3 U	**1.0 J**
Dibromochloromethane	NE	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	8.5 U	4.3 U	4.3 U	3.4 U	3.4 U
Dibromoethane, 1,2-	<0.25	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	7.7 U	3.8 U	3.8 U	3.1 U	3.1 U
Dichlorobenzene, 1,2-	0.9	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**	6.0 U	3.0 U	3.0 U	2.4 U	2.4 U
Dichlorobenzene, 1,3-	0.7	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**	6.0 U	3.0 U	3.0 U	2.4 U	2.4 U
Dichlorobenzene, 1,4-	0.8	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**	**2.1 J**	**1.4 J**	3.0 U	2.4 U	2.4 U
Dichlorodifluoromethane	11	**1.2**	**1.0**	**1.1**	4.9 U	**1.5**	**0.95 J**	**1.0**	**0.98 J**	**0.74 J**	4.9 U	**0.86 J**	**1.1 J**	**0.99 J**	**0.79 J**
Dichloroethane, 1,1-	<0.25	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	4.0 U	2.0 U	2.0 U	1.6 U	1.6 U
Dichloroethane, 1,2-	<0.25	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	4.0 U	2.0 U	2.0 U	1.6 U	1.6 U
Dichloroethene, 1,1-	<0.25	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	4.0 U	2.0 U	2.0 U	1.6 U	1.6 U
Dichloroethene, cis-1,2-	<0.25	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	4.0 U	2.0 U	2.0 U	1.6 U	1.6 U
Dichloropropane, 1,2-	<0.25	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	4.6 U	2.3 U	2.3 U	1.8 U	1.8 U
Dichloropropene, cis-1,3	<0.25	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	4.5 U	2.3 U	2.3 U	1.8 U	1.8 U
Dichloropropene, trans-1,3	<0.25	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	4.5 U	2.3 U	2.3 U	1.8 U	1.8 U
Dioxane, 1,4-	NE	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	3.6 U	1.8 U	1.8 U	1.4 U	1.4 UJ
Dodecane, n-	7.6	**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**	**1.7 J**	**1.2 J**	3.5 U	2.8 U	**2.5 J**
Ethanol	220	**4.2**	**8.2**	**9.2**	24 UJ	**3.0 J**	**3.1**	**5.1**	3.7 U	**4.0 J**	9.4 UJ	**1.2 J**	4.7 U	3.8 U	3.8 U
Ethylthiophene, 2-	NE	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	4.6 U	2.3 U	2.3 U	1.8 U	1.8 U
Ethyltoluene, p-	NE	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**	**2.7 J**	**1.6 J**	2.5 U	2.0 U	2.0 U
Heptane, n-	5.1	**18**	**5.5**	**5.0 J**	4.1 U	**2.7**	**0.67 J**	**0.74 J**	**0.43 J**	**1.4 J**	4.1 U	2.0 U	2.0 U	1.6 U	1.6 U
Hexachlorobutadiene	7	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	11 U	5.3 U	5.3 U	4.3 U	4.3 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	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	OU2SG-22 8/26/2009	OU2SG-22 9/23/2009	OU2SG-22 10/19/2009	OU2SG-22 11/18/2009	OU2SG-22 12/28/2009
Hexane, n-	3.6	**41**	**21**	**24 J**	**11**	**3.3**	**3.2**	**4.0**	**2.5**	**7.4 J**	**4.2**	1.8 U	1.8 U	**0.42 J**	**0.77 J**
Hexanone, 2-	NE	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	4.1 U	2.0 U	2.0 U	1.6 U	1.6 U
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	0.97 U	0.97 U	**0.36 J**	4.8 U	**0.43 J**	**0.89 J**	**0.29 J**	**12**	**35 J**	**16**	**9.8**	**2.5**	**2.2**	**2.0**
Indene	NE	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	4.8 U	2.4 U	2.4 U	1.9 U	1.9 U
Isopropyl benzene	0.4	NA	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	3.6 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	1.4 U
Methyl-2-pentanone, 4-	2.9	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	4.1 UJ	2.0 U	2.0 U	1.6 U	1.6 U
Methylene chloride	2.9	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**	**2.6 J**	4.3 U	4.3 U	3.5 U	3.4 U
Methylnaphthalene, 1-	NE	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**	**4.4 J**	**1.7 J**	2.9 U	2.3 U	2.3 U
Methylnaphthalene, 2-	NE	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**	**8.1 J**	**2.5 J**	2.9 U	**0.93 J**	2.3 U
Methylthiophene, 2-	NE	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	4.0 U	2.0 U	2.0 U	1.6 U	1.6 U
Methylthiophene, 3-	NE	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	4.0 U	2.0 U	2.0 U	1.6 U	1.6 U
Naphthalene	10	1.0 U	1.0 U	1.0 U	5.2 U	1.0 U	1.0 UJ	1.0 U	**32**	**53 J**	**19**	**3.1**	**1.2 J**	**1.5 J**	**0.73 J**
Nonane	1.2	1.0 U	1.0 U	**2.4**	5.2 U	**2.8**	**3.8**	**0.80 J**	**2.3**	**2.2 J**	5.2 U	2.6 U	2.6 U	2.1 U	2.1 U
Octane, n-	2.1	0.93 U	0.93 U	0.93 U	4.7 U	**1.2**	**1.6**	**1.1**	**0.95**	**0.98 J**	4.7 U	2.3 U	2.3 U	1.9 U	1.9 U
Pentane	NE	**48**	**22**	**31**	**18**	**6.1**	**10**	**18**	**0.82**	**0.86 J**	3.0 U	1.5 U	1.5 U	1.2 U	1.2 U
Propanol, 2-	NE	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	6.1 U	3.0 U	3.0 U	2.5 U	2.5 U
Propylbenzene, n-	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.6	**0.23 J**	**0.28 J**	**1.3**	4.3 U	**1.2**	**1.9**	**1.1**	**2.6**	**11 J**	**5.8**	**1.9 J**	**0.74 J**	**0.51 J**	**0.60 J**
t-Butyl alcohol	NE	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	3.0 U	1.5 U	1.5 U	1.2 U	1.2 U
Tetrachloroethane, 1,1,2,2-	<0.25	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	6.9 U	3.4 U	3.4 U	2.7 U	2.7 U
Tetrachloroethene	1.6	**0.91 J**	**1.2 J**	**2.5**	6.8 U	**2.2**	**2.8**	**4.5**	**5.3**	**11 J**	**8.1**	**4.9**	**2.5 J**	**2.3 J**	**1.5 J**
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	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**	**9.0 J**	**11 J**	**2.5 J**	**2.4 J**	**1.6 J**
Thiophene	NE	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	3.4 U	1.7 U	1.7 U	1.4 U	1.4 U
Trans-1,2-dichloroethene	NE	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	4.0 U	2.0 U	2.0 U	1.6 U	1.6 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	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	7.7 U	3.8 U	3.8 U	3.1 U	3.1 U
Trichlorobenzene, 1,2,4-	4.8	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	7.4 U	3.7 U	3.7 U	3.0 U	3.0 U
Trichloroethane, 1,1,1-	0.7	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	5.4 U	2.7 U	2.7 U	2.2 U	2.2 U
Trichloroethane, 1,1,2-	<0.25	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	5.4 U	2.7 U	2.7 U	2.2 U	2.2 U
Trichloroethene	0.5	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	5.4 U	2.7 U	2.7 U	2.2 U	2.2 U
Trichlorofluoromethane	6.1	**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**	**3.4 J**	**1.5 J**	**0.98 J**	**0.90 J**	**0.56 J**
Trimethylbenzene, 1,2,3-	0.6	0.98 U	0.98 U	**0.71 J**	4.9 U	**0.80 J**	**1.8**	**0.27 J**	**5.3**	**18 J**	**7.6**	**5.6**	**1.5 J**	**1.3 J**	**1.2 J**
Trimethylbenzene, 1,2,4-	2.5	**0.34 J**	**0.51 J**	**2.2**	4.9 U	**2.2**	**4.2**	**0.62 J**	**7.3**	**23 J**	**9.1**	**6.8**	**1.8 J**	**1.5 J**	**1.3 J**
Trimethylbenzene, 1,3,5-	1	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**	**3.4 J**	**2.1 J**	2.5 U	2.0 U	**0.49 J**
Trimethylpentane, 2,2,4-	2	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	4.7 U	2.3 U	2.3 U	1.9 U	1.9 U
Undecane, n-	2.3	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**	6.4 U	3.2 U	3.2 U	**0.77 J**	**4.7**
Vinyl bromide	NE	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	4.4 U	2.2 U	2.2 U	1.8 U	1.8 U
Vinyl chloride	<0.25	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	2.6 U	1.3 U	1.3 U	1.0 U	1.0 U
Other (%)															
Carbon Dioxide	NE	NA	NA	NA	NA	NA	**1.28**	**2.66**	**2.23**	**3.52**	**2.42**	**2.04**	**1.77**	**1.8**	**1.2**
Helium	NE	**0.0172**	**0.0158**	**0.0184**	**0.0218**	**0.026**	**0.0221**	0.0164 U	**0.0204**	0.018 U	0.0162 U	0.0155 U	0.00315 U	0.0152 U	0.0194 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-22 1/20/2010	OU2SG-22 2/18/2010	OU2SG-22 3/18/2010	OU2SG-22 4/8/2010	OU2SG-22 6/7/2010	OU2SG-22 9/22/2010	OU2SG-23 3/27/2008	OU2SG-23 6/19/2008	Duplicate of OU2SG-23 6/19/2008	OU2SG-23 9/23/2009	OU2SG-23 12/28/2009	Duplicate of: OU2SG-23 12/28/2009	OU2SG-23 3/18/2010	OU2SG-23 6/7/2010
BTEX (ug/m^3)															
Benzene	5.8	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	**0.38 J**	0.64 UJ	0.64 UJ	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Toluene	21	**27**	**26**	**41**	**50**	**62**	**0.60 J**	**1.4**	**4.2**	**4.2**	**0.75 J**	1.5 U	1.5 U	1.5 U	1.5 U
Ethylbenzene	1.9	**0.87 J**	**0.87 J**	**1.5 J**	**2.4**	**1.9**	1.7 U	**0.38 J**	0.87 U	0.87 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Xylene, m,p-	3.1	**2.7 J**	**2.7 J**	**5.1**	**7.3**	**3.4 J**	3.5 U	**1.3 J**	**0.35 J**	**0.43 J**	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
Xylene, o-	2.5	**1.6 J**	**1.5 J**	**2.7**	**4.2**	**2.4**	1.7 U	**0.49 J**	0.87 U	0.87 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Other VOCs (ug/m^3)															
Acetaldehyde	NE	9.0 U	9.0 U	9.0 U	9.0 U	**3.5 J**	**8.0 J**	4.5 U	**7.6 J**	**5.3 J**	**6.7 J**	9.0 U	9.0 U	**4.5 J**	**3.6 J**
Acetone	58	**3.4 J**	3.6 UJ	4.8 U	**1.5 J**	**1.5 J**	**5.8 JB**	**7.7 J**	**2.8 J**	**4.8 J**	4.8 U	3.6 UJ	**8.0 J**	**2.0 J**	**2.5 J**
Acrolein (propenal)	NE	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	1.2 U	**0.18 J**	**0.18 J**	2.3 U	2.3 UJ	2.3 UJ	2.3 U	2.3 U
Allyl chloride	NE	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.63 U	0.63 U	0.63 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Benzothiophene	NE	2.2 U	2.2 U	2.2 U	2.2 U	5.5 U	5.5 U	1.1 U	1.1 UJ	1.1 UJ	2.2 U	2.2 U	2.2 U	2.2 U	5.5 U
Bromodichloromethane	NE	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	**0.80 J**	1.3 U	1.3 U	1.3 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
Bromoform	NE	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	2.1 U	2.1 U	2.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U
Bromomethane	0.9	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.78 U	0.78 U	0.78 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Butadiene, 1,3-	NE	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.44 U	0.44 U	0.44 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U
Butane	NE	**2.1**	**1.5**	0.95 U	0.95 U	0.95 U	0.95 U	0.48 U	0.48 U	**0.14 J**	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U
Butanone, 2-	17	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	**0.53 J**	**14**	**0.44 J**	**0.59**	**0.83 J**	1.2 U	1.2 U	1.2 U	1.2 U
Carbon disulfide	NE	**0.87 J**	**1.1 J**	1.9 U	**3.0**	**21**	**2.2**	**0.38 J**	0.62 U	0.81 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Carbon tetrachloride	1	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1.3 U	1.3 U	1.3 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chlorobenzene	<0.25	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.92 U	0.92 U	0.92 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Chloroethane	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.53 U	0.53 U	0.53 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	0.5	**0.78 J**	**0.88 J**	**1.4 J**	**1.2 J**	**12**	**20**	**0.34 J**	**1.4**	**2.2**	**2.3**	**0.59 J**	**0.59 J**	2.0 U	**1.0 J**
Chloromethane	4.6	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.41 U	**0.12 J**	**0.27 J**	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U
Chlorotoluene, 2-	NE	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	1.0 U	1.0 U	1.0 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Cryofluorane	1.3	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	1.4 U	1.4 U	1.4 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U
Cyclohexane	3	**13**	**6.7**	**8.1**	**8.2**	**21**	**22**	0.69 U	**0.34 J**	**0.28 J**	1.4 U	1.4 UJ	1.4 UJ	1.4 U	1.4 U
Decane, n-	3.6	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	**2.0**	**7.6**	**7.3**	2.3 U	2.3 U	2.3 U	**0.81 J**	2.3 U
Dibromochloromethane	NE	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	1.7 U	1.7 U	1.7 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U
Dibromoethane, 1,2-	<0.25	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	1.5 U	1.5 U	1.5 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Dichlorobenzene, 1,2-	0.9	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	1.2 U	1.2 U	1.2 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U
Dichlorobenzene, 1,3-	0.7	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	**0.48 J**	1.2 U	1.2 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U
Dichlorobenzene, 1,4-	0.8	2.4 U	2.4 U	**0.60 J**	**0.72 J**	**1.4 J**	2.4 U	1.2 U	1.2 U	1.2 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U
Dichlorodifluoromethane	11	**0.99 J**	**0.89 J**	**1.8 J**	**0.69 J**	**1.0 J**	**1.1 J**	**2.1**	**2.5**	**3.3**	**2.7**	**2.7**	**2.8**	**2.3**	**2.6**
Dichloroethane, 1,1-	<0.25	1.6 U	1.6 U	1.6 U	1.6 U	1.6 UJ	1.6 U	0.81 U	0.81 U	0.81 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 UJ
Dichloroethane, 1,2-	<0.25	1.6 U	1.6 U	1.6 UJ	1.6 U	1.6 U	1.6 U	0.81 U	0.81 U	0.81 U	1.6 U	1.6 U	1.6 U	1.6 UJ	1.6 U
Dichloroethene, 1,1-	<0.25	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.79 U	0.79 U	0.79 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Dichloroethene, cis-1,2-	<0.25	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.79 U	0.79 U	0.79 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Dichloropropane, 1,2-	<0.25	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.92 U	0.92 U	0.92 U	1.8 U	1.8 UJ	1.8 UJ	1.8 U	1.8 U
Dichloropropene, cis-1,3	<0.25	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.91 U	0.91 U	0.91 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Dichloropropene, trans-1,3	<0.25	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.91 U	0.91 U	0.91 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Dioxane, 1,4-	NE	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.72 U	0.72 U	0.72 U	1.4 U	1.4 UJ	1.4 UJ	1.4 U	1.4 U
Dodecane, n-	7.6	**7.0 J**	2.8 U	2.8 U	**2.4 J**	2.8 U	2.8 U	**2.9**	**26 J**	**24 J**	**0.84 J**	2.8 U	2.8 U	**0.97 J**	**1.2 J**
Ethanol	220	**1.2 J**	3.8 U	**1.3 J**	3.8 U	3.8 UJ	**1.7 J**	**4.6 J**	**1.4 J**	**1.8 J**	3.8 U	3.8 U	3.8 U	**1.0 J**	**1.4 J**
Ethylthiophene, 2-	NE	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.92 U	0.92 U	0.92 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Ethyltoluene, p-	NE	2.0 U	2.0 U	**0.59 J**	**1.1 J**	**1.2 J**	2.0 U	0.98 U	0.98 U	0.98 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Heptane, n-	5.1	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.82 U	0.82 U	0.82 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Hexachlorobutadiene	7	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	2.1 U	2.1 U	2.1 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-22 1/20/2010	OU2SG-22 2/18/2010	OU2SG-22 3/18/2010	OU2SG-22 4/8/2010	OU2SG-22 6/7/2010	OU2SG-22 9/22/2010	OU2SG-23 3/27/2008	OU2SG-23 6/19/2008	Duplicate of OU2SG-23 6/19/2008	OU2SG-23 9/23/2009	OU2SG-23 12/28/2009	Duplicate of: OU2SG-23 12/28/2009	OU2SG-23 3/18/2010	OU2SG-23 6/7/2010
Hexane, n-	3.6	1.4 U	1.4 U	1.4 U	1.4 U	**0.79 J**	1.4 U	**0.45 J**	**0.28 J**	**0.42 J**	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Hexanone, 2-	NE	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	**1.1**	0.82 U	0.82 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	**1.6 J**	**1.4 J**	**2.9**	**4.0**	**2.4**	1.9 U	0.97 U	0.97 U	0.97 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Indene	NE	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	0.95 U	0.95 U	0.95 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Isopropyl benzene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	5.9	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.72 U	0.72 UJ	0.72 UJ	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Methyl-2-pentanone, 4-	2.9	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	**1.6**	0.82 U	0.82 U	**0.74 J**	1.6 UJ	1.6 UJ	1.6 U	1.6 U
Methylene chloride	2.9	**0.97 J**	3.5 U	3.5 U	3.5 U	3.5 U	6.9 U	**0.34 J**	1.7 UJ	**15 J**	3.5 U	**0.97 J**	**1.1 J**	3.5 U	**2.1 J**
Methylnaphthalene, 1-	NE	2.3 U	2.3 U	2.3 U	5.8 UJ	5.8 U	5.8 U	1.2 U	2.9 UJ	2.9 UJ	2.3 UJ	2.3 U	2.3 U	2.3 U	5.8 U
Methylnaphthalene, 2-	NE	2.3 U	2.3 U	**1.3 J**	5.8 UJ	5.8 U	5.8 U	1.2 U	2.9 UJ	2.9 UJ	2.3 U	2.3 U	2.3 U	2.3 U	5.8 U
Methylthiophene, 2-	NE	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.80 U	0.80 U	0.80 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Methylthiophene, 3-	NE	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.80 U	0.80 U	0.80 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Naphthalene	10	2.1 U	**0.63 J**	**2.2**	2.0 U	**0.93 J**	2.1 U	1.0 U	**0.37 J**	**0.26 J**	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Nonane	1.2	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	1.0 U	1.0 U	1.0 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Octane, n-	2.1	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	**1.6**	**0.75 J**	**0.70 J**	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Pentane	NE	**1.1 J**	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	**0.20 J**	0.59 U	0.59 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Propanol, 2-	NE	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	**0.96 J**	1.2 UJ	**1.2 J**	**1.4 J**	2.5 U	**2.5**	2.5 U	2.5 U
Propylbenzene, n-	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.6	1.7 U	1.7 U	**0.77 J**	**0.85 J**	**0.50 J**	1.7 U	0.85 U	0.85 U	0.85 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
t-Butyl alcohol	NE	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	**0.77**	0.61 U	0.61 U	**0.36 J**	1.2 U	1.2 U	1.2 U	1.2 U
Tetrachloroethane, 1,1,2,2-	<0.25	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	1.4 U	1.4 U	1.4 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
Tetrachloroethene	1.6	**1.4 J**	**1.5 J**	**2.2 J**	**3.4**	**5.6**	**3.2**	**0.88 J**	**1.4**	**2.2**	2.7 U	2.7 U	2.7 U	2.7 U	**0.70 J**
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	**0.88 J**	**1.2 J**	**4.9**	**6.2**	**6.2**	2.2 U	**0.45 J**	**0.27 J**	1.1 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
Thiophene	NE	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.69 U	0.69 U	0.69 U	1.4 U	1.4 UJ	1.4 UJ	1.4 U	1.4 U
Trans-1,2-dichloroethene	NE	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.79 U	0.79 U	0.79 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	3.1 U	3.1 U	3.1 U	3.1 U	**1.0 J**	3.1 U	**0.48 J**	**0.54 J**	**0.69 J**	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Trichlorobenzene, 1,2,4-	4.8	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	1.5 U	1.5 U	1.5 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Trichloroethane, 1,1,1-	0.7	2.2 U	2.2 U	2.2 UJ	2.2 U	2.2 U	2.2 U	1.1 U	1.1 U	1.1 U	2.2 U	2.2 U	2.2 U	2.2 UJ	2.2 U
Trichloroethane, 1,1,2-	<0.25	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	1.1 U	1.1 U	1.1 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
Trichloroethene	0.5	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	**0.54 J**	1.1 U	1.1 U	1.1 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
Trichlorofluoromethane	6.1	2.2 U	2.2 U	**1.0 J**	**0.67 J**	**2.0 J**	**1.1 J**	**1.0 J**	**1.3**	**1.6**	**1.6 J**	**1.2 J**	**1.4 J**	**1.2 J**	**1.5 J**
Trimethylbenzene, 1,2,3-	0.6	**0.79 J**	**0.79 J**	**2.2**	**3.1**	**3.0**	2.0 U	**0.98**	**0.49 J**	**0.44 J**	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Trimethylbenzene, 1,2,4-	2.5	**0.88 J**	**0.88 J**	**2.5**	**3.3**	**1.4 J**	2.0 U	**0.32 J**	0.98 U	0.98 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Trimethylbenzene, 1,3,5-	1	2.0 U	2.0 U	**0.69 J**	**1.1 J**	**0.72 J**	2.0 U	**0.38 J**	**0.29 J**	**0.29 J**	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Trimethylpentane, 2,2,4-	2	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	**0.37 J**	0.93 U	0.93 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Undecane, n-	2.3	**2.6**	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	**0.89 J**	**0.57 J**	**0.38 J**	2.6 U	2.6 U	2.6 U	**1.4 J**	**0.66 J**
Vinyl bromide	NE	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.87 U	0.87 U	0.87 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Vinyl chloride	<0.25	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.51 U	0.51 U	0.51 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Other (%)															
Carbon Dioxide	NE	**1.27**	**1.09**	**1.53**	**1.3**	**2.34**	**2**	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NE	0.0166 U	0.0169 U	0.0181 U	0.0178 U	0.0179 U	0.0186 U	NA	0.0157 U	0.019 U	0.00364 U	0.0158 U	0.0158 U	0.0186 U	0.0182 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-23 9/22/2010	OU2SG-24 4/3/2008	OU2SG-24 6/25/2008	Duplicate of OU2SG-24 6/25/2008	OU2SG-24 8/13/2008	OU2SG-24A 9/24/2008	OU2SG-24 9/24/2008	OU2SG-24 12/30/2008	OU2SG-24A 2/16/2009	OU2SG-24P 2/16/2009	OU2SG-24A 2/17/2009	OU2SG-24P 2/17/2009	OU2SG-24 2/18/2009	OU2SG-24 2/19/2009
BTEX (ug/m^3)															
Benzene	5.8	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	0.64 U	**0.33 J**	**0.20 J**
Toluene	21	1.5 U	**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**	**0.56 J**	**1.3**	**1.2**
Ethylbenzene	1.9	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	0.87 U	**0.28 J**	**0.38 J**
Xylene, m,p-	3.1	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**	**0.50 J**	**0.74 J**	**1.2 J**
Xylene, o-	2.5	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**	**0.30 J**	**0.36 J**	**0.45 J**
Other VOCs (ug/m^3)															
Acetaldehyde	NE	**5.4 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	1.8 UJ	1.8 UJ	1.8 UJ
Acetone	58	**4.3 JB**	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	1.8 U	1.2 UJ	5.0 U
Acrolein (propenal)	NE	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	0.46 U	0.46 U	0.46 U
Allyl chloride	NE	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	0.63 U	0.63 U	0.63 U
Benzothiophene	NE	5.5 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	2.7 UJ	2.7 UJ	2.7 UJ
Bromodichloromethane	NE	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	1.3 U	1.3 U	1.3 U
Bromoform	NE	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	2.1 U	2.1 U	2.1 U
Bromomethane	0.9	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	0.78 U	0.78 U	0.78 U
Butadiene, 1,3-	NE	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	0.44 U	0.44 U	0.44 U
Butane	NE	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**	**0.98**	**1.8**	**2.6**
Butanone, 2-	17	1.2 U	**0.66 J**	**0.88**	**1.0**	**1.7**	**1.1**	**0.93**	0.59 U	**0.77**	0.59 U	**0.34 J**	**0.40 J**	0.59 U	**1.3**
Carbon disulfide	NE	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	0.62 U	0.62 U	0.62 U
Carbon tetrachloride	1	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	1.3 U	1.3 U	1.3 U
Chlorobenzene	<0.25	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	0.92 U	0.92 U	0.92 U
Chloroethane	0.4	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	0.53 U	0.53 U	0.53 U
Chloroform	0.5	**1.7 J**	**0.36 J**	**2.4**	**2.3**	**6.7**	**7.5**	**6.9**	**1.5**	**0.88 J**	**0.82 J**	0.98 U	0.98 U	0.98 U	0.98 U
Chloromethane	4.6	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**	0.41 U	0.41 U	0.41 U
Chlorotoluene, 2-	NE	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	1.0 U	1.0 U	1.0 U
Cryofluorane	1.3	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	1.4 U	1.4 U	1.4 U
Cyclohexane	3	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**	**0.19 J**	**1.0**	**0.31 J**
Decane, n-	3.6	2.3 U	**1.7**	**4.9**	**4.3**	**18**	**18**	**16**	**1.2**	**1.9**	**2.8**	**1.4**	**2.1**	**1.3**	**3.4**
Dibromochloromethane	NE	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	1.7 U	1.7 U	1.7 U
Dibromoethane, 1,2-	<0.25	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	1.5 U	1.5 U	1.5 U
Dichlorobenzene, 1,2-	0.9	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	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,3-	0.7	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	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,4-	0.8	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	1.2 U	1.2 U	1.2 U
Dichlorodifluoromethane	11	**2.6**	**2.3**	**2.5**	**2.5**	**2.7**	**3.0**	**2.8**	**3.1**	**2.4**	**2.4**	**2.3**	**2.2**	**2.6**	**2.3**
Dichloroethane, 1,1-	<0.25	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	0.81 U	0.81 U	0.81 U
Dichloroethane, 1,2-	<0.25	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	0.81 U	0.81 U	0.81 U
Dichloroethene, 1,1-	<0.25	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	0.79 U	0.79 U	0.79 U
Dichloroethene, cis-1,2-	<0.25	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	0.79 U	0.79 U	0.79 U
Dichloropropane, 1,2-	<0.25	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	0.92 U	0.92 U	0.92 U
Dichloropropene, cis-1,3	<0.25	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	0.91 U	0.91 U	0.91 U
Dichloropropene, trans-1,3	<0.25	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	0.91 U	0.91 U	0.91 U
Dioxane, 1,4-	NE	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	0.72 U	0.72 U	0.72 U
Dodecane, n-	7.6	2.8 U	**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**	**1.4 J**	3.5 U	**5.3 J**
Ethanol	220	**1.4 J**	**6.2**	**4.8**	**4.0**	**11**	**5.9**	**3.8**	**6.0**	**5.3**	**6.4**	**0.93 J**	**1.2 J**	**0.85 J**	**3.8 J**
Ethylthiophene, 2-	NE	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	0.92 U	0.92 U	0.92 U
Ethyltoluene, p-	NE	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	**0.35 J**	0.98 U	0.98 U
Heptane, n-	5.1	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	**0.26 J**	**0.80 J**	**0.22 J**
Hexachlorobutadiene	7	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	2.1 UJ	2.1 UJ	2.1 UJ

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-23 9/22/2010	OU2SG-24 4/3/2008	OU2SG-24 6/25/2008	Duplicate of OU2SG-24 6/25/2008	OU2SG-24 8/13/2008	OU2SG-24A 9/24/2008	OU2SG-24 9/24/2008	OU2SG-24 12/30/2008	OU2SG-24A 2/16/2009	OU2SG-24P 2/16/2009	OU2SG-24A 2/17/2009	OU2SG-24P 2/17/2009	OU2SG-24 2/18/2009	OU2SG-24 2/19/2009
Hexane, n-	3.6	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	0.70 U	**0.62 J**	**0.27 J**
Hexanone, 2-	NE	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	2.0 U	2.0 U	2.0 U
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	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	0.97 U	0.97 U	0.97 U
Indene	NE	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	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	NA
Methyl tert-butyl ether	5.9	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	0.72 U	0.72 U	0.72 U
Methyl-2-pentanone, 4-	2.9	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	0.82 U	0.82 U	0.82 U	**1.6**
Methylene chloride	2.9	6.9 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	1.7 U	1.7 U	1.7 U
Methylnaphthalene, 1-	NE	5.8 U	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	R	R	2.9 UJ
Methylnaphthalene, 2-	NE	5.8 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	2.9 UJ	2.9 UJ	2.9 UJ
Methylthiophene, 2-	NE	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	0.80 U	0.80 U	0.80 U
Methylthiophene, 3-	NE	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	0.80 U	0.80 U	0.80 U
Naphthalene	10	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	**0.34 J**	1.0 U	1.0 U
Nonane	1.2	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**	**1.0 J**	**0.86 J**	**0.59 J**
Octane, n-	2.1	1.9 U	**9.7**	**1.6**	**1.5**	**80**	**42**	**26**	0.93 U	**0.93 J**	**0.42 J**	0.93 U	**0.29 J**	**1.4**	**0.99**
Pentane	NE	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**	**0.29 J**	**0.72**	0.59 U
Propanol, 2-	NE	2.5 U	**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	1.2 U	1.2 UJ	**1.2 J**
Propylbenzene, n-	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.6	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	0.85 U	0.85 U	0.85 U
t-Butyl alcohol	NE	1.2 U	**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	0.61 U	0.61 U	0.61 U
Tetrachloroethane, 1,1,2,2-	<0.25	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	1.4 U	1.4 U	1.4 U
Tetrachloroethene	1.6	**1.1 J**	**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	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	NA
Tetramethylbenzene, 1,2,4,5-	NE	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	**0.65 J**	**0.32 J**	2.7 U
Thiophene	NE	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	0.69 U	0.69 U	0.69 U
Trans-1,2-dichloroethene	NE	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	0.79 U	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	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	**0.41 J**	**1.3 J**	1.5 U
Trichlorobenzene, 1,2,4-	4.8	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	1.5 U	1.5 U	1.5 U
Trichloroethane, 1,1,1-	0.7	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	1.1 U	1.1 U	1.1 U
Trichloroethane, 1,1,2-	<0.25	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	1.1 U	1.1 U	1.1 U
Trichloroethene	0.5	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	1.1 U	1.1 U	1.1 U
Trichlorofluoromethane	6.1	**1.2 J**	**1.3**	**1.5**	**1.5**	**1.5**	**1.6**	**1.6**	**1.9**	**1.4**	**1.4**	**1.4**	**1.2**	**1.4**	**1.2**
Trimethylbenzene, 1,2,3-	0.6	2.0 U	**0.38 J**	**0.49 J**	**0.44 J**	0.98 U	0.98 U	0.98 U	**0.28 J**	0.98 U	0.98 U	**0.32 J**	**0.72 J**	**0.43 J**	**0.27 J**
Trimethylbenzene, 1,2,4-	2.5	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**	**0.76 J**	**0.51 J**	**0.73 J**
Trimethylbenzene, 1,3,5-	1	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**	**0.47 J**	**0.32 J**	0.98 U
Trimethylpentane, 2,2,4-	2	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**	**1.9**	**2.3**	**4.4**
Undecane, n-	2.3	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**	**0.53 J**	**0.65 J**	**2.0**
Vinyl bromide	NE	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	0.87 U	0.87 U	0.87 U
Vinyl chloride	<0.25	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	0.51 U	0.51 U	0.51 U
Other (%)															
Carbon Dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NE	0.0176 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**	**0.0169**	**0.017**	0.0167 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	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	OU2SG-24 10/30/2009	OU2SG-24 11/11/2009	OU2SG-24 12/28/2009
BTEX (ug/m^3)															
Benzene	5.8	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	1.3 U	1.3 U	1.3 U
Toluene	21	**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	1.5 U	1.5 U	1.5 U
Ethylbenzene	1.9	0.87 U	0.87 U	0.87 UJ	0.87 U	**0.22 J**	0.87 U	**0.50 J**	0.87 U	0.87 U	0.87 U	2.2 U	1.7 U	1.7 U	1.7 U
Xylene, m,p-	3.1	**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	3.5 U	3.5 U	3.5 U
Xylene, o-	2.5	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	1.7 U	1.7 U	1.7 U
Other VOCs (ug/m^3)															
Acetaldehyde	NE	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	9.0 U	9.0 U	9.0 U
Acetone	58	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	3.6 U	**3.8**	**1.5 J**
Acrolein (propenal)	NE	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	2.3 U	2.3 U	2.3 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	1.6 U	1.2 U	1.2 U	1.2 U
Benzothiophene	NE	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	1.1 UJ	2.7 U	2.2 UJ	2.2 UJ	2.2 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	3.4 U	2.7 U	2.7 U	2.7 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	5.2 U	4.1 U	4.1 U	4.1 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	1.9 U	1.6 U	1.6 U	1.6 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	0.44 U	0.44 U	1.1 U	0.88 U	0.88 U	0.88 U
Butane	NE	**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	**2.4**	**0.62 J**	**2.2**
Butanone, 2-	17	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	1.2 U	1.2 U	1.2 U
Carbon disulfide	NE	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	1.2 U	1.2 U	**1.1 J**
Carbon tetrachloride	1	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	2.5 U	2.5 U	2.5 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	0.92 U	0.92 U	0.92 U	2.3 U	1.8 U	1.8 U	1.8 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	1.3 U	1.0 U	1.0 U	1.0 U
Chloroform	0.5	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**	**2.2**	2.0 U	**0.98 J**
Chloromethane	4.6	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	**0.37 J**	**0.58 J**	0.83 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	2.6 U	2.1 U	2.1 U	2.1 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	3.5 U	2.8 U	2.8 U	2.8 U
Cyclohexane	3	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	1.4 U	1.4 U	1.4 UJ
Decane, n-	3.6	**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	2.3 U	2.3 U	2.3 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	4.3 U	3.4 U	3.4 U	3.4 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	3.8 U	3.1 U	3.1 U	3.1 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	3.0 U	2.4 U	2.4 U	2.4 U
Dichlorobenzene, 1,3-	0.7	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	2.4 U	2.4 U	2.4 U
Dichlorobenzene, 1,4-	0.8	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	2.4 U	2.4 U	2.4 U
Dichlorodifluoromethane	11	**2.6**	**2.7**	**2.5**	**2.1**	**2.5**	**4.4**	**1.7**	**1.9**	**2.9**	**3.2**	**4.1**	**3.4**	**1.1 J**	**6.1**
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	2.0 U	1.6 U	1.6 U	1.6 U
Dichloroethane, 1,2-	<0.25	0.81 U	0.81 U	0.81 UJ	0.81 U	0.81 UJ	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	2.0 U	1.6 U	1.6 U	1.6 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	2.0 U	1.6 U	1.6 U	1.6 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	2.0 U	1.6 U	1.6 U	1.6 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	2.3 U	1.8 U	1.8 U	1.8 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	2.3 U	1.8 U	1.8 U	1.8 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	2.3 U	1.8 U	1.8 U	1.8 U
Dioxane, 1,4-	NE	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	1.4 U	1.4 U	1.4 UJ
Dodecane, n-	7.6	**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	2.8 U	**0.70 J**	**1.2 J**
Ethanol	220	**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	**1.6 J**	3.8 U	**2.3 J**
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	2.3 U	1.8 U	1.8 U	1.8 U
Ethyltoluene, p-	NE	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	2.0 U	2.0 U	2.0 U
Heptane, n-	5.1	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	1.6 U	1.6 U	1.6 U
Hexachlorobutadiene	7	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	4.3 U	4.3 U	4.3 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	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	OU2SG-24 10/30/2009	OU2SG-24 11/11/2009	OU2SG-24 12/28/2009
Hexane, n-	3.6	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	1.4 U	1.4 U	**0.70 J**
Hexanone, 2-	NE	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	1.6 U	1.6 U	1.6 U
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	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	1.9 U	1.9 U	1.9 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	2.4 U	1.9 U	1.9 U	1.9 U
Isopropyl benzene	0.4	NA	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 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	1.8 U	1.4 U	1.4 U	1.4 U
Methyl-2-pentanone, 4-	2.9	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	1.6 U	1.6 U	1.6 U
Methylene chloride	2.9	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**	3.5 U	**1.3 J**	3.5 U
Methylnaphthalene, 1-	NE	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	2.3 U	2.3 U	2.3 U
Methylnaphthalene, 2-	NE	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	2.3 UJ	2.3 UJ	2.3 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	2.0 U	1.6 U	1.6 U	1.6 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	2.0 U	1.6 U	1.6 U	1.6 U
Naphthalene	10	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	2.1 U	2.1 U	2.1 U
Nonane	1.2	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	2.1 U	2.1 U	2.1 U
Octane, n-	2.1	**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	1.9 U	1.9 U	1.9 U
Pentane	NE	**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	**0.41 J**	1.2 U	**1.2**
Propanol, 2-	NE	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	2.5 U	2.5 U	2.5 U
Propylbenzene, n-	0.5	NA	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	**0.43 J**	0.85 U	0.85 U	0.85 U	2.1 U	1.7 U	1.7 U	1.7 U
t-Butyl alcohol	NE	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	1.2 U	1.2 U	1.2 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	3.4 U	2.7 U	2.7 U	2.7 U
Tetrachloroethene	1.6	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**	2.7 U	**0.68 J**	2.7 U
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	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	2.2 UJ	2.2 UJ	2.2 U
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	0.69 U	0.69 U	1.7 U	1.4 U	1.4 U	1.4 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	2.0 U	1.6 U	1.6 U	1.6 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	**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	3.1 U	3.1 U	3.1 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	1.5 U	1.5 U	1.5 U	3.7 U	3.0 U	3.0 U	3.0 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	2.7 U	2.2 U	2.2 U	2.2 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	2.7 U	2.2 U	2.2 U	2.2 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	**0.68 J**	1.1 U	**1.9**	2.7 U	2.2 U	2.2 U	2.2 U
Trichlorofluoromethane	6.1	**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**	**1.2 J**	**1.0 J**	**1.2 J**
Trimethylbenzene, 1,2,3-	0.6	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	2.0 U	2.0 U	2.0 U
Trimethylbenzene, 1,2,4-	2.5	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	2.0 U	2.0 UJ	2.0 U
Trimethylbenzene, 1,3,5-	1	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	2.0 U	2.0 U	2.0 U
Trimethylpentane, 2,2,4-	2	**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	1.9 U	1.9 U	1.9 U
Undecane, n-	2.3	**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	2.6 U	**0.89 J**	2.6 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	2.2 U	1.8 U	1.8 U	1.8 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	1.3 U	1.0 U	1.0 U	1.0 U
Other (%)															
Carbon Dioxide	NE	NA	NA	NA	NA	NA	**2.09**	**14.3**	**5.18**	**4.11**	**3.62**	**2.56**	**2.11**	**12.6**	**0.87**
Helium	NE	**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	0.00352 U	0.0171 U	0.0174 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-24 1/18/2010	OU2SG-24 2/19/2010	OU2SG-24 3/20/2010	OU2SG-24 4/29/2010	OU2SG-24 6/25/2010	OU2SG-24 9/18/2010	OU2SG-25 8/13/2008	OU2SG-25 9/24/2008	Duplicate of OU2SG-25 9/24/2008	OU2SG-25 12/30/2008	OU2SG-25A 2/16/2009	OU2SG-25P 2/16/2009	OU2SG-25A 2/17/2009	OU2SG-25P 2/17/2009
BTEX (ug/m^3)															
Benzene	5.8	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	**9.9**	**1.8**	**2.1 J**	0.64 U	**0.48 J**	**0.17 J**	0.64 U	0.64 U
Toluene	21	1.5 U	1.5 U	1.5 U	**0.45 J**	1.5 U	**1.4 J**	**30**	**9.9**	**8.4**	**0.66 J**	**1.0 J**	**0.44 J**	**0.23 J**	**0.38 J**
Ethylbenzene	1.9	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	**17 J**	**1.2**	**1.3 J**	0.87 U	**0.46 J**	**0.31 J**	0.87 U	0.87 U
Xylene, m,p-	3.1	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	**13 J**	**2.8**	**2.7 J**	**0.50 J**	**1.4 J**	**0.84 J**	**0.28 J**	**0.38 J**
Xylene, o-	2.5	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	**16**	**1.7**	**1.7 J**	**0.25 J**	**1.1**	**0.72 J**	0.87 U	0.87 U
Other VOCs (ug/m^3)															
Acetaldehyde	NE	9.0 U	9.0 U	**3.4 J**	**12**	**9.4**	**13**	18 U	1.8 UJ	9.0 UJ	4.5 UJ	4.5 UJ	4.5 UJ	2.4 U	**3.8 J**
Acetone	58	4.8 U	**1.0 J**	**2.0 J**	**8.0**	**4.3 J**	**9.3 J**	4.8 UJ	0.47 UJ	2.4 U	1.2 UJ	1.2 UJ	1.2 UJ	1.4 U	1.6 U
Acrolein (propenal)	NE	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	**0.64 J**	4.6 U	**0.22 J**	2.3 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U
Allyl chloride	NE	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	6.3 U	0.63 U	3.1 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
Benzothiophene	NE	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	5.5 U	11 U	1.1 U	5.5 U	1.1 UJ	1.1 U	1.1 U	2.7 UJ	2.7 UJ
Bromodichloromethane	NE	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	13 U	1.3 U	6.7 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	NE	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	21 U	2.1 U	10 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	0.9	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	7.8 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-	NE	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	4.4 U	0.44 U	2.2 U	0.44 U	0.44 UJ	0.44 UJ	0.44 U	0.44 U
Butane	NE	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	**0.62 J**	**2200**	**1100 J**	**1600 J**	**62**	**1.8**	**1.9**	**0.48**	**0.20 J**
Butanone, 2-	17	1.2 U	1.2 U	1.2 U	**0.77 J**	1.2 U	**1.2**	**31**	**2.3**	**2.6 J**	0.59 U	0.59 U	0.59 U	**0.26 J**	0.59 U
Carbon disulfide	NE	1.2 U	1.2 U	1.2 U	1.2 U	**1.8**	**0.37 J**	5.6 U	**0.82**	**1.4 J**	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U
Carbon tetrachloride	1	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	13 U	1.3 U	6.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Chlorobenzene	<0.25	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	9.2 U	0.92 U	4.6 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Chloroethane	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.3 U	0.53 U	2.6 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U
Chloroform	0.5	**0.59 J**	**0.68 J**	**1.2 J**	**2.9**	**7.0**	**2.4**	9.8 U	0.98 U	4.9 U	0.98 U	0.98 U	0.98 U	**1.1**	**0.85 J**
Chloromethane	4.6	**0.25 J**	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	4.1 U	0.41 U	2.1 U	0.41 U	0.41 U	0.41 U	**0.11 J**	**0.12 J**
Chlorotoluene, 2-	NE	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	10 U	1.0 U	5.2 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cryofluorane	1.3	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	14 U	1.4 U	7.0 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Cyclohexane	3	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	**220**	**80**	**100**	**3.3**	**2.0**	**0.37 J**	0.69 U	0.69 U
Decane, n-	3.6	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	**0.70 J**	**210**	**18**	**14**	**2.5**	**2.8**	**5.1**	**0.96 J**	**1.2**
Dibromochloromethane	NE	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	17 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-	<0.25	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	15 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-	0.9	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	12 U	1.2 U	6.0 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,3-	0.7	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	12 U	**0.31 J**	6.0 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,4-	0.8	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	12 U	1.2 U	6.0 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorodifluoromethane	11	**3.8**	**4.4**	**4.0**	**3.8**	**3.8**	**3.8**	9.9 U	**0.73 J**	4.9 U	**1.5**	**1.9**	**2.1**	**2.5**	**2.6**
Dichloroethane, 1,1-	<0.25	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	8.1 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-	<0.25	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	8.1 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-	<0.25	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	7.9 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-	<0.25	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	7.9 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-	<0.25	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	9.2 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	<0.25	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	9.1 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	<0.25	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	9.1 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-	NE	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	7.2 U	0.72 U	3.6 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Dodecane, n-	7.6	2.8 U	2.8 U	**1.1 J**	2.8 U	2.8 U	**1.4 J**	**98**	**7.6 J**	**9.6**	**0.49 J**	**1.6 J**	**56 J**	**1.1 J**	**0.82 J**
Ethanol	220	3.8 U	3.8 U	**1.4 J**	**0.98 J**	**3.4 J**	**12**	**23**	**4.3**	**6.9 J**	**4.4**	2.6 U	2.1 U	**0.99 J**	**1.6 J**
Ethylthiophene, 2-	NE	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	9.2 U	0.92 U	4.6 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Ethyltoluene, p-	NE	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**4.9 J**	**0.63 J**	4.9 U	0.98 U	**0.63 J**	**0.56 J**	0.98 U	0.98 U
Heptane, n-	5.1	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	**20**	**6.1**	**7.2**	0.82 U	**1.4 J**	0.82 UJ	0.82 U	0.82 U
Hexachlorobutadiene	7	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	21 U	2.1 U	11 U	2.1 U	2.1 U	2.1 U	2.1 UJ	2.1 UJ

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-24 1/18/2010	OU2SG-24 2/19/2010	OU2SG-24 3/20/2010	OU2SG-24 4/29/2010	OU2SG-24 6/25/2010	OU2SG-24 9/18/2010	OU2SG-25 8/13/2008	OU2SG-25 9/24/2008	Duplicate of OU2SG-25 9/24/2008	OU2SG-25 12/30/2008	OU2SG-25A 2/16/2009	OU2SG-25P 2/16/2009	OU2SG-25A 2/17/2009	OU2SG-25P 2/17/2009
Hexane, n-	3.6	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	**85**	**35**	**40**	**1.1**	**0.71 J**	**0.38 J**	0.70 U	0.70 U
Hexanone, 2-	NE	1.6 U	1.6 U	1.6 U	1.6 UJ	1.6 U	1.6 U	8.2 U	0.82 U	4.1 U	0.82 U	0.82 U	0.82 U	2.0 U	2.0 U
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	**120**	**7.9**	**8.1**	0.97 U	0.97 U	**0.28 J**	0.97 U	0.97 U
Indene	NE	1.9 U	1.9 U	1.9 U	1.9 U	1.9 UJ	1.9 U	9.5 U	0.95 U	4.8 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	NA
Methyl tert-butyl ether	5.9	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	7.2 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-	2.9	1.6 U	1.6 U	1.6 U	1.6 UJ	1.6 U	1.6 U	8.2 U	0.82 U	4.1 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Methylene chloride	2.9	**0.90 J**	3.5 U	3.5 U	3.5 U	6.9 U	**2.4 J**	6.9 UJ	0.69 U	3.4 U	1.7 U	0.69 U	0.69 U	1.7 U	1.7 U
Methylnaphthalene, 1-	NE	2.3 U	2.3 U	2.3 U	5.8 U	5.8 U	5.8 U	12 U	**0.34 J**	5.8 UJ	R	1.2 UJ	1.2 UJ	2.9 UJ	R
Methylnaphthalene, 2-	NE	2.3 U	2.3 U	2.3 U	5.8 UJ	5.8 U	5.8 U	12 U	**0.41 J**	5.8 U	14 UJ	1.2 U	**0.35 J**	2.9 UJ	2.9 UJ
Methylthiophene, 2-	NE	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	8.0 U	0.80 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Methylthiophene, 3-	NE	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	8.0 U	0.80 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Naphthalene	10	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	**3.7 J**	**0.85 J**	5.2 U	1.0 U	1.0 U	**0.41 J**	**0.69 J**	1.0 U
Nonane	1.2	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	**28**	1.0 U	**4.1 J**	1.0 U	1.0 UJ	**4.1**	1.0 U	1.0 U
Octane, n-	2.1	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	**210**	**24**	**27**	0.93 U	**1.9**	**1.0**	0.93 U	0.93 U
Pentane	NE	**0.47 J**	1.2 U	1.2 U	1.2 U	1.2 U	**3.2**	**420**	**130 J**	**200 J**	**2.9**	**1.1**	**0.79**	**0.27 J**	**0.17 J**
Propanol, 2-	NE	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	**1.3 J**	6.9 U	**1.7 J**	2.5 U	0.49 U	0.49 UJ	0.49 UJ	**0.52 J**	1.2 U
Propylbenzene, n-	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.6	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	8.5 U	0.85 U	4.3 U	**0.23 J**	**0.22 J**	0.85 U	0.85 U	0.85 U
t-Butyl alcohol	NE	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	**0.36 J**	6.1 UJ	0.61 U	3.0 U	0.61 U	1.5 U	1.5 U	0.61 U	0.61 U
Tetrachloroethane, 1,1,2,2-	<0.25	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	14 U	1.4 U	6.9 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Tetrachloroethene	1.6	2.7 U	2.7 U	2.7 U	**2.3 J**	**2.0 J**	**1.8 J**	14 U	**0.66 J**	6.8 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	NA
Tetramethylbenzene, 1,2,4,5-	NE	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	**22**	**5.5**	**5.0 J**	1.1 U	1.1 U	1.1 U	2.7 U	2.7 U
Thiophene	NE	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	6.9 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	NE	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	7.9 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-	3.6	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	15 U	1.5 U	7.7 U	1.5 U	**0.39 J**	1.5 U	**0.48 J**	**0.53 J**
Trichlorobenzene, 1,2,4-	4.8	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	15 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-	0.7	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	11 U	1.1 U	5.4 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethane, 1,1,2-	<0.25	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	11 U	1.1 U	5.4 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethene	0.5	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	11 U	1.1 U	5.4 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichlorofluoromethane	6.1	**1.1 J**	**1.1 J**	**1.6 J**	**1.8 J**	**1.5 J**	**1.5 J**	11 U	1.1 U	5.6 U	**0.80 J**	**1.3**	**1.4**	**1.1 J**	**1.1 J**
Trimethylbenzene, 1,2,3-	0.6	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**31**	**3.7**	**3.7 J**	**0.35 J**	**0.83 J**	**0.99**	0.98 U	0.98 U
Trimethylbenzene, 1,2,4-	2.5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**41**	**4.2**	**3.9 J**	0.98 U	**0.95 J**	**1.4**	0.98 U	0.98 U
Trimethylbenzene, 1,3,5-	1	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**15**	**2.6**	**2.6 J**	0.98 U	**0.74 J**	**0.80 J**	0.98 U	0.98 U
Trimethylpentane, 2,2,4-	2	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	**50 J**	0.93 U	4.7 U	**4.8**	0.93 U	0.93 U	0.93 U	0.93 U
Undecane, n-	2.3	2.6 U	2.6 U	**2.3 J**	2.6 U	2.6 U	2.6 U	**79**	1.3 UJ	6.4 UJ	**0.58 J**	**1.6**	**8.9**	**0.89 J**	**0.36 J**
Vinyl bromide	NE	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	8.7 U	0.87 U	4.4 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl chloride	<0.25	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.1 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	NE	**1.17**	**1.33**	**1.99**	**3.02**	**2.92**	**1.98**	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NE	0.0179 U	0.017 U	0.0179 U	0.0179 U	0.0167 U	0.0158 U	0.0164 U	0.0186 U	0.0171 U	**0.0179**	**0.49**	**0.0154**	**0.0172**	**0.0209**

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	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	OU2SG-25 8/18/2009	OU2SG-25 9/22/2009	OU2SG-25 10/30/2009
BTEX (ug/m^3)															
Benzene	5.8	**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	6.4 U	1.6 U	1.3 U
Toluene	21	**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	7.5 U	**0.56 J**	1.5 U
Ethylbenzene	1.9	0.87 U	0.87 U	0.87 U	0.87 U	0.87 UJ	0.87 U	1.7 U	0.87 U	0.87 U	**0.70 J**	8.7 U	8.7 U	2.2 U	1.7 U
Xylene, m,p-	3.1	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	17 U	4.3 U	3.5 U
Xylene, o-	2.5	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	8.7 U	2.2 U	1.7 U
Other VOCs (ug/m^3)															
Acetaldehyde	NE	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	45 UJ	4.5 UJ	9.0 UJ
Acetone	58	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	**38 J**	3.4 U	3.6 UJ
Acrolein (propenal)	NE	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	11 U	2.9 U	2.3 U
Allyl chloride	NE	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	6.3 U	1.6 U	1.2 U
Benzothiophene	NE	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	11 UJ	2.7 U	2.2 UJ
Bromodichloromethane	NE	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	13 U	3.4 U	2.7 U
Bromoform	NE	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	21 U	5.2 U	4.1 U
Bromomethane	0.9	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	7.8 U	1.9 U	1.6 U
Butadiene, 1,3-	NE	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	4.4 U	1.1 U	0.88 U
Butane	NE	**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**	**3.1 J**	**2.4**	0.95 U
Butanone, 2-	17	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	**2.6 J**	1.5 U	1.2 U
Carbon disulfide	NE	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	6.2 UJ	1.9 U	1.2 U
Carbon tetrachloride	1	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	13 U	3.1 U	2.5 U
Chlorobenzene	<0.25	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	9.2 U	2.3 U	1.8 U
Chloroethane	0.4	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	5.3 U	1.3 U	1.0 U
Chloroform	0.5	**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	9.8 U	**1.2 J**	2.0 U
Chloromethane	4.6	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	**2.9 J**	**1.6**	0.83 U
Chlorotoluene, 2-	NE	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	10 U	2.6 U	2.1 U
Cryofluorane	1.3	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	14 U	3.5 U	2.8 U
Cyclohexane	3	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	6.9 U	1.7 U	1.4 U
Decane, n-	3.6	**0.72 J**	**0.85 J**	1.2 U	1.2 U	1.2 U	1.2 U	2.3 U	1.2 U	1.2 U	**11**	12 U	12 U	2.9 U	2.3 U
Dibromochloromethane	NE	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	17 U	4.3 U	3.4 U
Dibromoethane, 1,2-	<0.25	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	15 U	3.8 U	3.1 U
Dichlorobenzene, 1,2-	0.9	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	12 U	3.0 U	2.4 U
Dichlorobenzene, 1,3-	0.7	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	12 U	3.0 U	2.4 U
Dichlorobenzene, 1,4-	0.8	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	12 U	3.0 U	2.4 U
Dichlorodifluoromethane	11	**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	9.9 U	**1.7 J**	2.0 U
Dichloroethane, 1,1-	<0.25	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	8.1 U	2.0 U	1.6 U
Dichloroethane, 1,2-	<0.25	0.81 U	0.81 U	0.81 U	0.81 U	0.81 UJ	0.81 U	1.6 UJ	0.81 U	0.81 U	0.81 U	8.1 U	8.1 U	2.0 U	1.6 U
Dichloroethene, 1,1-	<0.25	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	7.9 U	2.0 U	1.6 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	1.6 U	0.79 U	0.79 U	0.79 U	7.9 U	7.9 U	2.0 U	1.6 U
Dichloropropane, 1,2-	<0.25	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	9.2 U	2.3 U	1.8 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	1.8 U	0.91 U	0.91 U	0.91 U	9.1 U	9.1 U	2.3 U	1.8 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	1.8 U	0.91 U	0.91 U	0.91 U	9.1 U	9.1 U	2.3 U	1.8 U
Dioxane, 1,4-	NE	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	7.2 U	1.8 U	1.4 U
Dodecane, n-	7.6	**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	14 UJ	3.5 U	2.8 U
Ethanol	220	**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	**7.0 J**	4.7 U	**1.4 J**
Ethylthiophene, 2-	NE	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	9.2 U	2.3 U	1.8 U
Ethyltoluene, p-	NE	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	9.8 U	2.5 U	2.0 U
Heptane, n-	5.1	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	8.2 U	2.0 U	1.6 U
Hexachlorobutadiene	7	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	21 U	5.3 U	4.3 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	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	OU2SG-25 8/18/2009	OU2SG-25 9/22/2009	OU2SG-25 10/30/2009
Hexane, n-	3.6	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	7.0 U	**0.62 J**	1.4 U
Hexanone, 2-	NE	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	8.2 U	2.0 U	1.6 U
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	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	9.7 U	2.4 U	1.9 U
Indene	NE	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	9.5 U	2.4 U	1.9 U
Isopropyl benzene	0.4	NA	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 U	0.72 U	0.72 U	1.4 U	0.72 U	0.72 U	0.72 U	7.2 U	7.2 U	1.8 U	1.4 U
Methyl-2-pentanone, 4-	2.9	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	8.2 U	2.0 U	1.6 U
Methylene chloride	2.9	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	**4.5 J**	**2.6 J**	3.5 U
Methylnaphthalene, 1-	NE	R	R	**0.34 J**	2.9 U	2.9 UJ	1.2 UJ	5.8 UJ	5.8 U	1.2 U	**0.30 J**	12 U	12 UJ	2.9 U	2.3 U
Methylnaphthalene, 2-	NE	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 UJ	2.9 U	2.3 UJ
Methylthiophene, 2-	NE	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	8.0 U	2.0 U	1.6 U
Methylthiophene, 3-	NE	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	8.0 U	2.0 U	1.6 U
Naphthalene	10	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	10 U	2.6 U	2.1 U
Nonane	1.2	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	10 U	2.6 U	2.1 U
Octane, n-	2.1	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	9.3 U	2.3 U	1.9 U
Pentane	NE	**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	**3.5 J**	**1.8**	1.2 U
Propanol, 2-	NE	**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	12 U	3.0 U	2.5 U
Propylbenzene, n-	0.5	NA	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	1.7 U	0.85 U	0.85 U	**9.4**	8.5 U	8.5 U	2.1 U	1.7 U
t-Butyl alcohol	NE	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	6.1 U	1.5 U	1.2 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	2.7 U	1.4 U	1.4 U	1.4 U	14 U	14 U	3.4 U	2.7 U
Tetrachloroethene	1.6	**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	14 U	**1.2 J**	**0.68 J**
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	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	11 U	2.7 UJ	2.2 UJ
Thiophene	NE	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	6.9 U	1.7 U	1.4 U
Trans-1,2-dichloroethene	NE	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	7.9 U	2.0 U	1.6 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	**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	15 U	3.8 U	3.1 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	3.0 U	1.5 U	1.5 U	1.5 U	15 U	15 U	3.7 U	3.0 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	2.2 U	1.1 U	1.1 U	1.1 U	11 U	11 U	2.7 U	2.2 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	2.2 U	1.1 U	1.1 U	1.1 U	11 U	11 U	2.7 U	2.2 U
Trichloroethene	0.5	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	11 U	2.7 U	2.2 U
Trichlorofluoromethane	6.1	**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	11 U	**1.4 J**	2.2 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	2.0 U	0.98 U	0.98 U	**0.65 J**	9.8 U	9.8 U	2.5 U	2.0 U
Trimethylbenzene, 1,2,4-	2.5	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	9.8 U	2.5 U	2.0 U
Trimethylbenzene, 1,3,5-	1	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	9.8 U	2.5 U	2.0 U
Trimethylpentane, 2,2,4-	2	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**	9.3 U	2.3 U	1.9 U
Undecane, n-	2.3	1.3 U	**0.88 J**	**0.37 J**	**0.57 J**	**1.2 J**	1.3 U	2.6 U	**0.89 J**	1.3 U	**2.2**	13 U	13 U	3.2 U	2.6 U
Vinyl bromide	NE	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	8.7 U	2.2 U	1.8 U
Vinyl chloride	<0.25	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	5.1 U	1.3 U	1.0 U
Other (%)															
Carbon Dioxide	NE	NA	NA	NA	NA	NA	NA	NA	**10.7**	**3.31**	**16.7**	**20.4**	**20.5**	**16.7**	**15.3**
Helium	NE	**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	0.0183 U	0.0173 U	0.00368 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-25 11/11/2009	OU2SG-25 12/28/2009	OU2SG-25 1/18/2010	OU2SG-25 2/19/2010	OU2SG-25 3/20/2010	OU2SG-25 4/29/2010	OU2SG-25 6/25/2010	OU2SG-25 9/18/2010	OU2SG-26 8/13/2008	Duplicate of OU2SG-26 8/13/2008	OU2SG-26 9/23/2008	OU2SG-26 12/30/2008	OU2SG-26A 2/16/2009	Duplicate of OU2SG-26A 2/16/2009
BTEX (ug/m^3)															
Benzene	5.8	1.3 U	**0.38 J**	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	**0.32 J**	**0.35 J**	**0.29 J**	0.64 U	**0.64**	**0.30 J**	**0.28 J**
Toluene	21	1.5 U	**0.60 J**	**0.60 J**	1.5 U	**0.68 J**	**0.45 J**	**0.51 J**	**0.38 J**	**0.49 J**	**0.26 J**	**1.7**	**11**	**4.0 J**	**5.2 J**
Ethylbenzene	1.9	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	0.87 U	0.87 U	**1.3**	**22**	**11**	**14**
Xylene, m,p-	3.1	3.5 U	3.5 U	3.5 U	3.5 U	**0.95 J**	3.5 U	3.5 U	3.5 U	**0.30 J**	**0.26 J**	**8.6**	**44**	**39 J**	**56 J**
Xylene, o-	2.5	1.7 U	1.7 U	1.7 U	1.7 U	**0.52 J**	1.7 U	1.7 U	1.7 U	0.87 U	0.87 U	**3.2**	**46**	**29**	**32**
Other VOCs (ug/m^3)															
Acetaldehyde	NE	9.0 U	9.0 U	9.0 U	9.0 U	9.0 U	9.0 UJ	**20 J**	9.0 U	**26 J**	**37 J**	**9.7 J**	**3.2 J**	5.8 U	5.0 U
Acetone	58	**1.8 J**	**1.8 J**	4.8 U	**1.8 J**	**2.3 J**	**2.8 J**	**6.6 J**	**5.4 JB**	**9.0 J**	**6.6 J**	**6.2**	3.0 U	2.7 U	2.5 U
Acrolein (propenal)	NE	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	0.46 U	**0.27 J**	**0.25 J**	0.46 U	0.46 U	0.46 U
Allyl chloride	NE	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
Benzothiophene	NE	2.2 UJ	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	5.5 U	1.1 U	1.1 U	1.1 U	1.1 UJ	1.1 U	1.1 U
Bromodichloromethane	NE	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	**0.54 J**	**0.54 J**	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	NE	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	0.9	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 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-	NE	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 UJ	0.44 UJ
Butane	NE	**1.3**	0.95 U	**0.57 J**	0.95 U	**0.67 J**	**0.95**	**2.4**	**2.0**	**2.8**	**2.8**	0.48 U	**0.28 J**	**0.29 J**	**0.24 J**
Butanone, 2-	17	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	**2.1**	**2.4 J**	**1.6 J**	**1.6**	0.59 U	0.59 U	0.59 U
Carbon disulfide	NE	1.2 U	**0.37 J**	1.2 U	1.2 U	**0.56 J**	1.2 U	**2.0**	**1.1 J**	**1.5**	**1.5**	**0.34 J**	**1.2**	**0.63 J**	**0.39 J**
Carbon tetrachloride	1	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Chlorobenzene	<0.25	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Chloroethane	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U
Chloroform	0.5	**2.4**	2.0 U	2.0 U	2.0 U	**0.68 J**	**1.3 J**	**2.5**	**1.5 J**	**120**	**130**	**28**	**3.0**	**1.6**	**2.0**
Chloromethane	4.6	0.83 U	**1.3**	**1.3**	**1.2**	**2.0**	**3.0**	**13**	**6.0**	**0.60**	**0.64**	**0.31 J**	**0.20 J**	0.41 U	0.41 U
Chlorotoluene, 2-	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	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cryofluorane	1.3	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Cyclohexane	3	1.4 U	1.4 UJ	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	**0.17 J**	0.69 U	0.69 U	**0.28 J**	0.69 U	0.69 U
Decane, n-	3.6	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	**0.85 J**	2.3 U	**20**	**20**	**80**	**340**	**160**	**190**
Dibromochloromethane	NE	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 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-	<0.25	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 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-	0.9	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 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-	0.7	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	**0.42 J**	**0.36 J**	**1.7**	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,4-	0.8	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorodifluoromethane	11	**4.7**	**2.0**	**1.9 J**	**2.2**	**2.4**	**2.5**	**1.8 J**	**1.7 J**	**3.1**	**3.3**	**2.8**	**2.8**	**2.4**	**2.5**
Dichloroethane, 1,1-	<0.25	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	**0.44 J**	**0.44 J**	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethane, 1,2-	<0.25	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 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-	<0.25	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 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-	<0.25	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloropropane, 1,2-	<0.25	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 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	<0.25	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 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	<0.25	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 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-	NE	1.4 U	1.4 UJ	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Dodecane, n-	7.6	2.8 U	2.8 U	2.8 U	2.8 U	**1.7 J**	2.8 U	**1.8 J**	**0.97 J**	**13 J**	**12**	**28**	**24 J**	**22 J**	**24 J**
Ethanol	220	3.8 U	3.8 U	3.8 U	3.8 U	**3.4 J**	**4.0**	**1.5 J**	**1.5 J**	**8.6 J**	**5.7 J**	**12**	**4.6**	2.4 U	2.9 U
Ethylthiophene, 2-	NE	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Ethyltoluene, p-	NE	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.98 U	0.98 U	**2.3**	**26**	**19**	**21**
Heptane, n-	5.1	**0.49 J**	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	**0.53 J**	**0.37 J**	**0.33 J**	**1.6**	**0.50 J**	**0.61 J**
Hexachlorobutadiene	7	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U

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Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-25 11/11/2009	OU2SG-25 12/28/2009	OU2SG-25 1/18/2010	OU2SG-25 2/19/2010	OU2SG-25 3/20/2010	OU2SG-25 4/29/2010	OU2SG-25 6/25/2010	OU2SG-25 9/18/2010	OU2SG-26 8/13/2008	Duplicate of OU2SG-26 8/13/2008	OU2SG-26 9/23/2008	OU2SG-26 12/30/2008	OU2SG-26A 2/16/2009	Duplicate of OU2SG-26A 2/16/2009
Hexane, n-	3.6	**0.70 J**	**0.63 J**	1.4 U	1.4 U	**0.35 J**	**0.42 J**	**1.2 J**	**0.77 J**	**0.25 J**	0.70 U	0.70 U	**0.22 J**	0.70 UJ	0.70 UJ
Hexanone, 2-	NE	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 UJ	1.6 U	1.6 U	**1.6**	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	0.97 U	0.97 U	**1.3**	**17**	**12**	**12**
Indene	NE	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 UJ	1.9 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	NA
Methyl tert-butyl ether	5.9	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	**2.5**	**2.7**	0.72 U	0.72 U	0.72 U	0.72 U
Methyl-2-pentanone, 4-	2.9	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 UJ	1.6 U	1.6 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Methylene chloride	2.9	**1.9 J**	3.5 U	3.5 U	3.5 U	3.5 U	**1.6 J**	**2.4 J**	6.9 U	0.62 UJ	0.69 UJ	0.69 UJ	1.7 U	0.69 U	0.69 U
Methylnaphthalene, 1-	NE	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	5.8 U	5.8 U	5.8 U	1.2 U	1.2 U	1.2 U	R	**1.4 J**	**0.96 J**
Methylnaphthalene, 2-	NE	2.3 UJ	2.3 U	2.3 U	2.3 U	2.3 U	5.8 UJ	5.8 U	5.8 U	1.2 U	1.2 U	1.2 U	14 UJ	**2.3**	**1.2**
Methylthiophene, 2-	NE	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Methylthiophene, 3-	NE	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Naphthalene	10	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	**0.37 J**	**0.42 J**	**0.79 J**	1.0 UJ	1.0 U	1.0 U
Nonane	1.2	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	**0.37 J**	**0.37 J**	**13**	**240**	**140**	**140**
Octane, n-	2.1	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	**69**	**62**	**93**	**30**	**8.9**	**10**
Pentane	NE	**0.94 J**	1.2 U	**0.88 J**	1.2 U	**1.0 J**	**1.7**	**4.0**	**2.6**	**0.74**	**0.50 J**	0.59 U	0.59 U	0.59 U	0.59 U
Propanol, 2-	NE	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.52 U	0.49 U	0.49 U	0.48 UJ	0.68 U	0.64 U
Propylbenzene, n-	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.6	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	0.85 U	0.85 U	**0.21 J**	**0.77 J**	**0.74 J**	**0.92**
t-Butyl alcohol	NE	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.61 UJ	0.61 UJ	0.61 U	0.61 U	1.5 U	1.5 U
Tetrachloroethane, 1,1,2,2-	<0.25	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Tetrachloroethene	1.6	**0.68 J**	2.7 U	2.7 U	2.7 U	**8.5**	**0.81 J**	**3.0**	**2.8**	**6.0**	**6.0**	**3.2**	**2.2**	**0.79 J**	**1.1 J**
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	2.2 UJ	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	**0.38 J**	**0.38 J**	**3.6**	**74**	**58 J**	**39 J**
Thiophene	NE	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Trans-1,2-dichloroethene	NE	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 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-	3.6	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	**0.77 J**	3.1 U	3.1 U	**0.92 J**	**0.92 J**	**0.77 J**	**1.0 J**	**0.56 J**	**0.52 J**
Trichlorobenzene, 1,2,4-	4.8	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 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-	0.7	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	**1.6**	**1.7**	**0.76 J**	**0.28 J**	1.1 U	1.1 U
Trichloroethane, 1,1,2-	<0.25	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethene	0.5	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	**0.27 J**	**0.27 J**	1.1 U	1.1 U	1.1 U	1.1 U
Trichlorofluoromethane	6.1	**1.6 J**	**1.1 J**	**1.1 J**	**1.2 J**	**1.4 J**	**1.6 J**	**1.4 J**	**1.6 J**	**2.2**	**2.2**	**2.1**	**1.6**	**1.2**	**1.1 J**
Trimethylbenzene, 1,2,3-	0.6	2.0 U	2.0 U	2.0 U	2.0 U	**0.69 J**	2.0 U	2.0 U	2.0 U	**0.25 J**	**0.25 J**	**4.6**	**52**	**72**	**78**
Trimethylbenzene, 1,2,4-	2.5	2.0 UJ	2.0 U	2.0 U	2.0 U	**1.7 J**	2.0 U	2.0 U	2.0 U	**0.49 J**	**0.54 J**	**12**	**110**	**51**	**64**
Trimethylbenzene, 1,3,5-	1	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.98 U	0.98 U	**3.9**	**130**	**69**	**72**
Trimethylpentane, 2,2,4-	2	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	**0.47 J**	**0.37 J**	**0.42 J**	0.93 U	0.93 U	0.93 U
Undecane, n-	2.3	**0.89 J**	2.6 U	2.6 U	2.6 U	**1.0 J**	2.6 U	2.6 U	2.6 U	1.3 U	1.3 U	**22**	**160**	**94**	**79**
Vinyl bromide	NE	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl chloride	<0.25	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Other (%)															
Carbon Dioxide	NE	**2.06**	**12.2**	**8.2**	**7.61**	**10.9**	**13.2**	**17.8**	**14.4**	NA	NA	NA	NA	NA	NA
Helium	NE	0.0164 U	0.0152 U	0.0187 U	0.0148 U	0.0172 U	0.0182 U	0.0182 U	0.0213 U	0.0177 U	0.0175 U	0.0155 U	**0.0163**	**0.039**	**0.0175**

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	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	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
BTEX (ug/m^3)															
Benzene	5.8	0.64 U	**0.26 J**	**0.63 J**	**0.41 J**	0.64 U	0.64 U	**0.54 J**	**0.18 J**	**0.21 J**	**0.26 J**	**0.45 J**	**0.18 J**	**0.16 J**	0.64 U
Toluene	21	**0.41 J**	**1.2**	**5.7**	**3.6**	**0.63 J**	**0.80**	**11**	**0.47 J**	**1.8**	**1.3**	**1.7**	**2.8**	**1.4**	**4.3**
Ethylbenzene	1.9	**1.8**	**1.1 J**	**0.40 J**	**2.0 J**	**0.90 J**	**1.1 J**	**2.0 J**	**0.53 J**	**3.3 J**	**1.4**	**1.3**	**4.3 J**	**2.2**	**17**
Xylene, m,p-	3.1	**6.7**	**4.5**	**1.5 J**	**8.8**	**4.6**	**4.9**	**7.7**	**2.3**	**16**	**6.5**	**5.0**	**21**	**6.6**	**54**
Xylene, o-	2.5	**5.8**	**2.4**	**0.88**	**4.1**	**2.4**	**3.1**	**3.0**	**1.0**	**8.3**	**3.8 J**	**2.6 J**	**9.9**	**4.6**	**28**
Other VOCs (ug/m^3)															
Acetaldehyde	NE	7.0 U	**3.8 J**	1.8 UJ	**5.1 J**	4.6 U	**5.3**	**8.1 J**	2.3 U	2.4 U	3.7 U	2.6 U	1.8 U	3.6 U	**8.5**
Acetone	58	2.7 U	2.1 U	1.2 UJ	1.2 UJ	2.4 U	3.3 U	1.2 UJ	2.2 U	2.8 U	2.8 U	3.5 U	1.2 U	**3.9**	4.7 U
Acrolein (propenal)	NE	0.46 U	0.46 U	0.46 U	**0.24 J**	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	**0.34 J**	0.46 U	0.46 U	0.46 U	1.2 UJ
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	0.63 U
Benzothiophene	NE	1.1 U	2.7 UJ	2.7 UJ	2.7 UJ	2.7 U	2.7 UJ	2.7 U	2.7 U	2.7 U	1.1 U	1.1 U	2.7 UJ	14 UJ	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	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	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	0.78 U
Butadiene, 1,3-	NE	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	0.44 U	0.44 U
Butane	NE	**0.36 J**	0.48 U	**1.2**	**0.48**	0.48 U	0.48 U	**0.59**	**0.40 J**	0.48 U	**0.37 J**	**0.81**	**0.48**	**0.71**	0.48 U
Butanone, 2-	17	0.59 U	**0.29 J**	**0.67**	**0.63**	0.59 U	**0.47 J**	**0.90**	**0.56 J**	**0.70**	0.59 U	**0.62**	**0.31 J**	**0.44 J**	**0.80**
Carbon disulfide	NE	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	**0.28 J**	**0.18 J**	0.62 U	**0.17 J**	0.62 U	0.62 U	**1.2**
Carbon tetrachloride	1	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	<0.25	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	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	0.53 U
Chloroform	0.5	**1.8**	**1.6**	**1.7**	**1.8**	**2.4**	**2.5**	**1.6**	**1.4**	**1.7**	**1.7**	**1.6**	**1.7**	**1.8**	**2.9**
Chloromethane	4.6	0.41 U	**0.13 J**	**0.34 J**	**0.21 J**	0.41 U	0.41 U	**0.47**	**0.16 J**	**0.21 J**	**0.23 J**	**0.37 J**	**0.11 J**	0.41 U	**0.14 J**
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	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	1.4 U
Cyclohexane	3	0.69 U	0.69 U	**0.69**	0.69 U	0.69 U	0.69 U	**0.21 J**	0.69 U	0.69 U	0.69 U	**0.56 J**	0.69 U	0.69 U	0.69 U
Decane, n-	3.6	**160**	**38**	**34**	**41**	**14**	**18**	**10**	**3.2**	**20**	**10 J**	**0.92 J**	**33**	**29**	**350**
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	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	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	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	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	1.2 U
Dichlorodifluoromethane	11	**2.7**	**2.4**	**2.3**	**2.4**	**2.6**	**3.0**	**2.9**	**2.1**	**2.6**	**2.5**	**2.3**	**2.4**	**2.6**	**1.2**
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	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 UJ	0.81 U	0.81 U	0.81 UJ	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	**0.37 J**	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	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	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	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	0.91 U
Dioxane, 1,4-	NE	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 UJ
Dodecane, n-	7.6	**60 J**	**16 J**	**37 J**	**29 J**	**37**	**23 J**	**12 J**	**6.8 J**	**10 J**	**4.8 J**	1.4 UJ	**9.8 J**	**14**	**47**
Ethanol	220	3.0 U	**4.8**	**1.6 J**	**6.8**	**3.3 J**	**4.4 J**	**8.6**	**3.4 J**	**5.5**	**3.3 J**	**4.4 J**	**2.1 J**	**1.7 J**	**6.8**
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	0.92 U
Ethyltoluene, p-	NE	**8.2**	**2.1**	**1.1**	**2.8**	**1.4**	**1.9**	**0.94 J**	**0.58 J**	**5.6**	**2.4 J**	**1.1 J**	**6.7**	**4.3**	**37**
Heptane, n-	5.1	0.82 U	**0.20 J**	**0.69 J**	**0.71 J**	0.82 U	0.82 U	**0.41 J**	0.82 U	0.82 U	0.82 UJ	**0.43 J**	**0.23 J**	**0.33 J**	**0.37 J**
Hexachlorobutadiene	7	2.1 U	2.1 UJ	2.1 UJ	2.1 UJ	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

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	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	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
Hexane, n-	3.6	0.70 UJ	0.70 U	**0.88**	**0.36 J**	0.70 U	0.70 U	**0.41 J**	0.70 U	0.70 U	**0.19 J**	**0.51 J**	0.70 U	**0.32 J**	0.70 U
Hexanone, 2-	NE	0.82 U	2.0 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	0.82 U	2.0 U	0.82 U	**0.53 J**
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	**8.5**	**2.9**	**2.4**	**3.1**	**2.0**	**2.3**	**0.76 J**	**0.53 J**	**4.3**	**1.9**	**0.92 J**	**5.2**	**3.5**	**89**
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	0.95 U
Isopropyl benzene	0.4	NA	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 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	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 UJ	0.82 UJ	0.82 U	0.82 U	**0.70 J**
Methylene chloride	2.9	0.69 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	0.69 U	0.69 U	1.7 U	1.7 U	**0.97 J**
Methylnaphthalene, 1-	NE	**3.0 J**	2.9 UJ	**2.7 J**	**2.4 J**	**2.9 J**	2.9 UJ	**0.52 J**	**0.98 J**	**1.1 J**	1.2 UJ	1.2 UJ	2.9 UJ	5.8 U	**6.9 J**
Methylnaphthalene, 2-	NE	**4.8**	2.9 UJ	**2.8 J**	**2.7 J**	**4.0 J**	2.9 UJ	**0.87 J**	**1.1 J**	**0.85 J**	1.2 UJ	1.2 UJ	2.9 UJ	5.8 U	**13**
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	0.80 U	0.80 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	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	**0.39 J**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	**73**
Nonane	1.2	**33**	**8.5**	**3.3**	**12**	**2.0**	**2.5**	**2.0**	**2.1**	**16**	**7.9 J**	**3.9 J**	**26**	**16**	**170**
Octane, n-	2.1	**1.2**	**1.1**	**0.37 J**	**2.8**	0.93 U	**0.30 J**	**0.96**	**0.47 J**	**2.6**	**0.89 J**	**0.85 J**	**3.9**	**2.2**	**13**
Pentane	NE	0.59 U	0.59 U	**1.8**	**5.8**	0.59 U	0.59 U	**13**	**0.31 J**	0.59 U	**0.31 J**	**1.2 J**	**0.40 J**	**0.44 J**	0.59 U
Propanol, 2-	NE	0.60 U	1.2 U	1.2 U	**1.1 J**	1.2 U	1.2 U	**2.7**	**0.42 J**	1.2 U	1.2 U	1.2 U	1.2 U	**0.79**	1.2 U
Propylbenzene, n-	0.5	NA	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	**0.25 J**	0.85 U	**0.71 J**	**0.65 J**	0.85 U	**0.38 J**	0.85 U	0.85 U	**0.34 J**	0.85 U	**0.60 J**
t-Butyl alcohol	NE	1.5 U	**0.21 J**	0.61 U	0.61 U	**0.30 J**	**0.26 J**	**0.30 J**	**0.48 J**	**0.27 J**	1.5 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	1.4 U	1.4 U
Tetrachloroethene	1.6	**0.36 J**	**0.35 J**	**0.44 J**	**0.61 J**	**0.45 J**	**0.38 J**	**0.64 J**	1.4 U	**0.44 J**	1.4 U	1.4 U	**0.52 J**	**0.41 J**	**2.8**
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	**74 J**	**26**	**31**	**31**	**23 J**	**33 J**	**4.9**	**3.4 J**	**15 J**	**6.2 J**	1.1 UJ	**17**	**33 J**	**200 J**
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	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	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	**0.46 J**	**0.70 J**	**0.41 J**	1.5 U	**0.47 J**	**0.48 J**	**0.46 J**	1.5 U	**0.63 J**	**0.39 J**	1.5 U	**0.42 J**	**0.54 J**	**0.61 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	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	**0.40 J**	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	1.1 U
Trichloroethene	0.5	**0.39 J**	1.1 U	**0.55 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
Trichlorofluoromethane	6.1	**1.1 J**	**1.0 J**	**0.90 J**	**0.96 J**	**1.1 J**	**1.2**	**1.2**	**0.81 J**	**1.1 J**	**1.0 J**	**1.0 J**	**1.0 J**	**1.2**	**1.4**
Trimethylbenzene, 1,2,3-	0.6	**46**	**15**	**12**	**16**	**9.0**	**10**	**3.2**	**2.2**	**20**	**8.2 J**	**1.5 J**	**25**	**17**	**69**
Trimethylbenzene, 1,2,4-	2.5	**32**	**8.2**	**5.1**	**10**	**6.1 J**	**7.7**	**3.2 J**	**2.0**	**19**	**8.3 J**	**2.0 J**	**23**	**9.1**	**85**
Trimethylbenzene, 1,3,5-	1	**27**	**6.9**	**3.8**	**8.3**	**4.1 J**	**5.1**	**2.3 J**	**1.3**	**14**	**5.9 J**	**2.2 J**	**17**	**8.1**	**78**
Trimethylpentane, 2,2,4-	2	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-	2.3	**140**	**57**	**78**	**76**	**50 J**	**68 J**	**24**	**8.0**	**21**	**7.6 J**	1.3 UJ	**20**	**21**	**180**
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	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	0.51 U
Other (%)															
Carbon Dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**4.48**	**5.3**
Helium	NE	**0.0188**	**0.029**	**0.0153**	**0.017**	**0.0357**	0.0161 U	**0.0157**	**0.0157**	**0.0167**	**0.0181**	**0.0153**	0.0158 U	**0.0204**	0.0182 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	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	OU2SG-26 10/30/2009	OU2SG-26 11/11/2009	OU2SG-26 12/28/2009	OU2SG-26 1/18/2010	OU2SG-26 2/19/2010	Duplicate of: OU2SG-26 2/19/2010	OU2SG-26 3/20/2010	OU2SG-26 4/29/2010	Duplicate of: OU2SG-26 4/29/2010
BTEX (ug/m^3)															
Benzene	5.8	0.64 U	**0.16 J**	1.3 U	**0.35 J**	1.6 U	1.3 U	**0.32 J**	1.3 U	1.3 U	1.3 U	1.3 U	**0.64 J**	1.3 U	1.3 U
Toluene	21	**4.3**	**2.0**	**2.5**	**2.8**	**1.8 J**	**0.75 J**	**0.45 J**	1.5 U	**0.83 J**	**3.0**	**2.9**	**2.0**	**0.68 J**	**0.53 J**
Ethylbenzene	1.9	**10**	**6.4**	**6.2**	**11 J**	**1.8 J**	**0.61 J**	1.7 U	1.7 U	1.7 U	**0.95 J**	**0.95 J**	1.7 U	1.7 U	1.7 U
Xylene, m,p-	3.1	**39**	**27**	**24**	**57 J**	**8.6**	**2.1 J**	**1.2 J**	3.5 U	3.5 U	**3.0 J**	**3.0 J**	**0.87 J**	**1.3 J**	**1.4 J**
Xylene, o-	2.5	**18**	**14**	**14**	**34 J**	**4.4**	**1.5 J**	**0.78 J**	1.7 U	1.7 U	**1.3 J**	**1.2 J**	1.7 U	**0.95 J**	**0.87 J**
Other VOCs (ug/m^3)															
Acetaldehyde	NE	4.5 U	**9.4 J**	**12 J**	**26 J**	6.3 U	9.0 UJ	9.0 U	9.0 U	**2.3 J**	9.0 U	9.0 U	**11**	**7.7 J**	**6.8 J**
Acetone	58	3.2 U	5.1 U	6.5 U	**5.9 J**	3.9 U	3.6 U	**1.5 J**	**0.95 J**	4.8 U	**1.0 J**	3.6 U	**6.4 J**	**3.1 J**	**2.4 J**
Acrolein (propenal)	NE	1.2 U	1.2 U	2.3 U	1.2 U	2.9 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U
Allyl chloride	NE	0.63 U	0.63 U	1.2 U	0.63 U	1.6 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	1.2 U
Benzothiophene	NE	1.1 U	1.1 UJ	2.2 UJ	1.1 UJ	2.7 U	2.2 UJ	2.2 UJ	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
Bromodichloromethane	NE	1.3 U	1.3 U	2.7 U	1.3 U	3.4 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
Bromoform	NE	2.1 U	2.1 U	4.1 U	2.1 U	5.2 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U
Bromomethane	0.9	0.78 U	0.78 U	1.6 U	0.78 U	1.9 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Butadiene, 1,3-	NE	0.44 U	0.44 U	0.88 U	0.44 U	1.1 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U
Butane	NE	0.48 U	0.48 U	**0.43 J**	0.48 U	**0.48 J**	**0.95 J**	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	**1.8**	0.95 U	0.95 U
Butanone, 2-	17	**0.81**	**1.3**	**1.2**	**1.3**	1.5 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	**1.0 J**	1.2 UJ	**2.5 J**
Carbon disulfide	NE	**1.6**	0.81 U	**1.3**	**1.6 J**	1.6 U	1.2 U	1.2 U	**0.31 J**	1.2 U	1.2 U	1.2 U	**0.87 J**	1.2 U	1.2 U
Carbon tetrachloride	1	1.3 U	1.3 U	2.5 U	1.3 U	3.1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chlorobenzene	<0.25	0.92 U	0.92 U	1.8 U	0.92 U	2.3 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Chloroethane	0.4	0.53 U	0.53 U	1.0 U	0.53 U	1.3 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
Chloroform	0.5	**3.0**	**5.3**	**5.2**	**5.6**	**4.8**	**1.5 J**	**1.2 J**	**0.68 J**	2.0 U	2.0 U	2.0 U	2.0 U	**0.98 J**	**0.98 J**
Chloromethane	4.6	0.41 U	**0.27 J**	**0.45 J**	**0.23 J**	1.0 U	0.83 U	0.83 U	0.83 U	**0.21 J**	0.83 U	0.83 U	**0.58 J**	0.83 U	0.83 U
Chlorotoluene, 2-	NE	1.0 U	1.0 U	2.1 U	1.0 U	2.6 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
Cryofluorane	1.3	1.4 U	1.4 U	2.8 U	1.4 U	3.5 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U
Cyclohexane	3	0.69 U	0.69 U	1.4 U	0.69 U	1.7 U	1.4 U	1.4 U	1.4 UJ	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Decane, n-	3.6	**72**	**23**	**20**	**31**	2.9 U	2.3 U	2.3 U	**0.93 J**	**1.9 J**	**1.2 J**	**1.2 J**	**0.70 J**	**0.81 J**	**0.93 J**
Dibromochloromethane	NE	1.7 U	1.7 U	3.4 U	1.7 U	4.3 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U
Dibromoethane, 1,2-	<0.25	1.5 U	1.5 U	3.1 U	1.5 U	3.8 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Dichlorobenzene, 1,2-	0.9	1.2 U	1.2 U	2.4 U	1.2 U	3.0 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U
Dichlorobenzene, 1,3-	0.7	1.2 U	1.2 U	2.4 U	1.2 U	3.0 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U
Dichlorobenzene, 1,4-	0.8	1.2 U	1.2 U	2.4 U	1.2 U	3.0 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U
Dichlorodifluoromethane	11	**0.98 J**	**1.9**	**2.3**	**2.0**	**2.1 J**	**2.3**	**2.2**	**2.4**	**1.8 J**	**2.0**	**1.8 J**	**2.3**	**2.1**	**2.3**
Dichloroethane, 1,1-	<0.25	0.81 U	0.81 U	1.6 U	0.81 U	2.0 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Dichloroethane, 1,2-	<0.25	0.81 U	0.81 U	1.6 U	0.81 U	2.0 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Dichloroethene, 1,1-	<0.25	0.79 U	0.79 U	1.6 U	0.79 U	2.0 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Dichloroethene, cis-1,2-	<0.25	0.79 U	0.79 U	1.6 U	0.79 U	2.0 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Dichloropropane, 1,2-	<0.25	0.92 U	0.92 U	1.8 U	0.92 U	2.3 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Dichloropropene, cis-1,3	<0.25	0.91 U	0.91 U	1.8 U	0.91 U	2.3 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Dichloropropene, trans-1,3	<0.25	0.91 U	0.91 U	1.8 U	0.91 U	2.3 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Dioxane, 1,4-	NE	0.72 UJ	0.72 U	1.4 U	0.72 U	1.8 U	1.4 U	1.4 U	1.4 UJ	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Dodecane, n-	7.6	**16**	1.4 UJ	**19 J**	**7.0 J**	3.5 U	2.8 U	2.8 U	**0.84 J**	2.8 U	2.8 U	**1.2 J**	**1.4 J**	**1.8 J**	**1.7 J**
Ethanol	220	**5.8**	**3.9**	**4.9**	**4.9**	**5.6**	**2.0 J**	**1.4 J**	**0.94 J**	3.8 U	**1.0 J**	3.8 U	**4.8**	**2.3 J**	**1.9 J**
Ethylthiophene, 2-	NE	0.92 U	0.92 U	1.8 U	0.92 U	2.3 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Ethyltoluene, p-	NE	**23**	**24**	**21**	**55 J**	**4.3**	**1.2 J**	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**0.88 J**	**0.98 J**
Heptane, n-	5.1	**0.42 J**	0.82 U	1.6 U	0.82 U	2.0 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Hexachlorobutadiene	7	2.1 U	2.1 U	4.3 U	2.1 U	5.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	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	OU2SG-26 10/30/2009	OU2SG-26 11/11/2009	OU2SG-26 12/28/2009	OU2SG-26 1/18/2010	OU2SG-26 2/19/2010	Duplicate of: OU2SG-26 2/19/2010	OU2SG-26 3/20/2010	OU2SG-26 4/29/2010	Duplicate of: OU2SG-26 4/29/2010
Hexane, n-	3.6	0.70 U	0.70 U	1.4 U	0.70 U	1.8 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	**0.49 J**	1.4 U	1.4 U
Hexanone, 2-	NE	**2.5**	**1.6**	**1.6 J**	**1.0**	2.0 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 UJ	1.6 UJ
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	**15**	**18**	**16**	**43**	**3.0**	**0.87 J**	**0.58 J**	1.9 U	1.9 U	**0.48 J**	1.9 U	1.9 U	**1.2 J**	**1.4 J**
Indene	NE	0.95 U	0.95 U	1.9 U	0.95 U	2.4 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Isopropyl benzene	0.4	NA	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	1.4 U	0.72 U	1.8 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
Methyl-2-pentanone, 4-	2.9	**1.5**	**1.8**	**2.0**	**7.1**	**1.3 J**	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 UJ	1.6 UJ
Methylene chloride	2.9	1.8 U	1.7 U	3.4 U	**0.83 J**	**1.6 J**	3.5 U	**1.7 J**	3.5 U	3.5 U	3.5 U	3.5 U	**1.2 J**	3.5 U	3.5 U
Methylnaphthalene, 1-	NE	**2.6 J**	**4.6 J**	**12 J**	**4.9 J**	2.9 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	**1.0 J**	5.8 U	5.8 U
Methylnaphthalene, 2-	NE	**3.5**	**7.1 J**	**15 J**	**6.7 J**	2.9 U	2.3 UJ	2.3 UJ	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	5.8 UJ	5.8 UJ
Methylthiophene, 2-	NE	0.80 U	0.80 U	1.6 U	0.80 U	2.0 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Methylthiophene, 3-	NE	0.80 U	0.80 U	1.6 U	0.80 U	2.0 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Naphthalene	10	**13**	**14**	**14**	**9.4**	2.6 U	2.0 U	2.1 U	2.1 U	2.1 U	**0.63 J**	**0.73 J**	**1.3 J**	**0.84 J**	2.1 U
Nonane	1.2	**74**	**10**	**9.3**	**11**	2.6 U	**1.0 J**	2.1 U	2.1 U	**1.7 J**	**1.9 J**	**1.5 J**	2.1 U	2.1 U	2.1 U
Octane, n-	2.1	**13**	**1.4**	**1.4 J**	**0.98**	2.3 U	1.9 U	1.9 U	1.9 U	1.9 U	**0.65 J**	1.9 U	1.9 U	1.9 U	1.9 U
Pentane	NE	0.59 U	0.59 U	1.2 U	0.59 U	1.5 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	**1.2**	1.2 U	1.2 U
Propanol, 2-	NE	1.2 U	1.2 U	2.4 U	1.2 U	3.0 U	**1.4 J**	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Propylbenzene, n-	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.6	**0.46 J**	**0.43 J**	1.7 U	**0.72 J**	2.1 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	1.7 U
t-Butyl alcohol	NE	0.61 U	0.61 U	1.2 U	0.61 U	1.5 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
Tetrachloroethane, 1,1,2,2-	<0.25	1.4 U	1.4 U	2.7 U	1.4 U	3.4 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
Tetrachloroethene	1.6	**3.6**	**2.9**	**2.4 J**	**2.6**	**1.5 J**	**0.95 J**	**0.68 J**	2.7 U	2.7 U	2.7 U	2.7 U	**0.81 J**	**0.81 J**	**0.81 J**
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	**71 J**	**75**	**68 J**	**61**	**11 J**	**4.1 J**	**2.7 J**	2.2 U	2.2 U	2.2 U	**0.55 J**	**1.2 J**	**4.5**	**4.9**
Thiophene	NE	0.69 U	0.69 U	1.4 U	0.69 U	1.7 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
Trans-1,2-dichloroethene	NE	0.79 U	0.79 U	1.6 U	0.79 U	2.0 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	**0.57 J**	**0.61 J**	3.1 U	**0.46 J**	3.8 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Trichlorobenzene, 1,2,4-	4.8	1.5 U	1.5 U	3.0 U	1.5 U	3.7 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Trichloroethane, 1,1,1-	0.7	1.1 U	1.1 U	2.2 U	1.1 U	2.7 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
Trichloroethane, 1,1,2-	<0.25	1.1 U	1.1 U	2.2 U	1.1 U	2.7 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
Trichloroethene	0.5	**0.31 J**	1.1 U	2.2 U	1.1 U	2.7 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
Trichlorofluoromethane	6.1	**1.6**	**3.0**	**3.0**	**3.8**	**5.5**	**3.3**	**2.9**	**2.1 J**	**1.6 J**	**1.6 J**	**1.4 J**	**1.7 J**	**2.6**	**2.6**
Trimethylbenzene, 1,2,3-	0.6	**27**	**39**	**34**	**120**	**8.8**	**2.8**	**1.5 J**	2.0 U	**0.69 J**	**0.69 J**	**0.79 J**	2.0 U	**4.6**	**5.2**
Trimethylbenzene, 1,2,4-	2.5	**54**	**66**	**57**	**190**	**15**	**3.1**	**2.2 J**	2.0 U	**0.79 J**	**1.1 J**	**1.1 J**	**0.59 J**	**3.7**	**4.1**
Trimethylbenzene, 1,3,5-	1	**38**	**46**	**40**	**110**	**9.0**	**2.6**	**1.2 J**	2.0 U	2.0 U	**0.49 J**	**0.59 J**	2.0 U	**1.9 J**	**2.2**
Trimethylpentane, 2,2,4-	2	0.93 U	0.93 U	1.9 U	0.93 U	2.3 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Undecane, n-	2.3	**33**	1.3 UJ	2.6 UJ	1.3 U	3.2 U	2.6 U	2.6 U	**0.89 J**	2.6 U	**0.77 J**	**1.0 J**	**1.0 J**	**0.89 J**	2.6 U
Vinyl bromide	NE	0.87 UJ	0.87 U	1.8 U	0.87 U	2.2 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Vinyl chloride	<0.25	0.51 U	0.51 U	1.0 U	0.51 U	1.3 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
Other (%)															
Carbon Dioxide	NE	**6.27**	**8.53**	**8.58**	**9.93**	**9.21**	**7.89**	**6.98**	**5.29**	**4.36**	**4.07**	**4.11**	**2.34**	**5.07**	**5.15**
Helium	NE	**0.0226**	0.0226 U	0.0205 U	0.0196 U	**0.082**	0.00352 U	0.0152 U	0.0164 U	0.0159 U	0.0181 U	0.017 U	0.0142 U	0.0189 U	0.0181 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-26 6/25/2010	Duplicate of: OU2SG-26 6/25/2010	OU2SG-26 9/18/2010	OU2SG-28 3/19/2009	OU2SG-28A 3/31/2009	OU2SG-28P 3/31/2009	OU2SG-28A 4/1/2009	OU2SG-28P 4/1/2009	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
BTEX (ug/m^3)															
Benzene	5.8	1.3 U	1.3 U	1.3 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	0.64 U
Toluene	21	1.5 U	1.5 U	**0.45 J**	**0.67 J**	**0.26 J**	**0.30 J**	**0.27 J**	**0.40 J**	**0.36 J**	**0.63 J**	**0.31 J**	**0.60 J**	**0.56 J**	**0.60 J**
Ethylbenzene	1.9	1.7 U	1.7 U	1.7 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	**0.23 J**	**0.26 J**
Xylene, m,p-	3.1	3.5 U	3.5 U	3.5 U	**0.49 J**	**0.25 J**	**0.25 J**	1.7 U	1.7 U	1.7 U	**0.45 J**	1.7 U	**0.48 J**	**0.77 J**	**0.87 J**
Xylene, o-	2.5	**0.52 J**	**0.47 J**	1.7 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	**0.22 J**	**0.22 J**
Other VOCs (ug/m^3)															
Acetaldehyde	NE	**16**	**20**	**9.0 J**	1.8 U	2.5 U	3.9 U	1.8 UJ	3.6 U	3.6 U	3.6 U	3.6 U	**3.6 J**	3.6 U	3.6 U
Acetone	58	**4.4 J**	**7.4**	**5.1 JB**	2.4 U	1.8 U	**2.6 J**	1.8 UJ	2.1 U	2.8 U	1.8 U	1.8 U	**1.4 J**	**1.8 J**	1.8 U
Acrolein (propenal)	NE	2.3 U	2.3 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	0.46 U	0.46 U	0.46 U	0.46 U
Allyl chloride	NE	1.2 U	1.2 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	0.63 U
Benzothiophene	NE	2.2 U	2.2 U	5.5 U	1.1 U	2.7 U	2.7 U	2.7 U	14 UJ	14 UJ	14 UJ	14 UJ	14 UJ	14 UJ	14 UJ
Bromodichloromethane	NE	2.7 U	2.7 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	1.3 U	1.3 U
Bromoform	NE	4.1 U	4.1 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	2.1 U
Bromomethane	0.9	1.6 U	1.6 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	0.78 U
Butadiene, 1,3-	NE	0.88 U	0.88 U	0.88 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	NE	0.95 U	0.95 U	0.95 U	**0.43 J**	**1.3**	**2.3 J**	**0.63 J**	**0.56**	**0.69**	**0.69**	**0.45 J**	**0.48**	**0.51**	**0.36 J**
Butanone, 2-	17	1.2 U	1.2 U	**0.53 J**	0.59 U	0.59 U	0.59 U	0.59 U	**0.39 J**	**1.1**	**0.33 J**	**0.37 J**	**0.38 J**	**0.34 J**	**0.47 J**
Carbon disulfide	NE	1.2 U	1.2 U	1.2 U	**0.49 J**	**1.7**	**2.0 J**	**1.7 J**	0.96 U	**1.3**	1.1 U	0.80 U	**2.0**	**2.3**	1.9 U
Carbon tetrachloride	1	2.5 U	2.5 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	1.3 U
Chlorobenzene	<0.25	1.8 U	1.8 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	0.92 U
Chloroethane	0.4	1.0 U	1.0 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	0.53 U
Chloroform	0.5	**3.7**	**3.2**	**2.5**	**5.8**	**5.6**	**5.1 J**	**5.6 J**	**4.9**	**5.0**	**5.0**	**4.8**	**5.3**	**5.1**	**4.8**
Chloromethane	4.6	**0.35 J**	**0.31 J**	**0.45 J**	0.41 U	0.41 U	**0.14 J**	0.41 U	**0.13 J**	**0.15 J**	**0.12 J**	**0.19 J**	**0.10 J**	**0.13 J**	0.41 U
Chlorotoluene, 2-	NE	2.1 U	2.1 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	1.0 U	1.0 U
Cryofluorane	1.3	2.8 U	2.8 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	1.4 U
Cyclohexane	3	1.4 U	1.4 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	**0.28 J**	0.69 U
Decane, n-	3.6	**2.9**	**3.5**	2.3 U	**0.33 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	**0.33 J**	1.2 U
Dibromochloromethane	NE	3.4 U	3.4 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	1.7 U
Dibromoethane, 1,2-	<0.25	3.1 U	3.1 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	1.5 U
Dichlorobenzene, 1,2-	0.9	2.4 U	2.4 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	1.2 U
Dichlorobenzene, 1,3-	0.7	2.4 U	2.4 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	1.2 U
Dichlorobenzene, 1,4-	0.8	2.4 U	2.4 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	1.2 U
Dichlorodifluoromethane	11	**2.1**	**1.7 J**	**1.8 J**	**2.3**	**2.7**	**2.5 J**	**2.6 J**	**2.9**	**2.8**	**2.9**	**2.8**	**2.9**	**2.9**	**2.8**
Dichloroethane, 1,1-	<0.25	1.6 U	1.6 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	0.81 U
Dichloroethane, 1,2-	<0.25	1.6 U	1.6 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	0.81 U
Dichloroethene, 1,1-	<0.25	1.6 U	1.6 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	0.79 U
Dichloroethene, cis-1,2-	<0.25	1.6 U	1.6 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	0.79 U
Dichloropropane, 1,2-	<0.25	1.8 U	1.8 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	0.92 U
Dichloropropene, cis-1,3	<0.25	1.8 U	1.8 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	0.91 U
Dichloropropene, trans-1,3	<0.25	1.8 U	1.8 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	0.91 U
Dioxane, 1,4-	NE	1.4 U	1.4 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	0.72 U
Dodecane, n-	7.6	**8.4**	**8.9**	**1.7 J**	**0.86 J**	**0.85 J**	**0.48 J**	**0.71 J**	**1.2 J**	**0.68 J**	**0.54 J**	**0.65 J**	**0.70 J**	**1.4 J**	**0.42 J**
Ethanol	220	**2.5 J**	**2.8 J**	**1.3 J**	**3.8**	**1.5 J**	**5.1 J**	**1.1 J**	**1.2 J**	**1.1 J**	**5.6**	**0.63 J**	**1.4 J**	**1.1 J**	**1.1 J**
Ethylthiophene, 2-	NE	1.8 U	1.8 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	0.92 U
Ethyltoluene, p-	NE	**0.59 J**	**0.67 J**	2.0 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	1.6 U	1.6 U	1.6 U	0.82 U	**0.49 J**	**1.2 J**	**0.97 J**	**0.52 J**	0.82 U	**1.9**	**0.75 J**	**0.94**	0.82 U	**0.90**
Hexachlorobutadiene	7	4.3 U	4.3 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 U	2.1 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-26 6/25/2010	Duplicate of: OU2SG-26 6/25/2010	OU2SG-26 9/18/2010	OU2SG-28 3/19/2009	OU2SG-28A 3/31/2009	OU2SG-28P 3/31/2009	OU2SG-28A 4/1/2009	OU2SG-28P 4/1/2009	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
Hexane, n-	3.6	1.4 U	1.4 U	1.4 U	0.70 U	**0.39 J**	**1.2 J**	0.70 U	0.70 U	0.70 U	**0.36 J**	0.70 U	0.70 U	0.70 U	0.70 U
Hexanone, 2-	NE	1.6 U	1.6 U	1.6 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	0.82 U	0.82 U
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	**1.1 J**	**1.3 J**	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	0.97 U
Indene	NE	1.9 UJ	1.9 UJ	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	0.95 U
Isopropyl benzene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	5.9	1.4 U	1.4 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	0.72 U
Methyl-2-pentanone, 4-	2.9	1.6 U	1.6 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	0.82 U	0.82 U
Methylene chloride	2.9	**1.9 J**	6.9 U	6.9 U	1.7 U	1.7 U	1.7 U	2.8 U	2.1 U	2.4 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Methylnaphthalene, 1-	NE	**3.0 J**	**2.3 J**	5.8 U	1.2 U	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-	NE	**5.4 J**	**4.7 J**	5.8 U	1.2 U	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
Methylthiophene, 2-	NE	1.6 U	1.6 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	0.80 U	0.80 U
Methylthiophene, 3-	NE	1.6 U	1.6 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	0.80 U	0.80 U
Naphthalene	10	**2.7 J**	**3.0 J**	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	**0.42 J**	1.0 U
Nonane	1.2	**0.86 J**	**1.0 J**	2.1 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	1.0 U	1.0 U
Octane, n-	2.1	1.9 U	1.9 U	1.9 U	0.93 U	0.93 U	**0.43 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
Pentane	NE	1.2 U	1.2 U	1.2 U	**0.31 J**	**1.1**	**1.8 J**	**0.64 J**	**0.38 J**	**0.50 J**	**0.54 J**	**0.27 J**	**0.38 J**	**0.39 J**	**0.41 J**
Propanol, 2-	NE	2.5 U	2.5 U	2.5 U	1.2 U	1.2 U	**1.2 J**	1.2 U	**0.61**	**2.8**	0.51 U	0.49 U	0.49 U	0.49 U	0.49 U
Propylbenzene, n-	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.6	1.7 U	1.7 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	**0.45 J**	0.85 U	0.85 U	0.85 U
t-Butyl alcohol	NE	1.2 U	1.2 U	1.2 U	**0.28 J**	0.61 U	0.61 U	0.61 U	**0.18 J**	**0.18 J**	**0.37 J**	**0.21 J**	0.61 U	**0.19 J**	0.61 U
Tetrachloroethane, 1,1,2,2-	<0.25	2.7 U	2.7 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	1.4 U
Tetrachloroethene	1.6	**2.2 J**	**2.4 J**	**1.6 J**	1.4 U	**0.47 J**	1.4 U	**0.36 J**	**0.46 J**	**0.63 J**	**0.54 J**	**0.79 J**	**0.54 J**	**0.54 J**	**0.47 J**
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	**4.3**	**4.6**	2.2 U	1.1 U	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
Thiophene	NE	1.4 U	1.4 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	0.69 U
Trans-1,2-dichloroethene	NE	1.6 U	1.6 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	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	3.1 U	**0.90 J**	3.1 U	**0.51 J**	**0.49 J**	**0.39 J**	**0.44 J**	**0.57 J**	**0.65 J**	**0.60 J**	**0.57 J**	**0.61 J**	**0.58 J**	**0.54 J**
Trichlorobenzene, 1,2,4-	4.8	3.0 U	3.0 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	1.5 U
Trichloroethane, 1,1,1-	0.7	2.2 U	2.2 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	1.1 U
Trichloroethane, 1,1,2-	<0.25	2.2 U	2.2 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	1.1 U
Trichloroethene	0.5	2.2 U	2.2 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	1.1 U
Trichlorofluoromethane	6.1	**2.8**	**3.1**	**3.7**	**1.3**	**1.5**	**1.4 J**	**1.5 J**	**1.5**	**1.6**	**1.6**	**1.6**	**1.6**	**1.8**	**1.6**
Trimethylbenzene, 1,2,3-	0.6	**3.9**	**4.3**	2.0 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-	2.5	**3.8 J**	**3.8 J**	2.0 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-	1	**2.0**	**2.1**	2.0 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	1.9 U	1.9 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	0.93 U	0.93 U	0.93 U	0.93 U
Undecane, n-	2.3	**4.2 J**	**4.6 J**	2.6 U	**0.33 J**	1.3 U	**0.39 J**	1.3 U	**0.38 J**	1.3 U	1.3 U	1.3 U	1.3 U	**0.65 J**	1.3 U
Vinyl bromide	NE	1.8 U	1.8 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	0.87 U
Vinyl chloride	<0.25	1.0 U	1.0 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	0.51 U
Other (%)															
Carbon Dioxide	NE	**7.23**	**8.03**	**9.49**	NA	**0.272**	0.221 U	**1.83**	**1.8**	**1.57**	**5.82**	**1.95**	**1.92**	**1.75**	**2.05**
Helium	NE	0.0162 U	0.0182 U	**0.0172**	0.0159 U	0.0167 U	0.0221 U	**0.0188**	**0.0191**	**0.0157**	**0.0176**	**0.0164**	**0.0188**	**0.0182**	**0.0213**

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	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-28 10/14/2009	OU2SG-28 11/17/2009	OU2SG-28 12/28/2009	OU2SG-28 1/14/2010	OU2SG-28 2/23/2010	OU2SG-28 3/19/2010	OU2SG-28 4/19/2010
BTEX (ug/m^3)															
Benzene	5.8	**0.18 J**	0.64 U	0.64 U	**0.31 J**	**0.18 J**	0.64 U	1.6 U	1.6 U	1.3 U	1.3 U	0.64 U	**0.38 J**	1.3 U	1.3 U
Toluene	21	**0.83**	**0.35 J**	**0.79**	**0.94**	**0.69 J**	**0.60 J**	1.9 U	1.9 U	1.5 U	1.5 U	**0.34 J**	1.5 U	1.5 U	1.5 U
Ethylbenzene	1.9	**0.31 J**	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	2.2 U	2.2 U	1.7 U	1.7 U	0.87 U	1.7 U	1.7 U	1.7 U
Xylene, m,p-	3.1	**1.1 J**	1.7 U	**0.52 J**	1.7 U	**0.43 J**	**0.43 J**	4.3 U	4.3 U	3.5 U	3.5 U	1.7 U	3.5 U	3.5 U	3.5 U
Xylene, o-	2.5	**0.35 J**	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	2.2 U	2.2 U	1.7 U	1.7 U	0.87 U	1.7 U	1.7 U	1.7 U
Other VOCs (ug/m^3)															
Acetaldehyde	NE	4.5 U	4.5 U	4.9 U	4.5 U	**8.3 J**	**14 J**	5.8 U	7.7 U	**4.0 J**	9.0 U	4.5 U	9.0 UJ	9.0 U	9.0 U
Acetone	58	**2.5 J**	**2.3 J**	2.6 U	2.6 U	**3.1 J**	**4.3 J**	3.2 U	4.5 U	**2.2 J**	**0.95 J**	2.4 U	4.8 U	**1.3 J**	4.8 U
Acrolein (propenal)	NE	0.46 U	0.46 U	1.2 U	**0.91 J**	**0.32 J**	1.2 U	2.9 U	2.9 U	2.3 U	2.3 U	1.2 U	2.3 U	2.3 UJ	2.3 U
Allyl chloride	NE	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 UJ	1.6 U	1.6 U	1.2 U	1.2 U	0.63 U	1.2 U	1.2 U	1.2 U
Benzothiophene	NE	14 U	14 UJ	1.1 U	1.1 U	**0.68 J**	1.1 UJ	2.7 U	2.7 U	2.2 UJ	2.2 U	1.1 UJ	2.2 U	2.2 UJ	2.2 U
Bromodichloromethane	NE	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	3.4 U	3.4 U	2.7 U	2.7 U	1.3 U	2.7 U	2.7 U	2.7 U
Bromoform	NE	2.1 U	2.1 U	2.1 U	2.1 UJ	2.1 U	2.1 U	5.2 U	5.2 U	4.1 U	4.1 U	2.1 U	4.1 U	4.1 U	4.1 U
Bromomethane	0.9	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	1.9 U	1.9 U	1.6 U	1.6 U	0.78 U	1.6 U	1.6 U	1.6 U
Butadiene, 1,3-	NE	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	1.1 U	1.1 U	0.88 U	0.88 U	0.44 U	0.88 U	0.88 U	0.88 U
Butane	NE	**0.55**	**2.5**	**1.2**	**0.42 J**	**0.37 J**	**0.52**	1.2 U	1.2 U	0.95 U	0.95 U	0.48 U	**0.43 J**	0.95 U	0.95 U
Butanone, 2-	17	**0.40 J**	0.59 U	0.59 U	**0.48 J**	**0.70**	**0.74**	1.5 U	1.5 U	1.2 U	1.2 U	0.59 U	1.2 U	1.2 UJ	1.2 U
Carbon disulfide	NE	**2.1**	**4.3**	**4.3**	**2.8**	**2.8 J**	1.6 UJ	1.6 U	1.6 U	**0.50 J**	**0.31 J**	0.62 U	1.2 U	1.5 U	**0.62 J**
Carbon tetrachloride	1	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	3.1 U	3.1 U	2.5 U	2.5 U	1.3 U	2.5 U	2.5 U	2.5 U
Chlorobenzene	<0.25	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	2.3 U	2.3 U	1.8 U	1.8 U	0.92 U	1.8 U	1.8 U	1.8 U
Chloroethane	0.4	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	1.3 U	1.3 U	1.0 U	1.0 U	0.53 U	1.0 U	1.0 U	1.0 U
Chloroform	0.5	**4.4**	**5.3**	**4.9**	**5.2**	**6.8**	**6.1**	**5.7**	**5.0**	**4.5**	**1.7 J**	**0.93 J**	**0.68 J**	**1.1 J**	**1.4 J**
Chloromethane	4.6	**0.22 J**	0.41 U	0.41 U	**0.13 J**	**0.18 J**	0.41 U	1.0 U	1.0 U	0.83 U	0.83 U	0.41 U	0.83 U	0.83 U	0.83 U
Chlorotoluene, 2-	NE	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.6 U	2.6 U	2.1 U	2.1 U	1.0 U	2.1 U	2.1 U	2.1 U
Cryofluorane	1.3	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	3.5 U	3.5 U	2.8 U	2.8 U	1.4 U	2.8 U	2.8 U	2.8 U
Cyclohexane	3	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	1.7 U	1.7 U	1.4 U	1.4 UJ	0.69 U	1.4 U	1.4 U	1.4 UJ
Decane, n-	3.6	**0.88 J**	**0.49 J**	1.2 U	**0.40 J**	1.2 U	**0.70 J**	2.9 U	2.9 U	2.3 U	2.3 U	1.2 U	2.3 U	2.3 U	2.3 U
Dibromochloromethane	NE	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	4.3 U	4.3 U	3.4 U	3.4 U	1.7 U	3.4 U	3.4 U	3.4 U
Dibromoethane, 1,2-	<0.25	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.8 U	3.8 U	3.1 U	3.1 U	1.5 U	3.1 U	3.1 U	3.1 U
Dichlorobenzene, 1,2-	0.9	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	3.0 U	3.0 U	2.4 U	2.4 U	1.2 U	2.4 U	2.4 U	2.4 U
Dichlorobenzene, 1,3-	0.7	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	3.0 U	3.0 U	2.4 U	2.4 U	1.2 U	2.4 U	2.4 U	2.4 U
Dichlorobenzene, 1,4-	0.8	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	3.0 U	3.0 U	2.4 U	2.4 U	1.2 U	2.4 U	2.4 U	2.4 U
Dichlorodifluoromethane	11	**2.9**	**3.2**	**2.7**	**1.4**	**2.8**	**2.8**	**3.8**	**3.1**	**3.3**	**3.3**	**2.4**	**3.1**	**2.4**	**3.0**
Dichloroethane, 1,1-	<0.25	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	2.0 U	2.0 U	1.6 U	1.6 U	0.81 U	1.6 U	1.6 U	1.6 U
Dichloroethane, 1,2-	<0.25	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	2.0 U	2.0 U	1.6 U	1.6 U	0.81 U	1.6 U	1.6 U	1.6 U
Dichloroethene, 1,1-	<0.25	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	2.0 U	2.0 U	1.6 U	1.6 U	0.79 U	1.6 U	1.6 U	1.6 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	2.0 U	2.0 U	1.6 U	1.6 U	0.79 U	1.6 U	1.6 U	1.6 U
Dichloropropane, 1,2-	<0.25	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	2.3 U	2.3 U	1.8 U	1.8 U	0.92 U	1.8 U	1.8 U	1.8 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	2.3 U	2.3 U	1.8 U	1.8 U	0.91 U	1.8 U	1.8 U	1.8 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	2.3 U	2.3 U	1.8 U	1.8 U	0.91 U	1.8 U	1.8 U	1.8 U
Dioxane, 1,4-	NE	0.72 U	0.72 U	0.72 UJ	0.72 UJ	0.72 U	0.72 U	1.8 U	1.8 U	1.4 U	1.4 UJ	0.72 U	1.4 U	1.4 U	1.4 U
Dodecane, n-	7.6	**1.3 J**	**1.4 J**	**1.2 J**	**0.79 J**	**0.49 J**	**0.56 J**	3.5 U	3.5 U	2.8 U	2.8 U	1.4 UJ	2.8 U	2.8 U	2.8 U
Ethanol	220	**1.8 J**	**0.68 J**	1.9 U	2.7 U	**1.0 J**	**0.58 J**	4.7 U	4.7 U	**1.5 J**	3.8 U	1.9 U	3.8 U	**0.94 J**	3.8 U
Ethylthiophene, 2-	NE	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	2.3 U	2.3 U	1.8 U	1.8 U	0.92 U	1.8 U	1.8 U	1.8 U
Ethyltoluene, p-	NE	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	2.5 U	2.5 U	2.0 U	2.0 U	0.98 U	2.0 U	2.0 U	2.0 U
Heptane, n-	5.1	**0.26 J**	**0.75 J**	**0.49 J**	0.82 U	0.82 U	**0.37 J**	2.0 U	2.0 U	1.6 U	1.6 U	0.82 U	1.6 U	1.6 U	1.6 U
Hexachlorobutadiene	7	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	5.3 U	5.3 U	4.3 U	4.3 U	2.1 U	4.3 U	4.3 U	4.3 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	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-28 10/14/2009	OU2SG-28 11/17/2009	OU2SG-28 12/28/2009	OU2SG-28 1/14/2010	OU2SG-28 2/23/2010	OU2SG-28 3/19/2010	OU2SG-28 4/19/2010
Hexane, n-	3.6	**0.44 J**	**1.1**	**0.70**	**0.18 J**	0.70 U	**0.32 J**	1.8 U	1.8 U	1.4 U	1.4 U	0.70 U	1.4 U	1.4 U	1.4 UJ
Hexanone, 2-	NE	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	2.0 U	2.0 U	1.6 U	1.6 U	0.82 U	1.6 U	1.6 U	1.6 U
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	0.97 U	0.97 U	0.97 U	0.97 UJ	0.97 U	0.97 U	2.4 U	2.4 U	1.9 U	1.9 U	0.97 U	1.9 U	1.9 U	1.9 U
Indene	NE	0.95 U	0.95 U	0.95 U	0.95 UJ	0.95 U	0.95 U	2.4 U	2.4 U	1.9 U	1.9 U	0.95 U	1.9 U	1.9 U	1.9 U
Isopropyl benzene	0.4	NA	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 U	0.72 U	0.72 U	1.8 U	1.8 U	1.4 U	1.4 U	0.72 U	1.4 U	1.4 UJ	1.4 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	2.0 U	2.0 U	1.6 U	1.6 U	0.82 U	1.6 U	1.6 U	1.6 UJ
Methylene chloride	2.9	1.7 U	1.7 U	**1.5 J**	1.7 U	1.7 U	**1.1 J**	4.3 U	4.3 U	3.5 U	3.5 U	**0.52 J**	3.5 U	**0.97 J**	**1.1 J**
Methylnaphthalene, 1-	NE	14 U	14 UJ	1.2 U	1.2 U	**0.74 J**	1.2 UJ	2.9 U	2.9 U	2.3 U	2.3 U	1.2 U	2.3 U	2.3 U	5.8 U
Methylnaphthalene, 2-	NE	14 U	14 UJ	1.2 U	1.2 U	**0.67 J**	1.2 UJ	2.9 U	2.9 U	2.3 UJ	2.3 U	1.2 U	2.3 U	2.3 UJ	5.8 UJ
Methylthiophene, 2-	NE	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	2.0 U	2.0 U	1.6 U	1.6 U	0.80 U	1.6 U	1.6 U	1.6 U
Methylthiophene, 3-	NE	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	2.0 U	2.0 U	1.6 U	1.6 U	0.80 U	1.6 U	1.6 U	1.6 U
Naphthalene	10	1.0 U	1.0 U	1.0 U	1.0 U	**0.53 J**	**0.42 J**	2.6 U	2.6 U	2.1 U	2.1 U	1.0 U	2.1 U	2.1 U	2.1 U
Nonane	1.2	**0.89 J**	**0.46 J**	1.0 U	1.0 U	1.0 U	**0.52 J**	2.6 U	2.6 U	2.1 U	2.1 U	1.0 U	2.1 U	2.1 U	2.1 U
Octane, n-	2.1	0.93 U	**0.56 J**	**0.28 J**	0.93 U	0.93 U	0.93 UJ	2.3 U	2.3 U	1.9 U	1.9 U	0.93 U	1.9 U	1.9 U	1.9 U
Pentane	NE	**0.42 J**	**2.0**	**1.1**	**0.47 J**	**0.26 J**	**0.41 J**	1.5 U	1.5 U	1.2 U	1.2 U	0.59 U	1.2 U	1.2 U	1.2 U
Propanol, 2-	NE	**0.64**	0.64 U	1.2 U	1.2 U	1.2 U	1.2 U	6.9 U	3.0 U	2.5 U	2.5 U	1.2 U	2.5 U	2.5 U	2.5 U
Propylbenzene, n-	0.5	NA	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	2.1 U	2.1 U	1.7 U	1.7 U	0.85 U	1.7 U	1.7 U	1.7 U
t-Butyl alcohol	NE	**0.29 J**	0.61 U	0.61 U	**0.27 J**	0.61 U	0.61 U	1.5 U	1.5 U	1.2 U	1.2 U	0.61 U	1.2 U	1.2 U	1.2 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	3.4 U	3.4 U	2.7 U	2.7 U	1.4 U	2.7 U	2.7 U	2.7 U
Tetrachloroethene	1.6	**0.61 J**	**0.79 J**	**0.95 J**	**1.6**	**2.4**	**1.8**	**2.0 J**	**1.2 J**	**0.95 J**	2.7 U	**0.34 J**	2.7 U	2.7 U	2.7 U
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	5.5 U	5.5 U	1.1 U	1.1 U	**0.47 J**	1.1 U	2.7 UJ	2.7 U	2.2 UJ	2.2 U	1.1 U	2.2 U	2.2 UJ	2.2 U
Thiophene	NE	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	1.7 U	1.7 U	1.4 U	1.4 U	0.69 U	1.4 U	1.4 U	1.4 U
Trans-1,2-dichloroethene	NE	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	2.0 U	2.0 U	1.6 U	1.6 U	0.79 U	1.6 U	1.6 U	1.6 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	**0.65 J**	**0.80 J**	**0.69 J**	**1.0 J**	**0.65 J**	**0.54 J**	3.8 U	3.8 U	3.1 U	3.1 U	**0.46 J**	3.1 U	3.1 U	3.1 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	3.7 U	3.7 U	3.0 U	3.0 U	1.5 U	3.0 U	3.0 U	3.0 U
Trichloroethane, 1,1,1-	0.7	1.1 U	1.1 U	1.1 U	1.1 U	**0.30 J**	1.1 U	2.7 U	2.7 U	2.2 U	2.2 U	1.1 U	2.2 U	2.2 U	2.2 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	2.7 U	2.7 U	2.2 U	2.2 U	1.1 U	2.2 U	2.2 U	2.2 U
Trichloroethene	0.5	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.7 U	2.7 U	2.2 U	2.2 U	1.1 U	2.2 U	2.2 U	2.2 U
Trichlorofluoromethane	6.1	**1.7**	**1.8**	**2.4**	**2.0**	**2.6**	**2.2**	**3.0**	**2.4 J**	**2.2**	**1.8 J**	**1.5**	**1.8 J**	**1.5 J**	**2.2**
Trimethylbenzene, 1,2,3-	0.6	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	2.5 U	2.5 U	2.0 U	2.0 U	0.98 U	2.0 U	2.0 U	2.0 U
Trimethylbenzene, 1,2,4-	2.5	**0.29 J**	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	2.5 U	2.5 U	2.0 U	2.0 U	0.98 U	2.0 U	2.0 U	2.0 U
Trimethylbenzene, 1,3,5-	1	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	2.5 U	2.5 U	2.0 U	2.0 U	0.98 U	2.0 U	2.0 U	2.0 U
Trimethylpentane, 2,2,4-	2	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	2.3 U	2.3 U	1.9 U	1.9 U	0.93 U	1.9 U	1.9 U	1.9 U
Undecane, n-	2.3	**0.78 J**	**0.59 J**	1.3 U	1.3 U	1.3 U	1.3 U	3.2 U	3.2 U	2.6 U	2.6 U	1.3 UJ	2.6 U	2.6 U	2.6 U
Vinyl bromide	NE	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	2.2 U	2.2 U	1.8 U	1.8 U	0.87 U	1.8 U	1.8 U	1.8 U
Vinyl chloride	<0.25	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	1.3 U	1.3 U	1.0 U	1.0 U	0.51 U	1.0 U	1.0 U	1.0 U
Other (%)															
Carbon Dioxide	NE	**1.91**	**2.31**	**3.2**	**4.43**	**5.42**	**5.4**	**4.07**	**4.21**	**3.37**	**1.93**	**1.63**	**1.41**	**1.47**	**2.35**
Helium	NE	**0.0182**	**0.0214**	0.0182 U	**0.0196**	**0.094**	0.00409 U	0.0167 U	0.00317 U	0.0156 U	0.015 U	0.0174 U	0.0161 U	0.0178 U	0.0177 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-28 6/9/2010	OU2SG-28 9/20/2010	OU2SG-29 8/13/2008	OU2SG-29 9/23/2008	OU2SG-29 12/30/2008	OU2SG-29 3/13/2009	OU2SG-29 6/25/2009	OU2SG-29 9/25/2009	OU2SG-29 12/30/2009	OU2SG-29 3/20/2010	OU2SG-29 6/9/2010	OU2SG-29 9/18/2010	OU2SG-30 8/13/2008	OU2SG-30 9/23/2008
BTEX (ug/m^3)															
Benzene	5.8	1.3 U	1.3 U	0.64 U	**0.26 J**	3.2 U	6.4 U	**0.45 J**	1.3 U	**0.26 J**	**0.32 J**	1.3 U	1.3 U	3.2 U	0.64 U
Toluene	21	1.5 U	1.5 U	**0.56 J**	**2.7**	**40**	**63**	**6.4**	**1.3 J**	**1.8**	**3.2 J**	**7.8**	**0.45 J**	3.8 U	**1.2 J**
Ethylbenzene	1.9	1.7 U	1.7 U	0.87 U	**1.8**	**86 J**	**190**	**12**	**7.9**	**5.4**	**3.4 J**	**29**	**1.5 J**	4.3 U	**1.1 J**
Xylene, m,p-	3.1	3.5 U	3.5 U	**0.26 J**	**9.2**	**450**	**860**	**38**	**17**	**8.9**	**6.2 J**	**100**	**3.5**	8.7 U	**6.1 J**
Xylene, o-	2.5	1.7 U	1.7 U	0.87 U	**3.4**	**220 J**	**440**	**14**	**10**	**11**	**5.9 J**	**76**	**3.0**	4.3 U	**2.5 J**
Other VOCs (ug/m^3)															
Acetaldehyde	NE	**4.9 J**	**6.9 J**	**11 J**	**18**	22 U	18 U	**10**	**4.9 J**	**1.2 J**	**14 J**	**3.6 J**	**14**	**37 J**	**22 J**
Acetone	58	**1.8 J**	**5.6 JB**	**5.6 J**	**7.7**	5.9 U	24 U	6.3 U	4.8 U	**0.81 J**	**3.8 J**	**1.7 J**	**8.4 J**	6.5 UJ	**2.8 J**
Acrolein (propenal)	NE	2.3 U	2.3 U	0.46 U	**0.39 J**	2.3 U	4.6 U	**1.1 J**	2.3 U	1.2 U	2.3 U	2.3 U	2.3 U	2.3 U	0.46 U
Allyl chloride	NE	1.2 U	1.2 U	0.63 U	0.63 U	3.1 U	6.3 U	0.63 U	1.2 U	0.63 U	1.2 U	1.2 U	1.2 U	3.1 U	0.63 U
Benzothiophene	NE	2.2 U	5.5 U	1.1 U	1.1 U	5.5 UJ	11 U	1.1 U	2.2 U	1.1 U	2.2 U	2.2 U	5.5 U	5.5 U	1.1 U
Bromodichloromethane	NE	2.7 U	2.7 U	**0.33 J**	1.3 U	6.7 U	13 U	1.3 U	2.7 U	1.3 U	2.7 U	2.7 U	2.7 U	6.7 U	1.3 U
Bromoform	NE	4.1 U	4.1 U	2.1 U	2.1 U	10 U	21 U	2.1 U	4.1 U	2.1 U	4.1 U	4.1 U	4.1 U	10 U	2.1 U
Bromomethane	0.9	1.6 U	1.6 U	0.78 U	0.78 U	3.9 U	7.8 U	**0.66 J**	1.6 U	0.78 U	1.6 U	1.6 U	1.6 U	3.9 U	0.78 U
Butadiene, 1,3-	NE	0.88 U	0.88 U	0.44 U	0.44 U	2.2 U	4.4 U	0.44 U	0.88 U	0.44 U	0.88 U	0.88 U	0.88 U	2.2 U	0.44 U
Butane	NE	0.95 U	**0.43 J**	**0.97 J**	**0.38 J**	2.4 U	**1.5 J**	**0.69**	**0.57 J**	**0.36 J**	**0.71 J**	0.95 U	**0.57 J**	**7.0**	0.48 U
Butanone, 2-	17	1.2 U	**0.59 J**	**0.94 J**	**1.8**	3.0 U	5.9 U	**1.0**	1.2 U	0.59 U	1.2 U	**0.40 J**	**0.88 J**	**1.2 J**	**0.97 J**
Carbon disulfide	NE	**1.2**	**1.6**	0.93 U	**0.34 J**	**1.4 J**	6.2 U	**2.7**	**0.44 J**	**0.47 J**	1.2 U	**0.32 J**	**1.0 J**	3.0 U	**0.75 J**
Carbon tetrachloride	1	2.5 U	2.5 U	1.3 U	1.3 U	6.3 U	13 U	1.3 U	2.5 U	**0.38 J**	2.5 U	2.5 U	2.5 U	6.3 U	1.3 U
Chlorobenzene	<0.25	1.8 U	1.8 U	0.92 U	0.92 U	4.6 U	9.2 U	0.92 U	1.8 U	0.92 U	1.8 U	1.8 U	1.8 U	4.6 U	0.92 U
Chloroethane	0.4	1.0 U	1.0 U	0.53 U	0.53 U	2.6 U	5.3 U	0.53 U	1.0 U	0.53 U	1.0 U	1.0 U	1.0 U	2.6 U	0.53 U
Chloroform	0.5	**3.1**	**8.3**	**1.1 J**	**0.73 J**	4.9 U	9.8 U	**0.49 J**	**0.78 J**	0.98 U	2.0 U	2.0 U	**0.78 J**	**6.3**	**3.6 J**
Chloromethane	4.6	0.83 U	0.83 U	0.41 U	**0.27 J**	2.1 U	4.1 U	**0.50**	0.82 U	0.41 U	0.83 U	0.83 U	0.83 U	2.1 U	**0.12 J**
Chlorotoluene, 2-	NE	2.1 U	2.1 U	1.0 U	1.0 U	5.2 U	10 U	1.0 U	2.1 U	1.0 U	2.1 U	2.1 U	2.1 U	5.2 U	1.0 U
Cryofluorane	1.3	2.8 U	2.8 U	1.4 U	1.4 U	7.0 U	14 U	1.4 U	2.8 U	1.4 U	2.8 U	2.8 U	2.8 U	7.0 U	1.4 U
Cyclohexane	3	1.4 U	1.4 U	0.69 U	0.69 U	**0.93 J**	6.9 U	**1.6**	1.4 U	0.69 U	1.4 U	**0.45 J**	1.4 U	3.4 U	0.69 U
Decane, n-	3.6	2.3 U	2.3 U	**15 J**	**57**	**1600**	**2300**	**100 J**	**30 J**	**9.0**	2.3 UJ	**220**	2.3 U	**16**	**12 J**
Dibromochloromethane	NE	3.4 U	3.4 U	**0.68 J**	1.7 U	8.5 U	17 U	1.7 U	3.4 U	1.7 U	3.4 U	3.4 U	3.4 U	8.5 U	1.7 U
Dibromoethane, 1,2-	<0.25	3.1 U	3.1 U	1.5 U	1.5 U	7.7 U	15 U	1.5 U	3.1 U	1.5 U	3.1 U	3.1 U	3.1 U	7.7 U	1.5 U
Dichlorobenzene, 1,2-	0.9	2.4 U	2.4 U	1.2 U	1.2 U	6.0 U	12 U	1.2 U	2.4 U	1.2 U	2.4 U	2.4 U	2.4 U	6.0 U	1.2 U
Dichlorobenzene, 1,3-	0.7	2.4 U	2.4 U	**0.54 J**	**1.1 J**	6.0 U	12 U	1.2 U	2.4 U	1.2 U	2.4 U	2.4 U	2.4 U	6.0 U	1.2 U
Dichlorobenzene, 1,4-	0.8	2.4 U	2.4 U	1.2 U	1.2 U	6.0 U	12 U	1.2 U	2.4 U	1.2 U	2.4 U	2.4 U	2.4 U	6.0 U	1.2 U
Dichlorodifluoromethane	11	**2.4**	**3.7**	**2.7 J**	**2.9**	**2.8 J**	9.9 U	**2.6**	**3.0**	**2.1**	**2.4 J**	**2.2**	**2.5**	**3.5 J**	**3.5 J**
Dichloroethane, 1,1-	<0.25	1.6 U	1.6 U	0.81 U	0.81 U	4.0 U	8.1 U	0.81 U	1.6 U	0.81 U	1.6 U	1.6 U	1.6 U	4.0 U	0.81 U
Dichloroethane, 1,2-	<0.25	1.6 U	1.6 U	0.81 U	0.81 U	4.0 U	8.1 U	0.81 U	1.6 U	0.81 U	1.6 U	1.6 U	1.6 U	4.0 U	0.81 U
Dichloroethene, 1,1-	<0.25	1.6 U	1.6 U	0.79 U	0.79 U	4.0 U	7.9 U	0.79 U	1.6 U	0.79 U	1.6 U	1.6 U	1.6 U	4.0 U	0.79 U
Dichloroethene, cis-1,2-	<0.25	1.6 U	1.6 U	0.79 U	0.79 U	4.0 U	7.9 U	0.79 U	1.6 U	0.79 U	1.6 U	1.6 U	1.6 U	4.0 U	0.79 U
Dichloropropane, 1,2-	<0.25	1.8 U	1.8 U	0.92 U	0.92 U	4.6 U	9.2 U	0.92 U	1.8 U	0.92 U	1.8 U	1.8 U	1.8 U	4.6 U	0.92 U
Dichloropropene, cis-1,3	<0.25	1.8 U	1.8 U	0.91 U	0.91 U	4.5 U	9.1 U	0.91 U	1.8 U	0.91 U	1.8 U	1.8 U	1.8 U	4.5 U	0.91 U
Dichloropropene, trans-1,3	<0.25	1.8 U	1.8 U	0.91 U	0.91 U	4.5 U	9.1 U	0.91 U	1.8 U	0.91 U	1.8 U	1.8 U	1.8 U	4.5 U	0.91 U
Dioxane, 1,4-	NE	1.4 U	1.4 U	0.72 U	0.72 U	3.6 U	7.2 U	0.72 U	1.4 U	0.72 U	1.4 U	1.4 U	1.4 U	3.6 U	0.72 U
Dodecane, n-	7.6	**2.7 J**	**0.97 J**	**6.9 J**	**8.6**	**170**	**400 J**	**15 J**	2.8 UJ	**0.70 J**	2.8 UJ	**57**	2.8 U	**8.4**	**5.0 J**
Ethanol	220	3.8 U	**1.4 J**	**5.1**	**22**	**3.5 J**	**5.1 J**	**6.5**	5.0 U	**0.64 J**	**1.2 J**	**1.2 J**	**2.3 J**	**13**	**4.0 J**
Ethylthiophene, 2-	NE	1.8 U	1.8 U	0.92 U	0.92 U	4.6 U	9.2 U	0.92 U	1.8 U	0.92 U	1.8 U	1.8 U	1.8 U	4.6 U	0.92 U
Ethyltoluene, p-	NE	2.0 U	2.0 U	0.98 U	**1.5**	**150**	**250**	**27**	**18**	**4.1**	**6.0 J**	**45**	**4.6**	4.9 U	**1.1 J**
Heptane, n-	5.1	1.6 U	1.6 U	**0.37 J**	**0.45 J**	**6.2**	**8.6 J**	**1.2**	1.6 U	**0.29 J**	1.6 U	**1.3 J**	1.6 U	4.1 U	0.82 U
Hexachlorobutadiene	7	4.3 U	4.3 U	2.1 U	2.1 U	11 U	21 U	2.1 U	4.3 U	2.1 U	4.3 U	4.3 U	4.3 U	11 U	2.1 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-28 6/9/2010	OU2SG-28 9/20/2010	OU2SG-29 8/13/2008	OU2SG-29 9/23/2008	OU2SG-29 12/30/2008	OU2SG-29 3/13/2009	OU2SG-29 6/25/2009	OU2SG-29 9/25/2009	OU2SG-29 12/30/2009	OU2SG-29 3/20/2010	OU2SG-29 6/9/2010	OU2SG-29 9/18/2010	OU2SG-30 8/13/2008	OU2SG-30 9/23/2008
Hexane, n-	3.6	1.4 U	1.4 U	0.70 U	0.70 U	3.5 U	7.0 U	**0.49 J**	1.4 U	0.70 U	1.4 U	1.4 U	1.4 U	3.5 U	0.70 U
Hexanone, 2-	NE	1.6 U	1.6 U	0.82 U	0.82 U	4.1 U	8.2 U	0.82 U	1.6 U	0.82 U	1.6 U	1.6 U	1.6 U	4.1 U	0.82 U
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	1.9 U	1.9 U	0.97 U	**0.72 J**	**49**	**120**	0.97 U	**6.3**	**2.0**	**1.6 J**	**32**	**2.3**	4.8 U	**0.68 J**
Indene	NE	1.9 UJ	1.9 U	0.95 U	0.95 U	4.8 U	9.5 U	0.95 U	1.9 U	0.95 U	1.9 U	1.9 UJ	1.9 U	4.8 U	0.95 U
Isopropyl benzene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	5.9	1.4 U	1.4 U	0.72 U	0.72 U	3.6 U	7.2 U	0.72 U	1.4 U	0.72 U	1.4 U	1.4 U	1.4 U	3.6 U	0.72 U
Methyl-2-pentanone, 4-	2.9	1.6 U	1.6 U	0.82 U	0.82 U	4.1 U	8.2 U	0.82 U	1.6 U	0.82 U	1.6 U	1.6 U	1.6 U	4.1 U	0.82 U
Methylene chloride	2.9	**1.9 J**	6.9 U	0.69 UJ	0.69 U	8.5 U	17 U	**1.2 J**	3.5 U	**0.62 J**	**0.90 J**	**1.2 J**	6.9 U	2.4 UJ	0.69 U
Methylnaphthalene, 1-	NE	5.8 U	5.8 U	1.2 U	1.2 U	29 UJ	**14**	1.2 UJ	2.3 UJ	1.2 U	5.8 UJ	**3.6 J**	5.8 U	5.8 U	1.2 U
Methylnaphthalene, 2-	NE	5.8 U	5.8 U	1.2 U	1.2 U	29 U	**18**	**2.4 J**	2.3 U	1.2 U	5.8 UJ	**12 J**	5.8 U	5.8 U	1.2 U
Methylthiophene, 2-	NE	1.6 U	1.6 U	0.80 U	0.80 U	4.0 U	8.0 U	2.0 U	1.6 U	0.80 U	1.6 U	1.6 U	1.6 U	4.0 U	0.80 U
Methylthiophene, 3-	NE	1.6 U	1.6 U	0.80 U	0.80 U	4.0 U	8.0 U	0.80 U	1.6 U	0.80 U	1.6 U	1.6 U	1.6 U	4.0 U	0.80 U
Naphthalene	10	2.1 U	2.1 U	1.0 U	1.0 U	5.2 U	10 U	1.0 U	2.1 U	1.0 U	2.1 U	**15 J**	2.1 U	5.2 U	**0.31 J**
Nonane	1.2	2.1 U	2.1 U	**0.31 J**	**14**	**1700**	**2400**	**72**	**22 J**	**27**	2.1 U	**210**	**3.6**	5.2 U	**8.0 J**
Octane, n-	2.1	1.9 U	1.9 U	**44 J**	**140**	**270**	**390**	**13**	**3.4**	**5.0**	1.9 U	**33**	1.9 U	**70**	**7.9 J**
Pentane	NE	1.2 U	1.2 U	**0.77 J**	0.59 U	3.0 U	5.9 U	**0.86**	1.2 U	**0.41 J**	1.2 U	1.2 U	1.2 U	3.0 U	0.59 U
Propanol, 2-	NE	2.5 U	2.5 U	0.49 U	0.49 U	6.1 U	12 U	1.2 U	**1.3 J**	1.2 U	**1.5 J**	2.5 U	**0.79 J**	2.4 U	0.49 U
Propylbenzene, n-	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.6	1.7 U	1.7 U	0.85 U	**0.21 J**	4.3 U	8.5 U	0.85 U	1.7 U	0.85 U	1.7 U	1.7 U	1.7 U	4.3 U	0.85 U
t-Butyl alcohol	NE	1.2 U	1.2 U	0.61 UJ	**0.70**	3.0 U	15 U	**0.51 J**	**0.55 J**	0.61 U	1.2 U	1.2 U	**0.36 J**	3.0 UJ	0.61 U
Tetrachloroethane, 1,1,2,2-	<0.25	2.7 U	2.7 U	1.4 U	1.4 U	6.9 U	14 U	1.4 U	2.7 U	1.4 U	2.7 U	2.7 U	2.7 U	6.9 U	1.4 U
Tetrachloroethene	1.6	**1.5 J**	**1.6 J**	**13 J**	**4.5**	6.8 U	14 U	**3.8**	**3.0**	1.4 U	**1.1 J**	**2.3 J**	**1.9 J**	**48**	**52 J**
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	2.2 U	2.2 U	1.1 U	**1.2**	**140 J**	**280**	**16 J**	**14**	**0.82 J**	**9.5 J**	**26**	**6.9**	5.5 U	**1.8 J**
Thiophene	NE	1.4 U	1.4 U	0.69 U	0.69 U	3.4 U	6.9 U	0.69 U	1.4 U	0.69 U	1.4 U	1.4 U	1.4 U	3.4 U	0.69 U
Trans-1,2-dichloroethene	NE	1.6 U	1.6 U	0.79 U	0.79 U	4.0 U	7.9 U	0.79 U	1.6 U	0.79 U	1.6 U	1.6 U	1.6 U	4.0 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	3.1 U	3.1 U	**0.54 J**	**0.61 J**	7.7 U	15 U	**0.61 J**	3.1 U	**0.46 J**	3.1 U	3.1 U	3.1 U	7.7 U	**1.0 J**
Trichlorobenzene, 1,2,4-	4.8	3.0 U	3.0 U	1.5 U	1.5 U	7.4 U	15 U	1.5 U	3.0 U	1.5 U	3.0 U	3.0 U	3.0 U	7.4 U	1.5 U
Trichloroethane, 1,1,1-	0.7	2.2 U	2.2 U	1.1 U	1.1 U	5.4 U	11 U	1.1 U	2.2 U	1.1 U	2.2 U	2.2 U	2.2 U	5.4 U	**1.5 J**
Trichloroethane, 1,1,2-	<0.25	2.2 U	2.2 U	1.1 U	1.1 U	5.4 U	11 U	1.1 U	2.2 U	1.1 U	2.2 U	2.2 U	2.2 U	5.4 U	1.1 U
Trichloroethene	0.5	2.2 U	2.2 U	1.1 U	1.1 U	5.4 U	11 U	1.1 U	2.2 U	1.1 U	2.2 U	2.2 U	2.2 U	5.4 U	1.1 U
Trichlorofluoromethane	6.1	**2.1 J**	**2.7**	**1.5 J**	**3.0**	5.6 U	11 U	**2.5**	**3.0 J**	**1.0 J**	**1.2 J**	**1.5 J**	**1.6 J**	**2.5 J**	**2.6 J**
Trimethylbenzene, 1,2,3-	0.6	2.0 U	2.0 U	0.98 U	**2.0**	**310**	**770**	**9.5**	**17 J**	**3.8**	**8.1 J**	**78**	**10**	4.9 U	**2.2 J**
Trimethylbenzene, 1,2,4-	2.5	2.0 U	2.0 U	**0.29 J**	**4.9**	**240**	**440**	**22 J**	**21**	**3.0**	**4.9 J**	**120 J**	**7.5**	4.9 U	**5.9 J**
Trimethylbenzene, 1,3,5-	1	2.0 U	2.0 U	0.98 U	**1.9**	**190**	**390**	**16**	**20**	**5.3**	**5.9 J**	**79**	**10**	4.9 U	**2.0 J**
Trimethylpentane, 2,2,4-	2	1.9 U	1.9 U	**0.28 J**	**0.61 J**	4.7 U	9.3 U	0.93 U	1.9 U	0.93 U	1.9 U	1.9 U	1.9 U	4.7 U	0.93 U
Undecane, n-	2.3	**0.97 J**	2.6 U	1.3 U	**6.8**	**740**	**1000**	1.3 UJ	2.6 UJ	1.3 U	2.6 UJ	**120 J**	2.6 U	6.4 U	**6.5 J**
Vinyl bromide	NE	1.8 U	1.8 U	0.87 U	0.87 U	4.4 U	8.7 U	0.87 U	1.8 U	0.87 U	1.8 U	1.8 U	1.8 U	4.4 U	0.87 U
Vinyl chloride	<0.25	1.0 U	1.0 U	0.51 U	0.51 U	2.6 U	5.1 U	0.51 U	1.0 U	0.51 U	1.0 U	1.0 U	1.0 U	2.6 U	0.51 U
Other (%)															
Carbon Dioxide	NE	**3.49**	**4.6**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NE	0.0182 U	0.0177 U	0.0195 U	0.0142 U	**0.0222**	0.0197 U	**0.02**	0.0033 U	0.0176 U	0.0212 U	0.0159 U	0.017 U	0.0189 U	0.0171 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-30 12/30/2008	OU2SG-30 3/13/2009	OU2SG-30 6/25/2009	OU2SG-30 9/25/2009	OU2SG-30 12/30/2009	OU2SG-30 3/20/2010	OU2SG-30 6/9/2010	OU2SG-30 9/18/2010	OU2SG-31 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
BTEX (ug/m^3)															
Benzene	5.8	0.64 U	0.64 U	0.64 U	1.3 U	1.3 U	**0.38 J**	1.3 U	1.3 U	0.64 U	**0.43 J**	0.64 U	0.64 U	0.64 U	0.64 U
Toluene	21	**1.2**	**1.2**	**1.5**	**1.4 J**	1.5 U	**1.7**	**0.55 J**	**0.60 J**	**1.1**	**6.0**	**1.0**	**0.84**	**0.72 J**	**0.80**
Ethylbenzene	1.9	**1.3**	**1.2**	**1.1**	1.7 U	1.7 U	**0.52 J**	**0.44 J**	1.7 U	**0.27 J**	**0.92 J**	**0.23 J**	0.87 U	0.87 U	0.87 U
Xylene, m,p-	3.1	**6.1**	**5.8**	**2.6**	3.5 U	3.5 U	**1.3 J**	**1.3 J**	3.5 U	**0.93 J**	**3.0**	**0.71 J**	**0.57 J**	**0.58 J**	**0.58 J**
Xylene, o-	2.5	**3.0**	**2.6**	**1.2**	1.7 U	1.7 U	**0.52 J**	**0.62 J**	1.7 U	**0.25 J**	**0.88**	**0.25 J**	0.87 U	0.87 U	0.87 U
Other VOCs (ug/m^3)															
Acetaldehyde	NE	**6.5**	**5.3**	**2.7 J**	9.0 U	9.0 U	**12**	**4.1 J**	**8.8 J**	2.1 U	4.5 U	1.8 UJ	1.8 U	3.6 U	4.3 U
Acetone	58	**7.8**	2.8 U	6.0 U	6.5 UJ	**1.3 J**	**4.5 J**	**1.5 J**	**5.8 JB**	2.4 U	**16 J**	**4.6 J**	3.6 U	4.1 U	4.3 U
Acrolein (propenal)	NE	0.46 U	0.46 U	1.2 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U
Allyl chloride	NE	0.63 U	0.63 U	0.63 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
Benzothiophene	NE	1.1 UJ	1.1 U	**4.0**	2.2 U	2.2 U	2.2 U	2.2 U	5.5 U	1.1 U	2.7 U	2.7 U	14 UJ	14 UJ	14 UJ
Bromodichloromethane	NE	1.3 U	1.3 U	1.3 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 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	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	0.9	0.78 U	0.78 U	0.78 U	1.6 U	1.6 U	1.6 U	1.6 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-	NE	0.44 U	0.44 U	0.44 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.44 U	0.44 UJ	0.44 UJ	0.44 U	0.44 U	0.44 U
Butane	NE	0.48 U	0.48 U	0.48 U	0.95 U	0.95 U	**0.52 J**	0.95 U	0.95 U	**0.41 J**	0.48 U	**0.54**	**0.28 J**	**0.30 J**	**0.42 J**
Butanone, 2-	17	**1.4**	**0.57 J**	**0.44 J**	**0.77 J**	1.2 U	**0.83 J**	1.2 U	**0.71 J**	**0.64**	**3.3**	**1.2**	**0.93**	**0.98**	**1.0**
Carbon disulfide	NE	**0.45 J**	0.63 U	**1.8**	1.2 U	1.2 U	1.2 U	**0.37 J**	**0.44 J**	**0.31 J**	**31**	0.62 U	**6.0**	**4.4**	**7.2**
Carbon tetrachloride	1	1.3 U	1.3 U	1.3 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Chlorobenzene	<0.25	0.92 U	0.92 U	0.92 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 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	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U
Chloroform	0.5	**1.5**	**1.4**	**1.6**	**1.2 J**	2.0 U	2.0 U	**2.0**	**0.49 J**	**6.7**	**5.8**	**5.8**	**6.3**	**5.7**	**5.8**
Chloromethane	4.6	**0.20 J**	**0.11 J**	**0.12 J**	0.83 U	0.83 U	**0.45 J**	0.83 U	0.83 U	0.41 U	0.41 U	0.41 U	**0.12 J**	**0.11 J**	**0.15 J**
Chlorotoluene, 2-	NE	1.0 U	1.0 U	1.0 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 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	2.8 U	2.8 U	2.8 U	2.8 U	2.8 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	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Decane, n-	3.6	**4.8**	**2.4**	**0.81 J**	2.3 U	2.3 U	**0.70 J**	2.3 U	2.3 U	**0.97 J**	**2.7**	**1.0 J**	**0.63 J**	**0.69 J**	**0.81 J**
Dibromochloromethane	NE	1.7 U	1.7 U	1.7 U	3.4 U	3.4 U	3.4 U	3.4 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-	<0.25	1.5 U	1.5 U	1.5 U	3.1 U	3.1 U	3.1 U	3.1 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-	0.9	1.2 U	1.2 U	1.2 U	2.4 U	2.4 U	2.4 U	2.4 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-	0.7	1.2 U	1.2 U	1.2 U	2.4 U	2.4 U	2.4 U	2.4 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-	0.8	1.2 U	1.2 U	1.2 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorodifluoromethane	11	**2.6**	**1.9**	**2.2**	**1.5 J**	**2.6**	**2.3**	**2.4**	**2.5**	**2.5**	**2.6**	**2.6**	**2.9**	**2.7**	**2.9**
Dichloroethane, 1,1-	<0.25	0.81 U	0.81 U	0.81 U	1.6 U	1.6 U	1.6 U	1.6 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-	<0.25	0.81 U	0.81 U	0.81 U	1.6 U	1.6 U	1.6 U	1.6 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-	<0.25	0.79 U	0.79 U	0.79 U	1.6 U	1.6 U	1.6 U	1.6 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-	<0.25	0.79 U	0.79 U	0.79 U	1.6 U	1.6 U	1.6 U	**0.44 J**	1.6 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	1.8 U	1.8 U	1.8 U	1.8 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	<0.25	0.91 U	0.91 U	0.91 U	1.8 U	1.8 U	1.8 U	1.8 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	<0.25	0.91 U	0.91 U	0.91 U	1.8 U	1.8 U	1.8 U	1.8 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-	NE	0.72 U	0.72 U	0.72 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Dodecane, n-	7.6	**2.4 J**	**1.5 J**	**2.2**	**0.84 J**	2.8 UJ	**1.2 J**	**2.0 J**	**1.2 J**	**1.6 J**	**1.5 J**	**0.80 J**	**0.96 J**	**1.0 J**	**0.98 J**
Ethanol	220	**1.2 J**	**1.4 J**	**1.3 J**	3.8 U	**5.0**	**6.9**	3.8 U	**1.4 J**	**6.4**	**16**	**7.4**	**5.1**	**6.5**	**5.3**
Ethylthiophene, 2-	NE	0.92 U	0.92 U	0.92 U	1.8 U	1.8 U	**1.0 J**	1.8 U	1.8 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Ethyltoluene, p-	NE	**1.5**	**1.7**	**0.84 J**	2.0 U	2.0 U	2.0 U	**1.2 J**	2.0 U	0.98 U	**0.28 J**	0.98 U	0.98 U	0.98 U	0.98 U
Heptane, n-	5.1	0.82 U	0.82 UJ	0.82 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	**0.29 J**	**2.8**	**0.89**	**2.1**	**0.61 J**	0.82 U
Hexachlorobutadiene	7	2.1 U	2.1 U	2.1 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-30 12/30/2008	OU2SG-30 3/13/2009	OU2SG-30 6/25/2009	OU2SG-30 9/25/2009	OU2SG-30 12/30/2009	OU2SG-30 3/20/2010	OU2SG-30 6/9/2010	OU2SG-30 9/18/2010	OU2SG-31 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
Hexane, n-	3.6	0.70 U	0.70 U	0.70 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.70 U	**0.22 J**	0.70 U	0.70 U	0.70 U	0.70 U
Hexanone, 2-	NE	0.82 U	0.82 U	0.82 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.82 U	2.0 U	2.0 U	0.82 U	0.82 U	0.82 U
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	**1.4**	**1.5**	**14**	1.9 U	1.9 U	**1.3 J**	**1.0 J**	1.9 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	**1.1**	1.9 U	1.9 U	**1.0 J**	1.9 UJ	1.9 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	NA
Methyl tert-butyl ether	5.9	0.72 U	0.72 U	0.72 U	1.4 U	1.4 U	1.4 U	1.4 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-	2.9	0.82 U	0.82 UJ	0.82 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Methylene chloride	2.9	1.7 U	1.7 U	**0.45 J**	3.5 U	3.5 U	**1.0 J**	3.5 U	6.9 U	1.7 U	1.7 U	1.7 U	1.8 U	1.7 U	1.7 U
Methylnaphthalene, 1-	NE	**1.1 J**	**0.45 J**	**3.8 J**	2.3 UJ	2.3 U	5.8 UJ	5.8 U	5.8 U	1.2 U	2.9 UJ	2.9 UJ	5.8 U	5.8 U	5.8 U
Methylnaphthalene, 2-	NE	**1.1 J**	1.2 U	**5.6 J**	2.3 U	2.3 U	5.8 UJ	5.8 U	5.8 U	1.2 U	2.9 UJ	2.9 UJ	5.8 U	5.8 U	5.8 U
Methylthiophene, 2-	NE	0.80 U	0.80 U	2.0 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Methylthiophene, 3-	NE	0.80 U	0.80 U	0.80 U	1.6 U	1.6 U	**0.40 J**	1.6 U	1.6 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Naphthalene	10	**0.51 J**	**0.63 J**	**52**	2.1 U	2.1 U	**0.73 J**	**0.68 J**	2.1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Nonane	1.2	**3.8**	**3.6**	1.0 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	**0.30 J**	**0.90 J**	**0.28 J**	1.0 U	1.0 U	1.0 U
Octane, n-	2.1	**0.53 J**	**0.79 J**	0.93 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	0.93 U	**0.53 J**	0.93 U	0.93 U	0.93 U	0.93 U
Pentane	NE	0.59 U	0.59 U	0.59 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	**0.45 J**	**0.29 J**	**0.62**	0.59 U	**0.24 J**	**0.25 J**
Propanol, 2-	NE	0.49 U	1.2 UJ	1.2 U	**2.0 J**	2.5 U	2.5 U	2.5 U	2.5 U	1.2 U	**2.4**	**1.2 J**	**1.1**	**1.1**	**0.73**
Propylbenzene, n-	0.5	NA	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	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	0.85 U	**0.34 J**	0.85 U	0.85 U	0.85 U	0.85 U
t-Butyl alcohol	NE	0.61 U	1.5 U	**0.21 J**	**1.2**	1.2 U	1.2 U	1.2 U	1.2 U	**0.25 J**	**0.20 J**	0.61 U	**0.31 J**	**0.31 J**	**0.22 J**
Tetrachloroethane, 1,1,2,2-	<0.25	1.4 U	1.4 U	1.4 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Tetrachloroethene	1.6	**5.8**	**3.5**	**26**	**29**	**3.9**	**3.4**	**34**	**18**	**0.43 J**	**0.64 J**	1.4 U	**0.50 J**	**0.40 J**	**0.45 J**
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	**3.6**	**5.9**	**9.4 J**	2.2 U	2.2 U	2.2 U	**2.2 J**	2.2 U	1.1 U	**0.43 J**	2.7 U	5.5 U	5.5 U	**1.0 J**
Thiophene	NE	0.69 U	0.69 U	0.69 U	1.4 U	1.4 U	1.4 U	1.4 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	NE	0.79 U	0.79 U	0.79 U	1.6 U	1.6 U	1.6 U	1.6 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-	3.6	**0.62 J**	1.5 U	**0.92 J**	**0.92 J**	3.1 U	3.1 U	3.1 U	**0.77 J**	**0.48 J**	**0.46 J**	**0.47 J**	**0.54 J**	**0.59 J**	**0.54 J**
Trichlorobenzene, 1,2,4-	4.8	1.5 UJ	1.5 U	**0.44 J**	3.0 U	3.0 U	3.0 U	3.0 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-	0.7	**0.53 J**	1.1 U	**0.98 J**	**1.5 J**	2.2 U	2.2 U	**0.86 J**	**0.76 J**	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	2.2 U	2.2 U	2.2 U	2.2 U	2.2 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	2.2 U	2.2 U	2.2 U	**0.90 J**	2.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichlorofluoromethane	6.1	**2.7**	**1.7**	**3.3**	**2.9 J**	**2.8**	**2.2**	**4.1**	**3.0**	**1.9**	**2.0**	**2.0**	**2.3**	**2.2**	**2.1**
Trimethylbenzene, 1,2,3-	0.6	**6.6**	**7.6**	**2.4**	2.0 U	2.0 U	**1.9 J**	**2.3**	2.0 U	**0.39 J**	**0.38 J**	0.98 U	0.98 U	0.98 U	0.98 U
Trimethylbenzene, 1,2,4-	2.5	**3.9 J**	**3.4**	**1.0 J**	2.0 U	2.0 U	2.0 U	**3.0 J**	**0.49 J**	0.98 U	**0.92 J**	**0.30 J**	0.98 U	**0.26 J**	**0.29 J**
Trimethylbenzene, 1,3,5-	1	**5.1**	**4.8**	**0.69 J**	2.0 U	2.0 U	2.0 U	**1.5 J**	2.0 U	0.98 U	**0.26 J**	0.98 U	0.98 U	0.98 U	0.98 U
Trimethylpentane, 2,2,4-	2	0.93 U	0.93 U	0.93 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U
Undecane, n-	2.3	**2.2**	**1.2 J**	**0.57 J**	2.6 U	2.6 U	**1.0 J**	**0.75 J**	2.6 U	**0.80 J**	**1.3**	**0.66 J**	**0.51 J**	**0.49 J**	**0.56 J**
Vinyl bromide	NE	0.87 U	0.87 U	0.87 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl chloride	<0.25	0.51 U	0.51 U	0.51 U	1.0 U	1.0 U	1.0 U	1.0 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	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.632**	**0.495**	**2.56**	**2.49**	**2.61**
Helium	NE	**0.0196**	0.031 U	**0.025**	0.00344 U	0.0153 U	0.0148 U	0.0144 U	0.0186 U	**0.037**	0.0156 U	0.0179 U	**0.018**	**0.0164**	**0.0169**

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-31 4/3/2009	OU2SG-31 4/4/2009	OU2SG-31 4/5/2009	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-31 10/14/2009	OU2SG-31 11/17/2009
BTEX (ug/m^3)															
Benzene	5.8	**0.22 J**	**1.3**	0.64 U	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	1.6 U	1.3 U
Toluene	21	**1.4**	**220**	**1.1**	**0.94**	**1.2**	**1.9**	**3.8**	**8.0**	**8.0**	**24 J**	**12**	**8.8**	**7.0**	1.5 U
Ethylbenzene	1.9	**0.25 J**	**4.4**	**0.27 J**	**0.26 J**	**0.30 J**	**0.35 J**	**0.57 J**	**1.2**	**0.88**	**3.2 J**	**1.4**	**0.98 J**	**0.65 J**	1.7 U
Xylene, m,p-	3.1	**0.82 J**	**6.8**	**0.80 J**	**1.0 J**	**1.2 J**	**1.2 J**	**1.9**	**3.6**	**2.8**	**10 J**	**3.0**	**1.8 J**	**1.2 J**	3.5 U
Xylene, o-	2.5	**0.25 J**	**2.4**	**0.26 J**	**0.26 J**	**0.30 J**	**0.29 J**	**0.57 J**	**1.1**	**0.89**	**3.3 J**	**1.5**	**1.1 J**	**0.98 J**	1.7 U
Other VOCs (ug/m^3)															
Acetaldehyde	NE	3.6 U	3.6 UJ	**3.5 J**	3.6 U	3.6 UJ	4.5 UJ	4.5 UJ	4.5 UJ	5.2 U	**19 J**	**10**	7.3 U	2.5 U	9.0 U
Acetone	58	5.2 U	1.8 UJ	**4.8 J**	**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	4.5 U	**1.5 J**
Acrolein (propenal)	NE	0.46 U	**2.7**	0.46 U	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	2.9 U	2.3 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	1.6 U	1.6 U	1.2 U
Benzothiophene	NE	14 UJ	14 UJ	14 UJ	14 UJ	14 UJ	14 U	14 UJ	1.1 U	1.1 U	1.1 UJ	1.1 UJ	2.7 U	2.7 U	2.2 UJ
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	3.4 U	3.4 U	2.7 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	5.2 U	5.2 U	4.1 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	1.9 U	1.9 U	1.6 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	0.44 U	0.44 U	0.44 U	1.1 U	1.1 U	0.88 U
Butane	NE	**1.1**	**2.8**	**0.67**	**1.2**	**2.6**	**6.4**	**6.1**	**0.76**	**0.48**	**0.65 J**	**0.69**	1.2 U	1.2 U	0.95 U
Butanone, 2-	17	**1.2**	**3.6**	**0.93**	**0.74**	**0.91**	**1.0**	**1.9**	**0.74**	**0.56 J**	**4.5 J**	**1.4**	1.5 U	1.5 U	1.2 U
Carbon disulfide	NE	**6.5**	**2.9**	**5.8**	**8.7**	**9.8**	**28**	**48**	**94**	**78**	**79 J**	**8.0**	**5.9**	**4.0**	**1.5**
Carbon tetrachloride	1	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	3.1 U	2.5 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	0.92 U	0.92 U	0.92 U	0.92 U	2.3 U	2.3 U	1.8 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	1.3 U	1.3 U	1.0 U
Chloroform	0.5	**5.8**	**2.9**	**6.1**	**6.7**	**6.2**	**6.8**	**5.8**	**5.3**	**5.4**	**7.3 J**	**9.3**	**4.0**	**3.3**	**2.2**
Chloromethane	4.6	**0.15 J**	**0.75**	**0.11 J**	**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	1.0 U	0.83 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	2.6 U	2.6 U	2.1 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	3.5 U	3.5 U	2.8 U
Cyclohexane	3	**0.47 J**	**5.0**	**0.51 J**	**2.1**	**15**	**98**	**160**	**35**	**0.91**	**1.6 J**	**0.31 J**	1.7 U	1.7 U	1.4 U
Decane, n-	3.6	**0.94 J**	**16**	**1.0 J**	**0.70 J**	**0.76 J**	**0.91 J**	**2.0**	**2.9**	1.2 U	1.2 UJ	**3.9**	2.9 U	2.9 U	2.3 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	4.3 U	4.3 U	3.4 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	3.8 U	3.8 U	3.1 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	**0.54 J**	**0.46 J**	**1.0 J**	**0.60 J**	3.0 U	3.0 U	2.4 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	**0.36 J**	**0.33 J**	**0.76 J**	1.2 U	3.0 U	3.0 U	2.4 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	**0.30 J**	**0.31 J**	**0.61 J**	**0.30 J**	3.0 U	3.0 U	2.4 U
Dichlorodifluoromethane	11	**2.9**	**2.7**	**2.7**	**2.9**	**2.9**	**3.2**	**2.8**	**1.5**	**1.4**	**3.3 J**	**2.5**	**3.2**	**2.8**	**3.1**
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	2.0 U	2.0 U	1.6 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	2.0 U	2.0 U	1.6 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	2.0 U	2.0 U	1.6 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	2.0 U	2.0 U	1.6 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	2.3 U	2.3 U	1.8 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	2.3 U	2.3 U	1.8 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	2.3 U	2.3 U	1.8 U
Dioxane, 1,4-	NE	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	1.8 U	1.4 U
Dodecane, n-	7.6	**1.4**	**2.3**	**2.3**	**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**	3.5 U	2.8 U
Ethanol	220	**4.5**	**18**	**3.1**	**2.0**	**2.7**	**4.4**	**5.3**	**6.2**	4.6 U	**12 J**	**4.2**	**2.6 J**	**1.8 J**	3.8 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	2.3 U	2.3 U	1.8 U
Ethyltoluene, p-	NE	0.98 U	**0.52 J**	0.98 U	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	2.5 U	2.0 U
Heptane, n-	5.1	**1.9**	**3.3**	**1.4**	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	2.0 U	1.6 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	5.3 U	5.3 U	4.3 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-31 4/3/2009	OU2SG-31 4/4/2009	OU2SG-31 4/5/2009	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-31 10/14/2009	OU2SG-31 11/17/2009
Hexane, n-	3.6	**0.54 J**	**2.1**	**0.98**	**2.9**	**9.1**	**13**	**4.6**	**0.88**	**0.38 J**	**1.1 J**	**0.35 J**	1.8 U	1.8 U	1.4 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	**1.7 J**	0.82 U	2.0 U	2.0 U	1.6 U
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	0.97 U	0.97 U	0.97 U	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	2.4 U	1.9 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	2.4 U	2.4 U	1.9 U
Isopropyl benzene	0.4	NA	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 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	1.8 U	1.4 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 U	2.0 U	2.0 U	1.6 U
Methylene chloride	2.9	2.4 U	**10**	1.7 U	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	4.3 U	3.5 U
Methylnaphthalene, 1-	NE	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	**0.46 J**	1.2 U	2.9 U	2.9 U	2.3 U
Methylnaphthalene, 2-	NE	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	**0.96 J**	1.2 U	2.9 U	2.9 U	2.3 UJ
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	2.0 U	1.6 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	2.0 U	2.0 U	1.6 U
Naphthalene	10	1.0 U	1.0 U	**0.56 J**	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	2.6 U	2.1 U
Nonane	1.2	**0.33 J**	**11**	1.0 UJ	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	2.6 U	2.1 U
Octane, n-	2.1	**0.41 J**	**1.5**	**0.26 J**	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	2.3 U	1.9 U
Pentane	NE	**0.83**	**2100**	**1.2**	**3.0**	**8.4**	**22**	**20**	**1.7**	**0.57 J**	**0.57 J**	**0.71**	1.5 U	1.5 U	1.2 U
Propanol, 2-	NE	0.77 U	**13**	0.49 U	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	3.0 U	2.5 U
Propylbenzene, n-	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.6	0.85 U	**5.3**	0.85 U	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	2.1 U	1.7 U
t-Butyl alcohol	NE	**0.20 J**	**0.51 J**	**0.24 J**	**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	1.5 U	1.2 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	3.4 U	3.4 U	2.7 U
Tetrachloroethene	1.6	**0.56 J**	**4.4**	**0.72 J**	**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**	**1.9 J**	**1.2 J**
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	**0.71 J**	**0.87 J**	**0.38 J**	**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**	**0.82 J**	2.2 UJ
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	0.69 U	0.69 U	0.69 U	1.7 U	1.7 U	1.4 U
Trans-1,2-dichloroethene	NE	0.79 U	**0.45 J**	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	2.0 U	1.6 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	**0.57 J**	**0.54 J**	**0.64 J**	**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	3.8 U	3.1 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	1.5 U	1.5 U	1.5 U	1.5 U	3.7 U	3.7 U	3.0 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	**0.43 J**	1.1 U	2.7 U	2.7 U	2.2 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	2.7 U	2.7 U	2.2 U
Trichloroethene	0.5	1.1 U	**0.38 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	**0.54 J**	2.7 U	2.7 U	2.2 U
Trichlorofluoromethane	6.1	**2.1**	**1.9**	**2.4**	**2.4**	**2.3**	**2.4**	**2.1**	**2.5**	**2.5**	**3.9 J**	**4.2**	**4.6**	**3.5**	**2.8**
Trimethylbenzene, 1,2,3-	0.6	0.98 U	**0.57 J**	0.98 U	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**	**0.74 J**	2.0 U
Trimethylbenzene, 1,2,4-	2.5	**0.33 J**	**1.1**	**0.38 J**	0.98 U	**0.25 J**	**0.30 J**	**0.76 J**	**1.7**	**1.5**	**4.0 J**	**2.2**	**1.5 J**	**1.4 J**	2.0 U
Trimethylbenzene, 1,3,5-	1	0.98 U	**0.47 J**	0.98 U	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	2.5 U	2.0 U
Trimethylpentane, 2,2,4-	2	0.93 U	**0.76 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	2.3 U	2.3 U	1.9 U
Undecane, n-	2.3	**0.68 J**	**6.1**	**1.2 J**	**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	3.2 U	2.6 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	2.2 U	2.2 U	1.8 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	1.3 U	1.3 U	1.0 U
Other (%)															
Carbon Dioxide	NE	**2.58**	**1.61**	**2.69**	**2.75**	**2.7**	**2.72**	**2.6**	**4.03**	**4.38**	**8.35**	**10.1**	**9.03**	**8.17**	**7**
Helium	NE	**0.0176**	**0.0166**	**0.02**	**0.0153**	NA	**0.0178**	**0.0183**	0.0176 U	**0.052**	0.0238 U	0.0201 U	**0.21**	0.00336 U	0.015 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-31 12/28/2009	OU2SG-31 1/14/2010	OU2SG-31 2/23/2010	OU2SG-31 3/19/2010	OU2SG-31 4/19/2010	OU2SG-31 6/9/2010	OU2SG-31 9/20/2010	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/m^3)															
Benzene	5.8	1.3 U	0.64 U	**0.45 J**	1.3 U	1.3 U	1.3 U	1.3 U	**8.5**	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U
Toluene	21	**0.83 J**	**0.53 J**	**0.90 J**	**1.5**	1.5 U	**0.45 J**	**0.60 J**	**3.1**	**1.1**	**0.20 J**	**0.38 J**	**0.21 J**	**0.73 J**	**0.98**
Ethylbenzene	1.9	1.7 U	0.87 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	**3.6**	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Xylene, m,p-	3.1	3.5 U	1.7 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	**2.7**	**0.45 J**	1.7 U	1.7 U	1.7 U	**0.48 J**	**0.51 J**
Xylene, o-	2.5	1.7 U	0.87 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	**2.0**	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Other VOCs (ug/m^3)															
Acetaldehyde	NE	9.0 U	4.5 U	9.0 U	9.0 U	**3.2 J**	**6.2 J**	**18**	1.8 UJ	1.8 UJ	2.1 U	1.8 U	3.6 U	3.6 U	3.6 U
Acetone	58	**2.2 J**	**0.62 J**	**1.6 J**	**2.6 J**	**1.6 J**	**2.6 J**	**9.4 J**	1.8 UJ	**3.1 J**	1.8 U	2.1 U	1.8 U	2.8 U	1.9 U
Acrolein (propenal)	NE	2.3 U	1.2 U	2.3 U	2.3 UJ	2.3 U	2.3 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
Allyl chloride	NE	1.2 U	0.63 U	1.2 U	1.2 U	1.2 U	1.2 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
Benzothiophene	NE	2.2 U	1.1 UJ	2.2 U	2.2 UJ	2.2 U	2.2 U	5.5 U	1.1 U	2.7 U	2.7 U	14 UJ	14 UJ	14 UJ	14 UJ
Bromodichloromethane	NE	2.7 U	1.3 U	2.7 U	2.7 U	2.7 U	2.7 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
Bromoform	NE	4.1 U	2.1 U	4.1 U	4.1 U	4.1 U	4.1 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
Bromomethane	0.9	1.6 U	0.78 U	1.6 U	1.6 U	1.6 U	1.6 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
Butadiene, 1,3-	NE	0.88 U	0.44 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	**0.26 J**	0.44 UJ	0.44 UJ	0.44 U	0.44 U	0.44 U	0.44 U
Butane	NE	**0.62 J**	0.48 U	0.95 U	0.95 U	0.95 U	0.95 U	**0.62 J**	**61**	**0.95**	**0.44 J**	**0.39 J**	**0.58**	**0.42 J**	**0.85**
Butanone, 2-	17	1.2 U	0.59 U	1.2 U	**1.0 J**	1.2 U	**0.61 J**	**2.4**	**3.2**	0.59 U	0.59 U	**0.42 J**	**0.32 J**	**0.62**	**0.42 J**
Carbon disulfide	NE	**0.62 J**	**0.40 J**	**0.93 J**	2.1 U	**1.3**	**1.6**	**1.3**	**8.5**	0.62 U	0.62 U	**1.9**	0.62 U	**1.5**	**3.2**
Carbon tetrachloride	1	2.5 U	1.3 U	2.5 U	2.5 U	2.5 U	2.5 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
Chlorobenzene	<0.25	1.8 U	0.92 U	1.8 U	1.8 U	1.8 U	1.8 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
Chloroethane	0.4	1.0 U	0.53 U	1.0 U	1.0 U	1.0 U	1.0 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
Chloroform	0.5	**1.4 J**	**0.93 J**	**0.68 J**	**1.2 J**	**1.6 J**	**2.6**	**5.0**	**44**	**8.1**	**7.4**	**6.7**	**6.8**	**6.4**	**6.1**
Chloromethane	4.6	0.83 U	0.41 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	**0.53**	**0.36 J**	0.41 U	**0.14 J**	**0.12 J**	**0.13 J**	0.41 U
Chlorotoluene, 2-	NE	2.1 U	1.0 U	2.1 U	2.1 U	2.1 U	2.1 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
Cryofluorane	1.3	2.8 U	1.4 U	2.8 U	2.8 U	2.8 U	2.8 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
Cyclohexane	3	1.4 UJ	0.69 U	1.4 U	1.4 U	1.4 UJ	1.4 U	1.4 U	**5.6**	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Decane, n-	3.6	2.3 U	1.2 U	2.3 U	2.3 U	2.3 U	2.3 U	**1.4 J**	**29**	**0.34 J**	1.2 U	1.2 U	1.2 U	**0.33 J**	**0.48 J**
Dibromochloromethane	NE	3.4 U	1.7 U	3.4 U	3.4 U	3.4 U	3.4 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
Dibromoethane, 1,2-	<0.25	3.1 U	1.5 U	3.1 U	3.1 U	3.1 U	3.1 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
Dichlorobenzene, 1,2-	0.9	2.4 U	1.2 U	2.4 U	2.4 U	2.4 U	**1.2 J**	2.4 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	2.4 U	1.2 U	2.4 U	2.4 U	2.4 U	2.4 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
Dichlorobenzene, 1,4-	0.8	2.4 U	1.2 U	2.4 U	2.4 U	2.4 U	2.4 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
Dichlorodifluoromethane	11	**3.0 J**	**2.2**	**3.1**	**2.5**	**2.9**	**2.7**	**3.2**	**2.9**	**2.7**	**2.5**	**2.5**	**2.5**	**2.6**	**2.5**
Dichloroethane, 1,1-	<0.25	1.6 U	0.81 U	1.6 U	1.6 U	1.6 U	1.6 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
Dichloroethane, 1,2-	<0.25	1.6 U	0.81 U	1.6 U	1.6 U	1.6 U	1.6 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
Dichloroethene, 1,1-	<0.25	1.6 U	0.79 U	1.6 U	1.6 U	1.6 U	1.6 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
Dichloroethene, cis-1,2-	<0.25	1.6 U	0.79 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	**1.2**	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloropropane, 1,2-	<0.25	1.8 U	0.92 U	1.8 U	1.8 U	1.8 U	1.8 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
Dichloropropene, cis-1,3	<0.25	1.8 U	0.91 U	1.8 U	1.8 U	1.8 U	1.8 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
Dichloropropene, trans-1,3	<0.25	1.8 U	0.91 U	1.8 U	1.8 U	1.8 U	1.8 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
Dioxane, 1,4-	NE	1.4 UJ	0.72 U	1.4 U	1.4 U	1.4 U	1.4 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
Dodecane, n-	7.6	2.8 U	1.4 UJ	2.8 U	2.8 U	2.8 U	**2.8**	**3.1**	**6.0 J**	**0.38 J**	3.5 U	**0.36 J**	**0.37 J**	**1.0 J**	**0.50 J**
Ethanol	220	**1.3 J**	**1.6 J**	**0.98 J**	**1.3 J**	**1.0 J**	**0.99 J**	**2.6 J**	**6.6**	**3.5 J**	**3.4 J**	**3.2**	**1.2 J**	**2.0**	**1.9**
Ethylthiophene, 2-	NE	1.8 U	0.92 U	1.8 U	1.8 U	1.8 U	1.8 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
Ethyltoluene, p-	NE	2.0 U	0.98 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**2.4**	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Heptane, n-	5.1	1.6 U	0.82 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	**8.1 J**	**3.2**	**0.63 J**	**0.66 J**	**0.29 J**	0.82 U	**0.86**
Hexachlorobutadiene	7	4.3 U	2.1 U	4.3 U	4.3 U	4.3 U	4.3 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

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-31 12/28/2009	OU2SG-31 1/14/2010	OU2SG-31 2/23/2010	OU2SG-31 3/19/2010	OU2SG-31 4/19/2010	OU2SG-31 6/9/2010	OU2SG-31 9/20/2010	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
Hexane, n-	3.6	1.4 U	0.70 U	1.4 U	1.4 U	1.4 UJ	1.4 U	1.4 U	**12**	**0.29 J**	0.70 U	0.70 U	0.70 U	0.70 U	**0.47 J**
Hexanone, 2-	NE	1.6 U	0.82 U	1.6 U	1.6 U	1.6 U	1.6 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
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	1.9 U	0.97 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	**3.2**	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U
Indene	NE	1.9 U	0.95 U	1.9 U	1.9 U	1.9 U	1.9 UJ	1.9 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	**0.28 J**	0.95 U
Isopropyl benzene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	5.9	1.4 U	0.72 U	1.4 U	1.4 UJ	1.4 U	1.4 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
Methyl-2-pentanone, 4-	2.9	1.6 U	0.82 U	1.6 U	1.6 U	1.6 UJ	1.6 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
Methylene chloride	2.9	3.5 U	1.7 U	**1.0 J**	3.5 U	3.5 U	**1.1 J**	**2.3 J**	1.8 U	1.7 U	1.7 U	1.7 U	1.7 U	2.1 U	2.5 U
Methylnaphthalene, 1-	NE	2.3 U	1.2 U	2.3 U	2.3 U	5.8 U	5.8 U	5.8 U	1.2 U	2.9 UJ	2.9 UJ	5.8 U	5.8 U	5.8 U	5.8 U
Methylnaphthalene, 2-	NE	2.3 U	1.2 U	2.3 U	2.3 UJ	5.8 UJ	5.8 U	5.8 U	1.2 U	2.9 UJ	2.9 UJ	5.8 U	5.8 U	5.8 U	5.8 U
Methylthiophene, 2-	NE	1.6 U	0.80 U	1.6 U	1.6 U	1.6 U	1.6 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
Methylthiophene, 3-	NE	1.6 U	0.80 U	1.6 U	1.6 U	1.6 U	1.6 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
Naphthalene	10	2.1 U	1.0 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	**0.58 J**	1.0 U
Nonane	1.2	2.1 U	1.0 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	**10**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**0.29 J**
Octane, n-	2.1	1.9 U	0.93 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	**29**	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	**0.36 J**
Pentane	NE	**0.35 J**	0.59 U	1.2 U	1.2 U	1.2 U	1.2 U	**0.53 J**	**44**	**3.0**	**0.35 J**	**0.37 J**	**0.36 J**	**0.42 J**	**0.63**
Propanol, 2-	NE	2.5 U	1.2 U	2.5 U	**1.2 J**	2.5 U	2.5 U	**0.98 J**	1.2 UJ	**1.0 J**	1.2 U	**1.7**	**0.94**	**1.2**	0.81 U
Propylbenzene, n-	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.6	1.7 U	0.85 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	**0.90**	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U
t-Butyl alcohol	NE	1.2 U	0.61 U	1.2 U	1.2 U	1.2 U	1.2 U	**0.55 J**	**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-	<0.25	2.7 U	1.4 U	2.7 U	2.7 U	2.7 U	2.7 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
Tetrachloroethene	1.6	2.7 U	**0.41 J**	**0.68 J**	**0.68 J**	**0.95 J**	**3.2**	**2.8**	**0.62 J**	**1.0 J**	**0.54 J**	**0.34 J**	**0.35 J**	**0.42 J**	**0.40 J**
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	2.2 U	1.1 U	2.2 U	2.2 UJ	2.2 U	2.2 U	2.2 U	**24**	**0.50 J**	2.7 U	5.5 U	**0.61 J**	5.5 U	5.5 U
Thiophene	NE	1.4 U	0.69 U	1.4 U	1.4 U	1.4 U	1.4 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
Trans-1,2-dichloroethene	NE	1.6 U	0.79 U	1.6 U	1.6 U	1.6 U	1.6 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
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	3.1 U	1.5 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 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-	4.8	3.0 U	1.5 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 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-	0.7	2.2 U	1.1 U	2.2 U	2.2 U	2.2 U	2.2 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
Trichloroethane, 1,1,2-	<0.25	2.2 U	1.1 U	2.2 U	2.2 U	2.2 U	2.2 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
Trichloroethene	0.5	2.2 U	1.1 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	**0.54 J**	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichlorofluoromethane	6.1	**2.0 J**	**1.6**	**1.9 J**	**1.6 J**	**2.0 J**	**2.5**	**3.8**	**2.9**	**3.1**	**2.9**	**3.2**	**3.2**	**3.5**	**3.9**
Trimethylbenzene, 1,2,3-	0.6	2.0 U	0.98 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**2.0**	0.98 U	0.98 U	0.98 U	0.98 U	**0.29 J**	0.98 U
Trimethylbenzene, 1,2,4-	2.5	2.0 U	0.98 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**15**	0.98 U	0.98 U	0.98 U	0.98 U	**0.32 J**	0.98 U
Trimethylbenzene, 1,3,5-	1	2.0 U	0.98 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**13**	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Trimethylpentane, 2,2,4-	2	1.9 U	0.93 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	0.93 UJ	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U
Undecane, n-	2.3	2.6 U	1.3 UJ	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	**9.7**	**0.53 J**	1.3 U	1.3 U	1.3 U	**0.44 J**	**0.34 J**
Vinyl bromide	NE	1.8 U	0.87 U	1.8 U	1.8 U	1.8 U	1.8 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
Vinyl chloride	<0.25	1.0 U	0.51 U	1.0 U	1.0 U	1.0 U	1.0 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
Other (%)															
Carbon Dioxide	NE	**3.83**	**3.06**	**2.52**	**2.53**	**3.08**	**5.42**	**8.1**	NA	**0.395**	**0.42**	**2.36**	**2.34**	**2.43**	**2.51**
Helium	NE	0.0152 U	0.0147 U	0.0161 U	**0.042**	0.0197 U	0.0186 U	0.0184 U	0.0177 U	0.0192 U	0.0183 U	**0.016**	**0.0189**	**0.017**	**0.0192**

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	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	OU2SG-32 10/14/2009	OU2SG-32 11/17/2009	OU2SG-32 12/28/2009
BTEX (ug/m^3)															
Benzene	5.8	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	1.6 U	1.3 U	1.3 U
Toluene	21	**1.0**	**1.0**	**0.98**	**1.8**	**1.7**	**2.7**	**5.4**	**6.9**	**13**	**2.0**	**0.85 J**	**0.66 J**	1.5 U	1.5 U
Ethylbenzene	1.9	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	2.2 U	1.7 U	1.7 U
Xylene, m,p-	3.1	**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	4.3 U	3.5 U	3.5 U
Xylene, o-	2.5	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	2.2 U	1.7 U	1.7 U
Other VOCs (ug/m^3)															
Acetaldehyde	NE	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	4.5 UJ	9.0 UJ	9.0 UJ
Acetone	58	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	5.2 U	3.6 UJ	3.6 UJ
Acrolein (propenal)	NE	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	2.9 U	2.3 U	2.3 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	6.3 U	0.63 U	1.6 U	1.6 U	1.2 U	1.2 U
Benzothiophene	NE	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	2.7 U	2.2 UJ	2.2 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	13 U	1.3 U	3.4 U	3.4 U	2.7 U	**4.0**
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	21 U	2.1 U	5.2 U	5.2 U	4.1 U	4.1 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	7.8 U	0.78 U	1.9 U	1.9 U	1.6 U	1.6 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	4.4 U	0.44 U	1.1 U	1.1 U	0.88 U	0.88 U
Butane	NE	**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**	**1.9**	**170**	**77**
Butanone, 2-	17	**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	1.5 U	1.2 U	1.2 U
Carbon disulfide	NE	**4.2**	**4.8**	**5.4**	**9.9**	**9.2**	**16**	**35**	**23**	**170 J**	**9.0**	**1.9**	**1.0 J**	**0.75 J**	**0.81 J**
Carbon tetrachloride	1	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	3.1 U	2.5 U	2.5 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	0.92 U	9.2 U	0.92 U	2.3 U	2.3 U	1.8 U	1.8 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	5.3 U	0.53 U	1.3 U	1.3 U	1.0 U	1.0 U
Chloroform	0.5	**6.0**	**6.2**	**6.0**	**4.8**	**4.6**	**11**	**2.8**	**2.5**	**3.4 J**	**4.0**	**4.2**	**1.6 J**	**16**	**54**
Chloromethane	4.6	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	1.0 U	0.83 U	0.83 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	10 U	1.0 U	2.6 U	2.6 U	2.1 U	2.1 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	14 U	1.4 U	3.5 U	3.5 U	2.8 U	2.8 U
Cyclohexane	3	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	1.7 U	1.4 U	1.4 UJ
Decane, n-	3.6	**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	2.9 U	2.3 U	2.3 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	17 U	1.7 U	4.3 U	4.3 U	3.4 U	3.4 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	15 U	1.5 U	3.8 U	3.8 U	3.1 U	3.1 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	12 U	1.2 U	3.0 U	3.0 U	2.4 U	2.4 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	12 U	1.2 U	3.0 U	3.0 U	2.4 U	2.4 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	**0.31 J**	12 U	1.2 U	3.0 U	3.0 U	2.4 U	2.4 U
Dichlorodifluoromethane	11	**2.8**	**2.7**	**2.7**	**2.6**	**2.8**	**2.7**	**1.1**	**0.98 J**	**3.2 J**	**2.6**	**3.2**	**3.3**	**2.9**	**3.4**
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	8.1 U	0.81 U	2.0 U	2.0 U	1.6 U	1.6 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	8.1 U	0.81 U	2.0 U	2.0 U	1.6 U	1.6 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	7.9 U	0.79 U	2.0 U	2.0 U	1.6 U	1.6 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	7.9 U	0.79 U	2.0 U	2.0 U	1.6 U	1.6 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	9.2 U	0.92 U	2.3 U	2.3 U	1.8 U	1.8 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	9.1 U	0.91 U	2.3 U	2.3 U	1.8 U	1.8 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	9.1 U	0.91 U	2.3 U	2.3 U	1.8 U	1.8 U
Dioxane, 1,4-	NE	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	1.8 U	1.4 U	1.4 UJ
Dodecane, n-	7.6	**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**	3.5 U	**1.5 J**	**0.70 J**
Ethanol	220	**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	**1.8 J**	3.8 U	3.8 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	9.2 U	0.92 U	2.3 U	2.3 U	1.8 U	1.8 U
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	9.8 U	0.98 U	2.5 U	2.5 U	2.0 U	2.0 U
Heptane, n-	5.1	**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	2.0 U	1.6 U	1.6 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	21 U	2.1 U	5.3 U	5.3 U	4.3 U	4.3 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	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	OU2SG-32 10/14/2009	OU2SG-32 11/17/2009	OU2SG-32 12/28/2009
Hexane, n-	3.6	**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	1.8 U	1.4 U	1.4 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	**0.80 J**	8.2 U	0.82 U	2.0 U	2.0 U	1.6 U	1.6 U
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	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	2.4 U	1.9 U	1.9 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	9.5 U	0.95 U	2.4 U	2.4 U	1.9 U	1.9 U
Isopropyl benzene	0.4	NA	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 U	0.72 U	0.72 U	0.72 U	0.72 U	7.2 U	0.72 U	1.8 U	1.8 U	1.4 U	1.4 U
Methyl-2-pentanone, 4-	2.9	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	2.0 U	1.6 U	1.6 U
Methylene chloride	2.9	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	4.3 U	3.5 U	3.5 U
Methylnaphthalene, 1-	NE	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	2.9 U	2.3 U	2.3 U
Methylnaphthalene, 2-	NE	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	2.9 U	2.3 UJ	2.3 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	8.0 U	0.80 U	2.0 U	2.0 U	1.6 U	1.6 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	8.0 U	0.80 U	2.0 U	2.0 U	1.6 U	1.6 U
Naphthalene	10	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	2.6 U	2.1 U	2.1 U
Nonane	1.2	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	2.6 U	2.1 U	2.1 U
Octane, n-	2.1	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	2.3 U	1.9 U	1.9 U
Pentane	NE	**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	1.5 U	**3.5**	**4.1**
Propanol, 2-	NE	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	4.2 U	2.5 U	2.5 U
Propylbenzene, n-	0.5	NA	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	**0.60 J**	**0.55 J**	8.5 U	**0.43 J**	2.1 U	2.1 U	1.7 U	1.7 U
t-Butyl alcohol	NE	**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	1.5 U	1.2 U	1.2 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	14 U	1.4 U	3.4 U	3.4 U	2.7 U	2.7 U
Tetrachloroethene	1.6	**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**	**1.5 J**	**1.2 J**	**0.81 J**
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	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	2.7 U	2.2 UJ	2.2 U
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	6.9 U	0.69 U	1.7 U	1.7 U	1.4 U	1.4 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	7.9 U	0.79 U	2.0 U	2.0 U	1.6 U	1.6 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	**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	3.8 U	3.1 U	3.1 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	1.5 U	15 U	1.5 U	3.7 U	3.7 U	3.0 U	3.0 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	11 U	1.1 U	2.7 U	2.7 U	2.2 U	2.2 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	11 U	1.1 U	2.7 U	2.7 U	2.2 U	2.2 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	11 U	1.1 U	2.7 U	2.7 U	2.2 U	2.2 U
Trichlorofluoromethane	6.1	**4.8**	**4.1**	**4.5**	**4.4**	**3.4**	**6.2**	**13**	**20**	**44**	**36**	**20**	**11**	**3.3**	**1.9 J**
Trimethylbenzene, 1,2,3-	0.6	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	2.5 U	2.0 U	2.0 U
Trimethylbenzene, 1,2,4-	2.5	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	2.5 U	2.0 U	2.0 U
Trimethylbenzene, 1,3,5-	1	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	**0.44 J**	0.98 U	9.8 U	0.98 U	2.5 U	2.5 U	2.0 U	2.0 U
Trimethylpentane, 2,2,4-	2	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	2.3 U	1.9 U	1.9 U
Undecane, n-	2.3	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	3.2 U	2.6 U	2.6 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	8.7 U	0.87 U	2.2 U	2.2 U	1.8 U	1.8 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	5.1 U	0.51 U	1.3 U	1.3 U	1.0 U	1.0 U
Other (%)															
Carbon Dioxide	NE	**2.74**	**2.71**	**2.74**	**2.9**	**2.8**	**3.31**	**5.75**	**8.58**	**12.6**	**12.3**	**8.26**	**8.54**	**9.85**	**5.69**
Helium	NE	**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	0.00304 U	0.0156 U	0.0172 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-32 1/14/2010	OU2SG-32 2/23/2010	OU2SG-32 3/19/2010	OU2SG-32 4/19/2010	OU2SG-32 6/9/2010	OU2SG-32 9/20/2010	OU2SG-33A 11/16/2009	OU2SG-33P 11/16/2009	OU2SG-33A 11/17/2009	OU2SG-33P 11/17/2009	OU2SG-33 11/18/2009	OU2SG-33 11/19/2009	OU2SG-33 11/20/2009	OU2SG-33 12/18/2009
BTEX (ug/m^3)															
Benzene	5.8	**0.19 J**	**0.45 J**	1.3 U	1.3 U	1.3 U	1.3 U	**0.38 J**	**0.51 J**	**0.45 J**	**0.45 J**	**0.38 J**	1.3 U	**0.89 J**	**0.38 J**
Toluene	21	**0.45 J**	**0.45 J**	**0.98 J**	**1.1 J**	1.5 U	**0.45 J**	**3.2**	**1.4 J**	**0.68 J**	**0.83 J**	**0.60 J**	1.5 U	**1.6**	**4.3**
Ethylbenzene	1.9	0.87 U	1.7 U	1.7 U	**0.52 J**	1.7 U	1.7 U	**1.0 J**	**27**	**28**	**30**	**22**	1.7 U	**53**	**1.5 J**
Xylene, m,p-	3.1	1.7 U	3.5 U	3.5 U	**2.2 J**	3.5 U	3.5 U	**3.0 J**	**86**	**75**	**86**	**61**	**1.2 J**	**180**	**4.8**
Xylene, o-	2.5	0.87 U	1.7 U	1.7 U	**0.87 J**	1.7 U	1.7 U	**1.1 J**	**22**	**22**	**23**	**19**	1.7 U	**52**	**2.0**
Other VOCs (ug/m^3)															
Acetaldehyde	NE	4.5 UJ	9.0 UJ	9.0 UJ	9.0 UJ	9.0 UJ	9.0 U	9.0 UJ	9.0 UJ	9.0 UJ	9.0 UJ	9.0 UJ	9.0 UJ	9.0 UJ	3.6 UJ
Acetone	58	**0.81 J**	**1.9 J**	3.6 UJ	**4.3 J**	**5.7**	**6.0 JB**	**4.2**	**3.8**	**2.5 J**	**2.4 J**	**2.0 J**	**1.3 J**	5.6 U	4.8 UJ
Acrolein (propenal)	NE	1.2 U	2.3 U	2.3 UJ	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U
Allyl chloride	NE	0.63 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
Benzothiophene	NE	1.1 UJ	2.2 U	2.2 UJ	2.2 U	2.2 U	5.5 U	2.2 UJ	2.2 UJ	2.2 UJ	2.2 UJ	2.2 UJ	2.2 UJ	2.2 UJ	2.2 U
Bromodichloromethane	NE	**8.8**	**9.6**	**18**	**2.5 J**	**0.83 J**	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
Bromoform	NE	2.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U
Bromomethane	0.9	0.78 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Butadiene, 1,3-	NE	0.44 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U
Butane	NE	**1.5**	**3.0**	**54**	**1.5**	**0.35 J**	**0.90 J**	**0.86 J**	**1.2**	**1.1**	**1.0**	**1.2**	**0.57 J**	**0.71 J**	**120**
Butanone, 2-	17	0.59 U	1.2 U	**1.1 J**	**2.0**	**1.8**	**0.77 J**	**0.83 J**	**1.8**	**1.3**	**1.3**	**1.1 J**	1.2 U	**5.4**	1.2 U
Carbon disulfide	NE	**0.50 J**	**1.8**	**5.0**	**1.4**	**1.5**	**0.75 J**	1.2 UJ	1.2 U	**0.68 J**	**0.31 J**	**0.81 J**	1.2 U	1.2 U	1.2 U
Carbon tetrachloride	1	**0.44 J**	**0.88 J**	**4.0**	**1.3 J**	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chlorobenzene	<0.25	0.92 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Chloroethane	0.4	0.53 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
Chloroform	0.5	**150**	**200**	**330**	**45**	**26**	**2.0**	**1.7 J**	**1.6 J**	**1.6 J**	**1.5 J**	**1.7 J**	**1.7 J**	**1.6 J**	**0.68 J**
Chloromethane	4.6	**0.10 J**	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.82 U
Chlorotoluene, 2-	NE	1.0 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	2.1 U	2.1 U	2.1 U	2.1 U
Cryofluorane	1.3	1.4 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U
Cyclohexane	3	0.69 U	1.4 U	1.4 U	1.4 UJ	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	**15**
Decane, n-	3.6	1.2 U	2.3 U	**0.70 J**	**4.8**	2.3 U	**0.70 J**	**4.1**	**25**	**43**	**48**	**50**	**3.3**	**220**	**22**
Dibromochloromethane	NE	1.7 U	3.4 U	**2.2 J**	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U
Dibromoethane, 1,2-	<0.25	1.5 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Dichlorobenzene, 1,2-	0.9	1.2 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U
Dichlorobenzene, 1,3-	0.7	1.2 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U
Dichlorobenzene, 1,4-	0.8	1.2 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U
Dichlorodifluoromethane	11	**2.0**	**2.9**	**2.8**	**2.9**	**2.6**	**3.6**	**3.2**	**3.2**	**3.3**	**2.9**	**3.0**	**3.3**	**3.2**	**3.1**
Dichloroethane, 1,1-	<0.25	0.81 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Dichloroethane, 1,2-	<0.25	0.81 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Dichloroethene, 1,1-	<0.25	0.79 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Dichloroethene, cis-1,2-	<0.25	0.79 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Dichloropropane, 1,2-	<0.25	0.92 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Dichloropropene, cis-1,3	<0.25	0.91 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Dichloropropene, trans-1,3	<0.25	0.91 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Dioxane, 1,4-	NE	0.72 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
Dodecane, n-	7.6	1.4 UJ	2.8 U	2.8 U	2.8 U	**1.4 J**	**2.9**	**3.1**	**7.4**	**12**	**24**	**24**	**5.4**	**76 J**	**12 J**
Ethanol	220	**1.1 J**	**1.7 J**	3.8 U	**0.98 J**	**1.4 J**	**2.6 J**	**11**	**4.8**	**2.4 J**	**2.8 J**	**1.8 J**	3.8 U	**4.0**	**6.3**
Ethylthiophene, 2-	NE	0.92 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Ethyltoluene, p-	NE	0.98 U	2.0 U	2.0 U	**0.88 J**	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**0.59 J**	**0.49 J**	2.0 U	**1.1 J**	2.0 U
Heptane, n-	5.1	0.82 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	**0.49 J**	**3.8**	**2.4**	**4.0**	**1.8**	1.6 U	**4.3**	1.6 U
Hexachlorobutadiene	7	2.1 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 UJ	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-32 1/14/2010	OU2SG-32 2/23/2010	OU2SG-32 3/19/2010	OU2SG-32 4/19/2010	OU2SG-32 6/9/2010	OU2SG-32 9/20/2010	OU2SG-33A 11/16/2009	OU2SG-33P 11/16/2009	OU2SG-33A 11/17/2009	OU2SG-33P 11/17/2009	OU2SG-33 11/18/2009	OU2SG-33 11/19/2009	OU2SG-33 11/20/2009	OU2SG-33 12/18/2009
Hexane, n-	3.6	0.70 U	1.4 U	**0.49 J**	**0.42 J**	1.4 U	1.4 U	1.4 U	**0.99 J**	**1.1 J**	**1.6**	**1.1 J**	1.4 U	**1.1 J**	**1.1 J**
Hexanone, 2-	NE	0.82 U	1.6 U	1.6 U	**1.7**	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	**2.0**	1.6 U
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	0.97 U	1.9 U	1.9 U	**0.77 J**	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	**0.77 J**	1.9 U
Indene	NE	0.95 U	1.9 U	1.9 U	1.9 U	1.9 UJ	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 UJ
Isopropyl benzene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	5.9	0.72 U	1.4 U	1.4 UJ	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
Methyl-2-pentanone, 4-	2.9	0.82 U	1.6 U	1.6 U	1.6 UJ	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Methylene chloride	2.9	**0.45 J**	**1.1 J**	3.5 U	**1.0 J**	**2.3 J**	**2.1 J**	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
Methylnaphthalene, 1-	NE	1.2 U	2.3 U	2.3 U	**260 J**	5.8 U	5.8 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U
Methylnaphthalene, 2-	NE	1.2 U	2.3 U	2.3 UJ	**680 J**	5.8 U	5.8 U	2.3 UJ	2.3 UJ	2.3 UJ	2.3 UJ	2.3 UJ	2.3 UJ	2.3 U	2.3 U
Methylthiophene, 2-	NE	0.80 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Methylthiophene, 3-	NE	0.80 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Naphthalene	10	1.0 U	2.1 U	2.0 U	2.1 U	2.1 U	2.1 U	2.1 U	**1.3 J**	2.1 U	2.1 U	**0.73 J**	2.1 U	**1.7 J**	2.1 U
Nonane	1.2	1.0 U	2.1 U	2.1 U	**1.6 J**	2.1 U	2.1 U	**2.2**	**15**	**15**	**18**	**16**	**0.94 J**	**90**	**2.4**
Octane, n-	2.1	0.93 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	**0.65 J**	**6.5**	**3.9**	**5.6**	**3.3**	1.9 U	**15**	**0.65 J**
Pentane	NE	**0.41 J**	1.2 U	**3.5**	**1.0 J**	1.2 U	**0.59 J**	**4.8**	**9.3**	**9.5**	**8.9**	**5.1**	**2.6**	**7.7**	**320**
Propanol, 2-	NE	1.2 U	**1.9 J**	2.5 U	2.5 U	**2.3 J**	**1.2 J**	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	3.4 U
Propylbenzene, n-	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.6	0.85 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	**0.51 J**	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
t-Butyl alcohol	NE	0.61 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
Tetrachloroethane, 1,1,2,2-	<0.25	1.4 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
Tetrachloroethene	1.6	1.4 U	2.7 U	2.7 U	**0.81 J**	**2.4 J**	**2.3 J**	**6.5**	**6.8**	**6.5**	**6.9**	**7.7**	**13**	**9.6**	**7.4**
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	1.1 U	2.2 U	2.2 UJ	**2.0 J**	2.2 U	2.2 U	2.2 UJ	2.2 UJ	2.2 UJ	2.2 UJ	**0.77 J**	2.2 UJ	**1.3 J**	2.2 U
Thiophene	NE	0.69 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
Trans-1,2-dichloroethene	NE	0.79 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	**0.46 J**	3.1 U	3.1 U	3.1 U	**0.90 J**	**0.77 J**	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Trichlorobenzene, 1,2,4-	4.8	1.5 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Trichloroethane, 1,1,1-	0.7	1.1 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
Trichloroethane, 1,1,2-	<0.25	1.1 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
Trichloroethene	0.5	1.1 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	**0.54 J**	**0.54 J**	**0.64 J**	**0.54 J**	**0.64 J**	2.2 U	**0.86 J**	**0.75 J**
Trichlorofluoromethane	6.1	**1.3**	**2.0 J**	**2.6**	**6.5**	**12**	**9.7**	**3.0**	**2.8**	**2.9**	**2.6**	**2.7**	**3.0**	**3.1**	**2.2**
Trimethylbenzene, 1,2,3-	0.6	0.98 U	2.0 U	2.0 U	**1.7 J**	2.0 U	2.0 U	2.0 U	**0.69 J**	**1.2 J**	**1.4 J**	**1.5 J**	2.0 U	**3.2**	2.0 U
Trimethylbenzene, 1,2,4-	2.5	0.98 U	2.0 U	2.0 U	**3.4**	2.0 U	2.0 U	2.0 UJ	**0.88 J**	**1.1 J**	**1.1 J**	**1.1 J**	2.0 U	**2.8**	2.0 U
Trimethylbenzene, 1,3,5-	1	0.98 U	2.0 U	2.0 U	**1.3 J**	2.0 U	2.0 U	2.0 U	2.0 U	**0.59 J**	**0.59 J**	**0.59 J**	2.0 U	**1.4 J**	2.0 U
Trimethylpentane, 2,2,4-	2	0.93 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Undecane, n-	2.3	1.3 UJ	2.6 U	2.6 U	**3.2 J**	2.6 U	2.6 U	**6.3 J**	**27 J**	**48 J**	**65 J**	**85 J**	**8.7 J**	**260 J**	**37**
Vinyl bromide	NE	0.87 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Vinyl chloride	<0.25	0.51 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
Other (%)															
Carbon Dioxide	NE	**4.36**	**4.39**	**7.12**	**8.06**	**8.42**	**9.29**	**2.98**	**2.81**	**2.85**	**2.9**	**2.87**	**2.84**	**3**	**3.15**
Helium	NE	0.0198 U	0.0169 U	**0.098**	0.0185 U	0.0173 U	0.0164 U	0.0141 U	0.0184 U	0.0177 U	0.0182 U	0.0164 U	0.0184 U	0.019 U	0.0158 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-33 1/14/2010	OU2SG-33 2/23/2010	OU2SG-33 3/19/2010	OU2SG-33 4/19/2010	OU2SG-33 6/30/2010	OU2SG-33 9/20/2010	OU2SG-34A 11/16/2009	OU2SG-34P 11/16/2009	OU2SG-34A 11/17/2009	OU2SG-34P 11/17/2009	OU2SG-34 11/18/2009	OU2SG-34 11/19/2009	OU2SG-34 11/20/2009	OU2SG-34 12/18/2009
BTEX (ug/m^3)															
Benzene	5.8	**0.67**	**0.38 J**	**2.1 J**	1.3 U	**27**	**13**	**0.38 J**	**0.45 J**	**0.64 J**	**0.57 J**	**0.38 J**	**0.51 J**	**0.77 J**	1.3 U
Toluene	21	**2.0**	1.5 U	**2.8 J**	**0.45 J**	**120**	**24**	**2.0**	**1.6**	**1.7**	**1.8**	**1.2 J**	**1.7**	**2.0**	1.5 U
Ethylbenzene	1.9	**23**	1.7 U	**23**	**3.8**	**8.7**	**1.8**	**2.6**	**18**	**52**	**59**	**38**	**48**	**46**	1.7 U
Xylene, m,p-	3.1	**59**	3.5 U	**86**	**12**	**22**	**4.9**	**8.2**	**56**	**140**	**160**	**94**	**110**	**110**	3.5 U
Xylene, o-	2.5	**21**	1.7 U	**38**	**4.1**	**8.0**	**1.3 J**	**2.9**	**45**	**140**	**170**	**110**	**130**	**120**	1.7 U
Other VOCs (ug/m^3)															
Acetaldehyde	NE	4.5 U	9.0 U	22 U	9.0 U	9.0 UJ	9.0 U	9.0 U	**3.7 J**	9.0 UJ	9.0 U	9.0 UJ	**5.5 J**	9.0 UJ	3.6 U
Acetone	58	**1.0 J**	**1.3 J**	**7.6 J**	**1.7 J**	**470**	**340**	**3.6**	**3.7**	**3.0 J**	**2.2 J**	**2.8 J**	**2.6 J**	3.6 U	4.8 U
Acrolein (propenal)	NE	1.2 U	2.3 U	5.7 UJ	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U
Allyl chloride	NE	0.63 U	1.2 U	3.1 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
Benzothiophene	NE	1.1 UJ	2.2 U	5.5 UJ	2.2 U	2.2 U	5.5 U	2.2 UJ	2.2 UJ	2.2 UJ	2.2 UJ	2.2 UJ	2.2 UJ	2.2 UJ	2.2 U
Bromodichloromethane	NE	1.3 U	2.7 U	6.7 U	2.7 U	2.7 U	2.7 U	**0.94 J**	**0.67 J**	**0.80 J**	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
Bromoform	NE	2.1 U	4.1 U	10 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U
Bromomethane	0.9	0.78 U	1.6 U	3.9 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Butadiene, 1,3-	NE	0.44 U	0.88 U	2.2 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U
Butane	NE	**0.74**	0.95 U	**2.8**	**36**	**12000**	**7400**	**1.9**	**1.5**	**3.3**	**1.1**	**0.90 J**	**1.4**	**0.95**	**0.81 J**
Butanone, 2-	17	**0.59**	1.2 U	**2.2 J**	1.2 U	**19**	**58**	1.2 U	**0.65 J**	1.2 U	1.2 U	1.2 U	1.2 U	**1.1 J**	1.2 U
Carbon disulfide	NE	0.62 U	1.2 U	5.1 U	**0.68 J**	2.0 U	**0.93 J**	1.2 U	**0.68 J**	**0.87 J**	**0.68 J**	**0.62 J**	**0.68 J**	1.2 U	1.2 U
Carbon tetrachloride	1	1.3 U	2.5 U	6.3 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chlorobenzene	<0.25	0.92 U	1.8 U	4.6 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Chloroethane	0.4	0.53 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	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	0.5	0.98 U	2.0 U	**4.9**	2.0 U	**42**	**1.4 J**	**43**	**34**	**34**	**29**	**28**	**27**	**26**	**10**
Chloromethane	4.6	0.41 U	0.83 U	2.1 U	0.83 U	**0.50 J**	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.82 U
Chlorotoluene, 2-	NE	1.0 U	2.1 U	5.2 U	2.1 U	2.4 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	2.1 U
Cryofluorane	1.3	1.4 U	2.8 U	7.0 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U
Cyclohexane	3	**1.1**	1.4 U	3.4 U	**5.9 J**	**520**	**580**	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Decane, n-	3.6	**530**	2.3 U	**23**	2.3 U	**61**	**2.3**	**11**	**19**	**95**	**140**	**110**	**160**	**260**	2.3 U
Dibromochloromethane	NE	1.7 U	3.4 U	8.5 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U
Dibromoethane, 1,2-	<0.25	1.5 U	3.1 U	7.7 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Dichlorobenzene, 1,2-	0.9	1.2 U	2.4 U	6.0 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U
Dichlorobenzene, 1,3-	0.7	1.2 U	2.4 U	6.0 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U
Dichlorobenzene, 1,4-	0.8	1.2 U	2.4 U	6.0 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U
Dichlorodifluoromethane	11	**3.2**	**4.0**	**3.7 J**	**4.6**	**2.2**	2.0 U	**2.8**	**2.3**	**2.8**	**2.5**	**2.8**	**2.8**	**2.4**	**2.4**
Dichloroethane, 1,1-	<0.25	0.81 U	1.6 U	4.0 U	1.6 U	1.6 UJ	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Dichloroethane, 1,2-	<0.25	0.81 U	1.6 U	4.0 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Dichloroethene, 1,1-	<0.25	0.79 U	1.6 U	4.0 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Dichloroethene, cis-1,2-	<0.25	0.79 U	1.6 U	4.0 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Dichloropropane, 1,2-	<0.25	0.92 U	1.8 U	4.6 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Dichloropropene, cis-1,3	<0.25	0.91 U	1.8 U	4.5 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Dichloropropene, trans-1,3	<0.25	0.91 U	1.8 U	4.5 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Dioxane, 1,4-	NE	0.72 U	1.4 U	3.6 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	1.4 U
Dodecane, n-	7.6	**57 J**	**2.6 J**	7.0 UJ	2.8 U	**360**	**7.9**	**1.2 J**	2.8 U	**5.4**	**15**	**11**	**26**	**44 J**	**8.2 J**
Ethanol	220	**1.0 J**	**1.2 J**	**4.4 J**	**1.8 J**	**15**	**4.4**	**8.1**	**12**	**5.0**	**4.8**	**2.5 J**	**4.5**	**3.6 J**	3.8 U
Ethylthiophene, 2-	NE	0.92 U	1.8 U	4.6 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Ethyltoluene, p-	NE	**1.2**	2.0 U	4.9 U	2.0 U	2.0 U	2.0 U	2.0 U	**0.88 J**	**2.6**	**3.8**	**3.0**	**3.6**	**3.7**	2.0 U
Heptane, n-	5.1	**7.6**	1.6 U	**3.5 J**	**0.82 J**	**54**	**36**	**0.66 J**	**2.3**	**15**	**10**	**7.4**	**8.4**	**9.6**	1.6 U
Hexachlorobutadiene	7	2.1 U	4.3 U	11 U	4.3 U	4.3 U	4.3 U	4.3 UJ	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-33 1/14/2010	OU2SG-33 2/23/2010	OU2SG-33 3/19/2010	OU2SG-33 4/19/2010	OU2SG-33 6/30/2010	OU2SG-33 9/20/2010	OU2SG-34A 11/16/2009	OU2SG-34P 11/16/2009	OU2SG-34A 11/17/2009	OU2SG-34P 11/17/2009	OU2SG-34 11/18/2009	OU2SG-34 11/19/2009	OU2SG-34 11/20/2009	OU2SG-34 12/18/2009
Hexane, n-	3.6	**1.8**	1.4 U	**1.8 J**	**1.6 J**	**660**	**550**	1.4 U	**0.56 J**	**3.5**	**2.0**	**1.6**	**2.1**	**2.7**	1.4 U
Hexanone, 2-	NE	0.82 U	1.6 U	4.1 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	0.97 U	1.9 U	4.8 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	**1.1 J**	**1.7 J**	1.9 U	**2.0**	**2.1**	1.9 U
Indene	NE	0.95 U	1.9 U	4.8 U	1.9 U	1.9 UJ	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 UJ
Isopropyl benzene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	5.9	0.72 U	1.4 U	3.6 UJ	1.4 U	1.4 UJ	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
Methyl-2-pentanone, 4-	2.9	0.82 U	1.6 U	4.1 U	1.6 UJ	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Methylene chloride	2.9	**0.45 J**	3.5 U	8.7 U	**1.1 J**	**12**	**5.4 J**	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
Methylnaphthalene, 1-	NE	1.2 U	2.3 U	5.8 U	5.8 U	5.8 U	5.8 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U
Methylnaphthalene, 2-	NE	1.2 U	2.3 U	5.8 UJ	5.8 UJ	5.8 U	5.8 U	2.3 UJ	2.3 UJ	2.3 UJ	2.3 UJ	2.3 UJ	2.3 U	2.3 U	2.3 U
Methylthiophene, 2-	NE	0.80 U	1.6 U	4.0 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 UJ	1.6 U	1.6 U
Methylthiophene, 3-	NE	0.80 U	1.6 U	4.0 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Naphthalene	10	1.0 U	2.1 U	5.0 U	2.1 U	**3.2 J**	2.1 U	2.1 U	2.1 U	2.1 U	**0.52 J**	2.1 U	**0.73 J**	**0.52 J**	2.1 U
Nonane	1.2	**140**	2.1 U	**5.0 J**	2.1 U	**5.6**	**1.8 J**	**16**	**25**	**72**	**82**	**45**	**48**	**74**	2.1 U
Octane, n-	2.1	**16**	1.9 U	**3.3 J**	**0.65 J**	**14**	1.9 U	**11**	**10**	**26**	**24**	**11**	**9.6**	**12**	1.9 U
Pentane	NE	**6.1**	**0.83 J**	**8.6**	**10**	**3300**	**2400**	**8.8**	**6.2**	**18**	**7.6**	**6.8**	**9.7**	**7.8**	**1.2**
Propanol, 2-	NE	**0.47 J**	2.5 U	6.1 U	2.5 U	**150**	**210**	**1.7 J**	**2.4 J**	**3.2**	**1.9 J**	**0.93 J**	**0.93 J**	**0.84 J**	2.4 U
Propylbenzene, n-	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.6	0.85 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	1.7 U	1.7 U	**0.43 J**	1.7 U
t-Butyl alcohol	NE	**0.39 J**	1.2 U	3.0 U	1.2 U	**3.3**	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	**0.42 J**
Tetrachloroethane, 1,1,2,2-	<0.25	1.4 U	2.7 U	6.9 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
Tetrachloroethene	1.6	**4.5**	**13**	**19**	**24**	**29**	**8.4**	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	1.1 U	2.2 U	5.5 UJ	2.2 U	2.2 U	2.2 U	2.2 UJ	2.2 UJ	2.2 UJ	**1.1 J**	**1.1 J**	**1.9 J**	**2.5 J**	2.2 U
Thiophene	NE	0.69 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	1.4 U	1.4 U	1.4 U	1.4 U
Trans-1,2-dichloroethene	NE	0.79 U	1.6 U	4.0 U	1.6 U	1.6 UJ	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	**0.61 J**	3.1 U	7.7 U	**0.92 J**	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Trichlorobenzene, 1,2,4-	4.8	1.5 U	3.0 U	7.4 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Trichloroethane, 1,1,1-	0.7	1.1 U	2.2 U	5.4 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
Trichloroethane, 1,1,2-	<0.25	1.1 U	2.2 U	5.4 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
Trichloroethene	0.5	**0.32 J**	2.2 U	5.4 U	2.2 U	**7.4**	**6.2**	2.2 U	2.2 U	**0.86 J**	**0.75 J**	**0.64 J**	**0.75 J**	**0.97 J**	2.2 U
Trichlorofluoromethane	6.1	**1.6**	**2.0 J**	**2.8 J**	**3.6**	**1.5 J**	2.2 U	**1.5 J**	**1.2 J**	**1.5 J**	**1.4 J**	**1.5 J**	**1.4 J**	**1.2 J**	**1.0 J**
Trimethylbenzene, 1,2,3-	0.6	**3.9**	2.0 U	4.9 U	2.0 U	2.0 U	2.0 U	2.0 U	**1.2 J**	**5.6**	**9.0**	**8.0**	**12**	**12**	2.0 U
Trimethylbenzene, 1,2,4-	2.5	**1.6**	2.0 U	4.9 U	2.0 U	**1.4 J**	**0.88 J**	2.0 UJ	**0.98 J**	**3.0**	**4.6**	**3.5**	**4.8**	**5.1**	2.0 U
Trimethylbenzene, 1,3,5-	1	**1.2**	2.0 U	4.9 U	2.0 U	2.0 U	**0.59 J**	2.0 U	**1.1 J**	**3.8**	**5.9**	**4.6**	**5.8**	**5.7**	2.0 U
Trimethylpentane, 2,2,4-	2	0.93 U	1.9 U	4.7 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Undecane, n-	2.3	**520 J**	**2.6**	6.4 UJ	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	**54 J**	**100 J**	**93 J**	**200 J**	**320 J**	2.6 U
Vinyl bromide	NE	0.87 U	1.8 U	4.4 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Vinyl chloride	<0.25	0.51 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	1.0 U	1.0 U	1.0 U	1.0 U
Other (%)															
Carbon Dioxide	NE	**3.88**	**5.02**	**4.36**	**7.08**	**11.8**	**10.7**	**2.72**	**2.6**	**2.67**	**2.67**	**2.63**	**2.63**	**2.72**	**2.15**
Helium	NE	0.0171 U	0.0177 U	0.0203 U	0.0166 U	0.0176 U	0.0184 U	0.0166 U	0.0176 U	0.0164 U	0.0177 U	0.0139 U	0.0158 U	**0.069**	**0.057**

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-34 1/14/2010	OU2SG-34 2/23/2010	OU2SG-34 3/19/2010	OU2SG-34 4/19/2010	OU2SG-34 6/30/2010	OU2SG-34 9/20/2010	OU2SG-35A 11/16/2009	OU2SG-35P 11/16/2009	OU2SG-35A 11/17/2009	OU2SG-35P 11/17/2009	OU2SG-35 11/18/2009	OU2SG-35 11/19/2009	Duplicate of: OU2SG-35 11/19/2009	OU2SG-35 11/20/2009
BTEX (ug/m^3)															
Benzene	5.8	0.64 U	**0.45 J**	1.3 U	1.3 U	1.3 U	1.3 U	**3.8**	**0.77 J**	**0.83 J**	**0.70 J**	**0.57 J**	**0.45 J**	**0.45 J**	**0.96 J**
Toluene	21	**0.26 J**	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	**3.3**	**8.8**	**7.6**	**6.2**	**3.6**	**3.0**	**2.9**	**6.0**
Ethylbenzene	1.9	**0.56 J**	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	**3.4**	**240**	**310**	**280**	**160**	**120**	**110**	**180**
Xylene, m,p-	3.1	**1.7**	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	**6.4**	**1100**	**1200**	**1100**	**550**	**380**	**330**	**560**
Xylene, o-	2.5	**1.1**	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	**1.5 J**	**310**	**510**	**500**	**320**	**230**	**200**	**270**
Other VOCs (ug/m^3)															
Acetaldehyde	NE	**1.3 J**	**2.9 J**	9.0 U	**4.3 J**	**8.2 J**	9.0 U	9.0 U	9.0 U	9.0 U	9.0 U	9.0 U	9.0 U	9.0 U	9.0 UJ
Acetone	58	**0.97 J**	**2.0 J**	**2.6 J**	**1.5 J**	**3.5 J**	**7.1 J**	**7.9**	**3.8**	**3.0 J**	**2.8 J**	**2.4 J**	**2.5 J**	**2.7 J**	6.6 U
Acrolein (propenal)	NE	1.2 U	2.3 U	2.3 UJ	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U
Allyl chloride	NE	0.63 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
Benzothiophene	NE	1.1 UJ	2.2 U	2.2 UJ	2.2 U	2.2 U	5.5 U	2.2 UJ	2.2 UJ	2.2 UJ	2.2 UJ	2.2 UJ	2.2 UJ	2.2 UJ	2.2 UJ
Bromodichloromethane	NE	1.3 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
Bromoform	NE	2.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U
Bromomethane	0.9	0.78 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Butadiene, 1,3-	NE	0.44 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U
Butane	NE	**0.67**	**0.86 J**	0.95 U	0.95 U	0.95 U	**6.5**	**0.81 J**	**0.86 J**	**1.2**	0.95 U	**0.48 J**	**0.62 J**	**0.71 J**	**1.8**
Butanone, 2-	17	0.59 U	1.2 U	1.2 UJ	1.2 U	1.2 U	1.2 U	**1.5**	**1.0 J**	**1.0 J**	**1.1 J**	**1.0 J**	1.2 U	**0.94 J**	**4.8**
Carbon disulfide	NE	**0.28 J**	**0.37 J**	1.2 U	**0.68 J**	1.2 U	**0.37 J**	1.2 U	**0.44 J**	**0.62 J**	**0.31 J**	1.2 U	1.2 U	1.2 U	1.2 U
Carbon tetrachloride	1	1.3 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chlorobenzene	<0.25	0.92 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Chloroethane	0.4	0.53 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
Chloroform	0.5	**6.5**	**6.2**	**6.7**	**14**	**7.7**	**3.0**	**4.2**	**4.5**	**4.7**	**4.4**	**4.5**	**4.5**	**4.7**	**4.5**
Chloromethane	4.6	0.41 U	0.83 U	0.83 U	0.83 U	**0.54 J**	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U
Chlorotoluene, 2-	NE	1.0 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	2.1 U	2.1 U	2.1 U	2.1 U
Cryofluorane	1.3	1.4 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U
Cyclohexane	3	0.69 U	1.4 U	1.4 U	1.4 UJ	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
Decane, n-	3.6	**13**	2.3 U	2.3 U	2.3 U	**1.2 J**	2.3 U	**1.7 J**	**200**	**420**	**590**	**700**	**740**	**660**	**1100**
Dibromochloromethane	NE	1.7 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U
Dibromoethane, 1,2-	<0.25	1.5 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Dichlorobenzene, 1,2-	0.9	1.2 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U
Dichlorobenzene, 1,3-	0.7	1.2 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U
Dichlorobenzene, 1,4-	0.8	1.2 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U
Dichlorodifluoromethane	11	**2.3**	**2.8**	**2.4**	**2.4**	**2.8**	**2.4**	**2.9**	**2.7**	**2.8**	**2.3**	**2.8**	**2.4**	**2.7**	**2.7**
Dichloroethane, 1,1-	<0.25	0.81 U	1.6 U	1.6 U	1.6 U	1.6 UJ	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Dichloroethane, 1,2-	<0.25	0.81 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Dichloroethene, 1,1-	<0.25	0.79 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Dichloroethene, cis-1,2-	<0.25	0.79 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Dichloropropane, 1,2-	<0.25	0.92 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Dichloropropene, cis-1,3	<0.25	0.91 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Dichloropropene, trans-1,3	<0.25	0.91 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Dioxane, 1,4-	NE	0.72 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
Dodecane, n-	7.6	**12 J**	**14**	2.8 U	**5.3 J**	**1.2 J**	2.8 U	2.8 U	**5.7**	**9.9**	**18**	**32**	**38 J**	**26 J**	**58 J**
Ethanol	220	**1.0 J**	**1.2 J**	**1.4 J**	3.8 U	3.8 U	**1.5 J**	**13**	**5.9**	**3.7 J**	**5.0**	**2.9 J**	**2.2 J**	**2.1 J**	**3.8**
Ethylthiophene, 2-	NE	0.92 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Ethyltoluene, p-	NE	0.98 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**4.2**	**8.1**	**9.3**	**8.1**	**6.9**	**5.9**	**8.2**
Heptane, n-	5.1	0.82 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	**12**	**11**	**27**	**22**	**13**	**8.8**	**9.0**	**18**
Hexachlorobutadiene	7	2.1 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 UJ	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-34 1/14/2010	OU2SG-34 2/23/2010	OU2SG-34 3/19/2010	OU2SG-34 4/19/2010	OU2SG-34 6/30/2010	OU2SG-34 9/20/2010	OU2SG-35A 11/16/2009	OU2SG-35P 11/16/2009	OU2SG-35A 11/17/2009	OU2SG-35P 11/17/2009	OU2SG-35 11/18/2009	OU2SG-35 11/19/2009	Duplicate of: OU2SG-35 11/19/2009	OU2SG-35 11/20/2009
Hexane, n-	3.6	0.70 U	1.4 U	1.4 U	1.4 UJ	1.4 U	1.4 U	**7.0**	**2.1**	**4.4**	**2.9**	**2.0**	**2.0**	**2.0**	**4.8**
Hexanone, 2-	NE	0.82 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	0.97 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	**1.3 J**	**2.6**	**4.2**	**3.5**	**3.3**	**2.8**	**4.1**
Indene	NE	0.95 U	1.9 U	1.9 U	1.9 U	1.9 UJ	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Isopropyl benzene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	5.9	0.72 U	1.4 U	1.4 UJ	1.4 U	1.4 UJ	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
Methyl-2-pentanone, 4-	2.9	0.82 U	1.6 U	1.6 U	1.6 UJ	3.5 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Methylene chloride	2.9	1.7 U	3.5 U	3.5 U	**0.97 J**	**2.7 J**	6.9 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	**1.2 J**	3.5 U
Methylnaphthalene, 1-	NE	1.2 U	2.3 U	2.3 U	5.8 U	5.8 U	5.8 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U
Methylnaphthalene, 2-	NE	1.2 U	2.3 U	2.3 UJ	5.8 UJ	5.8 U	5.8 U	2.3 UJ	2.3 UJ	2.3 UJ	2.3 UJ	2.3 UJ	2.3 UJ	2.3 UJ	2.3 U
Methylthiophene, 2-	NE	0.80 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Methylthiophene, 3-	NE	0.80 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Naphthalene	10	1.0 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	**0.63 J**	**1.2 J**	**1.0 J**	**0.63 J**	**1.5 J**
Nonane	1.2	**1.7**	2.1 U	**0.63 J**	2.1 U	2.1 U	2.1 U	**9.0**	**320**	**550**	**640**	**530**	**450**	**440**	**800**
Octane, n-	2.1	**0.42 J**	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	**15**	**94**	**180**	**160**	**92**	**71**	**67**	**120**
Pentane	NE	**1.4**	**1.2**	1.2 U	1.2 U	1.2 U	1.2 U	**13**	**9.4**	**16**	**8.1**	**6.7**	**7.5**	**8.6**	**20**
Propanol, 2-	NE	1.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	**4.0**	**1.6 J**	**1.2 J**	**1.2 J**	**1.1 J**	**0.84 J**	**0.74 J**	**1.7 J**
Propylbenzene, n-	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.6	0.85 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	**0.68 J**	**0.77 J**	**0.77 J**	**0.51 J**	1.7 U	1.7 U	**0.68 J**
t-Butyl alcohol	NE	**0.33 J**	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	**0.48 J**	1.2 U	**0.97 J**	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Tetrachloroethane, 1,1,2,2-	<0.25	1.4 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
Tetrachloroethene	1.6	1.4 U	2.7 U	2.7 U	2.7 U	**0.94 J**	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	1.1 U	2.2 U	2.2 UJ	2.2 U	2.2 U	2.2 U	2.2 UJ	2.2 UJ	2.2 UJ	**1.5 J**	**2.5 J**	**2.3 J**	**1.9 J**	**2.8 J**
Thiophene	NE	0.69 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
Trans-1,2-dichloroethene	NE	0.79 U	1.6 U	1.6 U	1.6 U	1.6 UJ	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	1.5 U	3.1 U	3.1 U	3.1 U	**0.93 J**	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Trichlorobenzene, 1,2,4-	4.8	1.5 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Trichloroethane, 1,1,1-	0.7	1.1 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
Trichloroethane, 1,1,2-	<0.25	1.1 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
Trichloroethene	0.5	1.1 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	**0.86 J**	**0.97 J**	**0.75 J**	2.2 U	2.2 U	2.2 U	**0.97 J**
Trichlorofluoromethane	6.1	**1.1 J**	**1.4 J**	**1.4 J**	**1.8 J**	**1.6 J**	**1.4 J**	**1.6 J**	**1.5 J**	**1.5 J**	**1.2 J**	**1.4 J**	**1.2 J**	**1.4 J**	**1.5 J**
Trimethylbenzene, 1,2,3-	0.6	0.98 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**5.2**	**12**	**16**	**18**	**17**	**14**	**20**
Trimethylbenzene, 1,2,4-	2.5	0.98 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ	**7.3**	**15**	**17**	**15**	**13**	**11**	**16**
Trimethylbenzene, 1,3,5-	1	0.98 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**4.6**	**10**	**12**	**11**	**9.4**	**8.2**	**11**
Trimethylpentane, 2,2,4-	2	0.93 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	**5.2**	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Undecane, n-	2.3	**24 J**	**32**	2.6 U	**3.3 J**	**2.2 J**	2.6 U	2.6 U	**60 J**	**140 J**	**250 J**	**410 J**	**440 J**	**330 J**	**700 J**
Vinyl bromide	NE	0.87 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Vinyl chloride	<0.25	0.51 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
Other (%)															
Carbon Dioxide	NE	**1.67**	**1.43**	**1.63**	**2.67**	**3.02**	**1.72**	**3.34**	**3.33**	**3.36**	**3.06**	**3.39**	**3.22**	**3.35**	**3.46**
Helium	NE	**0.383**	0.0173 U	0.018 U	0.0176 U	**0.033**	0.0177 U	0.0146 U	0.0168 U	0.014 U	0.0146 U	0.0146 U	0.017 U	0.0172 U	**0.034**

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-35 12/18/2009	OU2SG-35 1/14/2010	OU2SG-35 2/23/2010	OU2SG-35 3/19/2010	OU2SG-35 4/19/2010	OU2SG-35 6/30/2010	OU2SG-35 9/20/2010	OU2SG-38 12/30/2008	OU2SG-38A 1/20/2009	OU2SG-38P 1/20/2009	OU2SG-38A 1/21/2009	OU2SG-38P 1/21/2009	OU2SG-38 1/22/2009	OU2SG-38 1/23/2009
BTEX (ug/m^3)															
Benzene	5.8	1.3 U	0.64 U	**0.32 J**	1.3 U	1.3 U	1.3 U	1.3 U	0.64 U	**0.53 J**	0.64 U	0.64 U	0.64 U	0.64 U	**0.20 J**
Toluene	21	1.5 U	**0.56 J**	1.5 U	1.5 U	1.5 U	**0.66 J**	**0.45 J**	**0.78**	**1.6**	**0.49 J**	**0.63 J**	**0.85**	**0.64 J**	**1.2**
Ethylbenzene	1.9	**1.9**	**4.6**	**1.1 J**	**4.4**	**1.5 J**	**6.2**	1.7 U	**0.24 J**	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	**0.28 J**
Xylene, m,p-	3.1	**6.0**	**16**	**4.8**	**18**	**5.3**	**26**	**1.8 J**	**0.80 J**	**0.56 J**	**0.35 J**	**0.39 J**	**0.46 J**	**0.43 J**	**0.85 J**
Xylene, o-	2.5	**2.5**	**4.6**	**1.6 J**	**6.0**	**2.0**	**12**	**0.87 J**	**0.30 J**	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	**0.32 J**
Other VOCs (ug/m^3)															
Acetaldehyde	NE	3.6 U	**2.0 J**	9.0 U	9.0 U	**5.4 J**	**13 J**	**15**	**4.0 J**	1.8 UJ	1.8 UJ	3.2 U	1.8 UJ	1.8 UJ	**2.2 J**
Acetone	58	4.8 U	**1.4 J**	**1.9 J**	**3.4 J**	**2.1 J**	**14**	**9.2 J**	1.7 U	5.3 U	1.6 U	1.2 U	1.2 UJ	1.2 UJ	1.2 UJ
Acrolein (propenal)	NE	2.3 U	1.2 U	2.3 U	2.3 UJ	2.3 U	2.3 U	2.3 U	0.46 U	**0.13 J**	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U
Allyl chloride	NE	1.2 U	0.63 U	1.2 U	1.2 U	1.2 U	1.2 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
Benzothiophene	NE	2.2 U	1.1 UJ	2.2 U	2.2 UJ	2.2 U	2.2 U	5.5 U	1.1 UJ	1.1 U	1.1 U	1.1 U	1.1 U	1.1 UJ	1.1 UJ
Bromodichloromethane	NE	2.7 U	1.3 U	2.7 U	2.7 U	2.7 U	2.7 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
Bromoform	NE	4.1 U	2.1 U	4.1 U	4.1 U	4.1 U	4.1 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
Bromomethane	0.9	1.6 U	0.78 U	1.6 U	1.6 U	1.6 U	1.6 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
Butadiene, 1,3-	NE	0.88 U	0.44 U	0.88 U	0.88 U	0.88 U	0.88 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
Butane	NE	**0.71 J**	**0.31 J**	0.95 U	0.95 U	0.95 U	**2.1**	**0.95**	0.48 U	**4.7**	**0.62**	**1.7**	**2.5**	**1.3**	**0.60**
Butanone, 2-	17	1.2 U	0.59 U	1.2 U	**0.88 J**	1.2 U	**1.3**	**1.4**	0.59 U	**1.2**	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U
Carbon disulfide	NE	1.2 U	0.62 U	1.2 U	1.2 U	**0.62 J**	1.2 U	**5.0**	**0.16 J**	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U
Carbon tetrachloride	1	2.5 U	1.3 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	**0.54 J**
Chlorobenzene	<0.25	1.8 U	0.92 U	1.8 U	1.8 U	1.8 U	1.8 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
Chloroethane	0.4	1.0 U	0.53 U	1.0 U	1.0 U	1.0 U	1.0 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
Chloroform	0.5	**2.5**	**1.6**	**1.8 J**	**2.0**	**3.6**	**5.7**	**3.9**	**0.86 J**	**0.40 J**	**0.59 J**	**0.54 J**	**0.51 J**	**0.67 J**	**0.74 J**
Chloromethane	4.6	.82 U	**0.14 J**	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	**0.19 J**	**0.44**	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U
Chlorotoluene, 2-	NE	2.1 U	1.0 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Cryofluorane	1.3	2.8 U	1.4 U	2.8 U	2.8 U	2.8 U	2.8 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
Cyclohexane	3	1.4 U	0.69 U	1.4 U	1.4 U	1.4 UJ	1.4 U	1.4 U	0.69 U	0.69 U	0.69 U	**2.1**	**3.3**	**2.2**	**1.2**
Decane, n-	3.6	**56**	**100**	**28**	**120**	**22**	**210**	**2.3**	**1.2**	**0.54 J**	**0.73 J**	**0.60 J**	**0.79 J**	1.2 U	**0.36 J**
Dibromochloromethane	NE	3.4 U	1.7 U	3.4 U	3.4 U	3.4 U	3.4 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
Dibromoethane, 1,2-	<0.25	3.1 U	1.5 U	3.1 U	3.1 U	3.1 U	3.1 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
Dichlorobenzene, 1,2-	0.9	2.4 U	1.2 U	2.4 U	2.4 U	2.4 U	2.4 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
Dichlorobenzene, 1,3-	0.7	2.4 U	1.2 U	2.4 U	2.4 U	2.4 U	2.4 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
Dichlorobenzene, 1,4-	0.8	2.4 U	1.2 U	2.4 U	2.4 U	2.4 U	2.4 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
Dichlorodifluoromethane	11	**2.4**	**2.4**	**2.8**	**2.2**	**3.0**	**2.8**	**2.5**	**2.9**	**3.0**	**3**	**3.2**	**2.8**	**3.0**	**2.1**
Dichloroethane, 1,1-	<0.25	1.6 U	0.81 U	1.6 U	1.6 U	1.6 U	1.6 UJ	1.6 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	1.6 U	0.81 U	1.6 U	1.6 U	1.6 U	1.6 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
Dichloroethene, 1,1-	<0.25	1.6 U	0.79 U	1.6 U	1.6 U	1.6 U	1.6 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
Dichloroethene, cis-1,2-	<0.25	1.6 U	0.79 U	1.6 U	1.6 U	1.6 U	1.6 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
Dichloropropane, 1,2-	<0.25	1.8 U	0.92 U	1.8 U	1.8 U	1.8 U	1.8 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
Dichloropropene, cis-1,3	<0.25	1.8 U	0.91 U	1.8 U	1.8 U	1.8 U	1.8 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
Dichloropropene, trans-1,3	<0.25	1.8 U	0.91 U	1.8 U	1.8 U	1.8 U	1.8 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
Dioxane, 1,4-	NE	1.4 U	0.72 U	1.4 U	1.4 U	1.4 U	1.4 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
Dodecane, n-	7.6	**13 J**	**11 J**	**17**	2.8 UJ	**60 J**	**290**	**3.2**	**1.6 J**	1.4 U	**2.4**	1.4 U	**0.81 J**	1.4 U	**0.74 J**
Ethanol	220	3.8 U	**1.8 J**	**1.8 J**	**1.8 J**	**1.2 J**	**4.2**	**2.6 J**	**7.2**	**6.6**	**3.3**	**2.9**	**5.0**	**2.1**	**1.7 J**
Ethylthiophene, 2-	NE	1.8 U	0.92 U	1.8 U	1.8 U	1.8 U	1.8 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
Ethyltoluene, p-	NE	2.0 U	0.98 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 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	1.6 U	0.82 U	1.6 U	**0.41 J**	1.6 U	**1.4 J**	1.6 U	0.82 U	**0.46 J**	0.82 U	**0.34 J**	**1.4**	0.82 U	0.82 U
Hexachlorobutadiene	7	4.3 U	2.1 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	2.1 U	2.1 UJ	2.1 UJ	2.1 U	2.1 U	2.1 U	2.1 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-35 12/18/2009	OU2SG-35 1/14/2010	OU2SG-35 2/23/2010	OU2SG-35 3/19/2010	OU2SG-35 4/19/2010	OU2SG-35 6/30/2010	OU2SG-35 9/20/2010	OU2SG-38 12/30/2008	OU2SG-38A 1/20/2009	OU2SG-38P 1/20/2009	OU2SG-38A 1/21/2009	OU2SG-38P 1/21/2009	OU2SG-38 1/22/2009	OU2SG-38 1/23/2009
Hexane, n-	3.6	1.4 U	0.70 U	1.4 U	1.4 U	1.4 UJ	**1.3 J**	1.4 U	0.70 U	**1.1**	**0.18 J**	**2.7**	**5.1**	**1.8**	**0.71 J**
Hexanone, 2-	NE	1.6 U	0.82 U	1.6 U	1.6 U	1.6 U	**1.6 J**	1.6 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	1.9 U	0.97 U	1.9 U	1.9 U	1.9 U	1.9 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
Indene	NE	1.9 UJ	0.95 U	1.9 U	1.9 U	1.9 U	1.9 UJ	1.9 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	NA
Methyl tert-butyl ether	5.9	1.4 U	0.72 U	1.4 U	1.4 UJ	1.4 U	1.4 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
Methyl-2-pentanone, 4-	2.9	1.6 U	0.82 U	1.6 U	1.6 U	1.6 UJ	1.6 U	1.6 U	**0.72 J**	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Methylene chloride	2.9	3.5 U	1.7 U	**0.90 J**	3.5 U	3.5 U	6.9 U	6.9 U	1.7 U	0.82 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Methylnaphthalene, 1-	NE	2.3 U	1.2 U	2.3 U	2.3 U	5.8 U	5.8 U	5.8 U	R	5.8 UJ	5.8 UJ	5.8 U	5.8 U	5.8 U	5.8 U
Methylnaphthalene, 2-	NE	2.3 U	1.2 U	2.3 U	**0.81 J**	5.8 UJ	5.8 U	5.8 U	14 UJ	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U
Methylthiophene, 2-	NE	1.6 U	0.80 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 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	1.6 U	0.80 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.80 U	0.80 U	0.8 U	0.80 U	0.80 U	0.80 U	0.80 U
Naphthalene	10	2.1 U	1.0 U	2.1 U	2.0 U	2.1 U	**1.4 J**	2.1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Nonane	1.2	**6.7**	**22**	**3.6**	**21**	**3.2**	**33**	**1.7 J**	**0.37 J**	1.0 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Octane, n-	2.1	**1.0 J**	**4.2**	1.9 U	**3.3**	**0.84 J**	**10**	**0.56 J**	**0.28 J**	**0.55 J**	**0.37 J**	0.93 U	0.93 U	0.93 U	0.93 U
Pentane	NE	**1.5**	**0.62**	1.2 U	**0.71 J**	1.2 U	**1.8**	1.2 U	0.59 U	**3.1**	0.59 U	**2.6**	**3.3**	**1.6**	**0.66**
Propanol, 2-	NE	2.4 U	**0.54 J**	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.88 UJ	1.2 U	1.2 U	1.2 U	**2.5**	1.2 U	**1.4**
Propylbenzene, n-	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.6	1.7 U	0.85 U	1.7 U	1.7 U	1.7 U	1.7 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
t-Butyl alcohol	NE	**1.2 J**	**0.27 J**	1.2 U	1.2 U	1.2 U	**0.45 J**	1.2 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-	<0.25	2.7 U	1.4 U	2.7 U	2.7 U	2.7 U	2.7 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
Tetrachloroethene	1.6	2.7 U	1.4 U	2.7 U	2.7 U	2.7 U	**0.89 J**	**0.95 J**	**0.89 J**	**0.73 J**	**1.1 J**	**1.0 J**	**0.86 J**	**1.0 J**	**0.94 J**
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	2.2 U	1.1 U	2.2 U	2.2 UJ	2.2 U	2.2 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
Thiophene	NE	1.4 U	0.69 U	1.4 U	1.4 U	1.4 U	1.4 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
Trans-1,2-dichloroethene	NE	1.6 U	0.79 U	1.6 U	1.6 U	1.6 U	1.6 UJ	1.6 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	3.1 U	1.5 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	**0.64 J**	**0.58 J**	**0.55 J**	**0.48 J**	**0.53 J**	**0.41 J**	1.5 U
Trichlorobenzene, 1,2,4-	4.8	3.0 U	1.5 U	**2.8 J**	3.0 U	3.0 U	3.0 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
Trichloroethane, 1,1,1-	0.7	2.2 U	1.1 U	2.2 U	2.2 U	2.2 U	2.2 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
Trichloroethane, 1,1,2-	<0.25	2.2 U	1.1 U	2.2 U	2.2 U	2.2 U	2.2 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
Trichloroethene	0.5	2.2 U	1.1 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	1.1 U	**2.2**	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichlorofluoromethane	6.1	**1.0 J**	**1.1 J**	**1.5 J**	**1.5 J**	**2.0 J**	**1.5 J**	**1.5 J**	**2.5**	**1.8**	**1.9**	**1.9**	**1.8**	**1.9**	**1.3**
Trimethylbenzene, 1,2,3-	0.6	2.0 U	**0.83 J**	2.0 U	2.0 U	2.0 U	**2.0**	2.0 U	**0.48 J**	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Trimethylbenzene, 1,2,4-	2.5	2.0 U	**0.59 J**	2.0 U	**0.98 J**	2.0 U	**1.6 J**	2.0 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-	1	2.0 U	0.98 U	2.0 U	2.0 U	2.0 U	**0.59 J**	2.0 U	**0.27 J**	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Trimethylpentane, 2,2,4-	2	1.9 U	0.93 U	1.9 U	1.9 U	1.9 U	1.9 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
Undecane, n-	2.3	2.6 U	**130 J**	**73**	2.6 UJ	**100 J**	**410 J**	**4.6**	**0.51 J**	**0.33 J**	**1.1 J**	1.3 U	**2.9**	1.3 U	**0.62 J**
Vinyl bromide	NE	1.8 U	0.87 U	1.8 U	1.8 U	1.8 U	1.8 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
Vinyl chloride	<0.25	1.0 U	0.51 U	1.0 U	1.0 U	1.0 U	1.0 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
Other (%)															
Carbon Dioxide	NE	**3.91**	**2.49**	**2.38**	**2.99**	**4.89**	**3.71**	**2.76**	NA	NA	NA	NA	NA	NA	NA
Helium	NE	**0.027**	0.0155 U	0.0171 U	0.018 U	0.0175 U	**0.025**	0.0189 U	**0.0188**	**0.014**	**0.015**	**0.015**	**0.03**	**0.0168**	**0.0157**

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	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	OU2SG-38 10/19/2009
BTEX (ug/m^3)															
Benzene	5.8	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	1.6 U
Toluene	21	**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	1.9 U
Ethylbenzene	1.9	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	0.87 U	4.3 U	2.2 U	2.2 U
Xylene, m,p-	3.1	**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	4.3 U
Xylene, o-	2.5	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	2.2 U
Other VOCs (ug/m^3)															
Acetaldehyde	NE	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	4.5 U
Acetone	58	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	4.5 U
Acrolein (propenal)	NE	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	2.9 U
Allyl chloride	NE	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	1.6 U
Benzothiophene	NE	1.1 UJ	1.1 UJ	1.1 U	1.1 U	5.5 U	6.9 U	2.7 U	14 UJ	1.1 U	1.1 U	1.1 UJ	5.5 UJ	2.7 U	2.7 U
Bromodichloromethane	NE	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	3.4 U
Bromoform	NE	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	5.2 U
Bromomethane	0.9	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	1.9 U
Butadiene, 1,3-	NE	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	1.1 U
Butane	NE	**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	1.2 U
Butanone, 2-	17	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	1.5 U
Carbon disulfide	NE	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	1.6 U
Carbon tetrachloride	1	**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	3.1 U
Chlorobenzene	<0.25	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	2.3 U
Chloroethane	0.4	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	1.3 U
Chloroform	0.5	**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	2.4 U
Chloromethane	4.6	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	1.0 U
Chlorotoluene, 2-	NE	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	2.6 U
Cryofluorane	1.3	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	3.5 U
Cyclohexane	3	**6.6**	**9.3**	**56**	**99**	**150**	**130**	**61**	**12**	**2.5**	0.69 U	0.69 U	3.4 U	1.7 U	1.7 U
Decane, n-	3.6	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	2.9 U
Dibromochloromethane	NE	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	4.3 U
Dibromoethane, 1,2-	<0.25	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	3.8 U
Dichlorobenzene, 1,2-	0.9	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	3.0 U
Dichlorobenzene, 1,3-	0.7	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	3.0 U
Dichlorobenzene, 1,4-	0.8	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	3.0 U
Dichlorodifluoromethane	11	**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**	**0.62 J**
Dichloroethane, 1,1-	<0.25	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	2.0 U
Dichloroethane, 1,2-	<0.25	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	2.0 U
Dichloroethene, 1,1-	<0.25	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	2.0 U
Dichloroethene, cis-1,2-	<0.25	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	2.0 U
Dichloropropane, 1,2-	<0.25	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	2.3 U
Dichloropropene, cis-1,3	<0.25	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	2.3 U
Dichloropropene, trans-1,3	<0.25	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	2.3 U
Dioxane, 1,4-	NE	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	1.8 U
Dodecane, n-	7.6	**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	3.5 U
Ethanol	220	**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**	**1.4 J**
Ethylthiophene, 2-	NE	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	2.3 U
Ethyltoluene, p-	NE	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	2.5 U
Heptane, n-	5.1	**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	2.0 U
Hexachlorobutadiene	7	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	5.3 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	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	OU2SG-38 10/19/2009
Hexane, n-	3.6	**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	1.8 U
Hexanone, 2-	NE	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	2.0 U
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	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	2.4 U
Indene	NE	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	2.4 U
Isopropyl benzene	0.4	NA	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 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	1.8 U
Methyl-2-pentanone, 4-	2.9	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	2.0 U
Methylene chloride	2.9	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	4.3 U
Methylnaphthalene, 1-	NE	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	2.9 U
Methylnaphthalene, 2-	NE	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	2.9 U
Methylthiophene, 2-	NE	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	2.0 U
Methylthiophene, 3-	NE	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	2.0 U
Naphthalene	10	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	2.6 U
Nonane	1.2	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	2.6 U
Octane, n-	2.1	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	2.3 U
Pentane	NE	**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	1.5 U
Propanol, 2-	NE	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	3.0 U
Propylbenzene, n-	0.5	NA	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	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	2.1 U
t-Butyl alcohol	NE	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	1.5 U
Tetrachloroethane, 1,1,2,2-	<0.25	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	3.4 U
Tetrachloroethene	1.6	**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**	**7.6**
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	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	2.7 U
Thiophene	NE	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	1.7 U
Trans-1,2-dichloroethene	NE	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	2.0 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	**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	3.8 U
Trichlorobenzene, 1,2,4-	4.8	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	3.7 U
Trichloroethane, 1,1,1-	0.7	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**	**3.8**
Trichloroethane, 1,1,2-	<0.25	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	2.7 U
Trichloroethene	0.5	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	2.7 U
Trichlorofluoromethane	6.1	**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**	2.8 U
Trimethylbenzene, 1,2,3-	0.6	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	2.5 U
Trimethylbenzene, 1,2,4-	2.5	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	2.5 U
Trimethylbenzene, 1,3,5-	1	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	2.5 U
Trimethylpentane, 2,2,4-	2	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	2.3 U
Undecane, n-	2.3	**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	3.2 U
Vinyl bromide	NE	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	2.2 U
Vinyl chloride	<0.25	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	1.3 U
Other (%)															
Carbon Dioxide	NE	NA	NA	NA	NA	NA	NA	NA	**2.9**	**3.88**	**4.5**	**6.54**	**6.41**	**5.09**	**4.72**
Helium	NE	**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	0.00304 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-38 11/18/2009	OU2SG-38 12/28/2009	OU2SG-38 1/20/2010	OU2SG-38 2/18/2010	OU2SG-38 3/18/2010	OU2SG-38 4/8/2010	OU2SG-38 6/7/2010	OU2SG-38 9/22/2010	Duplicate of: OU2SG-38 9/22/2010	OU2SG-39 12/30/2008	OU2SG-39A 1/20/2009	OU2SG-39P 1/20/2009	OU2SG-39A 1/21/2009	OU2SG-39P 1/21/2009
BTEX (ug/m^3)															
Benzene	5.8	1.3 U	**0.77 J**	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	**0.45 J**	**0.21 J**	3.2 U	3.2 U	1.3 U	1.3 U
Toluene	21	1.5 U	**3.6**	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	**1.6**	**7.3**	**2.2 J**	**1.4 J**	**0.65 J**	
Ethylbenzene	1.9	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	**0.80 J**	**22**	**10**	**4.4**	**2.0**	
Xylene, m,p-	3.1	3.5 U	**0.87 J**	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	**4.0**	**130**	**62**	**27**	**12**	
Xylene, o-	2.5	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	**1.6**	**66**	**40**	**17**	**9.3**	
Other VOCs (ug/m^3)															
Acetaldehyde	NE	9.0 U	9.0 U	9.0 U	9.0 U	9.0 U	9.0 U	**8.0 J**	9.0 U	9.0 U	**4.2 J**	9.0 UJ	9 UJ	6.3 U	3.6 UJ
Acetone	58	**1.3 J**	3.6 UJ	4.8 U	3.6 UJ	**2.0 J**	**1.8 J**	**2.8 J**	**4.8 JB**	**5.0 JB**	2.7 U	6.8 U	7 U	3.8 U	2.6 U
Acrolein (propenal)	NE	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	0.46 U	2.3 U	2.3 U	0.92 U	0.92 U
Allyl chloride	NE	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	0.63 U	3.1 U	3.1 U	1.2 U	1.2 U
Benzothiophene	NE	2.2 UJ	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	5.5 U	5.5 U	5.5 U	1.1 UJ	5.5 U	5.5 U	2.2 U	2.2 U
Bromodichloromethane	NE	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	1.3 U	6.7 U	6.7 U	2.7 U	2.7 U
Bromoform	NE	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	2.1 U	10 U	10 U	4.1 U	4.1 U
Bromomethane	0.9	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.78 U	3.9 U	3.9 U	1.6 U	1.6 U
Butadiene, 1,3-	NE	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.44 U	2.2 U	2.2 U	0.88 U	0.88 U
Butane	NE	0.95 U	**1.4**	**0.62 J**	**1.2**	**0.29 J**	0.95 U	0.95 U	0.95 U	0.95 U	**0.90**	2.4 U	2.4 U	**0.76 J**	0.95 U
Butanone, 2-	17	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	**0.43 J**	3.0 U	3 U	**1.4**	**1.2**
Carbon disulfide	NE	**0.44 J**	**0.56 J**	1.2 U	**0.31 J**	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	**0.58 J**	3.1 U	3.1 U	1.2 U	1.2 U
Carbon tetrachloride	1	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1.3 U	6.3 U	6.3 U	2.5 U	2.5 U
Chlorobenzene	<0.25	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.92 U	4.6 U	4.6 U	1.8 U	1.8 U
Chloroethane	0.4	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	0.53 U	2.6 U	2.6 U	1.0 U	1.0 U
Chloroform	0.5	**0.68 J**	**0.78 J**	2.0 U	2.0 U	**0.78 J**	**0.59 J**	**2.5**	**44**	**43**	**41**	**15**	**14**	**13**	**15**
Chloromethane	4.6	0.83 U	**0.50 J**	**0.25 J**	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	**0.29 J**	2.1 U	2.1 U	0.83 U	0.83 U
Chlorotoluene, 2-	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	1.0 U	5.2 U	5.2 U	2.1 U	2.1 U
Cryofluorane	1.3	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	1.4 U	7.0 U	7 U	2.8 U	2.8 U
Cyclohexane	3	1.4 U	**1.6 J**	1.4 U	**0.89 J**	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.69 U	3.4 U	3.4 U	1.4 U	1.4 U
Decane, n-	3.6	2.3 U	**54**	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	**8.4**	**1200**	**1300**	**920**	**900**
Dibromochloromethane	NE	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	1.7 U	8.5 U	8.5 U	3.4 U	3.4 U
Dibromoethane, 1,2-	<0.25	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	1.5 U	7.7 U	7.7 U	3.1 U	3.1 U
Dichlorobenzene, 1,2-	0.9	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	1.2 U	6.0 U	6 U	2.4 U	2.4 U
Dichlorobenzene, 1,3-	0.7	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	1.2 U	6.0 U	6 U	2.4 U	2.4 U
Dichlorobenzene, 1,4-	0.8	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	1.2 U	6.0 U	6 U	2.4 U	2.4 U
Dichlorodifluoromethane	11	**0.89 J**	**1.2 J**	**0.59 J**	**0.69 J**	**1.2 J**	**0.89 J**	**0.92 J**	**0.89 J**	**0.99 J**	**5.1**	**5.1**	**5.4**	**4.7**	**4.8**
Dichloroethane, 1,1-	<0.25	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 UJ	1.6 U	1.6 U	0.81 U	4.0 U	4 U	1.6 U	1.6 U
Dichloroethane, 1,2-	<0.25	1.6 U	1.6 U	1.6 U	1.6 U	1.6 UJ	1.6 U	1.6 U	1.6 U	1.6 U	0.81 U	4.0 U	4 U	1.6 U	1.6 U
Dichloroethene, 1,1-	<0.25	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.79 U	4.0 U	4 U	1.6 U	1.6 U
Dichloroethene, cis-1,2-	<0.25	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.79 U	4.0 U	4 U	1.6 U	1.6 U
Dichloropropane, 1,2-	<0.25	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.92 U	4.6 U	4.6 U	1.8 U	1.8 U
Dichloropropene, cis-1,3	<0.25	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.91 U	4.5 U	4.5 U	1.8 U	1.8 U
Dichloropropene, trans-1,3	<0.25	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.91 U	4.5 U	4.5 U	1.8 U	1.8 U
Dioxane, 1,4-	NE	1.4 U	1.4 UJ	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.72 U	3.6 U	3.6 U	1.4 U	1.4 U
Dodecane, n-	7.6	2.8 U	**28**	**1.5 J**	2.8 U	2.8 U	**3.9 J**	**1.1 J**	2.8 U	**0.70 J**	**4.8 J**	**200 J**	**480**	**250**	**430**
Ethanol	220	3.8 U	**5.0**	**1.1 J**	3.8 U	**1.2 J**	**1.4 J**	**0.97 J**	**1.9 J**	**1.7 J**	**11**	9.4 U	9.4 U	**1.9 J**	**1.1 J**
Ethylthiophene, 2-	NE	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.92 U	4.6 U	4.6 U	1.8 U	1.8 U
Ethyltoluene, p-	NE	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**0.99**	**110**	**88**	**54**	**40**
Heptane, n-	5.1	1.6 U	**1.9**	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.82 U	**2.0 J**	4.1 U	1.6 U	1.6 U
Hexachlorobutadiene	7	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	2.1 U	11 UJ	11 UJ	4.3 U	4.3 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-38 11/18/2009	OU2SG-38 12/28/2009	OU2SG-38 1/20/2010	OU2SG-38 2/18/2010	OU2SG-38 3/18/2010	OU2SG-38 4/8/2010	OU2SG-38 6/7/2010	OU2SG-38 9/22/2010	Duplicate of: OU2SG-38 9/22/2010	OU2SG-39 12/30/2008	OU2SG-39A 1/20/2009	OU2SG-39P 1/20/2009	OU2SG-39A 1/21/2009	OU2SG-39P 1/21/2009
Hexane, n-	3.6	1.4 U	**0.85 J**	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.70 U	3.5 U	3.5 U	1.4 U	1.4 U
Hexanone, 2-	NE	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.82 U	4.1 U	4.1 U	1.6 U	1.6 U
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	**0.78 J**	**150**	**150**	**110**	**98**
Indene	NE	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	0.95 U	4.8 U	4.8 U	1.9 U	1.9 U
Isopropyl benzene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	5.9	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	0.72 U	3.6 U	3.6 U	1.4 U	1.4 U
Methyl-2-pentanone, 4-	2.9	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	**1.0**	4.1 U	4.1 U	1.6 U	1.6 U
Methylene chloride	2.9	3.5 U	3.4 U	3.5 U	3.5 U	3.5 U	**0.97 J**	**1.0 J**	6.9 U	**6.4 J**	1.7 U	3.4 U	3.4 U	1.4 U	1.4 U
Methylnaphthalene, 1-	NE	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	5.8 UJ	5.8 U	5.8 U	5.8 U	R	**5.4 J**	**32 J**	**21 J**	**37 J**
Methylnaphthalene, 2-	NE	2.3 UJ	2.3 U	2.3 U	2.3 U	2.3 U	5.8 UJ	5.8 U	5.8 U	5.8 U	14 UJ	**12 J**	**66 J**	**45 J**	**80 J**
Methylthiophene, 2-	NE	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.80 U	4.0 U	4 U	1.6 U	1.6 U
Methylthiophene, 3-	NE	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.80 U	4.0 U	4 U	1.6 U	1.6 U
Naphthalene	10	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	1.0 UJ	**14**	**29**	**21**	**27**
Nonane	1.2	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	**4.4**	**390**	**280**	**130**	**86**
Octane, n-	2.1	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	**1.3**	**38**	**15**	**5.4**	**1.8 J**
Pentane	NE	1.2 U	**2200**	**0.47 J**	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.59 U	3.0 U	3 U	1.2 U	1.2 U
Propanol, 2-	NE	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.49 U	6.1 U	6.1 U	2.5 U	2.5 U
Propylbenzene, n-	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.6	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	0.85 U	4.3 U	4.3 U	1.7 U	1.7 U
t-Butyl alcohol	NE	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	0.61 U	3.0 U	3 U	1.2 U	1.2 U
Tetrachloroethane, 1,1,2,2-	<0.25	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	1.4 U	6.9 U	6.9 U	2.7 U	2.7 U
Tetrachloroethene	1.6	**7.4**	**2.0 J**	**2.6 J**	**3.2**	**4.6**	**6.1**	**15**	**13**	**12**	**0.45 J**	6.8 U	6.8 U	2.7 U	2.7 U
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	2.2 UJ	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	**1.2**	**380 J**	**550 J**	**440 J**	**510 J**
Thiophene	NE	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	0.69 U	3.4 U	3.4 U	1.4 U	1.4 U
Trans-1,2-dichloroethene	NE	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.79 U	4.0 U	4 U	1.6 U	1.6 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	**1.0 J**	7.7 U	7.7 U	3.1 U	3.1 U
Trichlorobenzene, 1,2,4-	4.8	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	1.5 UJ	7.4 U	7.4 U	3.0 U	3.0 U
Trichloroethane, 1,1,1-	0.7	**2.4**	**1.4 J**	**1.1 J**	**1.2 J**	**0.76 J**	**0.98 J**	**1.9 J**	**2.1 J**	**1.7 J**	1.1 U	5.4 U	5.4 U	2.2 U	2.2 U
Trichloroethane, 1,1,2-	<0.25	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	1.1 U	5.4 U	5.4 U	2.2 U	2.2 U
Trichloroethene	0.5	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	**0.64 JB**	**0.64 JB**	1.1 U	5.4 U	5.4 U	2.2 U	2.2 U
Trichlorofluoromethane	6.1	**0.90 J**	**0.79 J**	2.2 U	2.2 U	**0.56 J**	**0.67 J**	**0.83 J**	**0.90 J**	**0.79 J**	**11**	**6.5**	**7.2**	**6.4**	**7.0**
Trimethylbenzene, 1,2,3-	0.6	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**5.0**	**290**	**300**	**210**	**200**
Trimethylbenzene, 1,2,4-	2.5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**1.6 J**	**720**	**690**	**460**	**380**
Trimethylbenzene, 1,3,5-	1	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**1.8**	**180**	**160**	**96**	**75**
Trimethylpentane, 2,2,4-	2	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	0.93 U	4.7 U	4.7 U	1.9 U	1.9 U
Undecane, n-	2.3	2.6 U	**95**	2.6 U	2.6 U	2.6 U	**1.2 J**	2.6 U	2.6 U	2.6 U	**4.7**	**990**	**1500**	**1200**	**1600**
Vinyl bromide	NE	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.87 U	4.4 U	4.4 U	1.8 U	1.8 U
Vinyl chloride	<0.25	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	0.51 U	2.6 U	2.6 U	1.0 U	1.0 U
Other (%)															
Carbon Dioxide	NE	**3.8**	**2.2**	**2.51**	**2.8**	**1.82**	**2.41**	**5.86**	**4.53**	NA	NA	NA	NA	NA	NA
Helium	NE	0.0173 U	0.0131 U	0.015 U	0.0171 U	0.0181 U	0.0178 U	0.0187 U	0.0187 U	0.0182 U	**0.0196**	**0.0139**	**0.0148**	**0.0156**	**0.0165**

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	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	OU2SG-39 8/26/2009
BTEX (ug/m^3)															
Benzene	5.8	**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**	3.2 U
Toluene	21	**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**	3.8 U
Ethylbenzene	1.9	**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**	**1.1 J**
Xylene, m,p-	3.1	**18**	**33**	**26**	**26**	**30**	**25**	**5.6**	**4.0 J**	**65**	**25**	**6.9**	**11**	**1.5 J**	**2.8 J**
Xylene, o-	2.5	**10**	**17**	**15**	**15**	**17**	**15**	**3.9**	**2.4 J**	**34**	**23**	**6.1**	**8.4**	**0.87**	**2.0 J**
Other VOCs (ug/m^3)															
Acetaldehyde	NE	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**	26 U
Acetone	58	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	16 UJ
Acrolein (propenal)	NE	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**	5.7 U
Allyl chloride	NE	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	3.1 U
Benzothiophene	NE	2.2 UJ	5.5 UJ	5.5 UJ	5.5 UJ	5.5 U	2.7 U	2.7 U	14 U	2.7 U	14 UJ	1.1 U	1.1 U	1.1 UJ	5.5 UJ
Bromodichloromethane	NE	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	6.7 U
Bromoform	NE	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	10 U
Bromomethane	0.9	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	3.9 U
Butadiene, 1,3-	NE	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	2.2 U
Butane	NE	**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**	**2.0 J**
Butanone, 2-	17	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**	3.0 U
Carbon disulfide	NE	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	3.1 U
Carbon tetrachloride	1	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	6.3 U
Chlorobenzene	<0.25	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	4.6 U
Chloroethane	0.4	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	2.6 U
Chloroform	0.5	**14**	**12**	**11**	**11**	**11**	**10**	**9.8**	**10**	**11**	**13**	**13**	**7.4**	**6.9**	**5.8**
Chloromethane	4.6	**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**	**0.52 J**
Chlorotoluene, 2-	NE	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	5.2 U
Cryofluorane	1.3	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	7.0 U
Cyclohexane	3	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**	3.4 U
Decane, n-	3.6	**760**	**570**	**430**	**380**	**390**	**330**	**230**	**66**	**270**	**200**	1.2 U	1.2 U	1.2 UJ	**20 J**
Dibromochloromethane	NE	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	8.5 U
Dibromoethane, 1,2-	<0.25	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	7.7 U
Dichlorobenzene, 1,2-	0.9	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	6.0 U
Dichlorobenzene, 1,3-	0.7	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	6.0 U
Dichlorobenzene, 1,4-	0.8	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	6.0 U
Dichlorodifluoromethane	11	**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**	**3.2 J**
Dichloroethane, 1,1-	<0.25	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	4.0 U
Dichloroethane, 1,2-	<0.25	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	4.0 U
Dichloroethene, 1,1-	<0.25	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	4.0 U
Dichloroethene, cis-1,2-	<0.25	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	4.0 U
Dichloropropane, 1,2-	<0.25	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	4.6 U
Dichloropropene, cis-1,3	<0.25	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	4.5 U
Dichloropropene, trans-1,3	<0.25	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	4.5 U
Dioxane, 1,4-	NE	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	3.6 U
Dodecane, n-	7.6	**320**	**480**	**270**	**290**	**500**	**230 J**	**510 J**	**280**	**300 J**	**130**	1.4 UJ	1.4 U	1.4 UJ	7.0 UJ
Ethanol	220	**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**	9.4 UJ
Ethylthiophene, 2-	NE	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	4.6 U
Ethyltoluene, p-	NE	**32**	**32**	**28**	**27**	**29**	**27**	**12**	**4.4 J**	**38**	**80**	**6.9**	**14**	0.98 U	4.9 U
Heptane, n-	5.1	**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**	**3.7 J**
Hexachlorobutadiene	7	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	11 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	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	OU2SG-39 8/26/2009
Hexane, n-	3.6	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**	**5.1**
Hexanone, 2-	NE	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	4.1 U
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	**80**	**67**	**52**	**50**	**53**	**52**	**34**	**11**	**49**	**29**	**5.8**	**19**	0.97 U	**2.7 J**
Indene	NE	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	4.8 U
Isopropyl benzene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	5.9	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	3.6 U
Methyl-2-pentanone, 4-	2.9	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	4.1 UJ
Methylene chloride	2.9	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	8.7 U
Methylnaphthalene, 1-	NE	**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	5.8 UJ
Methylnaphthalene, 2-	NE	**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	5.8 UJ
Methylthiophene, 2-	NE	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	4.0 U
Methylthiophene, 3-	NE	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	4.0 U
Naphthalene	10	**25**	**27**	**18**	**18**	**17**	**12**	**16**	**6.4**	1.0 UJ	1.0 UJ	1.0 U	**4.8**	1.0 U	5.2 UJ
Nonane	1.2	**74**	**86**	**68**	**68**	**76**	**74**	**23**	**7.8**	**96**	**75**	1.0 U	**2.3**	**8.5**	**13**
Octane, n-	2.1	**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**	**5.1**
Pentane	NE	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**	**6.5**
Propanol, 2-	NE	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	6.1 U
Propylbenzene, n-	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.6	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**	4.3 U
t-Butyl alcohol	NE	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	3.0 U
Tetrachloroethane, 1,1,2,2-	<0.25	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	6.9 U
Tetrachloroethene	1.6	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**	**2.7 J**
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	**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**	**21 J**
Thiophene	NE	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	3.4 U
Trans-1,2-dichloroethene	NE	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	4.0 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	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**	7.7 U
Trichlorobenzene, 1,2,4-	4.8	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	7.4 U
Trichloroethane, 1,1,1-	0.7	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	5.4 U
Trichloroethane, 1,1,2-	<0.25	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	5.4 U
Trichloroethene	0.5	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	5.4 U
Trichlorofluoromethane	6.1	**6.9**	**7.1**	**6.5**	**6.6**	**7.0**	**5.4**	**7.2**	**6.8**	**7.6**	**11**	**19**	**18**	**61**	**72**
Trimethylbenzene, 1,2,3-	0.6	**160**	**130**	**100**	**94**	**100**	**94**	**55**	**23**	**100**	**160**	**16**	**42**	**0.64 J**	**3.9 J**
Trimethylbenzene, 1,2,4-	2.5	**300**	**250**	**210**	**190**	**210**	**200**	**100**	**38**	**220**	**56**	**11**	**21**	**1.1**	**5.2**
Trimethylbenzene, 1,3,5-	1	**60**	**60**	**50**	**46**	**53**	**46**	**20**	**9.1**	**64**	**93**	**10**	**15**	0.98 U	**2.2 J**
Trimethylpentane, 2,2,4-	2	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	4.7 U
Undecane, n-	2.3	**1500**	**1300**	**980**	**810**	**870**	**600**	**850**	**270**	**430**	**220**	1.3 UJ	1.3 UJ	1.3 UJ	6.4 UJ
Vinyl bromide	NE	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	4.4 U
Vinyl chloride	<0.25	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	2.6 U
Other (%)															
Carbon Dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	**3.16**	**6.16**	**8.67**	**14.3**	**15.5**
Helium	NE	**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	0.0186 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-39 9/23/2009	OU2SG-39 10/19/2009	OU2SG-39 11/18/2009	OU2SG-39 12/28/2009	OU2SG-39 1/20/2010	OU2SG-39 2/18/2010	OU2SG-39 3/18/2010	OU2SG-39 4/8/2010	OU2SG-39 6/7/2010	OU2SG-39 9/22/2010	OU3SG-01 9/20/2007	OU3SG-01 12/19/2007	OU3SG-01 4/3/2008	OU3SG-01 6/19/2008
BTEX (ug/m^3)															
Benzene	5.8	1.6 U	1.6 U	1.3 U	**0.77 J**	**1.0 J**	**0.57 J**	1.3 U	1.3 U	1.3 U	1.3 U	**0.50 J**	**0.89**	**0.88**	**0.70 J**
Toluene	21	**1.2 J**	1.9 U	**0.83 J**	1.5 U	**1.4 J**	**0.60 J**	1.5 U	1.5 U	1.5 U	**0.53 J**	**3.8**	**49**	**360**	**790**
Ethylbenzene	1.9	2.2 U	2.2 U	1.7 U	1.7 U	**3.5**	**0.52 J**	1.7 U	1.7 U	1.7 U	1.7 U	1.9 U	**4.2**	**3.1**	**14**
Xylene, m,p-	3.1	**1.1 J**	4.3 U	**1.0 J**	3.5 U	**6.5**	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	**0.58 J**	**16**	**7.7**	**35**
Xylene, o-	2.5	2.2 U	2.2 U	**0.52 J**	1.7 U	**10**	**2.5**	1.7 U	**0.43 J**	1.7 U	1.7 U	**0.67 J**	**6.5**	**3.7**	**19**
Other VOCs (ug/m^3)															
Acetaldehyde	NE	6.4 U	4.5 U	9.0 U	9.0 U	9.0 U	9.0 U	**4.9 J**	**6.9 J**	**5.6 J**	**7.2 J**	**21**	1.8 U	4.5 U	**3.1 J**
Acetone	58	3.0 U	4.5 U	**5.3**	3.6 U	**2.0 J**	**1.8 J**	**1.8 J**	**1.4 J**	**2.4 J**	**7.6 JB**	**7.0**	2.8 U	1.9 U	**1.8**
Acrolein (propenal)	NE	2.9 U	2.9 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	1.0 U	0.46 U	1.2 U	0.46 U
Allyl chloride	NE	1.6 U	1.6 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	1.4 U	0.63 UJ	0.63 U	0.63 U
Benzothiophene	NE	2.7 U	2.7 U	2.2 UJ	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	5.5 U	5.5 U	2.4 U	1.1 UJ	1.1 UJ	1.1 UJ
Bromodichloromethane	NE	3.4 U	3.4 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	3.0 U	1.3 U	1.3 U	1.3 U
Bromoform	NE	5.2 U	5.2 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.6 U	2.1 U	2.1 U	2.1 U
Bromomethane	0.9	1.9 U	1.9 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.7 U	0.78 U	0.78 U	0.78 U
Butadiene, 1,3-	NE	1.1 U	1.1 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.98 U	0.44 U	0.44 U	0.44 U
Butane	NE	**1.7**	**2.0**	**2.9**	**3.0**	**0.71 J**	0.95 U	**0.48 J**	0.95 U	**0.50 J**	0.95 U	1.0 U	**2.9**	0.48 U	**0.14 J**
Butanone, 2-	17	1.5 U	1.5 U	**2.1**	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	**0.57 J**	**0.71 J**	**1.8**	**0.62**	**0.38 J**	0.59 U
Carbon disulfide	NE	1.6 U	1.6 U	**2.6**	**1.7**	**1.2 J**	**1.0 J**	1.2 U	1.2 U	1.3 U	**5.8**	**3.0**	**1.5**	**8.5**	**82**
Carbon tetrachloride	1	3.1 U	3.1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.8 U	1.3 U	1.3 U	1.3 U
Chlorobenzene	<0.25	2.3 U	2.3 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	2.0 U	0.92 U	0.92 U	0.92 U
Chloroethane	0.4	1.3 U	1.3 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	1.2 U	0.53 U	0.53 U	0.53 U
Chloroform	0.5	**2.2 J**	**0.85 J**	**0.78 J**	2.0 U	2.0 U	2.0 U	2.0 U	**0.68 J**	**1.5 J**	**1.7 J**	**3.7**	**0.54 J**	**0.64 J**	**2.5**
Chloromethane	4.6	1.0 U	1.0 U	0.83 U	0.83 U	**0.37 J**	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.92 U	0.41 U	**0.15 J**	**0.12 J**
Chlorotoluene, 2-	NE	2.6 U	2.6 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	2.3 U	1.0 U	1.0 U	1.0 U
Cryofluorane	1.3	3.5 U	3.5 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	3.1 U	1.4 U	1.4 U	1.4 U
Cyclohexane	3	1.7 U	1.7 U	1.4 U	**1.2 J**	**0.55 J**	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	**1.8**	**0.21 J**	**70**	**270**
Decane, n-	3.6	2.9 U	2.9 U	2.3 U	2.3 U	**420**	**82**	2.3 UJ	2.3 UJ	2.3 U	2.3 U	2.6 U	**1.9**	1.2 U	1.2 U
Dibromochloromethane	NE	4.3 U	4.3 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.8 U	1.7 U	1.7 U	1.7 U
Dibromoethane, 1,2-	<0.25	3.8 U	3.8 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.4 U	1.5 U	1.5 U	1.5 U
Dichlorobenzene, 1,2-	0.9	3.0 U	3.0 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.7 U	1.2 U	1.2 U	**0.42 J**
Dichlorobenzene, 1,3-	0.7	3.0 U	3.0 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.7 U	**0.84 J**	**0.56 J**	**2.3**
Dichlorobenzene, 1,4-	0.8	3.0 U	3.0 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.7 U	**0.72 J**	**0.46 J**	**2.5**
Dichlorodifluoromethane	11	**2.6**	**2.0 J**	**2.3**	**2.2**	**1.3 J**	**1.8 J**	**1.8 J**	**2.2**	**2.3**	**2.2**	**2.7**	**2.8**	**2.2**	**2.5**
Dichloroethane, 1,1-	<0.25	2.0 U	2.0 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.8 U	0.81 U	0.81 U	0.81 U
Dichloroethane, 1,2-	<0.25	2.0 U	2.0 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 UJ	1.6 U	1.6 U	1.6 U	1.8 U	0.81 U	0.81 U	0.81 U
Dichloroethene, 1,1-	<0.25	2.0 U	2.0 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.8 U	0.79 U	0.79 U	0.79 U
Dichloroethene, cis-1,2-	<0.25	2.0 U	2.0 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.8 U	0.79 U	0.79 U	0.79 U
Dichloropropane, 1,2-	<0.25	2.3 U	2.3 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	2.0 U	0.92 U	0.92 U	0.92 U
Dichloropropene, cis-1,3	<0.25	2.3 U	2.3 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	2.0 U	0.91 U	0.91 U	0.91 U
Dichloropropene, trans-1,3	<0.25	2.3 U	2.3 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	2.0 U	0.91 U	0.91 U	0.91 U
Dioxane, 1,4-	NE	1.8 U	1.8 U	1.4 U	1.4 UJ	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.6 U	1.8 U	0.72 U	0.72 U
Dodecane, n-	7.6	3.5 U	3.5 U	2.8 U	2.8 U	**66 J**	**38 J**	2.8 UJ	2.8 UJ	2.8 UJ	**0.84 J**	**1.8 J**	**1.2 J**	**0.62 J**	**1.0 J**
Ethanol	220	**3.2 J**	4.7 U	**2.4 J**	3.8 U	**0.98 J**	**6.9**	**2.0 J**	**2.3 J**	**2.4 J**	**2.7 J**	**6.6**	**21**	**3.5 J**	**3.1**
Ethylthiophene, 2-	NE	2.3 U	2.3 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	2.0 U	0.92 U	0.92 U	0.92 U
Ethyltoluene, p-	NE	2.5 U	2.5 U	2.0 U	2.0 U	**36**	**15**	**3.6**	2.0 U	2.0 U	2.0 U	2.2 U	**2.6**	**0.97 J**	**4.1**
Heptane, n-	5.1	2.0 U	2.0 U	1.6 U	1.6 U	**4.2**	**2.3**	1.6 U	1.6 U	1.6 U	1.6 U	1.8 U	**13 J**	0.82 UJ	**0.53 J**
Hexachlorobutadiene	7	5.3 U	5.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.7 U	2.1 U	2.1 U	2.1 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2SG-39 9/23/2009	OU2SG-39 10/19/2009	OU2SG-39 11/18/2009	OU2SG-39 12/28/2009	OU2SG-39 1/20/2010	OU2SG-39 2/18/2010	OU2SG-39 3/18/2010	OU2SG-39 4/8/2010	OU2SG-39 6/7/2010	OU2SG-39 9/22/2010	OU3SG-01 9/20/2007	OU3SG-01 12/19/2007	OU3SG-01 4/3/2008	OU3SG-01 6/19/2008
Hexane, n-	3.6	**1.1 J**	**0.79 J**	**2.2**	1.4 U	**1.8**	**1.1 J**	**0.56 J**	1.4 U	1.4 U	1.4 U	**2.1**	**0.56 J**	**2.1**	**37 J**
Hexanone, 2-	NE	2.0 U	2.0 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.8 U	0.82 U	0.82 U	0.82 U
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	2.4 U	2.4 U	1.9 U	**2.1**	**22**	**4.4**	1.9 U	1.9 U	1.9 U	1.9 U	2.1 U	**1.7**	**0.68 J**	**3.2**
Indene	NE	2.4 U	2.4 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	2.1 U	0.95 U	0.95 U	**0.43 J**
Isopropyl benzene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	5.9	1.8 U	1.8 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	1.6 U	0.72 U	0.72 U	0.72 UJ
Methyl-2-pentanone, 4-	2.9	2.0 U	2.0 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.8 U	0.82 U	0.82 U	0.82 U
Methylene chloride	2.9	4.3 U	4.3 U	3.5 U	3.4 U	3.5 U	3.5 U	3.5 U	3.5 U	**2.1 J**	**2.4 J**	**2.5**	0.69 U	1.7 U	1.7 U
Methylnaphthalene, 1-	NE	2.9 U	2.9 U	**1.6 J**	2.3 U	2.3 U	2.3 U	2.3 U	5.8 UJ	5.8 U	5.8 U	2.6 U	14 UJ	1.2 UJ	**0.35 J**
Methylnaphthalene, 2-	NE	2.9 U	2.9 U	**2.2 J**	2.3 U	2.3 U	2.3 U	2.3 U	5.8 UJ	5.8 U	5.8 U	2.6 U	14 UJ	1.2 UJ	**0.64 J**
Methylthiophene, 2-	NE	2.0 U	2.0 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.8 U	0.80 U	0.80 U	0.80 U
Methylthiophene, 3-	NE	2.0 U	2.0 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.8 U	0.80 U	0.80 U	0.80 U
Naphthalene	10	2.6 U	2.6 U	**2.5**	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.3 U	**0.42 J**	**0.30 J**	**3.6**
Nonane	1.2	**1.3 J**	2.6 U	**0.63 J**	2.1 U	**180**	**56**	2.1 U	2.1 U	2.1 U	2.1 U	2.3 U	**1.7**	1.0 U	1.0 U
Octane, n-	2.1	2.3 U	2.3 U	1.9 U	1.9 U	**20**	**12**	1.9 U	1.9 U	1.9 U	1.9 U	2.1 U	**1.3**	0.93 U	**0.23 J**
Pentane	NE	**2.0**	**2.1**	**2.6**	**2.9**	**1.8**	**1.1 J**	**0.88 J**	1.2 U	1.2 U	**0.65 J**	**0.52 J**	**0.83**	**0.44 J**	**0.41 J**
Propanol, 2-	NE	3.0 U	3.0 U	2.5 U	2.5 UJ	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	**1.6**	**1.6 J**	**0.61 J**	**0.44 J**
Propylbenzene, n-	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.6	2.1 U	2.1 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	1.9 U	**0.26 J**	**0.41 J**	**1.9**
t-Butyl alcohol	NE	1.5 U	1.5 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**	**0.45 J**	0.61 U	0.61 U
Tetrachloroethane, 1,1,2,2-	<0.25	3.4 U	3.4 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	3.0 U	1.4 U	1.4 U	1.4 U
Tetrachloroethene	1.6	**1.2 J**	3.4 U	2.7 U	2.7 U	2.7 U	2.7 U	**0.81 J**	**0.95 J**	**1.9 J**	**3.1**	**0.90 J**	**0.81 J**	**1.2 J**	**4.2**
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	2.7 UJ	2.7 U	2.2 UJ	**28 J**	**58**	**30 J**	**90**	2.2 U	**0.99 J**	2.2 U	2.4 U	**0.77 J**	**0.94 J**	**16 J**
Thiophene	NE	1.7 U	1.7 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	1.5 U	0.69 U	0.69 U	0.69 U
Trans-1,2-dichloroethene	NE	2.0 U	2.0 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.8 U	0.79 U	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	**0.96 J**	3.8 U	**0.92 J**	**0.77 J**	3.1 U	3.1 U	3.1 U	**1.1 J**	**1.3 J**	**1.2 J**	3.4 U	1.5 U	**0.76 J**	**0.61 J**
Trichlorobenzene, 1,2,4-	4.8	3.7 U	3.7 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.3 U	1.5 U	1.5 U	1.5 U
Trichloroethane, 1,1,1-	0.7	2.7 U	2.7 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 UJ	2.2 U	2.2 U	2.2 U	**1.1 J**	1.1 U	1.1 U	1.1 U
Trichloroethane, 1,1,2-	<0.25	2.7 U	2.7 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.4 U	1.1 U	1.1 U	1.1 U
Trichloroethene	0.5	2.7 U	2.7 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	**2.4**	2.4 U	1.1 U	1.1 U	1.1 U
Trichlorofluoromethane	6.1	**53**	**36**	**34**	**20**	**15**	**18**	**20**	**29**	**44**	**33**	**1.5 J**	1.2 U	**1.3**	**1.6**
Trimethylbenzene, 1,2,3-	0.6	2.5 U	2.5 U	2.0 U	**12**	**68**	**21**	**6.5**	**5.2**	**0.59 J**	2.0 U	**0.65 J**	**2.6**	**3.4**	**12**
Trimethylbenzene, 1,2,4-	2.5	2.5 U	2.5 U	**0.59 J**	2.0 U	**60**	**2.6**	2.0 U	**1.3 J**	2.0 U	2.0 U	**0.98 J**	**9.5**	**0.48 J**	**0.84 J**
Trimethylbenzene, 1,3,5-	1	2.5 U	2.5 U	2.0 U	**5.7**	**42**	**16**	**0.59 J**	**1.3 J**	2.0 U	2.0 U	2.2 U	**2.7**	**1.1**	**5.9**
Trimethylpentane, 2,2,4-	2	2.3 U	2.3 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	2.1 U	0.93 U	0.93 UJ	0.93 U
Undecane, n-	2.3	3.2 U	3.2 U	2.6 U	2.6 U	**270**	**66 J**	2.6 UJ	2.6 UJ	2.6 U	2.6 U	**1.4 J**	**1.3**	1.3 U	1.3 U
Vinyl bromide	NE	2.2 U	2.2 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.9 U	0.87 U	0.87 U	0.87 U
Vinyl chloride	<0.25	1.3 U	1.3 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	1.1 U	0.51 U	0.51 U	0.51 U
Other (%)															
Carbon Dioxide	NE	**10.8**	**7.68**	**5.7**	**3.49**	**2.96**	**2.51**	**3.07**	**5.8**	**11.2**	**8.36**	NA	NA	NA	NA
Helium	NE	0.0156 U	0.00346 U	0.0151 U	0.0166 U	0.0164 U	0.0152 U	0.0182 U	0.0179 U	0.0202 U	0.0174 U	NA	NA	NA	0.018 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU3SG-01 9/17/2008	OU3SG-01 12/30/2008	OU3SG-01 3/12/2009	OU3SG-01 6/17/2009	OU3SG-01 9/25/2009	OU3SG-01 12/29/2009	OU3SG-01 3/31/2010	Duplicate of: OU3SG-01 3/31/2010	OU3SG-01 6/29/2010	OU3SG-01 9/9/2010	OU4SV-1 3/23/2009	Duplicate of OU4SV-1 3/23/2009	OU4SV-1 4/27/2009	OU4SV-1 4/28/2009
BTEX (ug/m^3)															
Benzene	5.8	**0.19 J**	0.64 U	**0.38 J**	0.64 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	0.64 U	0.64 U	**0.19 J**	NA
Toluene	21	**120**	**87**	**76**	**62**	**46**	**6.7**	**26**	**24**	**22**	**12**	**0.30 J**	**0.34 J**	**3.0**	NA
Ethylbenzene	1.9	**4.1**	**1.2**	**1.3**	**1.3**	**0.78 J**	1.7 U	**0.61 J**	**0.52 J**	**0.69 J**	1.7 U	0.87 U	0.87 U	**0.60 J**	NA
Xylene, m,p-	3.1	**21**	**2.8**	**2.5**	**1.0 J**	**1.2 J**	3.5 U	**1.3 J**	**1.2 J**	**1.9 J**	**1.0 J**	1.7 U	1.7 U	**0.89 J**	NA
Xylene, o-	2.5	**27**	**3.7**	**2.5**	**7.9**	**1.7**	1.7 U	**0.78 J**	**0.69 J**	**0.92 J**	**0.52 J**	0.87 U	0.87 U	**0.60 J**	NA
Other VOCs (ug/m^3)															
Acetaldehyde	NE	**3.0 J**	**2.4 J**	**6.3 J**	4.5 U	**4.6 J**	9.0 U	**5.3 J**	**35 J**	**28 J**	**20**	3.8 U	3.6 U	**9.1 J**	NA
Acetone	58	**1.6**	1.2 U	5.6 U	2.1 U	5.1 UJ	3.6 U	**1.6 J**	**11**	**11**	11.8 U	1.8 U	1.8 U	**4.0**	NA
Acrolein (propenal)	NE	0.46 U	0.46 U	**0.82**	**0.32 J**	2.3 U	2.3 U	2.3 U	**0.73 J**	2.3 U	**0.78 J**	0.46 U	0.46 U	0.46 U	NA
Allyl chloride	NE	0.63 U	0.63 U	0.63 U	0.63 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.63 U	0.63 U	0.63 U	NA
Benzothiophene	NE	1.1 U	**0.73 J**	1.1 U	1.1 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	5.5 U	2.7 U	2.7 U	14 UJ	NA
Bromodichloromethane	NE	1.3 U	1.3 U	1.3 U	1.3 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	1.3 U	1.3 U	1.3 U	NA
Bromoform	NE	2.1 U	2.1 U	2.1 U	2.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	2.1 U	2.1 U	2.1 U	NA
Bromomethane	0.9	0.78 U	0.78 U	0.78 U	0.78 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.78 U	0.78 U	0.78 U	NA
Butadiene, 1,3-	NE	0.44 U	0.44 U	0.44 U	0.44 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.44 U	0.44 U	0.44 U	NA
Butane	NE	0.48 U	0.48 U	**0.57**	0.48 U	**0.76 J**	0.95 U	**0.52 J**	**0.52 J**	0.95 U	**1.0**	0.48 U	0.48 U	**0.33 J**	NA
Butanone, 2-	17	**0.50 J**	0.59 U	**3.0**	0.59 U	1.2 U	1.2 U	1.2 UJ	**2.4 J**	**1.0 J**	**1.5**	0.59 U	0.59 U	**0.57 J**	NA
Carbon disulfide	NE	**88**	**32**	**7.3**	**88**	**97**	**6.0**	**11**	**11**	**120**	**30**	0.62 U	0.62 U	**29**	NA
Carbon tetrachloride	1	1.3 U	1.3 U	1.3 U	1.3 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1.3 U	1.3 U	1.3 U	NA
Chlorobenzene	<0.25	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.92 U	0.92 U	0.92 U	NA
Chloroethane	0.4	0.53 U	0.53 U	0.53 U	0.53 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.53 U	0.53 U	0.53 U	NA
Chloroform	0.5	**4.2**	**0.67 J**	**0.40 J**	**1.6**	**1.5 J**	2.0 U	2.0 U	2.0 U	**1.7 J**	**1.3 J**	**1.1**	**1.2**	**3.0**	NA
Chloromethane	4.6	0.41 U	**0.15 J**	**0.22 J**	0.41 U	0.82 U	0.83 U	0.83 U	0.83 U	**0.44 J**	0.83 U	0.41 U	0.41 U	**0.17 J**	NA
Chlorotoluene, 2-	NE	1.0 U	1.0 U	1.0 U	1.0 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	1.0 U	1.0 U	1.0 U	NA
Cryofluorane	1.3	1.4 U	1.4 U	1.4 U	1.4 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	1.4 U	1.4 U	1.4 U	NA
Cyclohexane	3	**190**	**70**	**36**	**76**	**73**	**9.9**	**18**	**16**	**27 J**	**7.1**	0.69 U	0.69 U	**0.19 J**	NA
Decane, n-	3.6	1.2 UJ	1.2 U	**0.66 J**	**0.34 J**	2.3 U	2.3 U	2.3 U	2.3 U	**0.87 J**	2.3 U	1.2 U	1.2 U	1.2 U	NA
Dibromochloromethane	NE	1.7 U	1.7 U	1.7 U	1.7 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	1.7 U	1.7 U	1.7 U	NA
Dibromoethane, 1,2-	<0.25	1.5 U	1.5 U	1.5 U	1.5 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	1.5 U	1.5 U	1.5 U	NA
Dichlorobenzene, 1,2-	0.9	**0.48 J**	1.2 U	1.2 U	**0.32 J**	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	1.2 U	1.2 U	1.2 U	NA
Dichlorobenzene, 1,3-	0.7	**1.3**	1.2 U	1.2 U	**0.64 J**	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	1.2 U	1.2 U	1.2 U	NA
Dichlorobenzene, 1,4-	0.8	**1.5**	1.2 U	1.2 U	**0.80 J**	2.4 U	2.4 U	2.4 U	2.4 U	**0.93 J**	2.4 U	1.2 U	1.2 U	1.2 U	NA
Dichlorodifluoromethane	11	**2.6**	**2.2**	**2.2**	**1.0**	**3.4**	**2.2**	**2.4**	**2.4**	**3.8**	**2.4**	**2.5**	**2.5**	**2.6**	NA
Dichloroethane, 1,1-	<0.25	0.81 U	0.81 U	0.81 U	0.81 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 UJ	**0.49 J**	0.81 U	0.81 U	0.81 U	NA
Dichloroethane, 1,2-	<0.25	0.81 U	0.81 U	0.81 U	0.81 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.81 UJ	0.81 UJ	0.81 U	NA
Dichloroethene, 1,1-	<0.25	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.79 U	0.79 U	0.79 U	NA
Dichloroethene, cis-1,2-	<0.25	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.79 U	0.79 U	0.79 U	NA
Dichloropropane, 1,2-	<0.25	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.92 U	0.92 U	0.92 U	NA
Dichloropropene, cis-1,3	<0.25	0.91 U	0.91 U	0.91 U	0.91 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.91 U	0.91 U	0.91 U	NA
Dichloropropene, trans-1,3	<0.25	0.91 U	0.91 U	0.91 U	0.91 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.91 U	0.91 U	0.91 U	NA
Dioxane, 1,4-	NE	0.72 U	0.72 U	0.72 U	0.72 UJ	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.72 U	0.72 U	0.72 U	NA
Dodecane, n-	7.6	**2.5**	**0.62 J**	**1.8 J**	**1.4**	2.8 UJ	2.8 UJ	2.8 U	2.8 U	**1.2 J**	2.8 U	**0.49 J**	**0.84 J**	**2.3 J**	NA
Ethanol	220	**3.4**	**3.6**	**4.0**	5.3 U	4.9 U	3.8 U	**0.98 J**	**1.6 J**	**7.2**	**3.4 J**	**1.3 J**	**1.9 J**	**4.0**	NA
Ethylthiophene, 2-	NE	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.92 U	0.92 U	0.92 U	NA
Ethyltoluene, p-	NE	**3.1**	**0.52 J**	**0.35 J**	**0.86 J**	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.98 U	0.98 U	0.98 U	NA
Heptane, n-	5.1	**1.6**	**0.53 J**	**0.66 J**	**0.45 J**	**1.2 J**	1.6 U	1.6 U	1.6 U	**2.7**	1.6 U	**0.29 J**	**0.29 J**	0.82 U	NA
Hexachlorobutadiene	7	2.1 U	2.1 U	2.1 U	2.1 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	2.1 U	2.1 U	2.1 U	NA

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU3SG-01 9/17/2008	OU3SG-01 12/30/2008	OU3SG-01 3/12/2009	OU3SG-01 6/17/2009	OU3SG-01 9/25/2009	OU3SG-01 12/29/2009	OU3SG-01 3/31/2010	Duplicate of: OU3SG-01 3/31/2010	OU3SG-01 6/29/2010	OU3SG-01 9/9/2010	OU4SV-1 3/23/2009	Duplicate of OU4SV-1 3/23/2009	OU4SV-1 4/27/2009	OU4SV-1 4/28/2009
Hexane, n-	3.6	**36**	**15**	**6.7**	**14**	**8.4**	**1.6**	**2.5**	**2.5**	**1.8**	**0.85 J**	0.70 U	0.70 U	0.70 U	NA
Hexanone, 2-	NE	0.82 U	0.82 U	0.82 U	0.82 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	2.0 U	2.0 U	0.82 U	NA
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.94 U
Indan	NE	**1.9**	**0.77 J**	0.97 U	**0.55 J**	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	0.97 U	0.97 U	**0.27 J**	NA
Indene	NE	0.95 U	**0.44 J**	0.95 U	0.95 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 UJ	1.9 U	0.95 U	0.95 U	0.95 U	NA
Isopropyl benzene	0.4	NA	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 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 UJ	1.4 U	0.72 U	0.72 U	0.72 U	NA
Methyl-2-pentanone, 4-	2.9	0.82 U	0.82 U	0.82 U	0.82 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.82 U	0.82 U	0.82 U	NA
Methylene chloride	2.9	2.1 U	1.7 U	1.7 U	1.7 U	3.4 U	3.5 U	3.5 U	3.5 U	**5.2 J**	**3.6**	1.7 U	1.7 U	1.7 U	NA
Methylnaphthalene, 1-	NE	**1.4**	**13 J**	1.2 U	1.2 U	2.3 UJ	2.3 U	5.8 U	5.8 U	5.8 U	5.8 UJ	2.9 UJ	2.9 UJ	14 UJ	NA
Methylnaphthalene, 2-	NE	**1.6**	**17 J**	1.2 U	**0.43 J**	2.3 U	2.3 U	5.8 U	5.8 U	5.8 U	5.8 U	2.9 UJ	2.9 UJ	14 UJ	NA
Methylthiophene, 2-	NE	0.80 U	0.80 U	0.80 U	0.80 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.80 U	0.80 U	0.80 U	NA
Methylthiophene, 3-	NE	0.80 U	0.80 U	0.80 U	0.80 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.80 U	0.80 U	0.80 U	NA
Naphthalene	10	**3.4**	**5.6 J**	**0.28 J**	**0.61 J**	2.1 U	2.1 U	2.1 U	2.1 U	**1.5 J**	2.1 U	1.0 U	1.0 U	**3.8 J**	NA
Nonane	1.2	1.0 U	1.0 U	1.0 U	1.0 U	2.1 U	2.1 U	2.1 U	2.1 U	**1.3 J**	2.1 U	1.0 U	1.0 U	1.0 U	NA
Octane, n-	2.1	**0.70 J**	0.93 U	0.93 U	0.93 U	1.9 U	1.9 U	1.9 U	1.9 U	**2.5**	1.9 U	0.93 U	0.93 U	0.93 U	NA
Pentane	NE	0.59 U	0.59 U	**2.0**	0.59 U	**2.0**	1.2 U	1.2 U	1.2 U	1.2 U	**0.59 J**	0.59 U	0.59 U	**0.39 J**	NA
Propanol, 2-	NE	0.49 U	0.48 UJ	1.2 U	1.2 U	**1.9 J**	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1.2 UJ	1.2 UJ	0.49 UJ	NA
Propylbenzene, n-	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.6	**0.72 J**	**0.37 J**	**0.27 J**	**0.56 J**	**0.85 J**	1.7 U	**0.60 J**	1.7 U	**2.0**	**0.60 J**	0.85 U	0.85 U	**0.23 J**	NA
t-Butyl alcohol	NE	0.61 U	**0.49 J**	**0.62 J**	**0.91**	**2.7**	1.2 U	1.2 U	1.2 U	**1.1 J**	**1.2**	0.61 U	0.61 U	**0.29 J**	NA
Tetrachloroethane, 1,1,2,2-	<0.25	1.4 U	1.4 U	1.4 U	1.4 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	1.4 U	1.4 U	1.4 U	NA
Tetrachloroethene	1.6	**5.2**	**1.0 J**	**0.78 J**	2.8 U	**1.8 J**	2.7 U	**0.81 J**	**0.95 J**	**3.0**	**0.81 J**	**6.2**	**6.7**	**19**	NA
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	**14**	**2.2**	**1.2**	**3.3 J**	**1.9 J**	2.2 U	**0.88 J**	2.2 U	**1.0 J**	2.2 U	2.7 U	2.7 U	5.5 U	NA
Thiophene	NE	0.69 U	0.69 U	0.69 U	0.69 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.69 U	0.69 U	0.69 U	NA
Trans-1,2-dichloroethene	NE	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 UJ	1.6 U	0.79 U	0.79 U	0.79 U	NA
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	**0.46 J**	**0.77 J**	**0.60 J**	1.5 U	**0.77 J**	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	**0.46 J**	**0.46 J**	**0.66 J**	NA
Trichlorobenzene, 1,2,4-	4.8	1.5 U	1.5 U	1.5 U	1.5 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	1.5 U	1.5 U	**1.2 J**	NA
Trichloroethane, 1,1,1-	0.7	**1.0 J**	1.1 U	1.1 U	**0.39 J**	**0.98 J**	2.2 U	2.2 U	2.2 U	2.2 U	**0.76 J**	**0.27 J**	**0.33 J**	**0.55 J**	NA
Trichloroethane, 1,1,2-	<0.25	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	1.1 U	1.1 U	1.1 U	NA
Trichloroethene	0.5	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	**0.38 J**	**0.43 J**	**1.5**	NA
Trichlorofluoromethane	6.1	**1.3**	**1.4**	**1.3**	**0.95 J**	**1.7 J**	**0.90 J**	**1.5 J**	**1.4 J**	**2.0 J**	**1.2 J**	**7.3**	**7.7**	**40**	NA
Trimethylbenzene, 1,2,3-	0.6	**5.1**	**2.0**	**0.56 J**	**1.7**	**0.59 J**	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.98 U	0.98 U	**0.53 J**	NA
Trimethylbenzene, 1,2,4-	2.5	**5.9**	**0.63 J**	0.98 U	**0.32 J**	2.0 U	2.0 U	2.0 U	2.0 U	**0.73 J**	**0.49 J**	0.98 U	0.98 U	**1.1**	NA
Trimethylbenzene, 1,3,5-	1	**2.0**	**1.2**	**0.56 J**	**0.64 J**	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.98 U	0.98 U	0.98 U	NA
Trimethylpentane, 2,2,4-	2	0.93 U	0.93 U	0.93 U	0.93 UJ	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	0.93 U	0.93 U	0.93 U	NA
Undecane, n-	2.3	1.3 UJ	**0.40 J**	**1.2 J**	1.3 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	**0.32 J**	**0.57 J**	**1.6**	NA
Vinyl bromide	NE	0.87 U	0.87 U	0.87 U	0.87 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.87 U	0.87 U	0.87 U	NA
Vinyl chloride	<0.25	0.51 U	0.51 U	0.51 U	0.51 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.51 U	0.51 U	0.51 U	NA
Other (%)															
Carbon Dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NE	**0.027**	**0.0188**	**0.048**	**0.074**	**0.142**	0.0151 U	**0.032**	**0.032**	**0.03**	0.0153 U	**0.048**	**0.047**	**0.022**	NA

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU4SV-1 4/29/2009	OU4SV-1 4/30/2009	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
BTEX (ug/m^3)																	
Benzene	5.8	0.64 U	0.64 U	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**
Toluene	21	**2.0**	**0.79**	**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**
Ethylbenzene	1.9	**0.39 J**	0.87 U	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**
Xylene, m,p-	3.1	**0.67 J**	1.7 U	**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**
Xylene, o-	2.5	**0.43 J**	0.87 U	**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**
Other VOCs (ug/m^3)																	
Acetaldehyde	NE	10 U	5.0 U	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
Acetone	58	4.6 U	**3.5**	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
Acrolein (propenal)	NE	1.2 U	0.46 U	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
Allyl chloride	NE	0.63 U	0.63 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	6.3 U	3.1 U	6.3 U	1.2 U
Benzothiophene	NE	1.1 U	14 UJ	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
Bromodichloromethane	NE	1.3 U	1.3 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	13 U	6.7 U	13 U	**4.4**
Bromoform	NE	2.1 U	2.1 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	21 U	10 U	21 U	4.1 U
Bromomethane	0.9	0.78 U	0.78 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	7.8 U	3.9 U	7.8 U	**0.78 J**
Butadiene, 1,3-	NE	0.44 U	0.44 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	4.4 U	2.2 U	4.4 U	0.88 U
Butane	NE	**0.48**	**0.40 J**	**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**
Butanone, 2-	17	**0.92**	0.65 U	**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
Carbon disulfide	NE	**26**	**10**	**22**	**19**	**14**	**31**	NA	**85**	**22**	**6.8**	**4.0**	**15**	6.2 UJ	**2.8 J**	6.2 U	**44**
Carbon tetrachloride	1	1.3 U	1.3 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	13 U	6.3 U	13 U	**0.75 J**
Chlorobenzene	<0.25	0.92 U	0.92 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	9.2 U	4.6 U	9.2 U	1.8 U
Chloroethane	0.4	0.53 U	0.53 U	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**
Chloroform	0.5	**2.8**	**2.4**	**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**
Chloromethane	4.6	0.41 U	**0.17 J**	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**
Chlorotoluene, 2-	NE	1.0 U	1.0 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	10 U	5.2 U	10 U	2.1 U
Cryofluorane	1.3	1.4 U	1.4 U	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
Cyclohexane	3	0.69 U	0.69 U	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**
Decane, n-	3.6	**0.66 J**	**0.47 J**	**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
Dibromochloromethane	NE	1.7 U	1.7 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	17 U	8.5 UJ	17 U	**0.85 J**
Dibromoethane, 1,2-	<0.25	1.5 U	1.5 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	15 U	7.7 U	15 U	3.1 U
Dichlorobenzene, 1,2-	0.9	1.2 U	1.2 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	12 U	6.0 U	12 U	2.4 U
Dichlorobenzene, 1,3-	0.7	**0.39 J**	1.2 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	12 U	6.0 U	12 U	2.4 U
Dichlorobenzene, 1,4-	0.8	1.2 U	1.2 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	12 U	6.0 U	12 U	**0.72 J**
Dichlorodifluoromethane	11	**2.8**	**2.2**	**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**
Dichloroethane, 1,1-	<0.25	0.81 U	0.81 U	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**
Dichloroethane, 1,2-	<0.25	0.81 U	0.81 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	8.1 U	4.0 U	8.1 U	1.6 U
Dichloroethene, 1,1-	<0.25	0.79 U	0.79 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	7.9 U	4.0 U	7.9 U	1.6 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	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
Dichloropropane, 1,2-	<0.25	0.92 U	0.92 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	9.2 U	4.6 U	9.2 U	1.8 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	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
Dichloropropene, trans-1,3	<0.25	0.91 U	0.91 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	9.1 U	4.5 U	9.1 U	1.8 U
Dioxane, 1,4-	NE	0.72 UJ	0.72 U	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**
Dodecane, n-	7.6	**1.4**	**2.1 J**	**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**
Ethanol	220	6.6 U	**11**	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
Ethylthiophene, 2-	NE	0.92 U	0.92 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	9.2 U	4.6 U	9.2 U	1.8 U
Ethyltoluene, p-	NE	0.98 U	0.98 U	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
Heptane, n-	5.1	0.82 U	0.82 U	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**
Hexachlorobutadiene	7	2.1 U	2.1 UJ	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

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU4SV-1 4/29/2009	OU4SV-1 4/30/2009	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
Hexane, n-	3.6	0.70 U	0.70 U	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**
Hexanone, 2-	NE	0.82 U	0.82 U	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
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	6.94 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	0.97 U	0.97 U	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
Indene	NE	0.95 U	0.95 UJ	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
Isopropyl benzene	0.4	NA	NA	NA	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 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
Methyl-2-pentanone, 4-	2.9	0.82 U	**0.78 J**	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
Methylene chloride	2.9	1.7 U	1.7 U	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**
Methylnaphthalene, 1-	NE	1.2 U	14 UJ	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
Methylnaphthalene, 2-	NE	1.2 U	14 UJ	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
Methylthiophene, 2-	NE	0.80 U	0.80 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	0.80 U	8.0 U	4.0 U	8.0 U	1.6 U
Methylthiophene, 3-	NE	0.80 U	0.80 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	0.80 U	8.0 U	4.0 U	8.0 U	1.6 U
Naphthalene	10	**0.68 J**	**0.31 J**	**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
Nonane	1.2	1.0 U	1.0 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	10 U	5.2 U	10 U	2.1 U
Octane, n-	2.1	0.93 U	0.93 U	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**
Pentane	NE	**2.2**	**0.56 J**	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**
Propanol, 2-	NE	1.2 UJ	0.49 UJ	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
Propylbenzene, n-	0.5	NA	NA	NA	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	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
t-Butyl alcohol	NE	**1.1**	**0.45 J**	**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**
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	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
Tetrachloroethene	1.6	**17**	**11**	**16**	**15**	**13**	**16**	NA	**19**	**20**	**32**	**38**	**32**	**36**	**59 J**	**40**	**50**
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	**0.33 J**	5.5 U	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
Thiophene	NE	0.69 U	0.69 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	0.69 U	6.9 U	3.4 U	6.9 U	1.4 U
Trans-1,2-dichloroethene	NE	0.79 U	0.79 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	7.9 U	4.0 U	7.9 U	1.6 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	**0.75 J**	**0.46 J**	**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**
Trichlorobenzene, 1,2,4-	4.8	1.5 U	1.5 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	15 U	7.4 U	15 U	3.0 U
Trichloroethane, 1,1,1-	0.7	**0.59 J**	**0.65 J**	**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**
Trichloroethane, 1,1,2-	<0.25	1.1 U	1.1 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	11 U	5.4 U	11 U	2.2 U
Trichloroethene	0.5	**1.5**	**1.3**	**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**
Trichlorofluoromethane	6.1	**45**	**36**	**66**	**42**	**49**	**74**	NA	**81**	**85**	**66**	**25**	**23**	**31**	**11**	**6.7 J**	**3.6**
Trimethylbenzene, 1,2,3-	0.6	**0.35 J**	0.98 U	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**
Trimethylbenzene, 1,2,4-	2.5	**0.71 J**	**0.29 J**	**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**
Trimethylbenzene, 1,3,5-	1	0.98 U	0.98 U	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
Trimethylpentane, 2,2,4-	2	0.93 U	0.93 U	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
Undecane, n-	2.3	1.3 UJ	**0.96 J**	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
Vinyl bromide	NE	0.87 U	0.87 U	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
Vinyl chloride	<0.25	0.51 U	0.51 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	5.1 U	2.6 U	5.1 U	1.0 U
Other (%)																	
Carbon Dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NE	0.0242 U	0.0197 U	**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

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU4SV-1 10/30/2009	OU4SV-1 10/30/2009	OU4SV-1 11/24/2009	OU4SV-1 12/14/2009	OU4SV-1 12/29/2009	OU4SV-01 3/31/2010	OU4SV-1 6/21/2010	OU4SV-1 9/9/2010	OU4SV-2 3/23/2009	OU4SV-2 4/27/2009	OU4SV-2 4/28/2009	Duplicate of OU4SV-2 4/28/2009	OU4SV-2 4/29/2009	Duplicate of OU4SV-2 4/29/2009
BTEX (ug/m^3)															
Benzene	5.8	3.2 UJ	3.2 UJ	1.3 U	1.3 U	1.3 U	1.3 U	**0.35 J**	1.3 U	0.64 U	0.64 U	NA	NA	0.64 U	0.64 U
Toluene	21	**1.9 J**	**1.9 J**	**0.60 J**	**0.83 J**	1.5 U	1.5 U	1.5 U	**0.45 J**	**0.60 J**	**10**	NA	NA	**57**	**56**
Ethylbenzene	1.9	4.3 UJ	4.3 UJ	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	0.87 U	**0.40 J**	NA	NA	**0.51 J**	**0.59 J**
Xylene, m,p-	3.1	8.7 UJ	8.7 UJ	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	**0.26 J**	**1.2 J**	NA	NA	**1.5 J**	**1.7 J**
Xylene, o-	2.5	4.3 UJ	4.3 UJ	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	0.87 U	**0.63 J**	NA	NA	**0.79 J**	**0.88**
Other VOCs (ug/m^3)															
Acetaldehyde	NE	22 UJ	22 UJ	4.6 U	3.6 U	9.0 U	9.0 U	**11 J**	**7.3 J**	1.8 UJ	**4.8 J**	NA	NA	4.5 UJ	4.5 UJ
Acetone	58	9.0 UJ	9.0 UJ	4.8 U	4.8 U	3.6 U	**1.8 J**	**4.1 J**	11.8 U	1.8 U	**2.5**	NA	NA	4.4 U	4.9 U
Acrolein (propenal)	NE	5.7 UJ	5.7 UJ	2.3 U	2.3 U	2.3 UJ	2.3 U	2.3 U	2.3 U	0.46 U	0.46 U	NA	NA	1.2 U	1.2 U
Allyl chloride	NE	3.1 UJ	3.1 UJ	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.63 U	0.63 U	NA	NA	0.63 U	0.63 U
Benzothiophene	NE	5.5 UJ	5.5 UJ	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	5.5 U	2.7 U	14 UJ	NA	NA	1.1 U	1.1 U
Bromodichloromethane	NE	6.7 UJ	6.7 UJ	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	1.3 U	1.3 U	NA	NA	1.3 U	1.3 U
Bromoform	NE	10 UJ	10 UJ	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	2.1 U	2.1 U	NA	NA	2.1 U	2.1 U
Bromomethane	0.9	3.9 UJ	3.9 UJ	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.78 U	0.78 U	NA	NA	0.78 U	0.78 U
Butadiene, 1,3-	NE	2.2 UJ	2.2 UJ	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.44 U	0.44 U	NA	NA	0.44 U	0.44 U
Butane	NE	**11 J**	**11 J**	**3.8**	**9.3**	**12**	**1.7**	**0.43 J**	0.95 U	0.48 U	0.48 U	NA	NA	0.48 U	0.48 U
Butanone, 2-	17	3.0 UJ	3.0 UJ	1.2 U	1.2 U	1.2 U	1.2 U	**0.70 J**	**0.41 J**	0.59 U	0.59 U	NA	NA	**0.86**	**0.92**
Carbon disulfide	NE	**22 J**	**22 J**	**5.4**	**3.2**	**3.7**	**2.4**	**3.8**	**2.3**	0.62 U	**1.6**	NA	NA	**1.5**	**1.0**
Carbon tetrachloride	1	6.3 UJ	6.3 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1.3 U	1.3 U	NA	NA	1.3 U	1.3 U
Chlorobenzene	<0.25	4.6 UJ	4.6 UJ	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.92 U	0.92 U	NA	NA	0.92 U	0.92 U
Chloroethane	0.4	2.6 UJ	2.6 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.53 U	0.53 U	NA	NA	0.53 U	0.53 U
Chloroform	0.5	**4.9 J**	**4.9 J**	**3.3**	**1.3 J**	**1.8 J**	**1.4 J**	**5.2**	**4.3**	0.98 U	**0.53 J**	NA	NA	**0.53 J**	**0.49 J**
Chloromethane	4.6	2.1 UJ	2.1 UJ	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.41 U	**0.40 J**	NA	NA	4.1 U	0.41 U
Chlorotoluene, 2-	NE	5.2 UJ	5.2 UJ	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	1.0 U	1.0 U	NA	NA	1.0 U	1.0 U
Cryofluorane	1.3	7.0 UJ	7.0 UJ	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	1.4 U	1.4 U	NA	NA	1.4 U	1.4 U
Cyclohexane	3	3.4 UJ	3.4 UJ	1.4 U	1.4 U	1.4 UJ	1.4 U	1.4 U	1.4 U	0.69 U	**3.9**	NA	NA	**24**	**25**
Decane, n-	3.6	5.8 UJ	5.8 UJ	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	1.2 U	**0.52 J**	NA	NA	**0.45 J**	**0.51 J**
Dibromochloromethane	NE	8.5 UJ	8.5 UJ	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	1.7 U	1.7 U	NA	NA	1.7 U	1.7 U
Dibromoethane, 1,2-	<0.25	7.7 UJ	7.7 UJ	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	1.5 U	1.5 U	NA	NA	1.5 U	1.5 U
Dichlorobenzene, 1,2-	0.9	6.0 UJ	6.0 UJ	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	1.2 U	**0.83 J**	NA	NA	**0.37 J**	**0.41 J**
Dichlorobenzene, 1,3-	0.7	6.0 UJ	6.0 UJ	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	1.2 U	1.2 U	NA	NA	1.2 U	1.2 U
Dichlorobenzene, 1,4-	0.8	6.0 UJ	6.0 UJ	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	1.2 U	**2.6**	NA	NA	**0.99 J**	**1.2**
Dichlorodifluoromethane	11	**3.0 J**	**3.0 J**	**2.2**	**2.8**	**3.0**	**2.6**	**2.5**	**2.5**	**1.3**	**2.6**	NA	NA	**2.3**	**1.5**
Dichloroethane, 1,1-	<0.25	4.0 UJ	4.0 UJ	1.6 U	1.6 U	1.6 U	1.6 U	**0.44 J**	**0.65 J**	0.81 U	0.81 U	NA	NA	0.81 U	0.81 U
Dichloroethane, 1,2-	<0.25	4.0 UJ	4.0 UJ	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.81 UJ	0.81 U	NA	NA	0.81 U	0.81 U
Dichloroethene, 1,1-	<0.25	4.0 UJ	4.0 UJ	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.79 U	0.79 U	NA	NA	0.79 U	0.79 U
Dichloroethene, cis-1,2-	<0.25	4.0 UJ	4.0 UJ	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.79 U	0.79 U	NA	NA	0.79 U	0.79 U
Dichloropropane, 1,2-	<0.25	4.6 UJ	4.6 UJ	1.8 U	1.8 U	1.8 UJ	1.8 U	1.8 U	1.8 U	0.92 U	0.92 U	NA	NA	0.92 U	0.92 U
Dichloropropene, cis-1,3	<0.25	4.5 UJ	4.5 UJ	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.91 U	0.91 U	NA	NA	0.91 U	0.91 U
Dichloropropene, trans-1,3	<0.25	4.5 UJ	4.5 UJ	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.91 U	0.91 U	NA	NA	0.91 U	0.91 U
Dioxane, 1,4-	NE	3.6 UJ	3.6 UJ	1.4 U	1.4 U	1.4 UJ	1.4 U	1.4 U	1.4 U	0.72 U	0.72 U	NA	NA	0.72 UJ	0.72 UJ
Dodecane, n-	7.6	7.0 UJ	7.0 UJ	**0.84 J**	**1.1 J**	2.8 U	2.8 U	**0.75 J**	2.8 U	3.5 U	**1.9 J**	NA	NA	**1.4**	**1.5**
Ethanol	220	**2.4 J**	**2.4 J**	3.8 U	**1.2 J**	3.8 U	**1.3 J**	**1.1 J**	**1.9 J**	**3.3 J**	**1.2 J**	NA	NA	4.4 U	4.6 U
Ethylthiophene, 2-	NE	4.6 UJ	4.6 UJ	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.92 U	0.92 U	NA	NA	0.92 U	0.92 U
Ethyltoluene, p-	NE	4.9 UJ	4.9 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.98 U	0.98 U	NA	NA	0.98 U	0.98 U
Heptane, n-	5.1	4.1 UJ	4.1 UJ	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	**1.2**	0.82 U	NA	NA	0.82 U	0.82 U
Hexachlorobutadiene	7	11 UJ	11 UJ	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	2.1 U	2.1 U	NA	NA	2.1 U	2.1 U

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Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU4SV-1 10/30/2009	OU4SV-1 10/30/2009	OU4SV-1 11/24/2009	OU4SV-1 12/14/2009	OU4SV-1 12/29/2009	OU4SV-01 3/31/2010	OU4SV-1 6/21/2010	OU4SV-1 9/9/2010	OU4SV-2 3/23/2009	OU4SV-2 4/27/2009	OU4SV-2 4/28/2009	Duplicate of OU4SV-2 4/28/2009	OU4SV-2 4/29/2009	Duplicate of OU4SV-2 4/29/2009
Hexane, n-	3.6	**1.9 J**	**1.9 J**	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.70 U	0.70 U	NA	NA	**0.60 J**	**0.63 J**
Hexanone, 2-	NE	4.1 UJ	4.1 UJ	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	2.0 U	0.82 U	NA	NA	0.82 U	0.82 U
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.94 U	6.94 U	NA	NA
Indan	NE	4.8 UJ	4.8 UJ	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	0.97 U	**0.25 J**	NA	NA	0.97 U	0.97 U
Indene	NE	4.8 UJ	4.8 UJ	1.9 U	1.9 UJ	1.9 U	1.9 U	1.9 UJ	1.9 U	0.95 U	0.95 U	NA	NA	0.95 U	0.95 U
Isopropyl benzene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	5.9	3.6 UJ	3.6 UJ	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.72 U	0.72 U	NA	NA	0.72 U	0.72 U
Methyl-2-pentanone, 4-	2.9	4.1 UJ	4.1 UJ	1.6 U	1.6 U	1.6 UJ	1.6 U	1.6 U	1.6 U	0.82 U	0.82 U	NA	NA	**1.0**	**0.86**
Methylene chloride	2.9	**2.8 J**	**2.8 J**	3.5 U	3.5 U	**0.97 J**	3.5 U	6.9 U	**2.6 J**	1.7 U	1.7 U	NA	NA	1.7 U	1.7 U
Methylnaphthalene, 1-	NE	5.8 UJ	5.8 UJ	2.3 U	2.3 UJ	2.3 U	5.8 U	5.8 U	5.8 UJ	2.9 UJ	14 UJ	NA	NA	**0.45 J**	**0.46 J**
Methylnaphthalene, 2-	NE	5.8 UJ	5.8 UJ	2.3 U	2.3 U	2.3 U	5.8 U	5.8 U	5.8 U	2.9 UJ	14 UJ	NA	NA	**0.69 J**	**0.76 J**
Methylthiophene, 2-	NE	4.0 UJ	4.0 UJ	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.80 U	0.80 U	NA	NA	0.80 U	0.80 U
Methylthiophene, 3-	NE	4.0 UJ	4.0 UJ	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.80 U	0.80 U	NA	NA	0.80 U	0.80 U
Naphthalene	10	5.2 UJ	5.2 UJ	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	1.0 U	1.0 U	NA	NA	**0.68 J**	**0.76 J**
Nonane	1.2	5.2 UJ	5.2 UJ	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	1.0 U	1.0 U	NA	NA	1.0 U	**0.29 J**
Octane, n-	2.1	4.7 UJ	4.7 UJ	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	0.93 U	0.93 U	NA	NA	0.93 U	0.93 U
Pentane	NE	**9.0 J**	**9.0 J**	**1.7**	**1.4**	**4.2**	1.2 U	1.2 U	1.2 U	0.59 U	0.59 U	NA	NA	**1.6**	**1.3**
Propanol, 2-	NE	6.1 UJ	6.1 UJ	2.4 U	2.4 U	2.5 U	**1.3 J**	2.5 U	2.5 U	1.2 UJ	0.49 UJ	NA	NA	2.8 U	3.3 U
Propylbenzene, n-	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.6	4.3 UJ	4.3 UJ	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	0.85 U	0.85 U	NA	NA	**0.31 J**	**0.49 J**
t-Butyl alcohol	NE	3.0 UJ	3.0 UJ	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.61 U	0.61 U	NA	NA	**0.21 J**	0.61 U
Tetrachloroethane, 1,1,2,2-	<0.25	6.9 UJ	6.9 UJ	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	1.4 U	1.4 U	NA	NA	1.4 U	1.4 U
Tetrachloroethene	1.6	**20 J**	**20 J**	**13**	**5.7**	**6.0**	**11**	**53**	**50**	1.4 U	**0.95 J**	NA	NA	**0.79 J**	**0.91 J**
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	5.5 UJ	5.5 UJ	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.7 U	**2.8 J**	NA	NA	**0.49 J**	**0.48 J**
Thiophene	NE	3.4 UJ	3.4 UJ	1.4 U	1.4 U	1.4 UJ	1.4 U	1.4 U	1.4 U	0.69 U	0.69 U	NA	NA	0.69 U	0.69 U
Trans-1,2-dichloroethene	NE	4.0 UJ	4.0 UJ	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.79 U	0.79 U	NA	NA	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	7.7 UJ	7.7 UJ	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	1.5 U	**0.47 J**	NA	NA	**0.55 J**	**0.41 J**
Trichlorobenzene, 1,2,4-	4.8	7.4 UJ	7.4 UJ	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	1.5 U	1.5 U	NA	NA	1.5 U	1.5 U
Trichloroethane, 1,1,1-	0.7	5.4 UJ	5.4 UJ	2.2 U	2.2 U	2.2 U	2.2 U	**0.95 J**	**0.76 J**	1.1 U	**0.44 J**	NA	NA	**0.51 J**	**0.59 J**
Trichloroethane, 1,1,2-	<0.25	5.4 UJ	5.4 UJ	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	1.1 U	1.1 U	NA	NA	1.1 U	1.1 U
Trichloroethene	0.5	**1.3 J**	**1.3 J**	**1.2 J**	**0.64 J**	**0.54 J**	2.2 U	**3.6**	**4.3**	1.1 U	1.1 U	NA	NA	1.1 U	1.1 U
Trichlorofluoromethane	6.1	**2.5 J**	**2.5 J**	**1.8 J**	**2.1 J**	**1.9 J**	**2.4**	**9.8**	**6.6**	**4.3**	**14**	NA	NA	**17 J**	**10 J**
Trimethylbenzene, 1,2,3-	0.6	4.9 UJ	4.9 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.98 U	**0.43 J**	NA	NA	0.98 U	0.98 U
Trimethylbenzene, 1,2,4-	2.5	4.9 UJ	4.9 UJ	2.0 U	**0.49 J**	2.0 U	2.0 U	2.0 U	2.0 U	0.98 U	**0.58 J**	NA	NA	**0.42 J**	**0.52 J**
Trimethylbenzene, 1,3,5-	1	4.9 UJ	4.9 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.98 U	0.98 U	NA	NA	0.98 U	0.98 U
Trimethylpentane, 2,2,4-	2	4.7 UJ	4.7 UJ	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	0.93 U	0.93 U	NA	NA	0.93 UJ	0.93 UJ
Undecane, n-	2.3	**1.6 J**	**1.6 J**	2.6 U	**0.89 J**	2.6 U	2.6 U	2.6 U	2.6 U	1.3 U	**1.6**	NA	NA	**0.69 J**	**0.98 J**
Vinyl bromide	NE	4.4 UJ	4.4 UJ	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.87 U	0.87 U	NA	NA	0.87 U	0.87 U
Vinyl chloride	<0.25	2.6 UJ	2.6 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.51 U	0.51 U	NA	NA	0.51 U	0.51 U
Other (%)															
Carbon Dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NE	0.00382 U	0.00382 U	0.0159 U	**0.085**	0.0134 U	**0.02**	0.0198 U	0.0192 U	0.017 U	0.0243 U	NA	NA	0.0178 U	0.018 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	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/m^3)																
Benzene	5.8	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	21	**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	1.9	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-	3.1	**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-	2.5	**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/m^3)																
Acetaldehyde	NE	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	58	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)	NE	**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	NE	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	NE	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	NE	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	NE	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	0.9	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-	NE	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	NE	**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	**3.9**	**240**	**210**	**760**
Butanone, 2-	17	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	NE	**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	1	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	<0.25	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	0.4	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	**9.0**	**7.2**	**4.5**
Chloroform	0.5	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	4.6	**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-	NE	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	1.3	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	3	**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-	3.6	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	NE	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-	<0.25	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-	0.9	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-	0.7	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-	0.8	**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	11	**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-	<0.25	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-	<0.25	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-	<0.25	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-	<0.25	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-	<0.25	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	<0.25	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	<0.25	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-	NE	1.8 U	0.72 UJ	7.2 U	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	7.2 U	7.2 U	3.6 U
Dodecane, n-	7.6	**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	220	**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-	NE	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
Ethyltoluene, p-	NE	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-	5.1	**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	7	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

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	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
Hexane, n-	3.6	**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-	NE	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	NE	NA	NA	NA	NA	NA	NA	6.94 U	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	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	NE	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	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	5.9	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-	2.9	**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	2.9	**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-	NE	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-	NE	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-	NE	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-	NE	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	10	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	1.2	**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-	2.1	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	NE	**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-	NE	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-	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.6	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	NE	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-	<0.25	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	1.6	**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	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	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	NE	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	NE	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-	3.6	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-	4.8	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-	0.7	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-	<0.25	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	0.5	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	6.1	**18**	**15**	**16**	**12**	**11**	**11**	NA	**13**	**20**	**14**	**23**	**15**	**30**	**28**	**40**
Trimethylbenzene, 1,2,3-	0.6	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-	2.5	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-	1	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-	2	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-	2.3	**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	NE	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	<0.25	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	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NE	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 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU4SV-2 9/15/2009	OU4SV-2 9/29/2009	OU4SV-2 10/30/2009	OU4SV-2 10/30/2009	OU4SV-2 11/24/2009	Duplicate of: OU4SV-2 11/24/2009	OU4SV-2 12/14/2009	OU4SV-2 12/29/2009	OU4SV-02 3/31/2010	OU4SV-2 6/21/2010	Duplicate of: OU4SV-2 6/21/2010	OU4SV-2 9/9/2010	OU4SV-3 3/23/2009	OU4SV-3 4/27/2009
BTEX (ug/m^3)															
Benzene	5.8	6.4 U	3.2 U	6.4 U	6.4 U	1.3 U	1.3 U	1.3 U	**0.45 J**	1.3 U	1.3 U	1.3 U	**1.3 J**	**0.29 J**	**7.1**
Toluene	21	**6.4 J**	**1.1 J**	7.5 U	7.5 U	**1.2 J**	**1.5**	**3.8**	**1.7**	**1.4 J**	**0.87 J**	**0.89 J**	**2.6 J**	**0.41 J**	**2.3**
Ethylbenzene	1.9	8.7 U	4.3 U	8.7 U	8.7 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	0.87 U	2.2 U
Xylene, m,p-	3.1	17 U	8.7 U	17 U	17 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	8.7 U	1.7 U	**1.4 J**
Xylene, o-	2.5	8.7 U	4.3 U	8.7 U	8.7 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	0.87 U	**1.1 J**
Other VOCs (ug/m^3)															
Acetaldehyde	NE	18 UJ	22 U	45 U	45 U	6.7 U	7.3 U	**4.5**	9.0 U	9.0 U	**32 J**	**16 J**	22 U	3.6 UJ	11 UJ
Acetone	58	12 U	12 U	18 U	18 U	4.8 U	5.6 UJ	4.8 U	**2.1 J**	**6.6 J**	**4.7 J**	**3.3 J**	11.8 U	1.8 UJ	4.4 UJ
Acrolein (propenal)	NE	11 U	5.7 U	11 U	11 U	2.3 U	2.3 U	2.3 U	2.3 UJ	2.3 U	2.3 U	2.3 U	5.7 U	0.46 U	**0.64 J**
Allyl chloride	NE	6.3 U	3.1 U	6.3 U	6.3 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	3.1 U	0.63 U	1.6 U
Benzothiophene	NE	11 UJ	5.5 U	11 UJ	11 UJ	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	14 U	2.7 U	34 UJ
Bromodichloromethane	NE	13 U	6.7 U	13 U	13 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	6.7 U	1.3 U	3.4 U
Bromoform	NE	21 U	10 U	21 U	21 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	10 U	2.1 U	5.2 U
Bromomethane	0.9	7.8 U	3.9 U	7.8 U	7.8 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	3.9 U	0.78 U	1.9 U
Butadiene, 1,3-	NE	4.4 U	2.2 U	4.4 U	4.4 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	2.2 U	0.44 U	1.1 U
Butane	NE	**88**	2.4 U	4.8 U	4.8 U	**0.43 J**	0.95 U	0.95 U	**1.3**	**0.38 J**	**0.49 J**	**0.95 J**	**4.2**	**47**	**79**
Butanone, 2-	17	5.9 U	3.0 U	5.9 U	5.9 U	1.2 U	1.2 U	1.2 U	1.2 U	**1.2**	**0.70 J**	**0.57 J**	3.0 U	0.59 U	**3.5**
Carbon disulfide	NE	6.2 U	**1.2 J**	6.2 U	6.2 U	1.2 U	1.2 U	**0.44 J**	**0.75 J**	1.2 U	**1.9**	**2.0**	**1.4 J**	0.62 U	**3.9**
Carbon tetrachloride	1	13 U	6.3 U	13 U	13 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	6.3 U	1.3 U	3.1 U
Chlorobenzene	<0.25	9.2 U	4.6 U	9.2 U	9.2 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	4.6 U	0.92 U	2.3 U
Chloroethane	0.4	5.3 U	2.6 U	5.3 U	5.3 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	0.53 U	1.3 U
Chloroform	0.5	9.8 U	4.9 U	9.8 U	9.8 U	**0.68 J**	2.0 U	2.0 U	2.0 U	2.0 U	**2.0**	**2.0**	**1.5 J**	**0.24 J**	**1.1 J**
Chloromethane	4.6	4.1 U	2.1 U	4.1 U	4.1 U	0.83 U	0.83 U	0.83 U	**0.41 J**	**1.2**	**0.48 J**	0.83 U	2.1 U	**0.23 J**	**1.2**
Chlorotoluene, 2-	NE	10 U	5.2 U	10 U	10 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	1.0 U	2.6 U
Cryofluorane	1.3	14 U	7.0 U	14 U	14 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	7.0 U	1.4 U	3.5 U
Cyclohexane	3	**7.2**	3.4 U	6.9 U	6.9 U	1.4 U	1.4 U	**0.69 J**	**0.69 J**	**0.55 J**	1.4 U	1.4 U	3.4 U	**2.0**	**2.9**
Decane, n-	3.6	12 U	5.8 U	12 U	12 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	5.8 U	1.2 U	2.9 U
Dibromochloromethane	NE	17 U	8.5 U	17 U	17 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	8.5 U	1.7 U	4.3 U
Dibromoethane, 1,2-	<0.25	15 U	7.7 U	15 U	15 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	7.7 U	1.5 U	3.8 U
Dichlorobenzene, 1,2-	0.9	12 U	6.0 U	12 U	12 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	6.0 U	1.2 U	3.0 U
Dichlorobenzene, 1,3-	0.7	12 U	6.0 U	12 U	12 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	6.0 U	1.2 U	**0.93 J**
Dichlorobenzene, 1,4-	0.8	12 U	6.0 U	12 U	12 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	**0.60 J**	**0.80 J**	6.0 U	1.2 U	3.0 U
Dichlorodifluoromethane	11	**4.9 J**	**2.2 J**	**3.5 J**	**3.5 J**	**1.5 J**	**1.9 J**	**1.3 J**	**1.8 J**	**1.8 J**	**3.5**	**4.2**	**3.5 J**	**3.1**	**3.6**
Dichloroethane, 1,1-	<0.25	8.1 U	4.0 U	8.1 U	8.1 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	4.0 U	**0.53 J**	**2.0 J**
Dichloroethane, 1,2-	<0.25	8.1 U	4.0 U	8.1 U	8.1 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	4.0 U	0.81 UJ	2.0 U
Dichloroethene, 1,1-	<0.25	7.9 U	4.0 U	7.9 U	7.9 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	4.0 U	0.79 U	2.0 U
Dichloroethene, cis-1,2-	<0.25	7.9 U	4.0 U	7.9 U	7.9 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	4.0 U	0.79 U	2.0 U
Dichloropropane, 1,2-	<0.25	9.2 U	4.6 U	9.2 U	9.2 U	1.8 U	1.8 U	1.8 U	1.8 UJ	1.8 U	1.8 U	1.8 U	4.6 U	0.92 U	2.3 U
Dichloropropene, cis-1,3	<0.25	9.1 U	4.5 U	9.1 U	9.1 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	4.5 U	0.91 U	2.3 U
Dichloropropene, trans-1,3	<0.25	9.1 U	4.5 U	9.1 U	9.1 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	4.5 U	0.91 U	2.3 U
Dioxane, 1,4-	NE	7.2 U	3.6 U	7.2 U	7.2 U	1.4 U	1.4 U	1.4 U	1.4 UJ	1.4 U	1.4 U	1.4 U	3.6 U	0.72 U	**11 J**
Dodecane, n-	7.6	14 U	7.0 U	14 U	14 U	**3.9**	**2.1 J**	2.8 U	2.8 U	2.8 U	**4.5 J**	**1.4 J**	7.0 U	3.5 U	**760 J**
Ethanol	220	**5.3 J**	9.5 U	19 U	19 U	3.8 U	3.8 U	**1.2 J**	**1.5 J**	**3.5 J**	**5.0**	**5.1**	**3.1 J**	**2.5 J**	**7.5**
Ethylthiophene, 2-	NE	9.2 U	4.6 U	9.2 U	9.2 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	4.6 U	0.92 U	2.3 U
Ethyltoluene, p-	NE	9.8 U	4.9 U	9.8 U	9.8 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.9 U	0.98 U	2.5 U
Heptane, n-	5.1	8.2 U	4.1 U	8.2 U	8.2 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	4.1 U	**1.4**	2.0 U
Hexachlorobutadiene	7	21 U	11 UJ	21 U	21 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	11 U	2.1 U	5.3 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU4SV-2 9/15/2009	OU4SV-2 9/29/2009	OU4SV-2 10/30/2009	OU4SV-2 10/30/2009	OU4SV-2 11/24/2009	Duplicate of: OU4SV-2 11/24/2009	OU4SV-2 12/14/2009	OU4SV-2 12/29/2009	OU4SV-02 3/31/2010	OU4SV-2 6/21/2010	Duplicate of: OU4SV-2 6/21/2010	OU4SV-2 9/9/2010	OU4SV-3 3/23/2009	OU4SV-3 4/27/2009
Hexane, n-	3.6	7.0 U	3.5 U	7.0 U	7.0 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	0.70 U	**1.9**
Hexanone, 2-	NE	8.2 U	4.1 U	8.2 U	8.2 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	4.1 U	2.0 U	**16**
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	9.7 U	4.8 U	9.7 U	9.7 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	4.8 U	0.97 U	2.4 U
Indene	NE	9.5 U	4.8 U	9.5 U	9.5 U	1.9 U	1.9 U	1.9 UJ	1.9 U	1.9 U	1.9 UJ	1.9 UJ	4.8 U	0.95 U	2.4 U
Isopropyl benzene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	5.9	7.2 U	3.6 U	7.2 U	7.2 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	3.6 U	0.72 U	1.8 U
Methyl-2-pentanone, 4-	2.9	8.2 U	4.1 U	8.2 U	8.2 U	1.6 U	1.6 U	1.6 U	1.6 UJ	1.6 U	1.6 U	1.6 U	4.1 U	0.82 U	**8.7 J**
Methylene chloride	2.9	17 U	8.7 U	17 U	17 U	3.5 U	3.5 U	3.5 U	**1.2 J**	3.5 U	**4.2 J**	**2.2 J**	8.7 U	1.7 U	4.2 U
Methylnaphthalene, 1-	NE	12 U	5.8 U	12 U	12 U	2.3 U	2.3 U	2.3 UJ	2.3 U	5.8 U	5.8 U	5.8 U	14 UJ	2.9 UJ	36 UJ
Methylnaphthalene, 2-	NE	12 UJ	5.8 U	12 UJ	12 UJ	2.3 U	2.3 U	2.3 U	2.3 U	5.8 U	5.8 U	5.8 U	14 U	2.9 UJ	**9.7 J**
Methylthiophene, 2-	NE	8.0 U	4.0 U	8.0 U	8.0 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	4.0 U	0.80 U	2.0 U
Methylthiophene, 3-	NE	8.0 U	4.0 U	8.0 U	8.0 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	4.0 U	0.80 U	2.0 U
Naphthalene	10	10 U	5.2 U	10 U	10 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	**1.5 J**	**0.91 J**	5.2 U	1.0 U	3.5 U
Nonane	1.2	10 U	5.2 U	10 U	10 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	1.0 U	**1.9 J**
Octane, n-	2.1	9.3 U	4.7 U	9.3 U	9.3 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	4.7 U	0.93 U	**0.72 J**
Pentane	NE	**14**	3.0 U	5.9 U	5.9 U	**0.65 J**	**0.53 J**	1.2 U	1.2 U	**2.4**	1.2 U	1.2 U	**1.2 J**	**5.1**	**16**
Propanol, 2-	NE	12 U	6.0 U	12 U	12 U	2.4 U	2.4 U	2.4 U	2.5 U	2.5 U	2.5 U	2.5 UJ	6.1 U	1.2 UJ	1.2 UJ
Propylbenzene, n-	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.6	8.5 U	4.3 U	8.5 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	4.3 U	0.85 U	2.1 U
t-Butyl alcohol	NE	6.1 U	3.0 U	6.1 U	6.1 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	0.61 U	**1.6**
Tetrachloroethane, 1,1,2,2-	<0.25	14 U	6.9 U	14 U	14 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	6.9 U	1.4 U	3.4 U
Tetrachloroethene	1.6	14 U	6.8 U	14 U	14 U	**1.4 J**	**1.8 J**	2.7 U	2.7 U	2.7 U	**2.0 J**	**1.9 J**	6.8 U	1.4 U	3.4 U
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	11 UJ	5.5 UJ	11 UJ	11 UJ	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	5.5 U	2.7 U	14 U
Thiophene	NE	6.9 U	3.4 U	6.9 U	6.9 U	1.4 U	1.4 U	1.4 U	1.4 UJ	1.4 U	1.4 U	1.4 U	3.4 U	0.69 U	1.7 U
Trans-1,2-dichloroethene	NE	7.9 U	4.0 U	7.9 U	7.9 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	4.0 U	0.79 U	2.0 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	15 U	7.7 U	15 U	15 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	**0.83 J**	**0.86 J**	7.7 U	1.5 U	3.8 U
Trichlorobenzene, 1,2,4-	4.8	15 U	7.4 U	15 U	15 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	7.4 U	1.5 U	3.7 U
Trichloroethane, 1,1,1-	0.7	11 U	5.4 U	11 U	11 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	**1.1 J**	**1.2 J**	5.4 U	1.1 U	2.7 U
Trichloroethane, 1,1,2-	<0.25	11 U	5.4 U	11 U	11 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	5.4 U	1.1 U	2.7 U
Trichloroethene	0.5	11 U	5.4 U	11 U	11 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	5.4 U	1.1 U	2.7 U
Trichlorofluoromethane	6.1	**27**	**17**	**14**	**14**	**11**	**12**	**6.0**	**2.0 J**	**3.5**	**23**	**25**	**22**	**22**	**49**
Trimethylbenzene, 1,2,3-	0.6	9.8 U	4.9 UJ	9.8 U	9.8 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.9 U	0.98 U	**0.95 J**
Trimethylbenzene, 1,2,4-	2.5	9.8 U	4.9 U	9.8 U	9.8 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.9 U	0.98 U	**1.8 J**
Trimethylbenzene, 1,3,5-	1	9.8 U	4.9 U	9.8 U	9.8 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.9 U	0.98 U	2.5 U
Trimethylpentane, 2,2,4-	2	9.3 U	4.7 U	9.3 U	9.3 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	4.7 U	0.93 UJ	2.3 U
Undecane, n-	2.3	13 U	6.4 U	13 U	13 U	**2.0 J**	**1.3 J**	2.6 U	2.6 U	2.6 U	**0.89 J**	2.6 U	6.4 U	1.3 UJ	**29**
Vinyl bromide	NE	8.7 U	4.4 U	8.7 U	8.7 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	4.4 U	0.87 U	2.2 U
Vinyl chloride	<0.25	5.1 U	2.6 U	5.1 U	5.1 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	0.51 U	1.3 U
Other (%)															
Carbon Dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NE	0.0166 U	0.0203 U	0.00323 U	0.00323 U	0.0174 U	0.0154 U	0.0165 U	0.014 U	0.0154 U	0.0157 U	0.0174 U	0.0191 U	0.0405 U	0.0177 U

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Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	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	OU4SV-3 7/9/2009	OU4SV-3 9/15/2009	OU4SV-3 9/29/2009
BTEX (ug/m^3)																	
Benzene	5.8	NA	**8.8**	**17**	**11**	**12**	**13**	**20**	NA	**19**	**32**	**48**	**28**	**30**	**160**	**550**	**550**
Toluene	21	NA	**8.7**	**4.0**	**16**	**14**	**8.4**	**4.8**	NA	**4.8**	**10**	**10**	**5.2**	**7.0**	**40**	**43**	**36**
Ethylbenzene	1.9	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**	**5.4 J**	**9.0 J**	**8.2 J**
Xylene, m,p-	3.1	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**	**12 J**	**16 J**	**22 J**
Xylene, o-	2.5	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**	**8.5 J**	**7.5 J**	**9.4 J**
Other VOCs (ug/m^3)																	
Acetaldehyde	NE	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 U	4.5 UJ	45 UJ	31 UJ	49 UJ
Acetone	58	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	18 UJ	20 UJ	48 UJ
Acrolein (propenal)	NE	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**	11 U	20 U	31 U
Allyl chloride	NE	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	6.3 U	11 U	17 U
Benzothiophene	NE	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	11 UJ	19 UJ	30 U
Bromodichloromethane	NE	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	13 U	23 U	36 U
Bromoform	NE	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	21 U	36 U	56 U
Bromomethane	0.9	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	7.8 U	13 U	21 U
Butadiene, 1,3-	NE	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	4.4 U	7.6 U	12 U
Butane	NE	NA	**47**	**70**	**41**	**95**	**39**	**49**	NA	**46**	**45**	**100**	**180**	**140**	**1400**	**8400**	**16000**
Butanone, 2-	17	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**	5.9 U	10 U	16 U
Carbon disulfide	NE	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**	7.0 UJ	11 U	6.17 U
Carbon tetrachloride	1	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	13 U	22 U	34 U
Chlorobenzene	<0.25	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	9.2 U	16 U	25 U
Chloroethane	0.4	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**	**19**	**400**	**740**
Chloroform	0.5	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**	9.8 U	17 U	26 U
Chloromethane	4.6	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	4.1 U	7.1 U	11 U
Chlorotoluene, 2-	NE	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	10 U	18 U	28 U
Cryofluorane	1.3	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	14 U	24 U	38 U
Cyclohexane	3	NA	**3.7**	**4.0**	**7.0**	**7.4**	**5.3**	**4.2**	NA	**3.1**	**4.1**	**5.6**	**6.2**	**6.5**	**24**	**44**	**47**
Decane, n-	3.6	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	12 U	20 U	31 U
Dibromochloromethane	NE	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	17 U	29 U	46 U
Dibromoethane, 1,2-	<0.25	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	15 U	26 U	42 U
Dichlorobenzene, 1,2-	0.9	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	12 U	21 U	32 U
Dichlorobenzene, 1,3-	0.7	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**	12 U	21 U	32 U
Dichlorobenzene, 1,4-	0.8	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**	**0.68 J**	12 U	21 U	32 U
Dichlorodifluoromethane	11	NA	**1.8**	**2.6**	**1.6**	**2.9**	**1.4**	**1.3**	NA	**1.9**	**1.9**	**1.8**	**1.8**	**1.1**	**5.3 J**	17 U	27 U
Dichloroethane, 1,1-	<0.25	NA	**2.3**	**2.6**	**2.1**	**1.7**	**1.7**	**2.1**	NA	**1.9**	**2.8**	**3.0**	**3.7**	**3.5**	**8.2**	**23**	**26**
Dichloroethane, 1,2-	<0.25	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	8.1 U	14 U	22 U
Dichloroethene, 1,1-	<0.25	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	7.9 U	14 U	21 U
Dichloroethene, cis-1,2-	<0.25	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	7.9 U	14 U	21 U
Dichloropropane, 1,2-	<0.25	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	9.2 U	**4.8 J**	25 U
Dichloropropene, cis-1,3	<0.25	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	9.1 U	16 U	24 U
Dichloropropene, trans-1,3	<0.25	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	9.1 U	16 U	24 U
Dioxane, 1,4-	NE	NA	0.72 UJ	1.8 U	0.72 UJ	0.72 U	0.72 UJ	0.72 UJ	NA	0.72 U	**0.18 J**	0.72 UJ	0.72 UJ	0.72 UJ	7.2 U	12 U	19 U
Dodecane, n-	7.6	NA	**0.37 J**	**4.2**	**3.5**	**1.8 J**	**1.6**	**9.1**	NA	**4.3**	**7.7**	**9.9**	**15**	**11**	14 U	24 U	38 U
Ethanol	220	NA	**38**	**100**	**8.7**	**2.2**	2.6 U	**25**	NA	**69**	**95**	**12**	**19**	**12**	**8.7 J**	32 U	51 U
Ethylthiophene, 2-	NE	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	9.2 U	16 U	25 U
Ethyltoluene, p-	NE	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	9.8 U	17 U	26 U
Heptane, n-	5.1	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**	8.2 U	**31**	**880**
Hexachlorobutadiene	7	NA	2.1 U	5.3 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	21 U	37 U	58 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	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	OU4SV-3 7/9/2009	OU4SV-3 9/15/2009	OU4SV-3 9/29/2009
Hexane, n-	3.6	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**	**3.8 J**	**290**	**6600**
Hexanone, 2-	NE	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	8.2 U	14 U	22 UJ
Hydrogen sulfide	NE	6.94 U	NA	NA	NA	NA	NA	NA	6.94 U	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	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	9.7 U	17 U	26 U
Indene	NE	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	9.5 U	16 U	26 U
Isopropyl benzene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	5.9	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**	7.2 U	**8.7 J**	20 U
Methyl-2-pentanone, 4-	2.9	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	8.2 U	14 U	22 U
Methylene chloride	2.9	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	17 UJ	30 U	47 U
Methylnaphthalene, 1-	NE	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**	12 UJ	20 U	31 U
Methylnaphthalene, 2-	NE	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**	12 UJ	20 UJ	31 UJ
Methylthiophene, 2-	NE	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	8.0 U	14 U	22 U
Methylthiophene, 3-	NE	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	8.0 U	14 U	22 U
Naphthalene	10	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**	10 U	18 U	28 U
Nonane	1.2	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**	10 U	18 U	**37**
Octane, n-	2.1	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**	9.3 U	16 U	**150**
Pentane	NE	NA	**18**	**19**	**9.2**	**16**	**8.3**	**9.3**	NA	**7.4**	**6.8**	**12**	**16**	**20**	**280**	**4800**	**7900**
Propanol, 2-	NE	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	12 UJ	21 U	32 U
Propylbenzene, n-	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.6	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**	**4.8 J**	**4.4 J**	23 U
t-Butyl alcohol	NE	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**	6.1 U	10 U	16 U
Tetrachloroethane, 1,1,2,2-	<0.25	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	14 U	24 U	37 U
Tetrachloroethene	1.6	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	14 U	23 U	37 U
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	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**	11 UJ	19 UJ	30 UJ
Thiophene	NE	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**	6.9 U	**21**	19 U
Trans-1,2-dichloroethene	NE	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	7.9 U	14 U	21 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	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	15 U	26 U	41 U
Trichlorobenzene, 1,2,4-	4.8	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	15 U	26 U	40 U
Trichloroethane, 1,1,1-	0.7	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	11 U	19 U	29 U
Trichloroethane, 1,1,2-	<0.25	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	11 U	19 U	29 U
Trichloroethene	0.5	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**	11 U	18 U	29 U
Trichlorofluoromethane	6.1	NA	**41**	**67**	**40**	**48**	**32**	**27**	NA	**41**	**65**	**40**	**25**	**16**	**38**	19 U	30 U
Trimethylbenzene, 1,2,3-	0.6	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**	9.8 U	17 U	26 U
Trimethylbenzene, 1,2,4-	2.5	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**	9.8 U	17 U	26 U
Trimethylbenzene, 1,3,5-	1	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**	9.8 U	17 U	26 U
Trimethylpentane, 2,2,4-	2	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	9.3 U	16 U	25 U
Undecane, n-	2.3	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**	13 U	22 U	34 U
Vinyl bromide	NE	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	8.7 U	15 U	24 U
Vinyl chloride	<0.25	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	5.1 U	8.8 U	14 U
Other (%)																	
Carbon Dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NE	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	0.021 U	0.0172 U	0.0271 U

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Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU4SV-3 10/30/2009	OU4SV-3 10/30/2009	OU4SV-3 11/24/2009	OU4SV-3 12/14/2009	OU4SV-3 12/29/2009	OU4SV-3 6/21/2010	OU4SV-3 9/9/2010	OU4SV-4 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
BTEX (ug/m^3)																
Benzene	5.8	**150**	**150**	**22**	**6.1 J**	**1.9 J**	**7.0**	**160**	**0.32 J**	**0.85 J**	NA	0.95 U	1.6 U	0.77 U	**0.41 J**	0.64 U
Toluene	21	**10 J**	**10 J**	**4.1 J**	**3.4 J**	7.5 U	**3.0**	**18**	**0.38 J**	**0.77 J**	NA	**3.5**	**0.75 J**	**1.8**	**0.87**	**0.53 J**
Ethylbenzene	1.9	14 U	14 U	8.7 U	8.7 U	8.7 U	**0.52 J**	**2.2 J**	0.87 U	1.7 U	NA	**0.61 J**	2.2 U	0.87 U	0.87 U	0.87 U
Xylene, m,p-	3.1	28 U	28 U	17 U	17 U	17 U	**1.0 J**	**5.6 J**	1.7 U	**1.3 J**	NA	**1.5 J**	4.3 U	1.7 U	1.7 U	1.7 U
Xylene, o-	2.5	14 U	14 U	8.7 U	8.7 U	8.7 U	1.7 U	8.7 U	0.87 U	**0.53 J**	NA	**0.60 J**	2.2 U	0.87 U	0.87 U	0.87 U
Other VOCs (ug/m^3)																
Acetaldehyde	NE	74 UJ	74 UJ	18 UJ	18 UJ	45 UJ	3.6 UJ	45 UJ	3.6 UJ	9.0 UJ	NA	**22 J**	11 UJ	4.5 UJ	4.5 UJ	4.5 UJ
Acetone	58	29 UJ	29 UJ	24 UJ	24 UJ	18 UJ	4.8 UJ	59 UJ	1.8 UJ	**8.8 J**	NA	**15 J**	6.0 U	4.1 U	1.8 UJ	2.9 U
Acrolein (propenal)	NE	19 U	19 U	11 U	11 U	11 UJ	2.3 U	11 U	0.46 U	0.92 U	NA	1.7 U	**1.4 J**	1.2 U	1.2 U	1.2 U
Allyl chloride	NE	10 U	10 U	6.3 U	6.3 U	6.3 U	1.2 U	6.3 U	0.63 U	1.2 U	NA	0.63 U	1.6 U	0.63 U	0.63 U	0.63 U
Benzothiophene	NE	18 UJ	18 UJ	11 U	11 U	11 U	2.2 U	27 U	2.7 U	27 UJ	NA	1.1 U	2.7 U	1.1 U	1.1 U	1.1 U
Bromodichloromethane	NE	22 U	22 U	13 U	13 U	13 U	2.7 U	13 U	1.3 U	2.7 U	NA	1.3 U	3.4 U	1.3 U	1.3 U	1.3 U
Bromoform	NE	34 U	34 U	21 U	21 U	21 U	4.1 U	21 U	2.1 U	4.1 U	NA	2.1 U	5.2 U	2.1 U	2.1 U	2.1 U
Bromomethane	0.9	13 U	13 U	7.8 U	7.8 U	7.8 U	1.6 U	7.8 U	0.78 U	1.6 U	NA	0.78 U	1.9 U	0.78 U	0.78 U	0.78 U
Butadiene, 1,3-	NE	7.3 U	7.3 U	4.4 U	4.4 U	4.4 U	0.88 U	4.4 U	0.44 U	0.88 U	NA	0.44 U	1.1 U	0.44 U	0.44 U	0.44 U
Butane	NE	**8400**	**8400**	**7200**	**4800**	**3200 J**	**370**	**6700**	**18**	**29**	NA	**17**	**16**	**8.9**	**15**	**6.9**
Butanone, 2-	17	9.7 U	9.7 U	5.9 U	5.9 U	5.9 U	**1.4**	5.9 U	0.59 U	**0.77 J**	NA	**2.6**	1.5 U	**0.50 J**	**0.41 J**	**0.41 J**
Carbon disulfide	NE	10 U	10 U	**2.8 J**	**1.6 J**	**3.4 J**	**0.35 J**	**2.5 J**	0.62 U	1.4 U	NA	**1.1**	**1.1 J**	**1.1**	**1.5**	**0.78**
Carbon tetrachloride	1	21 U	21 U	13 U	13 U	13 U	2.5 U	13 U	1.3 U	2.5 U	NA	1.3 U	3.1 U	1.3 U	1.3 U	1.3 U
Chlorobenzene	<0.25	15 U	15 U	9.2 U	9.2 U	9.2 U	1.8 U	9.2 U	0.92 U	1.8 U	NA	0.92 U	2.3 U	0.92 U	0.92 U	0.92 U
Chloroethane	0.4	**240**	**240**	**30**	5.3 U	5.3 U	1.0 U	**14**	**0.37 J**	**1.7**	NA	**2.0**	**1.9**	**1.5**	**1.1**	**1.1**
Chloroform	0.5	16 U	16 U	9.8 U	9.8 U	9.8 U	**0.94 J**	9.8 U	0.98 U	2.0 U	NA	**0.87 J**	2.4 U	**0.24 J**	**0.29 J**	0.98 U
Chloromethane	4.6	6.8 U	6.8 U	**1.6 J**	4.1 U	4.1 U	0.83 U	4.1 U	**1.7**	**1.7**	NA	**1.3**	**1.4**	0.52 U	**0.58**	0.41 U
Chlorotoluene, 2-	NE	17 U	17 U	10 U	10 U	10 U	2.1 U	10 U	1.0 U	2.1 U	NA	1.0 U	2.6 U	1.0 U	1.0 U	1.0 U
Cryofluorane	1.3	23 U	23 U	14 U	14 U	14 U	2.8 U	14 U	1.4 U	2.8 U	NA	1.4 U	3.5 UJ	1.4 U	1.4 U	1.4 U
Cyclohexane	3	**23**	**23**	**20**	**10**	**10 J**	**0.68 J**	**40**	0.69 U	**0.61 J**	NA	**0.26 J**	1.7 U	**0.28 J**	0.69 U	0.69 U
Decane, n-	3.6	19 U	19 U	12 U	12 U	12 U	2.3 U	12 U	1.2 U	**2.9**	NA	**3.8**	2.9 U	1.2 U	**0.93 J**	1.2 U
Dibromochloromethane	NE	28 U	28 U	17 U	17 U	17 U	3.4 U	17 U	1.7 U	3.4 U	NA	1.7 U	4.3 U	1.7 U	1.7 U	1.7 U
Dibromoethane, 1,2-	<0.25	25 U	25 U	15 U	15 U	15 U	3.1 U	15 U	1.5 U	3.1 U	NA	1.5 U	3.8 U	1.5 U	1.5 U	1.5 U
Dichlorobenzene, 1,2-	0.9	20 U	20 U	12 U	12 U	12 U	2.4 U	12 U	1.2 U	2.4 U	NA	1.2 U	3.0 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,3-	0.7	20 U	20 U	12 U	12 U	12 U	2.4 U	12 U	1.2 U	**0.61 J**	NA	**4.0**	3.0 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,4-	0.8	20 U	20 U	12 U	12 U	12 U	2.4 U	12 U	1.2 U	2.4 U	NA	1.2 U	3.0 U	1.2 U	1.2 U	1.2 U
Dichlorodifluoromethane	11	16 U	16 U	**2.5 J**	9.9 U	9.9 U	**2.2**	9.9 U	**2.0**	**3.2**	NA	**1.7**	**2.0 J**	**1.4**	**2.9**	**1.5**
Dichloroethane, 1,1-	<0.25	**8.0 J**	**8.0 J**	**6.5 J**	8.1 U	8.1 U	**7.4 J**	**11**	0.81 U	1.6 U	NA	**0.25 J**	2.0 U	**0.28 J**	**0.32 J**	0.81 U
Dichloroethane, 1,2-	<0.25	13 U	13 U	8.1 U	8.1 U	8.1 U	1.6 U	8.1 U	0.81 UJ	1.6 U	NA	0.81 U	2.0 U	0.81 U	0.81 U	0.81 U
Dichloroethene, 1,1-	<0.25	13 U	13 U	7.9 U	7.9 U	7.9 U	1.6 U	7.9 U	0.79 U	1.6 U	NA	0.79 U	2.0 U	0.79 U	0.79 U	0.79 U
Dichloroethene, cis-1,2-	<0.25	13 U	13 U	7.9 U	7.9 U	7.9 U	1.6 U	7.9 U	0.79 U	1.6 U	NA	**1.7**	2.0 U	0.79 U	0.79 U	0.79 U
Dichloropropane, 1,2-	<0.25	15 U	15 U	9.2 U	9.2 U	9.2 UJ	**1.5 J**	9.2 U	0.92 U	1.8 U	NA	0.92 U	2.3 U	0.92 U	0.92 U	0.92 U
Dichloropropene, cis-1,3	<0.25	15 U	15 U	9.1 U	9.1 U	9.1 U	1.8 U	9.1 U	0.91 U	1.8 U	NA	0.91 U	2.3 U	0.91 U	0.91 U	0.91 U
Dichloropropene, trans-1,3	<0.25	15 U	15 U	9.1 U	9.1 U	9.1 U	1.8 U	9.1 U	0.91 U	1.8 U	NA	0.91 U	2.3 U	0.91 U	0.91 U	0.91 U
Dioxane, 1,4-	NE	12 U	12 U	7.2 U	7.2 U	7.2 UJ	1.4 U	7.2 U	0.72 U	1.4 U	NA	0.72 UJ	1.8 U	0.72 UJ	0.72 U	0.72 U
Dodecane, n-	7.6	23 U	23 U	14 U	14 U	14 U	**5.4**	14 U	**2.5 J**	**10 J**	NA	**7.9**	**1.7 J**	**1.5**	**1.5 J**	**1.3 J**
Ethanol	220	31 U	31 U	19 U	**5.6 J**	19 U	**1.6 J**	**18 J**	**2.1 J**	**4.6**	NA	**57**	**38**	6.0 U	**0.98 J**	2.4 U
Ethylthiophene, 2-	NE	15 U	15 U	9.2 U	9.2 U	9.2 U	1.8 U	9.2 U	0.92 U	1.8 U	NA	0.92 U	2.3 U	0.92 U	0.92 U	0.92 U
Ethyltoluene, p-	NE	16 U	16 U	9.8 U	9.8 U	9.8 U	2.0 U	9.8 U	0.98 U	2.0 U	NA	**0.34 J**	2.5 U	0.98 U	0.98 U	0.98 U
Heptane, n-	5.1	**86**	**86**	**110**	**42**	**15**	**0.42 J**	**5.7 J**	**0.29 J**	1.6 U	NA	0.82 U	2.0 U	0.82 U	0.82 U	0.82 U
Hexachlorobutadiene	7	35 U	35 U	21 U	21 U	21 U	4.3 U	21 U	2.1 U	4.3 U	NA	2.1 U	5.3 U	2.1 U	2.1 U	2.1 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU4SV-3 10/30/2009	OU4SV-3 10/30/2009	OU4SV-3 11/24/2009	OU4SV-3 12/14/2009	OU4SV-3 12/29/2009	OU4SV-3 6/21/2010	OU4SV-3 9/9/2010	OU4SV-4 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
Hexane, n-	3.6	**2600**	**2600**	**2900**	**940**	**190**	**6.0**	**16**	0.70 U	1.4 U	NA	**0.22 J**	1.8 U	0.70 U	0.70 U	0.70 U
Hexanone, 2-	NE	14 U	14 U	8.2 U	8.2 U	8.2 U	1.6 U	8.2 U	2.0 U	1.6 U	NA	**1.6**	2.0 U	0.82 U	0.82 U	0.82 U
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.94 U	NA	NA	NA	NA	NA
Indan	NE	16 U	16 U	9.7 U	9.7 U	9.7 U	1.9 U	9.7 U	0.97 U	1.9 U	NA	**0.29 J**	2.4 U	0.97 U	0.97 U	0.97 U
Indene	NE	16 U	16 U	9.5 U	9.5 UJ	9.5 U	1.9 UJ	9.5 U	0.95 U	1.9 U	NA	0.95 U	2.4 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	NA	NA
Methyl tert-butyl ether	5.9	12 U	12 U	7.2 U	7.2 U	7.2 U	1.4 U	7.2 U	0.72 U	1.4 U	NA	0.72 U	1.8 U	0.72 U	0.72 U	0.72 U
Methyl-2-pentanone, 4-	2.9	14 U	14 U	8.2 U	8.2 U	8.2 UJ	1.6 U	8.2 U	0.82 U	**2.3 J**	NA	**2.2**	2.0 U	0.82 U	0.82 U	0.82 U
Methylene chloride	2.9	28 U	28 U	17 U	17 U	17 U	6.9 U	17 U	1.7 U	3.4 U	NA	1.7 U	4.3 U	1.7 U	1.7 U	**0.90 J**
Methylnaphthalene, 1-	NE	19 U	19 U	12 U	12 UJ	12 U	5.8 U	29 UJ	2.9 UJ	29 UJ	NA	**0.29 J**	2.9 U	1.2 U	1.2 U	1.2 U
Methylnaphthalene, 2-	NE	19 UJ	19 UJ	12 U	12 U	12 U	5.8 U	29 U	2.9 UJ	29 UJ	NA	**0.43 J**	2.9 U	1.2 U	1.2 U	1.2 U
Methylthiophene, 2-	NE	13 U	13 U	8.0 U	8.0 U	8.0 U	1.6 U	8.0 U	0.80 U	1.6 U	NA	0.80 U	2.0 U	0.80 U	0.80 U	0.80 U
Methylthiophene, 3-	NE	13 U	13 U	8.0 U	8.0 U	8.0 U	1.6 U	8.0 U	0.80 U	1.6 U	NA	0.80 U	2.0 U	0.80 U	0.80 U	0.80 U
Naphthalene	10	17 U	17 U	10 U	10 U	10 U	2.1 U	10 U	1.0 U	2.0 U	NA	**1.4**	2.6 U	**0.26 J**	1.0 U	1.0 U
Nonane	1.2	17 U	17 U	10 U	10 U	10 U	2.1 U	10 U	1.0 U	**0.82 J**	NA	**0.66 J**	2.6 U	1.0 U	1.0 U	1.0 U
Octane, n-	2.1	**9.2 J**	**9.2 J**	9.3 U	9.3 U	9.3 U	1.9 U	9.3 U	0.93 U	1.9 U	NA	**5.1**	2.3 U	0.93 U	0.93 U	0.93 U
Pentane	NE	**4400**	**4400**	**3800**	**2100**	**650**	**46**	**440**	**3.1**	**4.2**	NA	**4.0**	**2.8**	**1.4**	**1.9**	**0.88**
Propanol, 2-	NE	20 UJ	20 UJ	12 U	12 U	12 UJ	2.5 UJ	12 U	1.2 UJ	0.98 UJ	NA	**44**	4.8 U	1.2 U	1.2 UJ	1.2 U
Propylbenzene, n-	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.6	14 U	14 U	8.5 U	8.5 U	8.5 U	1.7 U	8.5 U	0.85 U	1.7 U	NA	**0.59 J**	2.1 U	**0.51 J**	**0.89**	0.85 U
t-Butyl alcohol	NE	10 U	10 U	6.1 U	6.1 U	6.1 U	1.2 U	6.1 U	0.61 U	**0.47 J**	NA	**1.1**	**0.61 J**	0.61 U	0.61 U	0.61 U
Tetrachloroethane, 1,1,2,2-	<0.25	23 U	23 U	14 U	14 U	14 U	2.7 U	14 U	1.4 U	2.7 U	NA	1.4 U	3.4 UJ	1.4 U	1.4 U	1.4 U
Tetrachloroethene	1.6	22 U	22 U	14 U	14 U	14 U	2.7 U	14 U	1.4 U	2.7 U	NA	**16**	3.4 U	1.4 U	1.4 U	**0.41 J**
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	18 UJ	18 UJ	11 U	11 U	11 U	2.2 U	11 U	2.7 U	11 U	NA	**0.39 J**	2.7 U	1.1 U	1.1 U	1.1 U
Thiophene	NE	11 U	11 U	6.9 U	6.9 U	6.9 UJ	**0.62 J**	**11**	0.69 U	1.4 U	NA	0.69 U	1.7 U	0.69 U	0.69 U	0.69 U
Trans-1,2-dichloroethene	NE	13 U	13 U	7.9 U	7.9 U	7.9 U	1.6 U	7.9 U	0.79 U	1.6 U	NA	0.79 U	2.0 U	0.79 U	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	25 U	25 U	15 U	15 U	15 U	3.1 U	15 U	1.5 U	3.1 U	NA	**0.52 J**	3.8 U	**0.54 J**	**0.46 J**	**0.46 J**
Trichlorobenzene, 1,2,4-	4.8	24 U	24 U	15 U	15 U	15 U	3.0 U	15 U	1.5 U	3.0 U	NA	1.5 U	3.7 U	1.5 U	1.5 U	1.5 U
Trichloroethane, 1,1,1-	0.7	18 U	18 U	11 U	11 U	11 U	2.2 U	11 U	1.1 U	2.2 U	NA	1.1 U	2.7 U	1.1 U	1.1 U	1.1 U
Trichloroethane, 1,1,2-	<0.25	18 U	18 U	11 U	11 U	11 U	2.2 U	11 U	1.1 U	2.2 U	NA	1.1 U	2.7 U	1.1 U	1.1 U	1.1 U
Trichloroethene	0.5	18 U	18 U	11 U	11 U	11 U	2.2 U	11 U	1.1 U	2.2 U	NA	**0.66 J**	2.7 U	1.1 U	1.1 U	1.1 U
Trichlorofluoromethane	6.1	18 U	18 U	**2.8 J**	11 U	**3.9 J**	**2.0 J**	11 U	**1.3**	**2.9**	NA	**3.4**	**4.6**	**2.8**	**4.1**	**3.3**
Trimethylbenzene, 1,2,3-	0.6	16 U	16 U	9.8 U	9.8 U	9.8 U	2.0 U	9.8 U	0.98 U	**0.72 J**	NA	**0.57 J**	2.5 U	0.98 U	0.98 U	0.98 U
Trimethylbenzene, 1,2,4-	2.5	16 U	16 U	9.8 U	9.8 U	9.8 U	2.0 U	9.8 U	0.98 U	**1.4 J**	NA	**1.4**	2.5 U	0.98 U	0.98 U	0.98 U
Trimethylbenzene, 1,3,5-	1	16 U	16 U	9.8 U	9.8 U	9.8 U	2.0 U	9.8 U	0.98 U	**0.52 J**	NA	**0.40 J**	2.5 U	0.98 U	0.98 U	0.98 U
Trimethylpentane, 2,2,4-	2	15 U	15 U	9.3 U	9.3 U	9.3 U	**3.1**	9.3 U	0.93 U	1.9 U	NA	0.93 U	2.3 U	0.93 U	0.93 U	0.93 U
Undecane, n-	2.3	21 U	21 U	13 U	13 U	13 U	2.6 U	13 U	**1.1 J**	**5.6**	NA	**4.5**	**1.4 J**	**0.64 J**	**1.3**	**0.45 J**
Vinyl bromide	NE	14 U	14 U	8.7 U	8.7 U	8.7 U	1.8 U	8.7 U	0.87 U	1.8 U	NA	0.87 U	2.2 UJ	0.87 U	0.87 U	0.87 U
Vinyl chloride	<0.25	8.4 U	8.4 U	5.1 U	5.1 U	5.1 U	1.0 U	5.1 U	0.51 U	1.0 U	NA	0.51 U	1.3 U	0.51 U	0.51 U	0.51 U
Other (%)																
Carbon Dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NE	0.00331 U	0.00331 U	0.0163 U	0.0179 U	0.0171 U	0.0188 U	0.02 U	0.0183 U	0.0249 U	NA	0.0175 U	0.0271 U	0.0221 U	0.0173 U	0.0196 U

Table 5-1
Analytical Soil Vapor Results
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Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	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	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-4 10/30/2009	OU4SV-4 11/24/2009	OU4SV-4 12/14/2009
BTEX (ug/m^3)																
Benzene	5.8	0.64 U	NA	**0.51 J**	**0.73**	0.64 U	0.64 U	0.64 U	**22**	**22**	**24**	**22**	6.4 U	6.4 U	**0.45 J**	1.3 U
Toluene	21	**1.8**	NA	**2.1**	**3.2**	**1.5**	**0.82**	**0.85**	**8.1**	**5.6 J**	**7.9**	**3.0 J**	7.5 U	7.5 U	**1.4 J**	**1.3 J**
Ethylbenzene	1.9	**0.43 J**	NA	**0.26 J**	**0.82 J**	**0.28 J**	**0.22 J**	0.87 U	8.7 U	8.7 U	8.7 U	8.7 U	8.7 U	8.7 U	1.7 U	1.7 U
Xylene, m,p-	3.1	**1.4 J**	NA	**0.78 J**	**2.8**	**0.70 J**	1.7 U	**0.36 J**	17 U	17 U	**4.3 J**	17 U	17 U	17 U	3.5 U	3.5 U
Xylene, o-	2.5	**0.61 J**	NA	**0.35 J**	**1.0**	**0.29 J**	**0.25 J**	0.87 U	8.7 U	8.7 U	8.7 U	8.7 U	8.7 U	8.7 U	1.7 U	1.7 U
Other VOCs (ug/m^3)																
Acetaldehyde	NE	**16 J**	NA	4.5 UJ	4.5 UJ	4.5 UJ	4.5 UJ	4.5 UJ	45 UJ	45 UJ	18 UJ	45 U	45 UJ	45 UJ	3.6 UJ	3.6 U
Acetone	58	12 U	NA	5.9 U	6.2 U	5.1 U	4.5 U	**18**	18 UJ	30 U	19 U	24 U	18 U	18 U	4.8 U	4.8 U
Acrolein (propenal)	NE	1.4 U	NA	**0.69 J**	**0.64 J**	**0.70 J**	**0.40 J**	**0.54 J**	11 U	11 U	11 U	11 U	11 U	11 U	2.3 U	2.3 U
Allyl chloride	NE	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	6.3 U	6.3 U	6.3 U	6.3 U	1.2 U	1.2 U
Benzothiophene	NE	1.1 U	NA	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	11 UJ	11 UJ	11 UJ	11 U	11 UJ	11 UJ	2.2 U	2.2 U
Bromodichloromethane	NE	1.3 U	NA	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	13 U	13 U	13 U	13 U	13 U	13 U	2.7 U	2.7 U
Bromoform	NE	2.1 U	NA	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	21 U	21 U	21 U	21 U	21 U	21 U	4.1 U	4.1 U
Bromomethane	0.9	0.78 U	NA	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	**32**	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U	1.6 U	1.6 U
Butadiene, 1,3-	NE	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	4.4 U	4.4 U	4.4 U	4.4 U	0.88 U	0.88 U
Butane	NE	**6.2**	NA	**6.2**	**4.6**	**3.6 J**	**4.8**	**1.5**	**340**	**220**	**200**	**96**	**10**	**10**	**8.6**	**3.0**
Butanone, 2-	17	**2.4**	NA	**0.85**	**0.80**	**0.81**	**0.61**	**0.85**	5.9 U	**4.1 J**	5.9 U	5.9 U	5.9 U	5.9 U	1.2 U	1.2 U
Carbon disulfide	NE	**0.65**	NA	**0.75**	**0.65**	**0.65**	**0.60 J**	**0.36 J**	**22 J**	**16**	**14**	**6.5**	6.2 U	6.2 U	**0.62 J**	**0.56 J**
Carbon tetrachloride	1	1.3 U	NA	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	13 U	13 U	13 U	13 U	13 U	13 U	2.5 U	2.5 U
Chlorobenzene	<0.25	0.92 U	NA	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	9.2 U	9.2 UJ	9.2 U	9.2 U	9.2 U	9.2 U	1.8 U	1.8 U
Chloroethane	0.4	**1.0**	NA	**1.5**	**1.2**	**1.3**	**1.1**	**0.77**	**89**	**78**	**84**	**47**	**4.5 J**	**4.5 J**	**2.7**	**1.2**
Chloroform	0.5	**0.49 J**	NA	**0.29 J**	**0.44 J**	**0.52 J**	**0.48 J**	**0.33 J**	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U	2.0 U	2.0 U
Chloromethane	4.6	0.52 U	NA	**0.80**	**0.68**	**0.68**	**0.71**	0.43 U	**910**	**2.5 J**	**1.6 J**	4.1 U	4.1 U	4.1 U	**0.54 J**	0.83 U
Chlorotoluene, 2-	NE	1.0 U	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	10 U	10 U	10 U	10 U	10 U	2.1 U	2.1 U
Cryofluorane	1.3	1.4 U	NA	1.4 UJ	1.4 UJ	1.4 U	1.4 U	1.4 U	14 U	14 U	14 U	14 U	14 U	14 U	2.8 U	2.8 U
Cyclohexane	3	0.69 U	NA	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	**40**	**20**	**26**	**12**	6.9 U	6.9 U	1.4 U	1.4 U
Decane, n-	3.6	**5.6**	NA	**1.3**	**1.3**	**1.8**	**4.5**	**1.2 J**	**16**	**20**	**2.9 J**	12 U	12 U	12 U	**2.9**	2.3 U
Dibromochloromethane	NE	1.7 U	NA	1.7 UJ	1.7 UJ	1.7 U	1.7 U	1.7 U	17 U	17 UJ	17 U	17 U	17 U	17 U	3.4 U	3.4 U
Dibromoethane, 1,2-	<0.25	1.5 U	NA	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	15 U	15 U	15 U	15 U	15 U	15 U	3.1 U	3.1 U
Dichlorobenzene, 1,2-	0.9	1.2 U	NA	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	12 U	12 U	12 U	12 U	12 U	12 U	2.4 U	2.4 U
Dichlorobenzene, 1,3-	0.7	**3.8**	NA	1.2 U	**0.48 J**	1.2 U	**0.88 J**	1.2 U	12 U	12 U	12 U	12 U	12 U	12 U	2.4 U	2.4 U
Dichlorobenzene, 1,4-	0.8	**0.84 J**	NA	1.2 U	1.2 U	1.2 U	**0.37 J**	1.2 U	12 U	12 U	12 U	12 U	12 U	12 U	2.4 U	2.4 U
Dichlorodifluoromethane	11	**1.3**	NA	**1.8**	**1.6**	**1.4**	**2.0**	**1.6**	**4.1 J**	**3.0 J**	**3.5 J**	9.9 U	9.9 U	9.9 U	**1.5 J**	**1.2 J**
Dichloroethane, 1,1-	<0.25	**0.24 J**	NA	**0.32 J**	**0.36 J**	**0.42 J**	**0.42 J**	**0.31 J**	8.1 U	8.1 U	8.1 U	**2.4 J**	8.1 U	8.1 U	1.6 U	1.6 U
Dichloroethane, 1,2-	<0.25	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	8.1 U	8.1 U	8.1 U	8.1 U	1.6 U	1.6 U
Dichloroethene, 1,1-	<0.25	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	7.9 U	7.9 U	7.9 U	7.9 U	1.6 U	1.6 U
Dichloroethene, cis-1,2-	<0.25	**0.44 J**	NA	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	7.9 U	7.9 U	7.9 U	7.9 U	7.9 U	7.9 U	1.6 U	1.6 U
Dichloropropane, 1,2-	<0.25	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	9.2 U	9.2 U	9.2 U	9.2 U	1.8 U	1.8 U
Dichloropropene, cis-1,3	<0.25	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	9.1 U	9.1 U	9.1 U	9.1 U	1.8 U	1.8 U
Dichloropropene, trans-1,3	<0.25	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	9.1 U	9.1 U	9.1 U	9.1 U	1.8 U	1.8 U
Dioxane, 1,4-	NE	0.72 UJ	NA	0.72 U	**0.25 J**	0.72 UJ	0.72 UJ	0.72 UJ	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U	1.4 U	1.4 U
Dodecane, n-	7.6	**8.8**	NA	**3.3**	**10**	**5.7**	**6.6**	**2.1**	**13 J**	**22**	**7.7 J**	**4.9 J**	**3.5 J**	**3.5 J**	**6.3 J**	2.8 U
Ethanol	220	**22**	NA	**86**	**80**	4.4 U	**7.2**	4.3 U	**20**	**38**	**11 J**	19 U	**8.7 J**	**8.7 J**	**13**	**2.0 J**
Ethylthiophene, 2-	NE	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	9.2 U	9.2 U	9.2 U	9.2 U	1.8 U	1.8 U
Ethyltoluene, p-	NE	**0.39 J**	NA	0.98 U	**0.34 J**	0.98 U	0.98 U	0.98 U	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U	2.0 U	2.0 U
Heptane, n-	5.1	**0.41 J**	NA	0.82 U	**0.41 J**	0.82 U	0.82 U	0.82 U	**25**	**7.0 J**	**2.0 J**	8.2 U	8.2 U	8.2 U	1.6 U	1.6 U
Hexachlorobutadiene	7	2.1 U	NA	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	21 U	21 U	21 U	21 UJ	21 U	21 U	4.3 U	4.3 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	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	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-4 10/30/2009	OU4SV-4 11/24/2009	OU4SV-4 12/14/2009
Hexane, n-	3.6	**0.21 J**	NA	0.70 U	**0.28 J**	0.70 U	0.70 U	0.70 U	**75**	**27**	**17**	**19**	7.0 U	7.0 U	1.4 U	1.4 U
Hexanone, 2-	NE	**0.90**	NA	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	8.2 U	8.2 U	8.2 U	8.2 U	8.2 U	8.2 U	1.6 U	1.6 U
Hydrogen sulfide	NE	NA	6.94 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	**0.34 J**	NA	0.97 U	**0.29 J**	0.97 U	0.97 U	0.97 U	9.7 U	9.7 U	9.7 U	9.7 U	9.7 U	9.7 U	1.9 U	1.9 U
Indene	NE	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	9.5 U	9.5 U	9.5 U	9.5 U	1.9 U	1.9 UJ
Isopropyl benzene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	5.9	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	7.2 U	7.2 U	7.2 U	7.2 U	1.4 U	1.4 U
Methyl-2-pentanone, 4-	2.9	**3.2**	NA	**4.1**	**1.2**	**0.46 J**	**0.45 J**	0.82 U	8.2 U	8.2 U	8.2 U	8.2 U	8.2 U	8.2 U	1.6 U	1.6 U
Methylene chloride	2.9	**2.2**	NA	**0.83 J**	**1.6 J**	**0.61 J**	1.7 U	1.7 U	17 UJ	**8.0 J**	17 U	17 U	17 U	17 U	3.5 U	3.5 U
Methylnaphthalene, 1-	NE	1.2 U	NA	1.2 U	**0.64 J**	1.2 U	**0.42 J**	**0.48 J**	12 UJ	12 U	12 U	12 U	12 U	12 U	2.3 U	2.3 UJ
Methylnaphthalene, 2-	NE	1.2 U	NA	**0.35 J**	**0.93 J**	1.2 U	**0.56 J**	**0.70 J**	12 UJ	12 U	12 UJ	12 U	12 UJ	12 UJ	2.3 U	2.3 U
Methylthiophene, 2-	NE	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	8.0 U	8.0 U	8.0 U	8.0 U	1.6 U	1.6 U
Methylthiophene, 3-	NE	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	8.0 U	8.0 U	8.0 U	8.0 U	1.6 U	1.6 U
Naphthalene	10	**0.73 J**	NA	**0.84 J**	**0.94 J**	**0.89 J**	**0.84 J**	**1.1**	10 U	10 U	10 U	10 U	10 U	10 U	2.1 U	2.1 U
Nonane	1.2	**0.73 J**	NA	**0.26 J**	**0.58 J**	**0.65 J**	1.0 U	1.0 U	10 U	10 U	10 U	10 U	10 U	10 U	2.1 U	2.1 U
Octane, n-	2.1	**10**	NA	**0.23 J**	**0.65 J**	**0.51 J**	**6.1**	**0.34 J**	**12**	**23 J**	9.3 U	9.3 U	9.3 U	9.3 U	**2.2**	1.9 U
Pentane	NE	**1.0**	NA	**0.80**	**0.83**	**0.53 J**	**0.53 J**	0.59 U	**160**	**110**	**77**	**54**	**2.1 J**	**2.1 J**	**1.6**	**0.83 J**
Propanol, 2-	NE	2.6 U	NA	**7.6**	**7.2**	1.2 U	1.7 U	1.2 U	**3.4 J**	12 U	12 U	12 U	12 U	12 U	2.4 U	2.4 U
Propylbenzene, n-	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.6	**0.64 J**	NA	**0.47 J**	**0.30 J**	**2.2**	**2.8**	**0.93**	**4.0 J**	8.5 U	8.5 U	8.5 U	**2.6 J**	**2.6 J**	1.7 U	1.7 U
t-Butyl alcohol	NE	**0.55 J**	NA	**0.15 J**	0.61 U	0.61 U	0.61 U	0.61 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	1.2 U	1.2 U
Tetrachloroethane, 1,1,2,2-	<0.25	1.4 U	NA	1.4 UJ	1.4 UJ	1.4 U	1.4 U	1.4 U	14 U	14 U	14 U	14 U	14 U	14 U	2.7 U	2.7 U
Tetrachloroethene	1.6	**2.1**	NA	**0.54 J**	**0.47 J**	**0.53 J**	1.4 U	1.4 U	14 U	14 UJ	14 U	14 U	14 U	14 U	2.7 U	2.7 U
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	**0.44 J**	NA	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	11 UJ	11 UJ	11 UJ	11 UJ	11 UJ	11 UJ	**0.66 J**	2.2 U
Thiophene	NE	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	6.9 U	6.9 U	6.9 U	6.9 U	1.4 U	1.4 U
Trans-1,2-dichloroethene	NE	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	7.9 U	7.9 U	7.9 U	7.9 U	1.6 U	1.6 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	**0.38 J**	NA	**0.61 J**	**0.46 J**	**0.51 J**	1.5 U	1.5 U	15 U	15 U	15 U	15 U	15 U	15 U	3.1 U	3.1 U
Trichlorobenzene, 1,2,4-	4.8	1.5 U	NA	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	15 U	15 U	15 U	15 U	15 U	15 U	3.0 U	3.0 U
Trichloroethane, 1,1,1-	0.7	1.1 U	NA	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	11 U	11 U	11 U	11 U	11 U	11 U	2.2 U	2.2 U
Trichloroethane, 1,1,2-	<0.25	1.1 U	NA	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	11 U	11 U	11 U	11 U	11 U	11 U	2.2 U	2.2 U
Trichloroethene	0.5	**0.75 J**	NA	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	11 U	11 U	11 U	11 U	11 U	11 U	2.2 U	2.2 U
Trichlorofluoromethane	6.1	**2.9**	NA	**4.0**	**4.5**	**4.3**	**6.4**	**4.0**	**4.8 J**	11 U	11 U	11 U	11 U	11 U	**1.0 J**	**0.56 J**
Trimethylbenzene, 1,2,3-	0.6	**0.64 J**	NA	0.98 UJ	**0.34 J**	0.98 U	**0.28 J**	0.98 U	9.8 U	9.8 U	9.8 U	9.8 UJ	9.8 U	9.8 U	**0.79 J**	2.0 U
Trimethylbenzene, 1,2,4-	2.5	**1.5**	NA	**0.64 J**	**0.98**	**0.52 J**	**0.77 J**	**0.29 J**	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U	**1.6 J**	2.0 U
Trimethylbenzene, 1,3,5-	1	**0.44 J**	NA	0.98 U	**0.29 J**	0.98 U	0.98 U	0.98 U	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U	2.0 U	2.0 U
Trimethylpentane, 2,2,4-	2	**0.42 J**	NA	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	9.3 U	1.9 U	1.9 U
Undecane, n-	2.3	**3.8**	NA	**2.9**	**5.0**	**2.5**	**1.8**	**0.78 J**	**4.3 J**	**3.2 J**	13 U	13 U	**3.8 J**	**3.8 J**	**3.6**	**1.0 J**
Vinyl bromide	NE	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	8.7 U	8.7 U	8.7 U	8.7 U	1.8 U	1.8 U
Vinyl chloride	<0.25	0.51 U	NA	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	**6.5**	**3.6 J**	**2.6 J**	5.1 U	5.1 U	5.1 U	1.0 U	1.0 U
Other (%)																
Carbon Dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NE	0.0188 U	NA	0.0235 U	0.0231 U	**0.041**	0.0167	0.0202 U	0.0231 U	0.0174 U	0.0189 U	0.0145 U	0.00326 U	0.00326 U	0.0189 U	0.0175 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU4SV-4 12/29/2009	Duplicate of: OU4SV-4 12/29/2009	OU4SV-04 3/31/2010	OU4SV-4 6/21/2010	OU4SV-4 9/9/2010	OU4SV-5 4/27/2009	OU4SV-5 11/24/2009	OU4SV-6 4/27/2009	Duplicate of OU4SV-6 4/27/2009	OU4SV-6 11/24/2009	OU4SV-7 4/27/2009	OU4SV-7 11/24/2009	OU4SV-8 4/27/2009	OU4SV-8 11/24/2009
BTEX (ug/m^3)															
Benzene	5.8	**0.51 J**	**0.51 J**	1.3 U	**2.1 J**	**8.6**	**14**	1.3 U	**1.4**	**1.6**	**24**	**10**	**1.8**	**0.19 J**	1.3 U
Toluene	21	1.5 U	1.5 U	**0.45 J**	**1.8 J**	**2.6 J**	**340**	**1.4 J**	**52**	**51**	**390**	**240**	**37**	**2.5**	**1.3 J**
Ethylbenzene	1.9	1.7 U	1.7 U	1.7 U	1.7 U	8.7 U	**15**	1.7 U	**1.0**	**1.1**	**6.9**	**12**	**0.69 J**	0.87 U	1.7 U
Xylene, m,p-	3.1	3.5 U	3.5 U	3.5 U	3.5 U	17 U	**42**	3.5 U	**3.2**	**3.2**	**15**	**16**	**1.9 J**	**0.66 J**	3.5 U
Xylene, o-	2.5	1.7 U	1.7 U	1.7 U	**0.49 J**	**2.2 J**	**18**	1.7 U	**1.3**	**1.3**	**9.2**	**14**	**1.3 J**	**0.37 J**	1.7 U
Other VOCs (ug/m^3)															
Acetaldehyde	NE	9.0 U	9.0 U	9.0 UJ	3.6 U	45 U	4.5 UJ	5.3 U	4.5 UJ	4.5 UJ	3.6 UJ	4.5 UJ	6.0 U	**3.8 J**	4.7 U
Acetone	58	3.6 U	3.6 UJ	**2.0 J**	**3.5 J**	59 UJ	**68 J**	4.9 UJ	**6.2 J**	**5.7 J**	4.8 U	1.8 UJ	6.0 UJ	**2.9 J**	4.8 U
Acrolein (propenal)	NE	2.3 UJ	2.3 UJ	2.3 U	2.3 U	11 U	0.46 U	2.3 U	0.46 U	**0.25 J**	2.3 U	0.46 U	2.3 U	0.46 U	2.3 U
Allyl chloride	NE	1.2 U	1.2 U	1.2 U	1.2 U	6.3 U	0.63 U	1.2 U	0.63 U	0.63 U	1.2 U	0.63 U	1.2 U	0.63 U	1.2 U
Benzothiophene	NE	2.2 U	2.2 U	2.2 U	2.2 U	27 U	14 UJ	2.2 U	14 UJ	14 UJ	2.2 U	14 UJ	2.2 U	14 UJ	2.2 U
Bromodichloromethane	NE	2.7 U	2.7 U	2.7 U	2.7 U	13 U	1.3 U	2.7 U	**1.0 J**	**1.1 J**	2.7 U	1.3 U	2.7 U	**1.3**	2.7 U
Bromoform	NE	4.1 U	4.1 U	4.1 U	4.1 U	21 U	2.1 U	4.1 U	2.1 U	2.1 U	4.1 U	2.1 U	4.1 U	2.1 U	4.1 U
Bromomethane	0.9	1.6 U	1.6 U	1.6 U	1.6 U	7.8 U	0.78 U	1.6 U	0.78 U	0.78 U	1.6 U	0.78 U	1.6 U	0.78 U	1.6 U
Butadiene, 1,3-	NE	0.88 U	0.88 U	0.88 U	0.88 U	4.4 U	**2.1**	0.88 U	0.44 U	0.44 U	0.88 U	**1.4**	0.88 U	0.44 U	0.88 U
Butane	NE	**5.2 J**	**21 J**	**14**	**80 J**	**110**	**39**	**2.2**	**7.7**	**8.1**	**55**	**130**	**2.3**	**4.6**	**0.62 J**
Butanone, 2-	17	1.2 U	1.2 U	1.2 U	**0.91 J**	5.9 U	**10**	1.2 U	**1.7**	**1.3**	1.2 U	**5.0**	1.2 U	**0.40 J**	1.2 U
Carbon disulfide	NE	**0.81 J**	**0.68 J**	1.2 U	**13 J**	**5.3 J**	**78**	**2.0**	**2.5**	**2.7**	**11**	**20**	**3.2**	**5.8**	**1.1 J**
Carbon tetrachloride	1	2.5 U	2.5 U	2.5 U	2.5 U	13 U	**0.43 J**	2.5 U	**0.67 J**	**0.72 J**	2.5 U	**0.87 J**	2.5 U	**0.54 J**	2.5 U
Chlorobenzene	<0.25	1.8 U	1.8 U	1.8 U	1.8 U	9.2 U	0.92 U	1.8 U	0.92 U	0.92 U	1.8 U	0.92 U	1.8 U	0.92 U	1.8 U
Chloroethane	0.4	**1.7**	**1.7**	**1.8**	**10 J**	**19**	**0.81**	1.0 U	0.53 U	0.53 U	1.0 U	**1.6**	1.0 U	0.53 U	1.0 U
Chloroform	0.5	2.0 U	2.0 U	2.0 U	**1.8 J**	9.8 U	**130**	**0.68 J**	**200**	**210**	**12**	**37**	**1.8 J**	**64**	**1.8 J**
Chloromethane	4.6	0.83 U	0.83 U	**0.33 J**	**2.2 J**	**1.9 J**	**0.97**	0.83 U	**0.28 J**	**0.31 J**	0.83 U	**2.1**	**0.41 J**	**0.37 J**	0.83 U
Chlorotoluene, 2-	NE	2.1 U	2.1 U	2.1 U	2.1 U	10 U	1.0 U	2.1 U	1.0 U	1.0 U	2.1 U	1.0 U	2.1 U	1.0 U	2.1 U
Cryofluorane	1.3	2.8 U	2.8 U	2.8 U	2.8 U	14 U	1.4 U	2.8 U	1.4 U	1.4 U	2.8 U	1.4 U	2.8 U	1.4 U	2.8 U
Cyclohexane	3	1.4 UJ	1.4 UJ	1.4 U	**0.83 J**	**21**	**50**	1.4 U	**8.6**	**8.7**	**120**	**99**	**13**	**4.0**	1.4 U
Decane, n-	3.6	2.3 U	2.3 U	2.3 U	**0.79 J**	12 U	**25**	**1.5 J**	**3.4**	**3.0**	**2.3**	**20**	**1.6 J**	**3.4**	2.3 U
Dibromochloromethane	NE	3.4 U	3.4 U	3.4 U	3.4 U	17 U	1.7 U	3.4 U	1.7 U	1.7 U	3.4 U	1.7 U	3.4 U	1.7 U	3.4 U
Dibromoethane, 1,2-	<0.25	3.1 U	3.1 U	3.1 U	3.1 U	15 U	1.5 U	3.1 U	1.5 U	1.5 U	3.1 U	1.5 U	3.1 U	1.5 U	3.1 U
Dichlorobenzene, 1,2-	0.9	2.4 U	2.4 U	2.4 U	2.4 U	12 U	**1.8**	2.4 U	**0.43 J**	**0.37 J**	**2.9**	**1.7**	2.4 U	**0.65 J**	**0.72 J**
Dichlorobenzene, 1,3-	0.7	2.4 U	2.4 U	2.4 U	2.4 U	12 U	**3.1**	2.4 U	**1.1 J**	**1.0 J**	2.4 U	**2.9**	2.4 U	**2.3**	2.4 U
Dichlorobenzene, 1,4-	0.8	2.4 U	2.4 U	2.4 U	2.4 U	12 U	**4.8**	2.4 U	**1.4**	**1.3**	**2.4**	**4.9**	**1.4 J**	**2.6**	**1.4 J**
Dichlorodifluoromethane	11	**1.6 J**	**1.8 J**	**1.9 J**	**3.8 J**	**3.0 J**	**2.4**	**2.3**	**4.1**	**4.2**	**3.6**	**4.5**	**2.5**	**2.5**	**2.5**
Dichloroethane, 1,1-	<0.25	1.6 U	1.6 U	1.6 U	**1.4 J**	8.1 U	**0.71 J**	1.6 U	0.81 U	0.81 U	1.6 U	**0.57 J**	1.6 U	0.81 U	1.6 U
Dichloroethane, 1,2-	<0.25	1.6 U	1.6 U	1.6 U	1.6 U	8.1 U	0.81 U	1.6 U	0.81 U	0.81 U	1.6 U	0.81 U	1.6 U	0.81 U	1.6 U
Dichloroethene, 1,1-	<0.25	1.6 U	1.6 U	1.6 U	1.6 U	7.9 U	**0.59 J**	1.6 U	0.79 U	0.79 U	1.6 U	**0.32 J**	1.6 U	0.79 U	1.6 U
Dichloroethene, cis-1,2-	<0.25	1.6 U	1.6 U	1.6 U	1.6 U	7.9 U	**0.55 J**	1.6 U	0.79 U	0.79 U	1.6 U	**0.27 J**	1.6 U	0.79 U	1.6 U
Dichloropropane, 1,2-	<0.25	1.8 UJ	1.8 UJ	1.8 U	1.8 U	9.2 U	0.92 U	1.8 U	0.92 U	0.92 U	1.8 U	0.92 U	1.8 U	0.92 U	1.8 U
Dichloropropene, cis-1,3	<0.25	1.8 U	1.8 U	1.8 U	1.8 U	9.1 U	0.91 U	1.8 U	0.91 U	0.91 U	1.8 U	0.91 U	1.8 U	0.91 U	1.8 U
Dichloropropene, trans-1,3	<0.25	1.8 U	1.8 U	1.8 U	1.8 U	9.1 U	0.91 U	1.8 U	0.91 U	0.91 U	1.8 U	0.91 U	1.8 U	0.91 U	1.8 U
Dioxane, 1,4-	NE	1.4 UJ	1.4 UJ	1.4 U	1.4 U	7.2 U	0.72 U	1.4 U	0.72 U	0.72 U	1.4 U	0.72 U	1.4 U	0.72 U	1.4 U
Dodecane, n-	7.6	2.8 U	2.8 U	2.8 U	**9.7 J**	**20**	**10 J**	**2.0 J**	**4.3 J**	**2.9 J**	**10 J**	**14 J**	**0.97 J**	**5.6 J**	2.8 U
Ethanol	220	**1.4 J**	**1.2 J**	**1.5 J**	**4.9 J**	**5.1 J**	**10**	**15**	**5.7**	**5.4**	4.0 U	**31**	4.1 U	**2.6**	3.8 U
Ethylthiophene, 2-	NE	1.8 U	1.8 U	1.8 U	1.8 U	9.2 U	0.92 U	1.8 U	0.92 U	0.92 U	1.8 U	0.92 U	1.8 U	0.92 U	1.8 U
Ethyltoluene, p-	NE	2.0 U	2.0 U	2.0 U	2.0 U	9.8 U	**6.4**	2.0 U	**0.28 J**	**0.29 J**	2.0 U	**3.9**	2.0 U	0.98 U	2.0 U
Heptane, n-	5.1	1.6 U	1.6 U	1.6 U	1.6 U	**4.1 J**	**17**	1.6 U	0.82 U	0.82 U	**24**	**19**	**0.82 J**	0.82 U	1.6 U
Hexachlorobutadiene	7	4.3 U	4.3 U	4.3 U	4.3 U	21 U	2.1 U	4.3 U	2.1 U	2.1 U	4.3 U	2.1 U	4.3 U	2.1 U	4.3 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU4SV-4 12/29/2009	Duplicate of: OU4SV-4 12/29/2009	OU4SV-04 3/31/2010	OU4SV-4 6/21/2010	OU4SV-4 9/9/2010	OU4SV-5 4/27/2009	OU4SV-5 11/24/2009	OU4SV-6 4/27/2009	Duplicate of OU4SV-6 4/27/2009	OU4SV-6 11/24/2009	OU4SV-7 4/27/2009	OU4SV-7 11/24/2009	OU4SV-8 4/27/2009	OU4SV-8 11/24/2009
Hexane, n-	3.6	1.4 U	**0.42 J**	1.4 U	**1.4 J**	**16**	**27**	1.4 U	**1.4**	**1.4**	**91**	**27**	**2.3**	**0.20 J**	1.4 U
Hexanone, 2-	NE	1.6 U	1.6 U	1.6 U	1.6 U	8.2 U	0.82 U	1.6 U	0.82 U	0.82 U	1.6 U	0.82 U	1.6 U	0.82 U	1.6 U
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	1.9 U	1.9 U	1.9 U	1.9 U	9.7 U	**6.3**	1.9 U	**0.31 J**	**0.35 J**	**1.4 J**	**3.8**	1.9 U	**0.38 J**	1.9 U
Indene	NE	1.9 U	1.9 U	1.9 U	1.9 UJ	9.5 U	0.95 U	1.9 U	0.95 U	0.95 U	1.9 U	0.95 U	1.9 U	0.95 U	1.9 U
Isopropyl benzene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	5.9	1.4 U	1.4 U	1.4 U	1.4 U	7.2 U	0.72 U	1.4 U	0.72 U	0.72 U	1.4 U	0.72 U	1.4 U	0.72 U	1.4 U
Methyl-2-pentanone, 4-	2.9	1.6 UJ	1.6 UJ	1.6 U	1.6 U	8.2 U	**5.1 J**	1.6 U	**0.57 J**	**0.51 J**	**1.7**	**3.7 J**	1.6 U	0.82 U	1.6 U
Methylene chloride	2.9	**1.4 J**	**1.1 J**	3.5 U	**2.0 J**	17.4 U	4.4 U	3.5 U	1.7 U	1.7 U	3.5 U	1.7 U	3.5 U	1.7 U	3.5 U
Methylnaphthalene, 1-	NE	2.3 U	2.3 U	5.8 U	5.8 U	29 U	14 UJ	2.3 U	14 UJ	14 UJ	2.3 U	14 UJ	2.3 U	14 UJ	2.3 U
Methylnaphthalene, 2-	NE	2.3 U	2.3 U	5.8 U	5.8 U	29 U	14 UJ	2.3 U	14 UJ	14 UJ	2.3 U	14 UJ	2.3 U	14 UJ	2.3 U
Methylthiophene, 2-	NE	1.6 U	1.6 U	1.6 U	1.6 U	8.0 U	0.80 U	1.6 U	0.80 U	0.80 U	1.6 U	0.80 U	1.6 U	0.80 U	1.6 U
Methylthiophene, 3-	NE	1.6 U	1.6 U	1.6 U	1.6 U	8.0 U	0.80 U	1.6 U	0.80 U	0.80 U	1.6 U	0.80 U	1.6 U	0.80 U	1.6 U
Naphthalene	10	2.1 U	2.1 U	2.1 U	**1.7 J**	10 U	**3.4 J**	2.1 U	1.0 U	1.0 U	2.1 U	**2.8 J**	2.1 U	1.0 U	2.1 U
Nonane	1.2	2.1 U	2.1 U	2.1 U	2.1 U	10 U	**29**	2.1 U	**1.0 J**	**0.89 J**	2.1 U	**16**	2.1 U	**0.39 J**	2.1 U
Octane, n-	2.1	1.9 U	1.9 U	1.9 U	1.9 U	9.3 U	**35**	**2.4**	**1.6**	**1.6**	**1.4 J**	**17**	1.9 U	0.93 U	1.9 U
Pentane	NE	**1.1 J**	**2.0**	**2.5**	**21 J**	**50**	**28**	**0.88 J**	**1.4**	**1.5**	**95**	**80**	**2.2**	**2.0**	1.2 U
Propanol, 2-	NE	2.5 U	2.5 U	2.5 U	2.5 U	12 U	0.49 UJ	2.4 U	0.49 UJ	0.49 UJ	3.3 U	0.49 UJ	2.4 U	0.49 UJ	2.4 U
Propylbenzene, n-	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.6	1.7 U	1.7 U	1.7 U	**2.6 J**	8.5 U	**1.9**	1.7 U	**0.87**	**0.90**	**1.7**	**3.4**	**0.60 J**	0.85 U	1.7 U
t-Butyl alcohol	NE	1.2 U	1.2 U	1.2 U	1.2 U	**1.8 J**	**0.39 J**	1.2 U	**0.27 J**	**0.30 J**	1.2 U	**0.39 J**	1.2 U	**0.24 J**	1.2 U
Tetrachloroethane, 1,1,2,2-	<0.25	2.7 U	2.7 U	2.7 U	2.7 U	14 U	1.4 U	2.7 U	1.4 U	1.4 U	2.7 U	1.4 U	2.7 U	1.4 U	2.7 U
Tetrachloroethene	1.6	2.7 U	2.7 U	2.7 U	**1.1 J**	14 U	**19**	**3.2**	**200**	**210**	**72**	**16**	**6.1**	**15**	**3.8**
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	2.2 U	2.2 U	2.2 U	**0.81 J**	11 U	**34 J**	2.2 U	**1.4 J**	**1.5 J**	**1.6 J**	**29 J**	**0.99 J**	**4.6 J**	2.2 U
Thiophene	NE	1.4 UJ	1.4 UJ	1.4 U	1.4 U	6.9 U	0.69 U	1.4 U	0.69 U	0.69 U	1.4 U	0.69 U	1.4 U	0.69 U	1.4 U
Trans-1,2-dichloroethene	NE	1.6 U	1.6 U	1.6 U	1.6 U	7.9 U	0.79 U	1.6 U	0.79 U	0.79 U	1.6 U	0.79 U	1.6 U	0.79 U	1.6 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	3.1 U	3.1 U	3.1 U	3.1 U	15 U	**0.61 J**	3.1 U	**0.80 J**	**0.86 J**	3.1 U	**1.0 J**	3.1 U	**0.58 J**	3.1 U
Trichlorobenzene, 1,2,4-	4.8	3.0 U	3.0 U	3.0 U	3.0 U	15 U	1.5 U	3.0 U	1.5 U	1.5 U	3.0 U	1.5 U	3.0 U	1.5 U	3.0 U
Trichloroethane, 1,1,1-	0.7	2.2 U	2.2 U	2.2 U	2.2 U	11 U	**1.3**	2.2 U	**1.0 J**	**1.2**	2.2 U	**6.7**	**0.65 J**	1.1 U	2.2 U
Trichloroethane, 1,1,2-	<0.25	2.2 U	2.2 U	2.2 U	2.2 U	11 U	1.1 U	2.2 U	1.1 U	1.1 U	2.2 U	1.1 U	2.2 U	1.1 U	2.2 U
Trichloroethene	0.5	2.2 U	2.2 U	2.2 U	2.2 U	11 U	**4.8**	**1.1 J**	**0.32 J**	**0.28 J**	**0.75 J**	**2.4**	**0.97 J**	**1.5**	2.2 U
Trichlorofluoromethane	6.1	**0.56 J**	**0.67 J**	**0.79 J**	**2.7 J**	11 U	**1.5**	**1.2 J**	**54**	**58**	**13**	**230**	**1.9 J**	**2.0**	**1.5 J**
Trimethylbenzene, 1,2,3-	0.6	2.0 U	2.0 U	2.0 U	2.0 U	9.8 U	**21**	2.0 U	**0.63 J**	**0.62 J**	2.0 U	**13**	2.0 U	**0.71 J**	2.0 U
Trimethylbenzene, 1,2,4-	2.5	2.0 U	2.0 U	2.0 U	**0.80 J**	9.8 U	**22**	**0.88 J**	**1.2**	**1.2**	**2.6**	**11**	**0.69 J**	**1.2**	2.0 U
Trimethylbenzene, 1,3,5-	1	2.0 U	2.0 U	2.0 U	2.0 U	9.8 U	**14**	2.0 U	**0.33 J**	**0.33 J**	**0.98 J**	**13**	2.0 U	**0.28 J**	2.0 U
Trimethylpentane, 2,2,4-	2	1.9 U	1.9 U	1.9 U	1.9 U	9.3 U	0.93 U	1.9 U	0.93 U	0.93 U	1.9 U	0.93 UJ	1.9 U	0.93 U	1.9 U
Undecane, n-	2.3	2.6 U	2.6 U	2.6 U	2.6 U	13 U	**19**	2.6 U	**3.5**	**3.0**	**6.8**	**20**	**1.8 J**	**5.8**	2.6 U
Vinyl bromide	NE	1.8 U	1.8 U	1.8 U	1.8 U	8.7 U	0.87 U	1.8 U	0.87 U	0.87 U	1.8 U	0.87 U	1.8 U	0.87 U	1.8 U
Vinyl chloride	<0.25	1.0 U	1.0 U	1.0 U	1.0 U	5.1 U	0.51 U	1.0 U	0.51 U	0.51 U	1.0 U	**0.43 J**	1.0 U	0.51 U	1.0 U
Other (%)															
Carbon Dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NE	0.0167 U	0.0156 U	0.017 U	0.0198 U	0.0278 U	**0.061**	0.017 U	0.0181 U	0.0183 U	0.0158 U	0.018 U	0.0168 U	**0.088**	**0.069**

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OZSG-01 2/19/2008	OZSG-01 3/17/2008	OZSG-01 3/21/2008	OZSG-01 6/25/2008	OZSG-01 12/31/2008	OZSG-01 3/26/2009	OZSG-02 2/19/2008	OZSG-02 3/17/2008	OZSG-02 6/25/2008	OZSG-02 12/31/2008	Duplicate of OZSG-02 12/31/2008	OZSG-02 3/24/2009	OZSG-03 2/21/2007	OZSG-03 2/19/2008	OZSG-03 3/17/2008
BTEX (ug/m^3)																
Benzene	5.8	**0.22 J**	**1.2 J**	**0.21 J**	**2.2 J**	**2.8**	**1.1**	**0.26 J**	**0.20 J**	**0.16 J**	**0.20 J**	0.64 U	0.64 U	**1.0 J**	0.64 U	**0.23 J**
Toluene	21	**15**	**7.8**	**2.2**	**1.8**	**1.6**	**0.95**	**6.6**	**5.2**	**4.7**	**0.71 J**	**0.53 J**	**0.30 J**	**6.6**	**4.6**	**3.9**
Ethylbenzene	1.9	**0.35 J**	**22**	**1.6**	**0.35 J**	**0.25 J**	0.87 U	**0.35 J**	**0.82 J**	**0.22 J**	0.87 U	0.87 U	0.87 U	**2.5**	0.87 U	**0.83 J**
Xylene, m,p-	3.1	**1.1 J**	**4.9 J**	**0.83 J**	**0.48 J**	**0.40 J**	1.7 U	**0.87 J**	**2.6**	**0.65 J**	**0.47 J**	**0.36 J**	1.7 U	**7.2**	**0.56 J**	**2.8**
Xylene, o-	2.5	**0.39 J**	**1.5 J**	0.87 U	**0.22 J**	0.87 U	0.87 U	**0.43 J**	**0.87**	0.87 U	**0.26 J**	0.87 U	0.87 U	**2.9**	**0.22 J**	**1.3**
Other VOCs (ug/m^3)																
Acetaldehyde	NE	**1.6 J**	22 U	**7.2 J**	**120 J**	**43 J**	**38**	**1.7 J**	4.5 U	**17**	**3.5 J**	4.5 UJ	2.1 U	**0.55 J**	**2.1 J**	4.5 U
Acetone	58	**2.5 J**	5.9 U	1.2 U	**91**	**23**	**31**	**1.7**	1.2 U	**7.7**	2.6 U	1.5 U	1.8 U	**12**	**3.7 J**	1.2 U
Acrolein (propenal)	NE	0.46 U	5.7 U	1.2 U	**3.2**	**1.4**	**1.5**	0.46 U	1.2 U	**0.64**	0.46 U	0.46 U	0.46 U	0.93 U	0.46 U	1.2 U
Allyl chloride	NE	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	0.63 U	0.63 U	0.63 U	1.3 U	0.63 U	0.63 U
Benzothiophene	NE	1.1 UJ	5.5 U	1.1 U	1.1 U	1.1 UJ	14 UJ	1.1 UJ	1.1 U	1.1 U	1.1 UJ	1.1 UJ	2.7 U	11 UJ	1.1 UJ	1.1 U
Bromodichloromethane	NE	1.3 U	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	1.3 U	1.3 U	2.7 U	1.3 U	**3.0**
Bromoform	NE	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	2.1 U	2.1 U	2.1 U	4.2 U	2.1 U	2.1 U
Bromomethane	0.9	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	0.78 U	0.78 U	0.78 U	1.6 U	0.78 U	0.78 U
Butadiene, 1,3-	NE	0.44 U	2.2 U	0.44 U	**3.6**	**2.5**	**1.0**	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.90 U	0.44 U	0.44 U
Butane	NE	**0.62**	**83**	**12**	**5.8**	**2.3**	**1.4**	**0.43 J**	**27**	**0.40 J**	**0.63**	0.48 U	0.48 U	**3.1**	0.48 U	**4.5**
Butanone, 2-	17	**0.62**	3.0 U	**0.34 J**	**13**	**5.1**	**7.4**	**0.44 J**	**1.2**	**9.6**	0.59 U	0.59 U	0.59 U	**0.90 J**	**26**	**1.0**
Carbon disulfide	NE	**0.22 J**	3.1 U	**0.26 J**	1.3 U	**0.92**	1.3 U	**0.59 J**	0.65 U	0.93 U	0.62 U	0.62 U	0.62 U	1.3 U	0.62 U	0.62 U
Carbon tetrachloride	1	1.3 U	6.3 U	**0.38 J**	1.3 U	**0.32 J**	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	2.6 U	**0.41 J**	**0.63 J**
Chlorobenzene	<0.25	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	0.92 U	0.92 U	0.92 U	1.9 U	0.92 U	0.92 U
Chloroethane	0.4	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	0.53 U	0.53 U	0.53 U	1.1 U	0.53 U	**0.42 J**
Chloroform	0.5	**0.93 J**	4.9 U	**1.4**	**0.78 J**	0.98 U	0.98 U	0.98 U	0.98 U	**0.24 J**	0.98 U	0.98 U	0.98 U	2.0 U	**2.9**	**40**
Chloromethane	4.6	0.41 U	2.1 U	0.41 U	**0.21 J**	0.41 U	**0.17 J**	0.41 U	0.41 U	**0.37 J**	0.41 U	**0.13 J**	0.41 U	**0.25 J**	0.41 U	0.41 U
Chlorotoluene, 2-	NE	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	1.0 U	1.0 U	1.0 U	2.1 U	1.0 U	1.0 U
Cryofluorane	1.3	1.4 U	7.0 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
Cyclohexane	3	**0.21 J**	**1300**	**220**	0.69 U	0.69 U	0.69 U	0.69 U	**22**	0.69 U	0.69 U	0.69 U	0.69 U	1.4 U	0.69 U	**10**
Decane, n-	3.6	**5.4**	**7.6**	**3.7**	**0.41 J**	1.2 U	**1.0 J**	**2.8**	**9.2**	**3.1**	**0.85 J**	**0.71 J**	1.2 U	**1.4 J**	**3.3**	**10**
Dibromochloromethane	NE	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	1.7 U	1.7 U	1.7 U	3.5 U	1.7 U	1.7 U
Dibromoethane, 1,2-	<0.25	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	1.5 U	1.5 U	1.5 U	3.1 U	1.5 U	1.5 U
Dichlorobenzene, 1,2-	0.9	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	1.2 U	1.2 U	1.2 U	2.4 U	1.2 U	1.2 U
Dichlorobenzene, 1,3-	0.7	**1.3**	**3.3 J**	**1.4**	1.2 U	1.2 U	1.2 U	**1.0 J**	**3.2**	**0.66 J**	1.2 U	1.2 U	1.2 U	2.4 U	**1.2**	**3.5**
Dichlorobenzene, 1,4-	0.8	1.2 U	6.0 U	1.2 U	**0.48 J**	1.2 U	1.2 U	1.2 U	**0.39 J**	1.2 U	1.2 U	1.2 U	1.2 U	2.4 U	1.2 U	**0.38 J**
Dichlorodifluoromethane	11	**2.0**	**1.5 J**	**2.0**	**0.79 J**	**2.1**	**2.8**	**1.3**	**1.8**	**1.6**	**2.0**	**2.0**	**2.1**	**16**	**3.0**	**8.9**
Dichloroethane, 1,1-	<0.25	0.81 U	4.0 U	**0.34 J**	**7.3**	0.81 U	**0.39 J**	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	1.6 U	0.81 U	**0.26 J**
Dichloroethane, 1,2-	<0.25	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	0.81 U	0.81 U	0.81 UJ	1.6 U	0.81 U	0.81 U
Dichloroethene, 1,1-	<0.25	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	0.79 U	0.79 U	0.79 U	1.6 U	0.79 U	**0.21 J**
Dichloroethene, cis-1,2-	<0.25	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	0.79 U	0.79 U	0.79 U	1.6 U	0.79 U	0.79 U
Dichloropropane, 1,2-	<0.25	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	0.92 U	0.92 U	0.92 U	1.9 U	0.92 U	0.92 U
Dichloropropene, cis-1,3	<0.25	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	0.91 U	0.91 U	0.91 U	1.8 U	0.91 U	0.91 U
Dichloropropene, trans-1,3	<0.25	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	0.91 U	0.91 U	0.91 U	1.8 U	0.91 U	0.91 U
Dioxane, 1,4-	NE	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	0.72 U	0.72 U	0.72 U	3.6 U	0.72 U	0.72 U
Dodecane, n-	7.6	**1.0 J**	**2.3 J**	**5.1**	**0.49 J**	**0.40 J**	**2.8**	**0.70 J**	**2.1**	**5.8 J**	**0.88 J**	**1.1 J**	3.5 U	**2.5 J**	**0.85 J**	**2.6**
Ethanol	220	**2.8**	**18**	**3.4 J**	**3.4**	**1.8 J**	**1.4 J**	**1.5 J**	**11**	**2.5**	**5.9**	**4.4**	**2.2 J**	**20**	**1.6 J**	**11**
Ethylthiophene, 2-	NE	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	0.92 U	0.92 U	0.92 U	1.9 U	0.92 U	0.92 U
Ethyltoluene, p-	NE	0.98 U	4.9 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	**0.46 J**	0.98 U	0.98 U	0.98 U	0.98 U	**0.70 J**	0.98 U	**0.60 J**
Heptane, n-	5.1	**2.9**	**3.3 J**	0.82 U	**0.49 J**	**0.45 J**	**0.47 J**	**1.2**	**1.4**	0.82 U	0.82 U	0.82 U	**0.90**	**0.5 J**	**0.92**	**1.3**
Hexachlorobutadiene	7	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	2.1 U	2.1 U	2.1 U	4.3 UJ	2.1 U	2.1 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OZSG-01 2/19/2008	OZSG-01 3/17/2008	OZSG-01 3/21/2008	OZSG-01 6/25/2008	OZSG-01 12/31/2008	OZSG-01 3/26/2009	OZSG-02 2/19/2008	OZSG-02 3/17/2008	OZSG-02 6/25/2008	OZSG-02 12/31/2008	Duplicate of OZSG-02 12/31/2008	OZSG-02 3/24/2009	OZSG-03 2/21/2007	OZSG-03 2/19/2008	OZSG-03 3/17/2008
Hexane, n-	3.6	0.70 U	**270**	**28**	**0.81 J**	**0.74**	**0.43 J**	0.70 U	**1.4**	0.70 UJ	0.70 U	0.70 U	0.70 U	**2.2**	0.70 U	**0.45 J**
Hexanone, 2-	NE	0.82 U	4.1 U	0.82 U	**1.6**	0.82 U	**0.74 J**	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	2.0 U	4.2 U	0.82 U	0.82 U
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	0.97 U	4.8 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	**0.27 J**	0.97 U	0.97 U	0.97 U	0.97 U	**1.3 J**	0.97 U	**0.39 J**
Indene	NE	0.95 U	4.8 U	0.95 U	**0.57 J**	**0.42 J**	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
Isopropyl benzene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	5.9	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	0.72 U	0.72 U	0.72 U	1.5 U	0.72 U	0.72 U
Methyl-2-pentanone, 4-	2.9	0.82 U	4.1 U	0.82 U	**1.5**	**0.59 J**	**1.9**	0.82 U	0.82 U	0.82 U	0.82 U	**0.38 J**	0.82 U	**0.83 J**	0.82 U	0.82 U
Methylene chloride	2.9	**0.31 J**	8.5 U	**0.30 J**	1.7 U	1.7 U	1.7 U	**0.28 J**	1.7 U	6.7 U	1.7 U	1.7 U	1.7 U	**25**	**0.31 J**	1.7 U
Methylnaphthalene, 1-	NE	1.2 UJ	5.8 U	1.2 U	2.9 U	R	5.8 U	1.2 UJ	1.2 U	2.9 U	R	R	2.9 UJ	30 U	1.2 UJ	1.2 U
Methylnaphthalene, 2-	NE	1.2 UJ	5.8 U	1.2 U	2.9 U	14 UJ	5.8 U	1.2 UJ	1.2 U	2.9 U	14 UJ	14 UJ	2.9 UJ	30 U	1.2 UJ	1.2 U
Methylthiophene, 2-	NE	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	0.80 U	0.80 U	0.80 U	1.6 U	0.80 U	0.80 U
Methylthiophene, 3-	NE	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	0.80 U	0.80 U	0.80 U	1.6 U	0.80 U	0.80 U
Naphthalene	10	1.0 U	5.2 U	1.0 U	1.0 U	1.0 UJ	1.0 U	**0.37 J**	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U	5.3 U	1.0 U	1.0 U
Nonane	1.2	**0.52 J**	**2.0 J**	1.0 U	1.0 U	1.0 U	**0.30 J**	**0.42 J**	**0.80 J**	1.0 U	1.0 U	1.0 U	1.0 U	**1.4 J**	**0.30 J**	**1.1**
Octane, n-	2.1	**2.8**	**66**	**1.2**	0.93 U	0.93 U	**0.48 J**	**1.4**	**80**	**1.9**	**0.33 J**	**0.30 J**	0.93 U	**0.76 J**	**0.95**	**64**
Pentane	NE	0.59 U	**170**	**17**	**1.9**	**1.7**	**0.83**	**0.32 J**	**12**	**0.38 J**	**0.81**	0.59 U	0.59 U	**0.78 J**	0.59 U	**3.7**
Propanol, 2-	NE	0.49 U	**6.0 J**	1.2 U	1.9 UJ	**0.95 J**	0.49 UJ	0.49 U	5.5 j	1.2 UJ	0.49 UJ	0.49 UJ	1.2 UJ	**1.0**	0.49 U	**3.8 J**
Propylbenzene, n-	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.6	0.85 U	4.3 U	0.85 U	**0.43 J**	**0.29 J**	**0.22 J**	0.85 U	**0.27 J**	0.85 U	0.85 U	0.85 U	0.85 U	1.7 U	0.85 U	**0.34 J**
t-Butyl alcohol	NE	0.61 U	3.0 U	0.61 U	**0.76**	0.61 U	**1.2**	0.61 U	0.61 U	**0.39 J**	0.61 U	0.61 U	0.61 U	1.2 U	0.61 U	0.61 U
Tetrachloroethane, 1,1,2,2-	<0.25	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	1.4 U	1.4 U	1.4 U	2.8 U	1.4 U	1.4 U
Tetrachloroethene	1.6	**0.95 J**	**9.8**	**4.2**	**57**	**16**	**30**	**3.9**	**5.8**	**5.5**	**1.2 J**	**1.1 J**	**1.2 J**	**0.96 J**	**1.0 J**	**4.4**
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	**0.27 J**	5.5 U	1.1 U	1.1 U	1.1 U	5.5 U	**0.27 J**	**0.33 J**	1.1 U	1.1 U	1.1 U	2.7 U	2.2 U	1.1 U	1.1 U
Thiophene	NE	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	0.69 U	0.69 U	0.69 U	1.4 U	0.69 U	0.69 U
Trans-1,2-dichloroethene	NE	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	0.79 U	0.79 U	0.79 U	1.6 U	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	**0.54 J**	7.7 U	1.5 U	1.5 U	**0.44 J**	1.5 U	**0.54 J**	**0.39 J**	1.5 U	1.5 U	1.5 U	1.5 U	3.1 U	**0.57 J**	**0.80 J**
Trichlorobenzene, 1,2,4-	4.8	1.5 U	7.4 U	1.5 U	1.5 U	1.5 UJ	1.5 U	1.5 U	1.5 U	1.5 U	1.5 UJ	1.5 UJ	1.5 U	3.0 UJ	1.5 U	1.5 U
Trichloroethane, 1,1,1-	0.7	1.1 U	**2.2 J**	**1.2**	**14**	**2.2**	**3.3**	1.1 U	**0.32 J**	**7.2**	**2.1**	**1.8**	**1.7**	2.2 U	1.1 U	**0.29 J**
Trichloroethane, 1,1,2-	<0.25	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	1.1 U	1.1 U	1.1 U	2.2 U	1.1 U	1.1 U
Trichloroethene	0.5	1.1 U	5.4 U	**1.5**	**0.64 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	2.2 U	1.1 U	1.1 U
Trichlorofluoromethane	6.1	**2.2**	**1.7 J**	**1.2**	**4.0**	**1.6**	**0.70 J**	**1.4**	**1.8**	**3.0**	**2.1**	**2.1**	**1.1**	**1.9 J**	**1.1**	**1.8**
Trimethylbenzene, 1,2,3-	0.6	**0.84 J**	**1.8 J**	0.98 U	0.98 U	0.98 U	0.98 U	**0.69 J**	**1.5**	**0.29 J**	0.98 U	0.98 U	0.98 U	**2.1**	**0.65 J**	**2.0**
Trimethylbenzene, 1,2,4-	2.5	**0.34 J**	4.9 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	**0.53 J**	0.98 U	0.98 U	0.98 U	0.98 U	**4.2**	0.98 U	**0.67 J**
Trimethylbenzene, 1,3,5-	1	**0.34 J**	4.9 U	0.98 U	0.98 U	0.98 U	0.98 U	**0.34 J**	**0.54 J**	0.98 U	0.98 U	0.98 U	0.98 U	**1.1 J**	**0.26 J**	**1.0**
Trimethylpentane, 2,2,4-	2	0.93 U	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	0.93 U	0.93 U	1.9 U	0.93 U	0.93 U
Undecane, n-	2.3	**1.0 J**	**1.7 J**	**2.0**	**2.6**	1.3 U	**5.5**	**0.57 J**	**1.7**	**3.2**	**0.58 J**	**0.57 J**	1.3 U	**1.6 J**	**0.80 J**	**1.6**
Vinyl bromide	NE	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	0.87 U	0.87 U	0.87 U	1.8 U	0.87 U	0.87 U
Vinyl chloride	<0.25	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	0.51 U	0.51 U	0.51 U	1.0 U	0.51 U	0.51 U
Other (%)																
Carbon Dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NE	NA	NA	NA	NA	**0.0154**	0.0218 U	NA	NA	NA	**0.0161**	**0.0163**	0.0208 U	NA	NA	NA

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OZSG-03 3/21/2008	OZSG-03 6/25/2008	OZSG-03 12/31/2008	OZSG-03 3/24/2009	OZSG-03 6/25/2009	Duplicate of OZSG-03 6/25/2009	OZSG-04 2/19/2008	OZSG-04 3/17/2008	OZSG-04 3/21/2008	OZSG-04 6/25/2008	OZSG-04 12/31/2008	OZSG-04 3/26/2009	OZSG-05 2/19/2008	OZSG-05 3/17/2008	OZSG-05 3/21/2008
BTEX (ug/m^3)																
Benzene	5.8	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**	**4.0 J**	**1.8**	**5.9**	0.64 U	0.64 U	0.64 U
Toluene	21	**1.4**	3.8 U	**0.72 J**	**0.30 J**	**0.30 J**	**0.30 J**	**8.5**	**3.6**	**1.0**	**3.6 J**	**1.2**	**3.9**	**13**	**3.7**	**1.0**
Ethylbenzene	1.9	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**	4.3 U	**0.23 J**	**0.69 J**	**0.35 J**	**0.60 J**	0.87 U
Xylene, m,p-	3.1	**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**	8.7 U	**0.33 J**	**1.0 J**	**1.1 J**	**2.0**	**0.45 J**
Xylene, o-	2.5	**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**	4.3 U	0.87 U	**0.52 J**	**0.39 J**	**0.71 J**	0.87 U
Other VOCs (ug/m^3)																
Acetaldehyde	NE	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**	**230**	**130**	**120**	**2.4 J**	**5.2**	**5.4**
Acetone	58	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	**170**	**45**	**64**	**2.3**	4.8 U	2.3 U
Acrolein (propenal)	NE	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	**3.4**	**2.0**	**3.3**	0.46 U	1.2 U	1.2 U
Allyl chloride	NE	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	3.1 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
Benzothiophene	NE	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	5.5 U	1.1 UJ	14 UJ	1.1 UJ	1.1 U	1.1 U
Bromodichloromethane	NE	**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	6.7 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	NE	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	10 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	0.9	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	3.9 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
Butadiene, 1,3-	NE	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	**5.6**	**5.4**	**7.0**	0.44 U	0.44 U	0.44 U
Butane	NE	**0.74**	**41**	**66**	**7.7**	**0.12 J**	**0.17 J**	**0.74**	**160**	**180**	**14**	**7.0**	**6.2**	**0.78**	0.48 U	0.48 U
Butanone, 2-	17	**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**	**31**	**8.6**	**15**	**2.1**	**32**	**0.36 J**
Carbon disulfide	NE	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**	4.8 U	**2.8**	**1.7**	0.62 U	0.62 U	0.62 U
Carbon tetrachloride	1	**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	6.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Chlorobenzene	<0.25	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	4.6 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Chloroethane	0.4	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	2.6 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U
Chloroform	0.5	**44**	**130**	**1.1**	**0.44 J**	**0.93 J**	**0.78 J**	0.98 U	0.98 U	0.98 U	4.9 U	0.98 U	0.98 U	0.98 U	**0.36 J**	0.98 U
Chloromethane	4.6	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**	2.1 U	0.41 U	**0.19 J**	0.41 U	**0.27 J**	0.41 U
Chlorotoluene, 2-	NE	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	5.2 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cryofluorane	1.3	1.4 U	7.0 U	1.4 U	1.4 U	1.4 U	1.4 U	**2.0**	**1.5**	**1.1 J**	7.0 U	**2.3**	**1.2 J**	1.4 U	1.4 U	1.4 U
Cyclohexane	3	**1.5**	**250**	**180**	**12**	0.69 U	0.69 U	0.69 U	**0.32 J**	**0.27 J**	3.4 U	**0.26 J**	**0.22 J**	0.69 U	0.69 U	0.69 U
Decane, n-	3.6	1.2 UJ	5.8 U	1.2 U	1.2 U	**0.87 J**	**0.35 J**	**2.0**	**8.0**	**3.0**	5.8 U	**0.75 J**	**0.69 J**	**4.7**	**12**	**2.5**
Dibromochloromethane	NE	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	8.5 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dibromoethane, 1,2-	<0.25	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	7.7 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Dichlorobenzene, 1,2-	0.9	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	6.0 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,3-	0.7	**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**	6.0 U	1.2 U	1.2 U	**0.66 J**	**4.6**	**0.41 J**
Dichlorobenzene, 1,4-	0.8	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	6.0 U	1.2 U	1.2 U	1.2 U	**0.43 J**	1.2 U
Dichlorodifluoromethane	11	**5.8**	**5.9**	**6.2**	**4.5**	**19**	**19**	**5.2**	**4.7**	**4.1**	**4.4 J**	**3.4**	**4.1**	**2.3**	**2.4**	**2.1**
Dichloroethane, 1,1-	<0.25	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	4.0 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethane, 1,2-	<0.25	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	4.0 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethene, 1,1-	<0.25	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	4.0 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	4.0 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
Dichloropropane, 1,2-	<0.25	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	4.6 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	4.5 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	<0.25	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	4.5 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dioxane, 1,4-	NE	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	3.6 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Dodecane, n-	7.6	**5.2**	**5.6 J**	1.4 UJ	3.5 U	**3.7 J**	**1.1 J**	**1.3 J**	**2.1**	**2.5**	7.0 UJ	**0.55 J**	**0.77 J**	**1.5**	**5.1**	**24**
Ethanol	220	**2.5 J**	**3.1 J**	**3.9**	**2.9 J**	**2.4**	**2.2**	**1.8 J**	**9.9**	**8.9**	**4.9 J**	**77**	**2.1**	**2.2**	**6.5**	**4.7 J**
Ethylthiophene, 2-	NE	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	4.6 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Ethyltoluene, p-	NE	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	4.9 U	0.98 U	0.98 U	**0.25 J**	**0.41 J**	0.98 U
Heptane, n-	5.1	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	4.1 U	**0.93**	**1.6**	**2.1**	**0.79 J**	0.82 U
Hexachlorobutadiene	7	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	11 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OZSG-03 3/21/2008	OZSG-03 6/25/2008	OZSG-03 12/31/2008	OZSG-03 3/24/2009	OZSG-03 6/25/2009	Duplicate of OZSG-03 6/25/2009	OZSG-04 2/19/2008	OZSG-04 3/17/2008	OZSG-04 3/21/2008	OZSG-04 6/25/2008	OZSG-04 12/31/2008	OZSG-04 3/26/2009	OZSG-05 2/19/2008	OZSG-05 3/17/2008	OZSG-05 3/21/2008
Hexane, n-	3.6	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	**2.5 J**	**1.3**	**1.7**	0.70 U	0.70 U	0.70 U
Hexanone, 2-	NE	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	**3.5 J**	0.82 U	**2.4**	0.82 U	0.82 U	0.82 U
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	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	4.8 U	0.97 U	0.97 U	0.97 U	**0.33 J**	0.97 U
Indene	NE	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	4.8 U	0.95 U	**0.95**	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	NA	NA
Methyl tert-butyl ether	5.9	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	3.6 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	4.1 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	**4.1**	**1.7**	**1.8**	0.82 U	0.82 U	0.82 U
Methylene chloride	2.9	**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**	8.5 U	1.7 U	1.7 U	**0.45 J**	1.7 U	**0.32 J**
Methylnaphthalene, 1-	NE	1.2 U	14 U	R	2.9 UJ	1.2 U	1.2 U	1.2 UJ	1.2 U	1.2 U	14 U	R	5.8 U	1.2 UJ	1.2 U	1.2 U
Methylnaphthalene, 2-	NE	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	14 U	14 UJ	5.8 U	1.2 UJ	1.2 U	1.2 U
Methylthiophene, 2-	NE	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	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Methylthiophene, 3-	NE	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	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Naphthalene	10	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	5.2 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U
Nonane	1.2	**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**	5.2 U	**0.50 J**	**0.93 J**	**0.63 J**	**0.86 J**	1.0 U
Octane, n-	2.1	**0.81 J**	4.7 U	0.93 U	0.93 U	0.93 U	**0.23 J**	**1.6**	**60**	**1.5**	4.7 U	**0.66 J**	**1.4**	**2.5**	**52**	**0.68 J**
Pentane	NE	**0.44 J**	**64**	**67**	**5.7**	0.59 U	0.59 U	**0.62**	**40**	**27**	**5.8**	**2.7**	**3.2**	0.59 U	0.59 U	**0.27 J**
Propanol, 2-	NE	1.2 U	6.1 UJ	0.49 UJ	1.2 UJ	1.2 U	1.2 U	**45**	**28 J**	1.2 UJ	6.1 UJ	0.49 UJ	0.49 UJ	0.49 U	**2.0 J**	**0.73 J**
Propylbenzene, n-	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.6	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	4.3 U	0.85 U	**0.60 J**	0.85 U	**0.22 J**	0.85 U
t-Butyl alcohol	NE	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**	**4.7**	**0.68 J**	**0.84**	0.61 U	**0.27 J**	**0.26 J**
Tetrachloroethane, 1,1,2,2-	<0.25	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	6.9 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Tetrachloroethene	1.6	**1.6**	**12**	**37**	**24**	**53**	**51**	**12**	**9.2**	**4.4**	**16**	**4.7**	**5.7**	**1.2 J**	**3.5**	**1.2 J**
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	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	5.5 U	1.1 U	5.5 U	1.1 U	1.1 U	1.1 U
Thiophene	NE	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	3.4 U	0.69 U	**0.42 J**	0.69 U	0.69 U	0.69 U
Trans-1,2-dichloroethene	NE	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	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-	3.6	**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**	7.7 U	1.5 U	**0.39 J**	**0.54 J**	**0.82 J**	**0.51 J**
Trichlorobenzene, 1,2,4-	4.8	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	7.4 U	1.5 UJ	1.5 U	1.5 U	1.5 U	1.5 U
Trichloroethane, 1,1,1-	0.7	1.1 U	**6.5**	**1.8**	**1.5**	**1.7**	**1.7**	**2.3**	**2.1**	**2.4**	**5.2 J**	**3.0**	**2.1**	**1.8**	**1.2**	**1.1 J**
Trichloroethane, 1,1,2-	<0.25	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	5.4 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethene	0.5	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	5.4 U	**0.39 J**	1.1 U	1.1 U	1.1 U	1.1 U
Trichlorofluoromethane	6.1	**1.1 J**	**3.6 J**	**1.5**	**0.95 J**	**5.1**	**5.0**	**7.2**	**7.4**	**6.2**	**22**	**12**	**11**	**1.5**	**1.6**	**1.1**
Trimethylbenzene, 1,2,3-	0.6	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**	4.9 U	0.98 U	0.98 U	**0.84 J**	**1.9**	**0.34 J**
Trimethylbenzene, 1,2,4-	2.5	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	4.9 U	0.98 U	0.98 U	**0.25 J**	**0.50 J**	0.98 U
Trimethylbenzene, 1,3,5-	1	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	4.9 U	0.98 U	0.98 U	**0.34 J**	**0.67 J**	0.98 U
Trimethylpentane, 2,2,4-	2	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	4.7 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U
Undecane, n-	2.3	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**	**7.4**	**1.0 J**	**0.65 J**	**0.96 J**	**2.4**	**7.3**
Vinyl bromide	NE	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	4.4 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl chloride	<0.25	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	2.6 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Other (%)																
Carbon Dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NE	NA	NA	**0.0189**	0.0157 U	0.0203	0.0176	NA	NA	NA	NA	**0.0151**	0.0172 U	NA	NA	NA

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OZSG-05 6/25/2008	OZSG-05 12/31/2008	OZSG-05 3/26/2009	OZ-SV01 10/23/2009	OZ-SV01 10/29/2009	OZ-SV01 11/2/2009	OZ-SV01 11/6/2009	OZ-SV01 11/9/2009	OZ-SV01 11/16/2009	OZ-SV01 11/23/2009	OZSV-01 12/4/2009	OZ-SV01 12/11/2009	OZ-SV01 12/17/2009	Duplicate of: OZ-SV01 12/17/2009
BTEX (ug/m^3)															
Benzene	5.8	**2.8**	**1.4**	**3.5**	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
Toluene	21	**7.3**	**1.2**	**3.1**	1.5 U	**0.53 J**	1.5 U	**0.53 J**	1.5 U	1.5 U	1.5 U	**0.68 J**	1.5 U	1.5 U	1.5 U
Ethylbenzene	1.9	**0.52 J**	0.87 U	**0.67 J**	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
Xylene, m,p-	3.1	**1.0 J**	**0.30 J**	**0.93 J**	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
Xylene, o-	2.5	**0.26 J**	0.87 U	**0.53 J**	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
Other VOCs (ug/m^3)															
Acetaldehyde	NE	**32**	**55 J**	**94**	**5.2 J**	9.0 U	9.0 U	9.0 U	9.0 U	**7.5 J**	9.0 U	3.8 U	3.6 U	3.6 U	3.6 U
Acetone	58	**47**	**20**	**73**	6.5 U	3.6 U	**1.7 J**	**1.8 J**	**2.7 J**	**2.0 J**	3.6 U	4.8 U	4.8 U	4.8 U	4.8 U
Acrolein (propenal)	NE	**1.3**	**1.3**	**2.5**	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U
Allyl chloride	NE	0.63 U	0.63 U	0.63 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
Benzothiophene	NE	1.1 U	1.1 UJ	14 UJ	2.2 U	2.2 UJ	2.2 UJ	2.2 UJ	2.2 UJ	2.2 UJ	2.2 UJ	2.2 U	2.2 U	2.2 U	2.2 U
Bromodichloromethane	NE	1.3 U	1.3 U	1.3 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
Bromoform	NE	2.1 U	2.1 U	2.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 UJ	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U
Bromomethane	0.9	0.78 U	0.78 U	0.78 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Butadiene, 1,3-	NE	**0.38 J**	**2.3**	**7.6**	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U
Butane	NE	**3.1**	**3.4**	**7.5**	0.95 U	0.95 U	0.95 U	**1.6**	**0.90 J**	0.95 U	0.95 U	**0.86 J**	0.95 U	0.95 U	0.95 U
Butanone, 2-	17	**6.0**	**4.3**	**17**	**0.47 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
Carbon disulfide	NE	1.3 U	**2.1**	**3.4**	1.2 U	1.2 U	1.2 U	1.2 U	**0.50 J**	1.2 U	1.6 U	1.2 U	1.2 U	1.2 U	1.2 U
Carbon tetrachloride	1	1.3 U	**0.41 J**	1.3 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chlorobenzene	<0.25	0.92 U	0.92 U	0.92 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Chloroethane	0.4	0.53 U	0.53 U	0.53 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
Chloroform	0.5	**1.4**	**0.27 J**	0.98 U	**5.0 J**	**8.8**	**5.5**	**3.6**	**2.6**	**2.9**	**2.0**	**1.5 J**	**1.1 J**	**0.88 J**	**0.78 J**
Chloromethane	4.6	**0.17 J**	0.41 U	**0.50**	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U
Chlorotoluene, 2-	NE	1.0 U	1.0 U	1.0 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	2.1 U	2.1 U
Cryofluorane	1.3	1.4 U	1.4 U	1.4 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U
Cyclohexane	3	0.69 U	**0.38 J**	0.69 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
Decane, n-	3.6	1.2 U	**0.31 J**	**0.38 J**	2.3 U	2.3 U	2.3 U	**0.70 J**	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U
Dibromochloromethane	NE	1.7 U	1.7 U	1.7 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U
Dibromoethane, 1,2-	<0.25	1.5 U	1.5 U	1.5 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Dichlorobenzene, 1,2-	0.9	1.2 U	1.2 U	1.2 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U
Dichlorobenzene, 1,3-	0.7	1.2 U	1.2 U	1.2 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U
Dichlorobenzene, 1,4-	0.8	**0.48 J**	1.2 U	1.2 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U
Dichlorodifluoromethane	11	**2.8**	**2.5**	**2.4**	**2.0 J**	**2.2**	**2.4**	**2.3**	**2.1**	**1.4 J**	**1.3 J**	**0.79 J**	**0.69 J**	**0.59 J**	**0.69 J**
Dichloroethane, 1,1-	<0.25	**2.1**	**0.41 J**	0.81 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Dichloroethane, 1,2-	<0.25	0.81 U	0.81 U	0.81 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Dichloroethene, 1,1-	<0.25	0.79 U	0.79 U	0.79 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Dichloroethene, cis-1,2-	<0.25	**0.52 J**	0.79 U	0.79 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Dichloropropane, 1,2-	<0.25	0.92 U	0.92 U	0.92 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Dichloropropene, cis-1,3	<0.25	0.91 U	0.91 U	0.91 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Dichloropropene, trans-1,3	<0.25	0.91 U	0.91 U	0.91 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Dioxane, 1,4-	NE	0.72 U	0.72 U	0.72 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
Dodecane, n-	7.6	**2.0 J**	**0.86 J**	**0.38 J**	**2.1 J**	2.8 U	**0.70 J**	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U
Ethanol	220	**0.68 J**	**5.3**	**3.2**	**1.5 J**	3.8 U	3.8 U	**2.0 J**	**2.3 J**	3.8 U	3.8 U	**12**	3.8 U	3.8 U	3.8 U
Ethylthiophene, 2-	NE	0.92 U	0.92 U	0.92 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Ethyltoluene, p-	NE	0.98 U	0.98 U	0.98 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Heptane, n-	5.1	0.82 U	**1.0**	**1.4**	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Hexachlorobutadiene	7	2.1 U	2.1 U	2.1 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 UJ	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OZSG-05 6/25/2008	OZSG-05 12/31/2008	OZSG-05 3/26/2009	OZ-SV01 10/23/2009	OZ-SV01 10/29/2009	OZ-SV01 11/2/2009	OZ-SV01 11/6/2009	OZ-SV01 11/9/2009	OZ-SV01 11/16/2009	OZ-SV01 11/23/2009	OZSV-01 12/4/2009	OZ-SV01 12/11/2009	OZ-SV01 12/17/2009	Duplicate of: OZ-SV01 12/17/2009
Hexane, n-	3.6	0.70 UJ	**1.5**	**1.8**	1.4 U	1.4 U	1.4 U	1.4 U	**0.42 J**	1.4 U	1.4 U	**0.35 J**	1.4 U	1.4 U	1.4 U
Hexanone, 2-	NE	0.82 U	**0.63 J**	**1.0**	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	0.97 U	0.97 U	0.97 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 UJ	1.9 U	1.9 U	1.9 U
Indene	NE	0.95 U	0.95 U	**1.2**	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 UJ	1.9 UJ	1.9 UJ	1.9 UJ
Isopropyl benzene	0.4	NA	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	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
Methyl-2-pentanone, 4-	2.9	0.82 U	0.82 U	**1.2**	**2.3 J**	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Methylene chloride	2.9	**1.7 J**	1.7 U	1.7 U	3.5 U	3.5 U	3.5 U	**1.1 J**	3.5 U	3.5 U	3.4 U	3.5 U	3.5 U	3.5 U	3.5 U
Methylnaphthalene, 1-	NE	2.9 U	R	5.8 U	2.3 UJ	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 UJ	2.3 UJ	2.3 U	2.3 U
Methylnaphthalene, 2-	NE	2.9 U	14 UJ	5.8 U	2.3 U	2.3 UJ	2.3 UJ	2.3 UJ	2.3 UJ	2.3 UJ	2.3 UJ	2.3 UJ	2.3 U	2.3 U	2.3 U
Methylthiophene, 2-	NE	0.80 U	0.80 U	0.80 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Methylthiophene, 3-	NE	0.80 U	0.80 U	0.80 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Naphthalene	10	1.0 U	1.0 UJ	1.0 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	2.1 U	2.1 U
Nonane	1.2	1.0 U	**0.58 J**	**0.70 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	2.1 U	2.1 U	2.1 U
Octane, n-	2.1	0.93 U	**0.58 J**	**1.1**	1.9 U	1.9 U	1.9 U	**0.65 J**	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Pentane	NE	**1.5**	**2.5**	**3.6**	1.2 U	1.2 U	1.2 U	1.2 U	**0.71 J**	1.2 U	1.2 U	**0.94 J**	1.2 U	1.2 U	**0.77 J**
Propanol, 2-	NE	1.4 UJ	**1.4 J**	1.1 U	2.4 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	3.3 U	2.4 U	2.4 U	2.4 U
Propylbenzene, n-	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.6	0.85 U	0.85 U	**0.72 J**	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
t-Butyl alcohol	NE	**0.48 J**	**0.50 J**	**0.85**	**3.8 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
Tetrachloroethane, 1,1,2,2-	<0.25	1.4 U	1.4 U	1.4 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
Tetrachloroethene	1.6	**35**	**5.7**	**14**	**12**	**14**	**14**	**9.9**	**12**	**14**	**15**	**11**	**8.4**	**9.2**	**8.3**
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	1.1 U	1.1 U	5.5 U	2.2 U	2.2 UJ	2.2 UJ	2.2 UJ	2.2 UJ	2.2 UJ	2.2 UJ	2.2 U	2.2 U	2.2 U	2.2 U
Thiophene	NE	0.69 U	0.69 U	**0.42 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
Trans-1,2-dichloroethene	NE	0.79 U	0.79 U	0.79 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	**0.61 J**	**0.53 J**	1.5 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Trichlorobenzene, 1,2,4-	4.8	1.5 U	1.5 UJ	1.5 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 UJ	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Trichloroethane, 1,1,1-	0.7	**11**	**2.8**	1.1 U	**0.87 J**	**0.87 J**	**0.76 J**	**0.65 J**	**0.87 J**	**1.2 J**	**1.7 J**	**2.5**	**2.2**	**2.9**	**2.7**
Trichloroethane, 1,1,2-	<0.25	1.1 U	1.1 U	1.1 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
Trichloroethene	0.5	**0.43 J**	1.1 U	1.1 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
Trichlorofluoromethane	6.1	**4.4**	**1.9**	**0.82 J**	**0.56 J**	**0.56 J**	**1.0 J**	**0.90 J**	**0.90 J**	**0.56 J**	**0.79 J**	**0.67 J**	**0.67 J**	2.2 U	**0.67 J**
Trimethylbenzene, 1,2,3-	0.6	0.98 U	0.98 U	0.98 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 U
Trimethylbenzene, 1,2,4-	2.5	0.98 U	0.98 U	0.98 U	2.0 U	2.0 U	2.0 U	**0.69 J**	2.0 UJ	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Trimethylbenzene, 1,3,5-	1	0.98 U	0.98 U	0.98 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Trimethylpentane, 2,2,4-	2	0.93 U	0.93 U	0.93 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Undecane, n-	2.3	1.3 U	**0.37 J**	**0.40 J**	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
Vinyl bromide	NE	0.87 U	0.87 U	0.87 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Vinyl chloride	<0.25	0.51 U	0.51 U	0.51 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
Other (%)															
Carbon Dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NE	NA	**0.019**	0.0198 U	0.00378 U	0.00331 U	**0.025**	0.0164 U	0.0164 U	0.0164 U	0.017 U	0.0168 U	0.0174 U	0.016 U	0.0167 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OZSV-01 12/22/2009	OZ-SV01 1/12/2010	OZ-SV01 2/25/2010	OZ-SV01 3/24/2010	OZSV-01 4/15/2010	OZSV-01 5/17/2010	OZSV-01 6/22/2010	OZSV-01 7/27/2010	OZSV-01 8/30/2010	OZSV-01 9/16/2010	OZ-SV02 10/23/2009	Duplicate of: OZ-SV02 10/23/2009	OZ-SV02 10/29/2009	OZ-SV02 11/2/2009	OZ-SV02 11/6/2009
BTEX (ug/m^3)																
Benzene	5.8	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	**0.34 J**	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Toluene	21	1.5 U	1.5 U	1.5 U	1.5 U	**0.45 J**	**3.8**	**0.79 J**	**1.0 J**	**4.0**	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Ethylbenzene	1.9	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	**1.9**	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Xylene, m,p-	3.1	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	**1.1 J**	**6.9**	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
Xylene, o-	2.5	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**	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Other VOCs (ug/m^3)																
Acetaldehyde	NE	**4.2**	9.0 U	9.0 U	**5.5 J**	**14**	**9.6 J**	**6.2 J**	**22 J**	**23**	**6.4 J**	**8.0**	**5.6**	9.0 U	9.0 U	9.0 U
Acetone	58	4.8 U	3.6 U	**1.5 J**	**2.8 J**	**8.2**	**5.7 J**	**3.7 J**	**9.2 J**	**14**	**4.6 JB**	8.1 U	6.7 U	3.6 U	**2.2 J**	**2.2 J**
Acrolein (propenal)	NE	2.3 U	2.3 U	2.3 UJ	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U
Allyl chloride	NE	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
Benzothiophene	NE	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	5.5 U	2.2 U	5.5 U	5.5 U	5.5 U	2.2 U	2.2 U	2.2 UJ	2.2 UJ	2.2 UJ
Bromodichloromethane	NE	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	**1.6 J**	**1.3 J**	2.7 U	2.7 U	2.7 U
Bromoform	NE	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U
Bromomethane	0.9	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Butadiene, 1,3-	NE	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U
Butane	NE	**0.38 J**	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	**1.0**
Butanone, 2-	17	1.2 U	1.2 U	**0.71 J**	1.2 U	**1.6**	**1.8**	1.2 U	**1.1 J**	**5.7**	**0.41 J**	**0.94 J**	1.2 U	1.2 U	1.2 U	1.2 U
Carbon disulfide	NE	1.2 U	1.2 U	1.2 U	**0.37 J**	**0.68 J**	1.2 U	1.2 U	**0.72 J**	**0.39 JB**	1.2 U	**0.50 J**	**0.50 J**	1.2 U	1.2 U	1.2 U
Carbon tetrachloride	1	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chlorobenzene	<0.25	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Chloroethane	0.4	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
Chloroform	0.5	**0.49 J**	2.0 U	**0.78 J**	**0.98 J**	**1.1 J**	**1.3 J**	**5.4**	**8.0**	**4.8**	**3.6**	**13**	**13**	**5.5**	**4.1**	**4.0**
Chloromethane	4.6	0.83 U	0.83 U	0.83 U	0.83 U	**0.58 J**	0.83 U	0.83 U	**0.52 J**	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U
Chlorotoluene, 2-	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	2.1 U	2.1 U
Cryofluorane	1.3	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U
Cyclohexane	3	1.4 U	1.4 U	1.4 U	1.4 U	1.4 UJ	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
Decane, n-	3.6	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	**3.9**	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U
Dibromochloromethane	NE	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	**1.0 J**	**1.4 J**	3.4 U	3.4 U	3.4 U
Dibromoethane, 1,2-	<0.25	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Dichlorobenzene, 1,2-	0.9	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U
Dichlorobenzene, 1,3-	0.7	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	**28**	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U
Dichlorobenzene, 1,4-	0.8	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U
Dichlorodifluoromethane	11	**0.89 J**	2.0 U	2.0 U	**0.59 J**	**0.79 J**	**0.99 J**	**0.77 J**	**0.68 J**	**0.74 J**	**0.69 J**	**2.4**	**2.3**	**2.3**	**2.2**	**2.3**
Dichloroethane, 1,1-	<0.25	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	**0.76 J**	**0.76 J**	**0.55 J**	**0.49 J**	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Dichloroethane, 1,2-	<0.25	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Dichloroethene, 1,1-	<0.25	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Dichloroethene, cis-1,2-	<0.25	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Dichloropropane, 1,2-	<0.25	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Dichloropropene, cis-1,3	<0.25	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Dichloropropene, trans-1,3	<0.25	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Dioxane, 1,4-	NE	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
Dodecane, n-	7.6	2.8 UJ	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	**3.0**	**1.2 J**	**8.2**	**0.97 J**	2.8 U	**0.84 J**	**0.97 J**	**0.70 J**	2.8 U
Ethanol	220	**1.2 J**	3.8 U	3.8 U	**1.5 J**	**2.1 J**	**3.4 J**	**1.2 J**	**2.5 J**	**100**	**1.4 J**	3.8 U	**1.0 J**	3.8 U	3.8 U	**1.2 J**
Ethylthiophene, 2-	NE	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Ethyltoluene, p-	NE	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**1.7 J**	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Heptane, n-	5.1	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	**0.78 J**	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Hexachlorobutadiene	7	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OZSV-01 12/22/2009	OZ-SV01 1/12/2010	OZ-SV01 2/25/2010	OZ-SV01 3/24/2010	OZSV-01 4/15/2010	OZSV-01 5/17/2010	OZSV-01 6/22/2010	OZSV-01 7/27/2010	OZSV-01 8/30/2010	OZSV-01 9/16/2010	OZ-SV02 10/23/2009	Duplicate of: OZ-SV02 10/23/2009	OZ-SV02 10/29/2009	OZ-SV02 11/2/2009	OZ-SV02 11/6/2009
Hexane, n-	3.6	1.4 U	1.4 U	1.4 U	1.4 U	1.4 UJ	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
Hexanone, 2-	NE	1.6 U	1.6 U	1.6 U	1.6 U	1.6 UJ	1.6 U	1.6 U	1.6 U	**0.50 J**	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	1.9 UJ	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	**2.3**	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Indene	NE	1.9 UJ	1.9 U	1.9 U	1.9 U	1.9 U	1.9 UJ	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Isopropyl benzene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	5.9	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
Methyl-2-pentanone, 4-	2.9	1.6 U	1.6 U	1.6 U	1.6 U	1.6 UJ	1.6 U	1.6 U	1.6 U	**0.97 J**	1.6 U	**3.1**	**3.9**	**0.90 J**	**0.74 J**	1.6 U
Methylene chloride	2.9	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	4.4 U	**2.8 J**	7.0 U	**3.9**	**5.8 JB**	3.5 U	3.5 U	**0.97 J**	3.5 U	**1.0 J**
Methylnaphthalene, 1-	NE	2.3 U	2.3 U	2.3 U	2.3 U	5.8 U	5.8 UJ	5.8 U	12 U	5.8 U	5.8 U	2.3 UJ	2.3 UJ	2.3 U	2.3 U	2.3 U
Methylnaphthalene, 2-	NE	2.3 U	2.3 U	2.3 U	2.3 U	5.8 U	5.8 U	5.8 U	12 U	**1.1 J**	5.8 U	2.3 U	2.3 U	2.3 UJ	2.3 UJ	2.3 UJ
Methylthiophene, 2-	NE	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Methylthiophene, 3-	NE	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Naphthalene	10	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	**2.4 J**	**2.1 J**	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Nonane	1.2	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	**1.7 J**	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Octane, n-	2.1	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	**0.68 J**	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Pentane	NE	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	**77**	1.2 U	**0.73 J**	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Propanol, 2-	NE	2.4 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	**280**	2.5 U	2.4 U	2.4 U	2.5 U	2.5 U	2.5 U
Propylbenzene, n-	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.6	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	**0.46 J**	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
t-Butyl alcohol	NE	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	**0.68 J**	**0.56 J**	1.2 U	**3.1**	**3.9**	**0.36 J**	1.2 U	1.2 U
Tetrachloroethane, 1,1,2,2-	<0.25	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
Tetrachloroethene	1.6	**4.9**	**5.3**	**8.8**	**12**	**13**	**11**	**21**	**18**	**9.6**	**11**	**39**	**42**	**37**	**46**	**24**
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	**1.2 J**	2.2 U	2.2 U	2.2 U	2.2 UJ	2.2 UJ	2.2 UJ
Thiophene	NE	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
Trans-1,2-dichloroethene	NE	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Trichlorobenzene, 1,2,4-	4.8	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	**2.4 J**	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Trichloroethane, 1,1,1-	0.7	**2.5**	**4.2**	**8.8**	**8.0**	**7.5**	**7.5**	**11**	**8.7**	**6.2**	**5.9**	**3.4**	**3.4**	**2.1 J**	**2.3**	**1.1 J**
Trichloroethane, 1,1,2-	<0.25	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
Trichloroethene	0.5	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	**1.1 JB**	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
Trichlorofluoromethane	6.1	**0.67 J**	2.2 U	2.2 U	2.2 U	2.2 U	**0.67 J**	**0.77 J**	**1.2 J**	**1.0 J**	**0.67 J**	**0.79 J**	**0.79 J**	**0.79 J**	**0.67 J**	**1.5 J**
Trimethylbenzene, 1,2,3-	0.6	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**3.5**	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Trimethylbenzene, 1,2,4-	2.5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**9.6**	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Trimethylbenzene, 1,3,5-	1	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**2.1**	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Trimethylpentane, 2,2,4-	2	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	**1.6 J**	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Undecane, n-	2.3	2.6 U	**0.64 J**	2.6 U	2.6 U	2.6 U	**1.0 J**	2.6 U	2.6 U	**5.0**	2.6 U	2.6 U	2.6 U	**1.3 J**	2.6 U	2.6 U
Vinyl bromide	NE	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Vinyl chloride	<0.25	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
Other (%)																
Carbon Dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NE	0.0176 U	0.0177 U	0.0159 U	0.0162 U	0.0144 U	NA	0.016 U	0.0184 U	0.0292 U	0.0199 U	0.00311 U	0.00318 U	0.00331 U	0.0181 U	0.0158 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	Duplicate of: OZ-SV02 11/6/2009	OZ-SV02 11/9/2009	OZ-SV02 11/16/2009	OZ-SV02 11/23/2009	Duplicate of: OZ-SV02 11/23/2009	OZSV-02 12/4/2009	OZ-SV02 12/11/2009	OZ-SV02 12/17/2009	OZSV-02 12/22/2009	OZ-SV02 1/12/2010	OZ-SV02 2/25/2010	Duplicate of: OZ-SV02 2/25/2010	OZ-SV02 3/24/2010	OZSV-02 4/15/2010
BTEX (ug/m^3)															
Benzene	5.8	1.3 U	**0.77 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	0.64 U	1.3 U	**2.8 J**
Toluene	21	1.5 U	**1.3 J**	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	**0.68 J**	1.5 U	**0.41 J**	1.5 U	**8.3 J**
Ethylbenzene	1.9	1.7 U	**3.0**	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	0.87 U	1.7 U	1.7 U
Xylene, m,p-	3.1	3.5 U	**10**	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	1.7 U	3.5 U	**1.3 J**
Xylene, o-	2.5	1.7 U	**4.6**	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	0.87 U	1.7 U	1.7 U
Other VOCs (ug/m^3)															
Acetaldehyde	NE	9.0 U	9.0 U	9.0 U	9.0 U	9.0 U	3.6 U	3.6 U	3.6 U	**3.7**	9.0 U	9.0 U	4.5 U	9.0 U	**5.7 J**
Acetone	58	**2.5 J**	3.6 UJ	**1.8 J**	3.6 U	3.6 U	4.8 U	4.8 U	4.8 U	4.8 U	3.6 U	**1.7 J**	**2.5 J**	**2.5 J**	**2.8 J**
Acrolein (propenal)	NE	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 UJ	1.2 UJ	2.3 U	2.3 U
Allyl chloride	NE	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	0.63 U	1.2 U	1.2 U
Benzothiophene	NE	2.2 UJ	2.2 UJ	2.2 UJ	2.2 UJ	2.2 UJ	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	1.1 U	2.2 U	2.2 U
Bromodichloromethane	NE	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	1.3 U	2.7 U	2.7 U
Bromoform	NE	4.1 U	4.1 U	4.1 UJ	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	2.1 U	4.1 U	4.1 U
Bromomethane	0.9	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.78 U	1.6 U	1.6 U
Butadiene, 1,3-	NE	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.44 U	0.88 U	0.88 U
Butane	NE	**1.0**	**6.8**	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	0.48 U	0.95 U	**5.2 J**
Butanone, 2-	17	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	0.59 U	1.2 U	1.2 U
Carbon disulfide	NE	**0.37 J**	**0.56 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	**0.19 J**	**0.37 J**	1.2 U
Carbon tetrachloride	1	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1.3 U	2.5 U	2.5 U
Chlorobenzene	<0.25	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.92 U	1.8 U	1.8 U
Chloroethane	0.4	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	0.53 U	1.0 U	1.0 U
Chloroform	0.5	**4.3**	**1.5 J**	**2.6**	**2.2**	**2.4**	**1.6 J**	**1.1 J**	**0.78 J**	**0.78 J**	2.0 U	**0.59 J**	**1.1**	**0.88 J**	**1.1 J**
Chloromethane	4.6	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.41 U	0.83 U	0.83 U
Chlorotoluene, 2-	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	1.0 U	2.1 U	2.1 U
Cryofluorane	1.3	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	1.4 U	2.8 U	2.8 U
Cyclohexane	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	0.69 U	1.4 U	1.4 UJ
Decane, n-	3.6	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	1.2 U	2.3 U	2.3 U
Dibromochloromethane	NE	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	1.7 U	3.4 U	3.4 U
Dibromoethane, 1,2-	<0.25	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	1.5 U	3.1 U	3.1 U
Dichlorobenzene, 1,2-	0.9	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	1.2 U	2.4 U	2.4 U
Dichlorobenzene, 1,3-	0.7	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	1.2 U	2.4 U	2.4 U
Dichlorobenzene, 1,4-	0.8	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	1.2 U	2.4 U	2.4 U
Dichlorodifluoromethane	11	**2.6**	**3.3**	**2.0**	**1.5 J**	**1.4 J**	**0.59 J**	**0.59 J**	2.0 U	**0.59 J**	2.0 U	2.0 U	**0.54 J**	**0.69 J**	**2.4**
Dichloroethane, 1,1-	<0.25	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	**0.49 J**	1.6 U	**0.32 J**	**0.65 J**	1.6 U
Dichloroethane, 1,2-	<0.25	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.81 U	1.6 U	1.6 U
Dichloroethene, 1,1-	<0.25	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.79 U	1.6 U	1.6 U
Dichloroethene, cis-1,2-	<0.25	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.79 U	1.6 U	1.6 U
Dichloropropane, 1,2-	<0.25	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.92 U	1.8 U	1.8 U
Dichloropropene, cis-1,3	<0.25	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.91 U	1.8 U	1.8 U
Dichloropropene, trans-1,3	<0.25	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.91 U	1.8 U	1.8 U
Dioxane, 1,4-	NE	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	0.72 U	1.4 U	1.4 U
Dodecane, n-	7.6	2.8 U	2.8 U	2.8 U	**0.84 J**	2.8 U	2.8 U	**0.70 J**	2.8 U	2.8 UJ	2.8 U	2.8 U	1.4 UJ	**3.3**	2.8 U
Ethanol	220	**1.1 J**	3.8 U	**1.1 J**	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	**0.98 J**	**4.9**	**1.2 J**	**20 J**	**1.1 J**	**1.0 J**
Ethylthiophene, 2-	NE	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.92 U	1.8 U	1.8 U
Ethyltoluene, p-	NE	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.98 U	2.0 U	2.0 U
Heptane, n-	5.1	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.82 U	1.6 U	1.6 U
Hexachlorobutadiene	7	4.3 U	4.3 U	4.3 UJ	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	2.1 U	4.3 U	4.3 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: **Sample Date:**	NYSDOH Background Outdoor Air 95th Percentile[1]	Duplicate of: OZ-SV02 11/6/2009	OZ-SV02 11/9/2009	OZ-SV02 11/16/2009	OZ-SV02 11/23/2009	Duplicate of: OZ-SV02 11/23/2009	OZSV-02 12/4/2009	OZ-SV02 12/11/2009	OZ-SV02 12/17/2009	OZSV-02 12/22/2009	OZ-SV02 1/12/2010	OZ-SV02 2/25/2010	Duplicate of: OZ-SV02 2/25/2010	OZ-SV02 3/24/2010	OZSV-02 4/15/2010
Hexane, n-	3.6	1.4 U	**0.56 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	0.70 U	1.4 U	**0.35 J**
Hexanone, 2-	NE	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.82 U	1.6 U	1.6 UJ
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 UJ	1.9 U	1.9 U	1.9 UJ	1.9 U	1.9 U	0.97 U	1.9 U	1.9 U
Indene	NE	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 UJ	1.9 UJ	1.9 UJ	1.9 UJ	1.9 U	1.9 U	0.95 U	1.9 U	1.9 U
Isopropyl benzene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	5.9	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	0.72 U	1.4 U	1.4 U
Methyl-2-pentanone, 4-	2.9	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.82 U	1.6 U	1.6 UJ
Methylene chloride	2.9	3.5 U	**1.4 J**	3.5 U	3.4 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	**0.59 J**	3.5 U	3.5 U
Methylnaphthalene, 1-	NE	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 UJ	2.3 UJ	2.3 U	2.3 U	2.3 U	2.3 U	1.2 UJ	2.3 U	5.8 U
Methylnaphthalene, 2-	NE	2.3 UJ	2.3 UJ	2.3 UJ	2.3 UJ	2.3 UJ	2.3 UJ	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	1.2 UJ	2.3 U	5.8 U
Methylthiophene, 2-	NE	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.80 U	1.6 U	1.6 U
Methylthiophene, 3-	NE	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.80 U	1.6 U	1.6 U
Naphthalene	10	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	1.0 U	2.1 U	2.1 U
Nonane	1.2	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	1.0 U	2.1 U	2.1 U
Octane, n-	2.1	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	0.93 U	1.9 U	1.9 U
Pentane	NE	1.2 U	**3.2**	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	0.59 U	1.2 U	**1.6**
Propanol, 2-	NE	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.4 U	2.4 U	2.4 U	2.4 U	2.5 U	2.5 U	1.2 UJ	2.5 U	2.5 U
Propylbenzene, n-	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.6	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	0.85 U	1.7 U	1.7 U
t-Butyl alcohol	NE	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	0.61 U	1.2 U	1.2 U
Tetrachloroethane, 1,1,2,2-	<0.25	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	1.4 U	2.7 U	2.7 U
Tetrachloroethene	1.6	**24**	**7.6**	**26**	**38**	**38**	**35**	**25**	**27**	**24**	**9.6**	**15**	**15**	**30**	**13**
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	2.2 UJ	2.2 UJ	2.2 UJ	2.2 UJ	2.2 UJ	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	1.1 U	2.2 U	2.2 U
Thiophene	NE	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	**0.41 J**	1.4 U	0.69 U	1.4 U	1.4 U
Trans-1,2-dichloroethene	NE	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.79 U	1.6 U	1.6 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	1.5 U	3.1 U	3.1 U
Trichlorobenzene, 1,2,4-	4.8	3.0 U	3.0 U	3.0 UJ	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	1.5 U	3.0 U	3.0 U
Trichloroethane, 1,1,1-	0.7	**1.1 J**	2.2 U	**1.6 J**	**2.5**	**2.4**	**2.5**	**2.5**	**2.8**	**3.0**	**3.0**	**3.8**	**3.5**	**4.2**	**1.2 J**
Trichloroethane, 1,1,2-	<0.25	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	1.1 U	2.2 U	2.2 U
Trichloroethene	0.5	2.2 U	**0.75 J**	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	1.1 U	2.2 U	2.2 U
Trichlorofluoromethane	6.1	**1.6 J**	**1.9 J**	**1.2 J**	**0.79 J**	**0.79 J**	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	**0.51 J**	2.2 U	**1.9 J**
Trimethylbenzene, 1,2,3-	0.6	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U	0.98 U	2.0 U	2.0 U
Trimethylbenzene, 1,2,4-	2.5	2.0 U	2.0 UJ	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.98 U	2.0 U	2.0 U
Trimethylbenzene, 1,3,5-	1	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.98 U	2.0 U	2.0 U
Trimethylpentane, 2,2,4-	2	1.9 U	**1.5 J**	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	0.93 U	1.9 U	1.9 U
Undecane, n-	2.3	2.6 U	**0.77 J**	2.6 U	2.6 U	2.6 U	2.6 U	**0.77 J**	2.6 U	2.6 U	2.6 U	2.6 U	1.3 U	**2.4 J**	2.6 U
Vinyl bromide	NE	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.87 U	1.8 U	1.8 U
Vinyl chloride	<0.25	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	0.51 U	1.0 U	1.0 U
Other (%)															
Carbon Dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NE	0.0166 U	0.0151 U	0.0157 U	0.0168 U	0.0174 U	0.0145 U	0.0164 U	0.0152 U	0.0139 U	0.0163 U	0.0148 U	0.0196 U	0.017 U	0.0179 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	Duplicate of: OZSV-02 4/15/2010	OZSV-02 5/17/2010	OZSV-02 6/22/2010	Duplicate of: OZSV-02 6/22/2010	OZSV-02 7/27/2010	OZSV-02 8/30/2010	OZSV-02 9/16/2010	Duplicate of: OZSV-02 9/16/2010	OZ-SV03 10/23/2009	OZ-SV03 10/29/2009	OZ-SV03 11/2/2009	OZ-SV03 11/6/2009	OZ-SV03 11/9/2009	OZ-SV03 11/16/2009
BTEX (ug/m^3)															
Benzene	5.8	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	**0.38 J**	**0.32 J**	1.3 U
Toluene	21	1.5 UJ	1.5 U	1.5 U	**0.38 J**	**1.3 J**	**1.5**	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	**1.0 J**	1.5 U	1.5 U
Ethylbenzene	1.9	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
Xylene, m,p-	3.1	3.5 UJ	3.5 U	3.5 U	3.5 U	**1.9 J**	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
Xylene, o-	2.5	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
Other VOCs (ug/m^3)															
Acetaldehyde	NE	**6.0 J**	**7.7 J**	**17**	**8.2 J**	**72 J**	**15**	**9.6**	**9.4**	3.6 UJ	9.0 UJ	9.0 UJ	9.0 UJ	9.0 UJ	9.0 U
Acetone	58	**2.2 J**	**2.8 J**	**4.3 J**	**4.0 J**	**23**	**12**	**5.5 JB**	**5.9 JB**	4.9 U	3.6 UJ	3.6 UJ	3.6 UJ	3.6 UJ	3.6 U
Acrolein (propenal)	NE	2.3 U	2.3 U	2.3 U	2.3 U	**3.0**	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U
Allyl chloride	NE	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
Benzothiophene	NE	2.2 U	5.5 U	2.2 U	2.2 U	5.5 U	5.5 U	5.5 U	5.5 U	2.2 U	2.2 UJ	2.2 UJ	2.2 UJ	2.2 UJ	2.2 UJ
Bromodichloromethane	NE	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	**110**	**82**	**99**	**52**	**64**	**87**
Bromoform	NE	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	**2.3 J**	**2.9 J**	**2.7 J**	4.1 U	4.1 U	**1.6 J**
Bromomethane	0.9	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Butadiene, 1,3-	NE	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U
Butane	NE	0.95 UJ	**0.38 J**	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	**3.3**	**2.3**	**1.8**	**1.6**	**2.7**	**2.4**
Butanone, 2-	17	1.2 U	1.2 U	**0.55 J**	**0.68 J**	**4.7**	**1.2 J**	**0.47 J**	**0.71 J**	1.2 U	**2.6**	1.2 U	1.2 U	1.2 U	1.2 U
Carbon disulfide	NE	**0.44 J**	1.2 U	**0.50 J**	**1.1 J**	**2.4**	1.2 U	**1.3**	1.2 U	**0.50 J**	1.2 U	1.2 U	**0.50 J**	**0.56 J**	0.62 U
Carbon tetrachloride	1	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	**3.9**	**2.8**	**2.6**	**1.3 J**	**2.3 J**	**2.6**
Chlorobenzene	<0.25	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Chloroethane	0.4	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	**2.0**	**2.4**	**1.3**	**2.0**	**1.4**
Chloroform	0.5	**1.2 J**	**2.0**	**12**	**12**	**12**	**3.8**	**2.9**	**2.8**	**460**	**580**	**640**	**380**	**610**	**690**
Chloromethane	4.6	0.83 U	0.83 U	0.83 U	0.83 U	**2.0**	0.83 U	0.83 U	0.83 U	0.83 U	**0.25 J**	**0.25 J**	**0.33 J**	0.83 U	0.83 U
Chlorotoluene, 2-	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	2.1 U
Cryofluorane	1.3	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U
Cyclohexane	3	1.4 UJ	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
Decane, n-	3.6	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U
Dibromochloromethane	NE	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	**27**	**28**	**31**	**13**	**16**	**21**
Dibromoethane, 1,2-	<0.25	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Dichlorobenzene, 1,2-	0.9	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U
Dichlorobenzene, 1,3-	0.7	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U
Dichlorobenzene, 1,4-	0.8	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U
Dichlorodifluoromethane	11	**2.3**	**2.2**	**2.2**	**2.4**	**2.7**	**1.3 J**	**0.99 J**	**0.79 J**	**3.2**	**2.4**	**2.1**	**2.4**	**1.7 J**	**1.7 J**
Dichloroethane, 1,1-	<0.25	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	**1.3 J**	**1.6**	**2.8**	**1.5 J**	**1.9**	**1.0 J**
Dichloroethane, 1,2-	<0.25	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Dichloroethene, 1,1-	<0.25	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	**0.48 J**	1.6 U	**0.40 J**	1.6 U	**0.48 J**	1.6 U
Dichloroethene, cis-1,2-	<0.25	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Dichloropropane, 1,2-	<0.25	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Dichloropropene, cis-1,3	<0.25	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Dichloropropene, trans-1,3	<0.25	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Dioxane, 1,4-	NE	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
Dodecane, n-	7.6	2.8 U	2.8 U	**1.2 J**	**0.86 J**	**0.81 J**	**2.2 J**	2.8 U	2.8 U	**0.70 J**	2.8 U	**1.2 J**	**0.84 J**	**2.4 J**	**0.97 J**
Ethanol	220	3.8 U	**2.4 J**	**1.7 J**	**1.5 J**	**5.3**	**10**	**1.8 J**	**1.5 J**	3.8 U	**4.0**	**0.98 J**	**5.5**	**1.7 J**	**2.4 J**
Ethylthiophene, 2-	NE	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Ethyltoluene, p-	NE	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Heptane, n-	5.1	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	**0.98 J**	1.6 U	1.6 U
Hexachlorobutadiene	7	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 UJ

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	Duplicate of: OZSV-02 4/15/2010	OZSV-02 5/17/2010	OZSV-02 6/22/2010	Duplicate of: OZSV-02 6/22/2010	OZSV-02 7/27/2010	OZSV-02 8/30/2010	OZSV-02 9/16/2010	Duplicate of: OZSV-02 9/16/2010	OZ-SV03 10/23/2009	OZ-SV03 10/29/2009	OZ-SV03 11/2/2009	OZ-SV03 11/6/2009	OZ-SV03 11/9/2009	OZ-SV03 11/16/2009
Hexane, n-	3.6	1.4 UJ	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	**0.63 J**	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Hexanone, 2-	NE	1.6 UJ	1.6 U	1.6 U	1.6 U	1.6 U	**0.49 J**	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Indene	NE	1.9 U	1.9 UJ	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Isopropyl benzene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	5.9	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
Methyl-2-pentanone, 4-	2.9	1.6 UJ	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Methylene chloride	2.9	3.5 U	3.4 U	**1.8 J**	6.9 U	7.0 U	**1.0 JB**	**3.7 JB**	**3.7 JB**	**0.97 J**	**1.0 J**	**1.1 J**	**1.2 J**	**1.0 J**	**1.0 J**
Methylnaphthalene, 1-	NE	5.8 U	5.8 UJ	5.8 U	5.8 U	12 U	5.8 U	5.8 U	5.8 U	2.3 UJ	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U
Methylnaphthalene, 2-	NE	5.8 U	5.8 U	5.8 U	5.8 U	12 U	**0.67 J**	5.8 U	5.8 U	2.3 U	2.3 UJ	2.3 UJ	2.3 UJ	2.3 UJ	2.3 UJ
Methylthiophene, 2-	NE	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Methylthiophene, 3-	NE	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Naphthalene	10	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	**0.89 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
Nonane	1.2	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
Octane, n-	2.1	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Pentane	NE	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	**0.77 J**	**0.35 J**	1.2 U	1.2 U	**0.35 J**	1.2 U
Propanol, 2-	NE	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	**2.6**	2.5 U	2.5 U	2.4 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Propylbenzene, n-	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.6	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	**1.4 J**	1.7 U	1.7 U
t-Butyl alcohol	NE	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	**0.42 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
Tetrachloroethane, 1,1,2,2-	<0.25	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
Tetrachloroethene	1.6	**14**	**12**	**19**	**18**	**19**	**23**	**27**	**26**	**8.7**	**14**	**18**	**8.1**	**14**	**15**
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 UJ	2.2 UJ	2.2 UJ	2.2 UJ	2.2 UJ
Thiophene	NE	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
Trans-1,2-dichloroethene	NE	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Trichlorobenzene, 1,2,4-	4.8	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 UJ
Trichloroethane, 1,1,1-	0.7	**1.2 J**	**1.5 J**	**1.2 J**	**1.1 J**	**1.1 J**	**3.9**	**4.7**	**5.8**	**0.87 J**	**1.5 J**	**2.6**	**1.2 J**	**1.8 J**	**2.0 J**
Trichloroethane, 1,1,2-	<0.25	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
Trichloroethene	0.5	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	**0.86 J**	2.2 U	2.2 U	2.2 U
Trichlorofluoromethane	6.1	**1.9 J**	**1.6 J**	**2.1 J**	**2.1 J**	**2.7**	**0.99 J**	**0.79 J**	**0.67 J**	2.2 U	**0.56 J**	2.2 U	**1.4 J**	2.2 U	2.2 U
Trimethylbenzene, 1,2,3-	0.6	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Trimethylbenzene, 1,2,4-	2.5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**0.55 J**	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 UJ
Trimethylbenzene, 1,3,5-	1	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Trimethylpentane, 2,2,4-	2	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Undecane, n-	2.3	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	**0.89 J**	2.6 U	2.6 U	**0.64 J**	2.6 U	**0.89 J**	**0.64 J**	**1.8 J**	2.6 U
Vinyl bromide	NE	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Vinyl chloride	<0.25	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
Other (%)															
Carbon Dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NE	0.0162 U	NA	0.0183 U	0.0165 U	0.0168 U	0.018 U	0.019 U	**0.0172**	0.00346 U	0.00301 U	0.0145 U	0.0147 U	0.0169 U	0.0163 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OZ-SV03 11/23/2009	OZSV-03 12/4/2009	OZ-SV03 12/11/2009	OZ-SV03 12/17/2009	OZSV-03 12/22/2009	OZ-SV03 1/12/2010	OZ-SV03 2/25/2010	OZ-SV03 3/24/2010	OZSV-03 4/15/2010	OZSV-03 5/17/2010	OZSV-03 6/22/2010	OZSV-03 7/27/2010	OZSV-03 8/30/2010	OZSV-03 9/16/2010
BTEX (ug/m^3)															
Benzene	5.8	**0.38 J**	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	**0.45 J**	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Toluene	21	**2.9**	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	**0.80 J**	**2.2**	1.5 U
Ethylbenzene	1.9	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	**1.0 J**	1.7 U
Xylene, m,p-	3.1	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	**1.0 J**	**3.6**	3.5 U
Xylene, o-	2.5	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 J**	1.7 U
Other VOCs (ug/m^3)															
Acetaldehyde	NE	9.0 U	3.6 U	3.6 U	3.6 U	3.6 U	9.0 U	9.0 U	9.0 U	**6.1 J**	**6.5 J**	**15 J**	**7.4 J**	**31**	**7.1 J**
Acetone	58	3.6 UJ	4.8 U	4.8 U	4.8 U	4.8 U	3.6 UJ	3.6 UJ	**1.6 J**	**1.9 J**	**2.2 J**	**4.6 J**	**19**	**14**	**5.3 JB**
Acrolein (propenal)	NE	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 UJ	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	**0.74 J**	2.3 U
Allyl chloride	NE	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
Benzothiophene	NE	2.2 UJ	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	5.5 U	2.2 U	5.5 U	5.5 U	5.5 U
Bromodichloromethane	NE	**68**	**60**	**43**	**52**	**50**	**64**	**190**	**120**	**55**	**34**	**22**	**16**	**6.9**	**5.4**
Bromoform	NE	**1.2 J**	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	**1.6 J**	**2.9 J**	**1.6 J**	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U
Bromomethane	0.9	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Butadiene, 1,3-	NE	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U
Butane	NE	**2.6**	**2.7**	**2.6**	**34**	**52**	**25**	**3.6**	**1.5**	**1.2**	**0.95**	**0.43 J**	**0.32 J**	0.95 U	0.95 U
Butanone, 2-	17	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	**0.73 J**	1.2 U	**3.0**	**0.53 J**
Carbon disulfide	NE	1.2 U	**0.37 J**	1.2 U	**0.50 J**	**0.50 J**	1.2 U	1.2 U	**0.56 J**	**0.50 J**	**0.31 J**	**0.62 J**	**0.53 J**	**0.56 JB**	**0.37 J**
Carbon tetrachloride	1	**1.5 J**	**1.6 J**	**1.0 J**	**2.5**	**2.8**	**2.6**	**1.0 J**	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chlorobenzene	<0.25	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Chloroethane	0.4	**1.8**	**1.5**	**1.0 J**	**2.2**	**2.7**	**2.3**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	0.5	**440**	**440**	**250**	**530**	**430**	**440**	**1300**	**790**	**600**	**410**	**390**	**350**	**190**	**150**
Chloromethane	4.6	0.83 U	0.83 U	0.83 U	0.91 U	**1.2**	**0.58 J**	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U
Chlorotoluene, 2-	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	2.1 U
Cryofluorane	1.3	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U
Cyclohexane	3	**0.34 J**	1.4 U	1.4 U	**0.83 J**	**0.83 J**	**1.1 J**	1.4 U	1.4 U	1.4 UJ	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Decane, n-	3.6	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	**2.3 J**	2.3 U
Dibromochloromethane	NE	**19**	**14**	**11**	**10**	**11**	**7.8**	**37**	**37**	**18**	**6.6**	**3.9**	**2.0 J**	3.4 U	3.4 U
Dibromoethane, 1,2-	<0.25	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Dichlorobenzene, 1,2-	0.9	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U
Dichlorobenzene, 1,3-	0.7	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	**13**	2.4 U
Dichlorobenzene, 1,4-	0.8	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U
Dichlorodifluoromethane	11	**1.5 J**	**0.89 J**	**1.9 J**	**1.1 J**	**1.4 J**	**0.89 J**	**1.2 J**	**1.5 J**	**1.2 J**	**1.2 J**	**1.7 J**	**2.3**	**3.4**	**3.8**
Dichloroethane, 1,1-	<0.25	**1.5 J**	**2.7**	**1.9**	**0.89 J**	**0.57 J**	**0.89 J**	**0.89 J**	**1.0 J**	**0.81 J**	**1.0 J**	**1.3 J**	**1.0 J**	**0.79 J**	**0.73 J**
Dichloroethane, 1,2-	<0.25	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Dichloroethene, 1,1-	<0.25	1.6 U	**0.40 J**	1.6 U	**0.79 J**	**0.63 J**	**0.79 J**	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Dichloroethene, cis-1,2-	<0.25	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Dichloropropane, 1,2-	<0.25	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Dichloropropene, cis-1,3	<0.25	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Dichloropropene, trans-1,3	<0.25	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Dioxane, 1,4-	NE	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
Dodecane, n-	7.6	**0.84 J**	2.8 U	2.8 U	2.8 U	2.8 UJ	2.8 U	2.8 U	**2.2 J**	2.8 U	2.8 U	**1.0 J**	**0.75 J**	**4.5**	**1.4 J**
Ethanol	220	**6.2**	3.8 U	**1.2 J**	3.8 U	**1.7 J**	**0.94 J**	**3.1 J**	**1.2 J**	3.8 U	**1.4 J**	**2.0 J**	**1.8 J**	**43**	**1.4 J**
Ethylthiophene, 2-	NE	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Ethyltoluene, p-	NE	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**0.87 J**	2.0 U
Heptane, n-	5.1	**0.82 J**	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Hexachlorobutadiene	7	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OZ-SV03 11/23/2009	OZSV-03 12/4/2009	OZ-SV03 12/11/2009	OZ-SV03 12/17/2009	OZSV-03 12/22/2009	OZ-SV03 1/12/2010	OZ-SV03 2/25/2010	OZ-SV03 3/24/2010	OZSV-03 4/15/2010	OZSV-03 5/17/2010	OZSV-03 6/22/2010	OZSV-03 7/27/2010	OZSV-03 8/30/2010	OZSV-03 9/16/2010
Hexane, n-	3.6	**1.5**	**0.42 J**	1.4 U	**4.7**	**4.9**	**3.4**	1.4 U	1.4 U	1.4 UJ	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Hexanone, 2-	NE	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 UJ	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Hydrogen sulfide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NE	1.9 U	1.9 UJ	1.9 U	1.9 U	1.9 UJ	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	**1.2 J**	1.9 U
Indene	NE	1.9 U	1.9 UJ	1.9 UJ	1.9 UJ	1.9 UJ	1.9 U	1.9 U	1.9 U	1.9 U	1.9 UJ	1.9 U	1.9 U	1.9 U	1.9 U
Isopropyl benzene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	5.9	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
Methyl-2-pentanone, 4-	2.9	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 UJ	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Methylene chloride	2.9	3.4 U	**0.90 J**	3.5 U	3.5 U	3.5 U	**0.90 J**	**1.9 J**	**1.2 J**	**1.0 J**	3.4 U	**3.0 J**	7.0 U	**2.5 JB**	**3.8 JB**
Methylnaphthalene, 1-	NE	2.3 U	2.3 UJ	2.3 UJ	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	5.8 U	5.8 UJ	5.8 U	12 U	5.8 U	5.8 U
Methylnaphthalene, 2-	NE	2.3 UJ	2.3 UJ	2.3 U	2.3 U	2.3 U	2.3 U	**0.93 J**	2.3 U	5.8 U	5.8 U	5.8 U	12 U	5.8 U	5.8 U
Methylthiophene, 2-	NE	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Methylthiophene, 3-	NE	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Naphthalene	10	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	**0.73 J**	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	**1.4 J**	2.1 U
Nonane	1.2	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	**0.77 J**	2.1 U
Octane, n-	2.1	**0.56 J**	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Pentane	NE	**22**	**0.65 J**	**0.53 J**	**17**	**29**	**13**	**1.1 J**	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	**0.58 J**	1.2 U
Propanol, 2-	NE	2.5 U	2.4 U	2.4 U	2.4 U	2.4 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	**130**	2.5 U
Propylbenzene, n-	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.6	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
t-Butyl alcohol	NE	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	**0.63 J**	1.2 U
Tetrachloroethane, 1,1,2,2-	<0.25	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
Tetrachloroethene	1.6	**12**	**12**	**11**	**0.95 J**	2.7 U	2.7 U	**11**	**24**	**24**	**22**	**35**	**45**	**25**	**27**
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	2.2 UJ	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	**0.76 J**	2.2 U
Thiophene	NE	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
Trans-1,2-dichloroethene	NE	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Trichlorobenzene, 1,2,4-	4.8	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Trichloroethane, 1,1,1-	0.7	**1.6 J**	**2.3**	**1.7 J**	**0.76 J**	2.2 U	2.2 U	**0.55 J**	2.2 U	2.2 U	2.2 U	**0.56 J**	2.2 U	2.2 U	2.2 U
Trichloroethane, 1,1,2-	<0.25	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
Trichloroethene	0.5	**0.75 J**	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
Trichlorofluoromethane	6.1	**0.90 J**	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	**0.61 J**	**0.72 J**	2.2 U	2.2 U
Trimethylbenzene, 1,2,3-	0.6	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**1.8 J**	2.0 U
Trimethylbenzene, 1,2,4-	2.5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**5.0**	2.0 U
Trimethylbenzene, 1,3,5-	1	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**1.0 J**	2.0 U
Trimethylpentane, 2,2,4-	2	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	**0.66 J**	1.9 U
Undecane, n-	2.3	**0.89 J**	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	**1.3 J**	2.6 U	2.6 U	2.6 U	2.6 U	**2.8**	2.6 U
Vinyl bromide	NE	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Vinyl chloride	<0.25	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
Other (%)															
Carbon Dioxide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NE	0.0155 U	0.0166 U	0.0181 U	0.0139 U	0.0134 U	0.0164 U	0.0176 U	0.0161 U	0.0176 U	NA	0.0167 U	0.017 U	0.0181 U	0.0164 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Report

Notes:

ug/m^3 - 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

NA - not analyzed
NE - not established

B - analyte detected in the associated method blank
E - value above quantitation range
J - estimated value
R - rejected
U - not detected to the reporting limit for organic analysis and the method detection limit for inorganic analysis

Table 5-2
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	OU2AA01 9/7/2006	Duplicate of OU2AA01 9/7/2006	OU2AA01 2/22/2007
BTEX (ug/m^3)																
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	2.6 U	2.6 U	**4.5 J**
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**	**12.1 J**	3.1 UJ	**16 J**
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	3.5 U	3.6 U	**1.7**
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	3.5 U	3.6 U	**5.4 J**
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	3.5 U	3.6 U	**1.9**
Other VOCs (ug/m^3)																
Acetaldehyde	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.6 UJ
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**	**14.5 J**	7.8 UJ	**16**
Acrolein (propenal)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.46 U
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	10 U	10.3 U	0.63 U
Benzothiophene	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.5 UJ
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	5.4 U	5.5 U	1.3 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	8.3 U	8.5 U	2.1 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	3.1 U	3.2 U	0.78 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	1.8 U	1.8 U	**0.66**
Butane	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**14 J**
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	2.4 U	2.4 U	**3.0**
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	2.5 U	2.6 U	0.62 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	5 U	5.2 U	**0.44 J**
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	3.7 U	3.8 U	0.92 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	2.1 U	2.2 U	0.53 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	3.9 U	4 U	0.98 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	6.6 U	6.8 U	**1.1 J**
Chlorotoluene, 2-	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0 U
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	5.6 U	5.7 U	1.4 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	2.8 U	2.8 U	**1.3**
Decane, n-	3.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1.3 J**
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	6.8 U	7 U	1.7 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	6.1 U	6.3 U	1.5 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	4.8 U	4.9 U	1.2 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	4.8 U	4.9 U	1.2 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	4.8 U	4.9 U	**0.60 J**
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	4 U	4.1 U	**3.1**
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	3.2 U	3.3 U	0.81 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	3.2 U	3.3 U	0.81 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	3.2 U	3.3 U	0.79 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	3.2 U	3.3 U	0.79 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	3.7 U	3.8 U	0.92 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	3.6 U	3.7 U	0.91 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	3.6 U	3.7 U	0.91 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	11.5 U	11.9 U	1.8 U
Dodecane, n-	7.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.4 U
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	**22.6 J**	**6.8 J**	26 U
Ethylthiophene, 2-	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.92 U
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	3.9 U	4 U	**0.49 J**
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	3.3 U	3.4 U	**2.3 J**
Hexachlorobutadiene	7	34.1 U	34.1 U	32 U	32 U	27.7 U	29.9 U	32 U	32 U	32 U	34.1 U	30.9 U	30.9 U	34.1 UJ	35.2 UJ	2.1 UJ
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	2.8 U	2.9 U	**5.7 J**

Table 5-2
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	OU2AA01 9/7/2006	Duplicate of OU2AA01 9/7/2006	OU2AA01 2/22/2007
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	13.1 U	13.5 U	2.0 U
Indan	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15.5 U	16 U	0.97 U
Indene	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15.2 U	15.7 U	0.95 U
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	3.9 U	4 U	NA
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	2.9 U	3 U	0.72 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	3.3 U	3.4 U	0.82 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	2.8 U	2.8 U	**8.0**
Methylnaphthalene, 1-	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	14 U
Methylnaphthalene, 2-	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	14 U
Methylthiophene, 2-	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.80 U
Methylthiophene, 3-	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.80 U
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	16.8 U	17.3 U	**0.26 J**
Nonane	1.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1.5**
Octane, n-	2.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.89 J**
Pentane	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**6.2 J**
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	**9.6 J**	8.1 UJ	**5.2 J**
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	3.9 U	4 U	NA
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	3.4 U	3.5 U	**0.25 J**
t-Butyl alcohol	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.61 U
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	5.5 U	5.6 U	1.4 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	5.4 U	5.6 U	**2.4**
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	2.4 U	2.4 U	NA
Tetramethylbenzene, 1,2,4,5-	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.1 U
Thiophene	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.69 U
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	3.2 U	3.3 U	0.79 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	6.1 U	6.3 U	**0.69 J**
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	23.7 UJ	24.5 UJ	1.5 UJ
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	4.4 U	4.5 U	1.1 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	4.4 U	4.5 U	1.1 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	4.3 U	4.4 U	**3.0 J**
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	4.5 U	4.6 U	**2.1**
Trimethylbenzene, 1,2,3-	0.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1.0**
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	3.9 UJ	4 UJ	**1.9**
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	3.9 U	4 U	**0.59 J**
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	3.7 U	3.8 U	**4.5 J**
Undecane, n-	2.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.3 U
Vinyl bromide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.87 U
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	2 U	2.1 U	0.51 U

Table 5-2
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]	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	OU2AA01 3/31/2009	OU2AA01 6/17/2009	OU2AA-01 9/23/2009	OU2AA-01 12/29/2009	OU2AA-01 3/25/2010	OU2AA-01 6/8/2010	OU2AA-01 9/21/2010
BTEX (ug/m^3)																
Benzene	5.8	**4.5 J**	**0.43 J**	1.4 U	**3.3**	**2.0**	**1.8**	**0.57 J**	**0.72**	**0.89**	1.0 U	1.0 U	**0.32 J**	**2.6**	**0.79**	**1.7**
Toluene	21	**19 J**	**0.74 J**	**4.0**	**10**	**6.8**	**1.2**	**1.8**	**0.70 J**	**1.0**	**3.6**	**4.0**	**0.23 J**	**10**	**2.6**	**6.6**
Ethylbenzene	1.9	**2.0**	0.87 U	**0.69 J**	**1.5**	**0.74 J**	**0.26 J**	**0.30 J**	0.87 U	0.87 U	**0.58 J**	**0.48 J**	0.87 U	**2.6**	**0.40 J**	**0.87**
Xylene, m,p-	3.1	**6.5 J**	**0.25 J**	**1.8**	**4.6**	**2.7**	**0.48 J**	**0.69 J**	**0.23 J**	1.7 U	**1.3 J**	**1.6 J**	1.7 U	**6.2**	**0.97 J**	**2.7**
Xylene, o-	2.5	**2.0**	0.87 U	**0.56 J**	**1.6**	**0.92**	**0.22 J**	**0.26 J**	0.87 U	0.87 U	**0.62 J**	**0.65 J**	0.87 U	**2.0**	**0.40 J**	**0.95**
Other VOCs (ug/m^3)																
Acetaldehyde	NE	**2.6 J**	**43 J**	**18**	1.8 U	**7.4 J**	**27**	**13**	**4.7 J**	5.2 U	8.4 U	**12**	**1.6 J**	**7.9 J**	**11**	**6.5**
Acetone	58	**16**	**19**	**9.3**	**19**	**13 J**	**7.8**	**9.2 J**	**5.4 J**	3.8 U	7.2 U	7.5 UJ	**2.0**	**6.9 J**	**6.6 J**	**6.1 B**
Acrolein (propenal)	NE	0.46 U	0.46 U	0.46 U	0.46 U	**0.23 J**	**0.44 J**	0.46 U	0.46 U	0.46 U	**0.47 J**	1.2 U	1.2 U	**0.37 J**	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 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
Benzothiophene	NE	5.5 UJ	2.7 UJ	14 UJ	1.1 U	1.1 U	1.1 U	1.1 U	1.1 UJ	14 UJ	1.1 U	1.1 U	1.1 U	1.1 U	2.7 U	2.7 U
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	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	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	0.78 U	0.78 U
Butadiene, 1,3-	NE	**0.84**	0.44 U	0.44 U	0.44 U	**0.48**	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	**0.51**	0.44 U	**0.40 J**
Butane	NE	**15 J**	0.48 U	**1.8**	**15**	**5.4**	**0.50**	**1.8**	**3.0**	**0.93**	**1.7**	**1.4**	**0.62**	**7.8**	**0.73**	**2.7**
Butanone, 2-	17	**2.7**	**1**	**3.1**	**5.9**	**2.0**	**1.4**	**1.4**	**0.66**	**0.74**	**0.85**	**1.0**	0.59 U	**1.2**	**1.3**	**0.85**
Carbon disulfide	NE	0.62 U	0.62 U	0.62 U	**0.16 J**	0.62 U	**0.40 J**	**0.19 J**	**0.37 J**	0.62 U	**0.28 J**	0.62 U	0.62 U	0.62 U	**0.40 J**	0.62 U
Carbon tetrachloride	1	1.3 U	**0.57 J**	**0.57 J**	**0.44 J**	**0.55 J**	**0.38 J**	**0.57 J**	**0.56 J**	**0.38 J**	**0.55 J**	**0.69 J**	**0.38 J**	**0.44 J**	**0.50 J**	**0.57 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	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	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	**0.35 J**	**0.39 J**	0.98 U	0.98 U	**0.30 J**	**0.54 J**
Chloromethane	4.6	**1.1 J**	**1.3**	**0.99**	**1.0**	**1.0**	**1.6**	**1.0**	**1.3**	**1.0**	**1.1**	0.87 U	**1.1**	**0.95**	**1.0**	**0.95**
Chlorotoluene, 2-	NE	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	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	1.4 U	1.4 U
Cyclohexane	3	**1.2**	0.69 U	**0.34 J**	**0.69**	**0.40 J**	0.69 U	0.69 U	**0.22 J**	0.69 U	0.69 U	**0.24 J**	0.69 U	**0.62 J**	0.69 U	**0.41 J**
Decane, n-	3.6	**1.3 J**	1.2 U	**0.52 J**	**0.70 J**	**0.54 J**	1.2 U	1.2 U	**0.51 J**	1.2 U	1.2 U	1.2 U	1.2 U	**0.93 J**	1.2 U	**0.35 J**
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	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	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	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	1.2 U	1.2 U
Dichlorobenzene, 1,4-	0.8	**0.60 J**	1.2 U	**0.36 J**	**0.60 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	**0.36 J**	1.2 U	1.2 U
Dichlorodifluoromethane	11	**3.1**	**2.9**	**2.5**	**2.7**	**2.1**	**2.5**	**2.6**	**2.5**	**2.6**	**2.5**	**2.3**	**2.2**	**2.2**	**2.2**	**2.4**
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	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	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	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	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	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	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	0.91 U	0.91 U
Dioxane, 1,4-	NE	1.8 U	1.8 U	0.72 U	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	**0.56 J**	1.4 U	1.4 U	1.4 U	1.4 U	**0.49 J**	**0.42 J**	**0.67 J**	1.4 U	1.4 U	1.4 UJ	1.4 UJ	**0.42 J**	1.4 U	**0.49 J**
Ethanol	220	**25 J**	**10**	**15**	**24**	**20**	**6.3**	**5.7**	**5.0**	**12**	**13**	3.1 U	**0.77 J**	**20**	**8.1**	**7.5**
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	0.92 U	0.92 U
Ethyltoluene, p-	NE	**0.49 J**	0.98 U	0.98 U	**0.44 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	**0.84 J**	0.98 U	**0.25 J**
Heptane, n-	5.1	**2.3**	0.82 U	**0.70 J**	**1.2**	**1.1**	0.82 UJ	**0.45 J**	0.82 U	0.82 U	**0.33 J**	**0.53 J**	0.82 U	**1.2**	**0.41 J**	**1.3**
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 U	2.1 U	2.1 U	2.1 U	2.1 U
Hexane, n-	3.6	**5.6 J**	**0.21 J**	**1.4**	**2.8**	**1.8**	**0.25 J**	**0.60 J**	**0.65 J**	**0.21 J**	**0.89**	**1.1**	0.70 U	**2.1**	**0.63 J**	**1.8**

Table 5-2
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]	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	OU2AA01 3/31/2009	OU2AA01 6/17/2009	OU2AA-01 9/23/2009	OU2AA-01 12/29/2009	OU2AA-01 3/25/2010	OU2AA-01 6/8/2010	OU2AA-01 9/21/2010
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	0.82 U	0.82 U	0.82 U	0.82 U
Indan	NE	**0.48 J**	0.97 U	0.97 UJ	**0.29 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**	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	**0.33 J**	0.95 U	0.95 U
Isopropyl benzene	0.4	NA	NA	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 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	**0.45 J**	**1.2**	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
Methylene chloride	2.9	**7.2 J**	**2.4**	1.5 U	**1.9**	**1.5 J**	1.9 U	0.83 U	1.7 U	1.7 U	1.7 U	1.7 U	**0.52 J**	**1.0 J**	**1.6 J**	**1.4 J**
Methylnaphthalene, 1-	NE	14 U	29 U	5.8 UJ	14 UJ	1.2 U	2.9 UJ	1.2 U	R	5.8 U	1.2 U	1.2 UJ	1.2 U	2.9 UJ	2.9 U	2.9 U
Methylnaphthalene, 2-	NE	14 U	5.8 U	14 U	14 U	1.2 U	2.9 UJ	1.2 U	14 UJ	5.8 U	1.2 U	1.2 U	1.2 U	2.9 UJ	2.9 U	2.9 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	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Methylthiophene, 3-	NE	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	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Naphthalene	10	**0.37 J**	5.2 UJ	1.0 UJ	**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	**0.63 J**	**0.46 J**	1.0 U
Nonane	1.2	**1.6**	1 U	1.0 U	**0.63 J**	**0.59 J**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**0.73 J**	1.0 U	**0.42 J**
Octane, n-	2.1	**1.2**	0.93 U	**0.28 J**	**0.65 J**	0.93 U	0.93 U	**0.23 J**	0.93 U	0.93 U	0.93 U	**0.23 J**	0.93 U	**0.51 J**	0.93 U	**0.37 J**
Pentane	NE	**6.5 J**	**0.98**	**1.6**	**5.7**	**3.1**	**0.56 J**	**1.3**	**3.6**	**0.47 J**	**1.6**	**1.4**	0.59 U	**5.1**	**0.86**	**2.6**
Propanol, 2-	NE	**4.8 J**	**9.1**	**1.7**	**3.4 J**	**2.5**	1.2 UJ	0.49 U	0.98 UJ	1.0 U	1.7 U	**0.98 J**	1.2 U	**2.3**	**0.72 J**	**1.4**
Propylbenzene, n-	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**NA**	NA
Styrene	0.6	**0.43 J**	0.85 U	0.85 U	**0.38 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	**0.34 J**	0.85 U	0.85 U
t-Butyl alcohol	NE	0.61 U	0.61 U	**0.18 J**	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-	<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	1.4 U	1.4 U
Tetrachloroethene	1.6	**3.3**	1.4 U	**0.68 J**	**2.2**	**0.96 J**	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	**0.75 J**	1.4 U	**1.2 J**
Tetrahydrofuran	0.4	NA	NA	NA	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	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 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	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	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	**0.54 J**	**0.59 J**	**0.69 J**	**0.61 J**	1.5 U	**0.46 J**	**0.54 J**	**0.51 J**	**0.54 J**	1.5 U	**0.61 J**	**0.46 J**	**0.46 J**	**0.49 J**	**0.54 J**
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 U	1.5 U	1.5 U	1.5 U
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	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	1.1 U	1.1 U
Trichloroethene	0.5	**3.1**	1.1 U	**0.43 J**	**3.5**	**0.97 J**	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	**0.48 J**	1.1 U	**0.81 J**
Trichlorofluoromethane	6.1	**2.1**	**1.9 J**	**1.5**	**1.4**	**1.3**	**1.2**	**1.3**	**1.4**	**1.4**	**1.8**	**1.8 J**	**1.1 J**	**1.2**	**1.1**	**1.4**
Trimethylbenzene, 1,2,3-	0.6	**1.2**	0.98 U	**0.64 J**	**0.49 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	**0.74 J**	0.98 U	**0.29 J**
Trimethylbenzene, 1,2,4-	2.5	**2.5**	0.98 U	0.98 U	0.98 U	**0.91 J**	0.98 U	0.98 U	0.98 U	0.98 U	**0.41 J**	**0.44 J**	0.98 U	**2.1**	0.98 U	**0.84 J**
Trimethylbenzene, 1,3,5-	1	**0.79 J**	0.98 U	0.98 U	**0.49 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	**0.59 J**	0.98 U	**0.25 J**
Trimethylpentane, 2,2,4-	2	**4.8 J**	**0.23 J**	**1.4 J**	**1.3**	**1.0**	0.93 U	**0.37 J**	0.93 U	0.93 U	**0.79 J**	**0.98**	0.93 U	**1.9 J**	**1.1**	**2.5**
Undecane, n-	2.3	**1.1 J**	6.4 UJ	**0.45 J**	**0.89 J**	**0.46 J**	**0.45 J**	**0.32 J**	**0.54 J**	1.3 U	1.3 U	1.3 U	1.3 U	**0.70 J**	1.3 U	**0.32 J**
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	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	0.51 U	0.51 U

Table 5-2
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 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	OU2AA02 3/26/2008	OU2AA02 6/23/2008	OU2AA02 9/24/2008	OU2AA02 12/29/2008	OU2AA02 3/23/2009	OU2AA02 6/17/2009
BTEX (ug/m^3)																
Benzene	5.8	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**	**0.64 J**	**0.96**	**0.29 J**	**0.60 J**	**0.38 J**	0.64 U
Toluene	21	2.8 U	2.9 U	2.9 U	**3.1**	2.8 U	**19 J**	**4.5**	**0.90**	**11**	**0.88**	**1.0**	**1.5**	**0.67 J**	**0.53 J**	**0.52 J**
Ethylbenzene	1.9	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**	**0.24 J**	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Xylene, m,p-	3.1	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**	**0.57 J**	**0.56 J**	**0.56 J**	**0.33 J**	1.7 U	1.7 U
Xylene, o-	2.5	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**	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Other VOCs (ug/m^3)																
Acetaldehyde	NE	NA	NA	NA	NA	NA	2.6 UJ	17 UJ	**5.4**	1.8 U	**3.8 J**	**39**	**13**	**19 J**	6.9 U	9.2 U
Acetone	58	**33.3**	**33.3**	7.1 U	**20**	**18.1**	14 U	**30 J**	**22**	**14**	**10 J**	**11**	**8.2 J**	**5.8 J**	4.3 U	4.0 U
Acrolein (propenal)	NE	NA	NA	NA	NA	NA	0.46 U	**0.28 J**	0.46 U	**1.2**	1.2 U	**0.48**	0.46 U	0.46 U	0.46 U	1.2 U
Allyl chloride	NE	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	0.63 U	0.63 UJ	0.63 U	0.63 U	0.63 U	0.63 U
Benzothiophene	NE	NA	NA	NA	NA	NA	5.5 UJ	2.7 U	14 U	1.1 U	1.1 UJ	1.1 U	1.1 U	1.1 UJ	14 UJ	1.1 U
Bromodichloromethane	NE	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	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	NE	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	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	0.9	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	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
Butadiene, 1,3-	NE	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	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Butane	NE	NA	NA	NA	NA	NA	**15 J**	**1.2**	0.48 U	**4.2**	**2.5**	**0.36 J**	**0.64**	**3.0**	**0.76**	**0.23 J**
Butanone, 2-	17	**6.2**	2.3 U	2.2 U	**7.1**	**5**	**2.1 J**	**1.5**	**0.50 J**	**2.1**	**0.88 J**	**1.2**	**0.65**	**0.77**	**0.65**	0.59 U
Carbon disulfide	NE	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**	0.62 U	**0.59 J**	0.62 U	**0.19 J**	0.62 U	0.62 U
Carbon tetrachloride	1	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**	**0.52 J**	1.3 U	**0.44 J**	**0.60 J**	**0.38 J**	**0.45 J**
Chlorobenzene	<0.25	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	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Chloroethane	0.4	2 U	2.1 U	2 U	2.1 U	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	3.6 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	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Chloromethane	4.6	6.2 U	6.4 U	6.2 U	6.6 U	6.2 U	1.0 U	**1.2**	**1.0**	**1.1**	**1.0**	**1.3**	**0.95**	**1.3**	**1.1**	**1.2**
Chlorotoluene, 2-	NE	NA	NA	NA	NA	NA	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	1.3	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	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Cyclohexane	3	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**	0.69 U	0.69 U	0.69 U	**0.18 J**	0.69 U	0.69 U
Decane, n-	3.6	NA	NA	NA	NA	NA	1.2 U	1.2 U	1.2 U	**19**	1.2 UJ	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dibromochloromethane	NE	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	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dibromoethane, 1,2-	<0.25	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	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Dichlorobenzene, 1,2-	0.9	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	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,3-	0.7	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	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,4-	0.8	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	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorodifluoromethane	11	3.7 U	3.9 U	3.8 U	3.9 U	3.7 U	2.7 U	**2.6**	**2.6**	**2.5**	**2.0**	**2.4**	**2.6**	**2.5**	**2.5**	**2.5**
Dichloroethane, 1,1-	<0.25	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	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethane, 1,2-	<0.25	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	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethene, 1,1-	<0.25	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	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloroethene, cis-1,2-	<0.25	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	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloropropane, 1,2-	<0.25	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	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Dichloropropene, cis-1,3	<0.25	3.4 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	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dichloropropene, trans-1,3	<0.25	3.4 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	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dioxane, 1,4-	NE	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	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 UJ
Dodecane, n-	7.6	NA	NA	NA	NA	NA	1.4 U	1.4 U	1.4 U	**51**	1.4 U	**0.56 J**	**1.8**	1.4 UJ	1.4 U	1.4 U
Ethanol	220	**8.9**	5.8 U	5.7 U	6 U	**7.2**	20 U	**1 J**	**1.9**	**17**	**4.1 J**	**5.0**	**2.9**	**3.8**	**7.7**	2.0 U
Ethylthiophene, 2-	NE	NA	NA	NA	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
Ethyltoluene, p-	NE	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	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Heptane, n-	5.1	3 U	3.2 U	3.1 U	3.2 U	3 U	**3.0 J**	0.82 U	0.82 U	**1.1**	**0.32 J**	0.82 UJ	0.82 U	0.82 U	0.82 U	0.82 U
Hexachlorobutadiene	7	32 U	33.1 U	32 U	34.1 U	32 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 U
Hexane, n-	3.6	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**	**0.43 J**	**0.21 J**	**0.28 J**	**0.56 J**	0.70 U	0.70 U

Table 5-2
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 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	OU2AA02 3/26/2008	OU2AA02 6/23/2008	OU2AA02 9/24/2008	OU2AA02 12/29/2008	OU2AA02 3/23/2009	OU2AA02 6/17/2009
Hexanone, 2-	NE	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	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Indan	NE	NA	NA	NA	NA	14.5 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	NA	NA	NA	NA	14.3 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	3.6 U	3.8 U	3.7 U	3.9 U	3.6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	5.9	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	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 U	3.2 U	3.1 U	3.2 U	3 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	2.9	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	1.7 U	1.7 U	0.83 U	1.7 U	1.7 U	1.7 U
Methylnaphthalene, 1-	NE	NA	NA	NA	NA	NA	14 U	14 U	5.8 U	14 UJ	1.2 U	2.9 UJ	1.2 U	R	5.8 U	1.2 U
Methylnaphthalene, 2-	NE	NA	NA	NA	NA	NA	14 U	5.8 U	14 U	14 U	1.2 U	2.9 UJ	1.2 U	14 UJ	5.8 U	1.2 U
Methylthiophene, 2-	NE	NA	NA	NA	NA	NA	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-	NE	NA	NA	NA	NA	NA	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	10	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	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Nonane	1.2	NA	NA	NA	NA	NA	**1.2 J**	1 U	1.0 U	**0.47 J**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Octane, n-	2.1	NA	NA	NA	NA	NA	**1.2 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
Pentane	NE	NA	NA	NA	NA	NA	**7.2 J**	**0.62**	**0.21 J**	**6.2**	**0.94 J**	**0.44 J**	**0.47 J**	**1.6**	**0.35 J**	0.59 U
Propanol, 2-	NE	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**	1.2 U	1.2 UJ	0.49 U	0.53 UJ	0.49 U	1.2 U
Propylbenzene, n-	0.5	3.6 U	3.8 U	3.7 U	3.9 U	3.6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.6	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**	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U
t-Butyl alcohol	NE	NA	NA	NA	NA	NA	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-	<0.25	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	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Tetrachloroethene	1.6	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**	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Tetrahydrofuran	0.4	2.2 U	2.3 U	2.2 U	2.3 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	NA	NA	NA	NA	NA	1.1 U	5.5 U	14 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	5.5 U	1.1 U
Thiophene	NE	NA	NA	NA	NA	NA	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
Trans-1,2-dichloroethene	NE	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	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	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**	**0.53 J**	**0.46 J**	**0.54 J**	**0.80 J**	**0.54 J**	1.5 U
Trichlorobenzene, 1,2,4-	4.8	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	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 U	4.3 U	4.1 U	4.3 U	4 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	1.1 U	1.1 U
Trichloroethane, 1,1,2-	<0.25	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	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethene	0.5	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**	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichlorofluoromethane	6.1	4.2 U	4.4 U	4.3 U	4.4 U	4.2 U	**1.8 J**	**1.4**	**1.5**	**1.2**	**1.0 J**	**1.2**	**1.4**	**1.6**	**1.2**	**1.5**
Trimethylbenzene, 1,2,3-	0.6	NA	NA	NA	NA	NA	**1.2 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
Trimethylbenzene, 1,2,4-	2.5	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**	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Trimethylbenzene, 1,3,5-	1	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	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Trimethylpentane, 2,2,4-	2	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**	0.93 U	0.93 U	**0.37 J**	0.93 U	0.93 U	0.93 U
Undecane, n-	2.3	NA	NA	NA	NA	NA	1.3 U	1.3 U	1.3 U	**67**	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Vinyl bromide	NE	NA	NA	NA	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	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	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U

Table 5-2
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]	OU2AA-02 9/22/2009	OU2AA-02 12/30/2009	OU2AA-02 3/25/2010	OU2AA-02 6/8/2010	OU2AA-02 9/21/2010	OU2AA03 5/25/2005	OU2AA03 8/31/2005	OU2AA03 2/2/2006	OU2AA03 6/15/2006	OU2AA03 9/8/2006	OU2AA03 2/21/2007	OU2AA03 6/14/2007	OU2AA03 9/12/2007	OU2AA03 12/19/2007	OU2AA03 3/27/2008
BTEX (ug/m^3)																
Benzene	5.8	0.64 U	**0.64**	**0.38 J**	**0.30 J**	**0.54 J**	2.2 U	2.4 U	2.3 U	2.4 U	2.5 U	0.64 U	**0.28 J**	0.80 U	**3.0**	**2.1**
Toluene	21	**0.23 J**	**0.83**	**0.30 J**	**1.2**	**1.4**	2.6 U	2.8 U	**3.2**	**4.1**	**7.2**	1.2 U	**0.44 J**	**2.2**	**8.9**	**6.7**
Ethylbenzene	1.9	0.87 U	0.87 U	0.87 U	0.87 U	**0.26 J**	3 U	3.2 U	3.1 U	3.3 U	3.4 U	0.87 U	0.87 U	**0.35 J**	**1.8**	**0.82 J**
Xylene, m,p-	3.1	1.7 U	1.7 U	1.7 U	**0.48 J**	**0.65 J**	3 U	3.2 U	3.1 U	3.3 U	3.4 U	1.7 U	**0.3 J**	**0.87 J**	**5.7**	**2.1**
Xylene, o-	2.5	0.87 U	0.87 U	0.87 U	0.87 U	**0.26 J**	3 U	3.2 U	3.1 U	3.3 U	3.4 U	0.87 U	0.87 U	**0.35 J**	**2.0**	**0.89**
Other VOCs (ug/m^3)																
Acetaldehyde	NE	**16**	**2.5 J**	**14**	**12**	**6.0**	NA	NA	NA	NA	NA	0.41 UJ	**16 J**	**6.5**	1.8 U	**12 J**
Acetone	58	5.8 UJ	**3.3 J**	**3.7**	**5.6 J**	**6.6 B**	**19.2**	**7.4**	**10.5**	**13.8**	**18.1**	6.2 U	**25**	**12**	**13**	**14 J**
Acrolein (propenal)	NE	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	NA	NA	NA	NA	NA	0.46 U	0.46 U	0.46 U	0.46 U	**0.49 J**
Allyl chloride	NE	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	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
Benzothiophene	NE	1.1 U	1.1 U	1.1 U	2.7 U	2.7 U	NA	NA	NA	NA	NA	5.5 UJ	2.7 UJ	14 U	1.1 U	1.1 U
Bromodichloromethane	NE	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	1.3 U	1.3 UJ	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	7.2 U	7.6 U	7.4 U	7.9 U	8.1 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	2.7 U	2.9 U	2.8 U	3 U	3 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	1.5 U	1.6 U	1.6 U	1.7 U	1.7 U	0.44 U	0.44 U	0.44 U	0.44 U	**0.15 J**
Butane	NE	0.48 U	**1.2**	**0.76**	**0.32 J**	**0.81**	NA	NA	NA	NA	NA	2.0 U	0.48 U	**0.59**	**8.4**	**4.8**
Butanone, 2-	17	**0.68**	**0.27 J**	**1.1**	**0.78**	**0.56 J**	**2.8**	2.2 U	**3.5 J**	**4.4**	**3.8**	1.5 U	0.59 U	**0.71**	**1.0**	**1.7**
Carbon disulfide	NE	0.62 U	0.62 U	0.62 U	**0.22 J**	0.62 U	2.2 U	**2.6**	**6.2**	2.4 U	**2.8**	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U
Carbon tetrachloride	1	**0.69 J**	**0.44 J**	**0.44 J**	**0.52 J**	**0.50 J**	4.4 U	4.7 U	4.5 U	4.8 U	4.9 U	**0.50 J**	**0.75 J**	**0.57 J**	**0.50 J**	**0.61 J**
Chlorobenzene	<0.25	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	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	1.8 U	2 U	1.9 U	2 U	2.1 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	**7.0**	0.98 U	3.4 U	3.6 U	3.5 U	3.7 U	3.8 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Chloromethane	4.6	**0.95**	**1.0**	**1.0**	**0.95**	**0.97**	5.8 U	6.2 U	6 U	6.2 U	6.4 U	0.95 U	**1**	**1.0**	**1.1**	**1.0**
Chlorotoluene, 2-	NE	1.0 U	1.0 U	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	1.0 U
Cryofluorane	1.3	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	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	0.69 U	0.69 U	2.4 U	2.5 U	2.5 U	2.6 U	2.7 U	0.69 U	0.69 U	0.69 U	**0.86**	**0.89**
Decane, n-	3.6	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	NA	NA	NA	NA	NA	1.2 U	1.2 U	1.2 U	**0.70 J**	**0.49 J**
Dibromochloromethane	NE	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	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	5.4 U	5.7 U	5.5 U	5.8 U	6 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	4.2 U	4.4 U	4.3 U	4.6 U	4.7 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	4.2 U	4.4 U	4.3 U	4.6 U	4.7 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	4.2 U	4.4 U	4.3 U	4.6 U	4.7 U	1.2 UJ	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorodifluoromethane	11	**2.6**	**2.2**	**2.2**	**2.1**	**2.5**	3.5 U	3.7 U	3.6 U	3.8 U	3.9 U	2.3 U	**3.1**	**2.4**	**2.6**	**2.6**
Dichloroethane, 1,1-	<0.25	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	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	2.8 U	3 U	2.9 U	3.1 U	3.2 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	2.8 U	2.9 U	2.9 U	3 U	3.1 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	2.8 U	2.9 U	2.9 U	3 U	3.1 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	3.2 U	3.4 U	3.3 U	3.5 U	3.6 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	3.2 U	3.4 U	3.3 U	3.4 U	3.5 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	3.2 U	3.4 U	3.3 U	3.4 U	3.5 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dioxane, 1,4-	NE	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	10.1 U	10.8 U	10.5 U	10.8 U	11.2 U	1.8 U	1.8 U	0.72 UJ	1.8 U	0.72 U
Dodecane, n-	7.6	1.4 UJ	**0.56 J**	1.4 U	**0.40 J**	**0.77 J**	NA	NA	NA	NA	NA	1.4 U	1.4 U	1.4 U	1.4 U	**0.66 J**
Ethanol	220	1.9 U	**3.2**	**1.2 J**	**3.2**	**4.1**	5.3 U	5.7 U	5.5 U	5.7 U	**30.1**	3.5 U	**3.4 J**	**5.2**	**19**	**21**
Ethylthiophene, 2-	NE	0.92 U	0.92 U	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	0.92 U
Ethyltoluene, p-	NE	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	0.98 U	0.98 U	0.98 U	**0.59 J**	**0.26 J**
Heptane, n-	5.1	0.82 U	**0.25 J**	0.82 U	**0.20 J**	**0.29 J**	2.9 U	3 U	3 U	3.1 U	3.2 U	0.82 U	0.82 U	**0.45 J**	**1.9**	**1.0**
Hexachlorobutadiene	7	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	2.1 UJ	2.1 UJ	2.1 U	2.1 U	2.1 U
Hexane, n-	3.6	0.70 U	**0.60 J**	**0.21 J**	**0.21 J**	**0.49 J**	2.5 U	2.6 U	2.5 U	2.7 U	2.7 U	0.70 U	**0.18 J**	**0.74**	**3.2**	**1.8**

Table 5-2
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]	OU2AA-02 9/22/2009	OU2AA-02 12/30/2009	OU2AA-02 3/25/2010	OU2AA-02 6/8/2010	OU2AA-02 9/21/2010	OU2AA03 5/25/2005	OU2AA03 8/31/2005	OU2AA03 2/2/2006	OU2AA03 6/15/2006	OU2AA03 9/8/2006	OU2AA03 2/21/2007	OU2AA03 6/14/2007	OU2AA03 9/12/2007	OU2AA03 12/19/2007	OU2AA03 3/27/2008
Hexanone, 2-	NE	0.82 U	**0.70 J**	0.82 U	0.82 U	0.82 U	11.5 U	12.3 U	11.9 U	12.3 U	12.7 U	2.0 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	NA	NA	NA	NA	15 U	0.97 U	0.97 U	0.97 U	**0.34 J**	0.97 U
Indene	NE	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	NA	NA	NA	NA	14.7 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	3.4 U	3.6 U	3.5 U	3.7 U	3.8 U	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	2.5 U	2.7 U	2.6 U	2.7 U	2.8 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	**0.25 J**	0.82 U	0.82 U	0.82 U	2.9 U	3 U	2.9 U	3.1 U	3.2 U	0.82 U	0.82 U	0.82 U	0.82 U	**0.28 J**
Methylene chloride	2.9	1.7 U	**0.94 J**	**0.66 J**	**1.1 J**	**1.4 J**	2.4 U	2.6 U	2.5 U	2.6 U	**3**	5.6 U	**1.5**	1.0 U	0.69 U	**1.8**
Methylnaphthalene, 1-	NE	1.2 UJ	1.2 U	2.9 UJ	2.9 U	2.9 U	NA	NA	NA	NA	NA	14 U	29 U	5.8 U	14 UJ	1.2 U
Methylnaphthalene, 2-	NE	1.2 U	1.2 U	2.9 UJ	2.9 U	2.9 U	NA	NA	NA	NA	NA	14 U	5.8 U	14 U	14 U	1.2 U
Methylthiophene, 2-	NE	0.80 U	0.80 U	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	0.80 U
Methylthiophene, 3-	NE	0.80 U	0.80 U	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	0.80 U
Naphthalene	10	1.0 U	**0.26 J**	1.0 U	**0.28 J**	1.0 U	14.7 U	15.7 U	15.2 U	15.7 UJ	16.3 U	2.6 U	5.2 UJ	1.0 U	**0.37 J**	1.0 U
Nonane	1.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NA	NA	NA	NA	NA	1.0 U	1 U	1.0 U	**0.68 J**	**0.39 J**
Octane, n-	2.1	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	NA	NA	NA	NA	NA	0.93 U	0.93 U	0.93 U	**0.65 J**	**0.35 J**
Pentane	NE	0.59 U	**0.86**	**0.56 J**	**0.32 J**	**0.71**	NA	NA	NA	NA	NA	0.59 U	0.59 U	**0.74**	**6.5**	**2.8**
Propanol, 2-	NE	**0.69 J**	**0.52 J**	1.2 U	1.2 U	**1.1 J**	6.9 U	7.4 U	7.1 U	7.4 U	7.6 U	0.49 U	0.49 U	**3.8**	**1.1 J**	**3.0**
Propylbenzene, n-	0.5	NA	NA	NA	NA	NA	3.4 U	3.6 U	3.5 U	3.7 U	3.8 U	NA	NA	NA	NA	NA
Styrene	0.6	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	3.3 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	**0.18 J**	NA	NA	NA	NA	NA	0.61 U	0.61 U	0.61 U	0.61 U	**0.31 J**
Tetrachloroethane, 1,1,2,2-	<0.25	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	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	1.4 U	1.4 U	4.7 U	5 U	4.9 U	5.2 U	5.3 U	1.4 U	1.4 U	1.4 U	**0.41 J**	**1.4**
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	2.1 U	2.2 U	**2.1 J**	2.2 U	2.3 U	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	NA	NA	NA	NA	NA	1.1 U	1.1 U	14 U	**0.44 J**	1.1 U
Thiophene	NE	0.69 U	0.69 U	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	0.69 U
Trans-1,2-dichloroethene	NE	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	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	**0.77 J**	**0.46 J**	**0.46 J**	**0.57 J**	**0.54 J**	5.4 U	5.7 U	5.5 U	5.8 U	6 U	1.5 U	1.5 U	**0.61 J**	**0.54 J**	1.5 U
Trichlorobenzene, 1,2,4-	4.8	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	23 U	1.5 UJ	3.7 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	3.8 U	4 U	3.9 U	4.1 U	4.3 U	1.1 U	1.1 UJ	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	3.8 U	4 U	3.9 U	4.1 U	4.3 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	**0.38 J**	3.8 U	4 U	3.9 U	4.1 U	4.2 U	1.1 U	1.1 U	1.1 U	1.1 U	**1.3**
Trichlorofluoromethane	6.1	**1.5 J**	**1.1 J**	**1.1**	**1.1 J**	**1.3**	3.9 U	4.2 U	4 U	4.3 U	4.4 U	1.4 U	**1.5 J**	**1.4**	**1.3**	**1.2**
Trimethylbenzene, 1,2,3-	0.6	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	NA	NA	NA	NA	NA	0.98 U	0.98 U	**0.29 J**	**0.64 J**	0.98 U
Trimethylbenzene, 1,2,4-	2.5	0.98 U	0.98 U	0.98 U	0.98 U	**0.25 J**	3.4 U	3.6 U	**3.6**	3.7 U	3.8 U	0.98 U	0.98 U	0.98 U	**2.1**	**0.66 J**
Trimethylbenzene, 1,3,5-	1	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	0.98 U	0.98 U	0.98 U	**0.59 J**	0.98 U
Trimethylpentane, 2,2,4-	2	0.93 U	0.93 U	0.93 U	**0.47 J**	0.93 U	3.3 U	3.5 U	3.4 U	3.6 U	3.6 U	0.93 U	0.93 U	**0.56 J**	**2.0**	**0.81 J**
Undecane, n-	2.3	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	NA	NA	NA	NA	NA	1.3 U	6.4 UJ	1.3 U	**0.38 J**	**0.62 J**
Vinyl bromide	NE	0.87 U	0.87 U	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	0.87 U
Vinyl chloride	<0.25	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	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U

Table 5-2
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 6/18/2008	OU2AA03 9/16/2008	OU2AA03 12/23/2008	OU2AA03 3/12/2009	OU2AA03 6/8/2009	OU2AA-03 9/21/2009	OU2AA-03 12/29/2009	OU2AA-03 3/25/2010	OU2AA-03 6/7/2010	OU2AA-03 9/10/2010	OU2AA04 2/21/2007	OU2AA04 9/18/2007	OU2AA04 12/19/2007	OU2AA04 3/27/2008	OU2AA04 6/19/2008
BTEX (ug/m^3)																
Benzene	5.8	0.64 UJ	**0.26 J**	**1.1**	**0.44 J**	**0.72**	0.86 U	**0.26 J**	**0.32 J**	**0.23 J**	**0.29 J**	0.70 U	0.64 U	**1.5**	**2.0**	**0.77 J**
Toluene	21	0.75 U	**1.4 J**	**2.1**	**0.43 J**	**1.3**	**2.4**	**0.23 J**	**0.41 J**	**1.1**	**0.79**	1.1 U	**0.68 J**	**2.6**	**4.7**	**1.9**
Ethylbenzene	1.9	0.87 U	0.87 U	**0.32 J**	0.87 U	0.87 U	**0.43 J**	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	**0.39 J**	**0.65 J**	**0.30 J**
Xylene, m,p-	3.1	1.7 U	**0.56 J**	**0.92 J**	1.7 U	1.7 U	**1.0 J**	1.7 U	1.7 U	**0.48 J**	1.7 U	1.7 U	**0.22 J**	**1.0 J**	**2.0**	**0.65 J**
Xylene, o-	2.5	0.87 U	**0.22 J**	**0.25 J**	0.87 U	0.87 U	**0.39 J**	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	**0.39 J**	**0.65 J**	**0.22 J**
Other VOCs (ug/m^3)																
Acetaldehyde	NE	**0.86 J**	**39 J**	**13 J**	4.9 U	**27**	**9.4 J**	**1.6 J**	**9.4**	**9.5 J**	**7.8**	0.58 UJ	**15**	1.8 U	**13 J**	**43**
Acetone	58	1.2 U	**7.6 J**	5.6 U	4.9 U	10 U	9.0 UJ	**2.3**	**4.5**	**3.3 J**	**4.7 JB**	6.4 U	**9.4**	**8.0**	**10 J**	**11**
Acrolein (propenal)	NE	0.46 U	0.46 U	**0.43 J**	0.46 U	**0.70 J**	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.46 U	0.46 U	0.46 U	**0.30 J**	**0.37 J**
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	0.63 U	0.63 U
Benzothiophene	NE	1.1 U	1.1 U	1.1 UJ	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.7 U	2.7 U	5.5 UJ	14 U	1.1 U	1.1 U	1.1 UJ
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	1.3 U	1.3 U
Bromoform	NE	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	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	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	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Butane	NE	0.48 U	**0.40 J**	**2.4**	**0.83**	**0.89**	**2.2**	**0.74**	**0.76**	**0.19 J**	**0.31 J**	2.8 U	**0.57**	**3.1**	**4.1**	**1.0**
Butanone, 2-	17	0.59 U	**1.0 J**	**0.58 J**	**0.55 J**	**1.8**	**1.1**	0.59 U	**0.59**	**0.53 J**	**0.53 J**	1.5 U	**2.2**	**0.71**	**1.3 J**	**1.8**
Carbon disulfide	NE	0.62 U	**0.16 J**	**0.39 J**	0.62 U	**0.24 J**	**0.19 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
Carbon tetrachloride	1	1.3 U	**0.50 J**	**0.67 J**	**0.43 J**	**0.50 J**	**0.69 J**	**0.44 J**	**0.44 J**	**0.65 J**	**0.44 J**	**0.44 J**	**0.63 J**	**0.50 J**	**0.55 J**	**0.50 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	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	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	0.98 U	0.98 U
Chloromethane	4.6	0.41 U	**1.1 J**	**1.4**	**1.1**	**1.4**	**0.99**	**1.1**	**1.0**	**0.85**	**0.97**	1.0 U	**1.0**	**0.99**	**1.1**	**1.0**
Chlorotoluene, 2-	NE	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	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	1.4 U	1.4 U
Cyclohexane	3	0.69 U	0.69 U	**0.3 J**	0.69 U	0.69 U	**0.24 J**	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	**0.31 J**	**0.40 J**	0.69 U
Decane, n-	3.6	1.2 U	**1.0 J**	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	**0.48 J**	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	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	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	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	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 UJ	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorodifluoromethane	11	0.99 U	**3.2 J**	**2.7**	**2.0**	**2.6**	**2.6**	**2.3**	**2.1**	**2.4**	**2.2**	2.5 U	**2.6**	**2.2**	**2.0**	**2.4**
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 UJ	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	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	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	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	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	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	0.91 U	0.91 U
Dioxane, 1,4-	NE	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	1.8 U	0.72 UJ	1.8 U	0.72 U	0.72 U
Dodecane, n-	7.6	1.4 U	**3.4 J**	**0.59 J**	1.4 UJ	1.4 U	1.4 U	1.4 UJ	**1.1 J**	**2.1 J**	**0.90 J**	1.4 U	1.4 U	1.4 U	1.4 U	**0.35 J**
Ethanol	220	1.9 U	**5.4 J**	**7.2**	**3.0**	**8.2**	**5.0**	**0.55 J**	**1.4 J**	**1.4 J**	**2.4**	3.9 U	**9.2**	5.5 U	**12**	**8.0**
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	0.92 U	0.92 U
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	0.98 U	0.98 U
Heptane, n-	5.1	0.82 U	0.82 U	0.82 U	0.82 UJ	0.82 U	**0.53 J**	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	**0.57 J**	**1.2**	**0.25 J**
Hexachlorobutadiene	7	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 UJ	2.1 U	**1.2 J**	2.1 U	2.1 U	2.1 UJ	2.1 U	2.1 U	2.1 U	2.1 U
Hexane, n-	3.6	0.70 U	**0.28 J**	**0.67 J**	0.70 U	**0.31 J**	**1.1**	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	**1.2**	**1.2**	**1.5**	**0.56 J**

Table 5-2
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 6/18/2008	OU2AA03 9/16/2008	OU2AA03 12/23/2008	OU2AA03 3/12/2009	OU2AA03 6/8/2009	OU2AA-03 9/21/2009	OU2AA-03 12/29/2009	OU2AA-03 3/25/2010	OU2AA-03 6/7/2010	OU2AA-03 9/10/2010	OU2AA04 2/21/2007	OU2AA04 9/18/2007	OU2AA04 12/19/2007	OU2AA04 3/27/2008	OU2AA04 6/19/2008
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	2.0 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 UJ	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 UJ	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	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	0.72 U	0.72 U	0.72 UJ
Methyl-2-pentanone, 4-	2.9	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	2.9	1.7 U	0.83 U	1.7 U	1.7 U	**0.60 J**	**0.90 J**	**0.52 J**	**0.56 J**	**1.2 J**	**1.0 J**	6.1 U	2.5 U	0.69 U	**0.85 J**	1.1 U
Methylnaphthalene, 1-	NE	2.9 U	1.2 U	R	1.2 U	1.2 U	1.2 U	1.2 U	2.9 UJ	2.9 U	2.9 U	14 U	5.8 U	14 UJ	1.2 U	2.9 UJ
Methylnaphthalene, 2-	NE	2.9 UJ	1.2 U	14 UJ	1.2 U	1.2 U	1.2 U	1.2 U	2.9 UJ	2.9 U	2.9 U	14 U	14 U	14 U	1.2 U	2.9 UJ
Methylthiophene, 2-	NE	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	0.80 U	0.80 U	0.80 U	0.80 U
Methylthiophene, 3-	NE	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	0.80 U	0.80 U	0.80 U	0.80 U
Naphthalene	10	1.0 U	1.0 U	1 U	1.0 U	1.0 U	**0.26 J**	1.0 U	**0.37 J**	1.0 U	1.0 U	2.6 U	1.0 U	1.0 U	1.0 U	1.0 U
Nonane	1.2	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	1.0 U	1.0 U	**0.29 J**	1.0 U
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	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	**0.31 J**	0.93 U
Pentane	NE	0.59 U	**0.50 J**	**1.4**	**0.36 J**	**0.81**	**2.0**	**0.29 J**	**0.41 J**	0.59 U	**0.29 J**	0.77 U	0.59 U	**2.3**	**2.3**	**0.88**
Propanol, 2-	NE	1.2 UJ	0.49 U	**1.1**	1.2 U	1.2 U	1.4 U	1.2 U	1.2 U	1.2 U	**0.49 J**	0.49 U	**0.56**	0.49 U	**1.9**	**0.84 J**
Propylbenzene, n-	0.5	NA	NA	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	0.85 U	0.85 U
t-Butyl alcohol	NE	0.61 U	0.61 U	0.61 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	**0.18 J**	0.61 U	**0.32 J**	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	1.4 U	1.4 U
Tetrachloroethene	1.6	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	1.4 U	1.4 U	1.4 U	1.4 U	**0.51 J**	1.4 U
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	1.1 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	1.1 U	1.1 U	14 U	1.1 U	1.1 U	1.1 U
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	0.69 U	0.69 U	0.69 U	0.69 UJ	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	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	1.5 U	**1.2 J**	**0.64 J**	**0.48 J**	**0.72 J**	**0.69 J**	**0.46 J**	**0.46 J**	**0.54 J**	**0.54 J**	1.5 U	**0.69 J**	**0.69 J**	**0.47 J**	**0.46 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	**0.59 J**	1.5 U	1.5 U	1.5 UJ	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	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	1.1 U	1.1 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	1.1 U	1.1 U	1.1 U	**0.27 J**	1.1 U	**0.87 J**	1.1 U
Trichlorofluoromethane	6.1	1.1 U	**1.8 J**	**1.6**	**1.1 J**	**1.6**	**1.6**	**1.1**	**1.1**	**1.3**	**1.1**	1.5 U	**1.4**	**1.2**	**1.2**	**1.3**
Trimethylbenzene, 1,2,3-	0.6	0.98 U	0.98 U	**0.33 J**	0.98 U	0.98 U	0.98 UJ	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-	2.5	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	0.98 U	**0.60 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	0.98 U	0.98 U
Trimethylpentane, 2,2,4-	2	0.93 U	**0.37 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	**0.37 J**	**0.94**	**0.47 J**
Undecane, n-	2.3	1.3 U	**5.8 J**	**0.54 J**	1.3 U	1.3 U	1.3 U	1.3 U	**0.51 J**	**0.34 J**	1.3 U	1.3 U	1.3 U	1.3 U	**0.33 J**	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	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	0.51 U	0.51 U

Table 5-2
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]	OU2AA04 9/23/2008	OU2AA04 12/30/2008	OU2AA04 3/25/2009	OU2AA04 6/16/2009	OU2AA-04 9/23/2009	OU2AA-04 12/28/2009	OU2AA-04 3/18/2010	OU2AA-04 6/7/2010	OU2AA-04 9/22/2010	OU2AA05 12/30/2008	OU2AA05 3/13/2009	OU2AA05 6/25/2009	OU2AA-05 9/25/2009	OU2AA-05 12/30/2009	OU2AA-05 3/20/2010
BTEX (ug/m^3)																
Benzene	5.8	**0.35 J**	**0.46 J**	**0.61 J**	0.64 U	1.2 U	**1.2**	**0.89**	**0.18 J**	**0.26 J**	**0.49 J**	**0.52 J**	**0.70**	0.64 U	**0.45 J**	**0.86**
Toluene	21	**1.3**	**0.45 J**	**1.1**	**0.61 J**	**3.5**	**1.5**	**3.7**	**0.58 J**	**0.41 J**	**0.42 J**	**0.25 J**	**2.0**	**0.56 J**	**0.64 J**	**2.6**
Ethylbenzene	1.9	0.87 U	0.87 U	0.87 U	0.87 U	**0.56 J**	**0.22 J**	**0.43 J**	0.87 U	0.87 U	0.87 U	0.87 U	**0.39 J**	0.87 U	0.87 U	**0.52 J**
Xylene, m,p-	3.1	**0.61 J**	**0.23 J**	1.7 U	1.7 U	**1.5 J**	**0.65 J**	**1.2 J**	1.7 U	1.7 U	1.7 U	1.7 U	**0.95 J**	1.7 U	1.7 U	**1.5 J**
Xylene, o-	2.5	0.87 U	0.87 U	0.87 U	0.87 U	**0.65 J**	**0.26 J**	**0.48 J**	0.87 U	0.87 U	0.87 U	0.87 U	**0.39 J**	0.87 U	0.87 U	**0.69 J**
Other VOCs (ug/m^3)																
Acetaldehyde	NE	**24**	**6.8 J**	5.6 U	**7.7**	**9.7**	**5.6 J**	**9.6 J**	**10 J**	**10**	**6.1 J**	**7.2**	**8.4**	**3.8 J**	**3.1 J**	**9.0 J**
Acetone	58	**8.6**	4.1 U	4.5 U	4.2 U	7.2 UJ	**4.8 J**	**6.8 J**	**3.6 J**	**7.1 B**	4.0 U	4.5 U	6.4 U	5.7 UJ	**2.4 J**	**6.2 J**
Acrolein (propenal)	NE	**0.18 J**	0.46 U	0.46 U	1.2 UJ	1.2 U	**0.34 J**	1.2 U	1.2 U	1.2 U	0.46 U	0.46 U	1.2 U	1.2 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	0.63 U	0.63 U
Benzothiophene	NE	1.1 U	1.1 UJ	14 UJ	1.1 U	1.1 U	1.1 U	1.1 U	2.7 U	2.7 U	1.1 UJ	1.1 U	1.1 U	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 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
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	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	0.78 U	0.78 U
Butadiene, 1,3-	NE	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	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Butane	NE	**0.71**	**1.4**	**1.2**	**0.31 J**	**1.3**	**3.2**	**8.7**	**0.16 J**	**0.40 J**	**1.6**	**0.63**	**0.64**	**0.38 J**	**1.1**	**5.0**
Butanone, 2-	17	**0.94**	0.59 U	**0.80**	**0.37 J**	**0.77**	**0.77**	**1.7**	**0.50 J**	**0.80**	**0.38 J**	0.59 U	**0.88**	**0.56 J**	0.59 U	**1.3**
Carbon disulfide	NE	**0.19 J**	0.62 U	0.62 U	0.62 U	0.62 U	**0.47 J**	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	**0.19 J**	0.62 U	0.62 U	0.62 U
Carbon tetrachloride	1	**0.50 J**	**0.56 J**	**0.44 J**	**0.49 J**	**0.63 J**	**0.82 J**	**0.50 J**	**0.51 J**	**0.50 J**	**0.56 J**	**0.62 J**	**0.44 J**	**0.63 J**	**0.44 J**	**0.50 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	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	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	0.98 U	0.98 U
Chloromethane	4.6	**0.99**	**1.3**	**1.2**	**1.2**	**1.2**	**1.4**	**1.1**	**0.88**	**1.0**	**1.2**	**0.99**	**1.1**	0.93 U	**1.0**	**1.0**
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	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	1.4 U	1.4 U
Cyclohexane	3	0.69 U	0.69 U	0.69 U	0.69 U	**0.24 J**	**0.28 J**	**0.31 J**	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	**0.28 J**
Decane, n-	3.6	**0.58 J**	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	**1.3**	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	**0.35 J**
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	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	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	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	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	**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
Dichlorodifluoromethane	11	**2.9**	**2.7**	**2.7**	**2.5**	**2.5**	**2.7**	**2.2**	**2.3**	**2.5**	**2.6**	**2.1**	**2.3**	**2.5**	**2.2**	**2.1**
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 UJ	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 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
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	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	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 UJ	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	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	0.91 U	0.91 U
Dioxane, 1,4-	NE	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	0.72 U	0.72 U
Dodecane, n-	7.6	**0.56 J**	**0.83 J**	1.4 U	1.4 U	1.4 UJ	1.4 U	**1.9**	**0.65 J**	1.4 U	1.4 UJ	1.4 UJ	**0.42 J**	1.4 UJ	1.4 UJ	1.4 U
Ethanol	220	**5.1**	**2.3**	**3.6**	2.5 U	3.2 U	**4.8**	**12**	**1.7 J**	**2.7**	**2.3**	**8.6**	**4.9**	**4.5**	**1.9**	**8.8**
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	0.92 U	0.92 U
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	0.98 U	**0.25 J**
Heptane, n-	5.1	**0.33 J**	0.82 U	0.82 U	0.82 U	0.82 U	**0.49 J**	**0.61 J**	0.82 U	0.82 U	0.82 U	0.82 UJ	0.82 U	0.82 U	0.82 U	**0.61 J**
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	2.1 U	2.1 U
Hexane, n-	3.6	**0.39 J**	0.70 U	**0.35 J**	0.70 U	**1.0**	**1.2 J**	**0.95**	**0.19 J**	0.70 U	0.70 U	0.70 U	**0.46 J**	0.70 U	0.70 U	**1.1**

Table 5-2
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]	OU2AA04 9/23/2008	OU2AA04 12/30/2008	OU2AA04 3/25/2009	OU2AA04 6/16/2009	OU2AA-04 9/23/2009	OU2AA-04 12/28/2009	OU2AA-04 3/18/2010	OU2AA-04 6/7/2010	OU2AA-04 9/22/2010	OU2AA05 12/30/2008	OU2AA05 3/13/2009	OU2AA05 6/25/2009	OU2AA-05 9/25/2009	OU2AA-05 12/30/2009	OU2AA-05 3/20/2010
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	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	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	0.95 U	0.95 U
Isopropyl benzene	0.4	NA	NA	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 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	0.82 U	0.82 UJ	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
Methylene chloride	2.9	0.76 U	1.7 U	1.7 U	1.7 U	1.7 U	**1.5 J**	**1.0 J**	**1.1 J**	**1.6 J**	1.7 U	1.7 U	**0.49 J**	1.7 U	**0.56 J**	**0.59 J**
Methylnaphthalene, 1-	NE	1.2 U	R	5.8 U	1.2 U	1.2 UJ	1.2 U	1.2 U	2.9 U	2.9 U	R	1.2 U	1.2 U	1.2 UJ	1.2 U	2.9 UJ
Methylnaphthalene, 2-	NE	1.2 U	14 UJ	5.8 U	1.2 U	1.2 U	1.2 U	1.2 U	2.9 U	2.9 U	14 UJ	1.2 U	1.2 U	1.2 U	1.2 U	2.9 UJ
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	0.80 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	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	**0.37 J**	1.0 U	1.0 U	1.0 U	1.0 U	**0.26 J**	1.0 U	1.0 U	**0.31 J**
Nonane	1.2	**0.52 J**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**0.47 J**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**0.37 J**
Octane, n-	2.1	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	**0.28 J**	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	**0.28 J**
Pentane	NE	**0.71**	**0.65**	**0.74**	**0.29 J**	**1.6**	**1.7**	**45**	0.59 U	0.59 U	**0.65**	**0.27 J**	**0.77**	0.59 U	**0.53 J**	**3.1**
Propanol, 2-	NE	0.49 U	0.52 UJ	0.61 U	1.2 U	**0.96 J**	**0.66 J**	**2.8**	1.2 U	1.2 U	0.48 U	1.2 U	1.2 U	**1.0 J**	**0.34 J**	**0.59 J**
Propylbenzene, n-	0.5	NA	NA	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	0.85 U	0.85 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	0.61 U	0.61 U	1.5 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	1.4 U	1.4 U	1.4 U
Tetrachloroethene	1.6	**0.81 J**	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	**1.1 J**	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	**0.41 J**
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	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	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Thiophene	NE	0.69 U	0.69 U	0.69 U	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	0.79 U	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	**0.69 J**	**0.73 J**	**0.61 J**	**0.59 J**	**0.69 J**	**0.69 J**	**0.54 J**	**0.57 J**	**0.46 J**	**0.74 J**	1.5 U	**0.61 J**	**0.69 J**	**0.54 J**	**0.54 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	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 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
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	1.1 U	1.1 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	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichlorofluoromethane	6.1	**1.5**	**1.3**	**1.4**	**1.6**	**1.6 J**	**1.5**	**1.3**	**1.2**	**1.2**	**1.4**	**1.1 J**	**1.4**	**1.6 J**	**1.1**	**1.2**
Trimethylbenzene, 1,2,3-	0.6	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	0.98 U	0.98 U	0.98 U	0.98 U
Trimethylbenzene, 1,2,4-	2.5	0.98 U	0.98 U	0.98 U	0.98 U	**0.54 J**	0.98 U	**0.44 J**	0.98 U	0.98 U	0.98 U	0.98 U	**0.39 J**	0.98 U	0.98 U	**0.64 J**
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	0.98 U	0.98 U
Trimethylpentane, 2,2,4-	2	**0.37 J**	0.93 U	0.93 U	0.93 U	**0.89 J**	0.93 U	**0.51 J**	0.93 U	0.93 U	0.93 U	0.93 U	**0.51 J**	0.93 U	0.93 U	**0.89 J**
Undecane, n-	2.3	**0.45 J**	**0.54 J**	1.3 U	1.3 U	1.3 U	1.3 U	**2.4**	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	**0.45 J**
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	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	0.51 U	0.51 U

Table 5-2
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]	OU2AA-05 6/25/2010	OU2AA-05 9/18/2010	OZ-AA6 10/23/2009	OZ-AA6 10/29/2009	OZ-AA6 11/2/2009	OZ-AA6 11/6/2009	OZ-AA6 11/9/2009	OZ-AA6 11/16/2009	OZ-AA6 11/23/2009	OZAA-6 12/4/2009	OZ-AA6 12/11/2009	OZ-AA6 12/17/2009	OZAA-06 12/22/2009	OZAA-06 1/12/2010	OZAA-06 2/25/2010
BTEX (ug/m^3)																
Benzene	5.8	**0.69**	**0.38 J**	**0.45 J**	0.70 U	**1.1**	**0.48 J**	**1.3**	**0.61 J**	**0.48 J**	**0.61 J**	**0.48 J**	**0.26 J**	**0.35 J**	**0.73**	**0.80**
Toluene	21	**6.5**	**0.94**	**0.87**	**2.3**	**8.0**	**1.4**	**3.7**	**1.3**	**0.83**	**1.4**	**0.79**	**0.41 J**	**0.60 J**	**0.94**	**2.3**
Ethylbenzene	1.9	**1.3**	0.87 U	0.87 U	**0.26 J**	**0.78 J**	0.87 U	**0.61 J**	0.87 U	0.87 U	0.87 U	**0.39 J**	0.87 U	0.87 U	0.87 U	**0.35 J**
Xylene, m,p-	3.1	**3.2**	**0.43 J**	**0.48 J**	**0.91 J**	**2.6**	**0.61 J**	**1.6 J**	**0.56 J**	1.7 U	1.7 U	**0.95 J**	1.7 U	1.7 U	1.7 U	**0.82 J**
Xylene, o-	2.5	**1.1**	0.87 U	0.87 U	**0.30 J**	**1.0**	**0.22 J**	**0.65 J**	**0.22 J**	0.87 U	0.87 U	**1.6**	0.87 U	0.87 U	0.87 U	**0.26 J**
Other VOCs (ug/m^3)																
Acetaldehyde	NE	**18**	**10**	**5.0**	5.7 U	**7.4 J**	4.5 UJ	**9.1 J**	4.5 U	**5.3**	2.7 U	**3.3**	5.3 U	**2.4**	**3.7 J**	**5.6 J**
Acetone	58	**7.5 J**	**5.2 JB**	4.2 U	3.5 U	**3.5 J**	**4.4 J**	**8.7 J**	**3.6 J**	3.2 U	4.8 UJ	3.9 UJ	3.1 UJ	3.1 UJ	2.5 U	**3.9 J**
Acrolein (propenal)	NE	1.2 U	1.2 U	1.2 U	**0.34 J**	**0.34 J**	1.2 U	**0.41 J**	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 UJ
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	0.63 U	0.63 U
Benzothiophene	NE	1.1 U	2.7 U	1.1 U	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 U	1.1 U	1.1 U	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	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 UJ	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	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	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Butane	NE	**0.42 J**	**0.48**	**0.90**	**1.1**	**7.0**	**3.0**	**4.2**	**1.8**	**1.1**	**1.8**	**2.0**	**0.78**	**0.74**	**1.5**	**2.6**
Butanone, 2-	17	**1.9**	**0.41 J**	**0.50 J**	**2.3**	**1.4**	**0.47 J**	**1.8**	**0.53 J**	**0.47 J**	0.59 U	0.59 U	0.59 U	**0.27 J**	**0.50 J**	**0.77**
Carbon disulfide	NE	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	**0.53 J**	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.60 U	0.62 U
Carbon tetrachloride	1	**0.48 J**	**0.44 J**	**0.50 J**	**0.50 J**	**0.50 J**	**0.50 J**	**0.50 J**	**0.44 J**	**0.50 J**	**0.38 J**	**0.38 J**	1.3 U	**0.44 J**	**0.44 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	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	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	0.98 U	0.98 U
Chloromethane	4.6	**1.0**	**0.99**	**0.91**	**1.1**	**0.99**	**0.85**	**1.1**	**1.0**	**0.93**	**1.1**	**1.1**	**1.1**	**1.0**	**0.99**	**1.0**
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	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	1.4 U	1.4 U
Cyclohexane	3	**0.29 J**	0.69 U	0.69 U	0.69 U	**0.79**	0.69 U	**0.38 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
Decane, n-	3.6	**29**	**0.47 J**	1.2 U	1.2 U	**0.87 J**	1.2 U	**0.47 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	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	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	1.2 U	1.2 U
Dichlorobenzene, 1,3-	0.7	**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	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	1.2 U	1.2 U
Dichlorodifluoromethane	11	**2.3**	**2.2**	**2.3**	**2.5**	**2.4**	**2.3**	**2.4**	**2.5**	**2.4**	**2.1**	**2.3**	**2.4**	**2.1**	**2.0**	**2.0**
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	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	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	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	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	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	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	0.91 U	0.91 U
Dioxane, 1,4-	NE	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-	7.6	**19**	**0.63 J**	1.4 U	**0.42 J**	**1.2 J**	1.4 U	**0.49 J**	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 UJ	1.4 U	1.4 U
Ethanol	220	**7.9**	**3.2**	**3.9**	**18**	**5.9**	**2.6**	**6.0**	**3.6**	**2.1**	**3.0**	**3.6**	1.9 U	**2.0**	**1.8 J**	**1.7 J**
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	0.92 U	0.92 U
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	0.98 U	0.98 U
Heptane, n-	5.1	0.82 U	**0.25 J**	0.82 U	**0.29 J**	**0.78 J**	**0.25 J**	**0.98**	**0.33 J**	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	**0.25 J**
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 UJ	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	**0.80**	0.70 U	**0.28 J**	**0.49 J**	**2.4**	**0.46 J**	**1.2**	**0.53 J**	**0.28 J**	**0.35 J**	**0.28 J**	0.70 U	0.70 U	**0.39 J**	**0.56 J**

Table 5-2
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]	OU2AA-05 6/25/2010	OU2AA-05 9/18/2010	OZ-AA6 10/23/2009	OZ-AA6 10/29/2009	OZ-AA6 11/2/2009	OZ-AA6 11/6/2009	OZ-AA6 11/9/2009	OZ-AA6 11/16/2009	OZ-AA6 11/23/2009	OZAA-6 12/4/2009	OZ-AA6 12/11/2009	OZ-AA6 12/17/2009	OZAA-06 12/22/2009	OZAA-06 1/12/2010	OZAA-06 2/25/2010
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	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 UJ	0.97 U	0.97 U	0.97 UJ	0.97 U	0.97 U
Indene	NE	0.95 UJ	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 UJ	0.95 UJ	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	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	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 U	0.82 U	0.82 U	0.82 U	0.82 U
Methylene chloride	2.9	**15**	**1.2 J**	1.7 U	**0.56 J**	**0.56 J**	**0.49 J**	**0.76 J**	**0.80 J**	1.7 U	**0.66 J**	1.7 U	1.7 U	1.7 U	**0.56 J**	**0.66 J**
Methylnaphthalene, 1-	NE	2.9 U	2.9 U	1.2 UJ	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 UJ	1.2 UJ	1.2 U	1.2 U	1.2 U	1.2 U
Methylnaphthalene, 2-	NE	2.9 U	2.9 U	1.2 U	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ	1.2 U	1.2 UJ	1.2 UJ	1.2 U	1.2 U	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	0.80 U	0.80 U	0.80 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	0.80 U	0.80 U
Naphthalene	10	**0.37 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	1.0 U	1.0 U	1.0 U	**0.37 J**	1.0 U	1.0 U
Nonane	1.2	**0.42 J**	**0.42 J**	1.0 U	1.0 U	1.0 U	1.0 U	**0.26 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	**0.36 J**	0.93 U	0.93 U	0.93 U	**0.37 J**	0.93 U	**0.28 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
Pentane	NE	**27**	**0.41 J**	**0.56 J**	**1.3**	**9.7**	**0.74**	**7.9**	**1.1**	**0.56 J**	**0.86**	**1.1**	**0.41 J**	**0.41 J**	**0.65**	**1.0**
Propanol, 2-	NE	**3.4**	**0.52 J**	1.2 U	**1.0 J**	**1.7**	1.2 U	**2.4**	**0.47 J**	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	**0.37 J**	1.2 U
Propylbenzene, n-	0.5	**NA**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.6	**2.4**	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	NE	**0.23 J**	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-	<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	1.4 U	1.4 U
Tetrachloroethene	1.6	1.4 U	**0.47 J**	1.4 U	1.4 U	**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	1.4 U	**0.68 J**
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	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 UJ	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
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	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	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	**0.55 J**	**0.54 J**	**0.54 J**	**0.54 J**	**0.54 J**	**0.46 J**	**0.54 J**	**0.54 J**	**0.54 J**	**0.46 J**	1.5 U	1.5 U	**0.46 J**	**0.46 J**	**0.61 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 UJ	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	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	1.1 U	1.1 U
Trichloroethene	0.5	1.1 U	1.1 U	1.1 U	**0.86 J**	**0.86 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	**1.3**	**1.2**	**1.2**	**1.4**	**1.3**	**1.2**	**1.3**	**1.3**	**1.2**	**1.1**	**1.2**	**1.2**	**1.1**	**1.0 J**	**1.1 J**
Trimethylbenzene, 1,2,3-	0.6	**0.26 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 UJ	0.98 U	0.98 U	0.98 UJ	0.98 U	0.98 U
Trimethylbenzene, 1,2,4-	2.5	**0.71 J**	**0.44 J**	0.98 U	**0.25 J**	**0.49 J**	0.98 U	**0.49 J**	0.98 UJ	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-	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	0.98 U	0.98 U
Trimethylpentane, 2,2,4-	2	0.93 U	**0.37 J**	0.93 U	**0.33 J**	**1.4**	0.93 U	**1.1**	**0.56 J**	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	**0.47 J**	0.93 U
Undecane, n-	2.3	**64 J**	1.3 U	1.3 U	1.3 U	**0.32 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
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	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	0.51 U	0.51 U

Table 5-2
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]	OZAA-06 3/24/2010	OZAA-06 4/15/2010	OZAA-06 5/17/2010	OZAA-06 6/22/2010	OZAA-6 7/27/2010	OZAA-6 8/30/2010	OZAA-6 9/16/2010	OZ-AA7 10/23/2009	OZ-AA7 10/29/2009	OZ-AA7 11/2/2009	OZ-AA7 11/6/2009	OZ-AA7 11/9/2009	OZ-AA7 11/16/2009	OZ-AA7 11/23/2009	OZAA-7 12/4/2009
BTEX (ug/m^3)																
Benzene	5.8	**0.32 J**	**0.54 J**	**0.38 J**	**0.33 J**	**0.38 J**	**0.44 J**	**0.41 J**	**0.61 J**	0.80 U	**0.93**	**0.38 J**	**1.3**	**0.51 J**	**0.54 J**	**0.51 J**
Toluene	21	**0.41 J**	**1.9**	**1.3**	**2.3**	**1.2**	**1.6**	**1.1**	**0.94**	**2.0**	**4.8**	**0.83**	**2.6**	**0.79**	**1.2**	**1.2**
Ethylbenzene	1.9	0.87 U	**0.26 J**	0.87 U	**0.38 J**	0.87 U	0.87 U	**0.26 J**	0.87 U	**0.35 J**	**0.43 J**	0.87 U	**0.43 J**	0.87 U	0.87 U	0.87 U
Xylene, m,p-	3.1	1.7 U	**0.82 J**	**0.48 J**	**0.99 J**	1.7 U	**0.52 J**	**0.77 J**	**0.56 J**	**1.2 J**	**1.3 J**	1.7 U	**1.1 J**	1.7 U	**0.56 J**	1.7 U
Xylene, o-	2.5	0.87 U	**0.30 J**	0.87 U	**0.25 J**	0.87 U	0.87 U	**0.30 J**	0.87 U	**0.43 J**	**0.56 J**	0.87 U	**0.48 J**	0.87 U	0.87 U	0.87 U
Other VOCs (ug/m^3)																
Acetaldehyde	NE	**7.5**	**7.2 J**	**7.2**	**13**	**14 J**	**23**	**4.7**	**5.3**	4.5 U	5.9 U	4.5 UJ	**8.2 J**	**4.4 J**	**3.6 J**	3.7 U
Acetone	58	**6.2 J**	**6.7 J**	**6.1 J**	**8.2 J**	**10 J**	**11**	**7.6**	4.4 U	4.8 U	**3.2 J**	**3.9 J**	**6.4 J**	**4.2 J**	**6.8 J**	3.6 UJ
Acrolein (propenal)	NE	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
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	0.63 U	0.63 U
Benzothiophene	NE	1.1 U	1.1 U	2.7 U	1.1 U	2.7 U	2.7 U	2.7 U	1.1 U	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	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	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 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	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	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Butane	NE	**0.62**	**2.4**	**0.81**	**0.50**	**0.90**	**1.3**	**0.59**	**0.93**	**0.97**	**4.2**	**2.6**	**4.5**	**1.2**	**1.3**	**2.0**
Butanone, 2-	17	**0.68**	**1.1**	**0.91**	**0.62**	**1.3**	**1.6**	**0.55 J**	**0.38 J**	**7.0**	**1.0**	0.59 U	**1.4**	**0.56 J**	**0.56 J**	0.59 U
Carbon disulfide	NE	**0.19 J**	**0.37 J**	0.62 U	0.62 U	**0.27 J**	**0.19 JB**	**0.24 J**	0.62 U	0.62 U	0.62 U	0.62 U	**0.28 J**	0.62 U	0.62 U	0.62 U
Carbon tetrachloride	1	**0.50 J**	**0.57 J**	**0.44 J**	**0.47 J**	**0.54 J**	**0.50 J**	**0.51 J**	**0.63 J**	**0.44 J**	**0.50 J**	**0.44 J**	**0.50 J**	**0.50 J**	**0.57 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	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	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	0.98 U	0.98 U
Chloromethane	4.6	**1.2**	**0.95**	**1.0**	**1.0**	**1.0**	**1.1**	**0.90**	**0.93**	**0.95**	**1.0**	**0.89**	**1.1**	**1.0**	**1.2**	**0.99**
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	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	1.4 U	1.4 U
Cyclohexane	3	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	**0.41 J**	0.69 U	**0.24 J**	0.69 U	0.69 U	0.69 U
Decane, n-	3.6	1.2 U	**0.35 J**	1.2 U	**9.9**	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
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	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	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	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	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	1.2 U	1.2 U
Dichlorodifluoromethane	11	**2.7**	**2.6**	**2.3**	**2.2**	**2.2**	**2.4**	**2.1**	**2.3**	**2.4**	**2.5**	**2.3**	**2.5**	**2.4**	**2.7**	**2.3**
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	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	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	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	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	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	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	0.91 U	0.91 U
Dioxane, 1,4-	NE	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-	7.6	1.4 U	**0.63 J**	**0.35 J**	**76**	1.4 U	**0.40 J**	**1.2 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
Ethanol	220	**1.5 J**	**4.0**	**2.9**	**3.0**	**4.7**	**5.8**	**3.5**	**3.5**	**5.1**	**4.8**	**1.8 J**	**4.5**	**2.8**	**3.1**	**3.2**
Ethylthiophene, 2-	NE	0.92 U	0.92 U	0.92 U	0.92 U	**0.50 J**	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
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	0.98 U	0.98 U
Heptane, n-	5.1	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	**0.22 J**	**0.23 J**	0.82 U	**0.25 J**	**0.61 J**	0.82 U	**0.49 J**	0.82 U	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 UJ	2.1 U	2.1 U
Hexane, n-	3.6	0.70 U	**0.39 J**	**0.28 J**	**0.34 J**	**0.38 J**	**0.46 J**	**0.46 J**	**0.35 J**	**0.39 J**	**1.7**	**0.21 J**	**0.99**	**0.35 J**	**0.39 J**	**0.28 J**

Table 5-2
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]	OZAA-06 3/24/2010	OZAA-06 4/15/2010	OZAA-06 5/17/2010	OZAA-06 6/22/2010	OZAA-6 7/27/2010	OZAA-6 8/30/2010	OZAA-6 9/16/2010	OZ-AA7 10/23/2009	OZ-AA7 10/29/2009	OZ-AA7 11/2/2009	OZ-AA7 11/6/2009	OZ-AA7 11/9/2009	OZ-AA7 11/16/2009	OZ-AA7 11/23/2009	OZAA-7 12/4/2009
Hexanone, 2-	NE	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	0.82 U	0.82 U
Indan	NE	0.97 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	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 UJ
Indene	NE	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	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 UJ
Isopropyl benzene	0.4	NA	NA	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 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 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	0.82 U	0.82 U
Methylene chloride	2.9	**2.6**	**0.59 J**	1.7 U	**1.1 J**	3.5 U	**0.78 JB**	**6.4 B**	1.7 U	**0.52 J**	**0.59 J**	**0.52 J**	**0.62 J**	**0.52 J**	1.7 U	**0.90 J**
Methylnaphthalene, 1-	NE	1.2 U	**15 J**	**4.2 J**	2.9 U	5.8 U	2.9 U	2.9 U	1.2 UJ	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 UJ
Methylnaphthalene, 2-	NE	1.2 U	**34 J**	**11 J**	2.9 U	5.8 U	2.9 U	2.9 U	1.2 U	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ
Methylthiophene, 2-	NE	0.80 U	0.80 U	0.80 U	0.80 U	**0.65 J**	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-	NE	0.80 U	0.80 U	0.80 U	0.80 U	**0.76 J**	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	**1.4 J**	**0.73 J**	**0.47 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	1.0 U	1.0 U	1.0 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	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	0.93 U	**2.2**	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
Pentane	NE	**0.50 J**	**1.4**	**0.65**	**0.51 J**	**1.3**	**0.85**	**0.52 J**	**0.62**	**0.86**	**4.8**	**0.56 J**	**2.5**	**0.65**	**1.3**	**1.0**
Propanol, 2-	NE	1.2 U	**0.47 J**	1.2 U	1.2 U	**0.49 J**	**0.62 J**	**0.77 J**	1.2 U	**0.42 J**	**0.42 J**	1.2 U	**0.52 J**	1.2 U	**0.56 J**	1.2 U
Propylbenzene, n-	0.5	NA	**NA**	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	0.85 U	0.85 U
t-Butyl alcohol	NE	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	**0.17 J**	0.61 U	0.61 U	**0.21 J**	0.61 U	0.61 U	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	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	1.4 U	1.4 U	1.4 U	**1.2 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	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	1.1 U	**0.55 J**	1.1 U	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	1.1 UJ	1.1 U
Thiophene	NE	0.69 U	0.69 U	0.69 U	0.69 U	**0.58 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	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	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	**0.69 J**	**0.61 J**	**0.46 J**	**0.51 J**	**0.54 J**	**0.67 J**	**0.45 J**	**0.46 J**	**0.54 J**	**0.54 J**	**0.54 J**	**0.54 J**	**0.54 J**	**0.61 J**	**0.54 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 UJ	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	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	1.1 U	1.1 U
Trichloroethene	0.5	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	**0.78 JB**	1.1 U	**1.2**	**0.91 J**	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichlorofluoromethane	6.1	**1.4**	**1.5**	**1.2**	**1.1**	**1.3**	**1.3**	**1.1 J**	**1.2**	**1.3**	**1.4**	**1.1**	**1.4**	**1.3**	**1.5**	**1.4**
Trimethylbenzene, 1,2,3-	0.6	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	0.98 U	0.98 UJ
Trimethylbenzene, 1,2,4-	2.5	0.98 U	**0.39 J**	**0.25 J**	**0.30 J**	0.98 U	0.98 U	0.98 U	0.98 U	**0.29 J**	**0.34 J**	0.98 U	**0.34 J**	0.98 UJ	0.98 U	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	0.98 U	0.98 U
Trimethylpentane, 2,2,4-	2	0.93 U	0.93 U	0.93 U	**0.36 J**	**0.41 J**	**0.49 J**	**0.42 J**	0.93 U	**0.28 J**	**1.4**	0.93 U	**1.0**	0.93 U	0.93 U	0.93 U
Undecane, n-	2.3	1.3 U	1.3 U	1.3 U	**1.4 J**	1.3 U	1.3 U	**0.49 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
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	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	0.51 U	0.51 U

Table 5-2
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]	OZ-AA7 12/11/2009	OZ-AA7 12/17/2009	OZAA-07 12/22/2009	OZAA-07 1/12/2010	OZAA-07 2/25/2010	OZAA-07 3/24/2010	OZAA-07 4/15/2010	OZAA-07 5/17/2010	OZAA-07 6/22/2010	OZAA-7 7/27/2010	OZAA-7 8/30/2010	OZAA-7 9/16/2010	OZ-AA8 10/23/2009	OZ-AA8 10/29/2009	OZ-AA8 11/2/2009
BTEX (ug/m^3)																
Benzene	5.8	**0.51 J**	**0.38 J**	**0.38 J**	**0.73**	**1.0**	**0.29 J**	**0.45 J**	**0.48 J**	**0.38 J**	**0.63 J**	**0.43 J**	**0.38 J**	**0.51 J**	**5.0**	**2.2**
Toluene	21	**0.87**	**0.49 J**	**0.56 J**	**1.0**	**2.5**	**0.38 J**	**1.4**	**1.2**	**2.6**	**2.1**	**1.2**	**0.83**	**1.1**	**28**	**16**
Ethylbenzene	1.9	0.87 U	0.87 U	0.87 U	0.87 U	**0.35 J**	**1.9**	0.87 U	0.87 U	**0.32 J**	**0.26 J**	0.87 U	0.87 U	0.87 U	**4.3**	**2.4**
Xylene, m,p-	3.1	1.7 U	1.7 U	1.7 U	1.7 U	**0.95 J**	**2.1**	**0.56 J**	**0.48 J**	**0.75 J**	**0.58 J**	1.7 U	**0.56 J**	**0.69 J**	**15**	**7.6**
Xylene, o-	2.5	0.87 U	0.87 U	0.87 U	0.87 U	**0.35 J**	**0.43 J**	**0.26 J**	0.87 U	**0.24 J**	**0.23 J**	0.87 U	0.87 U	**0.22 J**	**5.3**	**3.0**
Other VOCs (ug/m^3)																
Acetaldehyde	NE	**3.9**	5.2 U	**7.0**	**3.2 J**	**2.8 J**	**4.5**	**6.0 J**	**10**	**26**	**9.0 J**	**21**	**7.2**	**4.2**	7.8 U	5.0 U
Acetone	58	3.4 UJ	3.9 UJ	2.4 UJ	3.5 U	**3.5 J**	**3.2 J**	**6.5 J**	**5.3 J**	**8.5 J**	**12 J**	**12**	**5.3 JB**	5.8 U	1.8 UJ	**1.4 J**
Acrolein (propenal)	NE	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 U	1.2 U	1.2 U	1.2 U	1.2 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	0.63 U	0.63 U
Benzothiophene	NE	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	2.7 U	2.7 U	2.7 U	1.1 U	1.1 UJ	1.1 UJ
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	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	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	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	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Butane	NE	**2.1**	**0.95**	**0.86**	**1.6**	**2.6**	**0.59**	**1.5**	**1.1**	**0.40 J**	**1.4**	**1.1**	**0.57**	**1.0**	**5.9**	**5.1**
Butanone, 2-	17	0.59 U	**0.50 J**	**0.47 J**	**0.56 J**	**0.74**	0.59 U	**0.71**	**0.85**	**0.58 J**	**1.2**	**1.8**	**0.68**	**0.38 J**	**2.1**	**0.94**
Carbon disulfide	NE	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	**0.20 J**	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U
Carbon tetrachloride	1	**0.31 J**	**0.44 J**	**0.44 J**	**0.50 J**	**0.57 J**	**0.38 J**	**0.44 J**	**0.44 J**	**0.50 J**	**0.48 J**	**0.53 J**	**0.50 J**	**0.63 J**	**0.50 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	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	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	0.98 U	0.98 U
Chloromethane	4.6	**1.0**	**1.0**	**1.2**	**0.99**	**1.0**	**1.0**	**1.0**	**1.1**	**1.1**	**0.93**	**1.1**	**0.93**	**0.99**	**1.1**	**1.0**
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	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	1.4 U	1.4 U
Cyclohexane	3	0.69 U	0.69 U	0.69 U	0.69 U	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	**6.2**	**2.7**
Decane, n-	3.6	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	**2.5**	1.2 U	**3.2**	1.2 U	1.2 U	**0.58 J**	**0.29 J**
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	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	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	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	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	1.2 U	1.2 U
Dichlorodifluoromethane	11	**2.2**	**2.2**	**2.2**	**2.3**	**2.2**	**2.6**	**2.5**	**2.4**	**2.3**	**2.3**	**2.5**	**2.3**	**2.3**	**2.5**	**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	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	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	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	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	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	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	0.91 U	0.91 U
Dioxane, 1,4-	NE	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-	7.6	1.4 U	1.4 U	1.4 UJ	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	**2.5**	1.4 U	**5.8**	**0.42 J**	1.4 U	1.4 U	1.4 U
Ethanol	220	**3.6**	1.9 U	**1.9**	**1.9**	**1.9 J**	**1.5 J**	**3.4**	**2.8**	**2.9**	**5.8**	**5.6**	**2.9**	**3.9**	**5.1**	**30**
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	0.92 U	0.92 U
Ethyltoluene, p-	NE	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	0.98 U	**1.1**	**0.69 J**
Heptane, n-	5.1	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	**0.32 J**	**0.23 J**	0.82 U	0.82 U	**8.6**	**4.2**
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	2.1 U	2.1 U
Hexane, n-	3.6	**0.25 J**	0.70 U	0.70 U	**0.39 J**	**0.56 J**	0.70 U	**0.25 J**	0.70 U	**0.27 J**	**0.43 J**	**0.39 J**	0.70 U	**0.42 J**	**21**	**10**

Table 5-2
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]	OZ-AA7 12/11/2009	OZ-AA7 12/17/2009	OZAA-07 12/22/2009	OZAA-07 1/12/2010	OZAA-07 2/25/2010	OZAA-07 3/24/2010	OZAA-07 4/15/2010	OZAA-07 5/17/2010	OZAA-07 6/22/2010	OZAA-7 7/27/2010	OZAA-7 8/30/2010	OZAA-7 9/16/2010	OZ-AA8 10/23/2009	OZ-AA8 10/29/2009	OZ-AA8 11/2/2009
Hexanone, 2-	NE	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	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 UJ	0.97 U	0.97 U	**0.87 J**	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	**0.77 J**	**0.43 J**
Indene	NE	0.95 UJ	0.95 UJ	0.95 UJ	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	0.95 U
Isopropyl benzene	0.4	NA	NA	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 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	0.82 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
Methylene chloride	2.9	1.7 U	1.7 U	1.7 U	**0.56 J**	**0.62 J**	**0.52 J**	**0.62 J**	1.7 U	**0.91 J**	3.5 U	**2.5 B**	**5.2 B**	**0.52 J**	**0.56 J**	**0.49 J**
Methylnaphthalene, 1-	NE	1.2 UJ	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	**1.3 J**	2.9 UJ	2.9 U	5.8 U	2.9 U	2.9 U	1.2 UJ	1.2 U	1.2 U
Methylnaphthalene, 2-	NE	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	**3.0 J**	2.9 U	2.9 U	5.8 U	2.9 U	2.9 U	1.2 U	**0.52 J**	1.2 UJ
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	0.80 U	0.80 U	0.80 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	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	1.0 U	1.0 U	1.0 U	1.0 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	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**1.5**	**0.68 J**
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	**1.6**	0.93 U	**1.4**	0.93 U	0.93 U	**3.2**	**1.4**
Pentane	NE	**1.0**	**0.50 J**	**0.47 J**	**1.3**	**1.2**	**0.38 J**	**0.86**	**1.4**	**0.43 J**	**1.1**	**0.72**	**0.47 J**	**0.62**	**28**	**9.4**
Propanol, 2-	NE	1.2 U	1.2 U	1.2 U	**0.66 J**	**0.66 J**	1.2 U	1.2 U	1.2 U	1.2 U	**0.96 J**	**0.63 J**	1.2 U	1.2 U	**0.42 J**	**0.49 J**
Propylbenzene, n-	0.5	NA	NA	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	0.85 U	0.85 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	0.61 U	0.61 U	**0.32 J**	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	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	1.4 U	**1.1 J**	1.4 U	1.4 U	1.4 U	1.4 U	**0.60 J**	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	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	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	**0.38 J**	**0.27 J**
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	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	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	1.5 U	**0.38 J**	1.5 U	**0.46 J**	**0.46 J**	**0.54 J**	**0.61 J**	**0.54 J**	**0.56 J**	**0.51 J**	**0.64 J**	**0.46 J**	**0.54 J**	**0.54 J**	**0.54 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	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	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	1.1 U	1.1 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	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	**1.3**	**0.91 J**
Trichlorofluoromethane	6.1	**1.1**	**1.1**	**1.1**	**1.0 J**	**1.1**	**1.2**	**1.4**	**1.3**	**1.2**	**1.3**	**1.4**	**1.1**	**1.2**	**1.3**	**1.3**
Trimethylbenzene, 1,2,3-	0.6	0.98 U	0.98 U	0.98 UJ	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	**1.2**	**0.79 J**
Trimethylbenzene, 1,2,4-	2.5	0.98 U	0.98 U	0.98 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	**0.25 J**	**4.3**	**2.6**
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	**1.4**	**0.79 J**
Trimethylpentane, 2,2,4-	2	0.93 U	0.93 U	0.93 U	**0.42 J**	0.93 U	0.93 U	0.93 U	0.93 U	**0.48 J**	**0.81 J**	**0.36 J**	0.93 U	0.93 U	**13**	**9.6**
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	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	**0.38 J**	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	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	0.51 U	0.51 U

Table 5-2
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]	OZ-AA8 11/6/2009	OZ-AA8 11/9/2009	OZ-AA8 11/16/2009	OZ-AA8 11/23/2009	OZAA-8 12/4/2009	OZ-AA8 12/11/2009	OZ-AA8 12/17/2009	OZAA-08 12/22/2009	OZAA-08 1/12/2010	OZAA-08 2/25/2010	OZAA-08 3/24/2010	OZAA-08 4/15/2010	OZAA-08 5/17/2010	OZAA-08 6/22/2010	OZAA-8 7/27/2010
BTEX (ug/m^3)																
Benzene	5.8	**0.54 J**	**1.2**	**0.67**	**0.54 J**	**0.57 J**	**0.54 J**	**0.32 J**	**0.35 J**	**0.70**	**0.83**	**0.29 J**	**0.54 J**	**0.45 J**	**0.33 J**	**0.36 J**
Toluene	21	**2.4**	**2.6**	**1.6**	**0.94**	**1.5**	**0.90**	**0.56 J**	**0.56 J**	**0.90**	**2.0**	**0.45 J**	**2.0**	**1.3**	**2.4**	**1.0**
Ethylbenzene	1.9	**0.39 J**	**0.39 J**	**0.22 J**	0.87 U	0.87 U	**0.91**	0.87 U	0.87 U	0.87 U	**0.26 J**	0.87 U	**0.26 J**	0.87 U	**0.34 J**	0.87 U
Xylene, m,p-	3.1	**1.2 J**	**1.3 J**	**0.74 J**	**0.48 J**	1.7 U	**3.0**	1.7 U	1.7 U	1.7 U	**0.78 J**	1.7 U	**0.78 J**	**0.48 J**	**0.79 J**	1.7 U
Xylene, o-	2.5	**0.43 J**	**0.52 J**	**0.30 J**	**0.22 J**	0.87 U	**4.7**	0.87 U	0.87 U	0.87 U	**0.26 J**	0.87 U	**0.30 J**	0.87 U	**0.25 J**	0.87 U
Other VOCs (ug/m^3)																
Acetaldehyde	NE	4.5 UJ	**7.0 J**	4.5 U	**4.4 J**	3.0 U	**5.3**	4.7 U	**2.0**	**4.3 J**	**5.2 J**	**6.0**	**11 J**	**8.6**	**43**	**15 J**
Acetone	58	**6.0 J**	**6.6 J**	**3.4 J**	3.8 U	3.6 UJ	3.5 UJ	3.9 UJ	2.4 UJ	2.9 U	**3.6 J**	**2.6 J**	**5.8 J**	**5.2 J**	**12 J**	**9.0 J**
Acrolein (propenal)	NE	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	1.2 U	1.2 U	1.2 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	0.63 U	0.63 U
Benzothiophene	NE	1.1 UJ	1.1 UJ	1.1 UJ	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	2.7 U	1.1 U	2.7 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	1.3 U	1.3 U
Bromoform	NE	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	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	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	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Butane	NE	**2.2**	**4.0**	**2.2**	**1.1**	**1.8**	**1.9**	**0.90**	**0.88**	**1.6**	**2.7**	**0.64**	**3.4**	**1.0**	**0.53**	**0.77**
Butanone, 2-	17	0.59 U	**1.3**	**0.56 J**	**0.41 J**	0.59 U	0.59 U	**0.38 J**	**0.29 J**	**0.59**	**0.71**	**0.53 J**	**1.1**	**0.74**	**0.82**	**1.1**
Carbon disulfide	NE	0.62 U	**0.19 J**	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U
Carbon tetrachloride	1	**0.44 J**	**0.50 J**	**0.50 J**	**0.50 J**	**0.44 J**	**0.44 J**	**0.38 J**	**0.44 J**	**0.44 J**	**0.50 J**	**0.50 J**	**0.50 J**	**0.57 J**	**0.40 J**	**0.48 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	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	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	**5.3**	0.98 U
Chloromethane	4.6	**0.91**	**1.1**	**0.93**	**0.93**	**1.1**	**1.1**	**1.1**	**1.1**	**1.1**	**1.1**	**1.1**	**1.1**	**1.2**	**0.96**	**0.94**
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	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	1.4 U	1.4 U
Cyclohexane	3	**0.48 J**	**0.28 J**	**0.21 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	0.69 UJ	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	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	**2.7**	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	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	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	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	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	1.2 U	1.2 U
Dichlorodifluoromethane	11	**2.4**	**2.6**	**2.4**	**2.4**	**2.3**	**2.3**	**2.2**	**2.2**	**2.3**	**2.0**	**2.6**	**2.6**	**2.3**	**2.3**	**2.2**
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	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	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	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	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	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	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	0.91 U	0.91 U
Dioxane, 1,4-	NE	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-	7.6	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 UJ	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	**2.9**	1.4 U
Ethanol	220	**4.3**	**4.5**	**4.3**	**2.2**	**3.0**	**3.8**	1.9 U	**1.8 J**	**2.0**	**2.0**	**1.3 J**	**4.8**	**3.5**	**4.0**	**4.9**
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	0.92 U	0.92 U
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	0.98 U	0.98 U
Heptane, n-	5.1	**0.57 J**	**0.49 J**	**0.37 J**	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	**0.20 J**	0.82 U	0.82 U	0.82 U	**0.21 J**	0.82 U
Hexachlorobutadiene	7	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	2.1 U	2.1 U	2.1 U
Hexane, n-	3.6	**1.5**	**0.92**	**0.81**	**0.28 J**	**0.39 J**	**0.32 J**	0.70 U	0.70 U	**0.35 J**	**0.49 J**	0.70 U	**0.49 J**	0.70 U	**0.26 J**	**0.30 J**

Table 5-2
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]	OZ-AA8 11/6/2009	OZ-AA8 11/9/2009	OZ-AA8 11/16/2009	OZ-AA8 11/23/2009	OZAA-8 12/4/2009	OZ-AA8 12/11/2009	OZ-AA8 12/17/2009	OZAA-08 12/22/2009	OZAA-08 1/12/2010	OZAA-08 2/25/2010	OZAA-08 3/24/2010	OZAA-08 4/15/2010	OZAA-08 5/17/2010	OZAA-08 6/22/2010	OZAA-8 7/27/2010
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 UJ	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 UJ	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	0.97 U
Indene	NE	0.95 U	0.95 U	0.95 U	0.95 U	0.95 UJ	0.95 UJ	0.95 UJ	0.95 UJ	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	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	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 U	0.82 UJ	0.82 U	0.82 U	0.82 U
Methylene chloride	2.9	**0.49 J**	**0.69 J**	**0.52 J**	1.7 U	**0.97 J**	1.7 U	1.7 U	**0.49 J**	**0.52 J**	**0.69 J**	**0.52 J**	**0.59 J**	1.7 U	**0.98 J**	3.5 U
Methylnaphthalene, 1-	NE	1.2 U	1.2 U	1.2 U	1.2 U	1.2 UJ	1.2 UJ	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	2.9 U	2.9 UJ	2.9 U	5.8 U
Methylnaphthalene, 2-	NE	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	2.9 U	2.9 U	2.9 U	5.8 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	0.80 U	0.80 U	0.80 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	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	1.0 U	1.0 U	1.0 U	1.0 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	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	**0.23 J**	**0.23 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	**1.8**	0.93 U
Pentane	NE	**1.0**	**2.2**	**1.4**	**0.56 J**	**0.88**	**0.86**	**0.47 J**	**0.41 J**	**0.68**	**1.2**	**0.41 J**	**1.9**	**0.88**	**0.50 J**	**0.90**
Propanol, 2-	NE	1.2 U	**0.66 J**	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.4 U	**0.37 J**	**0.49 J**	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Propylbenzene, n-	0.5	NA	NA	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	0.85 U	0.85 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	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-	<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	1.4 U	1.4 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	1.4 U	**0.68 J**	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	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	1.1 UJ	1.1 UJ	1.1 UJ	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	1.1 U
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	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	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	**0.69 J**	**0.61 J**	**0.54 J**	**0.54 J**	**0.46 J**	1.5 U	1.5 U	**0.46 J**	**0.54 J**	**0.46 J**	**0.61 J**	**0.61 J**	**0.54 J**	**0.54 J**	**0.53 J**
Trichlorobenzene, 1,2,4-	4.8	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	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	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	1.1 U	1.1 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	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichlorofluoromethane	6.1	**1.2**	**1.3**	**1.2**	**1.2**	**1.3**	**1.2**	**1.3**	**1.2**	**1.1 J**	**1.1**	**1.4**	**1.5**	**1.2**	**1.2**	**1.3**
Trimethylbenzene, 1,2,3-	0.6	0.98 U	0.98 U	0.98 U	0.98 U	0.98 UJ	0.98 U	0.98 U	0.98 UJ	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-	2.5	**0.34 J**	**0.44 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	**0.29 J**	0.98 U	0.98 U	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	0.98 U	0.98 U
Trimethylpentane, 2,2,4-	2	**1.7**	**1.1**	**0.61 J**	**0.28 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	**0.47 J**	0.93 U	**0.49 J**
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	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	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	0.51 U	0.51 U

Table 5-2
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]	OZAA-8 8/30/2010	OZAA-8 9/16/2010	OZ-AA9 10/23/2009	OZ-AA9 10/29/2009	OZ-AA9 11/2/2009	OZ-AA9 11/6/2009	OZ-AA9 11/9/2009	OZ-AA9 11/16/2009	OZ-AA9 11/23/2009	OZAA-9 12/4/2009	OZ-AA9 12/11/2009	OZ-AA9 12/17/2009	OZAA-09 12/22/2009	OZAA-09 1/12/2010	OZAA-09 2/25/2010
BTEX (ug/m^3)																
Benzene	5.8	**0.46 J**	**0.29 J**	**0.41 J**	0.73 U	0.77 U	**0.38 J**	**1.4**	**0.51 J**	**0.51 J**	**0.57 J**	**0.54 J**	**0.41 J**	**1.4**	**0.77**	**0.99**
Toluene	21	**2.2**	**0.75**	**0.72 J**	**1.7**	**4.0**	**0.79**	**2.8**	**0.98**	**0.87**	**0.87**	**0.79**	**0.72 J**	**15**	**1.0**	**2.8**
Ethylbenzene	1.9	**0.24 J**	0.87 U	0.87 U	**0.39 J**	**0.52 J**	0.87 U	**0.43 J**	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	**2.1**	0.87 U	**0.39 J**
Xylene, m,p-	3.1	**0.65 J**	**0.61 J**	1.7 U	**1.2 J**	**2.0**	1.7 U	**1.3 J**	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	**3.4**	1.7 U	**1.1 J**
Xylene, o-	2.5	**0.23 J**	**0.22 J**	0.87 U	**0.35 J**	**0.74 J**	0.87 U	**0.56 J**	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	**1.1**	0.87 U	**0.39 J**
Other VOCs (ug/m^3)																
Acetaldehyde	NE	**14**	**6.0**	**5.3 J**	5.9 U	5.6 U	**5.0 J**	**7.1 J**	**5.0 J**	**3.0 J**	5.4 U	**4.2**	1.8 U	**9.7 J**	**2.3 J**	**10 J**
Acetone	58	**13**	**5.2 JB**	4.5 U	5.6 U	**2.0 J**	**2.9 J**	**6.2 J**	**3.8 J**	4.6 U	2.7 UJ	2.7 UJ	3.6 UJ	2.4 UJ	3.5 U	**3.4 J**
Acrolein (propenal)	NE	**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	1.2 UJ
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	0.63 U	0.63 U
Benzothiophene	NE	2.7 U	2.7 U	1.1 U	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 U	1.1 U	1.1 U	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	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 UJ	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	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	0.44 U	0.44 U	0.44 U	0.44 U	**0.29 J**	0.44 U	0.44 U
Butane	NE	**1.5**	**0.48**	**0.81 J**	**0.93**	**2.5**	**1.8**	**4.2**	**1.0**	**1.0**	**1.9**	**2.8**	**0.86**	**2.3**	**1.7**	**3.1**
Butanone, 2-	17	**1.4**	**0.50 J**	**0.44 J**	**5.2**	**0.74**	0.59 U	**1.3**	**0.59**	0.59 U	0.59 U	**0.50 J**	**0.27 J**	**5.9**	**0.41 J**	**0.94**
Carbon disulfide	NE	**0.25 JB**	0.62 U	0.62 U	.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	0.62 U	0.62 U
Carbon tetrachloride	1	**0.47 J**	**0.44 J**	**0.50 J**	**0.44 J**	**0.50 J**	**0.57 J**	**0.50 J**	**0.50 J**	**0.50 J**	**0.44 J**	**0.38 J**	**0.44 J**	**1.1 J**	**0.44 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	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	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	0.98 U	0.98 U
Chloromethane	4.6	**1.0**	**0.91**	**0.87 J**	**1.1**	**0.93**	**0.89**	**1.1**	**0.91**	**0.99**	**1.0**	**1.0**	**1.1**	**1.3**	**1.0**	**1.2**
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	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	1.4 U	1.4 U
Cyclohexane	3	0.69 U	0.69 U	0.69 U	0.69 U	**0.28 J**	0.69 U	**0.28 J**	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	**1.3**	0.69 U	0.69 U
Decane, n-	3.6	**2.8**	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	**17**	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	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	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	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	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	1.2 U	1.2 U
Dichlorodifluoromethane	11	**2.4**	**2.3**	**2.2 J**	**2.5**	**2.3**	**2.4**	**2.5**	**2.6**	**2.4**	**2.3**	**2.3**	**2.1**	**2.3**	**2.3**	**2.2**
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	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	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	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	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	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	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	0.91 U	0.91 U
Dioxane, 1,4-	NE	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-	7.6	**2.1**	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	**18 J**	1.4 U	1.4 U
Ethanol	220	**5.6**	**2.3**	**3.2 J**	**4.0**	**3.7**	**1.8 J**	**4.6**	**2.8**	**2.1**	**3.6**	**4.2**	2.0 U	**18**	**2.0**	**3.6**
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	0.92 U	0.92 U
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	0.98 U	0.98 U
Heptane, n-	5.1	**0.30 J**	0.82 U	0.82 U	0.82 U	**0.45 J**	0.82 U	**0.49 J**	**0.20 J**	0.82 U	0.82 U	0.82 U	0.82 U	**1.3**	0.82 U	**0.33 J**
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 UJ	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	**0.61 J**	**0.21 J**	**0.28 J**	**0.32 J**	**1.2**	0.70 U	**1.1**	**0.28 J**	**0.28 J**	**0.39 J**	**0.46 J**	0.70 U	**3.4**	**0.35 J**	**0.60 J**

Table 5-2
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]	OZAA-8 8/30/2010	OZAA-8 9/16/2010	OZ-AA9 10/23/2009	OZ-AA9 10/29/2009	OZ-AA9 11/2/2009	OZ-AA9 11/6/2009	OZ-AA9 11/9/2009	OZ-AA9 11/16/2009	OZ-AA9 11/23/2009	OZAA-9 12/4/2009	OZ-AA9 12/11/2009	OZ-AA9 12/17/2009	OZAA-09 12/22/2009	OZAA-09 1/12/2010	OZAA-09 2/25/2010
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	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 UJ	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 UJ	0.95 UJ	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	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	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 U	0.82 U	0.82 U	0.82 U	0.82 U
Methylene chloride	2.9	**0.93 JB**	**4.4 B**	1.7 U	**0.56 J**	**0.49 J**	**0.52 J**	**0.69 J**	**0.52 J**	1.7 U	**0.56 J**	1.7 U	1.7 U	**5.2**	**0.52 J**	**0.69 J**
Methylnaphthalene, 1-	NE	2.9 U	2.9 U	1.2 UJ	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 UJ	1.2 UJ	1.2 U	1.2 U	1.2 U	1.2 U
Methylnaphthalene, 2-	NE	2.9 U	2.9 U	1.2 U	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 U	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	0.80 U	0.80 U	0.80 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	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	1.0 U	1.0 U	1.0 U	1.0 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	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	**1.9**	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	**0.23 J**	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	**0.33 J**	0.93 U	0.93 U
Pentane	NE	**1.5**	**0.41 J**	**0.47 J**	**0.65**	**2.0**	**0.53 J**	**2.3**	**0.56 J**	**0.53 J**	**0.91**	**1.2**	**0.68**	**520**	**0.83**	**1.3**
Propanol, 2-	NE	**0.62 J**	1.2 U	1.2 U	**0.44 J**	**0.34 J**	1.2 U	**0.49 J**	1.2 U	**0.52 J**	1.2 U	1.2 U	1.2 U	**11**	**0.39 J**	**0.44 J**
Propylbenzene, n-	0.5	NA	NA	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	**0.77 J**	0.85 U	0.85 U
t-Butyl alcohol	NE	0.61 U	0.61 U	0.61 U	**0.27 J**	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	**0.36 J**	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	1.4 U	1.4 U	1.4 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	1.4 U	1.4 U	1.4 U	1.4 U	**0.41 J**	1.4 U	**1.2 J**
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	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 UJ	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
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	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	**0.20 J**	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	**0.50 J**	**0.46 J**	**0.46 J**	**0.54 J**	**0.54 J**	**0.54 J**	**0.54 J**	**0.54 J**	**0.54 J**	**0.54 J**	**0.38 J**	1.5 U	**0.54 J**	**0.46 J**	**0.46 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 UJ	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	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	1.1 U	1.1 U
Trichloroethene	0.5	1.1 U	1.1 U	1.1 U	**1.0 J**	**0.70 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	**1.3**	**1.1**	**1.2 J**	**1.4**	**1.1**	**1.2**	**1.3**	**1.2**	**1.2**	**1.2**	**1.2**	**1.2**	**1.3**	**1.1 J**	**1.2**
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	0.98 U	0.98 UJ	0.98 U	0.98 U	0.98 UJ	0.98 U	0.98 U
Trimethylbenzene, 1,2,4-	2.5	0.98 U	0.98 U	0.98 U	0.98 U	**0.44 J**	0.98 U	**0.44 J**	0.98 UJ	0.98 U	0.98 U	0.98 U	0.98 U	**0.59 J**	0.98 U	**0.29 J**
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	0.98 U	0.98 U
Trimethylpentane, 2,2,4-	2	**0.70 J**	**0.28 J**	0.93 U	**0.23 J**	**1.3**	0.93 U	**1.1**	**0.51 J**	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	**0.47 J**	0.93 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	1.3 U	1.3 U	1.3 U	1.3 U	**36**	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	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	0.51 U	0.51 U

Table 5-2
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]	OZAA-09 3/24/2010	OZAA-09 4/15/2010	OZAA-09 5/17/2010	OZAA-09 6/22/2010	OZAA-9 7/27/2010	OZAA-9 8/30/2010	OZAA-9 9/16/2010	OZ-AA10 10/23/2009	OZ-AA10 10/29/2009	OZ-AA10 11/2/2009	OZ-AA10 11/6/2009	OZ-AA10 11/9/2009	OZ-AA10 11/16/2009	OZ-AA10 11/23/2009	OZAA-10 12/4/2009
BTEX (ug/m^3)																
Benzene	5.8	**0.38 J**	**0.57 J**	**0.38 J**	**0.34 J**	**0.63 J**	**1.2**	**0.32 J**	**0.38 J**	0.80 U	0.67 U	**0.38 J**	**1.2**	**0.51 J**	**0.64**	**0.54 J**
Toluene	21	**0.56 J**	**1.7**	**1.2**	**2.2**	**1.4**	**53**	**0.64 J**	**0.87**	**2.8**	**3.8**	**1.0**	**2.3**	**0.79**	**1.5**	**1.1**
Ethylbenzene	1.9	**3.1**	0.87 U	0.87 U	**0.29 J**	**0.23 J**	**4.0**	0.87 U	**0.52 J**	**0.39 J**	**0.26 J**	0.87 U	**0.39 J**	0.87 U	**0.26 J**	0.87 U
Xylene, m,p-	3.1	**3.4**	**0.61 J**	1.7 U	**0.68 J**	**0.63 J**	**8.6**	**0.43 J**	**1.3 J**	**1.3 J**	**0.69 J**	1.7 U	**1.0 J**	1.7 U	**0.91 J**	1.7 U
Xylene, o-	2.5	**0.69 J**	0.87 U	0.87 U	0.87 U	**0.22 J**	**2.9**	0.87 U	**0.30 J**	**0.48 J**	**0.26 J**	0.87 U	**0.43 J**	0.87 U	**0.35 J**	0.87 U
Other VOCs (ug/m^3)																
Acetaldehyde	NE	**4.3**	**6.7**	**7.3**	**14**	**7.9 J**	4.5 U	**6.1**	**4.7**	4.5 U	5.0 U	**51**	**6.8 J**	**4.3 J**	**6.0 J**	3.8 U
Acetone	58	**5.7 J**	**5.6 J**	**5.7 J**	**7.6 J**	**13 J**	**59**	**4.8 JB**	4.5 U	7.5 U	**5.5 J**	**5.8 J**	**10 J**	**3.5 J**	2.7 U	3.5 UJ
Acrolein (propenal)	NE	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	**2.9**	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
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	0.63 U	0.63 U
Benzothiophene	NE	1.1 U	1.1 U	2.7 U	1.1 U	2.7 U	2.7 U	2.7 U	1.1 U	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	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	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 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	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	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Butane	NE	**0.67**	**1.7**	**1.2**	**0.45 J**	**1.0**	**2.7**	**0.50**	**1.2**	**1.9**	**1.3**	**1.5**	**3.8**	**1.1**	**1.7**	**1.9**
Butanone, 2-	17	**0.50 J**	0.59 U	**0.74**	**0.59**	**1.2**	**11**	**0.47 J**	**0.47 J**	**0.59**	**0.62**	**1.0**	**1.3**	**0.53 J**	**0.68**	0.59 U
Carbon disulfide	NE	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	**0.29 JB**	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	**0.50 J**	**0.50 J**	**0.57 J**	**0.48 J**	**0.57 J**	**0.48 J**	**0.44 J**	**0.50 J**	**0.50 J**	**0.50 J**	**0.44 J**	**0.44 J**	**0.50 J**	**0.44 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	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	0.53 U	0.53 U
Chloroform	0.5	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	**0.30 J**	0.98 U	0.98 U	**0.34 J**	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Chloromethane	4.6	**1.1**	**1.2**	**1.1**	**1.2**	**1.0**	**1.2**	**1.0**	**0.91**	**0.93**	**0.95**	**0.87**	**1.0**	**0.89**	**1.0**	**1.0**
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	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	1.4 U	1.4 U
Cyclohexane	3	0.69 U	0.69 UJ	0.69 U	0.69 U	0.69 U	**3.2**	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	**0.17 J**	0.69 U	0.69 U	0.69 U
Decane, n-	3.6	1.2 U	1.2 U	1.2 U	**4.4**	1.2 U	**100**	1.2 U	1.2 U	**0.35 J**	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	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	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	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	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	1.2 U	1.2 U
Dichlorodifluoromethane	11	**2.6**	**2.8**	**2.4**	**2.1**	**2.4**	**2.4**	**2.2**	**2.3**	**2.4**	**2.3**	**2.4**	**2.5**	**2.4**	**2.6**	**2.4**
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	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	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	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	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	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	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	0.91 U	0.91 U
Dioxane, 1,4-	NE	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-	7.6	1.4 U	1.4 U	1.4 U	**5.4**	1.4 U	**78**	1.4 U	1.4 U	**0.35 J**	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Ethanol	220	**1.7 J**	**3.9**	**3.0**	**3.8**	**4.9**	**44**	**2.3**	**3.5**	**4.9**	**2.9**	**3.5**	**4.1**	**3.0**	**3.6**	**3.0**
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	0.92 U	0.92 U
Ethyltoluene, p-	NE	**0.49 J**	0.98 U	0.98 U	0.98 U	0.98 U	**0.41 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-	5.1	0.82 U	0.82 U	0.82 U	0.82 U	**0.30 J**	**2.0**	0.82 U	0.82 U	**0.25 J**	**0.20 J**	0.82 U	**0.41 J**	0.82 U	**0.25 J**	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 UJ	2.1 U	2.1 U
Hexane, n-	3.6	**0.18 J**	**0.32 J**	**0.32 J**	**0.34 J**	**0.49 J**	**6.2**	**0.21 J**	**0.25 J**	**0.60 J**	**0.46 J**	**0.18 J**	**0.85**	**0.35 J**	**0.53 J**	**0.28 J**

Table 5-2
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]	OZAA-09 3/24/2010	OZAA-09 4/15/2010	OZAA-09 5/17/2010	OZAA-09 6/22/2010	OZAA-9 7/27/2010	OZAA-9 8/30/2010	OZAA-9 9/16/2010	OZ-AA10 10/23/2009	OZ-AA10 10/29/2009	OZ-AA10 11/2/2009	OZ-AA10 11/6/2009	OZ-AA10 11/9/2009	OZ-AA10 11/16/2009	OZ-AA10 11/23/2009	OZAA-10 12/4/2009
Hexanone, 2-	NE	0.82 U	0.82 UJ	0.82 U	0.82 U	0.82 U	**0.33 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
Indan	NE	**1.5**	0.97 U	0.97 U	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	0.97 UJ
Indene	NE	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	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 UJ
Isopropyl benzene	0.4	NA	NA	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 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 UJ	0.82 U	0.82 U	0.82 U	**1.0**	0.82 U	**2.6**	0.82 U	**0.33 J**	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Methylene chloride	2.9	**0.56 J**	**0.69 J**	1.7 U	3.5 U	3.5 U	**5.4**	**3.3 JB**	1.7 U	**0.49 J**	1.7 U	**0.56 J**	**0.62 J**	**0.52 J**	1.7 U	**0.73 J**
Methylnaphthalene, 1-	NE	1.2 U	2.9 U	2.9 UJ	2.9 U	5.8 U	2.9 U	**0.76 J**	1.2 UJ	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 UJ
Methylnaphthalene, 2-	NE	1.2 U	2.9 U	2.9 U	2.9 U	5.8 U	2.9 U	**1.2 J**	1.2 U	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ
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	0.80 U	0.80 U	0.80 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	0.80 U	0.80 U
Naphthalene	10	**0.42 J**	1.0 U	1.0 U	1.0 U	1.0 U	**0.53 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	1.0 U
Nonane	1.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**1.6**	1.0 U	1.0 U	**0.31 J**	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	0.93 U	**2.0**	0.93 U	**65**	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	**0.53 J**	**1.0**	**0.94**	**0.80**	**1.4**	**50**	**0.29 J**	**0.74**	**1.3**	**0.94**	**0.56 J**	**2.3**	**0.62**	**1.2**	**0.83**
Propanol, 2-	NE	1.2 U	1.2 U	1.2 U	1.2 U	**0.49 J**	**29**	1.2 U	1.2 U	**0.52 J**	**0.42 J**	1.2 U	**0.52 J**	1.2 U	**0.37 J**	1.2 U
Propylbenzene, n-	0.5	NA	NA	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	**4.6**	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
t-Butyl alcohol	NE	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	**1.6**	0.61 U	0.61 U	0.61 U	**0.88**	0.61 U	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	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	1.4 U	1.4 U	**0.46 J**	**0.34 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	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	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 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 U
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	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	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	**0.61 J**	**0.61 J**	**0.61 J**	**0.51 J**	**0.57 J**	**0.54 J**	**0.54 J**	**0.38 J**	**0.61 J**	**0.54 J**	**0.54 J**	**0.54 J**	**0.54 J**	**0.54 J**	**0.54 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 UJ	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	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	1.1 U	1.1 U
Trichloroethene	0.5	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	**0.33 J**	**0.38 JB**	1.1 U	**0.91 J**	**0.48 J**	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichlorofluoromethane	6.1	**1.4**	**1.5**	**1.2**	**1.3**	**1.2**	**1.4**	**1.1**	**1.2**	**1.2**	**1.2**	**1.2**	**1.4**	**1.2**	**1.3**	**1.2**
Trimethylbenzene, 1,2,3-	0.6	**0.29 J**	0.98 U	0.98 U	0.98 U	0.98 U	**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	0.98 UJ
Trimethylbenzene, 1,2,4-	2.5	**0.79 J**	**0.25 J**	0.98 U	0.98 U	0.98 U	**1.2**	0.98 U	**0.29 J**	**0.49 J**	0.98 U	0.98 U	**0.29 J**	0.98 UJ	**0.34 J**	0.98 U
Trimethylbenzene, 1,3,5-	1	**0.25 J**	0.98 U	0.98 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	0.98 U	0.98 U	0.98 U	0.98 U
Trimethylpentane, 2,2,4-	2	0.93 U	0.93 U	0.93 U	**0.37 J**	**0.77 J**	**0.63 J**	**0.28 J**	0.93 U	**0.42 J**	**0.28 J**	0.93 U	**0.89 J**	0.93 U	0.93 U	0.93 U
Undecane, n-	2.3	1.3 U	1.3 U	1.3 U	**0.34 J**	1.3 U	**47**	1.3 U	1.3 U	**0.32 J**	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	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	0.51 U	0.51 U

Table 5-2
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]	OZ-AA10 12/11/2009	OZ-AA10 12/17/2009	OZAA-10 12/22/2009	OZAA-10 1/12/2010	OZAA-10 2/25/2010	OZAA-10 3/24/2010	OZAA-10 4/15/2010	OZAA-10 5/17/2010	OZAA-10 6/22/2010	OZAA-10 7/27/2010	OZAA-10 8/30/2010	OZAA-10 9/16/2010
BTEX (ug/m^3)													
Benzene	5.8	**0.38 J**	**0.29 J**	**0.29 J**	**0.77**	**0.99**	**0.29 J**	**0.48 J**	**0.57 J**	**0.89**	**0.46 J**	**0.43 J**	**0.35 J**
Toluene	21	**0.64 J**	**0.38 J**	**0.41 J**	**0.94**	**2.6**	**0.38 J**	**1.6**	**3.8**	**6.0**	**2.0**	**1.2**	**0.90**
Ethylbenzene	1.9	0.87 U	0.87 U	0.87 U	0.87 U	**0.35 J**	0.87 U	0.87 U	**0.35 J**	**1.1**	**0.31 J**	0.87 U	0.87 U
Xylene, m,p-	3.1	1.7 U	1.7 U	1.7 U	1.7 U	**1.0 J**	1.7 U	**0.48 J**	**1.2 J**	**3.9**	1.7 U	**0.45 J**	**0.56 J**
Xylene, o-	2.5	0.87 U	0.87 U	0.87 U	0.87 U	**0.30 J**	0.87 U	0.87 U	**0.43 J**	**1.4**	0.87 U	0.87 U	**0.22 J**
Other VOCs (ug/m^3)													
Acetaldehyde	NE	**3.5**	4.4 U	**21**	**2.2 J**	**7.1 J**	**6.2**	**10**	**6.2**	**20**	**22 J**	**17**	**8.1**
Acetone	58	2.7 UJ	2.4 U	2.8 UJ	2.4 U	**4.8 J**	**6.0 J**	**5.9 J**	**9.2 J**	**9.3 J**	**14 J**	**11**	**5.3 JB**
Acrolein (propenal)	NE	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 U	**0.44 J**	**0.32 J**	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
Benzothiophene	NE	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	2.7 U	2.7 U	2.7 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
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
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	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Butane	NE	**1.8**	**0.90**	**0.78**	**1.6**	**2.6**	**0.59**	**1.4**	**4.9**	**0.89**	**1.4**	**0.96**	**0.76**
Butanone, 2-	17	0.59 U	**0.32 J**	**0.41 J**	0.59 U	**0.97**	**0.74**	**0.91**	**0.80**	**0.82**	**2.4**	**1.5**	**0.53 J**
Carbon disulfide	NE	0.62 U	0.62 U	0.62 U	0.62 U	0.68 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	**0.38 J**	**0.38 J**	**0.38 J**	**0.38 J**	**0.50 J**	**0.44 J**	**0.50 J**	**0.38 J**	**0.45 J**	**0.43 J**	**0.48 J**	**0.50 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	**1.0**	**1.0**	**1.1**	**1.0**	**1.2**	**1.0**	**0.99**	**0.99**	**0.95**	**0.99**	**1.1**	**0.85**
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
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	0.69 U	0.69 U	0.69 U	0.69 UJ	0.69 U	**0.46 J**	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	1.2 U	1.2 U	1.2 U	**0.47 J**	**3.4**	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 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	**2.1**	**2.2**	**2.2**	**2.1**	**2.5**	**2.7**	**2.6**	**2.5**	**2.2**	**2.3**	**2.5**	**2.2**
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	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-	7.6	1.4 U	1.4 U	1.4 UJ	1.4 U	1.4 U	1.4 U	1.4 U	**0.42 J**	**6.8**	1.4 U	**0.41 J**	1.4 U
Ethanol	220	**3.2**	1.9 U	**2.7**	**1.7 J**	**2.3**	**1.2 J**	**3.4**	**4.9**	**10**	**7.3**	**5.1**	**3.1**
Ethylthiophene, 2-	NE	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
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	**0.38 J**	0.98 U	0.98 U	0.98 U
Heptane, n-	5.1	0.82 U	0.82 U	0.82 U	0.82 U	**0.25 J**	0.82 U	0.82 U	**0.29 J**	**1.1**	**0.24 J**	0.82 U	**0.49 J**
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
Hexane, n-	3.6	**0.25 J**	0.70 U	0.70 U	**0.32 J**	**0.42 J**	0.70 U	0.70 UJ	**0.70**	**1.6**	**0.35 J**	**0.45 J**	**0.35 J**

Table 5-2
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]	OZ-AA10 12/11/2009	OZ-AA10 12/17/2009	OZAA-10 12/22/2009	OZAA-10 1/12/2010	OZAA-10 2/25/2010	OZAA-10 3/24/2010	OZAA-10 4/15/2010	OZAA-10 5/17/2010	OZAA-10 6/22/2010	OZAA-10 7/27/2010	OZAA-10 8/30/2010	OZAA-10 9/16/2010
Hexanone, 2-	NE	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	0.82 U	0.82 U
Indan	NE	0.97 U	0.97 U	0.97 UJ	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	**0.27 J**	0.97 U	0.97 U	0.97 U
Indene	NE	0.95 UJ	0.95 UJ	0.95 UJ	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
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	0.82 U	0.82 U	0.82 UJ	0.82 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	**0.66 J**	**0.83 J**	**0.56 J**	**0.69 J**	1.7 U	**1.1 J**	3.5 U	**0.94 JB**	**5.1 B**
Methylnaphthalene, 1-	NE	1.2 UJ	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	2.9 U	2.9 UJ	2.9 U	5.8 U	2.9 U	2.9 U
Methylnaphthalene, 2-	NE	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	2.9 U	2.9 U	2.9 U	5.8 U	2.9 U	2.9 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	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
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	**0.45 J**	1.0 U	1.0 U	1.0 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	**0.26 J**	**0.51 J**	1.0 U	1.0 U	1.0 U
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	**2.3**	0.93 U	0.93 U	0.93 U
Pentane	NE	**0.77**	**0.68**	**0.47 J**	**0.62**	**1.1**	0.59 U	**0.71**	**1.4**	**1.9**	**1.3**	**0.81**	**0.65**
Propanol, 2-	NE	1.2 U	1.2 U	1.2 U	**0.34 J**	**0.52 J**	1.2 U	1.2 U	1.2 U	1.2 U	**0.67 J**	**0.63 J**	1.2 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	0.61 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-	<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	1.4 U	**0.88 J**	1.4 U	1.4 U	1.4 U	1.4 U	**0.61 J**	1.4 U	**0.34 J**
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	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	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	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	**0.54 J**	**0.46 J**	**0.46 J**	**0.54 J**	**0.61 J**	**0.61 J**	**0.54 J**	**0.60 J**	**0.53 J**	**0.50 J**	**0.54 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
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
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	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	**0.43 JB**
Trichlorofluoromethane	6.1	**1.1**	**1.2**	**1.1**	**1.0 J**	**1.3**	**1.4**	**1.4**	**1.2**	**1.4**	**1.4**	**1.4**	**1.1**
Trimethylbenzene, 1,2,3-	0.6	0.98 U	0.98 U	0.98 UJ	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	**0.45 J**	0.98 U	0.98 U	0.98 U
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	**0.44 J**	**1.5 J**	0.98 U	0.98 U	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	**0.40 J**	0.98 U	0.98 U	0.98 U
Trimethylpentane, 2,2,4-	2	0.93 U	0.93 U	0.93 U	**0.65 J**	0.93 U	0.93 U	0.93 U	**1.0**	**2.9**	0.93 U	0.93 U	**0.47 J**
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	**0.51 J**	**0.40 J**	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 5-2
Analytical Ambient Air Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Report

Notes:

ug/m^3 - 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

B - analyte detected in the associated method blank
J - estimated value
R - rejected
U - not detected to the reporting limit for organic analysis and the method detection limit for inorganic analysis

Figures

LEGEND:

- GM-02AS — ACTIVE MONITORING WELL LOCATION
- MW-19D — DESTROYED MONITORING WELL
- MW-14W — UNABLE TO LOCATE MONITORING WELL
- MW-59 — ABANDONED MONITORING WELL
- MW-08W — INACTIVE OR HISTORICAL MONITORING WELL
- WCMW-07S* — CONDITION UNKNOWN (IS OR POTENTIALLY LOCATED ON PRIVATE PROPERTY)
- BBSW-06 — SURFACE WATER GAUGING STATION LOCATION
- OU2MW-01WT, OU2MW-01S, OU2MW-01I, OU2MW-01I2, OU2MW-01D — EXISTING MONITORING WELL CLUSTER LOCATION (WT=WATER TABLE, S=SHALLOW, I=INTERMEDIATE, I2= INTERMEDIATE TWO, D=DEEP)
- HISTORICAL REMEDIAL INVESTIGATION 2004 PLUME BOUNDARY BASED ON >100 µg/L TOTAL BTEX OR >100 µg/L TOTAL PAHs DETECTED IN GROUNDWATER
- OU-2, OU-3 AND OU-4 EXTENTS FROM Q1 2009 BASED ON >100 µg/L TOTAL BTEX OR >100 µg/L TOTAL PAHs DETECTED IN GROUNDWATER
- OU-2, OU-3 AND OU-4 EXTENTS FROM Q3 2010 BASED ON >100 µg/L TOTAL BTEX OR >100 µg/L TOTAL PAHs DETECTED IN GROUNDWATER
- PLANNED OXYGEN INJECTION LINE
- INSTALLED OXYGEN INJECTION LINE
- ABANDONED OXYGEN INJECTION LINE

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.

NOTES:

1. WINDOWED SECTION OF THE SUBSURFACE CONTAINMENT BARRIER WALL CONSTRUCTED BETWEEN APPROXIMATELY 8 AND 38 FEET BELOW GROUND SURFACE (BGS).
2. * INDICATES MONITORING WELL LOCATION SHOWN IS APPROXIMATE.

0 150 300
SCALE, FEET

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

MONITORING WELL AND SURFACE WATER GAUGING STATION LOCATION MAP

December 2010 — Figure 1

I:\Project\National Grid\Bay Shore\Groundwater-Quarterly Monitoring\2010\FIGs\Bay Shore-Wells PLATE Q3-10.dwg

OU-4 CESSPOOL EXCAVATION IRM (COMPLETED NOVEMBER 2005)

OU-4 CESSPOOL AREA EXCAVATION (PLANNED START DATE - EARLY 2011)

OU-4 CESSPOOL AREA S-ISCO TREATMENT (COMPLETED DECEMBER 2009)

OU-4 UPGRADIENT EXCAVATION IRM (PLANNED START DATE - EARLY 2011)

OU-4 UPGRADIENT INVESTIGATION (COMPLETED SEPTEMBER 2009)

OU-4 POND AREA EXCAVATION IRM (PLANNED START DATE - EARLY 2011)

SEDIMENTS REMOVED AND CHANNEL (RESTORED IN 2000)

WATCHOGUE CREEK/ CRUM'S BROOK

PERSULFATE PILOT STUDY (COMPLETED 2004)

OU-4 GROUNDWATER AND SOIL VAPOR MONITORING (ONGOING)

OU-1 ISCO PHASE 3 INVESTIGATION (COMPLETED SEPTEMBER 2009)

OU-1 SOUTHERN CELL EXCAVATION AREA (COMPLETED APRIL 2007)

1591 UNION BOULEVARD OXYGEN INJECTION SYSTEM EXPANSION (PLANNED START DATE - SPRING 2011)

FENTON'S PILOT STUDY (COMPLETED 2004)

SUBSURFACE CONTAINMENT BARRIER (COMPLETED MAY 2008)

OU-1 UNION BOULEVARD OXYGEN INJECTION SYSTEM (COMPLETED FEBRUARY 2008)

OU-1 EXCAVATION NORTH OF RAILROAD (COMPLETED AUGUST 2008)

OU-1 OZONE INJECTION SYSTEM (COMPLETED OCTOBER 2009)

66 N. CLINTON AVENUE (FORMER KING BEAR/SUMMERS LUMBER PROPERTY) OXYGEN INJECTION SYSTEM INSTALLATION (COMPLETED JANUARY 2010)

SISCO PILOT STUDY (2006)

33 N. CLINTON/COOPER LANE OXYGEN INJECTION LINE (COMPLETED MARCH 2009)

OU-1/OU-2 GROUNDWATER, SOIL VAPOR MONITORING, AND OXYGEN INJECTION SYSTEM OM&M (ONGOING)

DNAPL RECOVERY SYSTEM (COMPLETED 2006)

BRIGHTWATERS YARD PRE-IRM SOIL AND GROUNDWATER SAMPLING (COMPLETED SEPTEMBER 2009)

60/66 N. CLINTON AVENUE (FORMER KING BEAR/SUMMERS LUMBER PROPERTY) INVESTIGATION (COMPLETED JUNE 2009)

9 N. CLINTON OXYGEN INJECTION LINE (COMPLETED FEBRUARY 2009)

OU-3 COMMUNITY ROAD OXYGEN INJECTION SYSTEM INSTALLATION (COMPLETED APRIL 2010)

60/66 N. CLINTON AVENUE (FORMER KING BEAR/SUMMERS LUMBER PROPERTY) EXCAVATION (COMPLETED APRIL 2010)

34 N. CLINTON OXYGEN INJECTION LINE (COMPLETED JANUARY 2009)

MONTAUK HIGHWAY OXYGEN INJECTION LINE (COMPLETED Q4 2005)

SUPPLEMENTAL IRM EXCAVATION AREAS (COMPLETED 2004)

2001 AND 2004 ISOTEC INJECTION AREA

OU-3 GROUNDWATER, SOIL VAPOR AND OXYGEN INJECTION SYSTEM OM&M (ONGOING)

OU-2 29 COMMUNITY ROAD OXYGEN INJECTION SYSTEM INSTALLATION (PLANNED START DATE - SPRING 2011)

OU-3 UNION BOULEVARD OXYGEN INJECTION SYSTEM ABANDONMENT (COMPLETED AUGUST 2010)

CLINTON AVENUE CROSSING INSTALLATION (COMPLETED SEPTEMBER 2009) AND THE INSTALLATION OF COOPER LANE OXYGEN INJECTION LINE (COMPLETED NOVEMBER 2009)

29 COMMUNITY ROAD PRE-DESIGN INVESTIGATION (COMPLETED JUNE 2010)

MANATUCK LANE OXYGEN INJECTION LINE (COMPLETED Q4 2005)

OU-3 UNION BOULEVARD OXYGEN INJECTION SYSTEM (COMPLETED 2000)

OU-3 STORM SEWER REHABILITATION CONFIRMATION SAMPLING (COMPLETED SEPTEMBER 2009)

PLUME TAIL HYDROLOGIC INVESTIGATION (COMPLETED SEPTEMBER 2009)

PLUME TAIL OXYGEN INJECTION SYSTEM INSTALLATION AND STARTUP (COMPLETED AUGUST 2009)

OU-3 OXYGEN INJECTION SYSTEM PRE-DESIGN AND PLUME INVESTIGATION (COMPLETED AUGUST 2009)

OU-3 LIRR EXCAVATION IRM (PHASE 1 - COMPLETED FEBRUARY 2010) (PHASE 2 - COMPLETED JULY 2010) (PHASE 3 - COMPLETED SEPTEMBER 2010)

BRIGHTWATERS YARD OXYGEN INJECTION SYSTEM (INSTALLED 2004, ABANDONED JUNE 2009)

OU-3 LIRR TEMPORARY TRACK RELOCATION LIMITS RESTORATION OF TRACKS TO ORIGINAL ALIGNMENT (COMPLETED APRIL 2010)

N. PARK AVE.
WEST DR.
CENTER AVE.
OAK ST.
FIFTH AVENUE
LONG ISLAND RAILROAD
MONTAUK BRANCH
UNION BOULEVARD
SMITH AVE.
MECHANICSVILLE SERVICE RD.
(S.R. 27A)
SMITH AVE.
WATCHOGUE CREEK (TIDAL)
OCEAN AVE.
BAY AVE.
PL.
LINDEN
GIBSON ST.
MONTAUK HWY.
SOUTH CLINTON AVE.
FIFTH AVE.
UNION ST.
SOUTH
MARC CT.
JAN CT.
CLINTON AVENUE (C.R. 13A)
ACKERSON STREET
CLINTON AVENUE
BAY SHORE WEST STORAGE LOT PARCEL
BAY SHORE WEST PARCEL
BAY SHORE SITE
OU-1
OU-2
OU-3
BRIGHTWATERS YARD SITE
BRIGHTWATERS EAST PARCEL
HIAWATHA DR.
ORINOCO DR.
EAST CT.
COMMUNITY ROAD
UNION BOULEVARD
COMMUNITY ROAD
COOPER LANE
LANIER LANE
JOHNSON LANE
HEMLOCK LANE
GARNER LANE
GARNER LANE
MANATUCK LANE
O-CO-NEE POND
UNNAMED POND (HEADWATERS OF O-CO-NEE POND)
LAWRENCE LAKE
LAWRENCE CREEK (TIDAL)

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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0 150 300
SCALE, FEET

LEGEND:

- INSTALLED OXYGEN INJECTION LINE
- PLANNED OXYGEN INJECTION LINE
- HISTORICAL REMEDIAL INVESTIGATION 2004 PLUME BOUNDARY
- EXTENT OF Q3 2010 TOTAL BTEX AND/OR TOTAL PAHs >100 µg/L IN GROUNDWATER

BAY SHORE/BRIGHTWATERS
FORMER MGP SITE
BAY SHORE, NEW YORK

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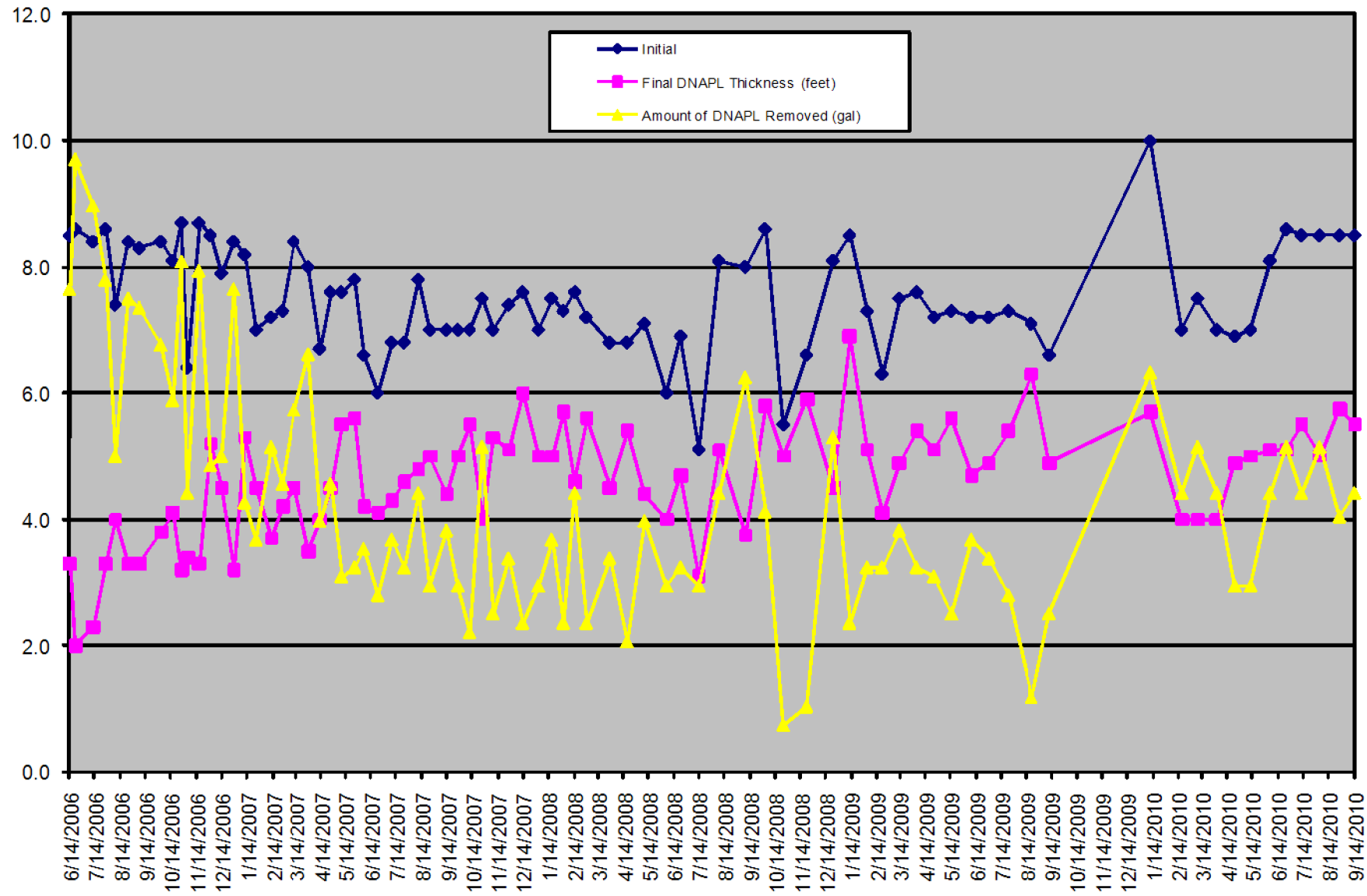
SUITE 204
HUNTINGTON STATION, NY 11746

HISTORICAL SITEWIDE PROGRESS MAP

December 2010 Figure 2

I:\Project\National Grid\Bay Shore\Groundwater-Quarterly Monitoring\2010\FIGs\ Bay Shore-Sitewide Progress Q3-10.dwg \Dec 15, 2010



NOTE: DNAPL RECOVERY OPERATIONS WERE SUSPENDED IN Q4 2009 DUE TO CONSTRUCTION ACTIVITIES.

BAY SHORE/BRIGHTWATERS
FORMER MGP SITE
BAY SHORE, NEW YORK

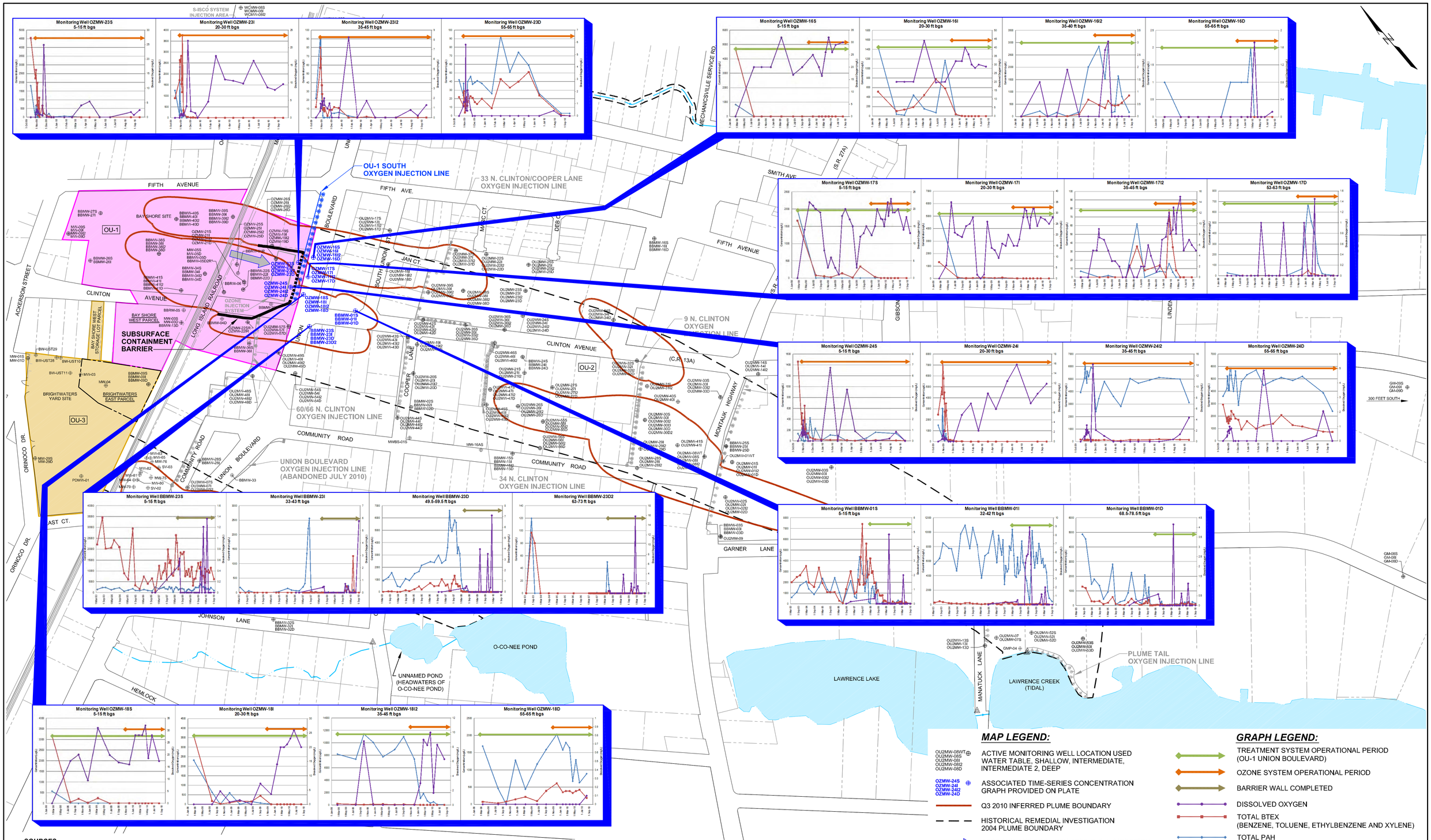
nationalgrid

GEI Consultants

DNAPL RECOVERY DATA
BBRW-02

Project 093180-5-1506 | December 2010 | Figure 3

I:\Project\National Grid\Bay Shore\Groundwater-Quarterly Monitoring\2010\GRAPHS\ Bay Shore-DNAPL Recovery Well Graph.dwg \Dec 08, 2010



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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NOTE:

WINDOWED SECTION OF THE SUBSURFACE CONTAINMENT BARRIER WALL CONSTRUCTED BETWEEN APPROXIMATELY 8 AND 38 FEET BELOW GROUND SURFACE (BGS).

0 150 300
SCALE, FEET

MAP LEGEND:

- OU2MW-08WT, OU2MW-08S, OU2MW-08I, OU2MW-08I2, OU2MW-08D — ACTIVE MONITORING WELL LOCATION USED WATER TABLE, SHALLOW, INTERMEDIATE, INTERMEDIATE 2, DEEP
- OZMW-24S, OZMW-24I, OZMW-24I2, OZMW-24D — ASSOCIATED TIME-SERIES CONCENTRATION GRAPH PROVIDED ON PLATE
- Q3 2010 INFERRED PLUME BOUNDARY
- HISTORICAL REMEDIAL INVESTIGATION 2004 PLUME BOUNDARY
- APPROXIMATE GROUNDWATER FLOW DIRECTION

GRAPH LEGEND:

- TREATMENT SYSTEM OPERATIONAL PERIOD (OU-1 UNION BOULEVARD)
- OZONE SYSTEM OPERATIONAL PERIOD
- BARRIER WALL COMPLETED
- DISSOLVED OXYGEN
- TOTAL BTEX (BENZENE, TOLUENE, ETHYLBENZENE AND XYLENE)
- TOTAL PAH (POLYCYCLIC AROMATIC HYDROCARBONS)

BAY SHORE/BRIGHTWATERS
FORMER MGP SITE
BAY SHORE, NEW YORK

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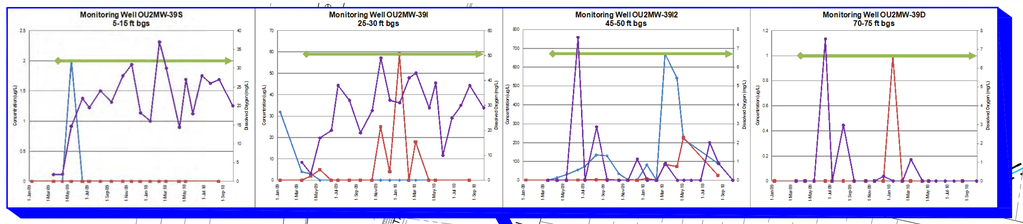
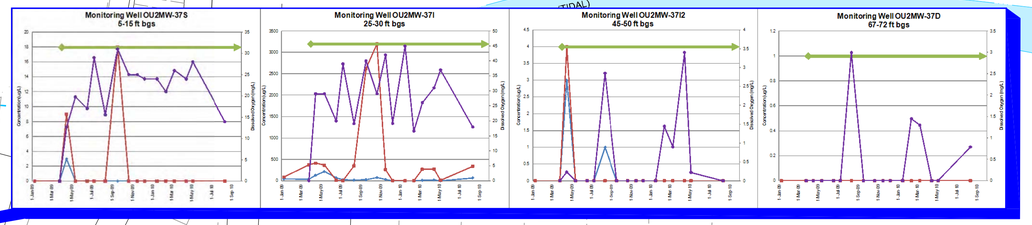
HUNTINGTON STATION, NY 11746

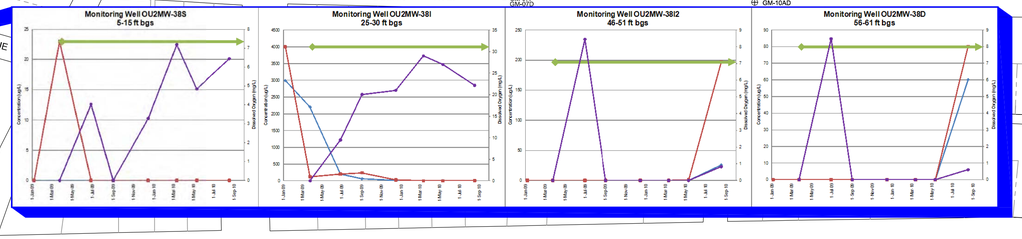
OU-1 UNION BOULEVARD OXYGEN INJECTION LINE GROUNDWATER DATA

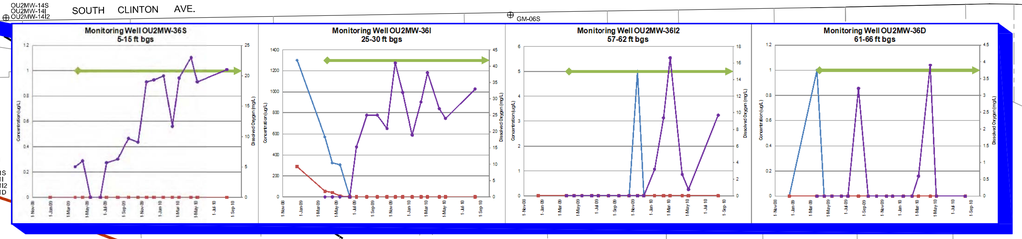
December 2010 — Figure 4

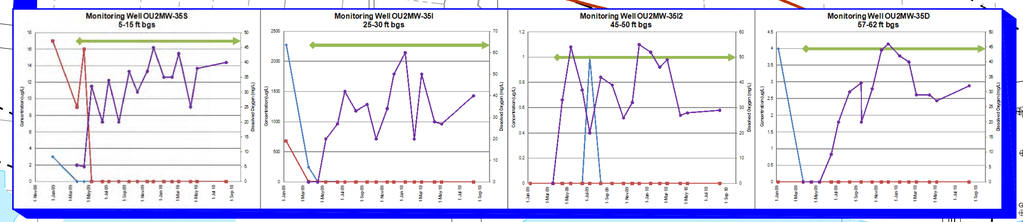
I:\Project\National Grid\Bay Shore\Groundwater-Quarterly Monitoring\2010\GRAPHS\ Bay Shore-Graphs Q3 2010.dwg \Dec 15, 2010

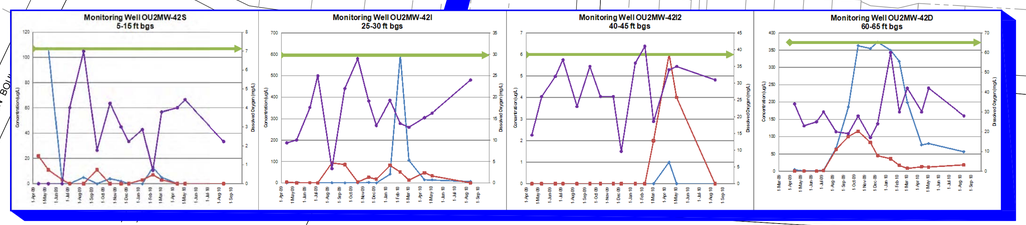












MAP LEGEND:

- OU2MW-08WT, OU2MW-08S, OU2MW-08I, OU2MW-08I2, OU2MW-08D — ACTIVE MONITORING WELL LOCATION USED WATER TABLE, SHALLOW, INTERMEDIATE, INTERMEDIATE 2, DEEP
- OU2MW-42S, OU2MW-42I, OU2MW-42I2, OU2MW-42D — ASSOCIATED TIME-SERIES CONCENTRATION GRAPH PROVIDED ON PLATE
- Q3 2010 INFERRED PLUME BOUNDARY
- HISTORICAL REMEDIAL INVESTIGATION 2004 PLUME BOUNDARY
- APPROXIMATE GROUNDWATER FLOW DIRECTION

GRAPH LEGEND:

- TREATMENT SYSTEM OPERATIONAL PERIOD (33 N. CLINTON AVENUE)
- DISSOLVED OXYGEN
- TOTAL BTEX (BENZENE, TOLUENE, ETHYLBENZENE AND XYLENE)
- TOTAL PAH (POLYCYCLIC AROMATIC HYDROCARBONS)

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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NOTE:

WINDOWED SECTION OF THE SUBSURFACE CONTAINMENT BARRIER WALL CONSTRUCTED BETWEEN APPROXIMATELY 8 AND 38 FEET BELOW GROUND SURFACE (BGS).

0 150 300
SCALE, FEET

BAY SHORE/BRIGHTWATERS
FORMER MGP SITE
BAY SHORE, NEW YORK

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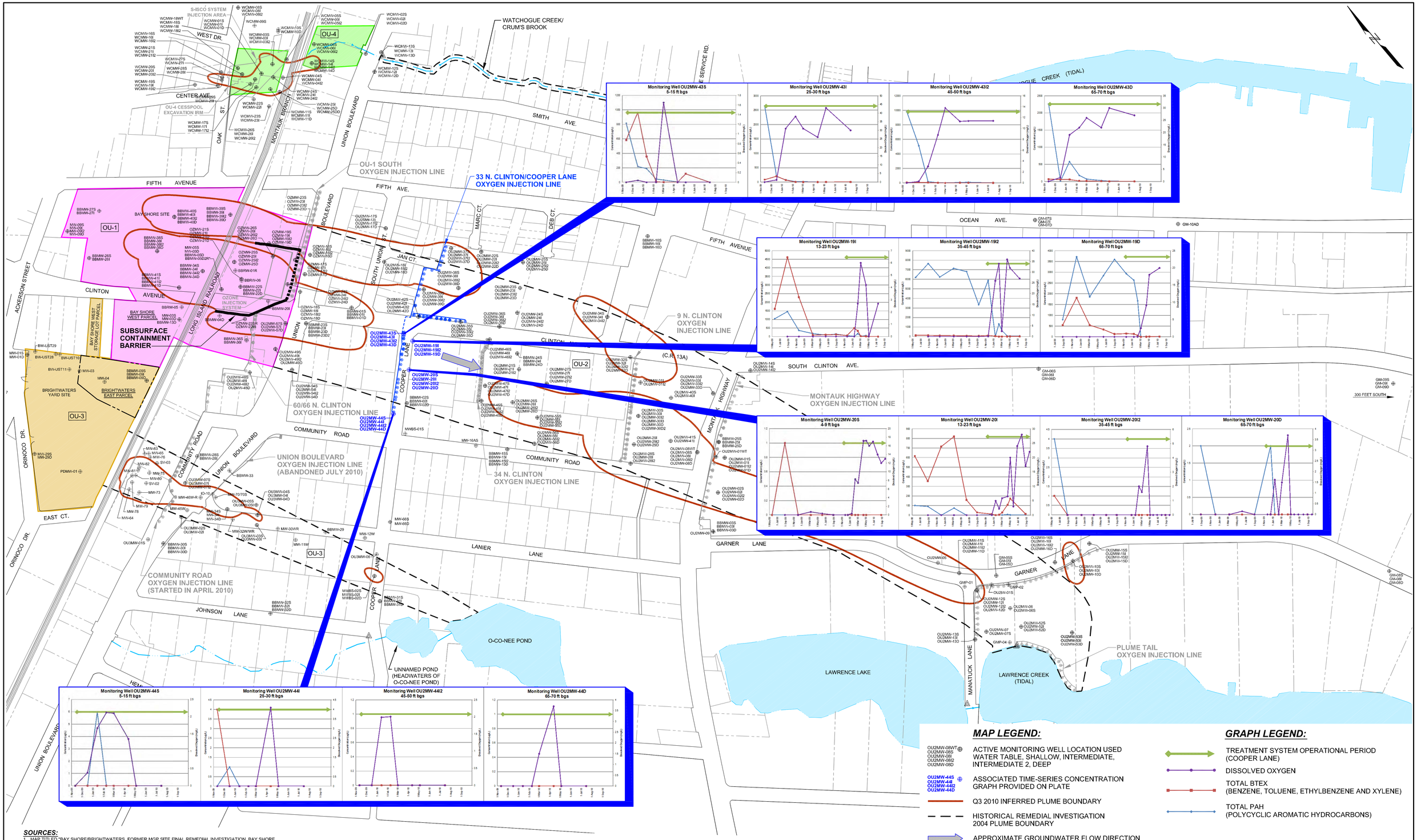
GEI Consultants
110 WALT WHITMAN ROAD
SUITE 204
HUNTINGTON STATION, NY 11746

33 N. CLINTON AVENUE OXYGEN INJECTION LINE GROUNDWATER DATA

December 2010 Figure 5

I:\Project\National Grid\Bay Shore\Groundwater-Quarterly Monitoring\2010\GRAPHS\ Bay Shore-Graphs Q3 2010.dwg \Dec 15, 2010



MAP LEGEND:

- OU2MW-08WT, OU2MW-08S, OU2MW-08I, OU2MW-08I2, OU2MW-08D — ACTIVE MONITORING WELL LOCATION USED WATER TABLE, SHALLOW, INTERMEDIATE, INTERMEDIATE 2, DEEP
- OU2MW-44S, OU2MW-44I, OU2MW-44I2, OU2MW-44D — ASSOCIATED TIME-SERIES CONCENTRATION GRAPH PROVIDED ON PLATE
- Q3 2010 INFERRED PLUME BOUNDARY
- HISTORICAL REMEDIAL INVESTIGATION 2004 PLUME BOUNDARY
- APPROXIMATE GROUNDWATER FLOW DIRECTION

GRAPH LEGEND:

- TREATMENT SYSTEM OPERATIONAL PERIOD (COOPER LANE)
- DISSOLVED OXYGEN
- TOTAL BTEX (BENZENE, TOLUENE, ETHYLBENZENE AND XYLENE)
- TOTAL PAH (POLYCYCLIC AROMATIC HYDROCARBONS)

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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NOTE:

WINDOWED SECTION OF THE SUBSURFACE CONTAINMENT BARRIER WALL CONSTRUCTED BETWEEN APPROXIMATELY 8 AND 38 FEET BELOW GROUND SURFACE (BGS).

0 150 300
SCALE, FEET

BAY SHORE/BRIGHTWATERS
FORMER MGP SITE
BAY SHORE, NEW YORK

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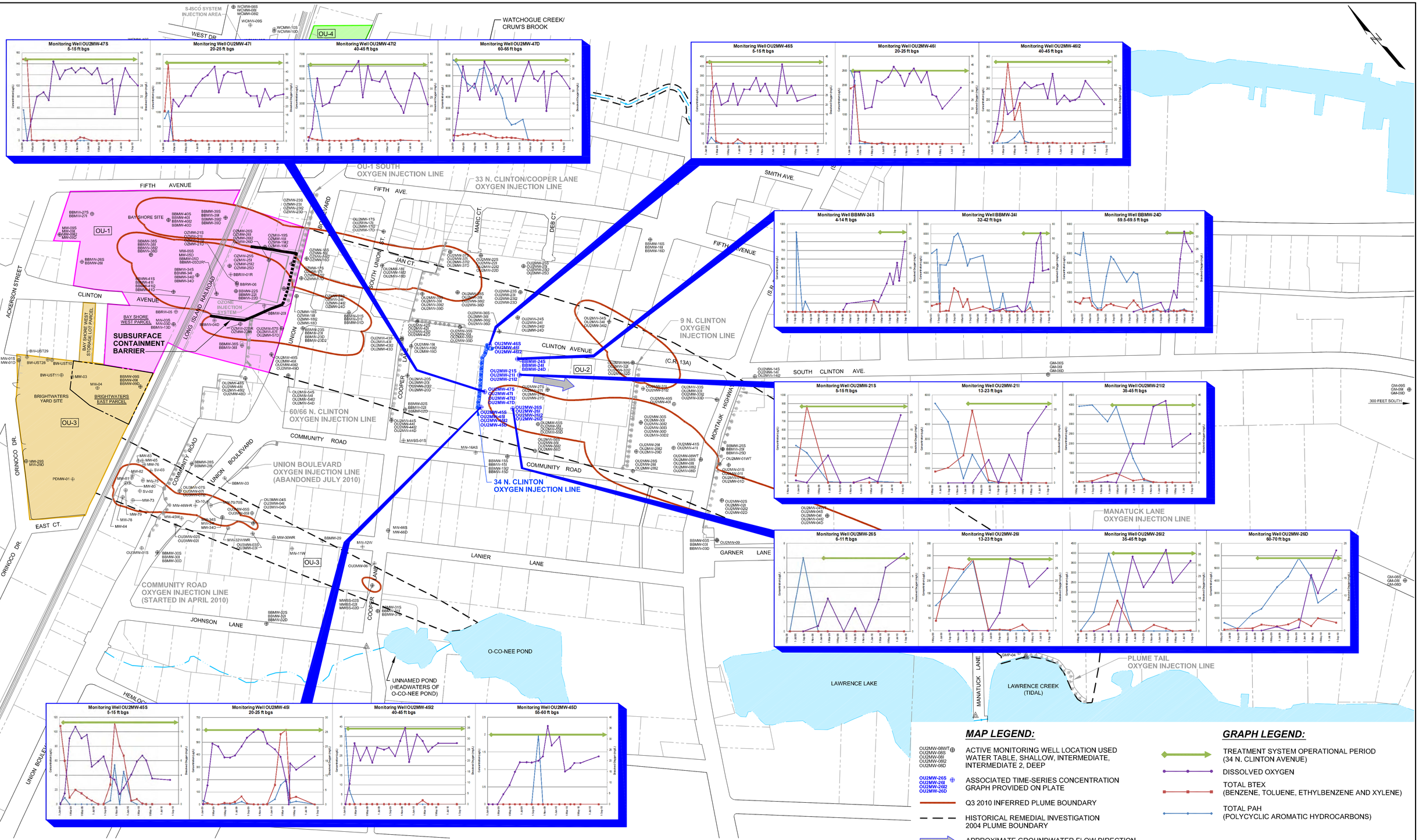
Project 093180-5-1506

GEI Consultants
110 WALT WHITMAN ROAD
SUITE 204
HUNTINGTON STATION, NY 11746

COOPER LANE
OXYGEN INJECTION LINE
GROUNDWATER DATA

December 2010 Figure 6

I:\Project\National Grid\Bay Shore\Groundwater-Quarterly Monitoring\2010\GRAPHS\ Bay Shore-Graphs Q3 2010.dwg \Dec 15, 2010



MAP LEGEND:

- OU2MW-08WT, OU2MW-08S, OU2MW-08I, OU2MW-08I2, OU2MW-08D — ACTIVE MONITORING WELL LOCATION USED WATER TABLE, SHALLOW, INTERMEDIATE, INTERMEDIATE 2, DEEP
- OU2MW-26S, OU2MW-26I, OU2MW-26I2, OU2MW-26D — ASSOCIATED TIME-SERIES CONCENTRATION GRAPH PROVIDED ON PLATE
- Q3 2010 INFERRED PLUME BOUNDARY
- HISTORICAL REMEDIAL INVESTIGATION 2004 PLUME BOUNDARY
- APPROXIMATE GROUNDWATER FLOW DIRECTION

GRAPH LEGEND:

- TREATMENT SYSTEM OPERATIONAL PERIOD (34 N. CLINTON AVENUE)
- DISSOLVED OXYGEN
- TOTAL BTEX (BENZENE, TOLUENE, ETHYLBENZENE AND XYLENE)
- TOTAL PAH (POLYCYCLIC AROMATIC HYDROCARBONS)

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NOTE:

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BAY SHORE/BRIGHTWATERS
FORMER MGP SITE
BAY SHORE, NEW YORK

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110 WALT WHITMAN ROAD
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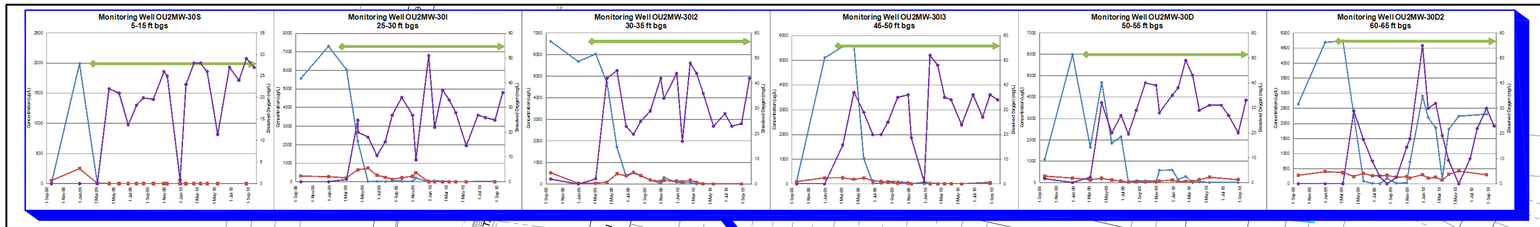
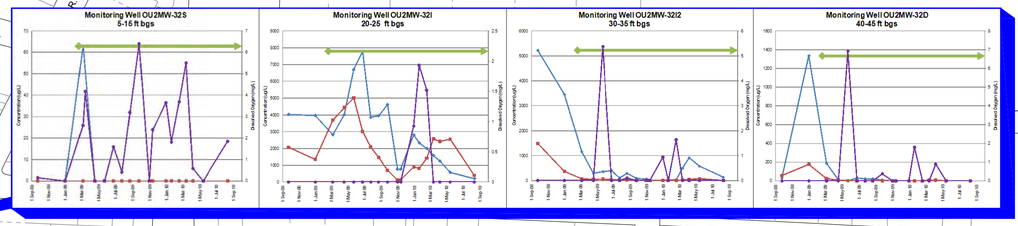
HUNTINGTON STATION, NY 11746

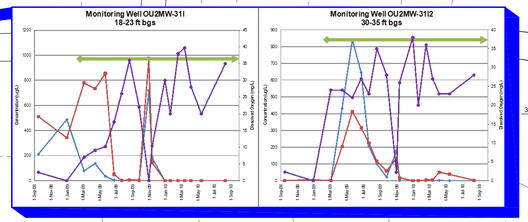
34 N. CLINTON AVENUE OXYGEN INJECTION LINE GROUNDWATER DATA

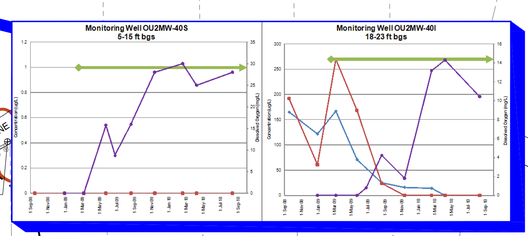
December 2010 — Figure 7

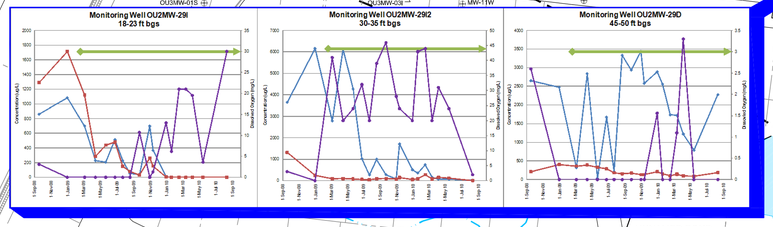
I:\Project\National Grid\Bay Shore\Groundwater-Quarterly Monitoring\2010\GRAPHS\ Bay Shore-Graphs Q3 2010.dwg \Dec 15, 2010

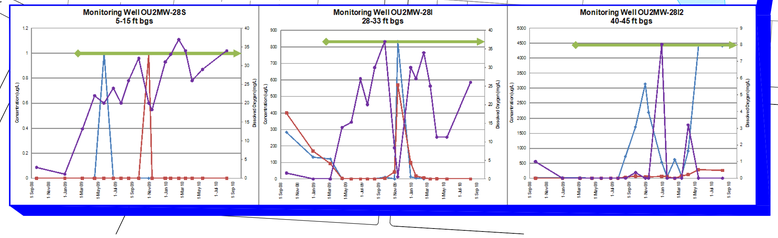


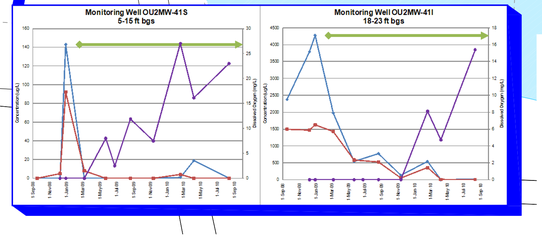












OU-1 SOUTH OXYGEN INJECTION LINE

33 N. CLINTON/COOPER LANE OXYGEN INJECTION LINE

9 N. CLINTON OXYGEN INJECTION LINE

60/66 N. CLINTON OXYGEN INJECTION LINE

UNION BOULEVARD OXYGEN INJECTION LINE (ABANDONED JULY 2010)

34 N. CLINTON OXYGEN INJECTION LINE

MONTAUK HIGHWAY OXYGEN INJECTION LINE

PLUME TAIL OXYGEN INJECTION LINE

SUBSURFACE CONTAINMENT BARRIER

OZONE INJECTION SYSTEM

OU-1

OU-2

OU-3

BAY SHORE SITE

BAY SHORE WEST PARCEL

BAY SHORE WEST STORAGE LOT PARCEL

BRIGHTWATERS YARD SITE

BRIGHTWATERS EAST PARCEL

WATCHOGUE CREEK (TIDAL)

LAWRENCE CREEK (TIDAL)

O-CO-NEE POND

UNNAMED POND (HEADWATERS OF O-CO-NEE POND)

LAWRENCE LAKE

FIFTH AVENUE

CLINTON AVENUE

SOUTH CLINTON AVE.

SMITH AVE.

GIBSON ST.

LINDEN

JAN CT.

DEB CT.

MARY CT.

EAST CT.

GARNER LANE

LANIER LANE

COMMUNITY ROAD

UNION BOULEVARD

OAK

NORTH

UNION

SOUTH UNION ST.

COOPER LANE

HIGHWAY

MONTAUK

ACKERSON STREET

LONG ISLAND RAILROAD

ORINOCO DR.

HEMLOCK

MANATUCK LANE

(C.R. 27A)

(C.R. 13A)

0 150 300

SCALE, FEET

MAP LEGEND:

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- OU2MW-32S, OU2MW-32I, OU2MW-32I2, OU2MW-32D — ASSOCIATED TIME-SERIES CONCENTRATION GRAPH PROVIDED ON PLATE
- Q3 2010 INFERRED PLUME BOUNDARY
- HISTORICAL REMEDIAL INVESTIGATION 2004 PLUME BOUNDARY
- APPROXIMATE GROUNDWATER FLOW DIRECTION

GRAPH LEGEND:

- TREATMENT SYSTEM OPERATIONAL PERIOD (9 N. CLINTON AVENUE)
- DISSOLVED OXYGEN
- TOTAL BTEX (BENZENE, TOLUENE, ETHYLBENZENE AND XYLENE)
- TOTAL PAH (POLYCYCLIC AROMATIC HYDROCARBONS)

SOURCES:

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NOTE:
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BAY SHORE/BRIGHTWATERS
FORMER MGP SITE
BAY SHORE, NEW YORK

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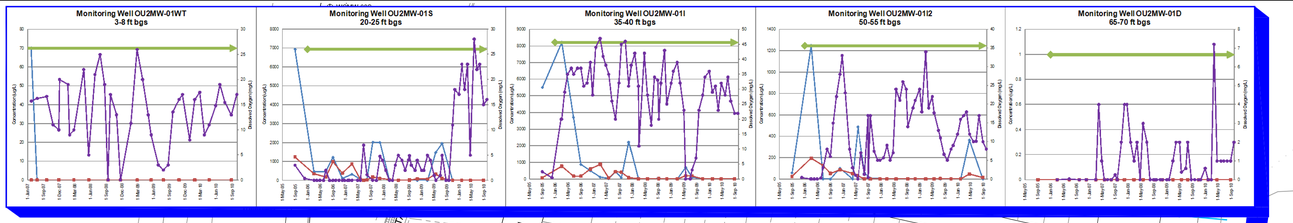
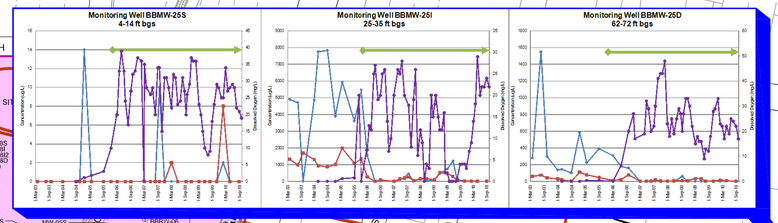
SUITE 204
HUNTINGTON STATION, NY 11746

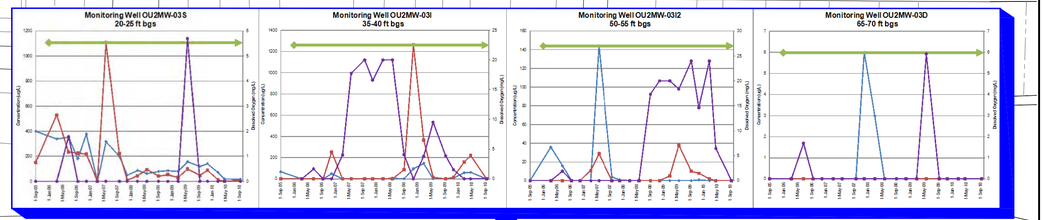
9 N. CLINTON AVENUE OXYGEN INJECTION LINE GROUNDWATER DATA

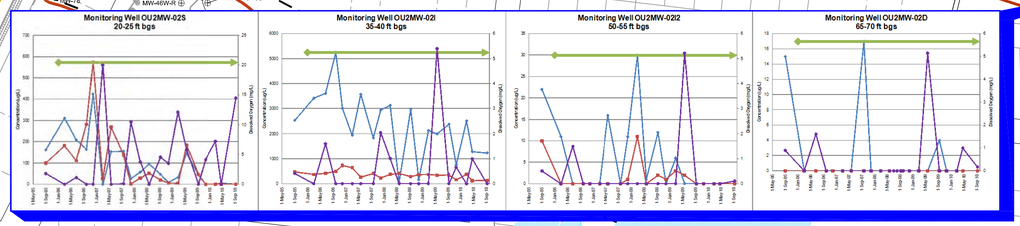
December 2010 Figure 8

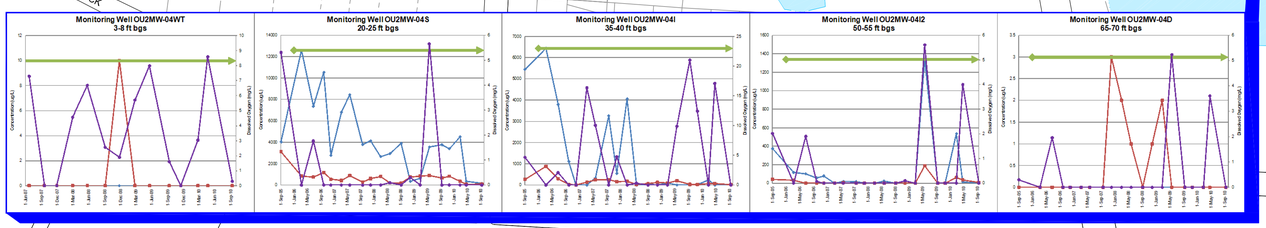
I:\Project\National Grid\Bay Shore\Groundwater-Quarterly Monitoring\2010\GRAPHS\ Bay Shore-Graphs Q3 2010.dwg \Dec 15, 2010











WATCHOGUE CREEK (TIDAL)

OCEAN AVE.

FIFTH AVENUE

CLINTON AVENUE

SOUTH CLINTON AVE.

ACKERSON STREET

CLINTON AVENUE

BAY SHORE WEST PARCEL

BAY SHORE HUST STORAGE LOT PARCEL

SUBSURFACE CONTAINMENT BARRIER

OZONE INJECTION SYSTEM

LONG ISLAND RAILROAD

OU-1

OU-2

OU-3

BRIGHTWATERS YARD SITE

BRIGHTWATERS EAST PARCEL

9 N. CLINTON OXYGEN INJECTION LINE

60/66 N. CLINTON OXYGEN INJECTION LINE

34 N. CLINTON OXYGEN INJECTION LINE

UNION BOULEVARD OXYGEN INJECTION LINE (ABANDONED JULY 2010)

MONTAUK HIGHWAY OXYGEN INJECTION LINE

MANATUCK LANE OXYGEN INJECTION LINE

PLUME TAIL OXYGEN INJECTION LINE

COMMUNITY ROAD

COOPER LANE

UNION BOULEVARD

MONTAUK HIGHWAY

GARNER LANE

MANATUCK LANE

ORINOCO DR.

EAST CT.

HEMLOCK

UNION BOULEVARD

O-CO-NEE POND

UNNAMED POND (HEADWATERS OF O-CO-NEE POND)

LAWRENCE LAKE

LAWRENCE CREEK (TIDAL)

(S.R. 27A)

300 FEET SOUTH

SCALE, FEET
0 150 300

MAP LEGEND:

- OU2MW-08WT, OU2MW-08S, OU2MW-08I, OU2MW-08I2, OU2MW-08D — ACTIVE MONITORING WELL LOCATION USED WATER TABLE, SHALLOW, INTERMEDIATE, INTERMEDIATE 2, DEEP
- OU2MW-02S, OU2MW-02I, OU2MW-02I2, OU2MW-02D — ASSOCIATED TIME-SERIES CONCENTRATION GRAPH PROVIDED ON PLATE
- Q3 2010 INFERRED PLUME BOUNDARY
- HISTORICAL REMEDIAL INVESTIGATION 2004 PLUME BOUNDARY
- APPROXIMATE GROUNDWATER FLOW DIRECTION

GRAPH LEGEND:

- TREATMENT SYSTEM OPERATIONAL PERIOD (MONTAUK HIGHWAY)
- DISSOLVED OXYGEN
- TOTAL BTEX (BENZENE, TOLUENE, ETHYLBENZENE AND XYLENE)
- TOTAL PAH (POLYCYCLIC AROMATIC HYDROCARBONS)

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.

NOTE:

WINDOWED SECTION OF THE SUBSURFACE CONTAINMENT BARRIER WALL CONSTRUCTED BETWEEN APPROXIMATELY 8 AND 38 FEET BELOW GROUND SURFACE (BGS).

BAY SHORE/BRIGHTWATERS
FORMER MGP SITE
BAY SHORE, NEW YORK

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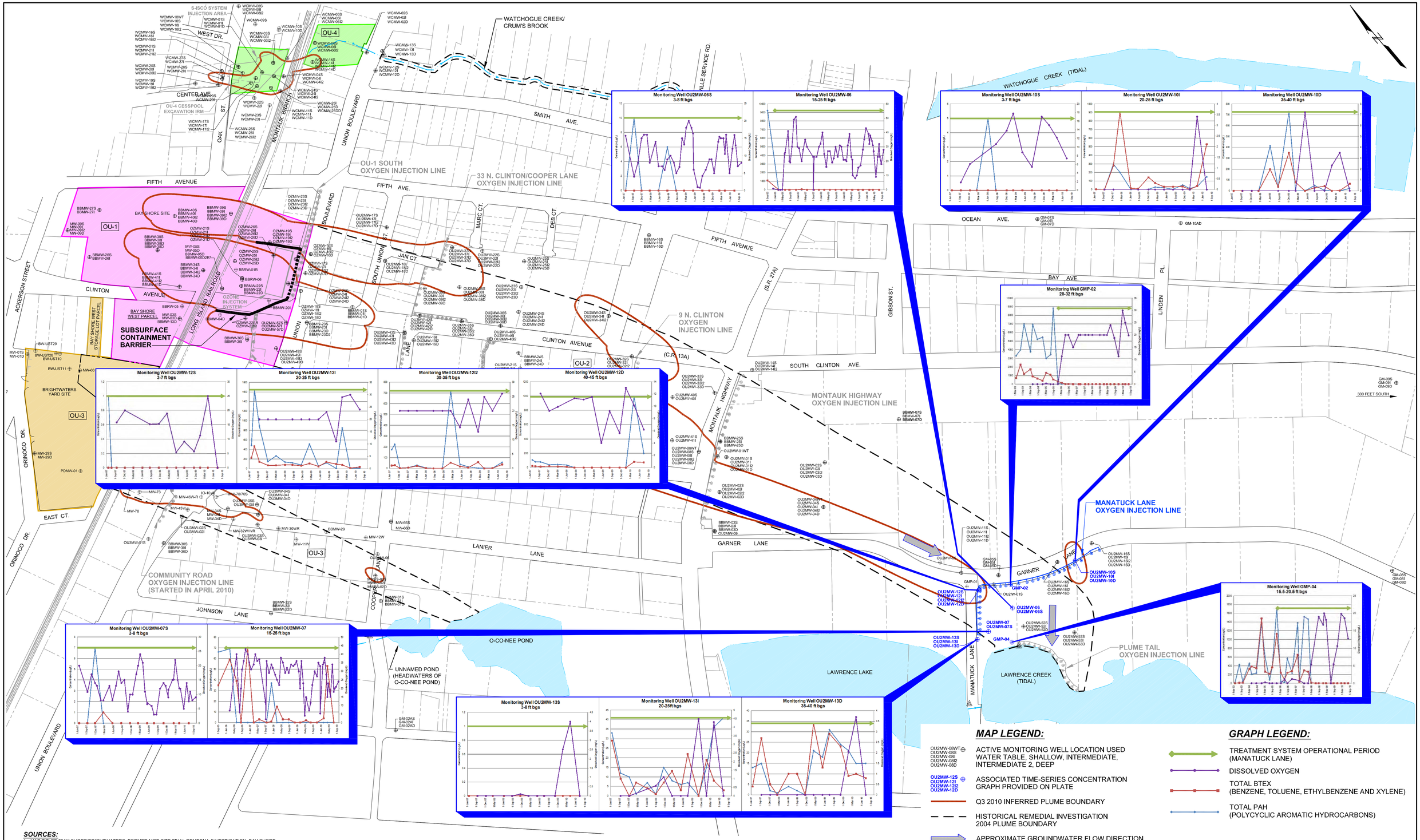
HUNTINGTON STATION, NY 11746

MONTAUK HIGHWAY OXYGEN INJECTION LINE GROUNDWATER DATA

December 2010 Figure 9

I:\Project\National Grid\Bay Shore\Groundwater-Quarterly Monitoring\2010\GRAPHS\ Bay Shore-Graphs Q3 2010.dwg \Dec 15, 2010



MAP LEGEND:

- OU2MW-08WT, OU2MW-08S, OU2MW-08I, OU2MW-08I2, OU2MW-08D — ACTIVE MONITORING WELL LOCATION USED WATER TABLE, SHALLOW, INTERMEDIATE, INTERMEDIATE 2, DEEP
- OU2MW-12S, OU2MW-12I, OU2MW-12I2, OU2MW-12D — ASSOCIATED TIME-SERIES CONCENTRATION GRAPH PROVIDED ON PLATE
- Q3 2010 INFERRED PLUME BOUNDARY
- HISTORICAL REMEDIAL INVESTIGATION 2004 PLUME BOUNDARY
- APPROXIMATE GROUNDWATER FLOW DIRECTION

GRAPH LEGEND:

- TREATMENT SYSTEM OPERATIONAL PERIOD (MANATUCK LANE)
- DISSOLVED OXYGEN
- TOTAL BTEX (BENZENE, TOLUENE, ETHYLBENZENE AND XYLENE)
- TOTAL PAH (POLYCYCLIC AROMATIC HYDROCARBONS)

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NOTE:

WINDOWED SECTION OF THE SUBSURFACE CONTAINMENT BARRIER WALL CONSTRUCTED BETWEEN APPROXIMATELY 8 AND 38 FEET BELOW GROUND SURFACE (BGS).

0 150 300
SCALE, FEET

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BAY SHORE, NEW YORK

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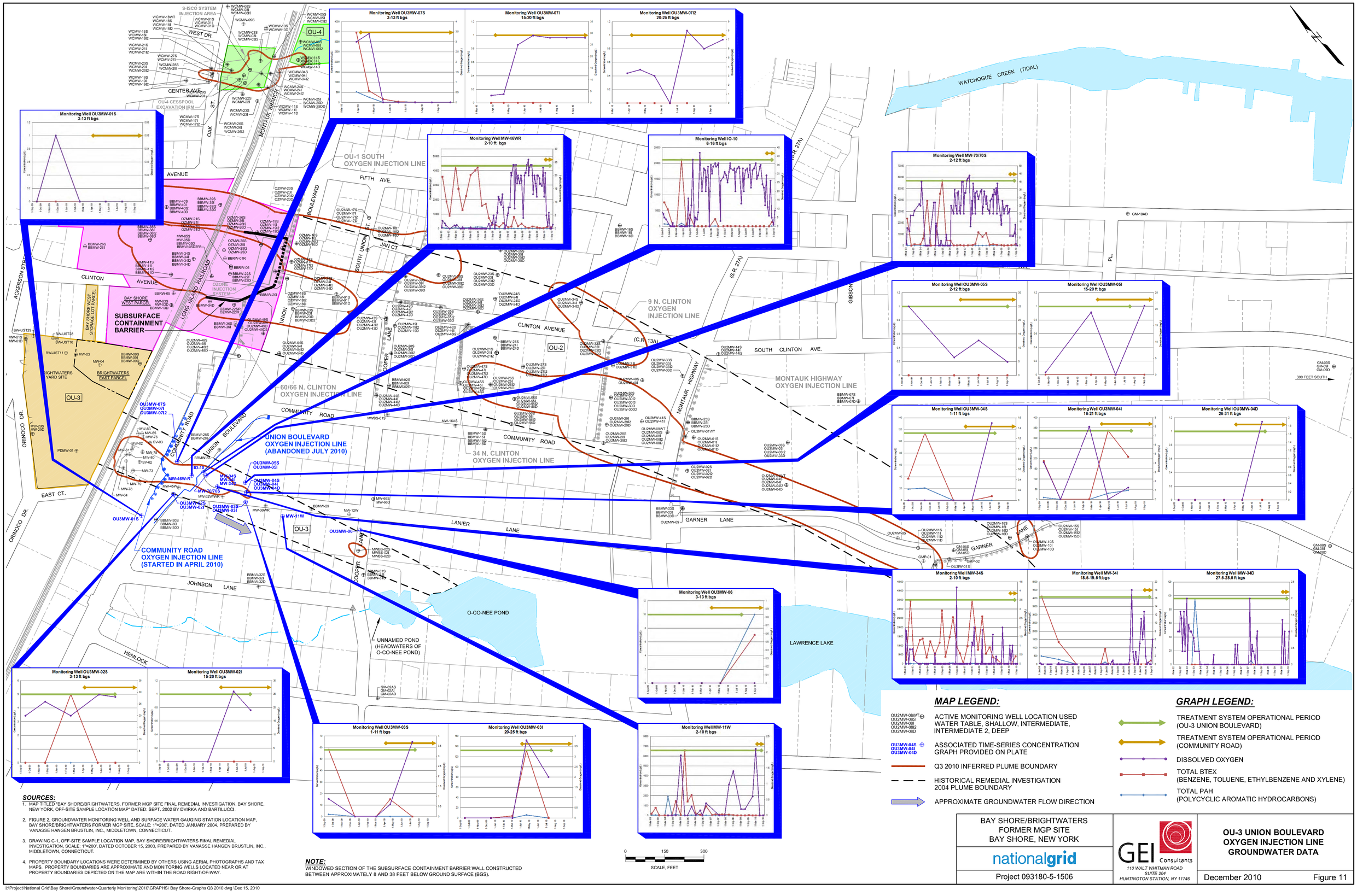
MANATUCK LANE OXYGEN INJECTION LINE GROUNDWATER DATA

December 2010 Figure 10

I:\Project\National Grid\Bay Shore\Groundwater-Quarterly Monitoring\2010\GRAPHS\ Bay Shore-Graphs Q3 2010.dwg \Dec 15, 2010



MAP LEGEND:

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- ASSOCIATED TIME-SERIES CONCENTRATION GRAPH PROVIDED ON PLATE
- Q3 2010 INFERRED PLUME BOUNDARY
- HISTORICAL REMEDIAL INVESTIGATION 2004 PLUME BOUNDARY
- APPROXIMATE GROUNDWATER FLOW DIRECTION

GRAPH LEGEND:

- TREATMENT SYSTEM OPERATIONAL PERIOD (OU-3 UNION BOULEVARD)
- TREATMENT SYSTEM OPERATIONAL PERIOD (COMMUNITY ROAD)
- DISSOLVED OXYGEN
- TOTAL BTEX (BENZENE, TOLUENE, ETHYLBENZENE AND XYLENE)
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NOTE:

WINDOWED SECTION OF THE SUBSURFACE CONTAINMENT BARRIER WALL CONSTRUCTED BETWEEN APPROXIMATELY 8 AND 38 FEET BELOW GROUND SURFACE (BGS).

BAY SHORE/BRIGHTWATERS
FORMER MGP SITE
BAY SHORE, NEW YORK

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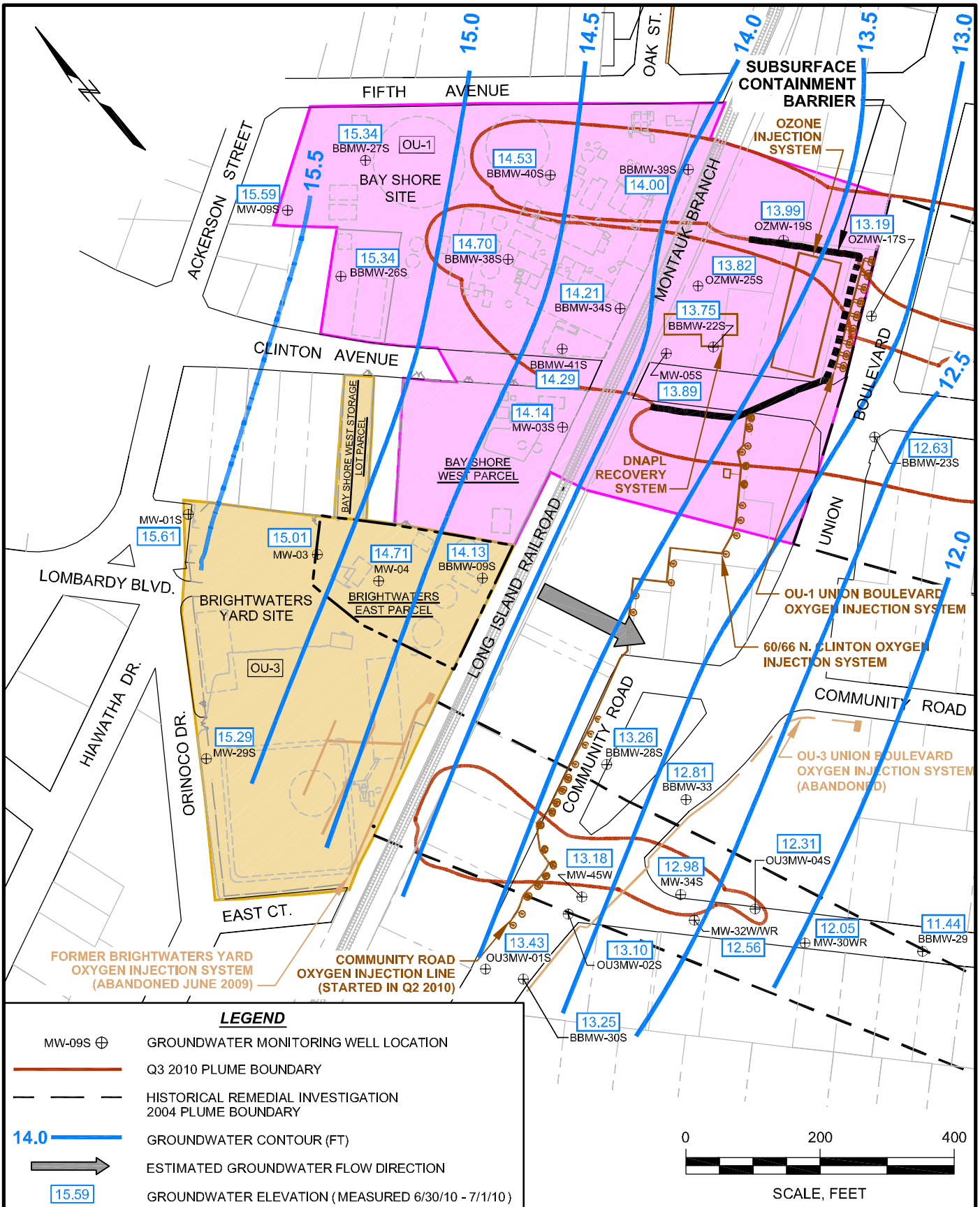
OU-3 UNION BOULEVARD OXYGEN INJECTION LINE GROUNDWATER DATA

December 2010 — Figure 11

I:\Project\National Grid\Bay Shore\Groundwater-Quarterly Monitoring\2010\GRAPHS\ Bay Shore-Graphs Q3 2010.dwg \Dec 15, 2010



BAY SHORE/BRIGHTWATERS
FORMER MGP SITE
BAY SHORE, NEW YORK

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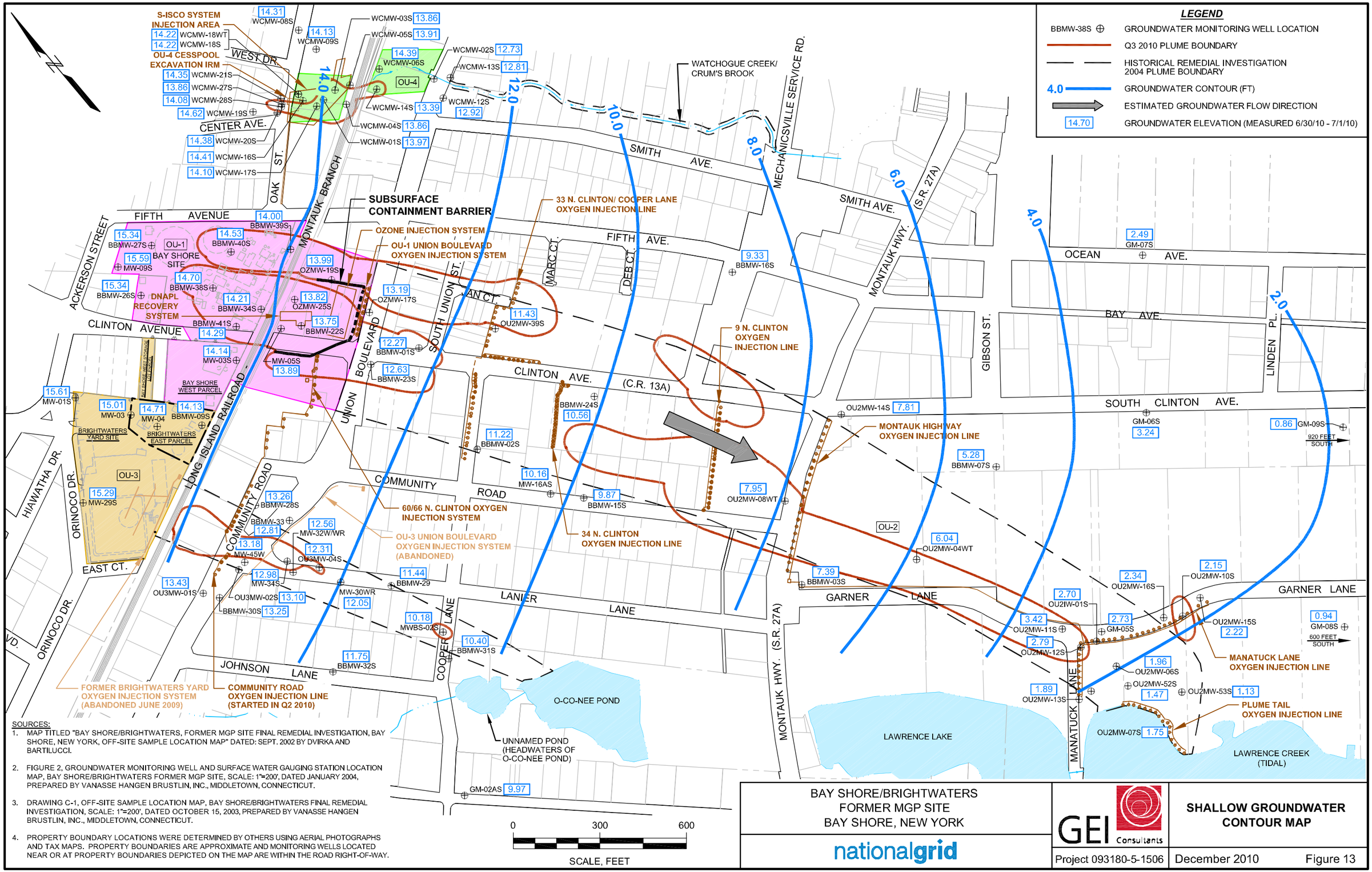
ON-SITE SHALLOW GROUNDWATER CONTOUR MAP

Project 093180-5-1506 | December 2010 | Figure 12

I:\Project\National Grid\Bay Shore\Groundwater-Quarterly Monitoring\2010\FIGs\ Bay Shore-onsite-SGWC-Q3-10.dwg \Dec 09, 2010



SOURCES:

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BAY SHORE/BRIGHTWATERS
FORMER MGP SITE
BAY SHORE, NEW YORK

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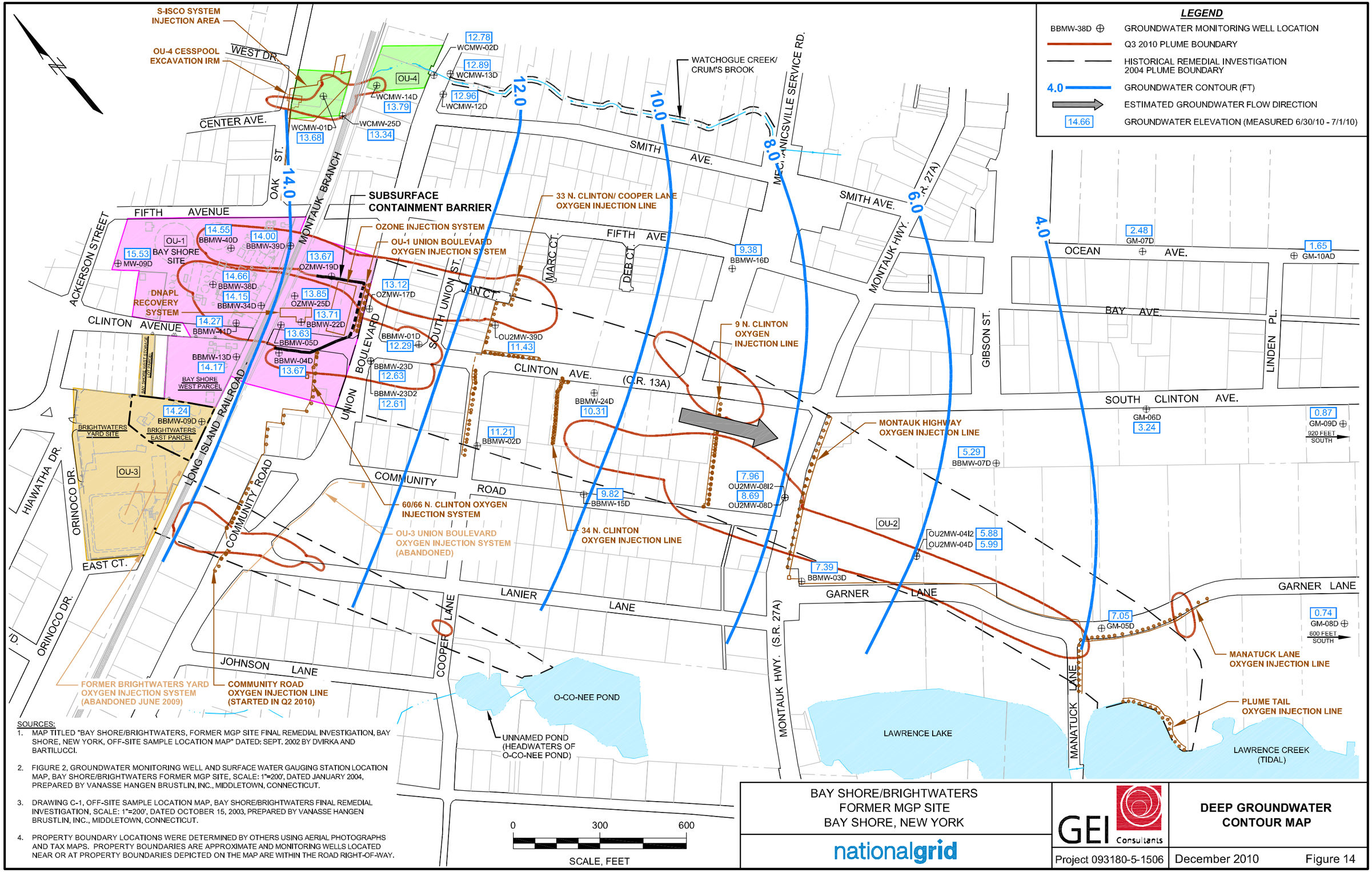
SHALLOW GROUNDWATER CONTOUR MAP

Project 093180-5-1506 | December 2010 | Figure 13

I:\Project\National Grid\Bay Shore\Groundwater-Quarterly Monitoring\2010\FIGs\ Bay Shore-S-D_GWC-Q3-10.dwg \Dec 28, 2010



SOURCES:

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FORMER MGP SITE
BAY SHORE, NEW YORK

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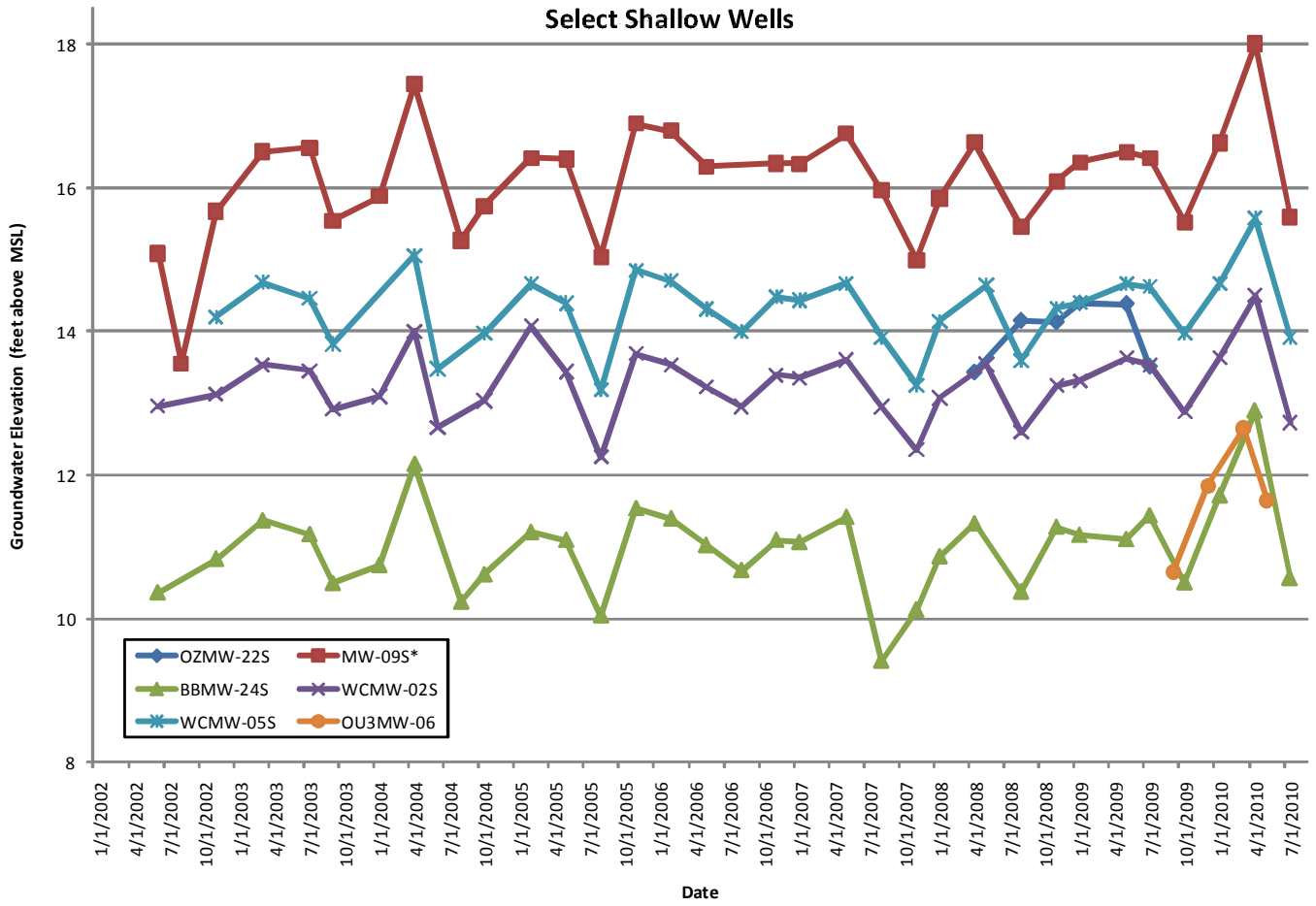
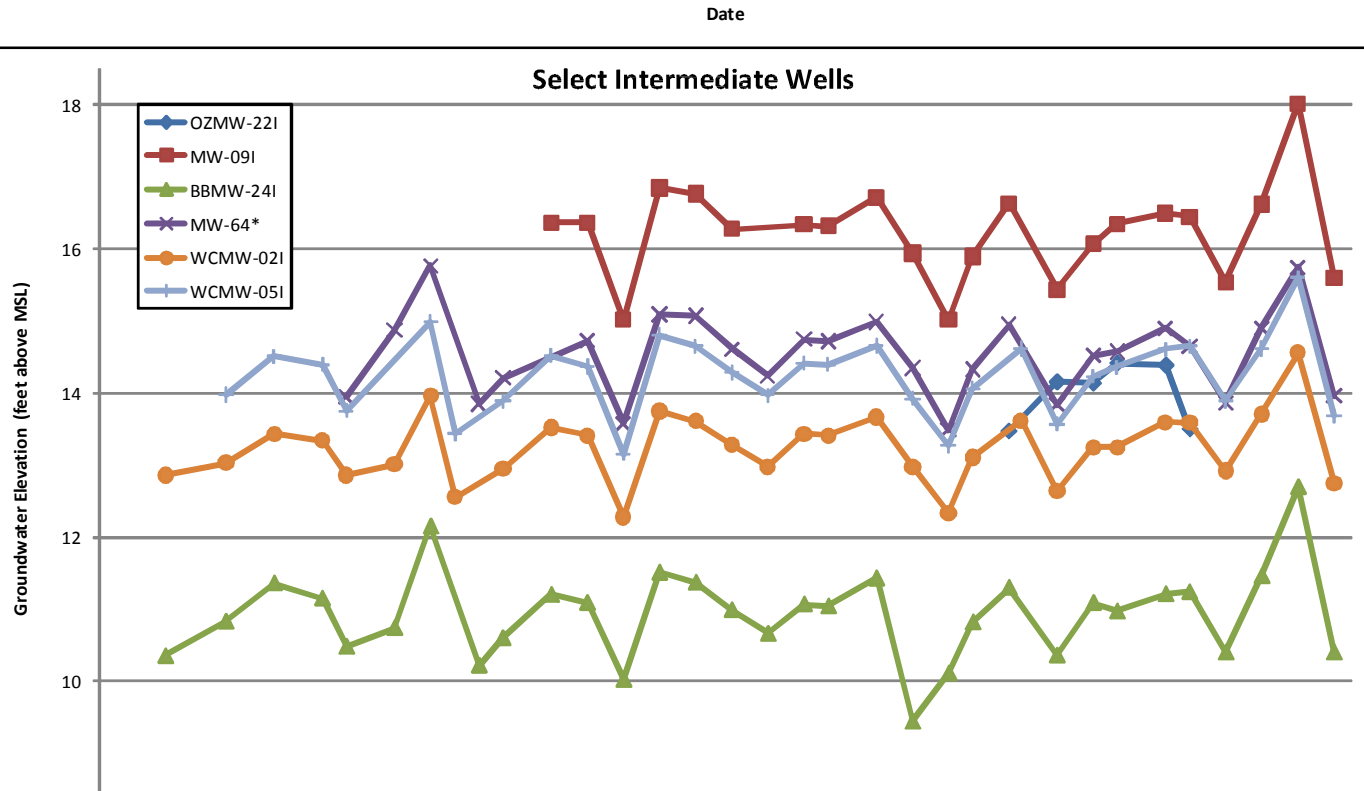
DEEP GROUNDWATER CONTOUR MAP

December 2010 Figure 14

I:\Project\National Grid\Bay Shore\Groundwater-Quarterly Monitoring\2010\FIGs\ Bay Shore-S-D_GWC-Q3-10.dwg \Dec 28, 2010





NOTES:

1. *DATA PRIOR TO JANUARY 2002 NOT SHOWN.
2. MSL = MEAN SEA LEVEL

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FORMER MGP SITE
BAY SHORE, NEW YORK

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HYDROGRAPHS OF SELECT WELLS

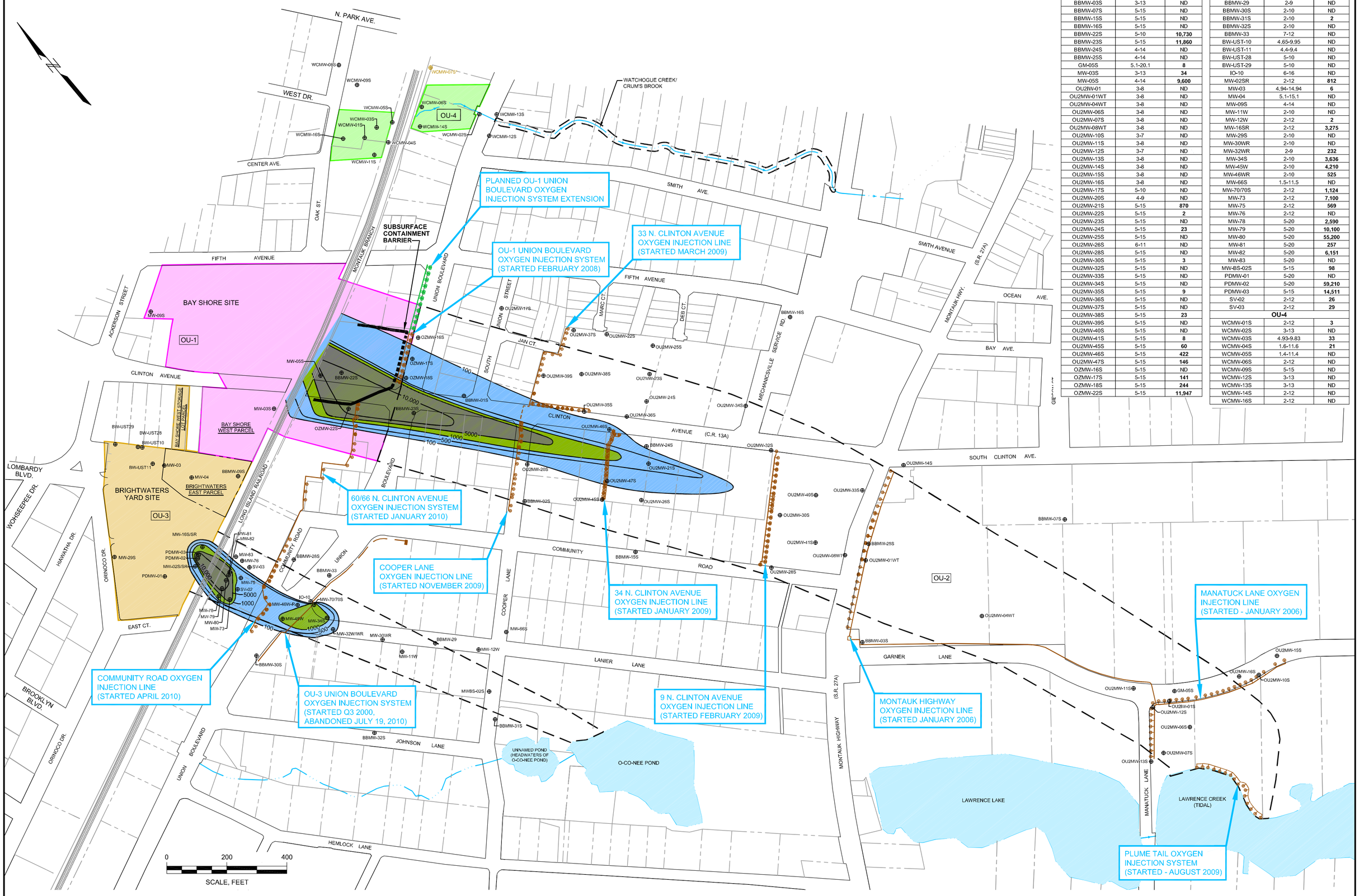
Project 093180-5-1506 | December 2010 | Figure 15

I:\Project\National Grid\Bay Shore\Groundwater-Quarterly Monitoring\2010\GRAPHS\ Bay Shore-Hydrographs.dwg \Dec 09, 2010

Q1 2009

Q1 2009 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total BTEX (µg/L)
OU-1 and OU-2		
BBMW-01S	5-15	**284**
BBMW-02S	5-15	ND
BBMW-03S	3-13	ND
BBMW-07S	5-15	ND
BBMW-15S	5-15	ND
BBMW-16S	5-15	ND
BBMW-22S	5-10	**10,730**
BBMW-23S	5-15	**11,860**
BBMW-24S	4-14	ND
BBMW-25S	4-14	ND
GM-05S	5.1-20.1	**8**
MW-03S	3-13	**34**
MW-05S	4-14	**9,600**
OU2IW-01	3-8	ND
OU2MW-01WT	3-8	ND
OU2MW-04WT	3-8	ND
OU2MW-06S	3-8	ND
OU2MW-07S	3-8	ND
OU2MW-08WT	3-8	ND
OU2MW-10S	3-7	ND
OU2MW-11S	3-8	ND
OU2MW-12S	3-7	ND
OU2MW-13S	3-8	ND
OU2MW-14S	3-8	ND
OU2MW-15S	3-8	ND
OU2MW-16S	3-8	ND
OU2MW-17S	5-10	ND
OU2MW-20S	4-9	ND
OU2MW-21S	5-15	**870**
OU2MW-22S	5-15	**2**
OU2MW-23S	5-15	ND
OU2MW-24S	5-15	**23**
OU2MW-25S	5-15	ND
OU2MW-26S	6-11	ND
OU2MW-28S	5-15	ND
OU2MW-30S	5-15	**3**
OU2MW-32S	5-15	ND
OU2MW-33S	5-15	ND
OU2MW-34S	5-15	ND
OU2MW-35S	5-15	**9**
OU2MW-36S	5-15	ND
OU2MW-37S	5-15	ND
OU2MW-38S	5-15	**23**
OU2MW-39S	5-15	ND
OU2MW-40S	5-15	ND
OU2MW-41S	5-15	**8**
OU2MW-46S	5-15	**422**
OU2MW-47S	5-15	**146**
OZMW-16S	5-15	ND
OZMW-17S	5-15	**141**
OZMW-18S	5-15	**244**
OZMW-22S	5-15	**11,947**

Q1 2009 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total BTEX (µg/L)
OU-3		
BBMW-09S	5-15	ND
BBMW-28S	2-12	ND
BBMW-29	2-9	ND
BBMW-30S	2-10	ND
BBMW-31S	2-10	**2**
BBMW-32S	2-10	ND
BBMW-33	7-12	ND
BW-UST-10	4.65-9.95	ND
BW-UST-11	4.4-9.4	ND
BW-UST-28	5-10	ND
BW-UST-29	5-10	ND
IO-10	6-16	ND
MW-02SR	2-12	**812**
MW-03	4.94-14.94	**6**
MW-04	5.1-15.1	ND
MW-09S	4-14	ND
MW-11W	2-10	ND
MW-12W	2-12	**2**
MW-16SR	2-12	**3,275**
MW-29S	2-10	ND
MW-30WR	2-10	ND
MW-32WR	2-9	**232**
MW-34S	2-10	**3,636**
MW-45W	2-10	**4,210**
MW-46WR	2-10	**525**
MW-66S	1.5-11.5	ND
MW-70/70S	2-12	**1,124**
MW-73	2-12	**7,100**
MW-75	2-12	**569**
MW-76	2-12	ND
MW-78	5-20	**2,590**
MW-79	5-20	**10,100**
MW-80	5-20	**55,200**
MW-81	5-20	**257**
MW-82	5-20	**6,151**
MW-83	5-20	ND
MW-BS-02S	5-15	**98**
PDMW-01	5-20	ND
PDMW-02	5-20	**59,210**
PDMW-03	5-15	**14,511**
SV-02	2-12	**26**
SV-03	2-12	**29**
OU-4		
WCMW-01S	2-12	**3**
WCMW-02S	3-13	ND
WCMW-03S	4.93-9.83	**33**
WCMW-04S	1.6-11.6	**21**
WCMW-05S	1.4-11.4	ND
WCMW-06S	2-12	ND
WCMW-09S	5-15	ND
WCMW-12S	3-13	ND
WCMW-13S	2-12	ND
WCMW-14S	2-12	ND
WCMW-16S	2-12	ND

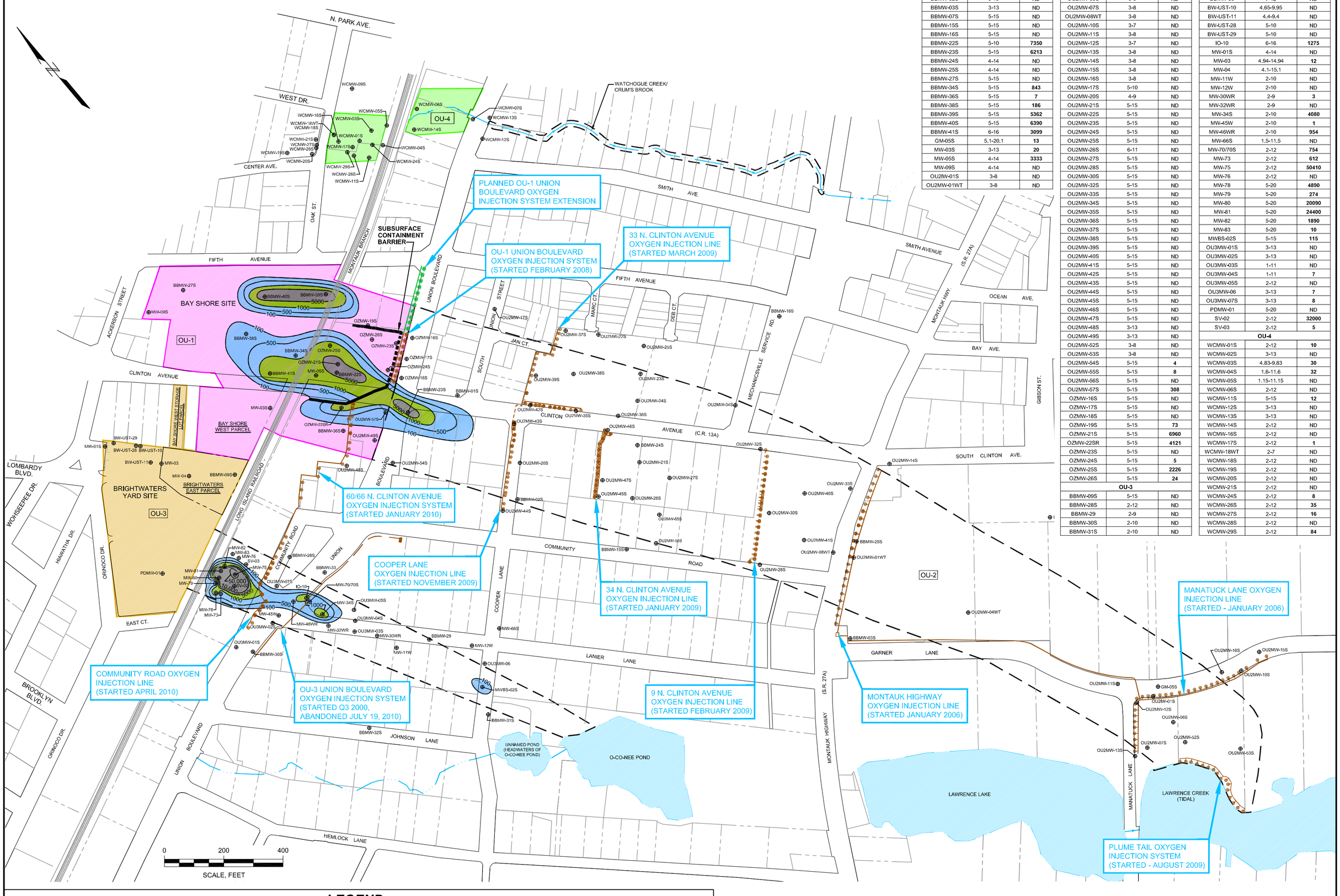


Q3 2010

Q3 2010 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total BTEX (µg/L)
OU-1 and OU-2		
BBMW-01S	5-15	**4**
BBMW-02S	5-15	ND
BBMW-03S	3-13	ND
BBMW-07S	5-15	ND
BBMW-15S	5-15	ND
BBMW-16S	5-15	ND
BBMW-22S	5-10	**7350**
BBMW-23S	5-15	**6213**
BBMW-24S	4-14	ND
BBMW-25S	4-14	ND
BBMW-27S	5-15	ND
BBMW-34S	5-15	**843**
BBMW-36S	5-15	**7**
BBMW-38S	5-15	**186**
BBMW-39S	5-15	**5362**
BBMW-40S	5-15	**6390**
BBMW-41S	6-16	**3099**
GM-05S	5.1-20.1	**13**
MW-03S	3-13	**20**
MW-05S	4-14	**3333**
MW-09S	4-14	ND
OU2IW-01S	3-8	ND
OU2MW-01WT	3-8	ND

Q3 2010 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total BTEX (µg/L)
OU-1 and OU-2		
OU2MW-04WT	3-8	ND
OU2MW-06S	3-8	ND
OU2MW-07S	3-8	ND
OU2MW-08WT	3-8	ND
OU2MW-10S	3-7	ND
OU2MW-11S	3-8	ND
OU2MW-12S	3-7	ND
OU2MW-13S	3-8	ND
OU2MW-14S	3-8	ND
OU2MW-15S	3-8	ND
OU2MW-16S	3-8	ND
OU2MW-17S	5-10	ND
OU2MW-20S	4-9	ND
OU2MW-21S	5-15	ND
OU2MW-22S	5-15	ND
OU2MW-23S	5-15	ND
OU2MW-24S	5-15	ND
OU2MW-25S	5-15	ND
OU2MW-26S	6-11	ND
OU2MW-27S	5-15	ND
OU2MW-28S	5-15	ND
OU2MW-30S	5-15	ND
OU2MW-32S	5-15	ND
OU2MW-33S	5-15	ND
OU2MW-34S	5-15	ND
OU2MW-35S	5-15	ND
OU2MW-36S	5-15	ND
OU2MW-37S	5-15	ND
OU2MW-38S	5-15	ND
OU2MW-39S	5-15	ND
OU2MW-40S	5-15	ND
OU2MW-41S	5-15	ND
OU2MW-42S	5-15	ND
OU2MW-43S	3-13	ND
OU2MW-44S	3-8	ND
OU2MW-45S	5-15	ND
OU2MW-46S	5-15	ND
OU2MW-47S	3-13	ND
OU2MW-48S	3-13	ND
OU2MW-49S	3-13	ND
OU2MW-52S	3-8	ND
OU2MW-53S	3-8	ND
OU2MW-54S	5-15	**4**
OU2MW-55S	5-15	**8**
OU2MW-56S	5-15	ND
OU2MW-57S	5-15	**308**
OZMW-16S	5-15	ND
OZMW-17S	5-15	ND
OZMW-18S	5-15	ND
OZMW-19S	5-15	**73**
OZMW-21S	5-15	**6960**
OZMW-22SR	5-15	**4121**
OZMW-23S	5-15	ND
OZMW-24S	5-15	**5**
OZMW-25S	5-15	**2226**
OZMW-26S	5-15	**24**
OU-3		
BBMW-09S	5-15	ND
BBMW-28S	2-12	ND
BBMW-29	2-9	ND
BBMW-30S	2-10	ND
BBMW-31S	2-10	ND

Q3 2010 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total BTEX (µg/L)
OU-3		
BBMW-32S	2-10	ND
BBMW-33	7-12	ND
BW-UST-10	4.65-9.95	ND
BW-UST-11	4.4-9.4	ND
BW-UST-28	5-10	ND
BW-UST-29	5-10	ND
IO-10	6-16	**1275**
MW-01S	4-14	ND
MW-03	4.94-14.94	**12**
MW-04	4.1-15.1	ND
MW-11W	2-10	ND
MW-12W	2-10	ND
MW-30WR	2-9	**3**
MW-32WR	2-9	ND
MW-34S	2-10	**4080**
MW-45W	2-10	**1**
MW-46WR	2-10	**954**
MW-66S	1.5-11.5	ND
MW-70/70S	2-12	**754**
MW-73	2-12	**612**
MW-75	2-12	**50410**
MW-76	2-12	ND
MW-78	5-20	**4890**
MW-79	5-20	**274**
MW-80	5-20	**20090**
MW-81	5-20	**24400**
MW-82	5-20	**1890**
MW-83	5-20	**10**
MWBS-02S	5-15	**115**
OU3MW-01S	3-13	ND
OU3MW-02S	3-13	ND
OU3MW-03S	1-11	ND
OU3MW-04S	1-11	**7**
OU3MW-05S	2-12	ND
OU3MW-06	3-13	**7**
OU3MW-07S	3-13	**8**
PDMW-01	5-20	ND
SV-02	2-12	**32000**
SV-03	2-12	**5**
OU-4		
WCMW-01S	2-12	**10**
WCMW-02S	3-13	ND
WCMW-03S	4.83-9.83	**30**
WCMW-04S	1.6-11.6	**32**
WCMW-05S	1.15-11.15	ND
WCMW-06S	2-12	ND
WCMW-11S	5-15	**12**
WCMW-12S	3-13	ND
WCMW-13S	3-13	ND
WCMW-14S	2-12	ND
WCMW-16S	2-12	ND
WCMW-17S	2-12	**1**
WCMW-18WT	2-7	ND
WCMW-18S	2-12	ND
WCMW-19S	2-12	ND
WCMW-20S	2-12	ND
WCMW-21S	2-12	ND
WCMW-24S	2-12	**8**
WCMW-26S	2-12	**35**
WCMW-27S	2-12	**16**
WCMW-28S	2-12	ND
WCMW-29S	2-12	**84**



LEGEND:

- ⊕BBMW-33 — EXISTING MONITORING WELL CLUSTER LOCATION
- ISO-CONCENTRATION LINE (µg/L)
- µg/L — MICROGRAMS PER LITER
- BTEX — BENZENE, TOLUENE, ETHYLBENZENE AND XYLENE
- TOTAL BTEX ≧100 µg/L
- TOTAL BTEX ≧1,000 µg/L
- TOTAL BTEX ≧5,000 µg/L
- HISTORICAL REMEDIAL INVESTIGATION 2004 PLUME EXTENT BASED ON >100 µg/L TOTAL BTEX OR >100 µg/L TOTAL PAHs DETECTED IN GROUNDWATER
- INSTALLED OXYGEN INJECTION LINE
- PLANNED OXYGEN INJECTION LINE

NOTE:
WINDOWED SECTION OF THE SUBSURFACE CONTAINMENT BARRIER WALL CONSTRUCTED BETWEEN APPROXIMATELY 8 AND 38 FEET BELOW GROUND SURFACE (BGS).

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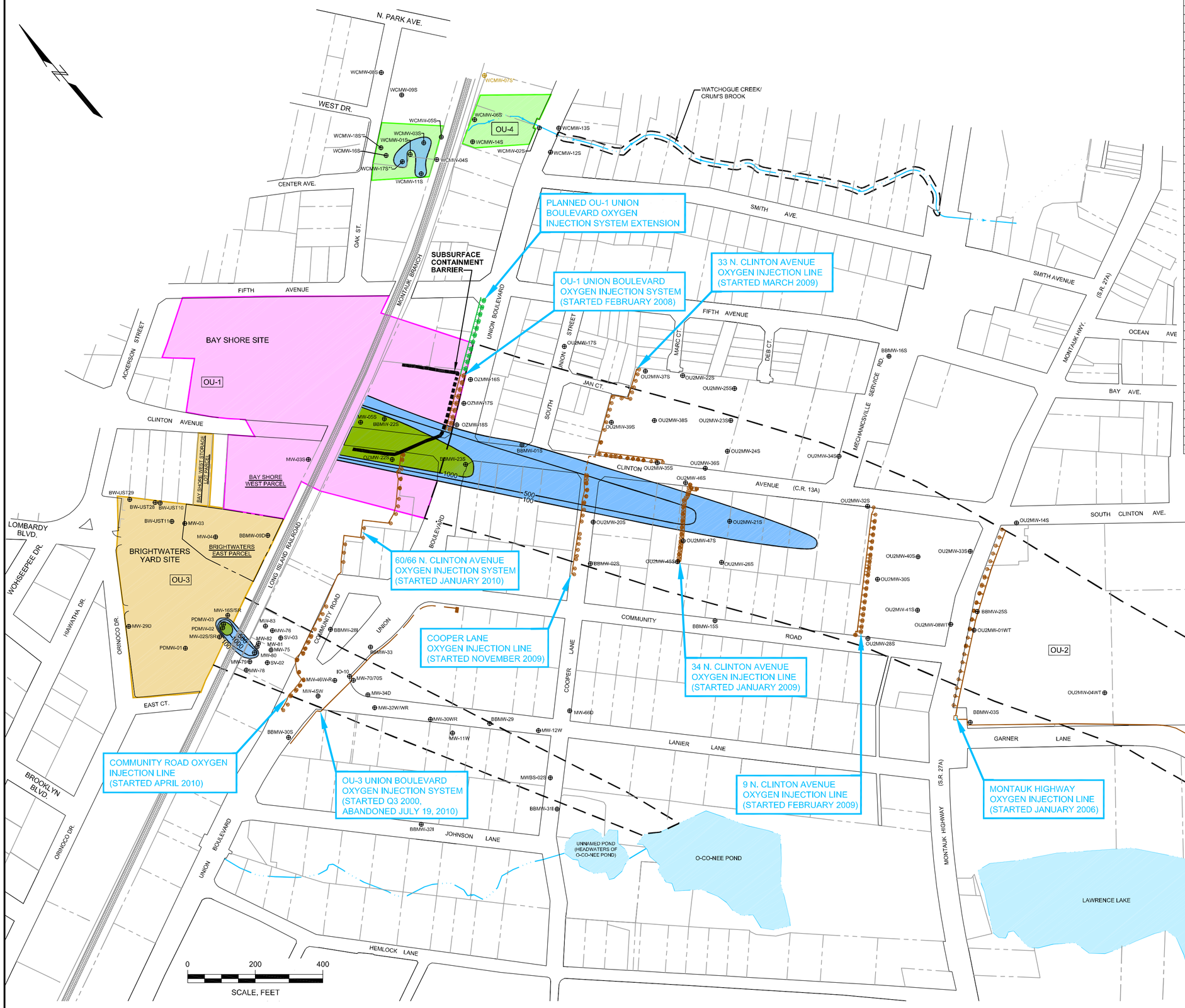
WATER TABLE GROUNDWATER BTEX ISO-CONCENTRATION MAP (0-10 FEET BGS) Q1 2009/Q3 2010 DATA

December 2010 — Figure 16

I:\Project\National Grid\Bay Shore\Groundwater-Quarterly Monitoring\2010\ISO-Concentrations\ BAY SHORE-BTEX & PAH PLUMES Q3-2010.dwg \Dec 22, 2010

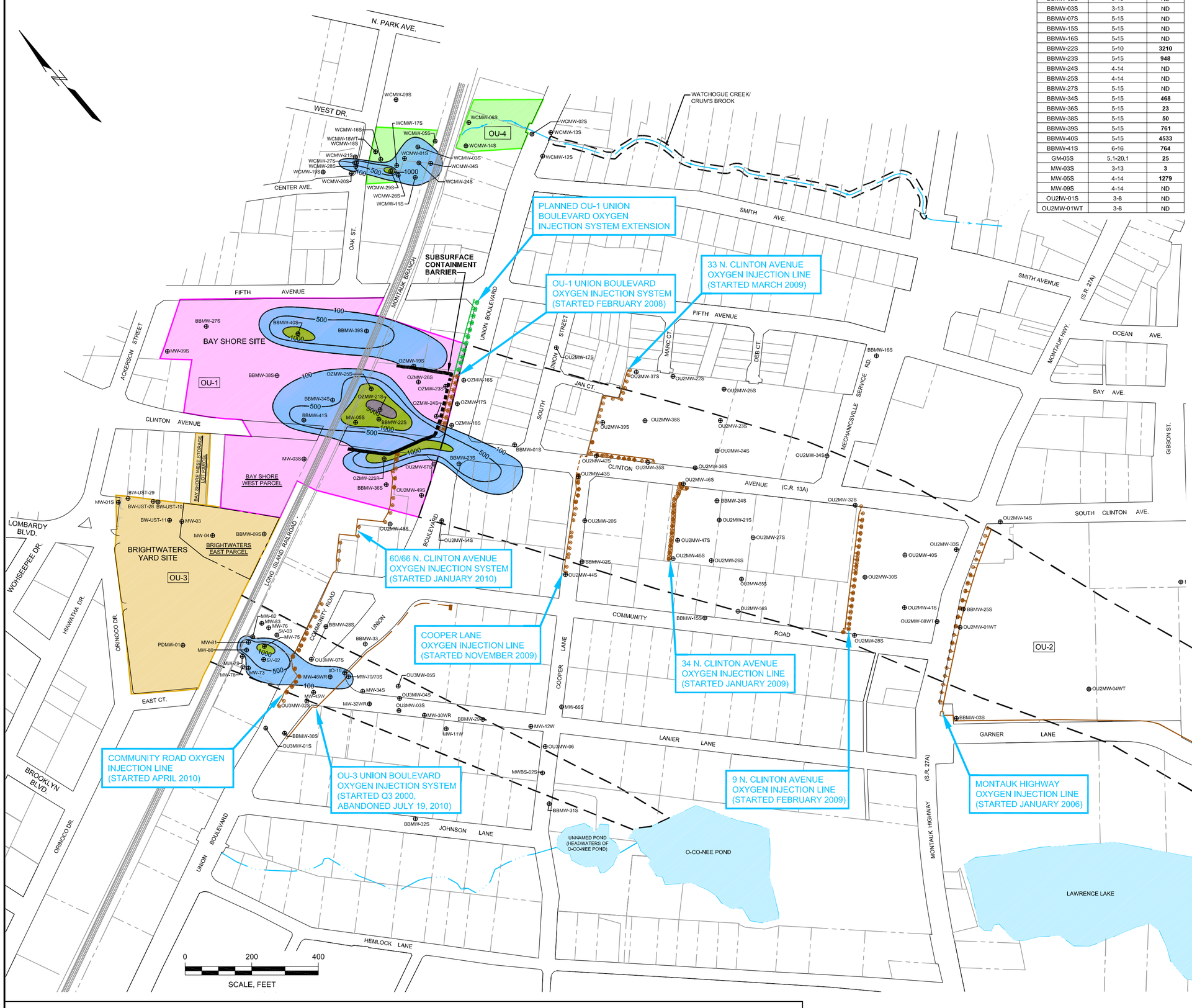
Q1 2009



Q1 2009 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total PAHs (µg/L)
OU-1 and OU-2		
BBMW-01S	5-15	**359**
BBMW-02S	5-15	ND
BBMW-03S	3-13	ND
BBMW-07S	5-15	ND
BBMW-15S	5-15	ND
BBMW-16S	5-15	ND
BBMW-22S	5-10	**1,664**
BBMW-23S	5-15	**1,673**
BBMW-24S	4-14	ND
BBMW-25S	4-14	ND
MW-03S	3-13	ND
GM-05S	5.1-20.1	**5**
MW-05S	4-14	**1,052**
MW-09S	4-14	ND
OU2IW-01	3-8	ND
OU2MW-01WT	3-8	ND
OU2MW-04WT	3-8	ND
OU2MW-06S	3-8	ND
OU2MW-07S	3-8	ND
OU2MW-08WT	3-8	ND
OU2MW-10S	3-7	ND
OU2MW-11S	3-8	ND
OU2MW-12S	3-7	ND
OU2MW-13S	3-8	ND
OU2MW-14S	3-8	ND
OU2MW-15S	3-8	ND
OU2MW-16S	3-8	ND
OU2MW-17S	5-10	ND
OU2MW-20S	4-9	ND
OU2MW-21S	5-15	**341**
OU2MW-22S	5-15	ND
OU2MW-23S	5-15	ND
OU2MW-24S	5-15	ND
OU2MW-25S	5-15	ND
OU2MW-26S	6-11	ND
OU2MW-27S	5-15	ND
OU2MW-28S	5-15	**10**
OU2MW-32S	5-15	**63**
OU2MW-33S	5-15	ND
OU2MW-34S	5-15	ND
OU2MW-35S	5-15	ND
OU2MW-36S	5-15	ND
OU2MW-37S	5-15	ND
OU2MW-38S	5-15	ND
OU2MW-39S	5-15	ND
OU2MW-40S	5-15	ND
OU2MW-41S	5-15	ND
OU2MW-45S	5-15	**9**
OU2MW-46S	5-15	**31**
OU2MW-47S	5-15	ND
OZMW-16S	5-15	ND
OZMW-17S	5-15	ND
OZMW-18S	5-15	ND
OZMW-22S	5-15	**1,850**

Q1 2009 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total PAHs (µg/L)
OU-3		
BBMW-09S	5-15	ND
BBMW-28S	2-12	ND
BBMW-29	2-9	ND
BBMW-30S	2-10	ND
BBMW-31S	2-10	ND
BBMW-32S	2-10	ND
BBMW-33	7-12	ND
BW-UST-10	4.65-9.95	ND
BW-UST-11	4.4-9.4	ND
BW-UST-28	5-10	ND
BW-UST-29	5-10	ND
IO-10	6-16	ND
MW-02SR	2-12	ND
MW-03	4.94-14.94	ND
MW-04	5.1-15.1	ND
MW-11W	2-10	ND
MW-12W	2-12	ND
MW-16SR	2-12	**28**
MW-29S	2-10	ND
MW-30WR	2-10	ND
MW-32WR	2-9	**3**
MW-34S	2-10	**83**
MW-45W	2-10	**10**
MW-46WR	2-10	**39**
MW-66S	1.5-11.5	ND
MW-70/70S	2-12	**14**
MW-73	2-12	**97**
MW-75	2-12	**1**
MW-76	2-12	ND
MW-78	5-20	ND
MW-79	5-20	**13**
MW-80	5-20	**522**
MW-81	5-20	**19**
MW-82	5-20	ND
MW-83	5-20	ND
MW-BS-02S	5-15	**3**
PDMW-01	5-20	ND
PDMW-02	5-20	**2,797**
PDMW-03	5-15	**2,100**
SV-02	2-12	ND
SV-03	2-12	ND
OU-4		
WCMW-01S	2-12	ND
WCMW-02S	3-13	ND
WCMW-03S	4.93-9.83	**243**
WCMW-04S	1.6-11.6	**43**
WCMW-05S	1.4-11.4	**5**
WCMW-06S	2-12	ND
WCMW-09S	5-15	ND
WCMW-12S	3-13	**4**
WCMW-13S	3-13	ND
WCMW-14S	2-12	ND
WCMW-16S	2-12	**24**

Q3 2010



Q3 2010 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total PAHs (µg/L)
OU-1 and OU-2		
BBMW-01S	5-15	**44**
BBMW-02S	5-15	ND
BBMW-03S	3-13	ND
BBMW-07S	5-15	ND
BBMW-15S	5-15	ND
BBMW-16S	5-15	ND
BBMW-22S	5-10	**3210**
BBMW-23S	5-15	**948**
BBMW-24S	4-14	ND
BBMW-25S	4-14	ND
BBMW-27S	5-15	ND
BBMW-34S	5-15	**468**
BBMW-36S	5-15	**23**
BBMW-38S	5-15	**50**
BBMW-39S	5-15	**761**
BBMW-40S	5-15	**4533**
BBMW-41S	6-16	**764**
GM-05S	5.1-20.1	**25**
MW-03S	3-13	**3**
MW-05S	4-14	**1279**
MW-09S	4-14	ND
OU2IW-01S	3-8	ND
OU2MW-01WT	3-8	ND

Q3 2010 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total PAHs (µg/L)
OU-1 and OU-2		
OU2MW-04WT	3-8	ND
OU2MW-06S	3-8	ND
OU2MW-07S	3-8	ND
OU2MW-08WT	3-8	ND
OU2MW-10S	3-7	ND
OU2MW-11S	3-8	ND
OU2MW-12S	3-7	ND
OU2MW-13S	3-8	ND
OU2MW-14S	3-8	ND
OU2MW-15S	3-8	ND
OU2MW-16S	3-8	ND
OU2MW-17S	5-10	ND
OU2MW-20S	4-9	ND
OU2MW-21S	5-15	ND
OU2MW-22S	5-15	ND
OU2MW-23S	5-15	ND
OU2MW-24S	5-15	ND
OU2MW-25S	5-15	ND
OU2MW-26S	6-11	ND
OU2MW-27S	5-15	ND
OU2MW-28S	5-15	ND
OU2MW-30S	5-15	ND
OU2MW-32S	5-15	ND
OU2MW-33S	5-15	ND
OU2MW-34S	5-15	ND
OU2MW-35S	5-15	ND
OU2MW-36S	5-15	ND
OU2MW-37S	5-15	ND
OU2MW-38S	5-15	ND
OU2MW-39S	5-15	ND
OU2MW-40S	5-15	ND
OU2MW-41S	5-15	ND
OU2MW-42S	5-15	ND
OU2MW-43S	5-15	ND
OU2MW-44S	5-15	ND
OU2MW-45S	5-15	ND
OU2MW-46S	5-15	ND
OU2MW-47S	5-15	ND
OU2MW-48S	3-13	ND
OU2MW-49S	3-13	ND
OU2MW-52S	3-8	ND
OU2MW-53S	3-8	ND
OU2MW-54S	5-15	ND
OU2MW-55S	5-15	ND
OU2MW-56S	5-15	ND
OU2MW-57S	5-15	**70**
OZMW-16S	5-15	ND
OZMW-17S	5-15	ND
OZMW-18S	5-15	ND
OZMW-19S	5-15	**241**
OZMW-21S	5-15	**5177**
OZMW-22SR	5-15	**1588**
OZMW-23S	5-15	ND
OZMW-24S	5-15	ND
OZMW-25S	5-15	**3504**
OZMW-26S	5-15	**3**
OU-3		
BBMW-09S	5-15	ND
BBMW-28S	2-12	ND
BBMW-29	2-9	ND
BBMW-30S	2-10	ND
BBMW-31S	2-10	ND

Q3 2010 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total PAHs (µg/L)
OU-3		
BBMW-32S	2-10	ND
BBMW-33	7-12	ND
BW-UST-10	4.65-9.95	ND
BW-UST-11	4.4-9.4	ND
BW-UST-28	5-10	ND
BW-UST-29	5-10	ND
IO-10	6-16	**102**
MW-01S	4-14	ND
MW-03	4.94-14.94	ND
MW-04	4.1-15.1	ND
MW-11W	2-10	ND
MW-12W	2-10	ND
MW-30WR	2-9	ND
MW-32WR	2-9	ND
MW-34S	2-10	**49**
MW-45W	2-10	**1**
MW-46WR	2-10	**173**
MW-66S	1.5-11.5	ND
MW-70/70S	2-12	**102**
MW-73	2-12	**234**
MW-75	2-12	**2178**
MW-76	2-12	ND
MW-78	5-20	ND
MW-79	5-20	ND
MW-80	5-20	**841**
MW-81	5-20	**547**
MW-82	5-20	**33**
MW-83	5-20	ND
MWBS-02S	5-15	**33**
OU3MW-01S	3-13	ND
OU3MW-02S	3-13	ND
OU3MW-03S	1-11	ND
OU3MW-04S	1-11	ND
OU3MW-05S	2-12	ND
OU3MW-06	3-13	**10**
OU3MW-07S	3-13	**13**
PDMW-01	5-20	ND
SV-02	2-12	**770**
SV-03	2-12	ND
OU-4		
WCMW-01S	2-12	**115**
WCMW-02S	3-13	**2**
WCMW-03S	4.83-9.83	**327**
WCMW-04S	1.6-11.6	**251**
WCMW-05S	1.15-11.15	**38**
WCMW-06S	2-12	ND
WCMW-11S	5-15	**496**
WCMW-12S	3-13	ND
WCMW-13S	3-13	ND
WCMW-14S	2-12	**26**
WCMW-16S	2-12	**43**
WCMW-17S	2-12	**431**
WCMW-18WT	2-7	ND
WCMW-18S	2-12	ND
WCMW-19S	2-12	ND
WCMW-20S	2-12	ND
WCMW-21S	2-12	ND
WCMW-24S	2-12	**215**
WCMW-26S	2-12	**394**
WCMW-27S	2-12	**708**
WCMW-28S	2-12	**396**
WCMW-29S	2-12	**2391**

LEGEND:

- ⊕BBMW-33 — EXISTING MONITORING WELL CLUSTER LOCATION
- ISO-CONCENTRATION LINE (µg/L)
- µg/L — MICROGRAMS PER LITER
- PAH — POLYCYCLIC AROMATIC HYDROCARBONS
- TOTAL PAH ≧100 µg/L
- TOTAL PAH ≧1,000 µg/L
- TOTAL PAH ≧5,000 µg/L
- HISTORICAL REMEDIAL INVESTIGATION 2004 PLUME EXTENT BASED ON >100 µg/L TOTAL BTEX OR >100 µg/L TOTAL PAHs DETECTED IN GROUNDWATER
- INSTALLED OXYGEN INJECTION LINE
- PLANNED OXYGEN INJECTION LINE

NOTE:
WINDOWED SECTION OF THE SUBSURFACE CONTAINMENT BARRIER WALL CONSTRUCTED BETWEEN APPROXIMATELY 8 AND 38 FEET BELOW GROUND SURFACE (BGS).

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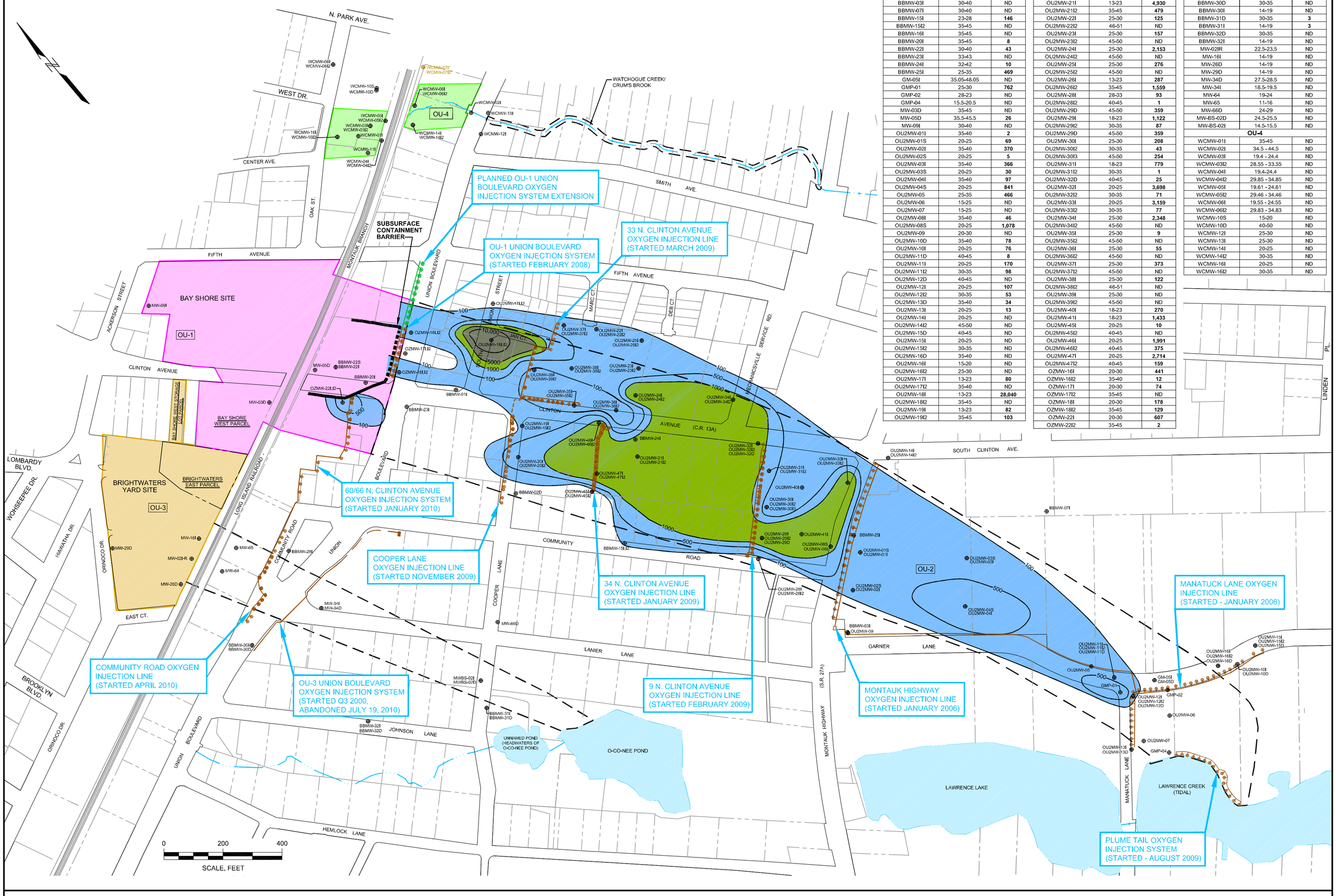
WATER TABLE GROUNDWATER PAH ISO-CONCENTRATION MAP (0-10 FEET BGS) Q1 2009/Q3 2010 DATA

December 2010 — Figure 17

I:\Project\National Grid\Bay Shore\Groundwater-Quarterly Monitoring\2010\ISO-Concentrations\ BAY SHORE-BTEX & PAH PLUMES Q3-2010.dwg \Dec 22, 2010

Q1 2009

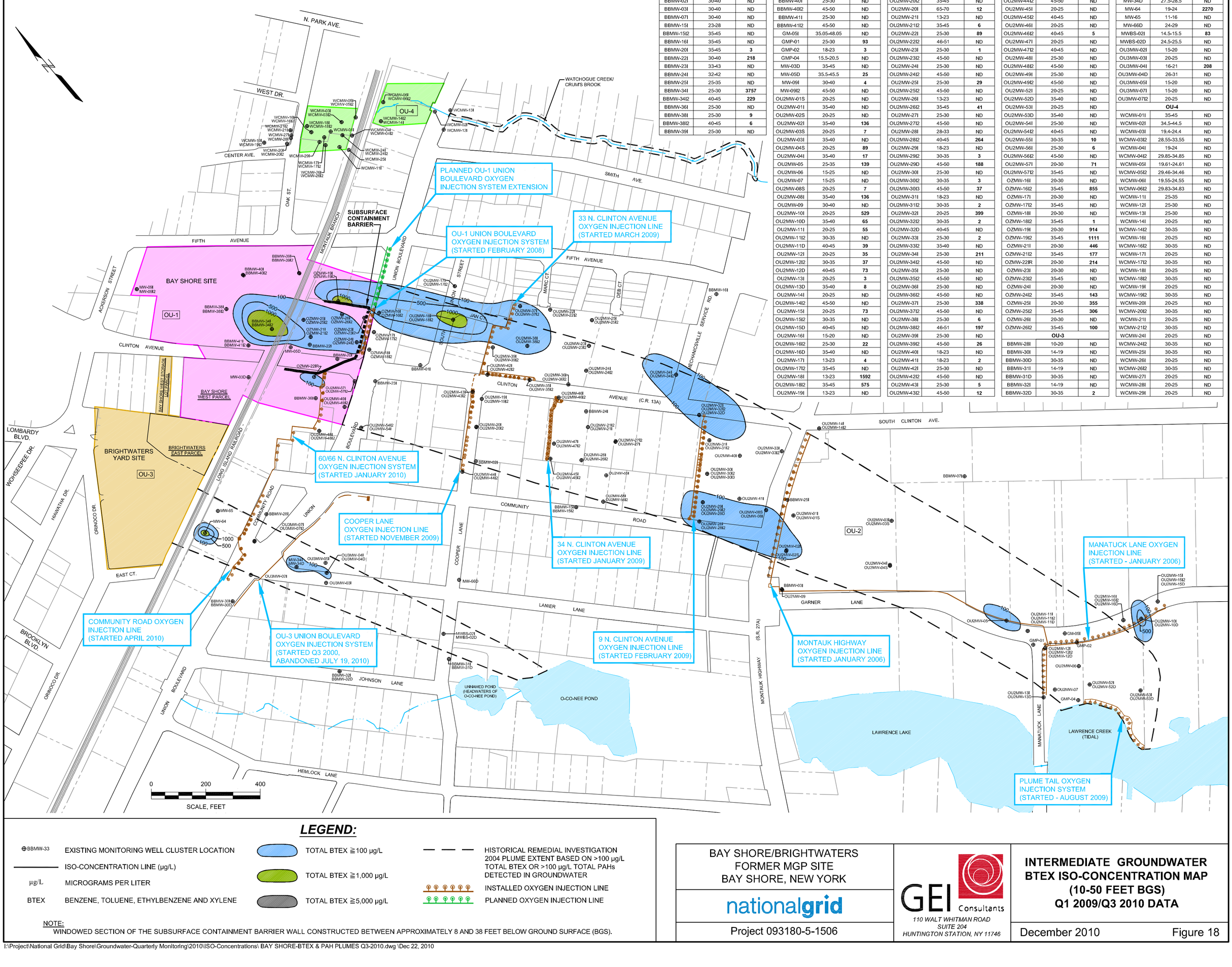


Q1 2009 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total BTEX (µg/L)
OU-1 and OU-2		
BBMW-01I	32-42	**47**
BBMW-02I	30-40	ND
BBMW-03I	30-40	ND
BBMW-07I	30-40	ND
BBMW-15I	23-28	**146**
BBMW-15I2	35-45	ND
BBMW-16I	35-45	ND
BBMW-20I	35-45	**8**
BBMW-22I	30-40	**43**
BBMW-23I	33-43	ND
BBMW-24I	32-42	**10**
BBMW-25I	25-35	**469**
GM-05I	35.05-48.05	ND
GMP-01	25-30	**762**
GMP-02	28-23	ND
GMP-04	15.5-20.5	ND
MW-03D	35-45	ND
MW-05D	35.5-45.5	**26**
MW-09I	30-40	ND
OU2MW-01I	35-40	**2**
OU2MW-01S	20-25	**69**
OU2MW-02I	35-40	**370**
OU2MW-02S	20-25	**5**
OU2MW-03I	35-40	**366**
OU2MW-03S	20-25	**30**
OU2MW-04I	35-40	**97**
OU2MW-04S	20-25	**841**
OU2MW-05	25-35	**466**
OU2MW-06	15-25	ND
OU2MW-07	15-25	ND
OU2MW-08I	35-40	**46**
OU2MW-08S	20-25	**1,078**
OU2MW-09	20-30	ND
OU2MW-10D	35-40	**78**
OU2MW-10I	20-25	**76**
OU2MW-11D	40-45	**8**
OU2MW-11I	20-25	**170**
OU2MW-11I2	30-35	**98**
OU2MW-12D	40-45	ND
OU2MW-12I	20-25	**107**
OU2MW-12I2	30-35	**53**
OU2MW-13D	35-40	**34**
OU2MW-13I	20-25	**13**
OU2MW-14I	20-25	ND
OU2MW-14I2	45-50	ND
OU2MW-15D	40-45	ND
OU2MW-15I	20-25	ND
OU2MW-15I2	30-35	ND
OU2MW-16D	35-40	ND
OU2MW-16I	15-20	ND
OU2MW-16I2	25-30	ND
OU2MW-17I	13-23	**80**
OU2MW-17I2	35-40	ND
OU2MW-18I	13-23	**28,040**
OU2MW-18I2	35-45	ND
OU2MW-19I	13-23	**82**
OU2MW-19I2	35-45	**103**

Q1 2009 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total BTEX (µg/L)
OU-1 and OU-2		
OU2MW-20I	13-23	**819**
OU2MW-20I2	35-45	ND
OU2MW-21I	13-23	**4,930**
OU2MW-21I2	35-45	**479**
OU2MW-22I	25-30	**125**
OU2MW-22I2	46-51	ND
OU2MW-23I	25-30	**157**
OU2MW-23I2	45-50	ND
OU2MW-24I	25-30	**2,153**
OU2MW-24I2	45-50	ND
OU2MW-25I	25-30	**276**
OU2MW-25I2	45-50	ND
OU2MW-26I	13-23	**287**
OU2MW-26I2	35-45	**1,559**
OU2MW-28I	28-33	**93**
OU2MW-28I2	40-45	**1**
OU2MW-29D	45-50	**359**
OU2MW-29I	18-23	**1,122**
OU2MW-29I2	30-35	**87**
OU2MW-29D	45-50	**359**
OU2MW-30I	25-30	**208**
OU2MW-30I2	30-35	**43**
OU2MW-30I3	45-50	**254**
OU2MW-31I	18-23	**779**
OU2MW-31I2	30-35	**1**
OU2MW-32D	40-45	**25**
OU2MW-32I	20-25	**3,698**
OU2MW-32I2	30-35	**71**
OU2MW-33I	20-25	**3,159**
OU2MW-33I2	30-35	**77**
OU2MW-34I	25-30	**2,348**
OU2MW-34I2	45-50	ND
OU2MW-35I	25-30	**9**
OU2MW-35I2	45-50	ND
OU2MW-36I	25-30	**55**
OU2MW-36I2	45-50	ND
OU2MW-37I	25-30	**373**
OU2MW-37I2	45-50	ND
OU2MW-38I	25-30	**122**
OU2MW-38I2	46-51	ND
OU2MW-39I	25-30	ND
OU2MW-39I2	45-50	ND
OU2MW-40I	18-23	**270**
OU2MW-41I	18-23	**1,433**
OU2MW-45I	20-25	**10**
OU2MW-45I2	40-45	ND
OU2MW-46I	20-25	**1,991**
OU2MW-46I2	40-45	**375**
OU2MW-47I	20-25	**2,714**
OU2MW-47I2	40-45	**159**
OZMW-16I	20-30	**441**
OZMW-16I2	35-40	**12**
OZMW-17I	20-30	**74**
OZMW-17I2	35-45	ND
OZMW-18I	20-30	**178**
OZMW-18I2	35-45	**129**
OZMW-22I	20-30	**607**
OZMW-22I2	35-45	**2**

Q1 2009 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total BTEX (µg/L)
OU-3		
BBMW-09I	20-30	ND
BBMW-28I	10-20	ND
BBMW-30D	30-35	ND
BBMW-30I	14-19	ND
BBMW-31D	30-35	**3**
BBMW-31I	14-19	**3**
BBMW-32D	30-35	ND
BBMW-32I	14-19	ND
MW-02IR	22.5-23.5	ND
MW-16I	14-19	ND
MW-26D	14-19	ND
MW-29D	14-19	ND
MW-34D	27.5-28.5	ND
MW-34I	18.5-19.5	ND
MW-64	19-24	ND
MW-65	11-16	ND
MW-66D	24-29	ND
MW-BS-02D	24.5-25.5	ND
MW-BS-02I	14.5-15.5	ND
OU-4		
WCMW-01I	35-45	ND
WCMW-02I	34.5 - 44.5	ND
WCMW-03I	19.4 - 24.4	ND
WCMW-03I2	28.55 - 33.55	ND
WCMW-04I	19.4-24.4	ND
WCMW-04I2	29.85 - 34.85	ND
WCMW-05I	19.61 - 24.61	ND
WCMW-05I2	29.46 - 34.46	ND
WCMW-06I	19.55 - 24.55	ND
WCMW-06I2	29.83 - 34.83	ND
WCMW-10S	15-20	ND
WCMW-10D	40-50	ND
WCMW-12I	25-30	ND
WCMW-13I	25-30	ND
WCMW-14I	20-25	ND
WCMW-14I2	30-35	ND
WCMW-16I	20-25	ND
WCMW-16I2	30-35	ND

Q3 2010



Q3 2010 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total BTEX (µg/L)
OU-1 and OU-2		
BBMW-01I	32-42	ND
BBMW-02I	30-40	ND
BBMW-03I	30-40	ND
BBMW-07I	30-40	ND
BBMW-15I	23-28	ND
BBMW-15I2	35-45	ND
BBMW-16I	35-45	ND
BBMW-20I	35-45	**3**
BBMW-22I	30-40	**218**
BBMW-23I	33-43	ND
BBMW-24I	32-42	ND
BBMW-25I	25-35	ND
BBMW-34I	25-30	**3757**
BBMW-34I2	40-45	**229**
BBMW-36I	25-30	ND
BBMW-38I	25-30	**9**
BBMW-38I2	40-45	**6**
BBMW-39I	25-30	ND

Q3 2010 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total BTEX (µg/L)
OU-1 and OU-2		
BBMW-39I2	45-50	ND
BBMW-40I	25-30	ND
BBMW-40I2	45-50	ND
BBMW-41I	25-30	ND
BBMW-41I2	45-50	ND
GM-05I	35.05-48.05	ND
GMP-01	25-30	**93**
GMP-02	18-23	**3**
GMP-04	15.5-20.5	ND
MW-03D	35-45	ND
MW-05D	35.5-45.5	**25**
MW-09I	30-40	**4**
MW-09I2	45-50	ND
OU2MW-01S	20-25	ND
OU2MW-01I	35-40	ND
OU2MW-02S	20-25	ND
OU2MW-02I	35-40	**136**
OU2MW-03S	20-25	**7**
OU2MW-03I	35-40	ND
OU2MW-04S	20-25	**89**
OU2MW-04I	35-40	**17**
OU2MW-05	25-35	**139**
OU2MW-06	15-25	ND
OU2MW-07	15-25	ND
OU2MW-08S	20-25	**7**
OU2MW-08I	35-40	**136**
OU2MW-09	30-40	ND
OU2MW-10I	20-25	**529**
OU2MW-10D	35-40	**65**
OU2MW-11I	20-25	**55**
OU2MW-11I2	30-35	ND
OU2MW-11D	40-45	**39**
OU2MW-12I	20-25	**35**
OU2MW-12I2	30-35	**37**
OU2MW-12D	40-45	**73**
OU2MW-13I	20-25	**3**
OU2MW-13D	35-40	**8**
OU2MW-14I	20-25	ND
OU2MW-14I2	45-50	ND
OU2MW-15I	20-25	**73**
OU2MW-15I2	30-35	ND
OU2MW-15D	40-45	ND
OU2MW-16I	15-20	ND
OU2MW-16I2	25-30	**22**
OU2MW-16D	35-40	ND
OU2MW-17I	13-23	**4**
OU2MW-17I2	35-45	ND
OU2MW-18I	13-23	**1592**
OU2MW-18I2	35-45	**575**
OU2MW-19I	13-23	ND

Q3 2010 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total BTEX (µg/L)
OU-1 and OU-2		
OU2MW-19I2	35-45	**22**
OU2MW-20I2	35-45	ND
OU2MW-20I	65-70	**12**
OU2MW-21I	13-23	ND
OU2MW-21I2	35-45	**6**
OU2MW-22I	25-30	**89**
OU2MW-22I2	46-51	ND
OU2MW-23I	25-30	**1**
OU2MW-23I2	45-50	ND
OU2MW-24I	25-30	ND
OU2MW-24I2	45-50	ND
OU2MW-25I	25-30	**29**
OU2MW-25I2	45-50	ND
OU2MW-26I	13-23	ND
OU2MW-26I2	35-45	**41**
OU2MW-27I	25-30	ND
OU2MW-27I2	45-50	ND
OU2MW-28I	28-33	ND
OU2MW-28I2	40-45	**264**
OU2MW-29I	18-23	ND
OU2MW-29I2	30-35	**3**
OU2MW-29D	45-50	**188**
OU2MW-30I	25-30	ND
OU2MW-30I2	30-35	**3**
OU2MW-30I3	45-50	**37**
OU2MW-31I	18-23	ND
OU2MW-31I2	30-35	**2**
OU2MW-32I	20-25	**399**
OU2MW-32I2	30-35	**2**
OU2MW-32D	40-45	ND
OU2MW-33I	25-30	**2**
OU2MW-33I2	35-40	ND
OU2MW-34I	25-30	**211**
OU2MW-34I2	45-50	ND
OU2MW-35I	25-30	ND
OU2MW-35I2	45-50	ND
OU2MW-36I	25-30	ND
OU2MW-36I2	45-50	ND
OU2MW-37I	25-30	**338**
OU2MW-37I2	45-50	ND
OU2MW-38I	25-30	**6**
OU2MW-38I2	46-51	**197**
OU2MW-39I	25-30	ND
OU2MW-39I2	45-50	**26**
OU2MW-40I	18-23	ND
OU2MW-41I	18-23	**2**
OU2MW-42I	25-30	ND
OU2MW-42I2	45-50	ND
OU2MW-43I	25-30	**5**
OU2MW-43I2	45-50	**12**

Q3 2010 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total BTEX (µg/L)
OU-1 and OU-2		
OU2MW-44I	25-30	ND
OU2MW-44I2	45-50	ND
OU2MW-45I	20-25	ND
OU2MW-45I2	40-45	ND
OU2MW-46I	20-25	ND
OU2MW-46I2	40-45	**5**
OU2MW-47I	20-25	ND
OU2MW-47I2	40-45	ND
OU2MW-48I	25-30	ND
OU2MW-48I2	45-50	ND
OU2MW-49I	25-30	ND
OU2MW-49I2	45-50	ND
OU2MW-52I	20-25	ND
OU2MW-52D	35-40	ND
OU2MW-53I	20-25	ND
OU2MW-53D	35-40	ND
OU2MW-54I	25-30	ND
OU2MW-54I2	40-45	ND
OU2MW-55I	30-35	**10**
OU2MW-56I	25-30	**6**
OU2MW-56I2	45-50	ND
OU2MW-57I	20-30	**71**
OU2MW-57I2	35-45	ND
OZMW-16I	20-30	ND
OZMW-16I2	35-45	**855**
OZMW-17I	20-30	ND
OZMW-17I2	35-45	ND
OZMW-18I	20-30	ND
OZMW-18I2	35-45	**1**
OZMW-19I	20-30	**914**
OZMW-19I2	35-45	**1111**
OZMW-21I	20-30	**446**
OZMW-21I2	35-45	**177**
OZMW-22IR	20-30	**214**
OZMW-23I	20-30	ND
OZMW-23I2	35-45	ND
OZMW-24I	20-30	ND
OZMW-24I2	35-45	**143**
OZMW-25I	20-30	**355**
OZMW-25I2	35-45	**306**
OZMW-26I	20-30	ND
OZMW-26I2	35-45	**100**
OU-3		
BBMW-28I	10-20	ND
BBMW-30I	14-19	ND
BBMW-30D	30-35	ND
BBMW-31I	14-19	ND
BBMW-31D	30-35	ND
BBMW-32I	14-19	ND
BBMW-32D	30-35	**2**

Q3 2010 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total BTEX (µg/L)
OU-3		
MW-34I	18.5-19.5	**222**
MW-34D	27.5-28.5	ND
MW-64	19-24	**2270**
MW-65	11-16	ND
MW-66D	24-29	ND
MWBS-02I	14.5-15.5	**83**
MWBS-02D	24.5-25.5	ND
OU3MW-02I	15-20	ND
OU3MW-03I	20-25	ND
OU3MW-04I	16-21	**208**
OU3MW-04D	26-31	ND
OU3MW-05I	15-20	ND
OU3MW-07I	15-20	ND
OU3MW-07I2	20-25	ND
OU-4		
WCMW-01I	35-45	ND
WCMW-02I	34.5-44.5	ND
WCMW-03I	19.4-24.4	ND
WCMW-03I2	28.55-33.55	ND
WCMW-04I	19-24	ND
WCMW-04I2	29.85-34.85	ND
WCMW-05I	19.61-24.61	ND
WCMW-05I2	29.46-34.46	ND
WCMW-06I	19.55-24.55	ND
WCMW-06I2	29.83-34.83	ND
WCMW-11I	25-35	ND
WCMW-12I	25-30	ND
WCMW-13I	25-30	ND
WCMW-14I	20-25	ND
WCMW-14I2	30-35	ND
WCMW-16I	20-25	ND
WCMW-16I2	30-35	ND
WCMW-17I2	30-35	ND
WCMW-18I	20-25	ND
WCMW-18I2	30-35	ND
WCMW-19I	20-25	ND
WCMW-19I2	30-35	ND
WCMW-20I	20-25	ND
WCMW-20I2	30-35	ND
WCMW-21I	20-25	ND
WCMW-21I2	30-35	ND
WCMW-24I	20-25	ND
WCMW-24I2	30-35	ND
WCMW-25I	30-35	ND
WCMW-26I	20-25	ND
WCMW-27I	20-25	ND
WCMW-28I	20-25	ND
WCMW-29I	20-25	ND

LEGEND:

- ⊕BBMW-33 — EXISTING MONITORING WELL CLUSTER LOCATION
- ISO-CONCENTRATION LINE (µg/L)
- µg/L — MICROGRAMS PER LITER
- BTEX — BENZENE, TOLUENE, ETHYLBENZENE AND XYLENE
- TOTAL BTEX ≧100 µg/L
- TOTAL BTEX ≧1,000 µg/L
- TOTAL BTEX ≧5,000 µg/L
- HISTORICAL REMEDIAL INVESTIGATION 2004 PLUME EXTENT BASED ON >100 µg/L TOTAL BTEX OR >100 µg/L TOTAL PAHs DETECTED IN GROUNDWATER
- INSTALLED OXYGEN INJECTION LINE
- PLANNED OXYGEN INJECTION LINE

NOTE:
WINDOWED SECTION OF THE SUBSURFACE CONTAINMENT BARRIER WALL CONSTRUCTED BETWEEN APPROXIMATELY 8 AND 38 FEET BELOW GROUND SURFACE (BGS).

BAY SHORE/BRIGHTWATERS
FORMER MGP SITE
BAY SHORE, NEW YORK

nationalgrid

Project 093180-5-1506

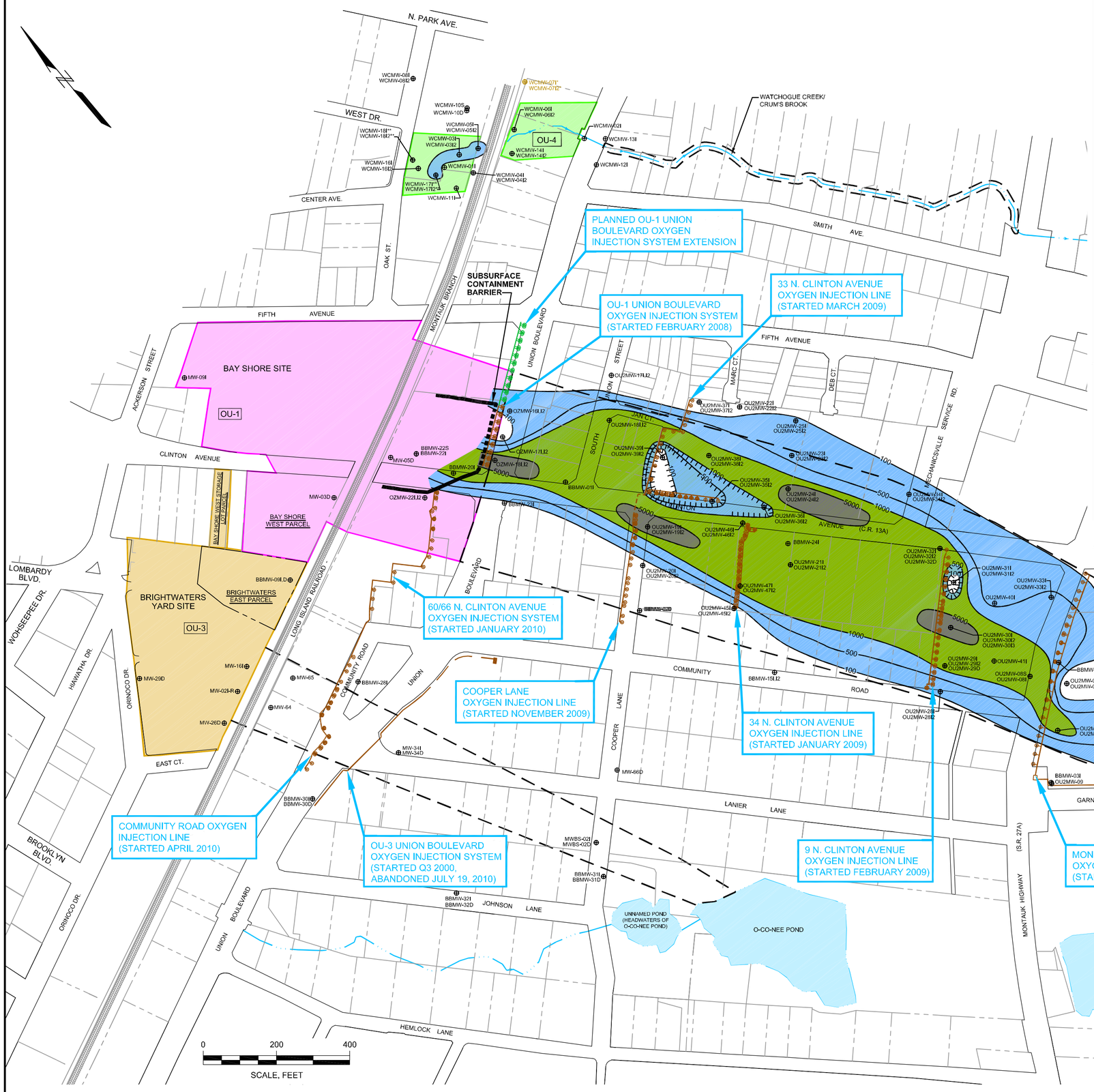
GEI Consultants
110 WALT WHITMAN ROAD
SUITE 204
HUNTINGTON STATION, NY 11746

INTERMEDIATE GROUNDWATER BTEX ISO-CONCENTRATION MAP (10-50 FEET BGS) Q1 2009/Q3 2010 DATA

December 2010 — Figure 18

I:\Project\National Grid\Bay Shore\Groundwater-Quarterly Monitoring\2010\ISO-Concentrations\ BAY SHORE-BTEX & PAH PLUMES Q3-2010.dwg \Dec 22, 2010

Q1 2009

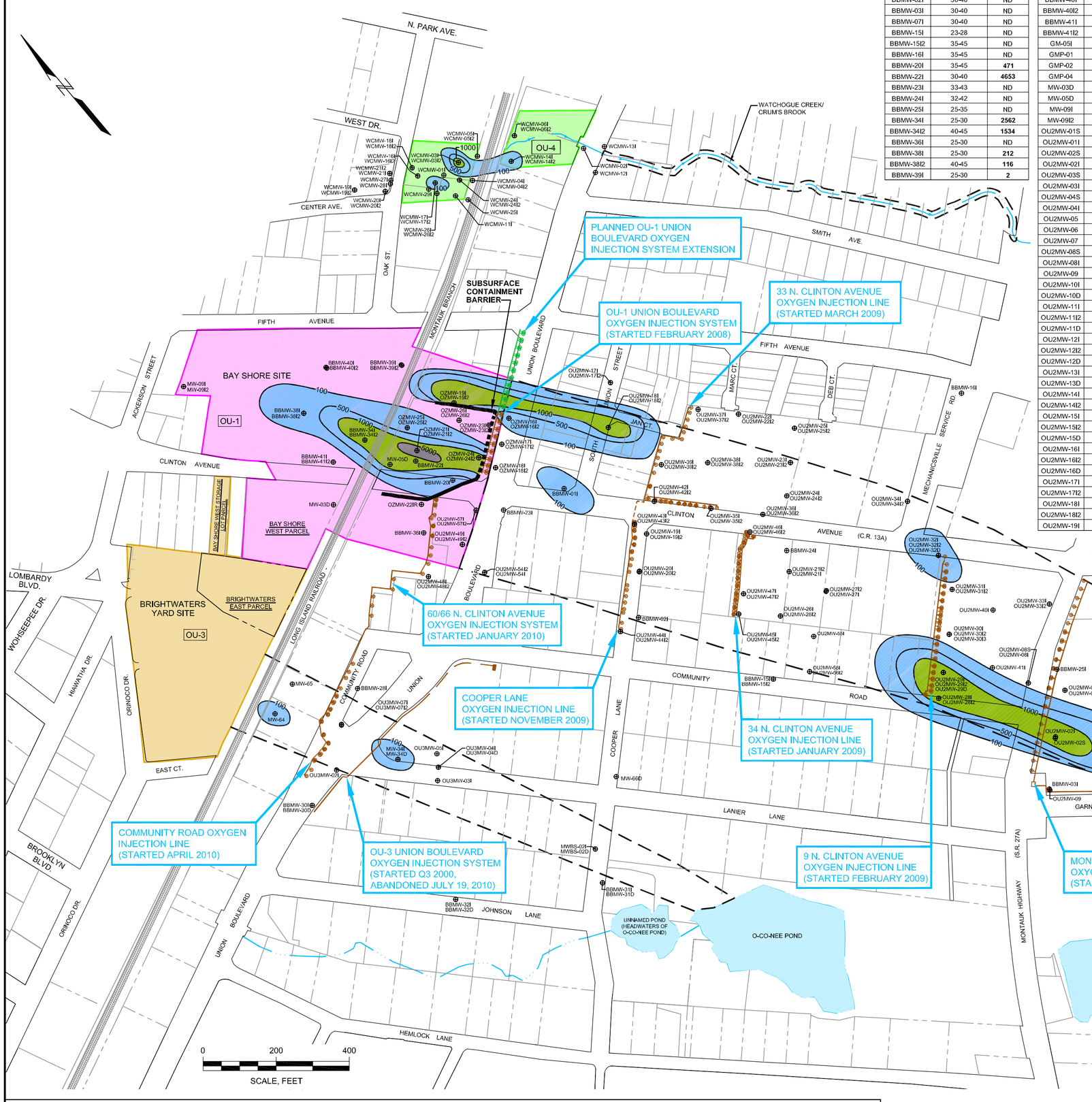


Q1 2009 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total PAHs (µg/L)
OU-1 and OU-2		
BBMW-01I	32-42	**3,303**
BBMW-02I	30-40	ND
BBMW-03I	30-40	ND
BBMW-07I	30-40	ND
BBMW-15I	23-28	**48**
BBMW-15I2	35-45	ND
BBMW-16I	35-45	ND
BBMW-20I	35-45	**1,150**
BBMW-22I	30-40	**4,949**
BBMW-23I	33-43	**12**
BBMW-24I	32-42	ND
BBMW-25I	25-35	**741**
GM-05I	35.05-48.05	ND
GMP-01	25-30	**719**
GMP-02	28-23	ND
GMP-04	15.5-20.5	ND
MW-03D	35-45	ND
MW-05D	35.5-45.5	**232**
MW-09I	30-40	ND
OU2MW-01I	35-40	ND
OU2MW-01S	20-25	ND
OU2MW-02I	35-40	**2,129**
OU2MW-02S	20-25	**33**
OU2MW-03I	35-40	**146**
OU2MW-03S	20-25	**80**
OU2MW-04I	35-40	**98**
OU2MW-04S	20-25	**641**
OU2MW-05	25-35	**353**
OU2MW-06	15-25	ND
OU2MW-07	15-25	ND
OU2MW-08I	35-40	**4,781**
OU2MW-08S	20-25	**4,426**
OU2MW-09	20-30	**11**
OU2MW-10D	35-40	ND
OU2MW-10I	20-25	**29**
OU2MW-11D	40-45	**9**
OU2MW-11I	20-25	**1,323**
OU2MW-11I2	30-35	**1,011**
OU2MW-12D	40-45	**2**
OU2MW-12I	20-25	**513**
OU2MW-12I2	30-35	**720**
OU2MW-13D	35-40	**21**
OU2MW-13I	20-25	**8**
OU2MW-14I	20-25	ND
OU2MW-14I2	45-50	ND
OU2MW-15D	40-45	ND
OU2MW-15I	20-25	ND
OU2MW-15I2	30-35	ND
OU2MW-16D	35-40	ND
OU2MW-16I	15-20	ND
OU2MW-16I2	25-30	ND
OU2MW-17I	13-23	ND
OU2MW-17I2	35-40	ND
OU2MW-18I	13-23	**4,932**
OU2MW-18I2	35-45	ND
OU2MW-19I	13-23	**175**
OU2MW-19I2	35-45	**7,147**

Q1 2009 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total PAHs (µg/L)
OU-1 and OU-2		
OU2MW-20I	13-23	**74**
OU2MW-20I2	35-45	ND
OU2MW-21I	13-23	**1,948**
OU2MW-21I2	35-45	**3,902**
OU2MW-22I	25-30	**32**
OU2MW-22I2	46-51	ND
OU2MW-23I	25-30	**178**
OU2MW-23I2	45-50	ND
OU2MW-24I	25-30	**5,796**
OU2MW-24I2	45-50	ND
OU2MW-25I	25-30	**121**
OU2MW-25I2	45-50	ND
OU2MW-26I	13-23	**277**
OU2MW-26I2	35-45	**2,576**
OU2MW-28I	28-33	**121**
OU2MW-28I2	40-45	**15**
OU2MW-29D	45-50	**314**
OU2MW-29I	18-23	**700**
OU2MW-29I2	30-35	**2,778**
OU2MW-29D	45-50	**314**
OU2MW-30I	25-30	**5,175**
OU2MW-30I2	30-35	**6,025**
OU2MW-30I3	45-50	**5,562**
OU2MW-31I	18-23	**79**
OU2MW-31I2	30-35	ND
OU2MW-32D	40-45	**189**
OU2MW-32I	20-25	**2,818**
OU2MW-32I2	30-35	**1,164**
OU2MW-33I	20-25	**565**
OU2MW-33I2	30-35	**104**
OU2MW-34I	25-30	**257**
OU2MW-34I2	45-50	**3**
OU2MW-35I	25-30	**250**
OU2MW-35I2	45-50	ND
OU2MW-36I	25-30	**573**
OU2MW-36I2	45-50	ND
OU2MW-37I	25-30	**38**
OU2MW-37I2	45-50	ND
OU2MW-38I	25-30	**2,202**
OU2MW-38I2	46-51	ND
OU2MW-39I	25-30	**4**
OU2MW-39I2	45-50	ND
OU2MW-40I	18-23	**167**
OU2MW-41I	18-23	**1,981**
OU2MW-45I	20-25	**8**
OU2MW-45I2	40-45	**7**
OU2MW-46I	20-25	**2,169**
OU2MW-46I2	40-45	**4**
OU2MW-47I	20-25	**1,043**
OU2MW-47I2	40-45	**3,627**
OZMW-16I	20-30	**153**
OZMW-16I2	35-40	**6**
OZMW-17I	20-30	ND
OZMW-17I2	35-45	ND
OZMW-18I	20-30	**9**
OZMW-18I2	35-45	**7,728**
OZMW-22I	20-30	**95**
OZMW-22I2	35-45	ND

Q1 2009 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total PAHs (µg/L)
OU-3		
BBMW-09I	20-30	ND
BBMW-28I	10-20	ND
BBMW-30D	30-35	ND
BBMW-30I	14-19	ND
BBMW-31D	30-35	ND
BBMW-31I	14-19	ND
BBMW-32D	30-35	ND
BBMW-32I	14-19	ND
MW-02IR	22.5-23.5	ND
MW-03D	35-45	ND
MW-09I	30-40	ND
MW-16I	14-19	ND
MW-26D	14-19	ND
MW-29D	14-19	ND
MW-34D	27.5-28.5	ND
MW-34I	18.5-19.5	ND
MW-64	19-24	ND
MW-65	11-16	ND
MW-66D	24-29	ND
MW-BS-02D	24.5-25.5	ND
MW-BS-02I	14.5-15.5	ND
OU-4		
WCMW-01I	35-45	ND
WCMW-02I	34.5 - 44.5	ND
WCMW-03I	19.4 - 24.4	**142**
WCMW-03I2	28.55 - 33.55	ND
WCMW-04I	19.4-24.4	**33**
WCMW-04I2	29.85 - 34.85	ND
WCMW-05I	19.61 - 24.61	**170**
WCMW-05I2	29.46 - 34.46	ND
WCMW-06I	19.55 - 24.55	ND
WCMW-06I2	29.83 - 34.83	ND
WCMW-10S	15-20	ND
WCMW-10D	40-50	ND
WCMW-12I	25-30	ND
WCMW-13I	25-30	ND
WCMW-14I	20-25	**2**
WCMW-14I2	30-35	**1**
WCMW-16I	20-25	ND
WCMW-16I2	30-35	ND

Q3 2010



Q3 2010 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total PAHs (µg/L)
OU-1 and OU-2		
BBMW-01I	32-42	**431**
BBMW-02I	30-40	ND
BBMW-03I	30-40	ND
BBMW-07I	30-40	ND
BBMW-15I	23-28	ND
BBMW-15I2	35-45	ND
BBMW-16I	35-45	ND
BBMW-20I	35-45	**471**
BBMW-22I	30-40	**4653**
BBMW-23I	33-43	ND
BBMW-24I	32-42	ND
BBMW-25I	25-35	ND
BBMW-34I	25-30	**2562**
BBMW-34I2	40-45	**1534**
BBMW-36I	25-30	ND
BBMW-38I	25-30	**212**
BBMW-38I2	40-45	**116**
BBMW-39I	25-30	**2**

Q3 2010 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total PAHs (µg/L)
OU-1 and OU-2		
BBMW-39I2	45-50	ND
BBMW-40I	25-30	**25**
BBMW-40I2	45-50	ND
BBMW-41I	25-30	ND
BBMW-41I2	45-50	ND
GM-05I	35.05-48.05	ND
GMP-01	25-30	**921**
GMP-02	18-23	ND
GMP-04	15.5-20.5	ND
MW-03D	35-45	ND
MW-05D	35.5-45.5	**1996**
MW-09I	30-40	ND
MW-09I2	45-50	ND
OU2MW-01S	20-25	ND
OU2MW-01I	35-40	ND
OU2MW-02S	20-25	ND
OU2MW-02I	35-40	**1232**
OU2MW-03S	20-25	**16**
OU2MW-03I	35-40	ND
OU2MW-04S	20-25	**152**
OU2MW-04I	35-40	ND
OU2MW-05	25-35	**335**
OU2MW-06	15-25	ND
OU2MW-07	15-25	ND
OU2MW-08S	20-25	**84**
OU2MW-08I	35-40	**60**
OU2MW-09	30-40	ND
OU2MW-10I	20-25	**149**
OU2MW-10D	35-40	**23**
OU2MW-11I	20-25	**125**
OU2MW-11I2	30-35	**1**
OU2MW-11D	40-45	**63**
OU2MW-12I	20-25	**11**
OU2MW-12I2	30-35	**58**
OU2MW-12D	40-45	**197**
OU2MW-13I	20-25	**41**
OU2MW-13D	35-40	**15**
OU2MW-14I	20-25	ND
OU2MW-14I2	45-50	ND
OU2MW-15I	20-25	**33**
OU2MW-15I2	30-35	ND
OU2MW-15D	40-45	ND
OU2MW-16I	15-20	ND
OU2MW-16I2	25-30	**26**
OU2MW-16D	35-40	ND
OU2MW-17I	13-23	ND
OU2MW-17I2	35-45	ND
OU2MW-18I	13-23	**1745**
OU2MW-18I2	35-45	**30**
OU2MW-19I	13-23	ND

Q3 2010 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total PAHs (µg/L)
OU-1 and OU-2		
OU2MW-19I2	35-45	**69**
OU2MW-20I2	35-45	ND
OU2MW-20I	65-70	**3**
OU2MW-21I	13-23	ND
OU2MW-21I2	35-45	**2**
OU2MW-22I	25-30	**22**
OU2MW-22I2	46-51	ND
OU2MW-23I	25-30	ND
OU2MW-23I2	45-50	ND
OU2MW-24I	25-30	ND
OU2MW-24I2	45-50	ND
OU2MW-25I	25-30	**6**
OU2MW-25I2	45-50	ND
OU2MW-26I	13-23	ND
OU2MW-26I2	35-45	ND
OU2MW-27I	25-30	ND
OU2MW-27I2	45-50	**2**
OU2MW-28I	28-33	ND
OU2MW-28I2	40-45	**4414**
OU2MW-29I	18-23	ND
OU2MW-29I2	30-35	**15**
OU2MW-29D	45-50	**2278**
OU2MW-30I	25-30	ND
OU2MW-30I2	30-35	**13**
OU2MW-30I3	45-50	**73**
OU2MW-31I	18-23	ND
OU2MW-31I2	30-35	ND
OU2MW-32I	20-25	**202**
OU2MW-32I2	30-35	**132**
OU2MW-32D	40-45	**2**
OU2MW-33I	25-30	**10**
OU2MW-33I2	35-40	ND
OU2MW-34I	25-30	**53**
OU2MW-34I2	45-50	ND
OU2MW-35I	25-30	ND
OU2MW-35I2	45-50	ND
OU2MW-36I	25-30	ND
OU2MW-36I2	45-50	ND
OU2MW-37I	25-30	**65**
OU2MW-37I2	45-50	ND
OU2MW-38I	25-30	ND
OU2MW-38I2	46-51	**26**
OU2MW-39I	25-30	ND
OU2MW-39I2	45-50	**89**
OU2MW-40I	18-23	ND
OU2MW-41I	18-23	**13**
OU2MW-42I	25-30	**7**
OU2MW-42I2	45-50	ND
OU2MW-43I	25-30	ND
OU2MW-43I2	45-50	ND

Q3 2010 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total PAHs (µg/L)
OU-1 and OU-2		
OU2MW-44I	25-30	ND
OU2MW-44I2	45-50	ND
OU2MW-45I	20-25	**1**
OU2MW-45I2	40-45	ND
OU2MW-46I	20-25	ND
OU2MW-46I2	40-45	ND
OU2MW-47I	20-25	ND
OU2MW-47I2	40-45	ND
OU2MW-48I	25-30	ND
OU2MW-48I2	45-50	ND
OU2MW-49I	25-30	ND
OU2MW-49I2	45-50	ND
OU2MW-52I	20-25	ND
OU2MW-52D	35-40	ND
OU2MW-53I	20-25	ND
OU2MW-53D	35-40	ND
OU2MW-54I	25-30	ND
OU2MW-54I2	40-45	ND
OU2MW-55I	30-35	ND
OU2MW-56I	25-30	ND
OU2MW-56I2	45-50	ND
OU2MW-57I	20-30	ND
OU2MW-57I2	35-45	ND
OZMW-16I	20-30	ND
OZMW-16I2	35-45	**171**
OZMW-17I	20-30	ND
OZMW-17I2	35-45	ND
OZMW-18I	20-30	ND
OZMW-18I2	35-45	**36**
OZMW-19I	20-30	**2982**
OZMW-19I2	35-45	**4346**
OZMW-21I	20-30	**5315**
OZMW-21I2	35-45	**5972**
OZMW-22IR	20-30	**4**
OZMW-23I	20-30	ND
OZMW-23I2	35-45	ND
OZMW-24I	20-30	ND
OZMW-24I2	35-45	**3128**
OZMW-25I	20-30	**292**
OZMW-25I2	35-45	**162**
OZMW-26I	20-30	ND
OZMW-26I2	35-45	ND
OU-3		
BBMW-28I	10-20	ND
BBMW-30I	14-19	ND
BBMW-30D	30-35	ND
BBMW-31I	14-19	**12**
BBMW-31D	30-35	ND
BBMW-32I	14-19	ND
BBMW-32D	30-35	ND

Q3 2010 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total PAHs (µg/L)
OU-3		
MW-34I	18.5-19.5	**247**
MW-34D	27.5-28.5	ND
MW-64	19-24	**284**
MW-65	11-16	ND
MW-66D	24-29	ND
MWBS-02I	14.5-15.5	ND
MWBS-02D	24.5-25.5	ND
OU3MW-02I	15-20	ND
OU3MW-03I	20-25	ND
OU3MW-04I	16-21	**44**
OU3MW-04D	26-31	ND
OU3MW-05I	15-20	ND
OU3MW-07I	15-20	ND
OU3MW-07I2	20-25	ND
OU-4		
WCMW-01I	35-45	ND
WCMW-02I	34.5-44.5	ND
WCMW-03I	19.4-24.4	**1213**
WCMW-03I2	28.55-33.55	ND
WCMW-04I	19-24	**97**
WCMW-04I2	29.85-34.85	ND
WCMW-05I	19.61-24.61	**43**
WCMW-05I2	29.46-34.46	**19**
WCMW-06I	19.55-24.55	ND
WCMW-06I2	29.83-34.83	ND
WCMW-11I	25-35	ND
WCMW-12I	25-30	ND
WCMW-13I	25-30	ND
WCMW-14I	20-25	**149**
WCMW-14I2	30-35	**95**
WCMW-16I	20-25	**14**
WCMW-16I2	30-35	**17**
WCMW-17I	20-25	**394**
WCMW-17I2	30-35	**31**
WCMW-18I	20-25	ND
WCMW-18I2	30-35	ND
WCMW-19I	20-25	ND
WCMW-19I2	30-35	ND
WCMW-20I	20-25	ND
WCMW-20I2	30-35	ND
WCMW-21I	20-25	ND
WCMW-21I2	30-35	ND
WCMW-24I	20-25	**32**
WCMW-24I2	30-35	ND
WCMW-25I	30-35	ND
WCMW-26I	20-25	**87**
WCMW-26I2	30-35	**11**
WCMW-27I	20-25	ND
WCMW-28I	20-25	ND
WCMW-29I	20-25	**43**

LEGEND:

- ⊕BBMW-33 — EXISTING MONITORING WELL CLUSTER LOCATION
- ABANDONED MONITORING WELL LOCATION
- ⊕ WCMW-07I* — MONITORING WELL CONDITION UNKNOWN
- ** — MONITORING WELL INITIALLY SAMPLED IN Q1 2009
- µg/L — MICROGRAMS PER LITER
- TOTAL PAH ≧100 µg/L
- TOTAL PAH ≧1,000 µg/L
- TOTAL PAH ≧5,000 µg/L
- PAH — POLYCYCLIC AROMATIC HYDROCARBONS
- OU-2 EXTENT FROM 2004 RI BASED ON >100 µg/L TOTAL BTEX OR >100 µg/L TOTAL PAHs DETECTED IN GROUNDWATER
- INSTALLED OXYGEN INJECTION LINE
- PLANNED OXYGEN INJECTION LINE
- ISO-CONCENTRATION LINE (µg/L)

NOTE:
WINDOWED SECTION OF THE SUBSURFACE CONTAINMENT BARRIER WALL CONSTRUCTED BETWEEN APPROXIMATELY 8 AND 38 FEET BELOW GROUND SURFACE (BGS).

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INTERMEDIATE GROUNDWATER PAH ISO-CONCENTRATION MAP (10-50 FEET BGS) Q1 2009/Q3 2010 DATA

December 2010 — Figure 19

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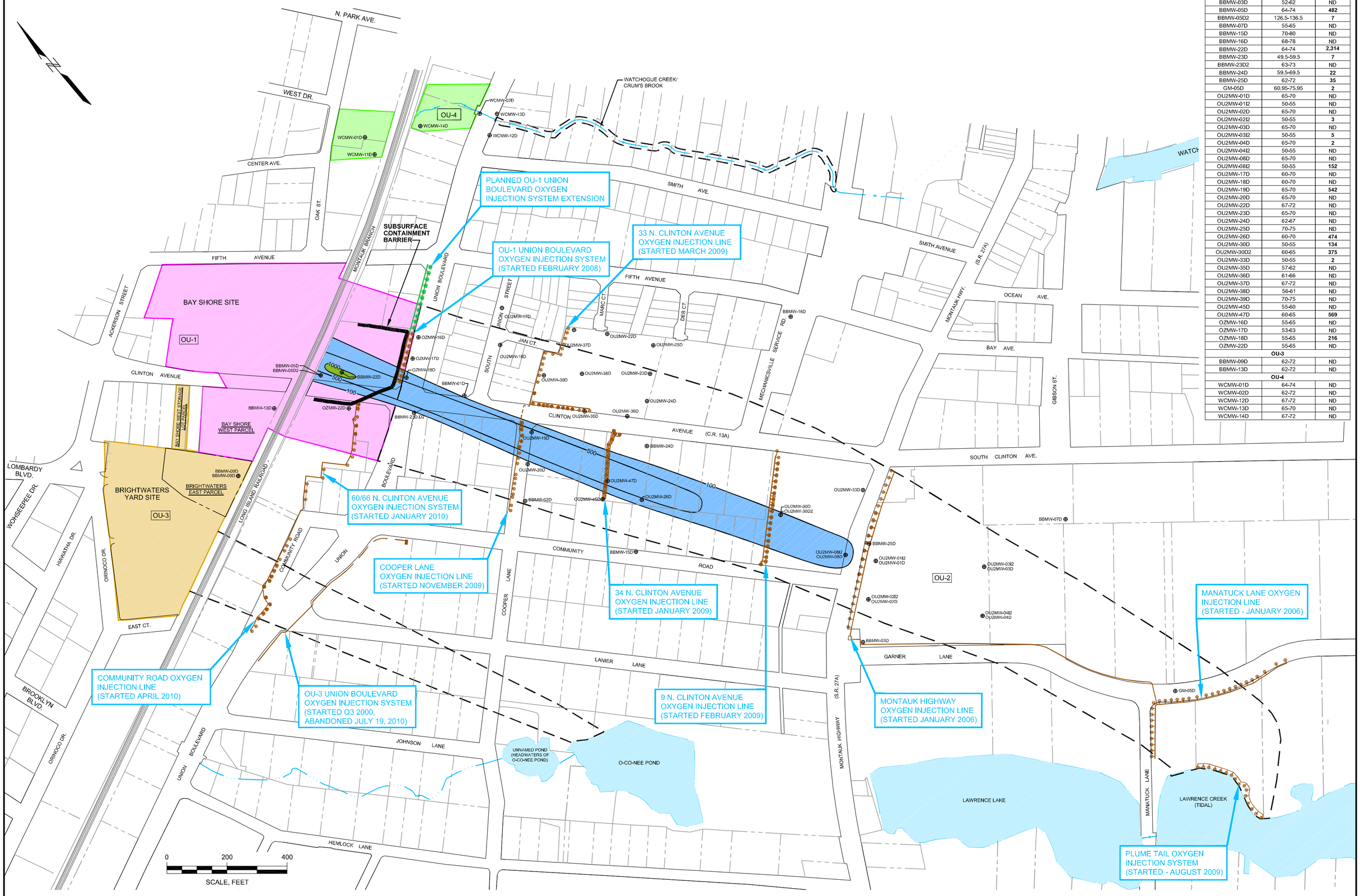
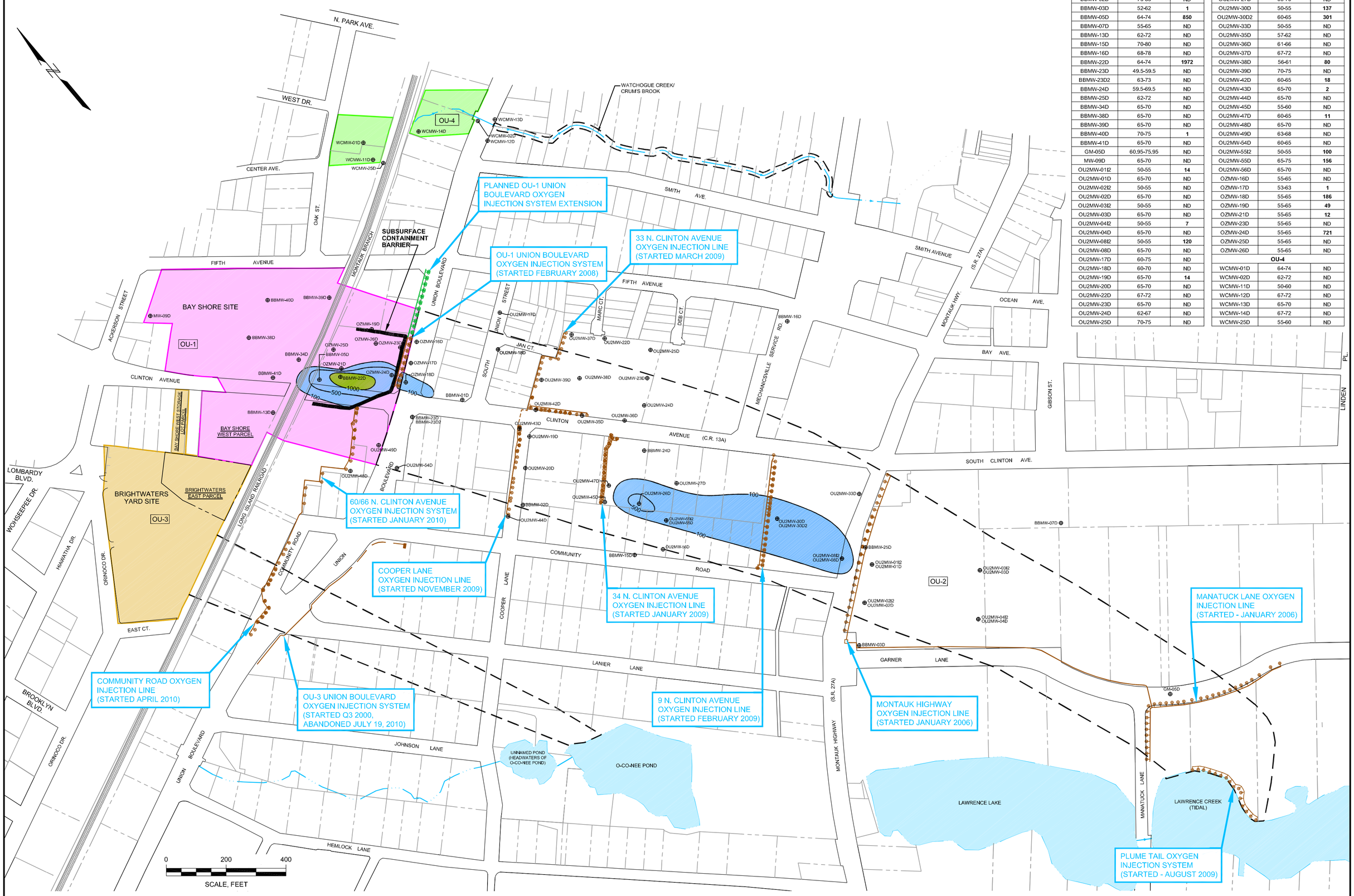
Q1 2009



Q1 2009 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total BTEX (µg/L)
OU-1 and OU-2		
BBMW-01D	68.5-78.5	**33**
BBMW-02D	73-83	ND
BBMW-03D	52-62	ND
BBMW-05D	64-74	**482**
BBMW-05D2	126.5-136.5	**7**
BBMW-07D	55-65	ND
BBMW-15D	70-80	ND
BBMW-16D	68-78	ND
BBMW-22D	64-74	**2,314**
BBMW-23D	49.5-59.5	**7**
BBMW-23D2	63-73	ND
BBMW-24D	59.5-69.5	**22**
BBMW-25D	62-72	**35**
GM-05D	60.95-75.95	**2**
OU2MW-01D	65-70	ND
OU2MW-01I2	50-55	ND
OU2MW-02D	65-70	ND
OU2MW-02I2	50-55	**3**
OU2MW-03D	65-70	ND
OU2MW-03I2	50-55	**5**
OU2MW-04D	65-70	**2**
OU2MW-04I2	50-55	ND
OU2MW-08D	65-70	ND
OU2MW-08I2	50-55	**152**
OU2MW-17D	60-70	ND
OU2MW-18D	60-70	ND
OU2MW-19D	65-70	**542**
OU2MW-20D	65-70	ND
OU2MW-22D	67-72	ND
OU2MW-23D	65-70	ND
OU2MW-24D	62-67	ND
OU2MW-25D	70-75	ND
OU2MW-26D	60-70	**474**
OU2MW-30D	50-55	**134**
OU2MW-30D2	60-65	**375**
OU2MW-33D	50-55	**2**
OU2MW-35D	57-62	ND
OU2MW-36D	61-66	ND
OU2MW-37D	67-72	ND
OU2MW-38D	56-61	ND
OU2MW-39D	70-75	ND
OU2MW-45D	55-60	ND
OU2MW-47D	60-65	**569**
OZMW-16D	55-65	ND
OZMW-17D	53-63	ND
OZMW-18D	55-65	**216**
OZMW-22D	55-65	ND
OU-3		
BBMW-09D	62-72	ND
BBMW-13D	62-72	ND
OU-4		
WCMW-01D	64-74	ND
WCMW-02D	62-72	ND
WCMW-12D	67-72	ND
WCMW-13D	65-70	ND
WCMW-14D	67-72	ND

Q3 2010



Q3 2010 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total BTEX (µg/L)
OU-1 and OU-2		
BBMW-01D	68.5-78.5	**72**
BBMW-02D	73-83	ND
BBMW-03D	52-62	**1**
BBMW-05D	64-74	**850**
BBMW-07D	55-65	ND
BBMW-13D	62-72	ND
BBMW-15D	70-80	ND
BBMW-16D	68-78	ND
BBMW-22D	64-74	**1972**
BBMW-23D	49.5-59.5	ND
BBMW-23D2	63-73	ND
BBMW-24D	59.5-69.5	ND
BBMW-25D	62-72	ND
BBMW-34D	65-70	ND
BBMW-38D	65-70	ND
BBMW-39D	65-70	ND
BBMW-40D	70-75	**1**
BBMW-41D	65-70	ND
GM-05D	60.95-75.95	ND
MW-09D	65-70	ND
OU2MW-01I2	50-55	**14**
OU2MW-01D	65-70	ND
OU2MW-02I2	50-55	ND
OU2MW-02D	65-70	ND
OU2MW-03I2	50-55	ND
OU2MW-03D	65-70	ND
OU2MW-04I2	50-55	**7**
OU2MW-04D	65-70	ND
OU2MW-08I2	50-55	**120**
OU2MW-08D	65-70	ND
OU2MW-17D	60-75	ND
OU2MW-18D	60-70	ND
OU2MW-19D	65-70	**14**
OU2MW-20D	65-70	ND
OU2MW-22D	67-72	ND
OU2MW-23D	65-70	ND
OU2MW-24D	62-67	ND
OU2MW-25D	70-75	ND

Q3 2010 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total BTEX (µg/L)
OU-1 and OU-2		
OU2MW-26D	60-70	**640**
OU2MW-27D	65-70	ND
OU2MW-30D	50-55	**137**
OU2MW-30D2	60-65	**301**
OU2MW-33D	50-55	ND
OU2MW-35D	57-62	ND
OU2MW-36D	61-66	ND
OU2MW-37D	67-72	ND
OU2MW-38D	56-61	**80**
OU2MW-39D	70-75	ND
OU2MW-42D	60-65	**18**
OU2MW-43D	65-70	**2**
OU2MW-44D	65-70	ND
OU2MW-45D	55-60	ND
OU2MW-47D	60-65	**11**
OU2MW-48D	65-70	ND
OU2MW-49D	63-68	ND
OU2MW-54D	60-65	ND
OU2MW-55I2	50-55	**100**
OU2MW-55D	65-75	**156**
OU2MW-56D	65-70	ND
OZMW-16D	55-65	ND
OZMW-17D	53-63	**1**
OZMW-18D	55-65	**186**
OZMW-19D	55-65	**49**
OZMW-21D	55-65	**12**
OZMW-23D	55-65	ND
OZMW-24D	55-65	**721**
OZMW-25D	55-65	ND
OZMW-26D	55-65	ND
OU-4		
WCMW-01D	64-74	ND
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
WCMW-25D	55-60	ND

LEGEND:

- ⊕BBMW-33 — EXISTING MONITORING WELL CLUSTER LOCATION
- ISO-CONCENTRATION LINE (µg/L)
- µg/L — MICROGRAMS PER LITER
- BTEX — BENZENE, TOLUENE, ETHYLBENZENE AND XYLENE
- TOTAL BTEX ≧100 µg/L
- TOTAL BTEX ≧1,000 µg/L
- TOTAL BTEX ≧5,000 µg/L
- HISTORICAL REMEDIAL INVESTIGATION 2004 PLUME EXTENT BASED ON >100 µg/L TOTAL BTEX OR >100 µg/L TOTAL PAHs DETECTED IN GROUNDWATER
- INSTALLED OXYGEN INJECTION LINE
- PLANNED OXYGEN INJECTION LINE

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DEEP GROUNDWATER BTEX ISO-CONCENTRATION MAP (BELOW 50 FEET BGS) Q1 2009/Q3 2010 DATA

December 2010 — Figure 20

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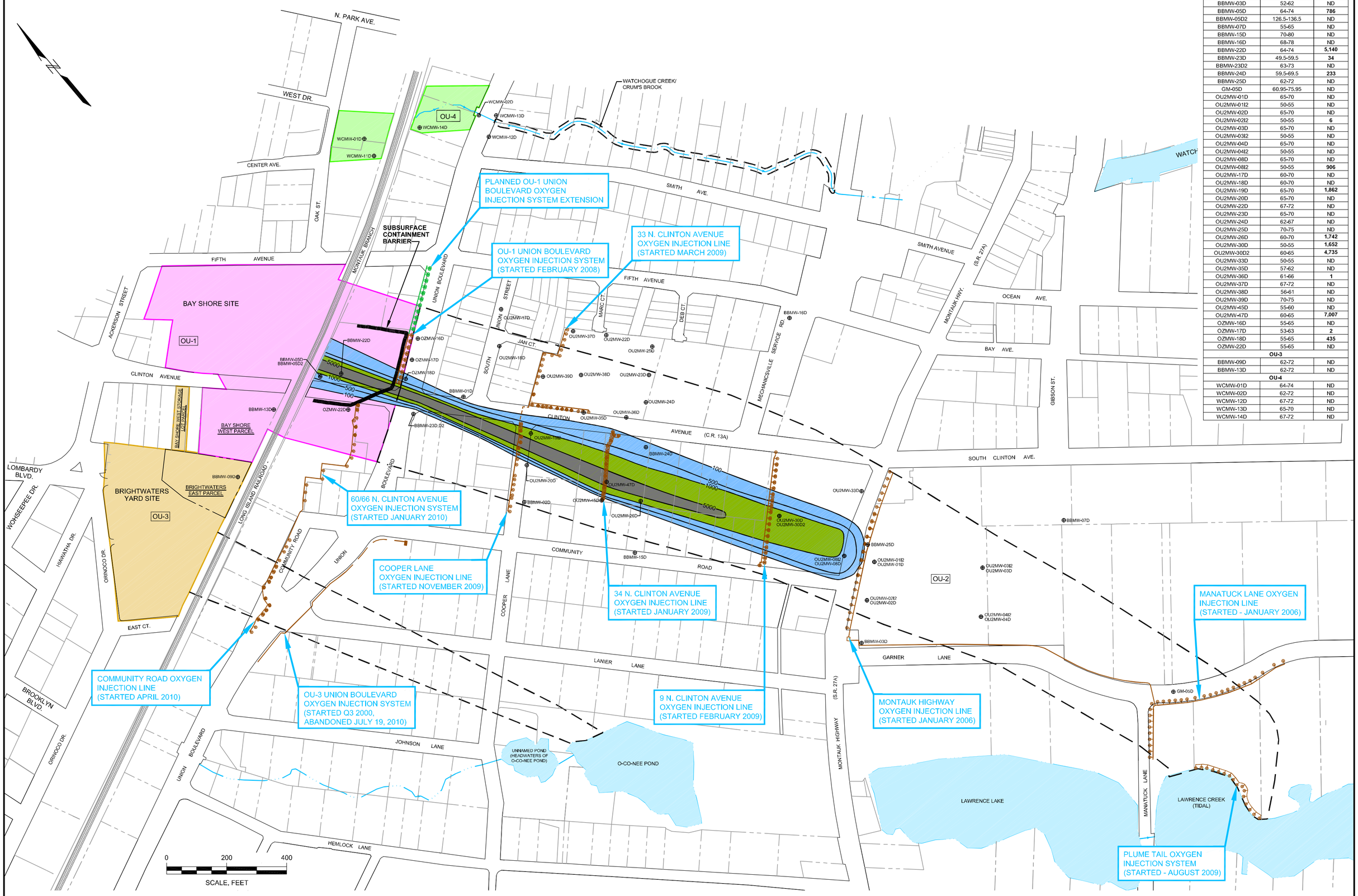
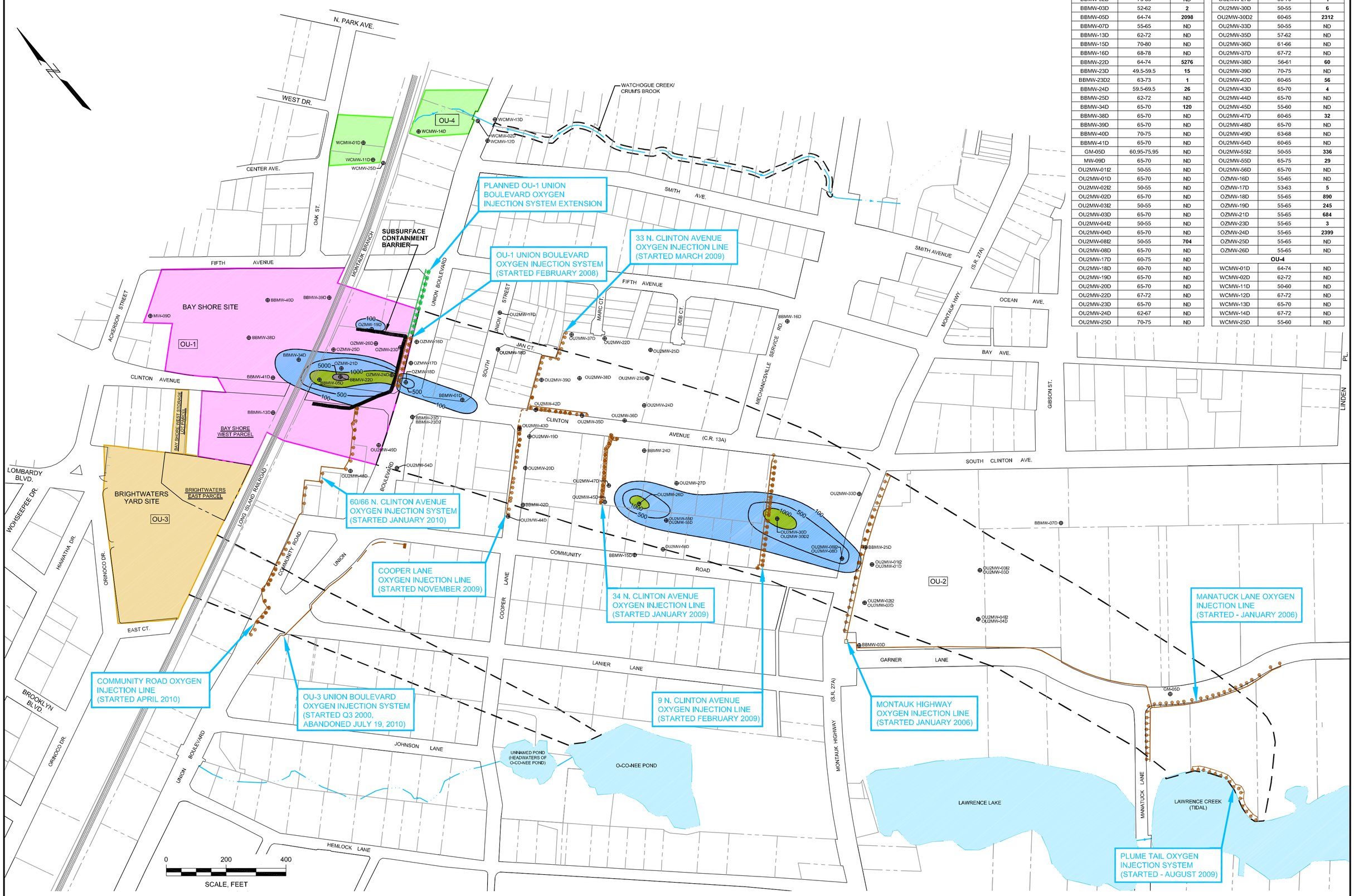
Q1 2009



Q1 2009 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total PAHs (µg/L)
OU-1 and OU-2		
BBMW-01D	68.5-78.5	**68**
BBMW-02D	73-83	ND
BBMW-03D	52-62	ND
BBMW-05D	64-74	**786**
BBMW-05D2	126.5-136.5	ND
BBMW-07D	55-65	ND
BBMW-15D	70-80	ND
BBMW-16D	68-78	ND
BBMW-22D	64-74	**5,140**
BBMW-23D	49.5-59.5	**34**
BBMW-23D2	63-73	ND
BBMW-24D	59.5-69.5	**233**
BBMW-25D	62-72	ND
GM-05D	60.95-75.95	ND
OU2MW-01D	65-70	ND
OU2MW-01I2	50-55	ND
OU2MW-02D	65-70	ND
OU2MW-02I2	50-55	**6**
OU2MW-03D	65-70	ND
OU2MW-03I2	50-55	ND
OU2MW-04D	65-70	ND
OU2MW-04I2	50-55	ND
OU2MW-08D	65-70	ND
OU2MW-08I2	50-55	**906**
OU2MW-17D	60-70	ND
OU2MW-18D	60-70	ND
OU2MW-19D	65-70	**1,862**
OU2MW-20D	65-70	ND
OU2MW-22D	67-72	ND
OU2MW-23D	65-70	ND
OU2MW-24D	62-67	ND
OU2MW-25D	70-75	ND
OU2MW-26D	60-70	**1,742**
OU2MW-30D	50-55	**1,652**
OU2MW-30D2	60-65	**4,735**
OU2MW-33D	50-55	ND
OU2MW-35D	57-62	ND
OU2MW-36D	61-66	**1**
OU2MW-37D	67-72	ND
OU2MW-38D	56-61	ND
OU2MW-39D	70-75	ND
OU2MW-45D	55-60	ND
OU2MW-47D	60-65	**7,007**
OZMW-16D	55-65	ND
OZMW-17D	53-63	**2**
OZMW-18D	55-65	**435**
OZMW-22D	55-65	ND
OU-3		
BBMW-09D	62-72	ND
BBMW-13D	62-72	ND
OU-4		
WCMW-01D	64-74	ND
WCMW-02D	62-72	ND
WCMW-12D	67-72	ND
WCMW-13D	65-70	ND
WCMW-14D	67-72	ND

Q3 2010



Q3 2010 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total PAHs (µg/L)
OU-1 and OU-2		
BBMW-01D	68.5-78.5	**135**
BBMW-02D	73-83	ND
BBMW-03D	52-62	**2**
BBMW-05D	64-74	**2098**
BBMW-07D	55-65	ND
BBMW-13D	62-72	ND
BBMW-15D	70-80	ND
BBMW-16D	68-78	ND
BBMW-22D	64-74	**5276**
BBMW-23D	49.5-59.5	**15**
BBMW-23D2	63-73	**1**
BBMW-24D	59.5-69.5	**26**
BBMW-25D	62-72	ND
BBMW-34D	65-70	**120**
BBMW-38D	65-70	ND
BBMW-39D	65-70	ND
BBMW-40D	70-75	ND
BBMW-41D	65-70	ND
GM-05D	60.95-75.95	ND
MW-09D	65-70	ND
OU2MW-01I2	50-55	ND
OU2MW-01D	65-70	ND
OU2MW-02I2	50-55	ND
OU2MW-02D	65-70	ND
OU2MW-03I2	50-55	ND
OU2MW-03D	65-70	ND
OU2MW-04I2	50-55	ND
OU2MW-04D	65-70	ND
OU2MW-08D	65-70	ND
OU2MW-08I2	50-55	**704**
OU2MW-17D	60-75	ND
OU2MW-18D	60-70	ND
OU2MW-19D	65-70	ND
OU2MW-20D	65-70	ND
OU2MW-22D	67-72	ND
OU2MW-23D	65-70	ND
OU2MW-24D	62-67	ND
OU2MW-25D	70-75	ND

Q3 2010 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total PAHs (µg/L)
OU-1 and OU-2		
OU2MW-26D	60-70	**3291**
OU2MW-27D	65-70	**1**
OU2MW-30D	50-55	**6**
OU2MW-30D2	60-65	**2312**
OU2MW-33D	50-55	ND
OU2MW-35D	57-62	ND
OU2MW-36D	61-66	ND
OU2MW-37D	67-72	ND
OU2MW-38D	56-61	**60**
OU2MW-39D	70-75	ND
OU2MW-42D	60-65	**56**
OU2MW-43D	65-70	**4**
OU2MW-44D	65-70	ND
OU2MW-45D	55-60	ND
OU2MW-47D	60-65	**32**
OU2MW-48D	65-70	ND
OU2MW-49D	63-68	ND
OU2MW-54D	60-65	ND
OU2MW-55I2	50-55	**336**
OU2MW-55D	65-75	**29**
OU2MW-56D	65-70	ND
OZMW-16D	55-65	ND
OZMW-17D	53-63	**5**
OZMW-18D	55-65	**890**
OZMW-19D	55-65	**245**
OZMW-21D	55-65	**684**
OZMW-23D	55-65	**3**
OZMW-24D	55-65	**2399**
OZMW-25D	55-65	ND
OZMW-26D	55-65	ND
OU-4		
WCMW-01D	64-74	ND
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
WCMW-25D	55-60	ND

LEGEND:

- ⊕BBMW-33 — EXISTING MONITORING WELL CLUSTER LOCATION
- ISO-CONCENTRATION LINE (µg/L)
- µg/L — MICROGRAMS PER LITER
- PAH — POLYCYCLIC AROMATIC HYDROCARBONS
- TOTAL PAH ≧100 µg/L
- TOTAL PAH ≧1,000 µg/L
- TOTAL PAH ≧5,000 µg/L
- HISTORICAL REMEDIAL INVESTIGATION 2004 PLUME EXTENT BASED ON >100 µg/L TOTAL BTEX OR >100 µg/L TOTAL PAHs DETECTED IN GROUNDWATER
- INSTALLED OXYGEN INJECTION LINE
- PLANNED OXYGEN INJECTION LINE

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

DEEP GROUNDWATER PAH ISO-CONCENTRATION MAP (BELOW 50 FEET BGS) Q1 2009/Q3 2010 DATA

December 2010 — Figure 21

I:\Project\National Grid\Bay Shore\Groundwater-Quarterly Monitoring\2010\ISO-Concentrations\ BAY SHORE-BTEX & PAH PLUMES Q3-2010.dwg \Dec 23, 2010

Appendices A, B, C, D, E, F, G, and H (compact disk only)

Appendix A: OU-1 Ozone Injection System OM&M Data

Appendix B: OU-1 Oxygen Injection System OM&M Data

Appendix C: OU-2 Oxygen Injection System OM&M Data

Appendix D: OU-3 Oxygen Injection System OM&M Data

Appendix E: Time Series Plots of Analytical Results for Groundwater Monitoring Wells

Appendix F: Distribution of pH Values in Groundwater

Appendix G: Summary of Sulfate Concentrations

Appendix H: Soil Vapor Analytical Results

Appendix A - Table 1A
SVE Effluent Analytical Data
Bay Shore/Brightwaters Former MGP Site
Operable Unit No. 1 (OU-1)
Bay Shore, New York

Sample Name:	NYSDOH Background Outdoor Air	OZ-PREGAC		OZ-PREGAC		OZ-PREGAC		OZ-PREGAC		OZ-PREGAC		OZ-PREGAC		OZ-PREGAC		OZ-MGAC		OZ-MGAC		OZ-MGAC	
Sample Date:	95th Percentile[1]	4/1/2010		4/15/2010		5/17/2010		6/22/2010		7/27/2010		8/30/2010		9/16/2010		4/1/2010		4/15/2010		5/17/2010	
	(ug/m3)	(ug/m3)	(ppmv)	(ug/m3)	(ppmv)	(ug/m3)	(ppmv)	(ug/m3)	(ppmv)	(ug/m3)	(ppmv)	(ug/m3)	(ppmv)	(ug/m3)	(ppmv)	(ug/m3)	(ppmv)	(ug/m3)	(ppmv)	(ug/m3)	(ppmv)
BTEX																					
Benzene	5.8	**0.45 J**	**0.000141 J**	**2.9**	**0.000908**	**0.61 J**	**0.000191 J**	**1.4**	**0.000438**	**0.36 J**	**0.000113 J**	**0.40 J**	**0.000125 J**	**1.2**	**0.000376**	1.3 U	0.000407 U	**1.6**	**0.000501**	0.64 U	0.0002 U
Toluene	21	**1.2 J**	**0.000318 J**	**31**	**0.008226**	**2.0**	**0.000531**	**1.9**	**0.000504**	**2.0**	**0.000531**	**3.5**	**0.000929**	**5.4**	**0.001433**	1.5 U	0.000398 U	**19**	**0.005042**	**0.38 J**	**0.000101 J**
Ethylbenzene	1.9	**0.52 J**	**0.00012 J**	**4.8**	**0.001105**	**0.43 J**	**0.000099 J**	**0.65 J**	**0.00015 J**	**0.54 J**	**0.000124 J**	**0.41 J**	**0.000094 J**	**1.2**	**0.000276**	1.7 U	0.000392 U	**3.4**	**0.000783**	0.87 U	0.0002 U
Xylene, m,p-	3.1	**1.7 J**	**0.000391 J**	**17**	**0.003915**	**1.5 J**	**0.000345 J**	**2.3 J**	**0.00053 J**	**1.8**	**0.000415**	**1.2 J**	**0.000276 J**	**4.2**	**0.000967**	3.5 U	0.000806 U	**12**	**0.002763**	**0.52 J**	**0.00012 J**
Xylene, o-	2.5	**1.3 J**	**0.000299 J**	**6.1**	**0.001405**	**0.91**	**0.00021**	**2.2**	**0.000507**	**4.1**	**0.000944**	**1.8**	**0.000415**	**2.1**	**0.000484**	1.7 U	0.000392 U	**4.3**	**0.00099**	**0.35 J**	**0.000081 J**
Total BTEX (ppmv)	NE	NA	**0.001269**	NA	**0.015559**	NA	**0.001376**	NA	**0.002129**	NA	**0.002127**	NA	**0.001839**	NA	**0.003536**	NA	ND	NA	**0.010079**	NA	**0.000302**
Other VOCs																					
Acetaldehyde	NE	**7.1 J**	**0.003941 J**	**9.6 J**	**0.005328 J**	**7.9 J**	**0.004385 J**	**37**	**0.020535**	**17 J**	**0.009435 J**	**24**	**0.01332**	**27**	**0.014985**	**27**	**0.014985**	**63**	**0.034966**	**71**	**0.039406**
Acetone	58	**4.5 J**	**0.001894 J**	**7.6 J**	**0.003199 J**	**6.9 J**	**0.002905 J**	**16 J**	**0.006736 J**	**13 J**	**0.005473 J**	**17**	**0.007157**	12 U	0.005052 U	**12 J**	**0.005052 J**	**40 J**	**0.016839 J**	**56**	**0.023574**
Acrolein (propenal)	NE	2.3 U	0.001002 U	1.2 U	0.000523 U	1.2 U	0.000523 U	2.3 U	0.001002 U	**0.86 J**	**0.000375 J**	**0.77 J**	**0.000336 J**	1.2 U	0.000523 U	**0.78 J**	**0.00034 J**	**2.3**	**0.001002**	**2.3**	**0.001002**
Allyl chloride	NE	1.2 U	0.000383 U	0.63 U	0.000201 U	0.63 U	0.000201 U	1.2 U	0.000383 U	0.63 U	0.000201 U	0.63 U	0.000201 U	0.63 U	0.000201 U	1.2 U	0.000383 U	0.63 U	0.000201 U	0.63 U	0.000201 U
Benzothiophene	NE	2.2 U	0.000401 U	1.1 U	0.0002 U	2.7 U	0.000492 U	2.2 U	0.000401 U	2.7 U	0.000492 U	2.7 U	0.000492 U	2.7 UJ	0.000492 UJ	2.2 U	0.000401 U	1.1 U	0.0002 U	2.7 U	0.000492 U
Bromodichloromethane	NE	2.7 U	0.000403 U	1.3 U	0.000194 U	1.3 U	0.000194 U	2.7 U	0.000403 U	1.3 U	0.000194 U	1.3 U	0.000194 U	1.3 U	0.000194 U	2.7 U	0.000403 U	1.3 U	0.000194 U	1.3 U	0.000194 U
Bromoform	NE	4.1 U	0.000397 U	2.1 U	0.000203 U	2.1 U	0.000203 U	4.1 U	0.000397 U	2.1 U	0.000203 U	2.1 U	0.000203 U	2.1 U	0.000203 U	4.1 U	0.000397 U	2.1 U	0.000203 U	2.1 U	0.000203 U
Bromomethane	0.9	1.6 U	0.000412 U	0.78 U	0.000201 U	0.78 U	0.000201 U	1.6 U	0.000412 U	0.78 U	0.000201 U	0.78 U	0.000201 U	0.78 U	0.000201 U	1.6 U	0.000412 U	0.78 U	0.000201 U	0.78 U	0.000201 U
Butadiene, 1,3-	NE	0.88 U	0.000398 U	0.44 U	0.000199 U	0.44 U	0.000199 U	0.88 U	0.000398 U	0.44 U	0.000199 U	0.44 U	0.000199 U	0.44 U	0.000199 U	0.88 U	0.000398 U	0.44 U	0.000199 U	0.44 U	0.000199 U
Butane	NE	**3.2**	**0.001344**	**1.7**	**0.000714**	**2.8**	**0.001176**	0.95 U	0.000399 U	**0.85**	**0.000357**	**1.0**	**0.00042**	**3.0**	**0.00126**	**2.0**	**0.00084**	**2.8**	**0.001176**	**0.78**	**0.000328**
Butanone, 2-	17	**3.2**	**0.001085**	**5.8**	**0.001967**	**4.6**	**0.00156**	**5.2**	**0.001763**	**8.5**	**0.002882**	**5.9**	**0.002001**	**2.2**	**0.000746**	**3.9**	**0.001322**	**13**	**0.004408**	**22**	**0.00746**
Carbon disulfide	NE	1.2 U	0.000385 U	**1.2**	**0.000385**	**0.59 J**	**0.000189 J**	**2.7**	**0.000867**	**2.3**	**0.000739**	**2.4**	**0.000771**	**0.84**	**0.00027**	1.2 U	0.000385 U	**0.47 J**	**0.000151 J**	**0.47 J**	**0.000151 J**
Carbon tetrachloride	1	2.5 U	0.000397 U	**0.44 J**	**0.00007 J**	**0.44 J**	**0.00007 J**	2.5 U	0.000397 U	**0.41 J**	**0.000065 J**	**0.52 J**	**0.000083 J**	**0.57 J**	**0.000091 J**	2.5 U	0.000397 U	1.3 U	0.000207 U	**0.38 J**	**0.00006 J**
Chlorobenzene	<0.25	1.8 U	0.000391 U	**2.1**	**0.000456**	0.92 U	0.0002 U	1.8 U	0.000391 U	0.92 U	0.0002 U	0.92 U	0.0002 U	0.92 U	0.0002 U	1.8 U	0.000391 U	**1.5**	**0.000326**	0.92 U	0.0002 U
Chloroethane	0.4	1.0 U	0.000379 U	0.53 U	0.000201 U	0.53 U	0.000201 U	1.0 U	0.000379 U	0.53 U	0.000201 U	0.53 U	0.000201 U	0.53 U	0.000201 U	1.0 U	0.000379 U	0.53 U	0.000201 U	0.53 U	0.000201 U
Chloroform	0.5	2.0 U	0.00041 U	0.98 U	0.000201 U	0.98 U	0.000201 U	2.0 U	0.00041 U	**0.62 J**	**0.000127 J**	**0.40 J**	**0.000082 J**	**0.34 J**	**0.00007 J**	2.0 U	0.00041 U	0.98 U	0.000201 U	0.98 U	0.000201 U
Chloromethane	4.6	**0.87**	**0.000421**	**0.78**	**0.000378**	**0.80**	**0.000387**	**0.96**	**0.000465**	**0.85**	**0.000412**	**1.2**	**0.000581**	0.41 U	0.000199 U	**0.99**	**0.000479**	**0.91**	**0.000441**	**0.85**	**0.000412**
Chlorotoluene, 2-	NE	2.1 U	0.000406 U	1.0 U	0.000193 U	1.0 U	0.000193 U	2.1 U	0.000406 U	1.0 U	0.000193 U	1.0 U	0.000193 U	1.0 U	0.000193 U	2.1 U	0.000406 U	1.0 U	0.000193 U	1.0 U	0.000193 U
Cryofluorane	1.3	2.8 U	0.000401 U	1.4 U	0.0002 U	1.4 U	0.0002 U	2.8 U	0.000401 U	1.4 U	0.0002 U	1.4 U	0.0002 U	1.4 U	0.0002 U	2.8 U	0.000401 U	1.4 U	0.0002 U	1.4 U	0.0002 U
Cyclohexane	3	1.4 U	0.000407 U	**1.2 J**	**0.000349 J**	0.69 U	0.0002 U	1.4 U	0.000407 U	**0.19 J**	**0.000055 J**	0.69 U	0.0002 U	**0.28 J**	**0.000081 J**	1.4 U	0.000407 U	**1.0 J**	**0.000291 J**	**0.96**	**0.000279**
Decane, n-	3.6	2.3 U	0.000395 U	**1.6**	**0.000275**	**0.58 J**	**0.0001 J**	**15**	**0.002577**	**1.7**	**0.000292**	1.2 U	0.000206 U	**2.0**	**0.000344**	2.3 U	0.000395 U	**1.4**	**0.000241**	**0.52 J**	**0.000089 J**
Dibromochloromethane	NE	3.4 U	0.000399 U	1.7 U	0.0002 U	1.7 U	0.0002 U	3.4 U	0.000399 U	1.7 U	0.0002 U	1.7 U	0.0002 U	1.7 U	0.0002 U	3.4 U	0.000399 U	1.7 U	0.0002 U	1.7 U	0.0002 U
Dibromoethane, 1,2-	<0.25	3.1 U	0.000403 U	1.5 U	0.000195 U	1.5 U	0.000195 U	3.1 U	0.000403 U	1.5 U	0.000195 U	1.5 U	0.000195 U	1.5 U	0.000195 U	3.1 U	0.000403 U	1.5 U	0.000195 U	1.5 U	0.000195 U
Dichlorobenzene, 1,2-	0.9	2.4 U	0.000399 U	1.2 U	0.0002 U	1.2 U	0.0002 U	2.4 U	0.000399 U	1.2 U	0.0002 U	1.2 U	0.0002 U	1.2 U	0.0002 U	2.4 U	0.000399 U	1.2 U	0.0002 U	1.2 U	0.0002 U
Dichlorobenzene, 1,3-	0.7	2.4 U	0.000399 U	1.2 U	0.0002 U	1.2 U	0.0002 U	**1.7 J**	**0.000283 J**	1.2 U	0.0002 U	1.2 U	0.0002 U	1.2 U	0.0002 U	2.4 U	0.000399 U	1.2 U	0.0002 U	1.2 U	0.0002 U
Dichlorobenzene, 1,4-	0.8	2.4 U	0.000399 U	1.2 U	0.0002 U	1.2 U	0.0002 U	2.4 U	0.000399 U	1.2 U	0.0002 U	1.2 U	0.0002 U	1.2 U	0.0002 U	2.4 U	0.000399 U	1.2 U	0.0002 U	1.2 U	0.0002 U
Dichlorodifluoromethane	11	**2.8**	**0.000566**	**2.5**	**0.000506**	**2.5**	**0.000506**	**2.3**	**0.000465**	**2.3**	**0.000465**	**2.5**	**0.000506**	**2.4**	**0.000485**	**2.5**	**0.000506**	**2.5**	**0.000506**	**2.5**	**0.000506**
Dichloroethane, 1,1-	<0.25	1.6 U	0.000395 U	0.81 U	0.0002 U	0.81 U	0.0002 U	1.6 U	0.000395 U	0.81 U	0.0002 U	0.81 U	0.0002 U	0.81 U	0.0002 U	1.6 U	0.000395 U	0.81 U	0.0002 U	0.81 U	0.0002 U
Dichloroethane, 1,2-	<0.25	1.6 U	0.000395 U	0.81 U	0.0002 U	0.81 U	0.0002 U	1.6 U	0.000395 U	0.81 U	0.0002 U	0.81 U	0.0002 U	0.81 U	0.0002 U	1.6 U	0.000395 U	0.81 U	0.0002 U	0.81 U	0.0002 U
Dichloroethene, 1,1-	<0.25	1.6 U	0.000404 U	0.79 U	0.000199 U	0.79 U	0.000199 U	1.6 U	0.000404 U	0.79 U	0.000199 U	0.79 U	0.000199 U	0.79 U	0.000199 U	1.6 U	0.000404 U	0.79 U	0.000199 U	0.79 U	0.000199 U
Dichloroethene, cis-1,2-	<0.25	1.6 U	0.000404 U	0.79 U	0.000199 U	0.79 U	0.000199 U	1.6 U	0.000404 U	0.79 U	0.000199 U	0.79 U	0.000199 U	0.79 U	0.000199 U	1.6 U	0.000404 U	0.79 U	0.000199 U	0.79 U	0.000199 U
Dichloropropane, 1,2-	<0.25	1.8 U	0.00039 U	0.92 U	0.000199 U	0.92 U	0.000199 U	1.8 U	0.00039 U	0.92 U	0.000199 U	0.92 U	0.000199 U	0.92 U	0.000199 U	1.8 U	0.00039 U	0.92 U	0.000199 U	0.92 U	0.000199 U
Dichloropropene, cis-1,3	<0.25	1.8 U	0.000397 U	0.91 U	0.0002 U	0.91 U	0.0002 U	1.8 U	0.000397 U	0.91 U	0.0002 U	0.91 U	0.0002 U	0.91 U	0.0002 U	1.8 U	0.000397 U	0.91 U	0.0002 U	0.91 U	0.0002 U
Dichloropropene, trans-1,3	<0.25	1.8 U	0.000397 U	0.91 U	0.0002 U	0.91 U	0.0002 U	1.8 U	0.000397 U	0.91 U	0.0002 U	0.91 U	0.0002 U	0.91 U	0.0002 U	1.8 U	0.000397 U	0.91 U	0.0002 U	0.91 U	0.0002 U
Dioxane, 1,4-	NE	1.4 U	0.000389 U	0.72 U	0.0002 U	0.72 U	0.0002 U	1.4 U	0.000389 U	0.72 U	0.0002 U	0.72 U	0.0002 U	0.72 U	0.0002 U	1.4 U	0.000389 U	0.72 U	0.0002 U	0.72 U	0.0002 U
Dodecane, n-	7.6	2.8 U	0.000402 U	**2.3 J**	**0.00033 J**	**1.3 J**	**0.000187 J**	**9.3**	**0.001335**	**4.1 J**	**0.000588 J**	**1.2 J**	**0.000172 J**	**2.8**	**0.000402**	2.8 U	0.000402 U	**3.4 J**	**0.000488 J**	**1.5 J**	**0.000215 J**
Ethanol	220	**4.9**	**0.002601**	**26**	**0.013799**	**8.0**	**0.004246**	**22**	**0.011676**	**4.5**	**0.002388**	**11**	**0.005838**	**14**	**0.00743**	**4.0**	**0.002123**	**22**	**0.011676**	**6.8**	**0.003609**

Appendix A - Table 1A
SVE Effluent Analytical Data
Bay Shore/Brightwaters Former MGP Site
Operable Unit No. 1 (OU-1)
Bay Shore, New York

Sample Name: / **Sample Date:**	NYSDOH Background Outdoor Air 95th Percentile[1]	OZ-PREGAC 4/1/2010		OZ-PREGAC 4/15/2010		OZ-PREGAC 5/17/2010		OZ-PREGAC 6/22/2010		OZ-PREGAC 7/27/2010		OZ-PREGAC 8/30/2010		OZ-PREGAC 9/16/2010		OZ-MGAC 4/1/2010		OZ-MGAC 4/15/2010		OZ-MGAC 5/17/2010	
	(ug/m3)	(ug/m3)	(ppmv)	(ug/m3)	(ppmv)	(ug/m3)	(ppmv)	(ug/m3)	(ppmv)	(ug/m3)	(ppmv)	(ug/m3)	(ppmv)	(ug/m3)	(ppmv)	(ug/m3)	(ppmv)	(ug/m3)	(ppmv)	(ug/m3)	(ppmv)
Ethylthiophene, 2-	NE	1.8 U	0.000392 U	0.92 U	0.000201 U	0.92 U	0.000201 U	1.8 U	0.000392 U	0.92 U	0.000201 U	0.92 U	0.000201 U	0.92 U	0.000201 U	1.8 U	0.000392 U	0.92 U	0.000201 U	0.92 U	0.000201 U
Ethyltoluene, p-	NE	2.0 U	0.000407 U	**0.88 J**	**0.000179 J**	0.98 U	0.000199 U	2.0 U	0.000407 U	**0.49 J**	**0.0001 J**	0.98 U	0.000199 U	**0.49 J**	**0.0001 J**	2.0 U	0.000407 U	**0.79 J**	**0.000161 J**	0.98 U	0.000199 U
Heptane, n-	5.1	1.6 U	0.00039 U	**3.0**	**0.000732**	**0.29 J**	**0.000071 J**	1.6 U	0.00039 U	0.82 U	0.0002 U	**0.70 J**	**0.000171 J**	**1.4**	**0.000342**	**1.3 J**	**0.000317 J**	**5.5**	**0.001342**	**8.0**	**0.001952**
Hexachlorobutadiene	7	4.3 U	0.000403 U	2.1 U	0.000197 U	2.1 U	0.000197 U	4.3 U	0.000403 U	2.1 U	0.000197 U	2.1 U	0.000197 U	2.1 U	0.000197 U	4.3 U	0.000403 U	2.1 U	0.000197 U	2.1 U	0.000197 U
Hexane, n-	3.6	**0.42 J**	**0.000119 J**	**2.6 J**	**0.000738 J**	**0.70**	**0.000199**	1.4 U	0.000397 U	**0.46 J**	**0.000131 J**	**0.75**	**0.000213**	**2.2**	**0.000624**	**0.63 J**	**0.000179 J**	**3.9 J**	**0.001107 J**	**5.9**	**0.001674**
Hexanone, 2-	NE	1.6 U	0.000391 U	0.82 U	0.0002 U	0.82 U	0.0002 U	1.6 U	0.000391 U	0.82 U	0.0002 U	0.82 U	0.0002 U	0.82 U	0.0002 U	1.6 U	0.000391 U	**2.0**	**0.000488**	**3.4**	**0.00083**
Indan	NE	1.9 U	0.000393 U	**0.48 J**	**0.000099 J**	0.97 U	0.000201 U	**0.56 J**	**0.000116 J**	0.97 U	0.000201 U	0.97 U	0.000201 U	**0.43 J**	**0.000089 J**	1.9 U	0.000393 U	**0.34 J**	**0.00007 J**	0.97 U	0.000201 U
Indene	NE	1.9 U	0.0004 U	**1.6**	**0.000337**	0.95 UJ	0.0002 UJ	**2.7**	**0.000568**	0.95 U	0.0002 U	0.95 U	0.0002 U	0.95 U	0.0002 U	1.9 U	0.0004 U	**1.0**	**0.00021**	0.95 UJ	0.0002 UJ
Methyl tert-butyl ether	5.9	1.4 U	0.000388 U	0.72 U	0.0002 U	0.72 U	0.0002 U	1.4 U	0.000388 U	0.72 U	0.0002 U	0.72 U	0.0002 U	0.72 U	0.0002 U	1.4 U	0.000388 U	0.72 U	0.0002 U	0.72 U	0.0002 U
Methyl-2-pentanone, 4-	2.9	1.6 U	0.000391 U	0.82 UJ	0.0002 UJ	0.82 U	0.0002 U	**3.9**	**0.000952**	0.82 U	0.0002 U	**0.41 J**	**0.0001 J**	0.82 U	0.0002 U	1.6 U	0.000391 U	**0.78 J**	**0.00019 J**	**0.82**	**0.0002**
Methylene chloride	2.9	**1.4 J**	**0.000403 J**	**0.87 J**	**0.00025 J**	1.7 U	0.000489 U	**2.0 J**	**0.000576 J**	3.6 U	0.001036 U	**13**	**0.003742**	3.8 U	0.001094 U	**1.3 J**	**0.000374 J**	**0.94 J**	**0.000271 J**	1.7 U	0.000489 U
Methylnaphthalene, 1-	NE	5.8 U	0.000997 U	2.9 U	0.000499 U	2.9 UJ	0.000499 UJ	5.8 U	0.000997 U	5.8 U	0.000997 U	2.9 U	0.000499 U	2.9 U	0.000499 U	5.8 U	0.000997 U	2.9 U	0.000499 U	2.9 UJ	0.000499 UJ
Methylnaphthalene, 2-	NE	5.8 U	0.000997 U	2.9 UJ	0.000499 UJ	2.9 U	0.000499 U	5.8 U	0.000997 U	5.8 U	0.000997 U	2.9 U	0.000499 U	2.9 U	0.000499 U	5.8 U	0.000997 U	2.9 UJ	0.000499 UJ	2.9 U	0.000499 U
Other VOCs cont.																					
Methylthiophene, 2-	NE	1.6 U	0.000398 U	0.80 U	0.000199 U	0.80 U	0.000199 U	1.6 U	0.000398 U	0.80 U	0.000199 U	0.80 U	0.000199 U	0.80 U	0.000199 U	1.6 U	0.000398 U	0.80 U	0.000199 U	0.80 U	0.000199 U
Methylthiophene, 3-	NE	1.6 U	0.000399 U	0.80 U	0.000199 U	0.80 U	0.000199 U	1.6 U	0.000399 U	0.80 U	0.000199 U	0.80 U	0.000199 U	0.80 U	0.000199 U	1.6 U	0.000399 U	0.80 U	0.000199 U	0.80 U	0.000199 U
Naphthalene	10	2.1 U	0.000401 U	**1.3 J**	**0.000248 J**	**0.31 J**	**0.000059 J**	**4.3 J**	**0.00082 J**	**0.41 J**	**0.000078 J**	**0.29 J**	**0.000055 J**	**0.31 J**	**0.000059 J**	2.1 U	0.000401 U	**1.0 J**	**0.000191 J**	**0.68 J**	**0.00013 J**
Nonane	1.2	2.1 U	0.0004 U	**1.1**	**0.00021**	**0.37 J**	**0.000071 J**	2.1 U	0.0004 U	1.0 U	0.000191 U	**0.39 J**	**0.000074 J**	**1.3**	**0.000248**	2.1 U	0.0004 U	**1.2**	**0.000229**	**0.63 J**	**0.00012 J**
Octane, n-	2.1	1.9 U	0.000407 U	**2.8**	**0.000599**	**0.23 J**	**0.000049 J**	**3.8**	**0.000813**	**0.24 J**	**0.000051 J**	**0.33 J**	**0.000071 J**	**0.89 J**	**0.00019 J**	1.9 U	0.000407 U	**2.9**	**0.000621**	**1.2**	**0.000257**
Pentane	NE	**2.4**	**0.000813**	**4.5**	**0.001525**	**2.6**	**0.000881**	**2.8**	**0.000949**	**3.3**	**0.001118**	**3.4**	**0.001152**	**3.5**	**0.001186**	**5.0**	**0.001694**	**10**	**0.003389**	**12**	**0.004067**
Propanol, 2-	NE	2.5 U	0.001017 U	**0.74 J**	**0.000301 J**	**1.0 J**	**0.000407 J**	2.5 U	0.001017 U	**1.3**	**0.000529**	**1.1 J**	**0.000448 J**	**1.3**	**0.000529**	**3.9**	**0.001587**	1.2 U	0.000488 U	1.2 U	0.000488 U
Styrene	0.6	1.7 U	0.000399 U	**0.51 J**	**0.00012 J**	**0.26 J**	**0.000061 J**	**0.77 J**	**0.000181 J**	0.85 U	0.0002 U	0.85 U	0.0002 U	0.85 U	0.0002 U	1.7 U	0.000399 U	**0.43 J**	**0.000101 J**	0.85 U	0.0002 U
t-Butyl alcohol	NE	1.2 U	0.000396 U	**0.33 J**	**0.000109 J**	0.61 U	0.000201 U	**2.7**	**0.000891**	0.61 U	0.000201 U	**0.41 J**	**0.000135 J**	0.61 U	0.000201 U	1.2 U	0.000396 U	**14**	**0.004619**	**8.4**	**0.002771**
Tetrachloroethane,1,1,2,2-	<0.25	2.7 U	0.000393 U	1.4 U	0.000204 U	1.4 U	0.000204 U	2.7 U	0.000393 U	1.4 U	0.000204 U	1.4 U	0.000204 U	1.4 U	0.000204 U	2.7 U	0.000393 U	1.4 U	0.000204 U	1.4 U	0.000204 U
Tetrachloroethene	1.6	**0.81 J**	**0.000119 J**	**1.0 J**	**0.000147 J**	**1.0 J**	**0.000147 J**	**1.1 J**	**0.000162 J**	**1.8**	**0.000265**	**1.0 J**	**0.000147 J**	**1.3 J**	**0.000192 J**	2.7 U	0.000398 U	**0.34 J**	**0.00005 J**	**0.41 J**	**0.00006 J**
Tetramethylbenzene, 1,2,4,5-	NE	2.2 U	0.000401 U	**0.38 J**	**0.000069 J**	**0.38 J**	**0.000069 J**	2.2 U	0.000401 U	**1.3 J**	**0.000237 J**	1.1 U	0.0002 U	1.1 U	0.0002 U	2.2 U	0.000401 U	1.1 U	0.0002 U	**0.38 J**	**0.000069 J**
Thiophene	NE	1.4 U	0.000407 U	0.69 U	0.000201 U	0.69 U	0.000201 U	1.4 U	0.000407 U	0.69 U	0.000201 U	0.69 U	0.000201 U	0.69 U	0.000201 U	1.4 U	0.000407 U	0.69 U	0.000201 U	0.69 U	0.000201 U
Trans-1,2-dichloroethene	NE	1.6 U	0.000404 U	0.79 U	0.000199 U	0.79 U	0.000199 U	1.6 U	0.000404 U	0.79 U	0.000199 U	0.79 U	0.000199 U	0.79 U	0.000199 U	1.6 U	0.000404 U	0.79 U	0.000199 U	0.79 U	0.000199 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	3.1 U	0.000405 U	**0.61 J**	**0.00008 J**	**0.54 J**	**0.00007 J**	3.1 U	0.000405 U	**0.56 J**	**0.000073 J**	**0.50 J**	**0.000065 J**	**0.54 J**	**0.00007 J**	**0.92 J**	**0.00012 J**	**1.1 J**	**0.000144 J**	**0.84 J**	**0.00011 J**
Trichlorobenzene, 1,2,4-	4.8	3.0 U	0.000404 U	1.5 U	0.000202 U	1.5 U	0.000202 U	3.0 U	0.000404 U	1.5 U	0.000202 U	1.5 U	0.000202 U	1.5 U	0.000202 U	3.0 U	0.000404 U	1.5 U	0.000202 U	1.5 U	0.000202 U
Trichloroethane, 1,1,1-	0.7	2.2 U	0.000403 U	1.1 U	0.000202 U	1.1 U	0.000202 U	2.2 U	0.000403 U	1.1 U	0.000202 U	1.1 U	0.000202 U	1.1 U	0.000202 U	2.2 U	0.000403 U	1.1 U	0.000202 U	**0.33 J**	**0.00006 J**
Trichloroethane, 1,1,2-	<0.25	2.2 U	0.000403 U	1.1 U	0.000202 U	1.1 U	0.000202 U	2.2 U	0.000403 U	1.1 U	0.000202 U	1.1 U	0.000202 U	1.1 U	0.000202 U	2.2 U	0.000403 U	1.1 U	0.000202 U	1.1 U	0.000202 U
Trichloroethene	0.5	2.2 U	0.000409 U	1.1 U	0.000205 U	1.1 U	0.000205 U	2.2 U	0.000409 U	1.1 U	0.000205 U	1.1 U	0.000205 U	1.1 U	0.000205 U	2.2 U	0.000409 U	1.1 U	0.000205 U	1.1 U	0.000205 U
Trichlorofluoromethane	6.1	**1.1 J**	**0.000196 J**	**1.5**	**0.000267**	**1.4**	**0.000249**	**1.3 J**	**0.000231 J**	**1.3**	**0.000231**	**1.4**	**0.000249**	**1.3**	**0.000231**	**1.9 J**	**0.000338 J**	**1.6**	**0.000285**	**1.4**	**0.000249**
Trimethylbenzene, 1,2,3-	0.6	2.0 U	0.000407 U	**1.0**	**0.000203**	**0.69 J**	**0.00014 J**	**0.90 J**	**0.000183 J**	**2.4**	**0.000488**	**0.75 J**	**0.000153 J**	**0.93 J**	**0.000189 J**	2.0 U	0.000407 U	**0.83 J**	**0.000169 J**	**0.44 J**	**0.00009 J**
Trimethylbenzene, 1,2,4-	2.5	2.0 U	0.000407 U	**2.5**	**0.000509**	**0.49 J**	**0.0001 J**	**1.3 J**	**0.000264 J**	**0.65 J**	**0.000132 J**	**0.49 J**	**0.0001 J**	**2.0**	**0.000407**	2.0 U	0.000407 U	**2.4**	**0.000488**	**0.79 J**	**0.000161 J**
Trimethylbenzene, 1,3,5-	1	**2.0**	**0.000407**	**2.3**	**0.000468**	**3.7**	**0.000753**	**2.0 J**	**0.000407 J**	**12**	**0.002441**	**4.7**	**0.000956**	**3.1**	**0.000631**	2.0 U	0.000407 U	**0.84 J**	**0.000171 J**	**0.25 J**	**0.000051 J**
Trimethylpentane, 2,2,4-	2	1.9 U	0.000407 U	**2.6**	**0.000557**	**0.61 J**	**0.000131 J**	1.9 U	0.000407 U	0.93 U	0.000199 U	**0.80 J**	**0.000171 J**	**1.3**	**0.000278**	1.9 U	0.000407 U	**1.6 J**	**0.000342 J**	0.93 U	0.000199 U
Undecane, n-	2.3	2.6 U	0.000407 U	**3.1 J**	**0.000485 J**	1.3 U	0.000203 U	**3.4 J**	**0.000532 J**	1.3 U	0.000203 U	**0.48 J**	**0.000075 J**	**1.8**	**0.000282**	**1.5 J**	**0.000235 J**	**3.0 J**	**0.000469 J**	**1.5**	**0.000235**
Vinyl bromide	NE	1.8 U	0.000412 U	0.87 U	0.000199 U	0.87 U	0.000199 U	1.8 U	0.000412 U	0.87 U	0.000199 U	0.87 U	0.000199 U	0.87 U	0.000199 U	1.8 U	0.000412 U	0.87 U	0.000199 U	0.87 U	0.000199 U
Vinyl chloride	<0.25	1.0 U	0.000391 U	0.51 U	0.0002 U	0.51 U	0.0002 U	1.0 U	0.000391 U	0.51 U	0.0002 U	0.51 U	0.0002 U	0.51 U	0.0002 U	1.0 U	0.000391 U	0.51 U	0.0002 U	0.51 U	0.0002 U
Total VOCs (ppmv)	NE	NA	**0.015178**	NA	**0.051547**	NA	**0.020544**	NA	**0.056476**	NA	**0.031654**	NA	**0.041183**	NA	**0.035347**	NA	**0.030491**	NA	**0.097697**	NA	**0.090479**

Appendix A - Table 1A
SVE Effluent Analytical Data
Bay Shore/Brightwaters Former MGP Site
Operable Unit No. 1 (OU-1)
Bay Shore, New York

Sample Name: / **Sample Date:**	NYSDOH Background Outdoor Air 95th Percentile[1]	OZ-MGAC 6/22/2010		OZ-MGAC 7/27/2010		OZ-MGAC 8/30/2010		OZ-MGAC 9/16/2010		OZ-STACK 4/1/2010		OZ-STACK 4/15/2010		OZ-STACK 5/17/2010		OZ-STACK 6/22/2010		OZ-STACK 7/27/2010		OZ-STACK 8/30/2010		OZ-STACK 9/16/2010	
	(ug/m3)	(ug/m3)	(ppmv)	(ug/m3)	(ppmv)	(ug/m3)	(ppmv)	(ug/m3)	(ppmv)	(ug/m3)	(ppmv)	(ug/m3)	(ppmv)	(ug/m3)	(ppmv)	(ug/m3)	(ppmv)	(ug/m3)	(ppmv)	(ug/m3)	(ppmv)	(ug/m3)	(ppmv)
BTEX																							
Benzene	5.8	**0.48 J**	**0.00015 J**	0.64 U	0.0002 U	**0.21 J**	**0.000066 J**	0.64 U	0.0002 U	1.3 U	0.000407 U	**6.0**	**0.001878**	0.64 U	0.0002 U	**2.1**	**0.000657**	**0.22 J**	**0.000069 J**	0.64 U	0.0002 U	0.64 U	0.0002 U
Toluene	21	**0.97 J**	**0.000257 J**	**0.41 J**	**0.000109 J**	**0.55 J**	**0.000146 J**	**0.30 J**	**0.00008 J**	1.5 U	0.000398 U	**62**	**0.016452**	**0.90**	**0.000239**	**2.0**	**0.000531**	**1.6**	**0.000425**	**0.23 J**	**0.000061 J**	**0.87**	**0.000231**
Ethylbenzene	1.9	1.7 U	0.000392 U	0.87 U	0.0002 U	0.87 U	0.0002 U	0.87 U	0.0002 U	1.7 U	0.000392 U	**8.8**	**0.002027**	0.87 U	0.0002 U	**0.63 J**	**0.000145 J**	**0.46 J**	**0.000106 J**	0.87 U	0.0002 U	**0.30 J**	**0.000069 J**
Xylene, m,p-	3.1	**1.2 J**	**0.000276 J**	**0.47 J**	**0.000108 J**	**0.51 J**	**0.000117 J**	1.7 U	0.000391 U	3.5 U	0.000806 U	**29**	**0.006678**	**0.87 J**	**0.0002 J**	**2.1 J**	**0.000484 J**	**1.9**	**0.000438**	1.7 U	0.000391 U	**1.5 J**	**0.000345 J**
Xylene, o-	2.5	**0.57 J**	**0.000131 J**	0.87 U	0.0002 U	**0.23 J**	**0.000053 J**	0.87 U	0.0002 U	1.7 U	0.000392 U	**9.8**	**0.002257**	**0.26 J**	**0.00006 J**	**0.86 J**	**0.000198 J**	**0.42 J**	**0.000097 J**	0.87 U	0.0002 U	**0.48 J**	**0.000111 J**
Total BTEX (ppmv)	NE	NA	**0.000814**	NA	**0.000217**	NA	**0.000382**	NA	**0.00008**	NA	ND	NA	**0.029292**	NA	**0.000499**	NA	**0.002015**	NA	**0.001135**	NA	**0.000061**	NA	**0.000756**
Other VOCs																							
Acetaldehyde	NE	**120**	**0.066602**	**24 J**	**0.01332 J**	**280**	**0.155404**	**69**	**0.038296**	**4.8 J**	**0.002664 J**	**18 J**	**0.00999 J**	**5.1**	**0.002831**	**68**	**0.037741**	**22 J**	**0.01221 J**	**5.0**	**0.002775**	**8.5**	**0.004718**
Acetone	58	**110**	**0.046307**	**47**	**0.019786**	**170**	**0.071565**	**47**	**0.019786**	**1.6 J**	**0.000674 J**	**1.7 J**	**0.000716 J**	**1.1 J**	**0.000463 J**	**5.2 J**	**0.002189 J**	**1.5 J**	**0.000631 J**	5.9 U	0.002484 U	2.4 U	0.00101 U
Acrolein (propenal)	NE	**6.8**	**0.002964**	**0.78 J**	**0.00034 J**	**15**	**0.006537**	**3.5**	**0.001525**	2.3 U	0.001002 U	1.2 U	0.000523 U	1.2 U	0.000523 U	**1.9 J**	**0.000828 J**	**0.67 J**	**0.000292 J**	1.2 U	0.000523 U	1.2 U	0.000523 U
Allyl chloride	NE	1.2 U	0.000383 U	0.63 U	0.000201 U	0.63 U	0.000201 U	0.63 U	0.000201 U	1.2 U	0.000383 U	0.63 U	0.000201 U	0.63 U	0.000201 U	1.2 U	0.000383 U	0.63 U	0.000201 U	0.63 U	0.000201 U	0.63 U	0.000201 U
Benzothiophene	NE	2.2 U	0.000401 U	2.7 U	0.000492 U	2.7 U	0.000492 U	2.7 UJ	0.000492 UJ	2.2 U	0.000401 U	1.1 U	0.0002 U	2.7 U	0.000492 U	2.2 U	0.000401 U	2.7 U	0.000492 U	2.7 U	0.000492 U	2.7 UJ	0.000492 UJ
Bromodichloromethane	NE	2.7 U	0.000403 U	1.3 U	0.000194 U	1.3 U	0.000194 U	1.3 U	0.000194 U	2.7 U	0.000403 U	1.3 U	0.000194 U	1.3 U	0.000194 U	2.7 U	0.000403 U	1.3 U	0.000194 U	1.3 U	0.000194 U	1.3 U	0.000194 U
Bromoform	NE	4.1 U	0.000397 U	2.1 U	0.000203 U	2.1 U	0.000203 U	2.1 U	0.000203 U	4.1 U	0.000397 U	2.1 U	0.000203 U	2.1 U	0.000203 U	4.1 U	0.000397 U	2.1 U	0.000203 U	2.1 U	0.000203 U	2.1 U	0.000203 U
Bromomethane	0.9	1.6 U	0.000412 U	0.78 U	0.000201 U	0.78 U	0.000201 U	0.78 U	0.000201 U	1.6 U	0.000412 U	0.78 U	0.000201 U	0.78 U	0.000201 U	1.6 U	0.000412 U	0.78 U	0.000201 U	0.78 U	0.000201 U	0.78 U	0.000201 U
Butadiene, 1,3-	NE	0.88 U	0.000398 U	0.44 U	0.000199 U	0.44 U	0.000199 U	0.44 U	0.000199 U	0.88 U	0.000398 U	0.44 U	0.000199 U	0.44 U	0.000199 U	0.88 U	0.000398 U	0.44 U	0.000199 U	0.44 U	0.000199 U	0.44 U	0.000199 U
Butane	NE	**1.7**	**0.000714**	**1.1**	**0.000462**	**4.0**	**0.00168**	**1.4**	**0.000588**	**4.3**	**0.001806**	**4.0**	**0.00168**	**1.4**	**0.000588**	**1.5**	**0.00063**	**1.1**	**0.000462**	**1.0**	**0.00042**	**0.64**	**0.000269**
Butanone, 2-	17	**28**	**0.009494**	**2.6**	**0.000882**	**80**	**0.027127**	**24**	**0.008138**	1.2 U	0.000407 U	**1.9**	**0.000644**	**0.50 J**	**0.00017 J**	**2.0**	**0.000678**	**2.4**	**0.000814**	**0.61**	**0.000207**	**0.62**	**0.00021**
Carbon disulfide	NE	**2.0**	**0.000642**	**1.5**	**0.000482**	**2.4**	**0.000771**	**0.47 J**	**0.000151 J**	1.2 U	0.000385 U	**0.28 J**	**0.00009 J**	**0.31 J**	**0.0001 J**	**1.8**	**0.000578**	**1.9**	**0.00061**	**0.58 JB**	**0.000186 JB**	**0.16 J**	**0.000051 J**
Carbon tetrachloride	1	2.5 U	0.000397 U	**0.36 J**	**0.000057 J**	**0.35 J**	**0.000056 J**	1.3 U	0.000207 U	2.5 U	0.000397 U	1.3 U	0.000207 U	1.3 U	0.000207 U	2.5 U	0.000397 U	1.3 U	0.000207 U	1.3 U	0.000207 U	1.3 U	0.000207 U
Chlorobenzene	<0.25	1.8 U	0.000391 U	0.92 U	0.0002 U	0.92 U	0.0002 U	0.92 U	0.0002 U	1.8 U	0.000391 U	**3.5**	**0.00076**	0.92 U	0.0002 U	1.8 U	0.000391 U	0.92 U	0.0002 U	0.92 U	0.0002 U	0.92 U	0.0002 U
Chloroethane	0.4	1.0 U	0.000379 U	0.53 U	0.000201 U	**0.65**	**0.000246**	0.53 U	0.000201 U	1.0 U	0.000379 U	0.53 U	0.000201 U	0.53 U	0.000201 U	1.0 U	0.000379 U	0.53 U	0.000201 U	0.53 U	0.000201 U	0.53 U	0.000201 U
Chloroform	0.5	2.0 U	0.00041 U	**0.79 J**	**0.000162 J**	**0.81 J**	**0.000166 J**	**0.44 J**	**0.00009 J**	2.0 U	0.00041 U	0.98 U	0.000201 U	0.98 U	0.000201 U	2.0 U	0.00041 U	**0.25 J**	**0.000051 J**	**0.40 J**	**0.000082 J**	**0.29 J**	**0.000059 J**
Chloromethane	4.6	**1.3**	**0.00063**	**0.58**	**0.000281**	**1.2**	**0.000581**	**0.93**	**0.00045**	**0.87 J**	**0.000421 J**	**0.99**	**0.000479**	**0.85**	**0.000412**	**3.0**	**0.001453**	**1.4 J**	**0.000678 J**	**1.1**	**0.000533**	0.41 UJ	0.000199 UJ
Chlorotoluene, 2-	NE	2.1 U	0.000406 U	1.0 U	0.000193 U	1.0 U	0.000193 U	1.0 U	0.000193 U	2.1 U	0.000406 U	1.0 U	0.000193 U	1.0 U	0.000193 U	2.1 U	0.000406 U	1.0 U	0.000193 U	1.0 U	0.000193 U	1.0 U	0.000193 U
Cryofluorane	1.3	2.8 U	0.000401 U	1.4 U	0.0002 U	1.4 U	0.0002 U	1.4 U	0.0002 U	2.8 U	0.000401 U	1.4 U	0.0002 U	1.4 U	0.0002 U	2.8 U	0.000401 U	1.4 U	0.0002 U	1.4 U	0.0002 U	1.4 U	0.0002 U
Cyclohexane	3	**4.0**	**0.001162**	**4.9**	**0.001424**	**5.7**	**0.001656**	**2.1**	**0.00061**	1.4 U	0.000407 U	**2.9 J**	**0.000842 J**	0.69 U	0.0002 U	1.4 U	0.000407 U	0.69 U	0.0002 U	0.69 U	0.0002 U	0.69 U	0.0002 U
Decane, n-	3.6	**10**	**0.001718**	1.2 U	0.000206 U	**0.68 J**	**0.000117 J**	1.2 U	0.000206 U	2.3 U	0.000395 U	**2.3**	**0.000395**	**0.35 J**	**0.00006 J**	**17**	**0.002921**	**0.63 J**	**0.000108 J**	1.2 U	0.000206 U	**0.87 J**	**0.000149 J**
Dibromochloromethane	NE	3.4 U	0.000399 U	1.7 U	0.0002 U	1.7 U	0.0002 U	1.7 U	0.0002 U	3.4 U	0.000399 U	1.7 U	0.0002 U	1.7 U	0.0002 U	3.4 U	0.000399 U	1.7 U	0.0002 U	1.7 U	0.0002 U	1.7 U	0.0002 U
Dibromoethane, 1,2-	<0.25	3.1 U	0.000403 U	1.5 U	0.000195 U	1.5 U	0.000195 U	1.5 U	0.000195 U	3.1 U	0.000403 U	1.5 U	0.000195 U	1.5 U	0.000195 U	3.1 U	0.000403 U	1.5 U	0.000195 U	1.5 U	0.000195 U	1.5 U	0.000195 U
Dichlorobenzene, 1,2-	0.9	2.4 U	0.000399 U	1.2 U	0.0002 U	1.2 U	0.0002 U	1.2 U	0.0002 U	2.4 U	0.000399 U	1.2 U	0.0002 U	1.2 U	0.0002 U	2.4 U	0.000399 U	1.2 U	0.0002 U	1.2 U	0.0002 U	1.2 U	0.0002 U
Dichlorobenzene, 1,3-	0.7	**2.6**	**0.000432**	1.2 U	0.0002 U	1.2 U	0.0002 U	1.2 U	0.0002 U	2.4 U	0.000399 U	1.2 U	0.0002 U	1.2 U	0.0002 U	**2.8**	**0.000466**	**0.32 J**	**0.000053 J**	1.2 U	0.0002 U	1.2 U	0.0002 U
Dichlorobenzene, 1,4-	0.8	2.4 U	0.000399 U	1.2 U	0.0002 U	1.2 U	0.0002 U	1.2 U	0.0002 U	2.4 U	0.000399 U	1.2 U	0.0002 U	1.2 U	0.0002 U	2.4 U	0.000399 U	1.2 U	0.0002 U	1.2 U	0.0002 U	1.2 U	0.0002 U
Dichlorodifluoromethane	11	**2.9**	**0.000586**	**2.3**	**0.000465**	**2.8**	**0.000566**	**2.5**	**0.000506**	**3.0**	**0.000607**	**3.2**	**0.000647**	**2.8**	**0.000566**	**3.1**	**0.000627**	**2.7**	**0.000546**	**3.4**	**0.000688**	**2.4**	**0.000485**
Dichloroethane, 1,1-	<0.25	1.6 U	0.000395 U	0.81 U	0.0002 U	0.81 U	0.0002 U	0.81 U	0.0002 U	1.6 U	0.000395 U	0.81 U	0.0002 U	**0.20 J**	**0.000049 J**	1.6 U	0.000395 U	0.81 U	0.0002 U	0.81 U	0.0002 U	0.81 U	0.0002 U
Dichloroethane, 1,2-	<0.25	1.6 U	0.000395 U	0.81 U	0.0002 U	0.81 U	0.0002 U	0.81 U	0.0002 U	1.6 U	0.000395 U	0.81 U	0.0002 U	0.81 U	0.0002 U	1.6 U	0.000395 U	0.81 U	0.0002 U	0.81 U	0.0002 U	0.81 U	0.0002 U
Dichloroethene, 1,1-	<0.25	1.6 U	0.000404 U	0.79 U	0.000199 U	0.79 U	0.000199 U	0.79 U	0.000199 U	1.6 U	0.000404 U	0.79 U	0.000199 U	0.79 U	0.000199 U	1.6 U	0.000404 U	0.79 U	0.000199 U	0.79 U	0.000199 U	0.79 U	0.000199 U
Dichloroethene, cis-1,2-	<0.25	1.6 U	0.000404 U	0.79 U	0.000199 U	0.79 U	0.000199 U	0.79 U	0.000199 U	1.6 U	0.000404 U	0.79 U	0.000199 U	0.79 U	0.000199 U	1.6 U	0.000404 U	0.79 U	0.000199 U	0.79 U	0.000199 U	0.79 U	0.000199 U
Dichloropropane, 1,2-	<0.25	1.8 U	0.00039 U	0.92 U	0.000199 U	0.92 U	0.000199 U	0.92 U	0.000199 U	1.8 U	0.00039 U	0.92 U	0.000199 U	0.92 U	0.000199 U	1.8 U	0.00039 U	0.92 U	0.000199 U	0.92 U	0.000199 U	0.92 U	0.000199 U
Dichloropropene, cis-1,3	<0.25	1.8 U	0.000397 U	0.91 U	0.0002 U	0.91 U	0.0002 U	0.91 U	0.0002 U	1.8 U	0.000397 U	0.91 U	0.0002 U	0.91 U	0.0002 U	1.8 U	0.000397 U	0.91 U	0.0002 U	0.91 U	0.0002 U	0.91 U	0.0002 U
Dichloropropene, trans-1,3	<0.25	1.8 U	0.000397 U	0.91 U	0.0002 U	**0.31 J**	**0.000068 J**	0.91 U	0.0002 U	1.8 U	0.000397 U	0.91 U	0.0002 U	0.91 U	0.0002 U	1.8 U	0.000397 U	0.91 U	0.0002 U	0.91 U	0.0002 U	0.91 U	0.0002 U
Dioxane, 1,4-	NE	1.4 U	0.000389 U	0.72 U	0.0002 U	0.72 U	0.0002 U	0.72 U	0.0002 U	1.4 U	0.000389 U	0.72 U	0.0002 U	0.72 U	0.0002 U	1.4 U	0.000389 U	0.72 U	0.0002 U	0.72 U	0.0002 U	0.72 U	0.0002 U
Dodecane, n-	7.6	**13**	**0.001866**	**0.37 J**	**0.000053 J**	**1.1 J**	**0.000158 J**	**1.0 J**	**0.000144 J**	2.8 U	0.000402 U	**0.42 J**	**0.00006 J**	**1.1 J**	**0.000158 J**	**9.8**	**0.001407**	**1.9 J**	**0.000273 J**	**0.44 J**	**0.000063 J**	**1.4**	**0.000201**
Ethanol	220	**20**	**0.010615**	**4.8**	**0.002547**	**20**	**0.010615**	**8.9**	**0.004723**	**1.0 J**	**0.000531 J**	**68**	**0.03609**	**5.7**	**0.003025**	**50**	**0.026536**	**17**	**0.009022**	**1.3 J**	**0.00069 J**	**1.7 J**	**0.000902 J**

Appendix A - Table 1A
SVE Effluent Analytical Data
Bay Shore/Brightwaters Former MGP Site
Operable Unit No. 1 (OU-1)
Bay Shore, New York

Sample Name:	NYSDOH Background Outdoor Air	OZ-MGAC		OZ-MGAC		OZ-MGAC		OZ-MGAC		OZ-STACK		OZ-STACK		OZ-STACK		OZ-STACK		OZ-STACK		OZ-STACK		OZ-STACK	
Sample Date:	95th Percentile[1]	6/22/2010		7/27/2010		8/30/2010		9/16/2010		4/1/2010		4/15/2010		5/17/2010		6/22/2010		7/27/2010		8/30/2010		9/16/2010	
	(ug/m3)	(ug/m3)	(ppmv)	(ug/m3)	(ppmv)	(ug/m3)	(ppmv)	(ug/m3)	(ppmv)	(ug/m3)	(ppmv)	(ug/m3)	(ppmv)	(ug/m3)	(ppmv)	(ug/m3)	(ppmv)	(ug/m3)	(ppmv)	(ug/m3)	(ppmv)	(ug/m3)	(ppmv)
Ethylthiophene, 2-	NE	1.8 U	0.000392 U	0.92 U	0.000201 U	0.92 U	0.000201 U	0.92 U	0.000201 U	1.8 U	0.000392 U	0.92 U	0.000201 U	0.92 U	0.000201 U	1.8 U	0.000392 U	0.92 U	0.000201 U	0.92 U	0.000201 U	0.92 U	0.000201 U
Ethyltoluene, p-	NE	2.0 U	0.000407 U	0.98 U	0.000199 U	0.98 U	0.000199 U	0.98 U	0.000199 U	2.0 U	0.000407 U	**1.3**	**0.000264**	0.98 U	0.000199 U	2.0 U	0.000407 U	0.98 U	0.000199 U	0.98 U	0.000199 U	0.98 U	0.000199 U
Heptane, n-	5.1	**12**	**0.002928**	**1.5**	**0.000366**	**24**	**0.005856**	**5.7**	**0.001391**	1.6 U	0.00039 U	**6.5**	**0.001586**	0.82 U	0.0002 U	1.6 U	0.00039 U	0.82 U	0.0002 U	0.82 U	0.0002 U	0.82 U	0.0002 U
Hexachlorobutadiene	7	4.3 U	0.000403 U	2.1 U	0.000197 U	2.1 U	0.000197 U	2.1 U	0.000197 U	4.3 U	0.000403 U	2.1 U	0.000197 U	2.1 U	0.000197 U	4.3 U	0.000403 U	2.1 U	0.000197 U	2.1 U	0.000197 U	2.1 U	0.000197 U
Hexane, n-	3.6	**20**	**0.005674**	**24**	**0.006809**	**29**	**0.008228**	**5.9**	**0.001674**	1.4 U	0.000397 U	**5.8 J**	**0.001646 J**	0.70 U	0.000199 U	1.4 U	0.000397 U	0.70 U	0.000199 U	0.70 U	0.000199 U	0.70 U	0.000199 U
Hexanone, 2-	NE	**5.8**	**0.001416**	0.82 U	0.0002 U	**12**	**0.002929**	**3.2**	**0.000781**	1.6 U	0.000391 U	0.82 U	0.0002 U	0.82 U	0.0002 U	1.6 U	0.000391 U	0.82 U	0.0002 U	0.82 U	0.0002 U	0.82 U	0.0002 U
Indan	NE	1.9 U	0.000393 U	0.97 U	0.000201 U	0.97 U	0.000201 U	0.97 U	0.000201 U	1.9 U	0.000393 U	**0.43 J**	**0.000089 J**	0.97 U	0.000201 U	**0.51 J**	**0.000106 J**	0.97 U	0.000201 U	0.97 U	0.000201 U	0.97 U	0.000201 U
Indene	NE	**2.1**	**0.000442**	0.95 U	0.0002 U	0.95 U	0.0002 U	0.95 U	0.0002 U	1.9 U	0.0004 U	**0.52 J**	**0.000109 J**	0.95 UJ	0.0002 UJ	**2.9**	**0.00061**	0.95 U	0.0002 U	0.95 U	0.0002 U	0.95 U	0.0002 U
Methyl tert-butyl ether	5.9	1.4 U	0.000388 U	0.72 U	0.0002 U	0.72 U	0.0002 U	0.72 U	0.0002 U	1.4 U	0.000388 U	0.72 U	0.0002 U	0.72 U	0.0002 U	1.4 U	0.000388 U	0.72 U	0.0002 U	0.72 U	0.0002 U	0.72 U	0.0002 U
Methyl-2-pentanone, 4-	2.9	**2.0**	**0.000488**	0.82 U	0.0002 U	**0.91**	**0.000222**	0.82 U	0.0002 U	1.6 U	0.000391 U	0.82 UJ	0.0002 UJ	0.82 U	0.0002 U	**5.3**	**0.001294**	0.82 U	0.0002 U	0.82 U	0.0002 U	0.82 U	0.0002 U
Methylene chloride	2.9	**2.3 J**	**0.000662 J**	3.5 U	0.001008 U	**1.7 JB**	**0.000489 JB**	3.4 U	0.000979 U	**1.2 J**	**0.000345 J**	**0.69 J**	**0.000199 J**	1.7 U	0.000489 U	**1.7 J**	**0.000489 J**	3.5 U	0.001008 U	**1.2 JB**	**0.000345 JB**	3.4 U	0.000979 U
Methylnaphthalene, 1-	NE	5.8 U	0.000997 U	5.8 U	0.000997 U	2.9 U	0.000499 U	2.9 U	0.000499 U	5.8 U	0.000997 U	2.9 U	0.000499 U	2.9 UJ	0.000499 UJ	5.8 U	0.000997 U	5.8 U	0.000997 U	2.9 U	0.000499 U	2.9 U	0.000499 U
Methylnaphthalene, 2-	NE	5.8 U	0.000997 U	5.8 U	0.000997 U	2.9 U	0.000499 U	2.9 U	0.000499 U	5.8 U	0.000997 U	2.9 UJ	0.000499 UJ	2.9 U	0.000499 U	5.8 U	0.000997 U	5.8 U	0.000997 U	2.9 U	0.000499 U	2.9 U	0.000499 U
Other VOCs cont.																							
Methylthiophene, 2-	NE	1.6 U	0.000398 U	0.80 U	0.000199 U	0.80 U	0.000199 U	0.80 U	0.000199 U	1.6 U	0.000398 U	0.80 U	0.000199 U	0.80 U	0.000199 U	1.6 U	0.000398 U	0.80 U	0.000199 U	0.80 U	0.000199 U	0.80 U	0.000199 U
Methylthiophene, 3-	NE	1.6 U	0.000399 U	0.80 U	0.000199 U	0.80 U	0.000199 U	0.80 U	0.000199 U	1.6 U	0.000399 U	0.80 U	0.000199 U	0.80 U	0.000199 U	1.6 U	0.000399 U	0.80 U	0.000199 U	0.80 U	0.000199 U	0.80 U	0.000199 U
Naphthalene	10	**2.3 J**	**0.000439 J**	1.0 U	0.000191 U	1.0 U	0.000191 U	1.0 U	0.000191 U	2.1 U	0.000401 U	1.0 U	0.000191 U	**0.63 J**	**0.00012 J**	**4.7 J**	**0.000897 J**	**0.49 J**	**0.000093 J**	1.0 U	0.000191 U	1.0 U	0.000191 U
Nonane	1.2	**0.70 J**	**0.000133 J**	1.0 U	0.000191 U	**1.2**	**0.000229**	**0.42 J**	**0.00008 J**	2.1 U	0.0004 U	**1.8**	**0.000343**	1.0 U	0.000191 U	**0.91 J**	**0.000173 J**	**0.26 J**	**0.00005 J**	1.0 U	0.000191 U	**0.31 J**	**0.000059 J**
Octane, n-	2.1	**3.0**	**0.000642**	0.93 U	0.000199 U	**2.5**	**0.000535**	**0.79 J**	**0.000169 J**	1.9 U	0.000407 U	**5.8**	**0.001241**	0.93 U	0.000199 U	**5.5**	**0.001177**	0.93 U	0.000199 U	0.93 U	0.000199 U	0.93 U	0.000199 U
Pentane	NE	**22**	**0.007455**	**14**	**0.004744**	**12**	**0.004067**	**3.7**	**0.001254**	1.2 U	0.000407 U	**5.6**	**0.001898**	0.59 U	0.0002 U	1.2 U	0.000407 U	**1.2**	**0.000407**	**3.7**	**0.001254**	**2.4**	**0.000813**
Propanol, 2-	NE	2.5 U	0.001017 U	**0.58 J**	**0.000236 J**	**3.9**	**0.001587**	**0.86 J**	**0.00035 J**	2.5 U	0.001017 U	1.2 U	0.000488 U	1.2 U	0.000488 U	2.5 U	0.001017 U	**0.96 J**	**0.000391 J**	1.2 U	0.000488 U	1.2 U	0.000488 U
Styrene	0.6	1.7 U	0.000399 U	0.85 U	0.0002 U	0.85 U	0.0002 U	0.85 U	0.0002 U	1.7 U	0.000399 U	**0.64 J**	**0.00015 J**	**0.30 J**	**0.00007 J**	**0.95 J**	**0.000223 J**	0.85 U	0.0002 U	0.85 U	0.0002 U	0.85 U	0.0002 U
t-Butyl alcohol	NE	**13**	**0.004289**	**2.0**	**0.00066**	**12**	**0.003959**	**1.9**	**0.000627**	1.2 U	0.000396 U	**1.4**	**0.000462**	0.61 U	0.000201 U	**7.0**	**0.002309**	**0.31 J**	**0.000102 J**	**0.72**	**0.000238**	0.61 U	0.000201 U
Tetrachloroethane,1,1,2,2-	<0.25	2.7 U	0.000393 U	1.4 U	0.000204 U	1.4 U	0.000204 U	1.4 U	0.000204 U	2.7 U	0.000393 U	1.4 U	0.000204 U	1.4 U	0.000204 U	2.7 U	0.000393 U	1.4 U	0.000204 U	1.4 U	0.000204 U	1.4 U	0.000204 U
Tetrachloroethene	1.6	**1.2 J**	**0.000177 J**	**0.78 J**	**0.000115 J**	**0.91 J**	**0.000134 J**	**0.41 J**	**0.00006 J**	2.7 U	0.000398 U	1.4 U	0.000206 U	1.4 U	0.000206 U	2.7 U	0.000398 U	1.4 U	0.000206 U	1.4 U	0.000206 U	1.4 U	0.000206 U
Tetramethylbenzene, 1,2,4,5-	NE	2.2 U	0.000401 U	1.1 U	0.0002 U	1.1 U	0.0002 U	1.1 U	0.0002 U	2.2 U	0.000401 U	1.1 U	0.0002 U	1.1 U	0.0002 U	2.2 U	0.000401 U	1.1 U	0.0002 U	1.1 U	0.0002 U	1.1 U	0.0002 U
Thiophene	NE	1.4 U	0.000407 U	0.69 U	0.000201 U	0.69 U	0.000201 U	0.69 U	0.000201 U	1.4 U	0.000407 U	0.69 U	0.000201 U	0.69 U	0.000201 U	1.4 U	0.000407 U	0.69 U	0.000201 U	0.69 U	0.000201 U	0.69 U	0.000201 U
Trans-1,2-dichloroethene	NE	1.6 U	0.000404 U	0.79 U	0.000199 U	0.79 U	0.000199 U	0.79 U	0.000199 U	1.6 U	0.000404 U	0.79 U	0.000199 U	0.79 U	0.000199 U	1.6 U	0.000404 U	0.79 U	0.000199 U	0.79 U	0.000199 U	0.79 U	0.000199 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	**1.2 J**	**0.000157 J**	**0.79 J**	**0.000103 J**	**0.70 J**	**0.000091 J**	**0.46 J**	**0.00006 J**	3.1 U	0.000405 U	1.5 U	0.000196 U	1.5 U	0.000196 U	**1.4 J**	**0.000183 J**	**1.8**	**0.000235**	**1.2 J**	**0.000157 J**	**0.54 J**	**0.00007 J**
Trichlorobenzene, 1,2,4-	4.8	3.0 U	0.000404 U	1.5 U	0.000202 U	1.5 U	0.000202 U	1.5 U	0.000202 U	3.0 U	0.000404 U	1.5 U	0.000202 U	1.5 U	0.000202 U	3.0 U	0.000404 U	1.5 U	0.000202 U	1.5 U	0.000202 U	1.5 U	0.000202 U
Trichloroethane, 1,1,1-	0.7	**0.74 J**	**0.000136 J**	**0.51 J**	**0.000093 J**	**0.44 J**	**0.000081 J**	1.1 U	0.000202 U	2.2 U	0.000403 U	1.1 U	0.000202 U	1.1 U	0.000202 U	2.2 U	0.000403 U	1.1 U	0.000202 U	**0.32 J**	**0.000059 J**	1.1 U	0.000202 U
Trichloroethane, 1,1,2-	<0.25	2.2 U	0.000403 U	1.1 U	0.000202 U	1.1 U	0.000202 U	1.1 U	0.000202 U	2.2 U	0.000403 U	1.1 U	0.000202 U	1.1 U	0.000202 U	2.2 U	0.000403 U	1.1 U	0.000202 U	1.1 U	0.000202 U	1.1 U	0.000202 U
Trichloroethene	0.5	2.2 U	0.000409 U	**0.40 J**	**0.000074 J**	**0.41 J**	**0.000076 J**	11 U	0.002047 U	2.2 U	0.000409 U	1.1 U	0.000205 U	1.1 U	0.000205 U	2.2 U	0.000409 U	1.1 U	0.000205 U	1.1 U	0.000205 U	1.1 U	0.000205 U
Trichlorofluoromethane	6.1	**2.0 J**	**0.000356 J**	**1.5**	**0.000267**	**2.1**	**0.000374**	**1.3**	**0.000231**	**2.4**	**0.000427**	**2.2**	**0.000392**	**1.7**	**0.000303**	**2.6**	**0.000463**	**1.7**	**0.000303**	**1.9**	**0.000338**	**1.1**	**0.000196**
Trimethylbenzene, 1,2,3-	0.6	**0.66 J**	**0.000134 J**	0.98 U	0.000199 U	0.98 U	0.000199 U	0.98 U	0.000199 U	2.0 U	0.000407 U	**0.59 J**	**0.00012 J**	0.98 U	0.000199 U	**0.89 J**	**0.000181 J**	0.98 U	0.000199 U	0.98 U	0.000199 U	**0.25 J**	**0.000051 J**
Trimethylbenzene, 1,2,4-	2.5	**1.2 J**	**0.000244 J**	0.98 U	0.000199 U	**0.29 J**	**0.000059 J**	0.98 U	0.000199 U	2.0 U	0.000407 U	**2.3**	**0.000468**	**0.39 J**	**0.000079 J**	**1.4 J**	**0.000285 J**	**0.49 J**	**0.0001 J**	0.98 U	0.000199 U	**0.88 J**	**0.000179 J**
Trimethylbenzene, 1,3,5-	1	2.0 U	0.000407 U	0.98 U	0.000199 U	**0.30 J**	**0.000061 J**	0.98 U	0.000199 U	2.0 U	0.000407 U	**1.2**	**0.000244**	0.98 U	0.000199 U	2.0 U	0.000407 U	0.98 U	0.000199 U	0.98 U	0.000199 U	0.98 U	0.000199 U
Trimethylpentane, 2,2,4-	2	1.9 U	0.000407 U	**1.1**	**0.000235**	**1.6**	**0.000342**	**0.42 J**	**0.00009 J**	1.9 U	0.000407 U	**5.7**	**0.00122**	0.93 U	0.000199 U	1.9 U	0.000407 U	0.93 U	0.000199 U	0.93 U	0.000199 U	0.93 U	0.000199 U
Undecane, n-	2.3	**3.8 J**	**0.000594 J**	**0.40 J**	**0.000063 J**	**1.2 J**	**0.000188 J**	**0.38 J**	**0.000059 J**	**1.5 J**	**0.000235 J**	1.3 U	0.000203 U	**1.0 J**	**0.000156 J**	**4.2 J**	**0.000657 J**	**0.51 J**	**0.00008 J**	1.3 U	0.000203 U	**1.5**	**0.000235**
Vinyl bromide	NE	1.8 U	0.000412 U	0.87 U	0.000199 U	0.87 U	0.000199 U	0.87 U	0.000199 U	1.8 U	0.000412 U	0.87 U	0.000199 U	0.87 U	0.000199 U	1.8 U	0.000412 U	0.87 U	0.000199 U	0.87 U	0.000199 U	0.87 U	0.000199 U
Vinyl chloride	<0.25	1.0 U	0.000391 U	0.51 U	0.0002 U	**0.45 J**	**0.000176 J**	0.51 U	0.0002 U	1.0 U	0.000391 U	0.51 U	0.0002 U	0.51 U	0.0002 U	1.0 U	0.000391 U	0.51 U	0.0002 U	0.51 U	0.0002 U	0.51 U	0.0002 U
Total VOCs (ppmv)	NE	NA	**0.170912**	NA	**0.054243**	NA	**0.307378**	NA	**0.081913**	NA	**0.00771**	NA	**0.092116**	NA	**0.009649**	NA	**0.087116**	NA	**0.028646**	NA	**0.008096**	NA	**0.009403**

Appendix A - Table 1A
SVE Effluent Analytical Data
Bay Shore/Brightwaters Former MGP Site
Operable Unit No. 1 (OU-1)
Bay Shore, New York

Notes:

ppmv - parts per million by volume
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
ND - not detected

J - estimated value
JB - analyte was detected in a sample at a level between three and five times that of the blank and estimated result
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

Appendix B
Table B-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 2010
107,729 lbs

	Operational Days		Oxygen Injected Per Month (Lbs)
Month 1	Jul-10	31	3868
Month 2	Aug-10	31	3733
Month 3	Sep-10	30	3713
Total Operational Days In Q3 2010		92	
Total Oxygen in Q3 2010 (Lbs)			11,314.12
Running Total Through Q3 2010 (Lbs)			119,042.80

			7/19/2010						8/20/2010						9/14/20100					
		O2%	70.3						71.5						71.8					
		R	10.73						10.73						10.73					
		Temp R (T)	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	30	41.852	83.704	17.0	31.7	0.328	30	41.852	83.704	17.0	31.7	0.334	30	41.852	83.704	17.0	31.7	0.335
	Point 4	26	30	33.820	67.640	6.0	20.7	0.173	28	31.565	63.130	6.0	20.7	0.164	30	33.820	67.640	6.0	20.7	0.177
	Point 5	41	30	39.122	78.245	13.0	27.7	0.268	30	39.122	78.245	13.0	27.7	0.272	30	39.122	78.245	13.0	27.7	0.274
	Point 8	26	30	34.226	68.452	6.5	21.2	0.179	28	31.944	63.888	6.5	21.2	0.170	30	34.226	68.452	6.5	21.2	0.183
	Point 9	41	32	41.731	83.461	13.0	27.7	0.286	32	41.731	83.461	13.0	27.7	0.291	30	39.122	78.245	13.0	27.7	0.274
	Point 12	26	28	32.319	64.637	7.0	21.7	0.173	30	34.226	68.452	6.5	21.2	0.182	30	34.226	68.452	6.5	21.2	0.183
	Point 13	41	28	36.842	73.685	13.5	28.2	0.257	32	42.106	84.211	13.5	28.2	0.299	28	36.842	73.685	13.5	28.2	0.262
	Point 16	26	30	34.627	69.254	7.0	21.7	0.186	28	32.319	64.637	7.0	21.7	0.176	32	36.936	73.871	7.0	21.7	0.202
Total Oxygen Injected per Day (lb/day)			**59.207**						**60.440**						**60.488**					
		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 2	Point 2	26	30	34.627	69.254	7.0	21.7	0.186	26	30.010	60.020	7.0	21.7	0.164	30	34.627	69.254	7.0	21.7	0.190
	Point 3	41	32	44.993	89.986	17.5	32.2	0.358	30	42.181	84.361	17.5	32.2	0.342	32	44.642	89.284	17	31.7	0.357
	Point 6	26	32	36.936	73.871	7.0	21.7	0.198	28	32.319	64.637	7.0	21.7	0.176	30	34.627	69.254	7	21.7	0.190
	Point 7	41	34	44.737	89.474	13.5	28.2	0.312	30	39.474	78.948	13.5	28.2	0.280	30	39.474	78.948	13.5	28.2	0.281
	Point 10	26	34	39.244	78.488	7.0	21.7	0.211	28	32.319	64.637	7.0	21.7	0.176	30	34.627	69.254	7	21.7	0.190
	Point 11	41	34	44.339	88.678	13	27.7	0.304	30	39.122	78.245	13.0	27.7	0.272	32	41.731	83.461	13	27.7	0.292
	Point 14	26	32	36.936	73.871	7	21.7	0.198	28	32.319	64.637	7.0	21.7	0.176	30	34.627	69.254	7	21.7	0.190
	Point 15	41	30	39.822	79.645	14	28.7	0.283	30	39.822	79.645	14.0	28.7	0.287	30	39.822	79.645	14	28.7	0.289
Total Oxygen Injected per Day (lb/day)			**65.566**						**59.972**						**63.292**					
System Total (lb/day)			**124.77**						**120.41**						**123.78**					

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 = (lb Moles)
lbs = n*32 lb/lb mole
Temperature = Degrees Rankine
R = Constant (10.73)

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-2
Operational Data
66 North Clinton Avenue 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 2010: 9,069 lbs

	Operational Days		Oxygen Injected Per Month (Lbs)
Month 1	Jul-10	31	2036
Month 2	Aug-10	31	1854
Month 3	Sep-10	30	2065
Total Operational Days In Q3 2010		92	
Total Oxygen in Q3 2010 (Lbs)		5,955.32	
Running Total Through Q3 2010 (Lbs)		15,024.13	

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 = (lb Moles)
lbs = n*32 lb/lb mole
Temperature = Degrees Rankine
R = Constant (10.73)
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)

			7/22/2010						8/30/2010						9/13/2010					
		O2%	89.6						82.5						78.3					
		R	10.73						10.73						10.73					
		Temp R (T)	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 1A	25	32	37.777	40.296	8.0	22.7	0.144	33	38.526	41.095	7.5	22.2	0.144	32	37.359	39.849	7.5	22.2	0.139
	Point 1 B	35	32	40.196	42.876	11.0	25.7	0.174	32	40.196	42.876	11.0	25.7	0.174	34	42.708	45.555	11.0	25.7	0.184
	Point 2A	25	32	37.359	39.849	7.5	22.2	0.139	32	37.359	39.849	7.5	22.2	0.139	32	37.359	39.849	7.5	22.2	0.139
	Point 2B	35	34	43.531	46.433	12.0	26.7	0.195	33	42.251	45.067	12.0	26.7	0.190	32	40.970	43.702	12.0	26.7	0.184
	Point 3A	25	30	33.820	36.074	6.0	20.7	0.118	32	36.074	38.479	6.0	20.7	0.125	30	33.409	35.636	5.5	20.2	0.113
	Point 3B	35	32	40.970	43.702	12.0	26.7	0.184	32	40.970	43.702	12.0	26.7	0.184	32	40.970	43.702	12.0	26.7	0.184
	Point 4A	25	30	35.416	37.777	8.0	22.7	0.135	32	37.777	40.296	8.0	22.7	0.144	32	37.777	40.296	8.0	22.7	0.144
	Point 4B	35	30	38.768	41.352	12.5	27.2	0.177	32	41.352	44.109	12.5	27.2	0.189	32	41.352	44.109	12.5	27.2	0.189
	Point 5A	25	32	38.191	40.737	8.5	23.2	0.149	32	38.191	40.737	8.5	23.2	0.149	30	35.804	38.191	8.5	23.2	0.140
	Point 5B	35	32	41.352	44.109	12.5	27.2	0.189	33	42.645	45.487	12.5	27.2	0.195	32	41.352	44.109	12.5	27.2	0.189
Total Oxygen Injected per Day (lb/day)			**51.334**						**52.245**						**51.395**					
		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 2	Point 6	25	30	36.943	39.406	10.0	24.7	0.153	42	51.720	55.169	10.0	24.7	0.215	32	39.005	41.606	9.5	24.2	0.159
	Point 7	25	30	35.416	37.777	8.0	22.7	0.135	43	51.319	54.740	8.5	23.2	0.200	32	37.777	40.296	8.0	22.7	0.144
	Point 8	25	32	38.600	41.174	9.0	23.7	0.154	44	53.075	56.614	9.0	23.7	0.211	30	36.188	38.600	9.0	23.7	0.144
	Point 9	25	30	36.188	38.600	9.0	23.7	0.144	38	45.352	48.375	8.5	23.2	0.177	32	38.191	40.737	8.5	23.2	0.149
	Point 10	25	28	34.130	36.405	9.5	24.2	0.139	40	48.250	51.467	9.0	23.7	0.192	32	38.600	41.174	9.0	23.7	0.154
	Point 11	25	30	36.188	38.600	9.0	23.7	0.144	40	48.757	52.007	9.5	24.2	0.198	32	39.005	41.606	9.5	24.2	0.159
	Point 12	25	30	36.567	39.005	9.5	24.2	0.149	38	45.838	48.894	9.0	23.7	0.183	30	36.188	38.600	9.0	23.7	0.144
	Point 13	25	32	38.600	41.174	9.0	23.7	0.154	40	48.250	51.467	9.0	23.7	0.192	32	38.191	40.737	8.5	23.2	0.149
	Point 14	25	32	39.406	42.033	10.0	24.7	0.164	35	43.100	45.974	10.0	24.7	0.179	32	39.406	42.033	10.0	24.7	0.164
	Point 15	21	30	35.416	37.777	8.0	22.7	0.135	34	39.694	42.340	7.5	22.2	0.148	32	37.359	39.849	7.5	22.2	0.139
Total Oxygen Injected per Day (lb/day)			**47.054**						**60.648**						**48.133**					
		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 3	Point 16	21	30	35.416	37.777	8.0	22.7	0.135	31	34.093	36.365	5.0	19.7	0.113	32	37.359	39.849	7.5	22.2	0.139
	Point 17	21	32	38.191	40.737	8.5	23.2	0.149	30	35.416	37.777	8.0	22.7	0.135	30	35.416	37.777	8.0	22.7	0.135
	Point 18	21	32	37.359	39.849	7.5	22.2	0.139	31	36.191	38.604	7.5	22.2	0.135	32	36.936	39.398	7.0	21.7	0.135
	Point 19A	16	30	32.993	35.192	5.0	19.7	0.109	30	33.409	35.636	5.5	20.2	0.113	30	32.993	35.192	5.0	19.7	0.109
	Point 19B	27	28	34.828	37.149	10.5	25.2	0.147	28	34.828	37.149	10.5	25.2	0.147	30	37.315	39.803	10.5	25.2	0.158
	Point 20A	16	28	31.944	34.074	6.5	21.2	0.114	28	31.944	34.074	6.5	21.2	0.114	30	34.226	36.508	6.5	21.2	0.122
	Point 20B	27	28	34.480	36.779	10.0	24.7	0.143	27	33.249	35.465	10.0	24.7	0.138	32	39.406	42.033	10.0	24.7	0.164
	Point 21A	16	30	33.820	36.074	6.0	20.7	0.118	27	30.438	32.467	6.0	20.7	0.106	32	35.636	38.012	5.5	20.2	0.121
	Point 21B	27	28	34.828	37.149	10.5	25.2	0.147	27	33.584	35.823	10.5	25.2	0.142	32	39.803	42.456	10.5	25.2	0.169
	Point 22A	16	28	31.565	33.670	6.0	20.7	0.110	27	30.438	32.467	6.0	20.7	0.106	32	36.074	38.479	6.0	20.7	0.125
Total Oxygen Injected per Day (lb/day)			**41.985**						**39.992**						**44.064**					
		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 4	Point 22B	27	28	35.512	37.879	11.5	26.2	0.156	29	36.428	38.856	11.0	25.7	0.157	30	37.684	40.196	11.0	25.7	0.163
	Point 23A	16	28	30.793	32.846	5.0	19.7	0.102	28	30.793	32.846	5.0	19.7	0.102	30	32.993	35.192	5.0	19.7	0.109
	Point 23B	27	28	34.828	37.149	10.5	25.2	0.147	28	34.828	37.149	10.5	25.2	0.147	32	39.803	42.456	10.5	25.2	0.169
	Point 24A	16	30	37.684	40.196	11.0	25.7	0.163	30	37.684	40.196	11.0	25.7	0.163	30	37.684	40.196	11.0	25.7	0.163
	Point 24B	27	30	33.409	35.636	5.5	20.2	0.113	28	31.182	33.260	5.5	20.2	0.106	30	33.409	35.636	5.5	20.2	0.113
	Point 25A	16	30	37.684	40.196	11.0	25.7	0.163	27	33.915	36.176	11.0	25.7	0.146	30	37.684	40.196	11.0	25.7	0.163
	Point 25B	27	28	31.944	34.074	6.5	21.2	0.114	25	28.522	30.423	6.5	21.2	0.102	30	34.226	36.508	6.5	21.2	0.122
	Point 26A	16	30	36.943	39.406	10.0	24.7	0.153	25	30.786	32.838	10.0	24.7	0.128	32	39.406	42.033	10.0	24.7	0.164
	Point 26B	27	28	31.944	34.074	6.5	21.2	0.114	25	28.522	30.423	6.5	21.2	0.102	32	36.508	38.941	6.5	21.2	0.130
	Point 27A	16	30	33.820	36.074	6.0	20.7	0.118	26	28.954	30.885	5.5	20.2	0.098	30	33.409	35.636	5.5	20.2	0.113
Total Oxygen Injected per Day (lb/day)			**42.988**						**40.039**						**45.072**					
		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 5	Point 27B	25	30	37.315	39.803	10.5	25.2	0.158	27	33.584	35.823	10.5	25.2	0.142	32	39.803	42.456	10.5	25.2	0.169
	Point 28A	27	30	33.820	36.074	6.0	20.7	0.118	26	29.311	31.265	6.0	20.7	0.102	32	36.074	38.479	6.0	20.7	0.125
	Point 28B	16	32	39.406	42.033	10.0	24.7	0.164	26	32.017	34.152	9.5	24.2	0.130	32	39.406	42.033	9.5	24.2	0.160
	Point 29	27	30	35.416	37.777	8.0	22.7	0.135	28	33.055	35.259	8.0	22.7	0.126	32	37.777	40.296	8.0	22.7	0.144
	Point 30	21	30	35.416	37.777	8.0	22.7	0.135	26	30.694	32.740	8.0	22.7	0.117	32	37.777	40.296	8.0	22.7	0.144
	Point 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Oxygen Injected per Day (lb/day)			**22.703**						**19.763**						**23.762**					
System Total Per Day (lb/day)			**65.69**						**59.80**						**68.83**					

Appendix C
Table C-1
Operational Data
Garner Lane 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 2010: 466,330 lbs

	Operational Days		Oxygen Injected Per Month
Month 1	Jul-10	31	6549
Month 2	Aug-10	31	6066
Month 3	Sep-10	30	5696
Total Operational Days In Q3 2010		92	
Total Oxygen in Q3 2010 (Lbs)		18,309.92	
Running Total Through Q3 2010 (Lbs)		484,640.34	

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 = (lb Moles)
lbs = n*32 lb/lb mole
Temperature = Degrees Rankine
R = Constant (10.73)

System Operating Specs
Total of 6 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 800AM
Bank 2 starts injection at 800AM
Bank 2 finishes injection at 816AM

System is recharging 816AM to 900AM
Bank 3 starts injection at 900AM
Bank 3 finishes injection at 916AM
System is recharging from 916AM to 1000AM
Bank 4 starts injection at 1000AM
Bank 4 finishes injection at 1016AM
System is recharging from 1016AM to 1100PM
Bank 5 starts injection at 1100AM
Bank 5 finishes injection at 1116AM
System is recharging from 1116AM to 1200PM
Bank 6 starts injection at 1200PM
Bank 6 finishes injection at 1216PM

System is recharging from 1216AM to 100PM
(Keep repeating cycle for coarse of day)

			7/29/2010						8/31/2010						9/27/2010					
		O2%	68.3						71.5						69.7					
		R	10.73						10.73						10.73					
		Temp R (T)	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
MID PLUME Injection Bank 1	Point 1	25	26	31.363	33.453	9.0	23.7	0.095	24	28.950	30.880	9.0	23.7	0.092	24	28.950	30.880	9.0	23.7	0.090
	Point 2	25	24	28.019	29.887	7.5	22.2	0.080	23	26.852	28.642	7.5	22.2	0.080	26	30.354	32.378	7.5	22.2	0.088
	Point 3	25	26	30.354	32.378	7.5	22.2	0.086	25	29.186	31.132	7.5	22.2	0.087	24	28.019	29.887	7.5	22.2	0.081
	Point 4	25	26	30.010	32.011	7.0	21.7	0.083	25	28.856	30.780	7.0	21.7	0.084	24	27.702	29.548	7.0	21.7	0.079
	Point 5	25	24	27.702	29.548	7.0	21.7	0.077	23	26.547	28.317	7.0	21.7	0.077	26	30.010	32.011	7.0	21.7	0.085
	Point 6	25	26	30.694	32.740	8.0	22.7	0.089	23	27.152	28.962	8.0	22.7	0.083	26	30.694	32.740	8.0	22.7	0.091
	Point 7	25	26	30.010	32.011	7.0	21.7	0.083	25	28.856	30.780	7.0	21.7	0.084	24	27.702	29.548	7.0	21.7	0.079
	Point 8	25	26	30.010	32.011	7.0	21.7	0.083	23	26.547	28.317	7.0	21.7	0.077	24	27.702	29.548	7.0	21.7	0.079
	Point 9	50	26	37.398	39.892	19.0	33.7	0.161	25	35.960	38.357	19.0	33.7	0.163	30	43.152	46.029	19.0	33.7	0.190
	Point 10	25	24	28.019	29.887	7.5	22.2	0.080	24	27.056	28.860	6.0	20.7	0.075	24	28.019	29.887	7.5	22.2	0.081
Total Oxygen Injected per Day (lb/day)			**29.405**						**28.851**						**30.161**					
		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
MID PLUME Injection Bank 2	Point 11	25	24	28.333	30.222	8.0	22.7	0.082	21	24.517	26.151	7.5	22.2	0.073	24	28.333	30.222	8.0	22.7	0.084
	Point 12	50	30	43.152	46.029	19.0	33.7	0.186	24	34.522	36.823	19.0	33.7	0.156	28	40.275	42.960	19.0	33.7	0.177
	Point 13	25	22	25.684	27.396	7.5	22.2	0.073	18	20.776	22.161	7.0	21.7	0.060	24	27.702	29.548	7.0	21.7	0.079
	Point 14	68	30	48.001	51.202	27.0	41.7	0.256	28	44.801	47.788	27.0	41.7	0.251	0	0.000	0.000	29.0	43.7	0.000
	Point 15	25	22	25.972	27.703	8.0	22.7	0.076	17	20.069	21.407	8.0	22.7	0.061	24	28.333	30.222	8.0	22.7	0.084
	Point 16	50	28	39.975	42.640	18.5	33.2	0.170	18	23.684	25.263	13.5	28.2	0.090	28	36.842	39.299	13.5	28.2	0.136
	Point 17	25	20	23.611	25.185	8.0	22.7	0.069	18	21.014	22.415	7.5	22.2	0.063	24	28.019	29.887	7.5	22.2	0.081
	Point 18	66	38	61.886	66.011	28.5	43.2	0.342	28	45.335	48.358	28.0	42.7	0.260	0	0.000	0.000	29.0	43.7	0.000
	Point 19	25	22	25.684	27.396	7.5	22.2	0.073	19	21.930	23.393	7.0	21.7	0.064	24	27.702	29.548	7.0	21.7	0.079
	Point 20	50	30	42.831	45.686	18.5	33.2	0.182	24	33.216	35.431	16.5	31.2	0.139	28	38.753	41.336	16.5	31.2	0.158
Total Oxygen Injected per Day (lb/day)			**48.322**						**38.901**						**28.096**					
		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
MID PLUME Injection Bank 3	Point 21	27	24	28.643	30.553	8.5	23.2	0.085	22	25.972	27.703	8.0	22.7	0.079	22	26.256	28.007	8.5	23.2	0.080
	Point 22	65.5	30	49.139	52.415	29.0	43.7	0.275	48	79.071	84.342	29.5	44.2	0.469	28	46.385	49.477	30.0	44.7	0.271
	Point 23	25	24	28.019	29.887	7.5	22.2	0.080	22	25.393	27.086	7.0	21.7	0.074	22	25.972	27.703	8.0	22.7	0.077
	Point 24	50	24	34.522	36.823	19.0	33.7	0.149	22	30.691	32.738	17.0	31.7	0.130	28	40.275	42.960	19.0	33.7	0.177
	Point 25	25	22	25.684	27.396	7.5	22.2	0.073	22	25.684	27.396	7.5	22.2	0.076	24	28.019	29.887	7.5	22.2	0.081
	Point 26	25	24	27.702	29.548	7.0	21.7	0.077	23	26.547	28.317	7.0	21.7	0.077	22	25.684	27.396	7.5	22.2	0.075
	Point 27	25	22	25.393	27.086	7.0	21.7	0.071	23	26.547	28.317	7.0	21.7	0.077	24	27.702	29.548	7.0	21.7	0.079
	Point 28	25	22	25.393	27.086	7.0	21.7	0.071	23	26.547	28.317	7.0	21.7	0.077	22	25.684	27.396	7.5	22.2	0.075
	Point 29	25	22	25.972	27.703	8.0	22.7	0.076	22	25.972	27.703	8.0	22.7	0.079	22	25.972	27.703	8.0	22.7	0.077
	Point 30	25	22	25.393	27.086	7.0	21.7	0.071	23	25.929	27.657	6.0	20.7	0.072	22	25.684	27.396	7.5	22.2	0.075
Total Oxygen Injected per Day (lb/day)			**32.842**						**38.766**						**34.106**					
		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
TAIL PLUME Injection Bank 4	Point 1	25	28	34.130	36.405	9.5	24.2	0.106	24	29.254	31.204	9.5	24.2	0.095	24	29.254	31.204	9.5	24.2	0.093
	Point 2	27	28	34.480	36.779	10.0	24.7	0.109	24	29.555	31.525	10.0	24.7	0.098	22	27.365	29.189	10.5	25.2	0.090
	Point 3	30	28	35.849	38.239	12.0	26.7	0.123	24	30.728	32.776	12.0	26.7	0.110	22	28.167	30.045	12.0	26.7	0.098
	Point 4	35	26	33.906	36.167	13.0	27.7	0.120	24	31.298	33.384	13.0	27.7	0.116	22	28.690	30.602	13.0	27.7	0.104
	Point 5	35	26	33.599	35.839	12.5	27.2	0.117	23	29.994	31.993	13.0	27.7	0.111	22	28.690	30.602	13.0	27.7	0.104
	Point 6	40	26	35.695	38.075	16.0	30.7	0.140	24	32.408	34.569	15.0	29.7	0.129	24	32.949	35.146	16.0	30.7	0.132
	Point 7	45	26	36.839	39.295	18.0	32.7	0.154	22	31.172	33.250	18.0	32.7	0.137	24	34.006	36.273	18.0	32.7	0.145
	Point 8	45	28	39.673	42.318	18.0	32.7	0.166	26	36.839	39.295	18.0	32.7	0.162	26	36.839	39.295	18.0	32.7	0.157
	Point 9	45	26	36.557	38.994	17.5	32.2	0.151	24	34.006	36.273	18.0	32.7	0.149	24	34.006	36.273	18.0	32.7	0.145
	Point 10	45	26	36.839	39.295	18.0	32.7	0.154	22	29.707	31.688	15.0	29.7	0.118	26	35.109	37.449	15.0	29.7	0.136
Total Oxygen Injected per Day (lb/day)			**42.911**						**39.211**						**38.579**					
		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
TAIL PLUME Injection Bank 5	Point 11	45	24	34.265	36.549	18.5	33.2	0.146	20	28.768	30.686	19.0	33.7	0.130	26	37.398	39.892	19.0	33.7	0.165
	Point 12	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 13	45	28	39.975	42.640	18.5	33.2	0.170	23	32.589	34.761	18.0	32.7	0.143	28	39.975	42.640	18.5	33.2	0.174
	Point 14	40	26	35.695	38.075	16.0	30.7	0.140	22	30.203	32.217	16.0	30.7	0.124	26	35.695	38.075	16.0	30.7	0.143
	Point 15	35	26	34.513	36.814	14.0	28.7	0.127	20	26.548	28.318	14.0	28.7	0.102	24	31.858	33.982	14.0	28.7	0.120
	Point 16	35	26	35.109	37.449	15.0	29.7	0.134	20	27.007	28.807	15.0	29.7	0.108	24	32.408	34.569	15.0	29.7	0.126
	Point 17	35	24	31.298	33.384	13.0	27.7	0.111	16	21.053	22.456	13.5	28.2	0.080	26	34.211	36.491	13.5	28.2	0.126
	Point 18	35	26	33.906	36.167	13.0	27.7	0.120	23	29.994	31.993	13.0	27.7	0.111	24	31.298	33.384	13.0	27.7	0.113
	Point 19	35	24	31.579	33.684	13.5	28.2	0.114	20	26.082	27.820	13.0	27.7	0.097	24	31.579	33.684	13.5	28.2	0.116
	Point 20	30	26	32.659	34.836	11.0	25.7	0.108	21	26.379	28.137	11.0	25.7	0.091	24	30.147	32.157	11.0	25.7	0.101
Total Oxygen Injected per Day (lb/day)			**37.427**						**31.548**						**37.890**					
		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
TAIL PLUME Injection Bank 6	Point 21	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 22	30	28	35.171	37.516	11.0	25.7	0.116	24	30.147	32.157	11.0	25.7	0.104	26	32.659	34.836	11.0	25.7	0.110
	Point 23	30	26	32.659	34.836	11.0	25.7	0.108	22	27.635	29.477	11.0	25.7	0.095	26	32.659	34.836	11.0	25.7	0.110
	Point 24	25	26	30.694	32.740	8.0	22.7	0.089	25	28.522	30.423	6.5	21.2	0.081	28	33.417	35.645	8.5	23.2	0.101
	Point 25	25	26	35.403	37.763	15.5	30.2	0.137	25	31.707	33.821	11.5	26.2	0.111	26	35.695	38.075	16.0	30.7	0.143
	Point 26	25	24	29.254	31.204	9.5	24.2	0.091	22	26.816	28.604	9.5	24.2	0.087	26	32.017	34.152	10.0	24.7	0.103
	Point 27	25	26	31.363	33.453	9.0	23.7	0.095	25	30.156	32.167	9.0	23.7	0.096	24	28.950	30.880	9.0	23.7	0.090
	Point 27A	26	28	35.171	37.516	11.0	25.7	0.116	24	29.852	31.842	10.5	25.2	0.101	28	35.171	37.516	11.0	25.7	0.118
	Point 27B	35	26	33.906	36.167	13.0	27.7	0.120	20	26.316	28.070	13.5	28.2	0.100	30	39.474	42.106	13.5	28.2	0.146
	Point 27C	35	26	34.513	36.814	14.0	28.7	0.127	24	29.555	31.525	10.0	24.7	0.098	30	39.822	42.477	14.0	28.7	0.149
Total Oxygen Injected per Day (lb/day)			**20.335**						**18.385**						**21.029**					
System Total (lb/day)			**211.24**						**195.66**						**189.86**					

Appendix C
Table C-2
Operational Data
9 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 2010 77,888 lbs

	Operational Days		Oxygen Injected Per Month
Month 1	Jul-10	31	4629
Month 2	Aug-10	31	4602
Month 3	Sep-10	30	4230
Total Operational Days In Q3 2010		92	
Total Oxygen in Q3 2010 (Lbs)			13,461.50
Running Total Through Q3 2010 (Lbs)			91,349.84

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 = (lb Moles)
lbs = n*32 lb/lb mole
Temperature = Degrees Rankine
R = Constant (10.73)

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 52 min per day (13 min per cycle * 4 Cycles)

Example
Bank 1 starts at 7AM
Bank 1 finishes injection at 713AM
System is recharging 713AM to 800AM

System is recharging 813AM to 900AM
Bank 3 starts injection at 900AM
Bank 3 finishes injection at 913AM
System is recharging from 913AM to 1000AM
Bank 4 starts injection at 1000AM
Bank 4 finishes injection at 1013AM
System is recharging from 1013AM to 1100PM
Bank 5 starts injection at 1100AM
Bank 5 finishes injection at 1113AM
System is recharging from 1113AM to 1200PM

Bank 6 starts injection at 1200PM
System is recharging from 1213PM to 100PM
(Keep repeating cycle for coarse of day)

** Due to the request of the property owner, the system will not inject during the hours of 800AM and 830AM and 1100AM and 400PM.
The oxygen weights have been adjusted to incorporate this schedule.

			7/28/2010						8/23/2010						9/18/2010					
		O2%	89.9						92.5						87.5					
		R	10.73						10.73						10.73					
		Temp R (T)	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 1A	30	30	37.315	32.340	10.5	25.2	0.129	24	29.852	25.872	10.5	25.2	0.106	24	29.852	25.872	10.5	25.2	0.100
	Point 7A	30	30	36.943	32.017	10	24.7	0.125	24	29.555	25.614	10	24.7	0.103	24	29.555	25.614	10	24.7	0.097
	Point 7B	64	32	49.959	43.297	25	39.7	0.272	30	47.130	40.846	25.5	40.2	0.267	32	50.272	43.569	25.5	40.2	0.269
	Point 13A	25	30	34.627	30.010	7	21.7	0.103	24	27.702	24.008	7	21.7	0.085	24	27.702	24.008	7	21.7	0.080
	Point 13B	52	30	43.788	37.949	20	34.7	0.208	30	43.788	37.949	20	34.7	0.214	30	43.788	37.949	20	34.7	0.203
	Point 19A	25	28	33.055	28.648	8	22.7	0.103	24	28.333	24.555	8	22.7	0.091	24	28.333	24.555	8	22.7	0.086
	Point 19B	44	30	41.852	36.272	17	31.7	0.182	26	36.272	31.435	17	31.7	0.162	28	39.062	33.854	17	31.7	0.165
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total Oxygen Injected per Day (lb/day)		**35.880**						**32.887**						**32.026**					
		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 2	Point 2A	32	28	35.512	30.777	11.5	26.2	0.127	24	30.439	26.380	11.5	26.2	0.112	24	30.439	26.380	11.5	26.2	0.106
	Point 8A	45	28	38.753	33.586	16.5	31.2	0.166	26	35.985	31.187	16.5	31.2	0.158	28	38.753	33.586	16.5	31.2	0.161
	Point 8B	64	30	46.540	40.335	24.5	39.2	0.250	32	49.643	43.024	24.5	39.2	0.274	32	49.643	43.024	24.5	39.2	0.259
	Point 8C	25	26	30.010	26.009	7	21.7	0.089	24	28.019	24.283	7.5	22.2	0.088	24	28.019	24.283	7.5	22.2	0.083
	Point 14A	25	26	30.694	26.601	8	22.7	0.095	24	28.333	24.555	8	22.7	0.091	24	28.333	24.555	8	22.7	0.086
	Point 14B	52	30	43.152	37.398	19	33.7	0.199	32	46.029	39.892	19	33.7	0.219	30	43.152	37.398	19	33.7	0.194
	Point 20A	25	26	30.354	26.307	7.5	22.2	0.092	24	28.019	24.283	7.5	22.2	0.088	24	28.019	24.283	7.5	22.2	0.083
	Point 20B	42	30	41.187	35.695	16	30.7	0.173	26	35.695	30.936	16	30.7	0.154	28	38.441	33.315	16	30.7	0.157
	Total Oxygen Injected per Day (lb/day)		**38.161**						**37.894**						**36.160**					
		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 3	Point 3A	25	26	30.354	26.307	7.5	22.2	0.092	24	28.019	24.283	7.5	22.2	0.088	24	28.019	24.283	7.5	22.2	0.083
	Point 3B	35	26	32.975	28.579	11.5	26.2	0.118	24	30.439	26.380	11.5	26.2	0.112	28	35.512	30.777	11.5	26.2	0.124
	Point 9A	45	26	35.695	30.936	16	30.7	0.150	28	38.441	33.315	16	30.7	0.166	28	38.441	33.315	16	30.7	0.157
	Point 9B	64	32	48.360	41.912	22.5	37.2	0.246	30	45.338	39.293	22.5	37.2	0.238	32	48.360	41.912	22.5	37.2	0.240
	Point 9C	25	26	30.010	26.009	7	21.7	0.089	24	27.702	24.008	7	21.7	0.085	26	30.010	26.009	7	21.7	0.087
	Point 15A	25	26	30.354	26.307	7.5	22.2	0.092	24	28.333	24.555	8	22.7	0.091	26	30.354	26.307	7.5	22.2	0.090
	Point 15B	44	30	40.850	35.403	15.5	30.2	0.169	26	35.403	30.683	15.5	30.2	0.151	28	38.126	33.043	15.5	30.2	0.154
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total Oxygen Injected per Day (lb/day)		**30.651**						**29.771**						**29.904**					
		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 4	Point 4A	25	28	33.055	28.648	8	22.7	0.103	26	30.694	26.601	8	22.7	0.098	24	28.333	24.555	8	22.7	0.086
	Point 4B	39	28	37.168	32.212	14	28.7	0.146	28	37.168	32.212	14	28.7	0.150	26	34.513	29.911	14	28.7	0.132
	Point 10A	45	30	41.521	35.985	16.5	31.2	0.177	32	44.289	38.383	16.5	31.2	0.195	26	35.985	31.187	16.5	31.2	0.150
	Point 10B	64	32	49.959	43.297	25	39.7	0.272	34	53.081	46.004	25	39.7	0.297	32	49.959	43.297	25	39.7	0.264
	Point 10C	25	28	33.055	28.648	8	22.7	0.103	28	33.055	28.648	8	22.7	0.106	24	28.333	24.555	8	22.7	0.086
	Point 16A	25	28	32.319	28.009	7	21.7	0.096	26	30.010	26.009	7	21.7	0.092	24	27.702	24.008	7	21.7	0.080
	Point 16B	47	30	42.181	36.557	17.5	32.2	0.186	28	39.369	34.120	17.5	32.2	0.179	30	42.181	36.557	17.5	32.2	0.181
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total Oxygen Injected per Day (lb/day)		**34.660**						**35.735**						**31.330**					
		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 5	Point 5A	25	28	32.319	28.009	7	21.7	0.096	26	30.010	26.009	7	21.7	0.092	24	27.702	24.008	7	21.7	0.080
	Point 5B	42	28	37.168	32.212	14	28.7	0.146	30	40.168	34.812	14.5	29.2	0.165	28	37.490	32.491	14.5	29.2	0.146
	Point 11A	45	28	38.753	33.586	16.5	31.2	0.166	30	41.521	35.985	16.5	31.2	0.183	28	38.753	33.586	16.5	31.2	0.161
	Point 11B	64	30	45.943	39.817	23.5	38.2	0.240	32	49.006	42.472	23.5	38.2	0.264	32	49.006	42.472	23.5	38.2	0.250
	Point 17A	25	26	30.354	26.307	7.5	22.2	0.092	24	28.019	24.283	7.5	22.2	0.088	24	28.019	24.283	7.5	22.2	0.083
	Point 17B	45	28	39.062	33.854	17	31.7	0.170	28	39.062	33.854	17	31.7	0.175	26	36.272	31.435	17	31.7	0.153
	Point 21A	25	26	30.694	26.601	8	22.7	0.095	24	28.333	24.555	8	22.7	0.091	24	28.333	24.555	8	22.7	0.086
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total Oxygen Injected per Day (lb/day)		**32.184**						**33.810**						**30.689**					
		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 6	Point 6A	30	28	33.055	28.648	8	22.7	0.103	24	28.019	24.283	7.5	22.2	0.088	26	30.354	26.307	7.5	22.2	0.090
	Point 6B	52	28	40.275	34.905	19	33.7	0.186	30	43.471	37.675	19.5	34.2	0.210	32	46.369	40.186	19.5	34.2	0.211
	Point 12A	25	26	30.694	26.601	8	22.7	0.095	26	30.354	26.307	7.5	22.2	0.095	24	28.019	24.283	7.5	22.2	0.083
	Point 12B	54	28	41.453	35.926	21	35.7	0.203	30	44.414	38.492	21	35.7	0.224	32	47.375	41.058	21	35.7	0.226
	Point 18A	25	28	33.055	28.648	8	22.7	0.103	24	28.333	24.555	8	22.7	0.091	24	28.333	24.555	8	22.7	0.086
	Point 18B	45	30	41.852	36.272	17	31.7	0.182	28	39.062	33.854	17	31.7	0.175	30	41.852	36.272	17	31.7	0.177
	Point 21B	42	30	40.168	34.812	14.5	29.2	0.161	28	37.810	32.768	15	29.7	0.158	30	40.510	35.109	15	29.7	0.160
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total Oxygen Injected per Day (lb/day)		**33.031**						**33.257**						**33.053**					
	System Total (lb/day)		**204.57**						**203.35**						**193.16**					

Appendix C
Table C-3
Operational Data
34 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 2010 127,078 lbs

	Operational Days		Oxygen Injected Per Month
Month 1	Jul-10	31	6262
Month 2	Aug-10	31	5555
Month 3	Sep-10	30	6115

Total Operational Days In Q3 2010 92
Total Oxygen in Q3 2010 (Lbs) 17,932.11
Running Total Through Q3 3010 (Lbs) 145,009.68

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 = (lb Moles)
lbs = n*32 lb/lb mole
Temperature = Degrees Rankine
R = Constant (10.73)

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 52 min per day (13 min per cycle * 4 Cycles)

Example
Bank 1 starts at 7AM
Bank 1 finishes injection at 713AM
System is recharging 713AM to 800AM

System is recharging 813AM to 900AM
Bank 3 starts injection at 900AM
Bank 3 finishes injection at 913AM
System is recharging from 913AM to 1000AM
Bank 4 starts injection at 1000AM
Bank 4 finishes injection at 1013AM
System is recharging from 1013AM to 1100PM
Bank 5 starts injection at 1100AM
Bank 5 finishes injection at 1113AM
System is recharging from 1113AM to 1200PM

Bank 6 starts injection at 1200PM
System is recharging from 1213PM to 100PM
(Keep repeating cycle for coarse of day)

			7/26/2010						8/24/2010						9/20/2010					
		O2%	90						87.4						86.6					
		R	10.73						10.73						10.73					
		Temp R (T)	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 1A	65	28	44.532	38.594	26.5	41.2	0.252	24	37.938	32.880	26	40.7	0.206	46	73.160	63.405	26.5	41.2	0.398
	Point 1B	45	28	39.062	33.854	17	31.7	0.170	26	36.272	31.435	17	31.7	0.153	25	34.322	29.746	16	30.7	0.139
	Point 2	30	26	33.906	29.385	13	27.7	0.129	26	33.599	29.119	12.5	27.2	0.122	24	31.298	27.125	13	27.7	0.114
	Point 13A	65	26	40.077	34.733	24	38.7	0.213	25	38.535	33.397	24	38.7	0.199	28	43.160	37.405	24	38.7	0.220
	Point 13B	45	26	35.695	30.936	16	30.7	0.150	24	32.949	28.556	16	30.7	0.135	21	28.831	24.987	16	30.7	0.117
	Point 14	30	26	32.017	27.748	10	24.7	0.108	22	26.816	23.241	9.5	24.2	0.086	16	19.703	17.076	10	24.7	0.064
	Point 25A	45	26	32.659	28.305	11	25.7	0.115	22	25.684	22.260	7.5	22.2	0.076	21	23.674	20.517	6	20.7	0.065
	Point 25B	30	26	32.017	27.748	10	24.7	0.108	25	30.786	26.681	10	24.7	0.101	22	27.092	23.479	10	24.7	0.088
Total Oxygen Injected per Day (lb/day)			**39.852**						**34.482**						**38.584**					
		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 2	Point 3A	65	28	43.988	38.123	25.5	40.2	0.243	26	40.846	35.400	25	39.7	0.222	14	21.994	19.062	25	39.7	0.120
	Point 3B	45	28	37.810	32.768	15	29.7	0.154	21	28.357	24.576	15	29.7	0.116	37	49.963	43.301	15	29.7	0.204
	Point 4	30	26	32.017	27.748	10	24.7	0.108	26	32.017	27.748	10	24.7	0.108	32	39.406	34.152	10	24.7	0.133
	Point 15A	65	28	42.880	37.163	23.5	38.2	0.225	22	33.691	29.199	23	37.7	0.174	29	44.411	38.490	23	37.7	0.230
	Point 15B	45	28	38.441	33.315	16	30.7	0.162	21	28.831	24.987	16	30.7	0.121	27	37.068	32.126	16	30.7	0.156
	Point 16	30	26	31.363	27.181	9	23.7	0.102	28	33.775	29.272	9.5	24.2	0.112	36	43.425	37.635	9	23.7	0.141
	Point 26A	45	28	34.480	29.883	10	24.7	0.117	18	22.166	19.210	14	28.7	0.087	28	34.480	29.883	16	30.7	0.145
	Point 26B	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Oxygen Injected per Day (lb/day)			**35.530**						**30.124**						**36.124**					
		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 3	Point 5A	65	28	44.801	38.828	27	41.7	0.256	27	43.201	37.441	27	41.7	0.240	28	44.801	38.828	27	41.7	0.247
	Point 5B	45	28	38.753	33.586	16.5	31.2	0.166	28	38.441	33.315	16	30.7	0.157	30	41.187	35.695	16	30.7	0.167
	Point 6	30	26	30.694	26.601	8	22.7	0.096	28	33.055	28.648	8	22.7	0.100	30	35.416	30.694	8	22.7	0.106
	Point 17A	65	26	40.077	34.733	24	38.7	0.213	24	36.270	31.434	22.5	37.2	0.180	29	44.701	38.741	24	38.7	0.228
	Point 17B	45	28	38.753	33.586	16.5	31.2	0.166	29	39.814	34.505	16	30.7	0.163	27	37.068	32.126	16	30.7	0.150
	Point 18	30	28	34.480	29.883	10	24.7	0.117	27	32.911	28.523	9.5	24.2	0.106	26	31.692	27.466	9.5	24.2	0.101
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Oxygen Injected per Day (lb/day)			**32.416**						**30.262**						**31.976**					
		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 4	Point 7A	65	28	44.261	38.359	26	40.7	0.247	26	41.099	35.619	26	40.7	0.223	31	49.003	42.469	26	40.7	0.263
	Point 7B	45	28	38.753	33.586	16.5	31.2	0.166	24	32.680	28.323	15.5	30.2	0.131	28	38.753	33.586	16.5	31.2	0.160
	Point 8	30	28	34.480	29.883	10	24.7	0.117	24	29.555	25.614	10	24.7	0.097	29	36.071	31.262	10.5	25.2	0.120
	Point 19A	65	26	40.846	35.400	25.5	40.2	0.225	21	32.991	28.592	25.5	40.2	0.177	29	45.559	39.485	25.5	40.2	0.242
	Point 19B	45	30	41.521	35.985	16.5	31.2	0.178	29	40.137	34.785	16.5	31.2	0.167	28	38.753	33.586	16.5	31.2	0.160
	Point 20	30	28	34.480	29.883	10	24.7	0.117	27	33.249	28.816	10	24.7	0.109	28	34.480	29.883	10	24.7	0.112
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Oxygen Injected per Day (lb/day)			**33.582**						**28.938**						**33.806**					
		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 5	Point 9A	65	28	44.532	38.594	26.5	41.2	0.252	27	42.942	37.216	26.5	41.2	0.236	30	47.713	41.351	26.5	41.2	0.259
	Point 9B	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 10	30	28	34.130	29.579	9.5	24.2	0.113	33	40.224	34.861	9.5	24.2	0.130	32	39.005	33.805	9.5	24.2	0.125
	Point 21A	65	28	43.714	37.885	25	39.7	0.238	26	40.591	35.179	25	39.7	0.215	29	45.275	39.238	25	39.7	0.237
	Point 21B	45	26	35.695	30.936	16	30.7	0.150	25	34.322	29.746	16	30.7	0.140	31	42.559	36.885	16	30.7	0.172
	Point 22	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Oxygen Injected per Day (lb/day)			**24.104**						**23.049**						**25.397**					
		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 6	Point 11A	65	30	47.130	40.846	25.5	40.2	0.260	31	48.701	42.208	25.5	40.2	0.261	36	56.556	49.015	25.5	40.2	0.300
	Point 11B	45	28	38.753	33.586	16.5	31.2	0.166	25	34.600	29.987	16.5	31.2	0.144	34	47.057	40.782	16.5	31.2	0.194
	Point 12	30	26	32.017	27.748	10	24.7	0.108	23	28.323	24.547	10	24.7	0.093	28	34.480	29.883	10	24.7	0.112
	Point 23	65	30	47.422	41.099	26	40.7	0.265	24	37.704	32.677	25.5	40.2	0.202	30	47.130	40.846	25.5	40.2	0.250
	Point 24A	55	30	44.414	38.492	21	35.7	0.217	28	41.453	35.926	21	35.7	0.197	30	44.414	38.492	21	35.7	0.209
	Point 24B	30	30	36.943	32.017	10	24.7	0.125	28	34.480	29.883	10	24.7	0.113	30	36.943	32.017	10	24.7	0.120
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Oxygen Injected per Day (lb/day)			**36.529**						**32.325**						**37.950**					
System Total (lb/day)			**202.01**						**179.18**						**203.84**					

Appendix C
Table C-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 2010: 107,383 lbs

	Operational Days		Oxygen Injected Per Month
Month 1	Jul-10	30	5843
Month 2	Aug-10	29	9557
Month 3	Sep-10	30	9222

Total Operational Days In Q3 2010: 89
Total Oxygen in Q3 2010 (Lbs): 24,621.19
Running Total Through Q3 2010 (Lbs): 132,004.52

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 = (lb Moles)
lbs = n*32 lb/lb mole
Temperature = Degrees Rankine
R = Constant (10.73)

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 713AM
System is recharging 713AM to 800AM

System is recharging 813AM to 900AM
Bank 3 starts injection at 900AM
Bank 3 finishes injection at 913AM
System is recharging from 913AM to 1000AM
Bank 4 starts injection at 1000AM
Bank 4 finishes injection at 1013AM
System is recharging from 1013AM to 1100PM
Bank 5 starts injection at 1100AM
Bank 5 finishes injection at 1113AM
System is recharging from 1113AM to 1200PM

Bank 6 starts injection at 1200PM
System is recharging from 1213PM to 100PM
(Keep repeating cycle for coarse of day)

Notes:
The system was down on 7/25/10, 8/16/10, and 8/19/10 due to a problem with the oxygen booster pump.

			8/2/2010						8/26/2010						9/30/2010					
		O2%	89.2						94.7						91.2					
		R	10.73						10.73						10.73					
		Temp R (T)	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 1A	62	30	45.641	39.556	23	37.7	0.234	30	45.641	39.556	23	37.7	0.248	30	45.641	39.556	23	37.7	0.239
	Point 1B	46	24	32.949	28.556	16	30.7	0.138	24	32.949	28.556	16	30.7	0.146	24	32.949	28.556	16	30.7	0.141
	Point 6A	65	30	46.243	40.077	24	38.7	0.243	30	46.243	40.077	24	38.7	0.258	30	46.243	40.077	24	38.7	0.249
	Point 6B	46	26	35.985	31.187	16.5	31.2	0.153	24	32.949	28.556	16	30.7	0.146	24	32.949	28.556	16	30.7	0.141
	Point 11	46	26	35.985	31.187	16.5	31.2	0.153	24	33.216	28.788	16.5	31.2	0.150	26	35.695	30.936	16	30.7	0.152
	Point 35	41	24	31.298	27.125	13	27.7	0.118	26	33.906	29.385	13	27.7	0.136	24	31.298	27.125	13	27.7	0.120
	Point 40	41	24	31.579	27.369	13.5	28.2	0.121	24	31.579	27.369	13.5	28.2	0.129	24	31.579	27.369	13.5	28.2	0.124
	Point 45	31	24	28.950	25.090	9	23.7	0.093	24	28.950	25.090	9	23.7	0.099	24	28.950	25.090	9	23.7	0.095
	Total Oxygen Injected per Day (lb/day)		**40.067**						**41.959**						**40.352**					
	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 2	Point 2A	67	32	49.959	43.297	25	39.7	0.270	30	46.836	40.591	25	39.7	0.268	30	46.836	40.591	25	39.7	0.258
	Point 2B	46	26	35.985	31.187	16.5	31.2	0.153	24	33.216	28.788	16.5	31.2	0.150	24	32.949	28.556	16	30.7	0.141
	Point 7A	65	32	49.643	43.024	24.5	39.2	0.265	30	46.540	40.335	24.5	39.2	0.263	28	43.714	37.885	25	39.7	0.241
	Point 7B	46	26	35.985	31.187	16.5	31.2	0.153	26	35.985	31.187	16.5	31.2	0.162	24	32.949	28.556	16	30.7	0.141
	Point 12	46	24	33.216	28.788	16.5	31.2	0.141	24	33.216	28.788	16.5	31.2	0.150	26	35.985	31.187	16.5	31.2	0.156
	Point 36	36	26	32.659	28.305	11	25.7	0.114	24	30.147	26.127	11	25.7	0.112	24	30.147	26.127	11	25.7	0.108
	Point 41	41	24	31.858	27.610	14	28.7	0.124	24	31.579	27.369	13.5	28.2	0.129	26	34.211	29.649	13.5	28.2	0.134
	Point 46	36	24	30.147	26.127	11	25.7	0.105	24	30.439	26.380	11.5	26.2	0.115	24	30.439	26.380	11.5	26.2	0.111
	Total Oxygen Injected per Day (lb/day)		**42.367**						**43.144**						**41.263**					
	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 3	Point 3A	24.75	30	46.540	40.335	24.5	39.2	0.248	30	46.540	40.335	24.5	39.2	0.263	30	46.540	40.335	24.5	39.2	0.254
	Point 3B	16.5	24	32.949	28.556	16	30.7	0.138	24	32.949	28.556	16	30.7	0.146	22	30.203	26.176	16	30.7	0.129
	Point 8A	28.5	30	49.139	42.587	29	43.7	0.292	30	48.574	42.097	28	42.7	0.299	30	48.857	42.343	28.5	43.2	0.293
	Point 8B	16.5	22	30.203	26.176	16	30.7	0.126	24	32.949	28.556	16	30.7	0.146	20	27.458	23.797	16	30.7	0.117
	Point 32A	24.25	30	45.943	39.817	23.5	38.2	0.239	30	45.943	39.817	23.5	38.2	0.253	30	45.943	39.817	23.5	38.2	0.244
	Point 32B	11.5	24	30.147	26.127	11	25.7	0.105	22	27.635	23.950	11	25.7	0.102	24	30.147	26.127	11	25.7	0.108
	Point 37	13.5	24	31.579	27.369	13.5	28.2	0.121	24	31.298	27.125	13	27.7	0.125	24	31.298	27.125	13	27.7	0.120
	Point 42	11.75	24	30.439	26.380	11.5	26.2	0.108	22	27.902	24.182	11.5	26.2	0.106	24	30.147	26.127	11	25.7	0.108
	Total Oxygen Injected per Day (lb/day)		**44.059**						**46.112**						**43.927**					
	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 4	Point 4A	69	30	47.713	41.351	26.5	41.2	0.267	30	47.713	41.351	26.5	41.2	0.284	30	47.713	41.351	26.5	41.2	0.273
	Point 4B	46	26	35.985	31.187	16.5	31.2	0.153	24	33.216	28.788	16.5	31.2	0.150	26	35.985	31.187	16.5	31.2	0.156
	Point 9A	71	30	48.001	41.601	27	41.7	0.272	32	51.202	44.375	27	41.7	0.308	30	48.001	41.601	27	41.7	0.278
	Point 9B	46	26	35.985	31.187	16.5	31.2	0.153	26	35.985	31.187	16.5	31.2	0.162	26	35.985	31.187	16.5	31.2	0.156
	Point 33	42	26	34.513	29.911	14	28.7	0.135	24	31.579	27.369	13.5	28.2	0.129	24	31.579	27.369	13.5	28.2	0.124
	Point 38	36	24	30.147	26.127	11	25.7	0.105	24	30.147	26.127	11	25.7	0.112	24	30.147	26.127	11	25.7	0.108
	Point 43	31	24	29.254	25.353	9.5	24.2	0.096	24	28.950	25.090	9	23.7	0.099	24	28.950	25.090	9	23.7	0.095
	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total Oxygen Injected per Day (lb/day)		**37.785**						**39.769**						**38.090**					
	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 5	Point 5A	65	30	46.836	40.591	25	39.7	0.253	30	46.836	40.591	25	39.7	0.268	30	46.836	40.591	25	39.7	0.258
	Point 5B	46	30	41.187	35.695	16	30.7	0.172	30	41.187	35.695	16	30.7	0.182	30	41.187	35.695	16	30.7	0.176
	Point 10	56	30	44.102	38.222	20.5	35.2	0.211	30	44.102	38.222	20.5	35.2	0.224	28	41.162	35.674	20.5	35.2	0.201
	Point 34	41	26	33.599	29.119	12.5	27.2	0.124	24	31.014	26.879	12.5	27.2	0.122	24	31.014	26.879	12.5	27.2	0.117
	Point 39	26	24	27.381	23.730	6.5	21.2	0.079	24	27.702	24.008	7	21.7	0.087	22	25.099	21.752	6.5	21.2	0.074
	Point 44	36	26	32.659	28.305	11	25.7	0.114	24	30.147	26.127	11	25.7	0.112	24	30.147	26.127	11	25.7	0.108
	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total Oxygen Injected per Day (lb/day)		**30.493**						**31.846**						**29.902**					
	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 6	Point 16	40	24	32.408	28.087	15	29.7	0.139	24	32.408	28.087	15	29.7	0.139	24	32.408	28.087	15	29.7	0.134
	Point 19	40	24	31.858	27.610	14	28.7	0.132	24	32.134	27.850	14.5	29.2	0.135	24	32.134	27.850	14.5	29.2	0.130
	Point 22	40	24	31.858	27.610	14	28.7	0.132	24	31.858	27.610	14	28.7	0.132	26	34.513	29.911	14	28.7	0.138
	Point 25A	60	30	45.641	39.556	23	37.7	0.248	30	45.943	39.817	23.5	38.2	0.253	30	45.943	39.817	23.5	38.2	0.244
	Point 25B	29	22	26.816	23.241	9.5	24.2	0.094	22	26.816	23.241	9.5	24.2	0.094	24	29.254	25.353	9.5	24.2	0.098
	Point 28	50	28	39.975	34.645	18.5	33.2	0.192	30	42.831	37.120	18.5	33.2	0.205	30	42.831	37.120	18.5	33.2	0.198
	Point 31A	69	30	48.288	41.850	27.5	42.2	0.294	30	48.001	41.601	27	41.7	0.289	30	48.001	41.601	27	41.7	0.278
	Point 31B	40	24	32.134	27.850	14.5	29.2	0.135	24	32.134	27.850	14.5	29.2	0.135	24	32.134	27.850	14.5	29.2	0.130
	Total Oxygen Injected per Day (lb/day)		**43.707**						**44.248**						**43.214**					
	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 7	Point 14	39	26	35.109	30.428	15	29.7	0.150	24	32.680	28.323	15.5	30.2	0.142	24	32.680	28.323	15.5	30.2	0.137
	Point 17	40	26	33.288	28.850	12	26.7	0.128	26	33.599	29.119	12.5	27.2	0.132	26	33.599	29.119	12.5	27.2	0.127
	Point 20	40	28	37.810	32.768	15	29.7	0.162	24	32.134	27.850	14.5	29.2	0.135	24	32.134	27.850	14.5	29.2	0.130
	Point 23	40	26	34.513	29.911	14	28.7	0.143	26	34.513	29.911	14	28.7	0.143	26	34.211	29.649	13.5	28.2	0.134
	Point 26A	60	30	45.641	39.556	23	37.7	0.248	30	45.641	39.556	23	37.7	0.248	30	45.641	39.556	23	37.7	0.239
	Point 26B	29	26	33.599	29.119	12.5	27.2	0.132	24	31.014	26.879	12.5	27.2	0.122	24	36.754	31.854	23.5	38.2	0.195
	Point 29A	66	32	50.272	43.569	25.5	40.2	0.292	30	47.130	40.846	25.5	40.2	0.273	30	47.130	40.846	25.5	40.2	0.263
	Point 29B	40	24	32.134	27.850	14.5	29.2	0.135	26	34.812	30.170	14.5	29.2	0.147	24	32.134	27.850	14.5	29.2	0.130
	Total Oxygen Injected per Day (lb/day)		**44.514**						**42.973**						**43.415**					
	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 8	Point 13	40	28	38.126	33.043	15.5	30.2	0.166	24	32.680	28.323	15.5	30.2	0.142	24	32.408	28.087	15	29.7	0.134
	Point 15	40	26	35.109	30.428	15	29.7	0.150	24	32.408	28.087	15	29.7	0.139	24	32.408	28.087	15	29.7	0.134
	Point 18	40	0	0.000	0.000	0	14.7	0.000	0	0.000	0.000	0	14.7	0.000	-	-	-	-	-	-
	Point 21	40	26	34.513	29.911	14	28.7	0.143	24	31.579	27.369	13.5	28.2	0.129	24	31.858	27.610	14	28.7	0.127
	Point 24	55	30	44.102	38.222	20.5	35.2	0.224	30	44.102	38.222	20.5	35.2	0.224	28	-	-	20.5	-	-
	Point 27A	65	30	46.836	40.591	25	39.7	0.268	30	46.836	40.591	25	39.7	0.268	30	46.836	40.591	25	39.7	0.258
	Point 27B	33	24	30.728	26.631	12	26.7	0.118	24	31.014	26.879	12.5	27.2	0.122	24	-	-	12	-	-
	Point 30	50	32	46.029	39.892	19	33.7	0.224	30	43.152	37.398	19	33.7	0.210	30	42.831	37.120	18.5	33.2	0.198
	Total Oxygen Injected per Day (lb/day)		**41.417**						**39.484**						**27.222**					
	System Total (lb/day)		**194.77**						**329.53**						**307.38**					

Appendix C
Table C-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)

233

Weight of Oxygen Injected through Q2 2010

20,520 lbs

	Operational Days		Oxygen Injected Per Month (Lbs)
Month 1	Jul-10	31	5076
Month 2	Aug-10	28	4952
Month 3	Sep-10	28	4158
Total Operational Days In Q3 2010		86	
Total Oxygen in Q3 2010 (Lbs)		14,186.51	
Running Total Through Q3 2010 (Lbs)		34,706.58	

			7/29/2010						8/23/2010						9/21/2010					
	O2%		93.2						95.7						90.9					
	R		10.73						10.73						10.73					
	Temp R (T)		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	39	28	39.062	78.124	17.0	31.7	0.406	30	41.852	83.704	17.0	31.7	0.447	24	33.482	66.963	17.0	31.7	0.357
	Point 2	19	24	28.333	56.666	8.0	22.7	0.211	24	28.333	56.666	8.0	22.7	0.216	23	27.152	54.304	8	22.7	0.197
	Point 3	39	30	41.852	83.704	17.0	31.7	0.435	30	41.852	83.704	17.0	31.7	0.447	26	36.272	72.543	17	31.7	0.368
	Point 4	19	24	28.333	56.666	8.0	22.7	0.211	22	25.972	51.943	8.0	22.7	0.198	21	24.791	49.582	8.0	22.7	0.180
	Point 5	44	30	43.152	86.304	19.0	33.7	0.477	30	43.152	86.304	19.0	33.7	0.489	26	37.398	74.797	19	33.7	0.403
	Point 6	19	22	25.393	50.786	7.0	21.7	0.181	24	27.702	55.403	7.0	21.7	0.202	20	23.349	46.698	7.5	22.2	0.166
	Point 7	44	28	40.573	81.146	19.5	34.2	0.455	30	43.471	86.942	19.5	34.2	0.500	26	37.675	75.350	19.5	34.2	0.412
	Point 8	19	24	26.394	52.788	5.0	19.7	0.170	26	28.594	57.188	5.0	19.7	0.190	19	20.895	41.791	5.0	19.7	0.132
Total Oxygen Injected per Day (lb/day)			**81.435**						**86.068**						**70.843**					
		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 2	Point 9	44	28	40.275	80.550	19.0	33.7	0.445	30	43.152	86.304	19.0	33.7	0.489	28	40.275	80.550	19.0	33.7	0.434
	Point 10	19	26	30.354	60.708	7.5	22.2	0.221	24	28.333	56.666	8.0	22.7	0.216	26	30.694	61.388	8.0	22.7	0.223
	Point 11	44	28	39.975	79.951	18.5	33.2	0.435	30	43.152	86.304	19.0	33.7	0.489	30	43.152	86.304	19.0	33.7	0.465
	Point 12	19	24	28.019	56.038	7.5	22.2	0.204	26	30.354	60.708	7.5	22.2	0.227	25	29.186	58.373	7.5	22.2	0.207
	Point 13	44	28	40.275	80.550	19.0	33.7	0.445	30	43.152	86.304	19.0	33.7	0.489	21	30.430	60.859	19.5	34.2	0.333
	Point 14	19	24	27.056	54.112	6.0	20.7	0.184	24	27.056	54.112	6.0	20.7	0.188	23	26.240	52.480	6.5	21.2	0.178
	Point 15	44	28	39.975	79.951	18.5	33.2	0.435	32	45.686	91.372	18.5	33.2	0.510	28	40.275	80.550	19.0	33.7	0.434
	Point 16	19	24	28.019	56.038	7.5	22.2	0.204	26	30.354	60.708	7.5	22.2	0.227	18	21.250	42.499	8.0	22.7	0.154
Total Oxygen Injected per Day (lb/day)			**82.303**						**90.795**						**77.673**					
System Total Per Day (lb/day)			**163.74**						**176.86**						**148.52**					

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 = (lb Moles)
lbs = n*32 lb/lb mole
Temperature = Degrees Rankine
R = Constant (10.73)

*** - 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 coarse of day)

System went down briefly on 4/19/10 and 6/30/10 due to power loss.

Notes:
System went down from 8/18/10 through 8/20/10 due to a problem with the oxygen generator.
System went down on 9/23/10 through 9/25/10 due to power failure.

Appendix D
Table D-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)

**** System Decommissioned in July 2010**

Weight of Oxygen Injected through Q2 2010

187,793 lbs

	Operational Days		Oxygen Injected Per Month (Lbs)
Month 1	Jul-10	19	1460
Month 2	Aug-10	0	0
Month 3	Sep-10	0	0
Total Operational Days In Q3 2010		19	
Total Oxygen in Q3 2010 (Lbs)			1,460.07
Running Total Through Q3 2010 (Lbs)			189,253.07

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 = (lb Moles)
lbs = n*32 lb/lb mole
Temperature = Degrees Rankine
R = Constant (0.73)

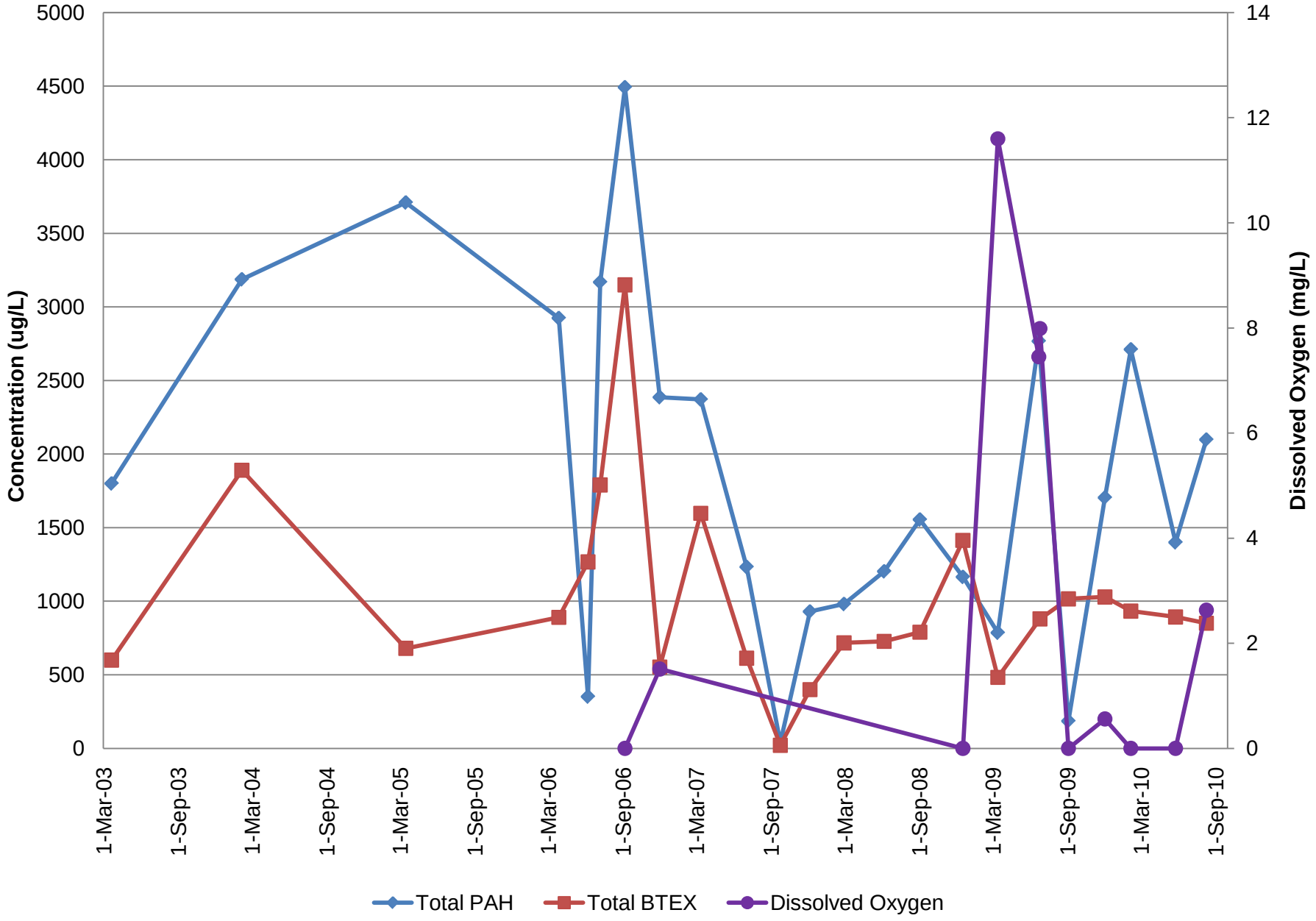
			7/7/2010					
		O2%	89.6					
		R	10.73					
		Temp R (T)	530					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 1	Point 1	-	33	36.750	73.500	5.5	20.2	0.234
	Point 2	-	22	24.500	49.000	5.5	20.2	0.156
	Point 3	-	20	22.273	44.545	5.5	20.2	0.142
	Point 4	-	17	18.932	37.863	5.5	20.2	0.121
	Point 5	-	13	14.477	28.954	5.5	20.2	0.092
	Point 6	-	15	16.704	33.409	5.5	20.2	0.106
	Point 7	-	32	36.508	73.015	6.5	21.2	0.244
	Point 8	-	16	18.254	36.508	6.5	21.2	0.122
Total Oxygen Injected per Day (lb/day)			**38.926**					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 2	Point 9	-	25	27.841	55.681	5.5	20.2	0.177
	Point 10	-	25	28.183	56.366	6.0	20.7	0.184
	Point 11	-	17	18.696	37.392	5.0	19.7	0.116
	Point 12	-	18	20.045	40.091	5.5	20.2	0.128
	Point 13	-	19	20.895	41.791	5.0	19.7	0.130
	Point 14	-	26	28.594	57.188	5.0	19.7	0.178
	Point 15	-	17	18.696	37.392	5.0	19.7	0.116
	Point 16	-	23	25.294	50.589	5.0	19.7	0.157
Total Oxygen Injected per Day (lb/day)			**37.920**					
System Total Per Day (lb/day)			**76.85**					

System Operating Specs

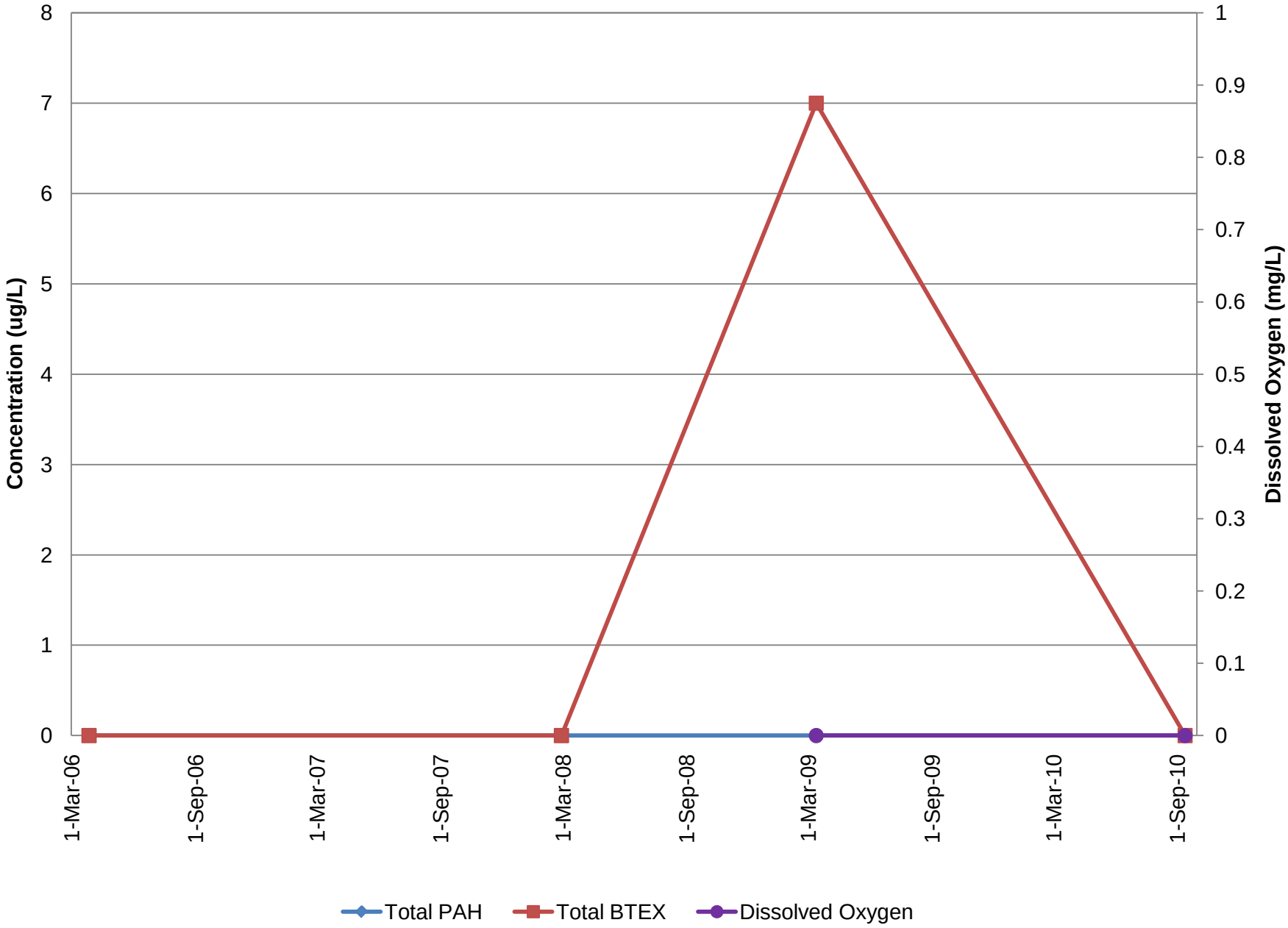
Total of 2 injection banks
Oxygen is injected for 10 minutes during each injection cycle
Each injection bank operates for 12 injection cycles per day
Each injection point injects oxygen for 120 min per day (10 min per cycle * 12 Cycles)
The system was shut down and abandoned on July 19, 2010.

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 coarse of day)

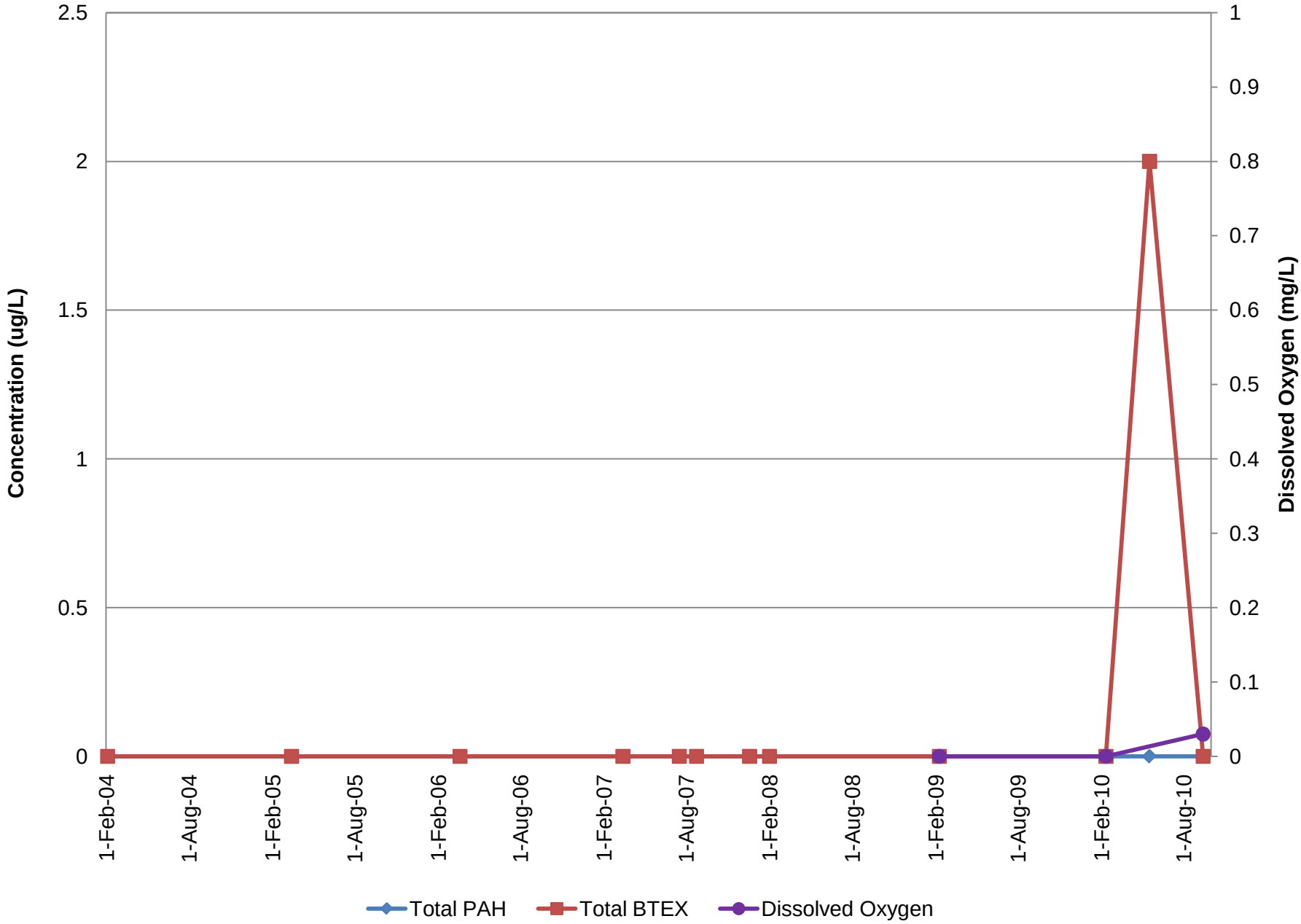
Monitoring Well BBMW-05D
64-74 ft bgs



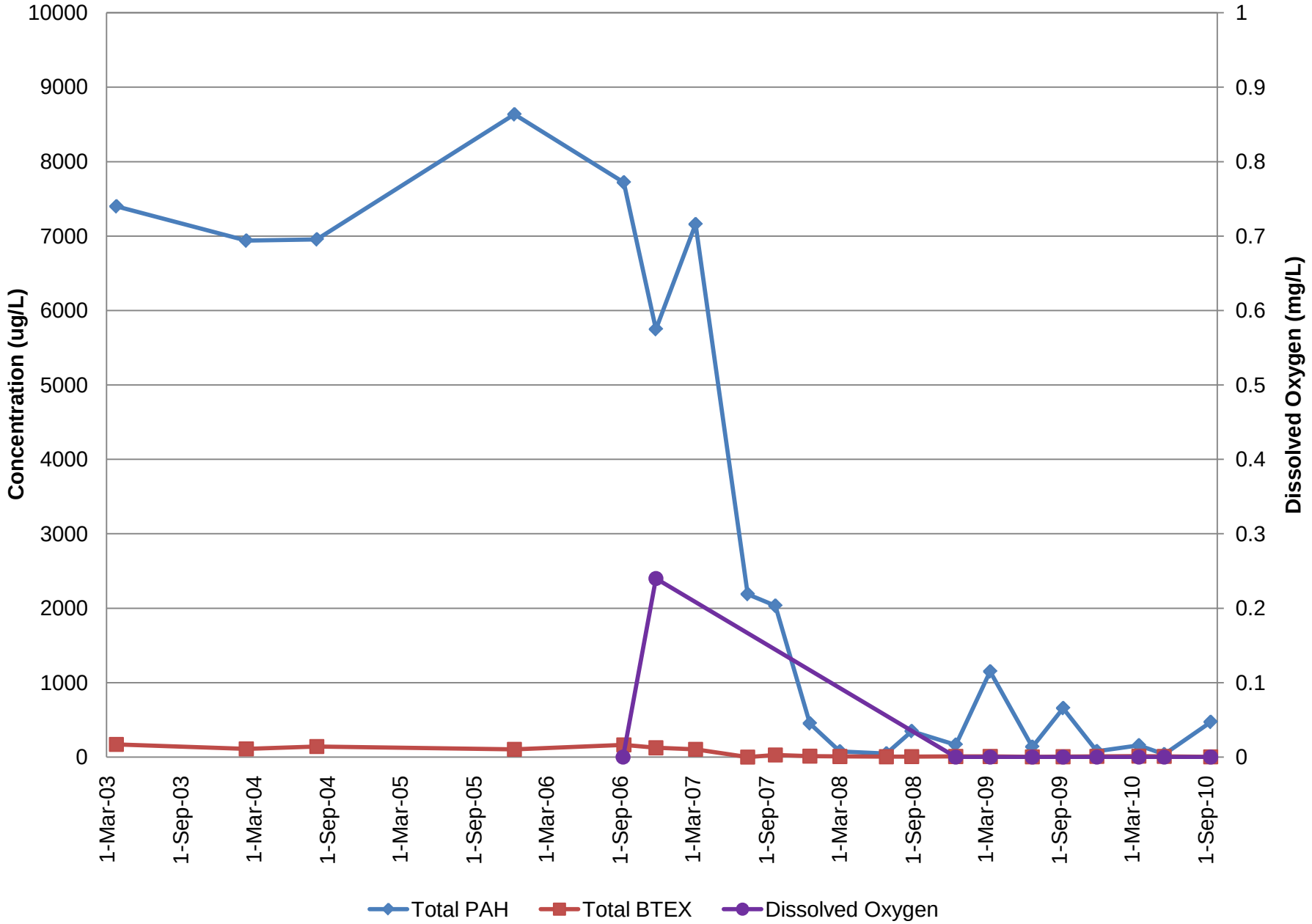
Monitoring Well BBMW-05D2/D2R
126.5-136.57 ft bgs



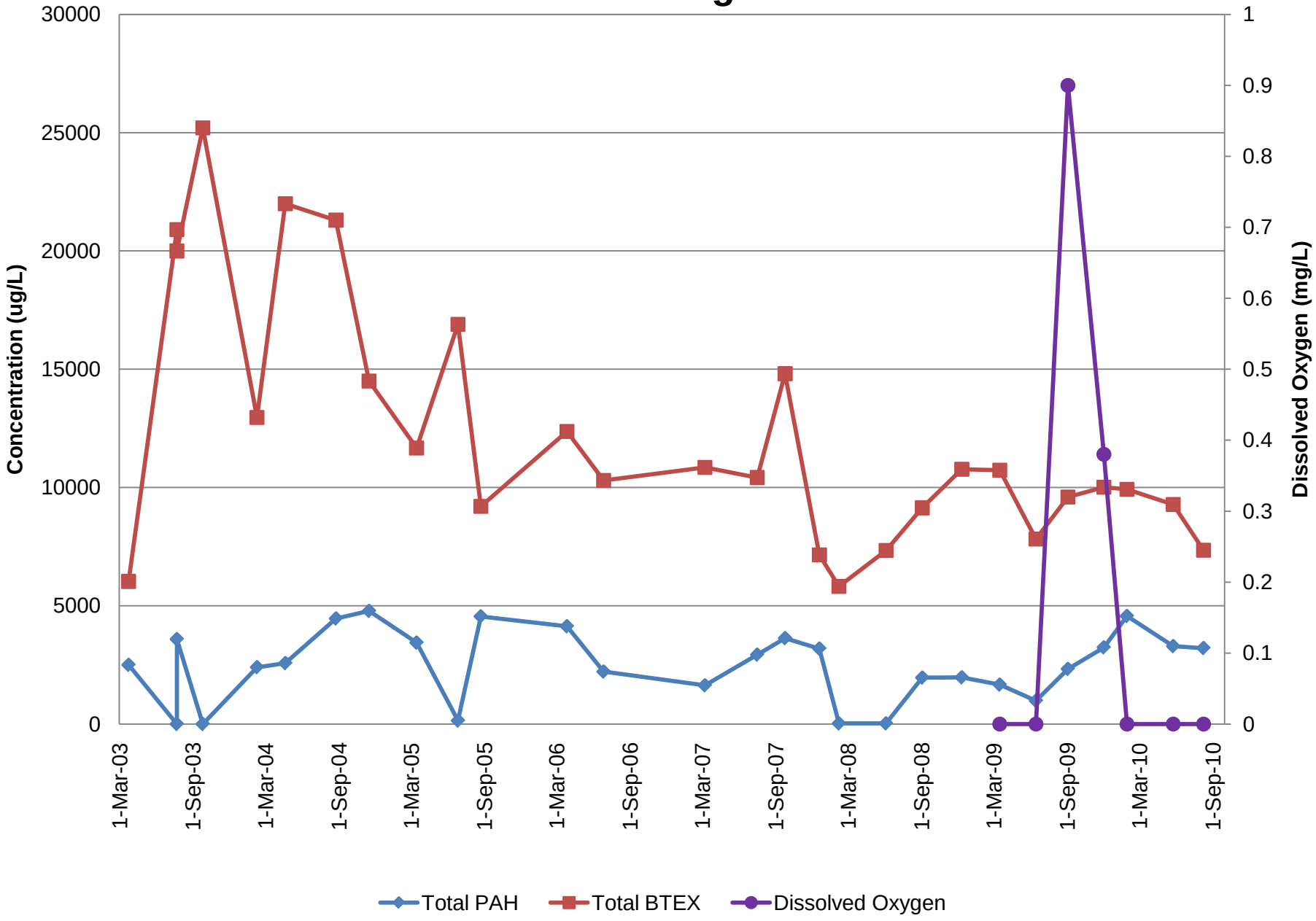
Monitoring Well BBMW-13D
62-72 ft bgs



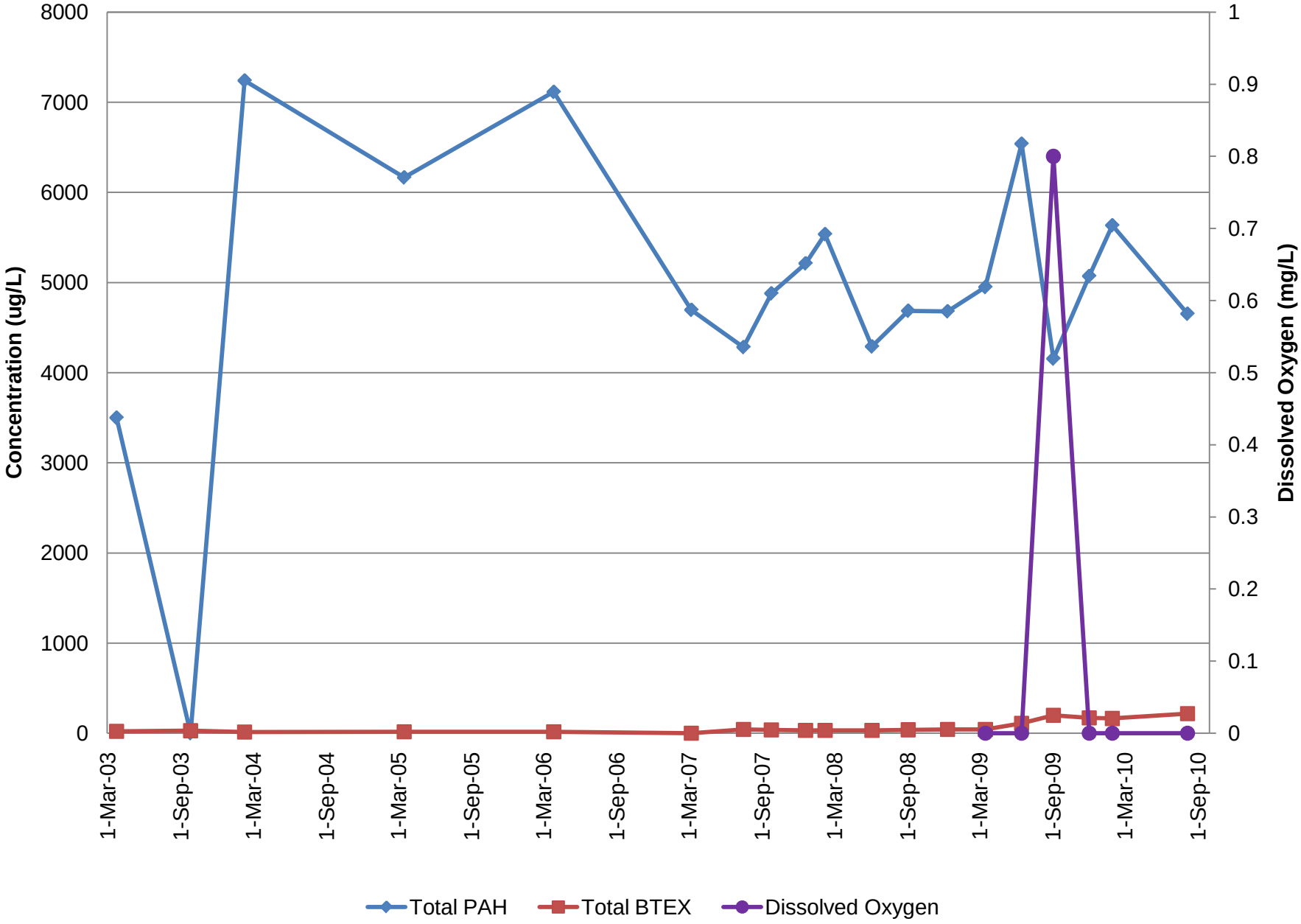
Monitoring Well BBMW-20I
35-45 ft bgs



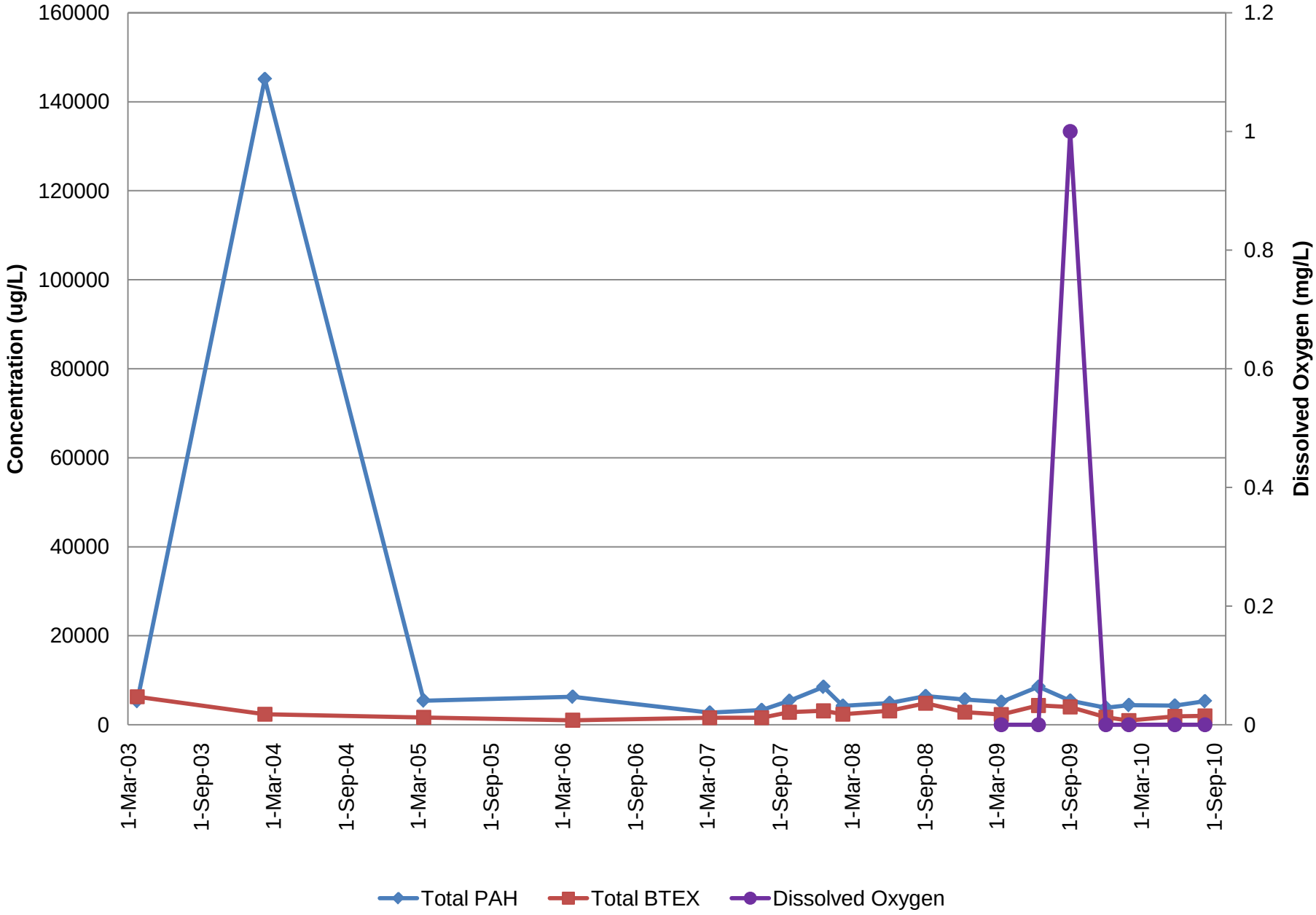
Monitoring Well BBMW-22S
5-10 ft bgs



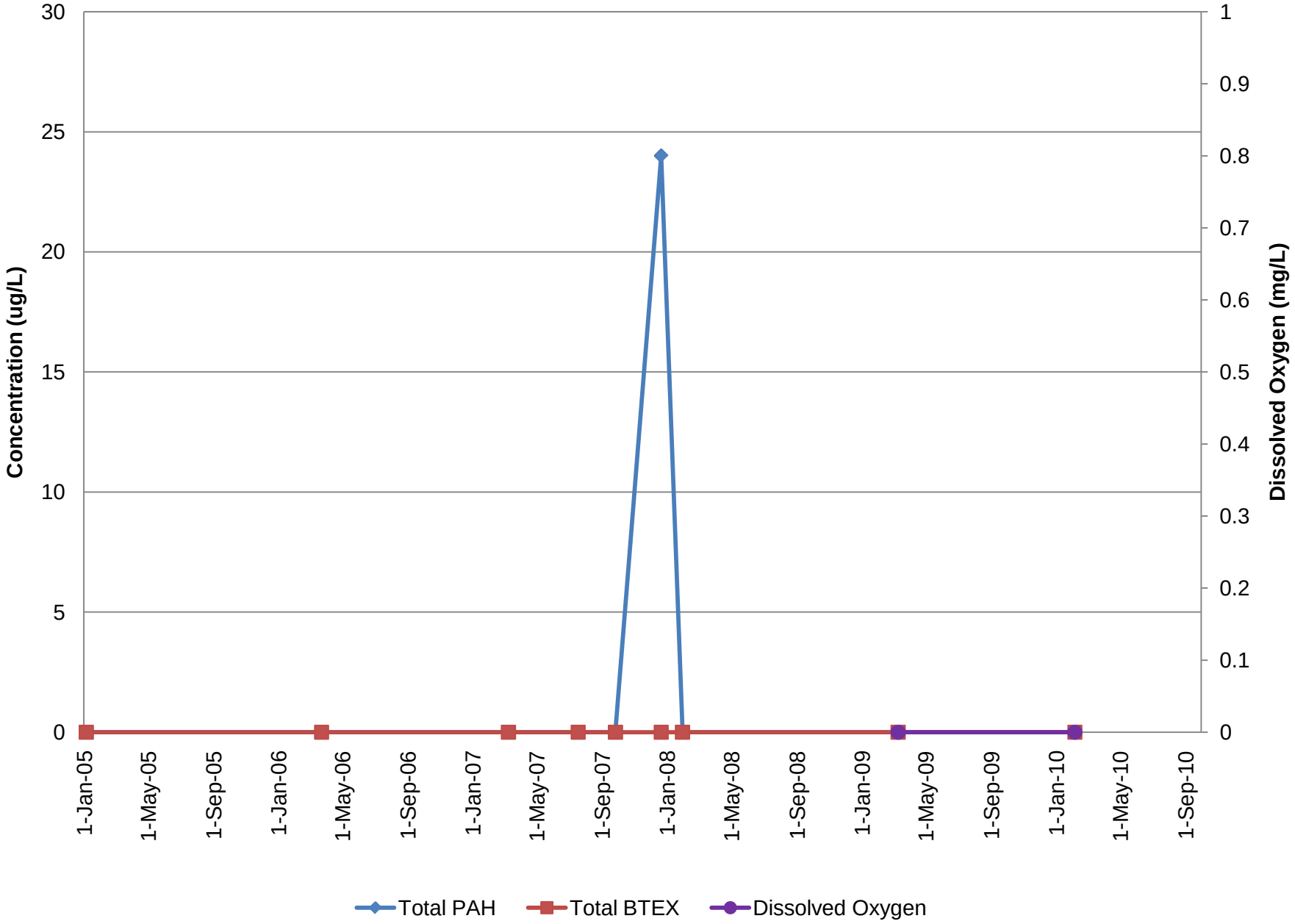
Monitoring Well BBMW-22I
20-30 ft bgs



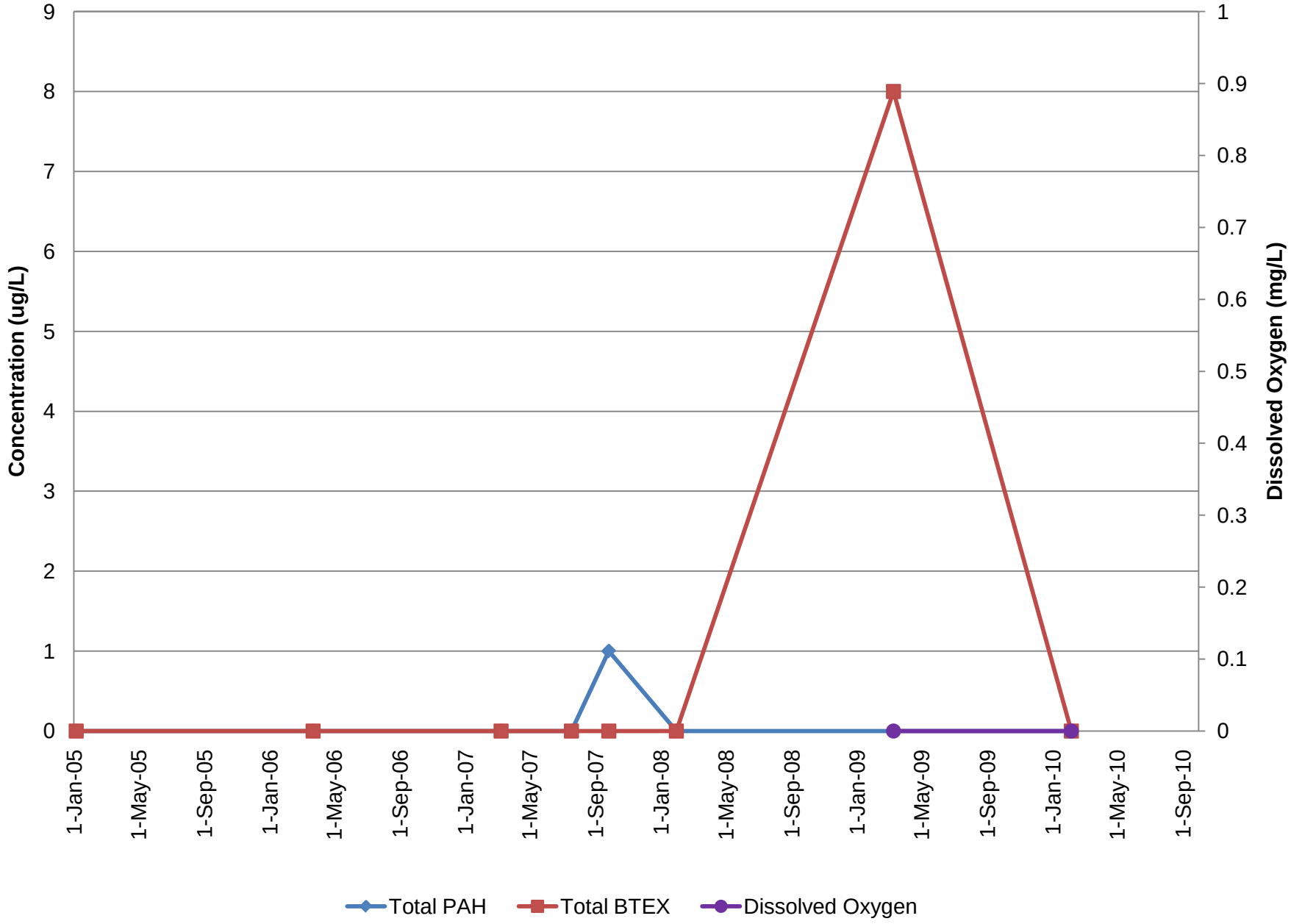
Monitoring Well BBMW-22D
64-74 ft bgs



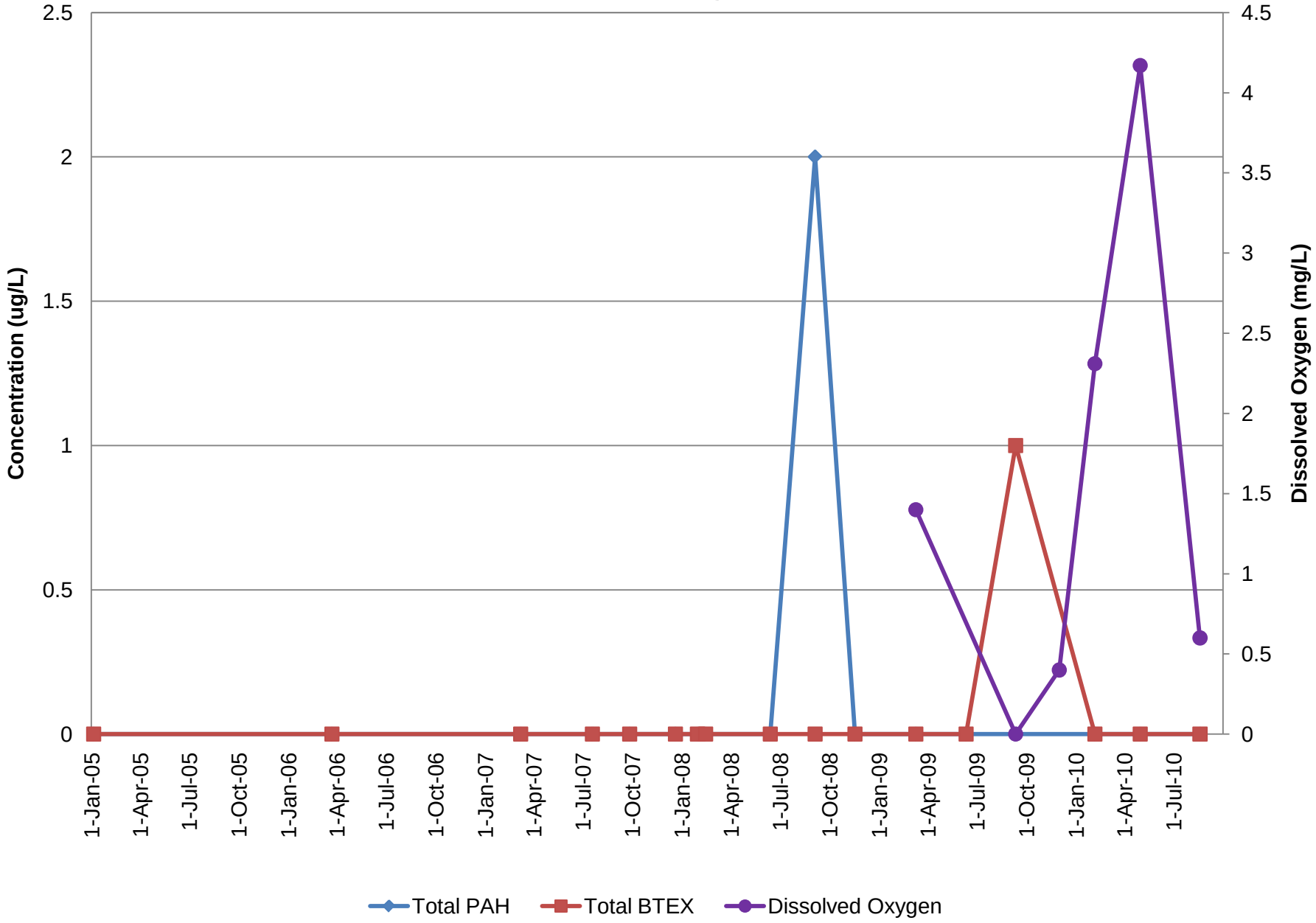
Monitoring Well BBMW-26S
6-16 ft bgs



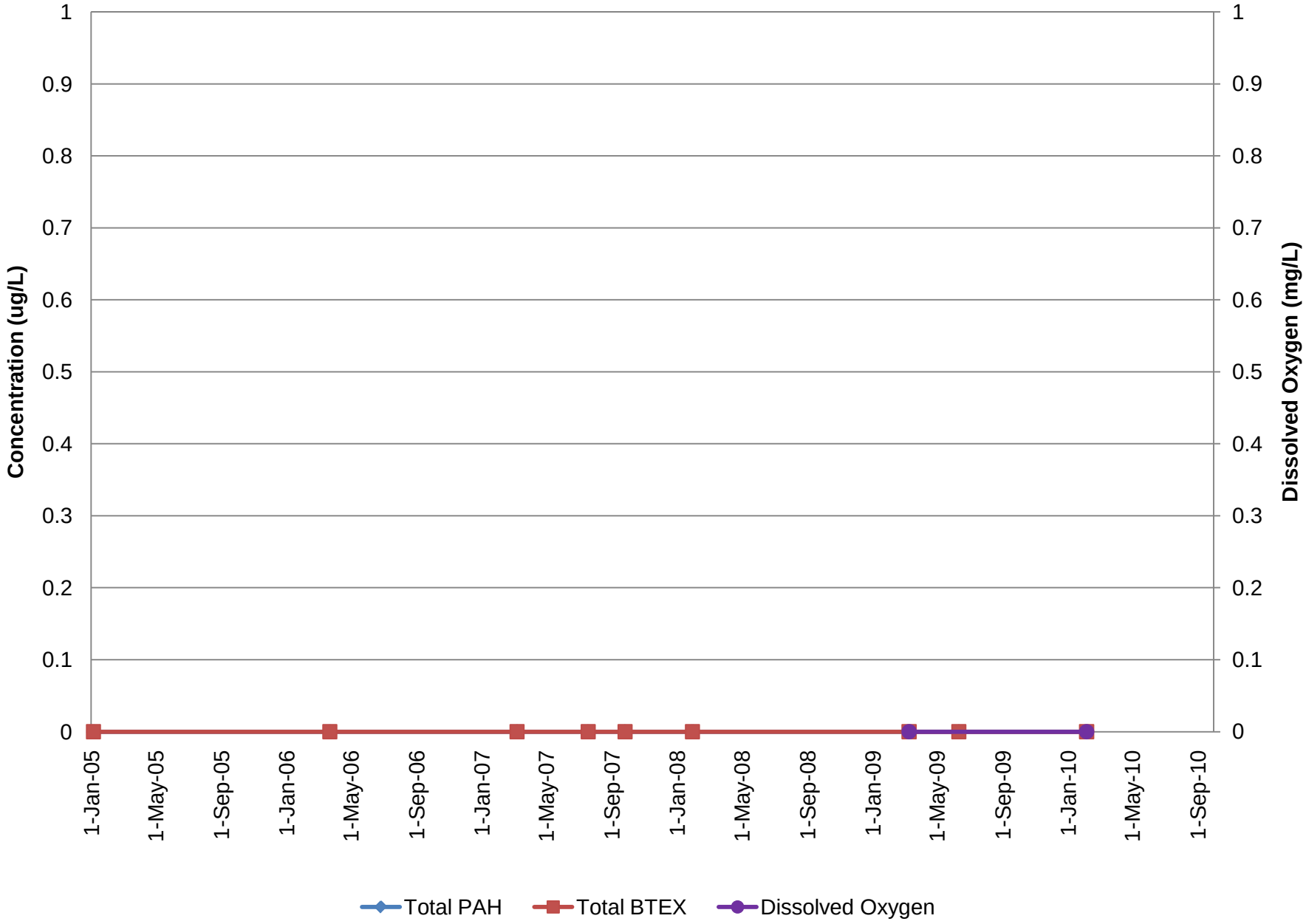
Monitoring Well BBMW-26I
30-40 ft bgs



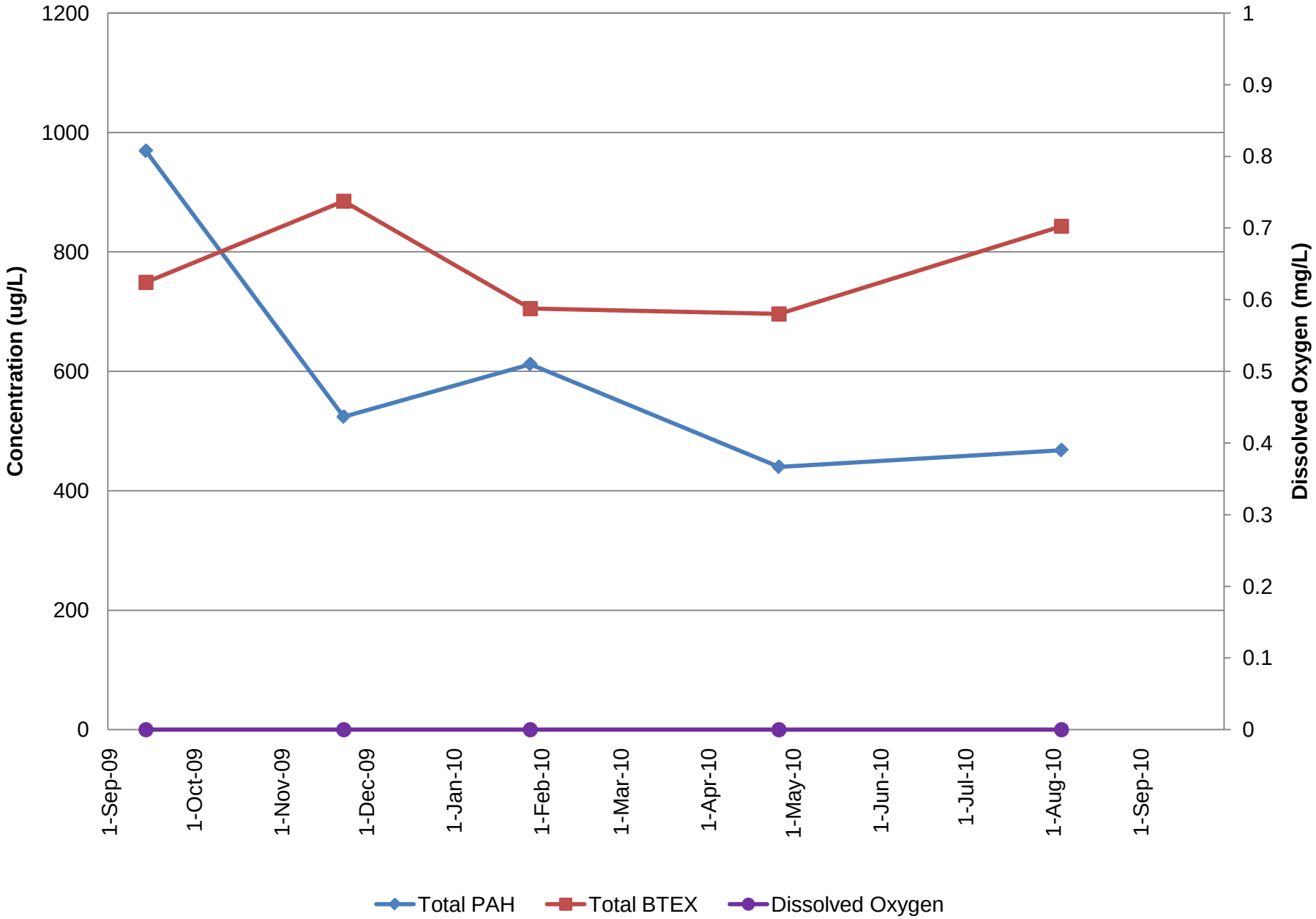
Monitoring Well BBMW-27S
5-15 ft bgs



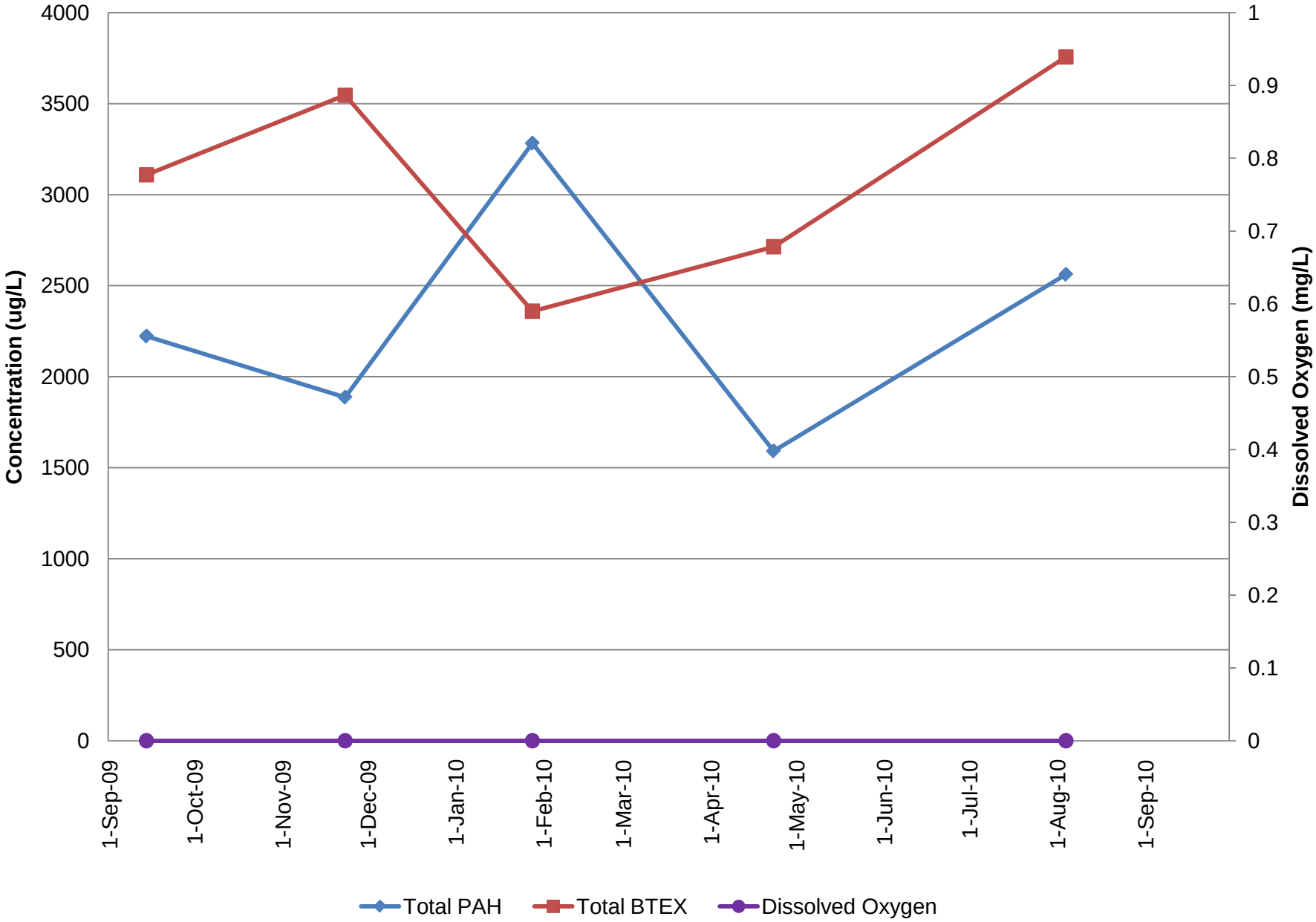
Monitoring Well BBMW-27I
30-40 ft bgs



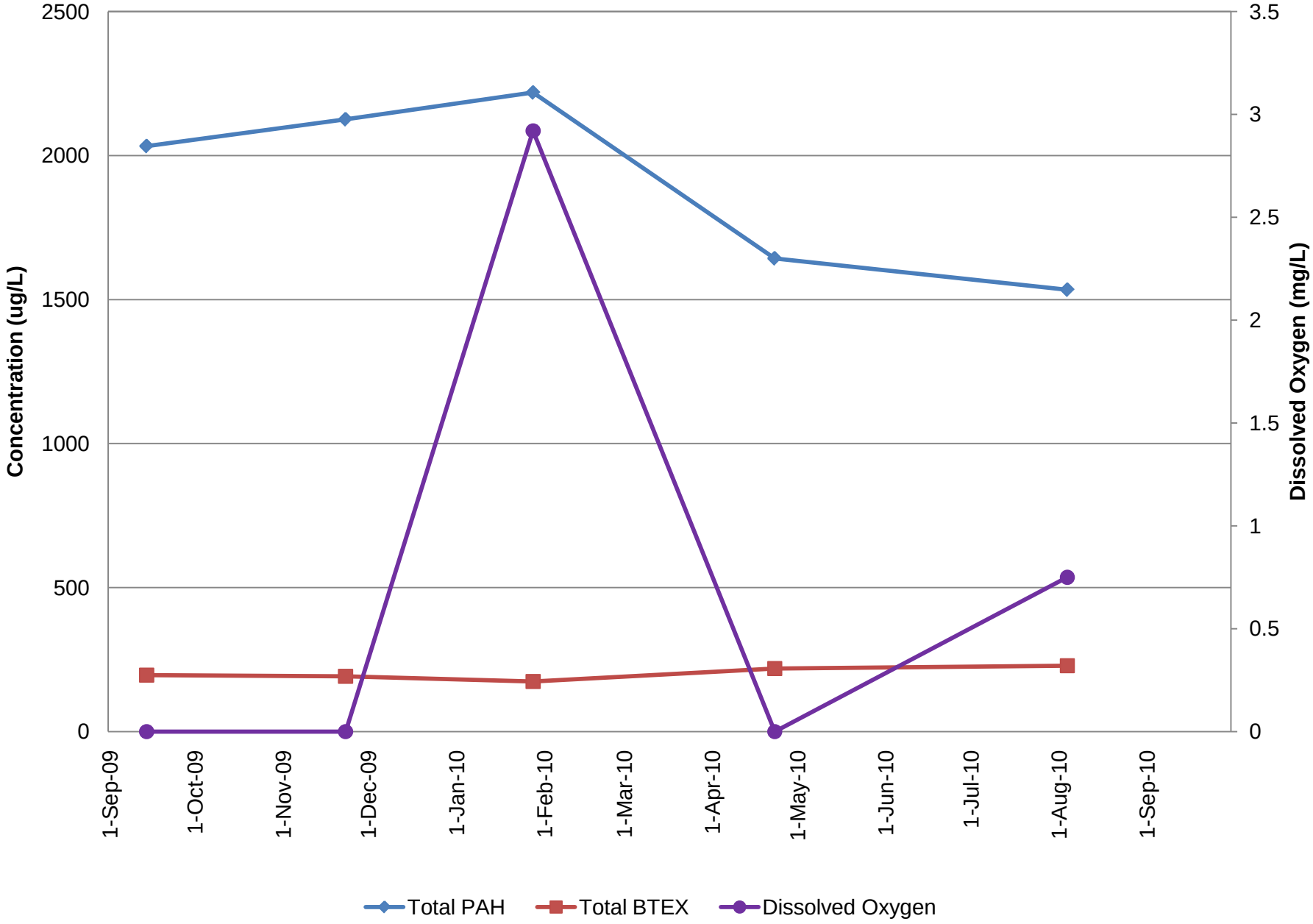
Monitoring Well BBMW-34S
5-15 ft bgs



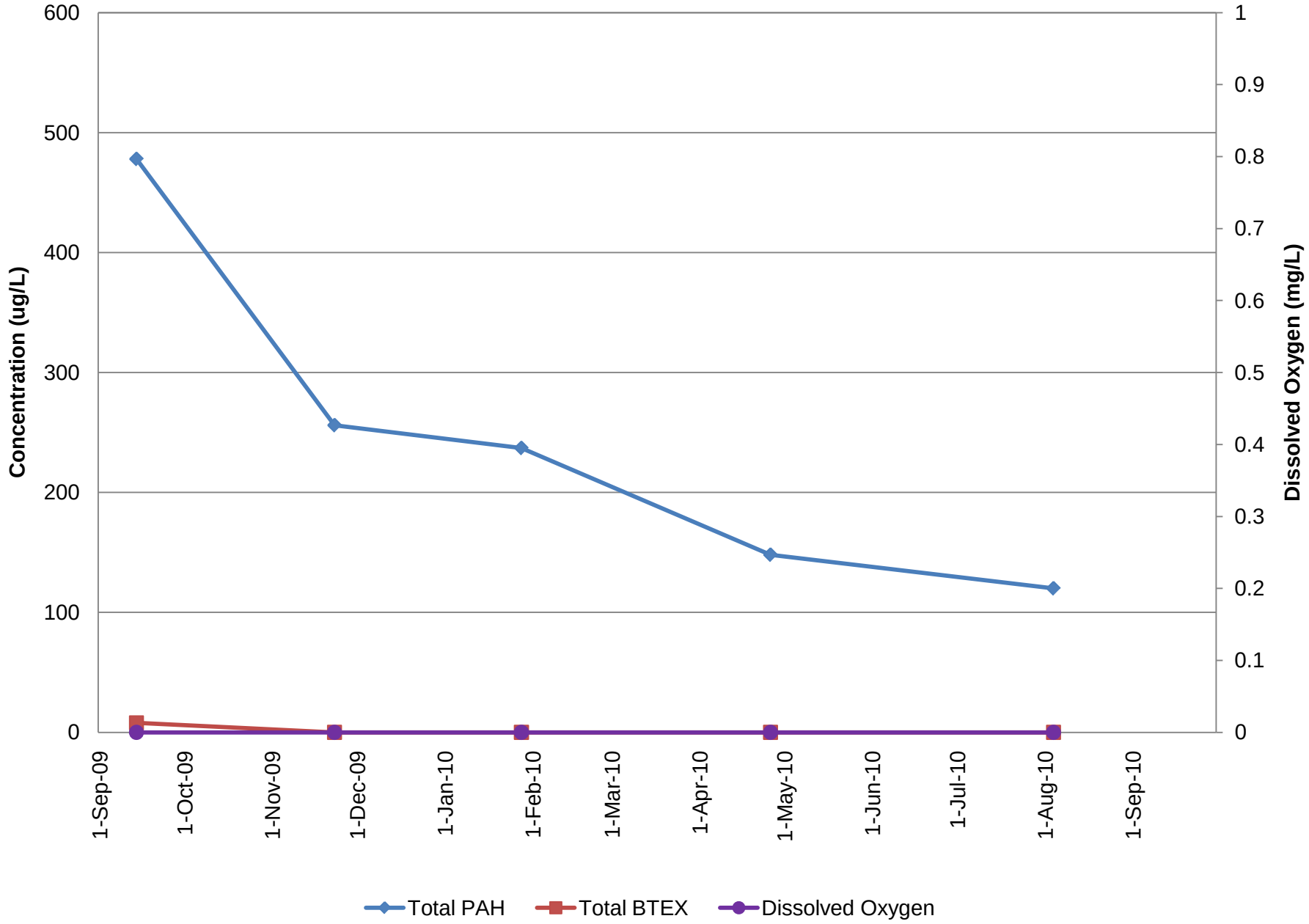
Monitoring Well BBMW-34I
25-30 ft bgs



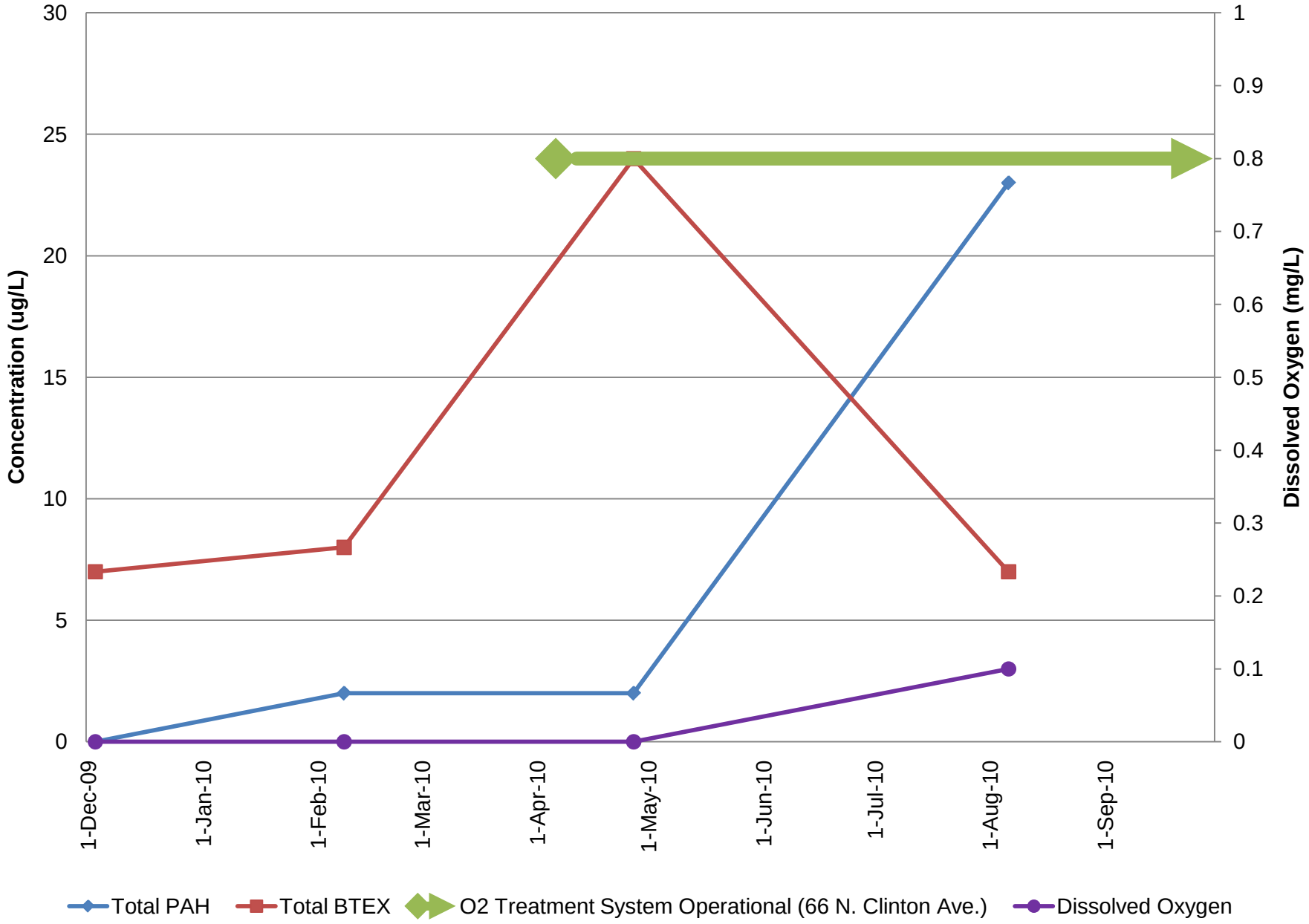
Monitoring Well BBMW-34I2
40-45 ft bgs



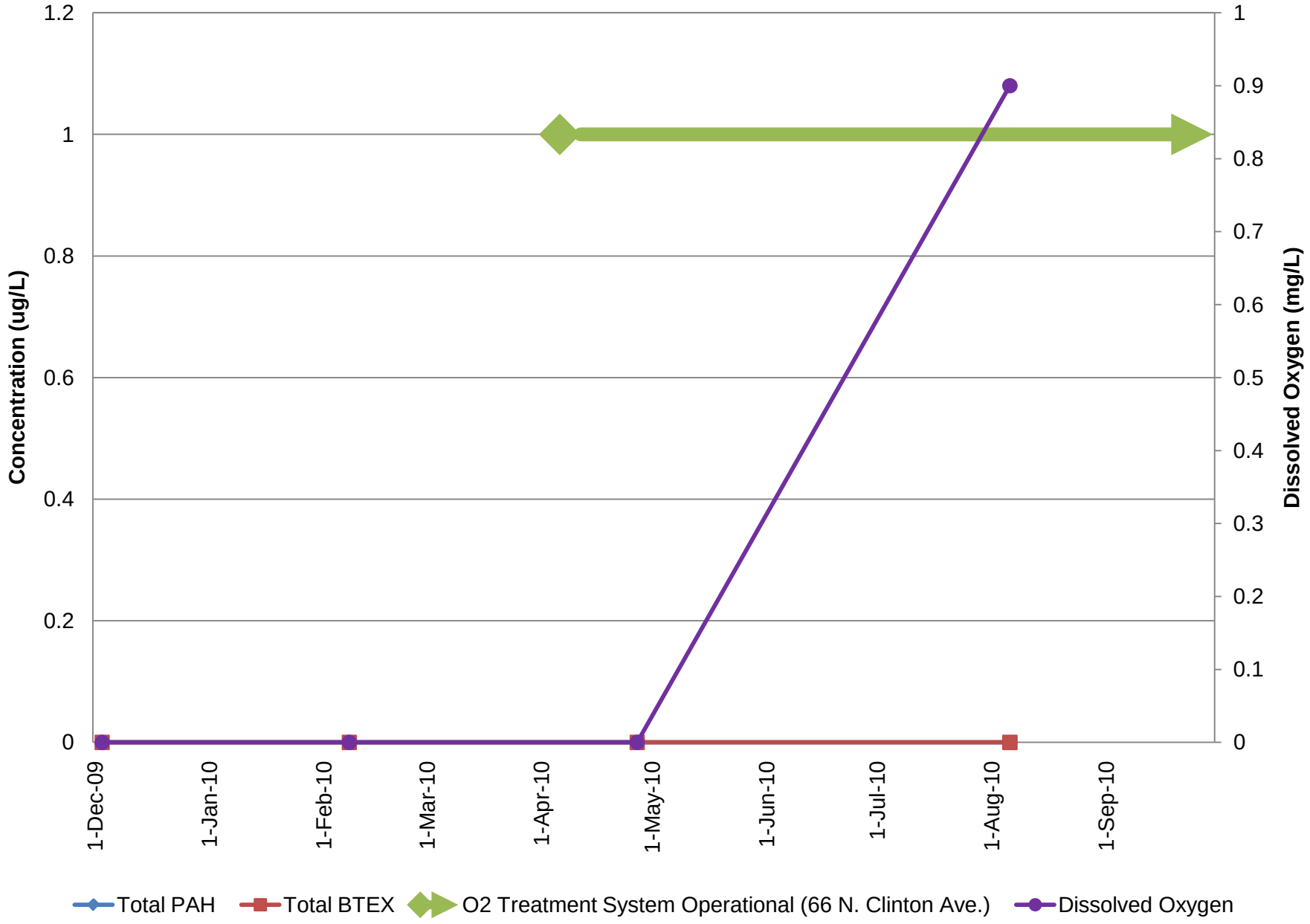
Monitoring Well BBMW-34D
65-70 ft bgs



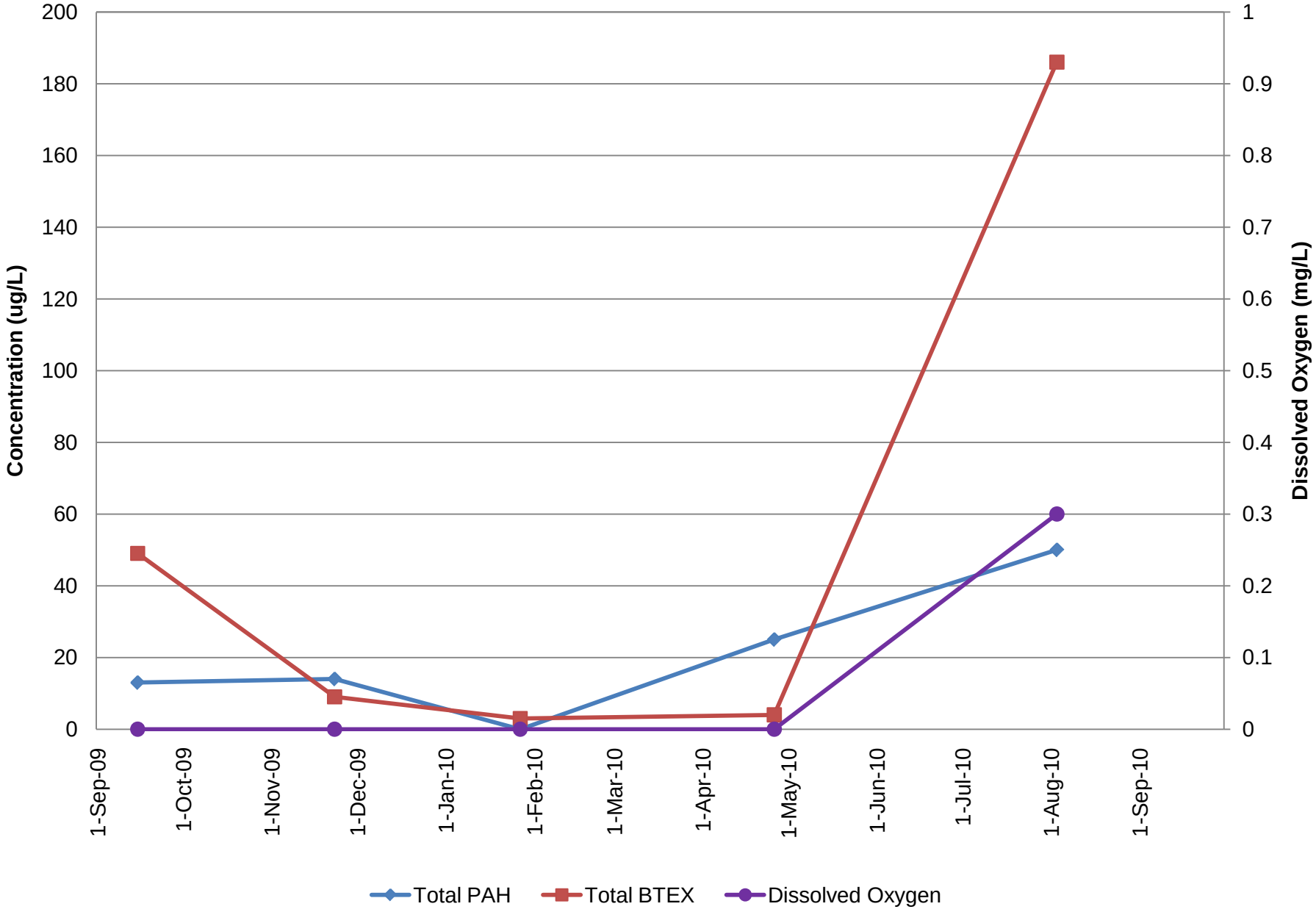
Monitoring Well BBMW-36S
5-15 ft bgs



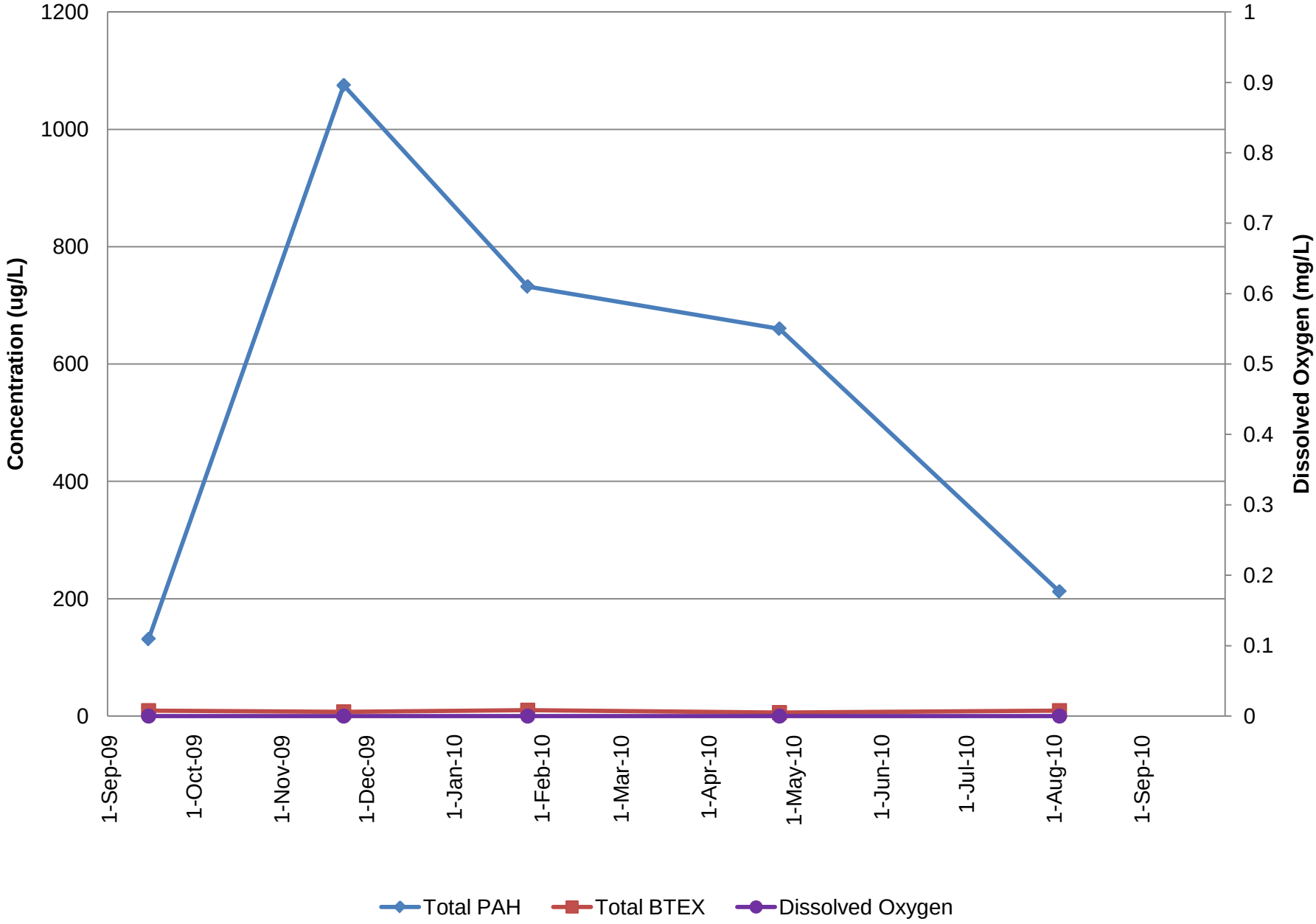
Monitoring Well BBMW-36I
25-30 ft bgs



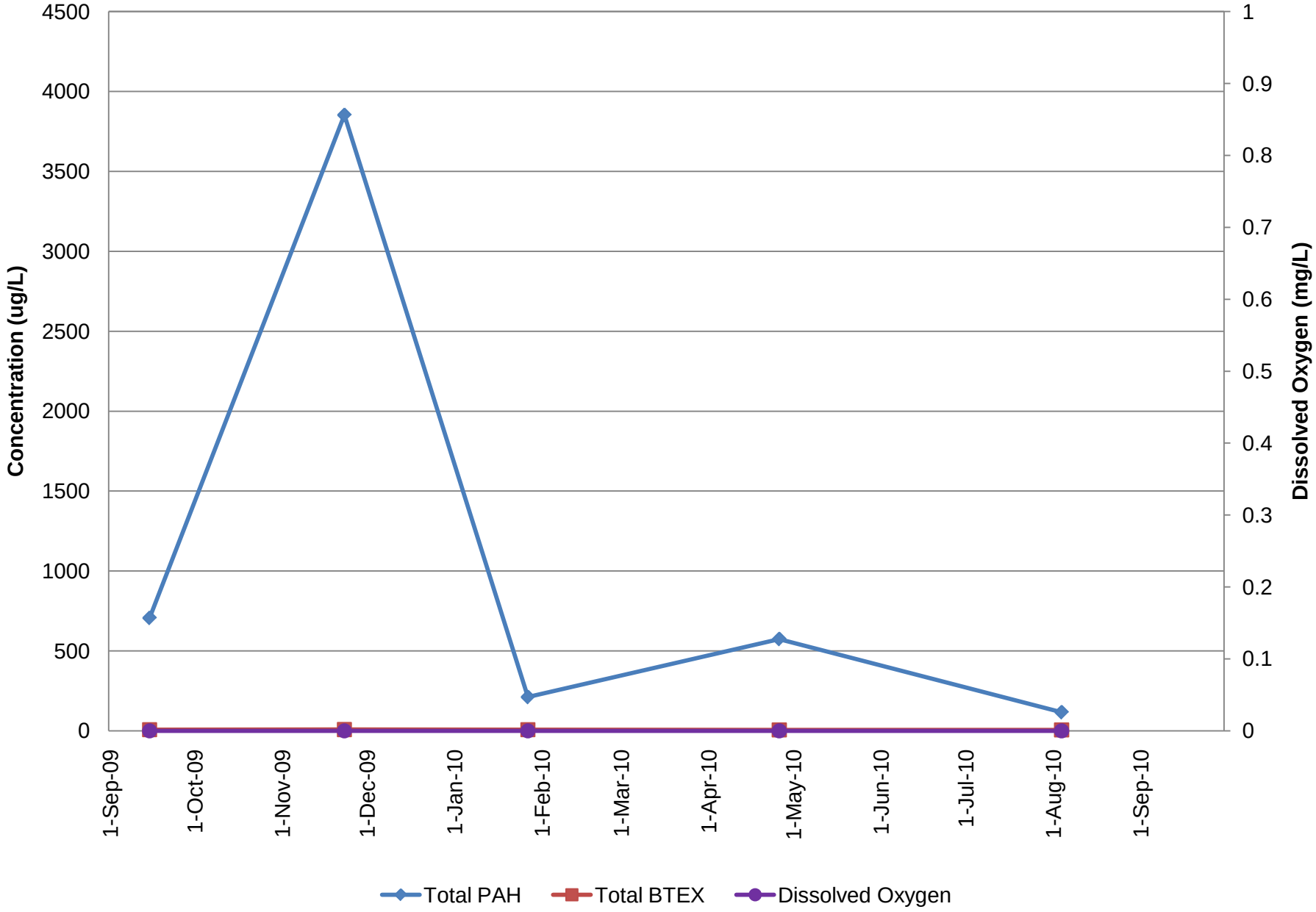
Monitoring Well BBMW-38S
5-15 ft bgs



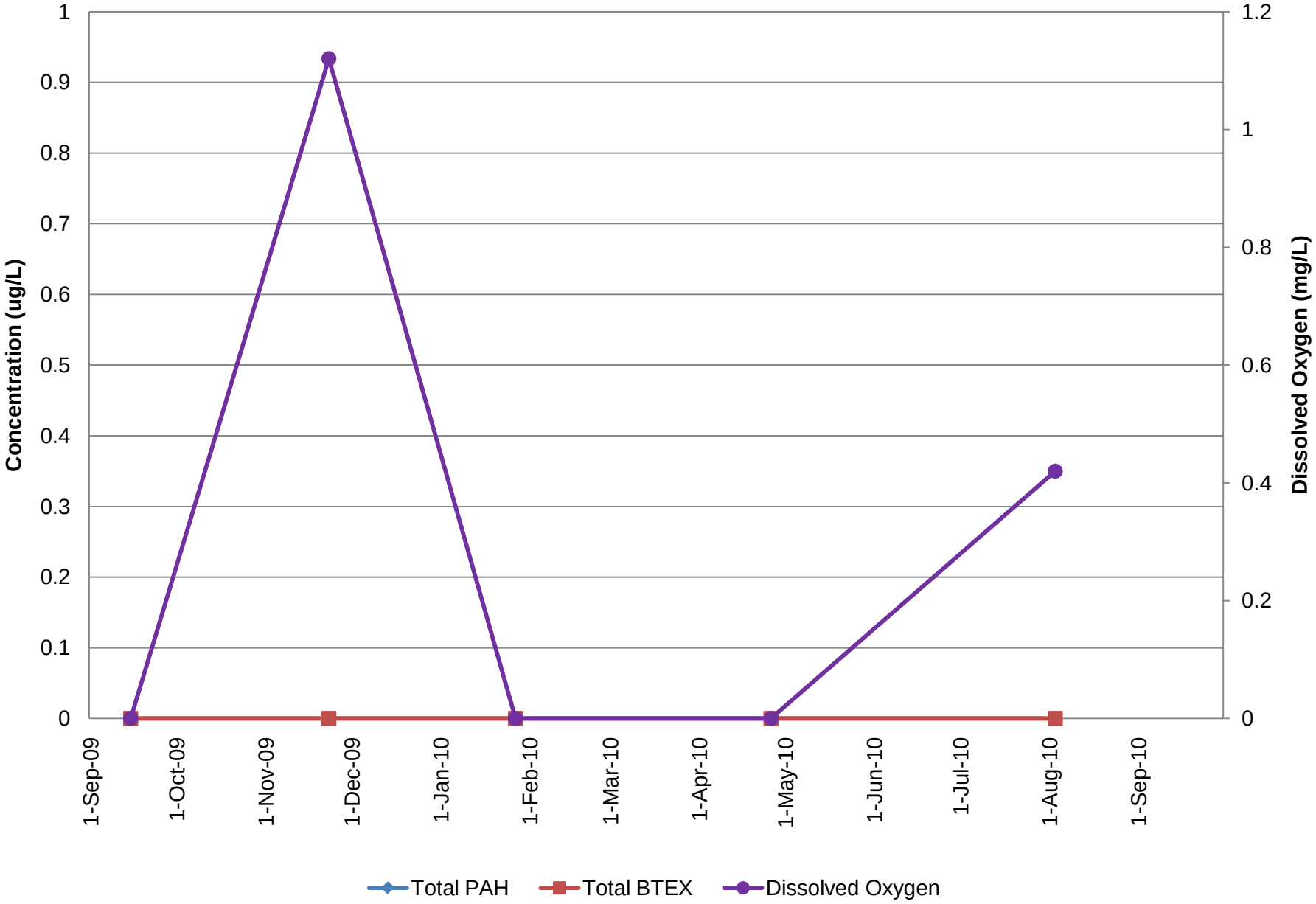
Monitoring Well BBMW-38I
25-30 ft bgs



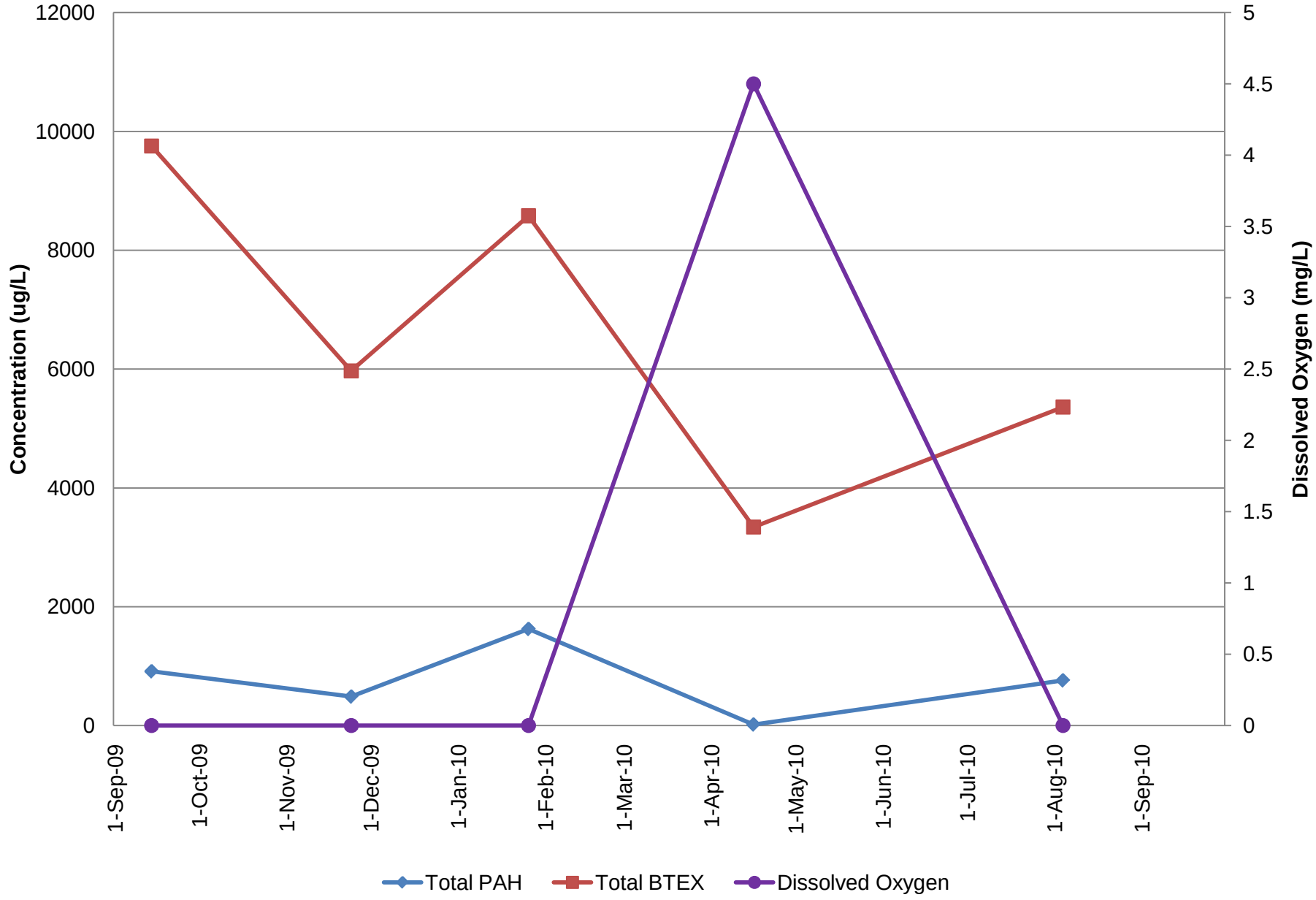
Monitoring Well BBMW-38I2
40-45 ft bgs



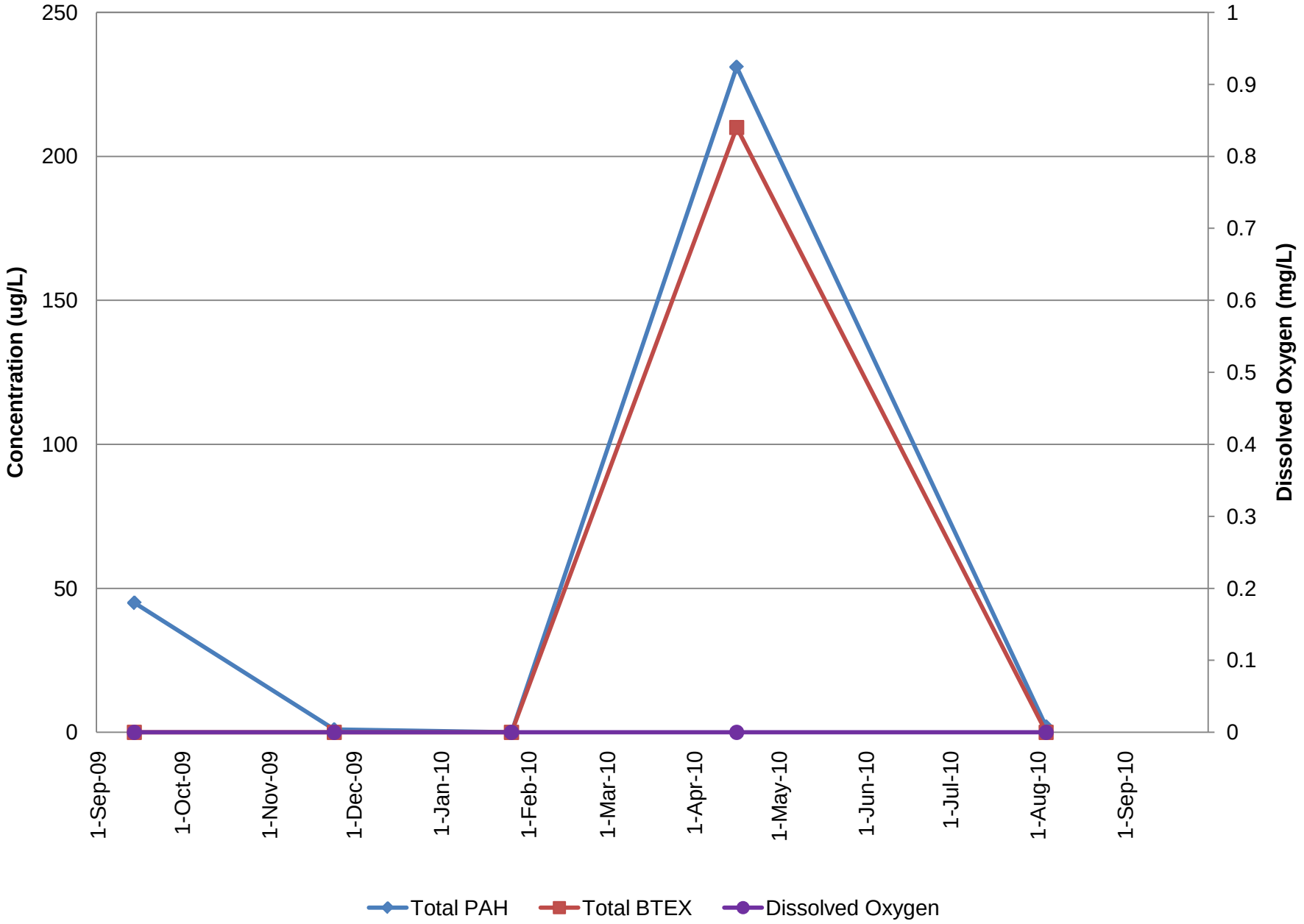
Monitoring Well BBMW-38D
65-70 ft bgs



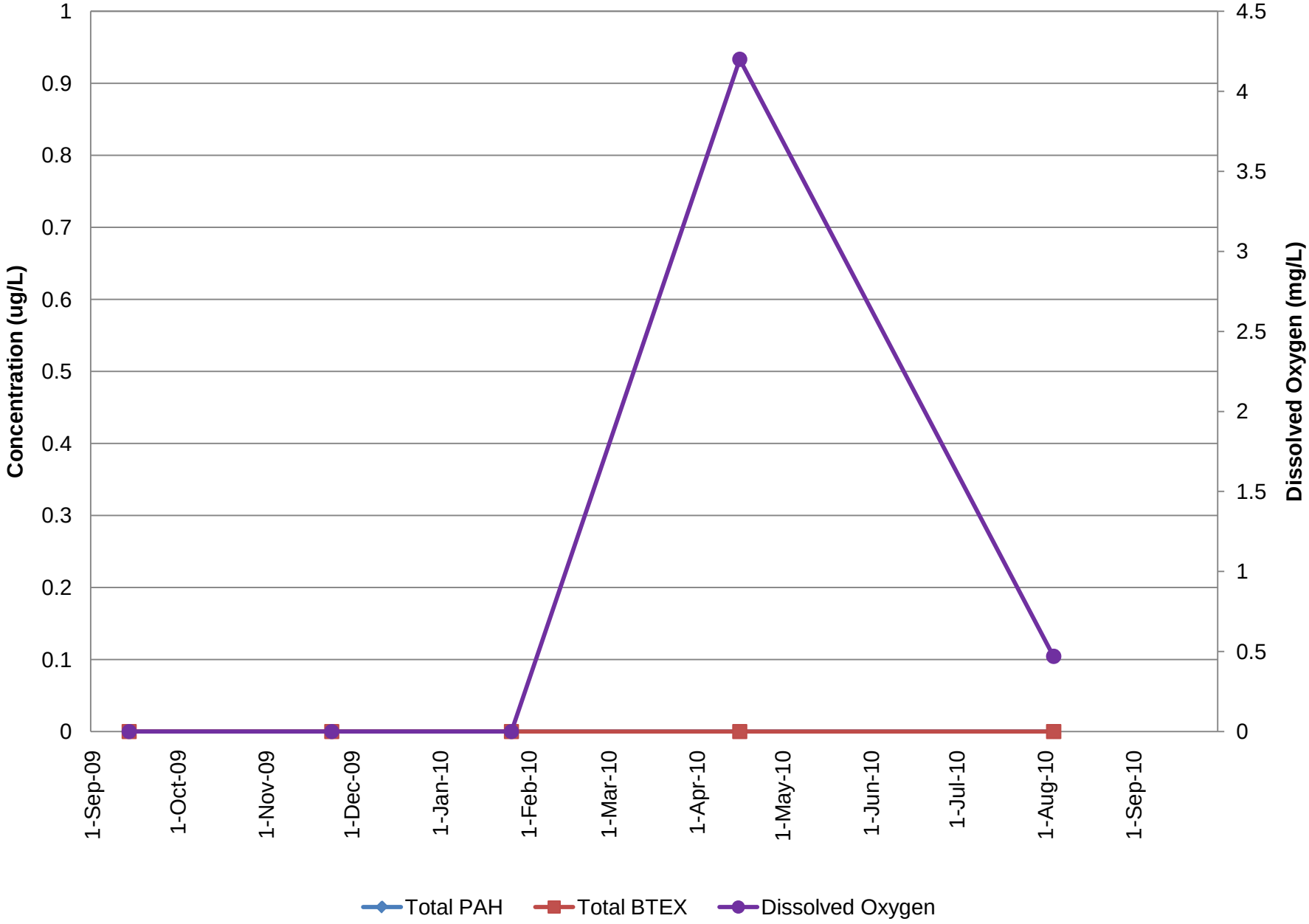
Monitoring Well BBMW-39S
5-15 ft bgs



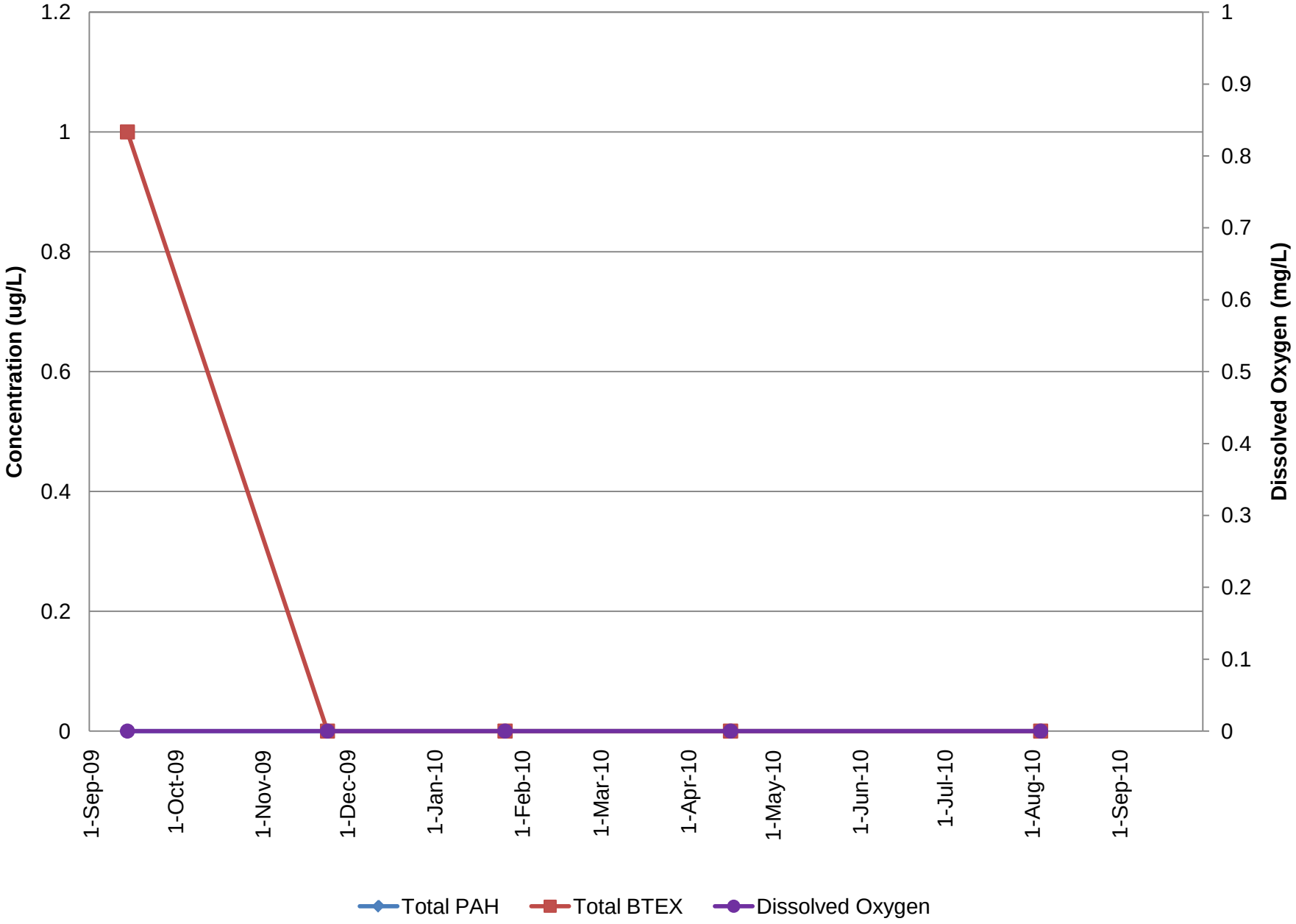
Monitoring Well BBMW-39I
25-30 ft bgs



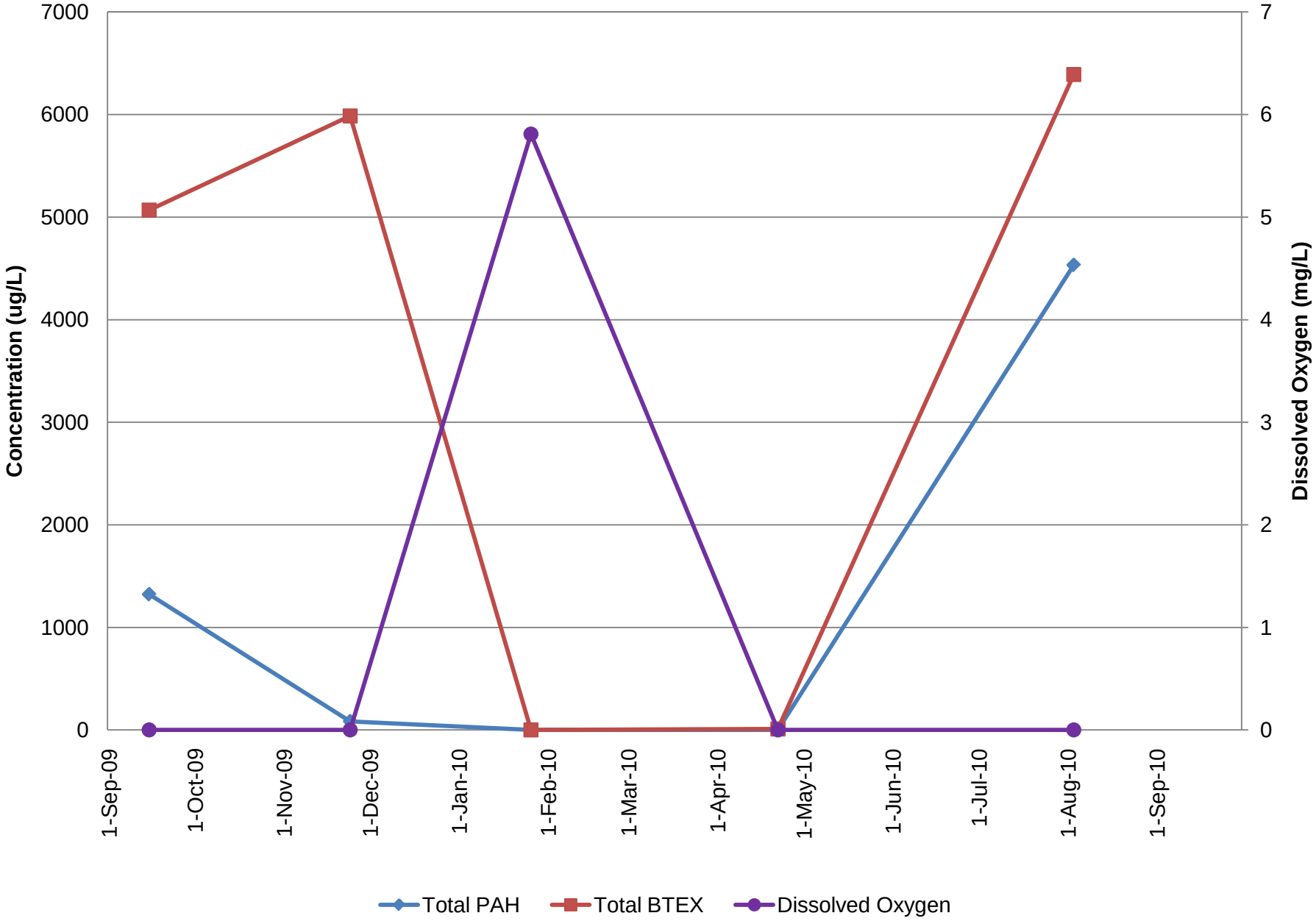
Monitoring Well BBMW-39I2
45-50 ft bgs



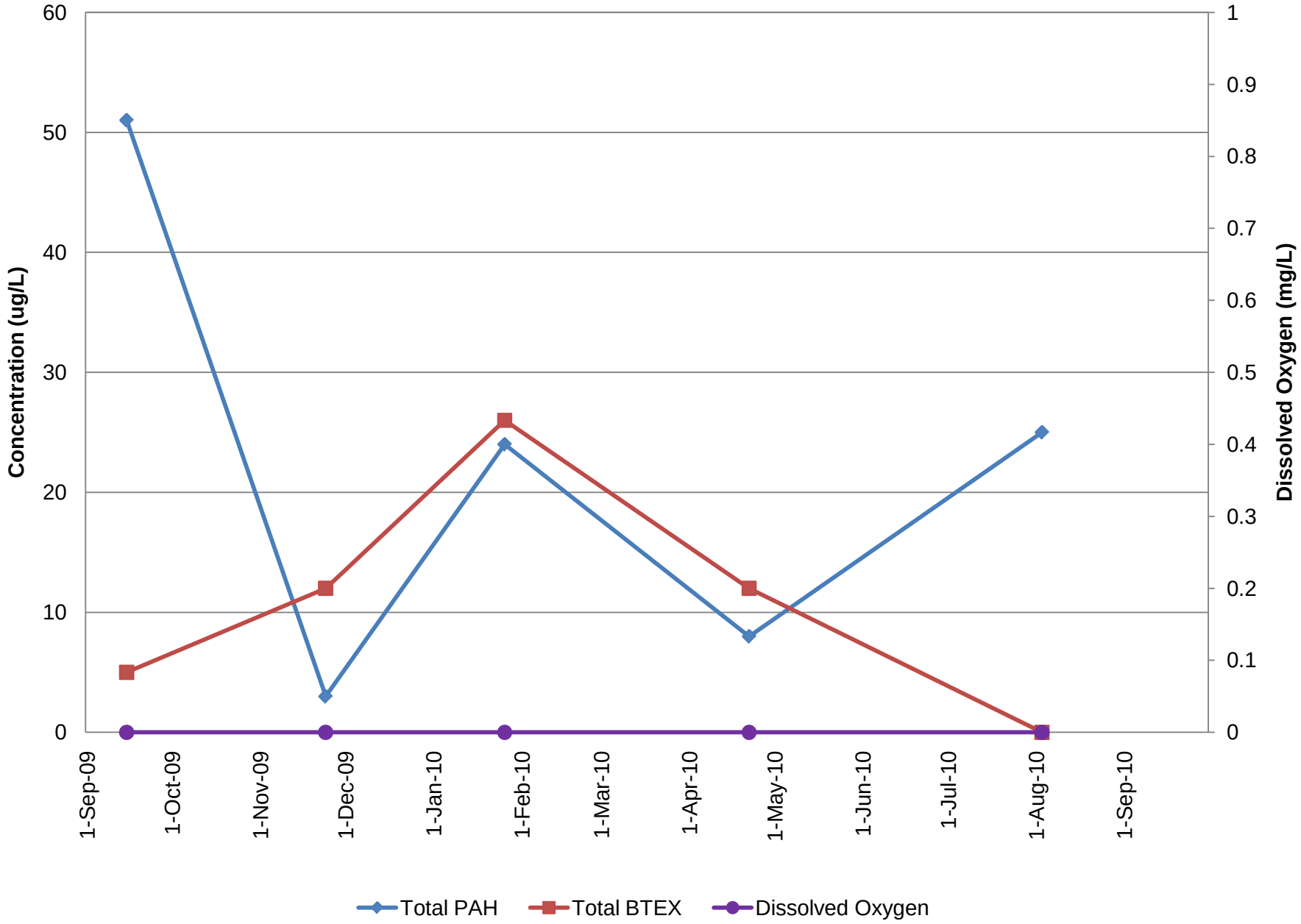
Monitoring Well BBMW-39D
65-70 ft bgs



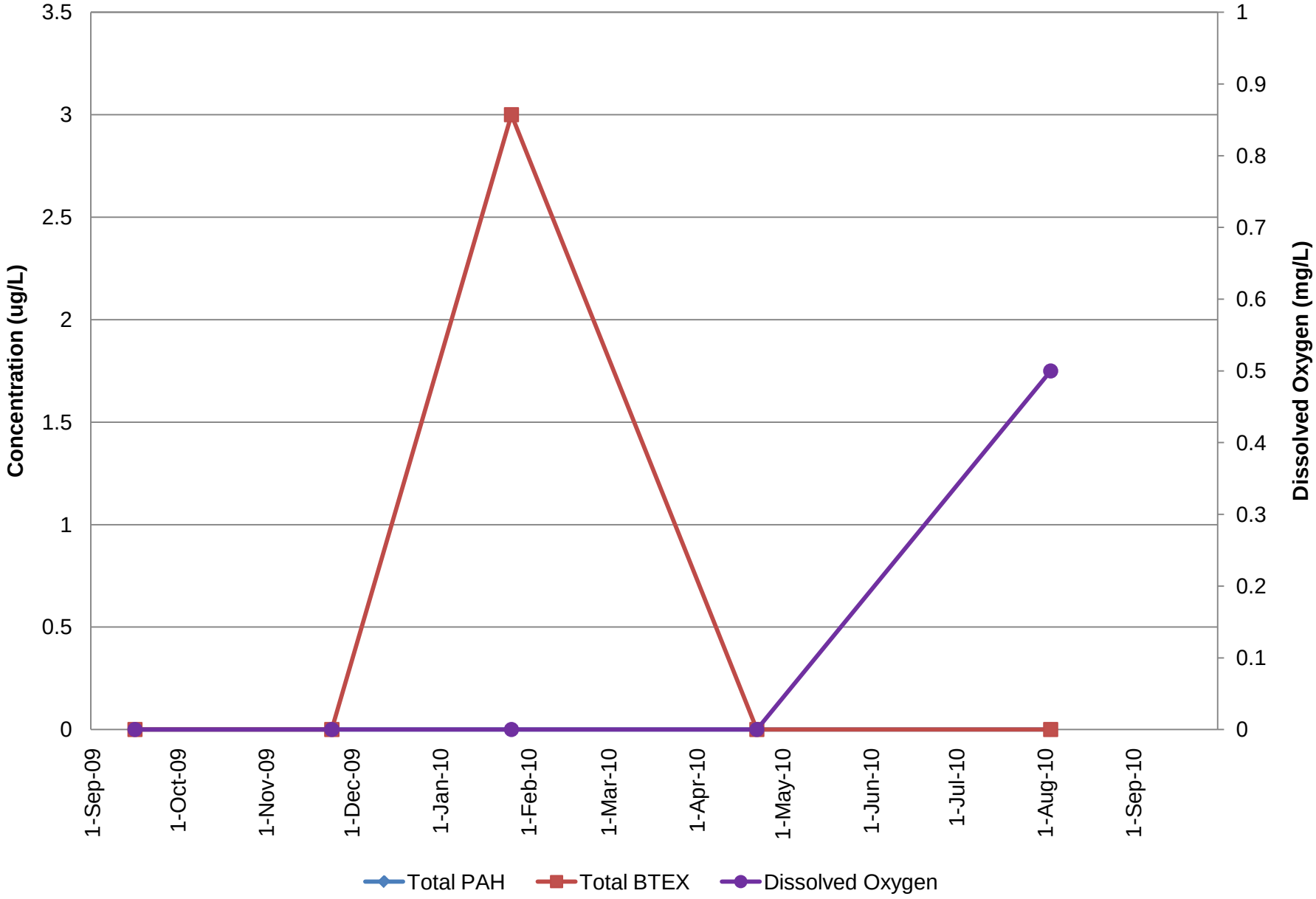
Monitoring Well BBMW-40S
5-15 ft bgs



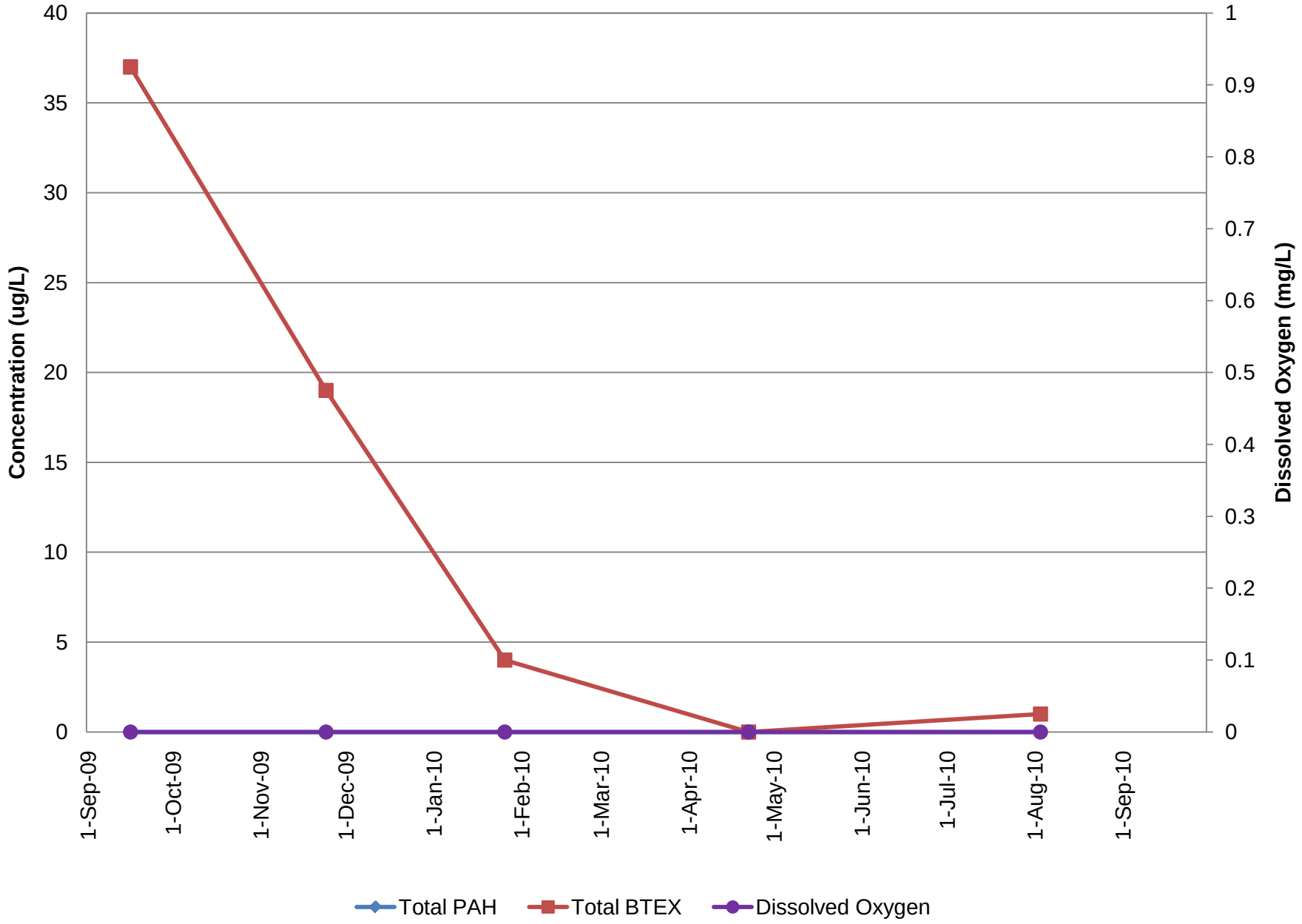
Monitoring Well BBMW-40I
25-30 ft bgs



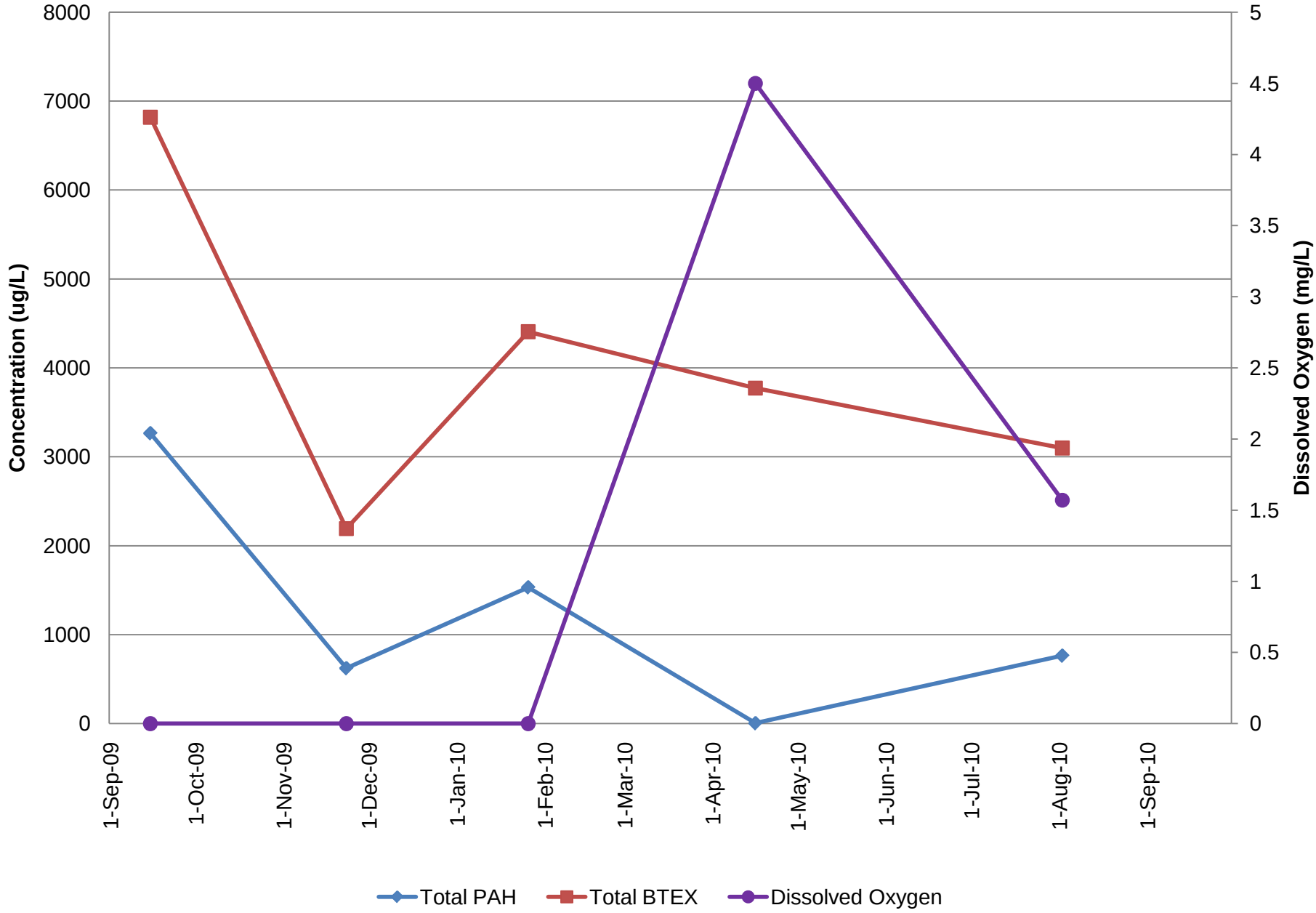
Monitoring Well BBMW-40I2
45-50 ft bgs



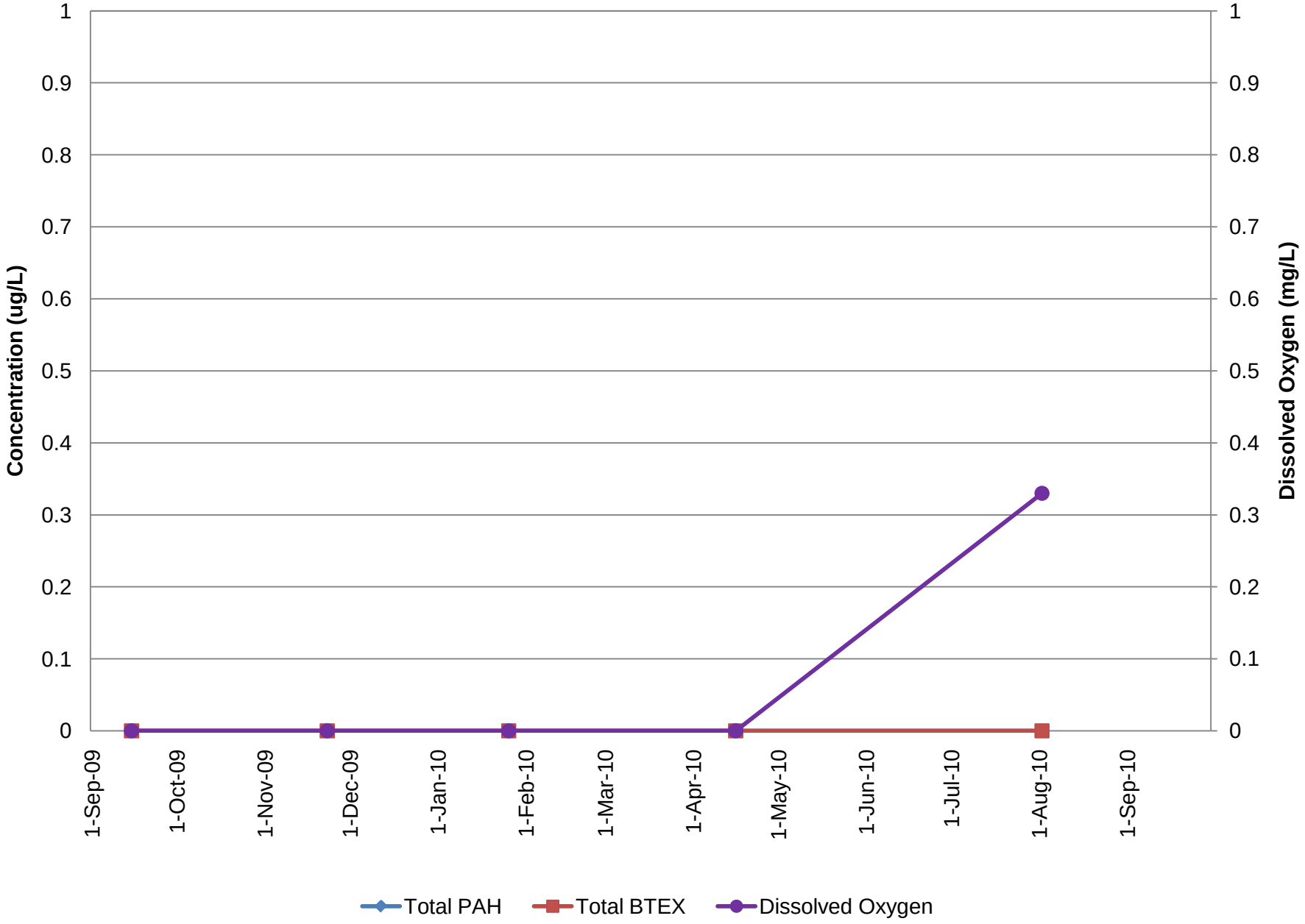
Monitoring Well BBMW-40D
70-75 ft bgs



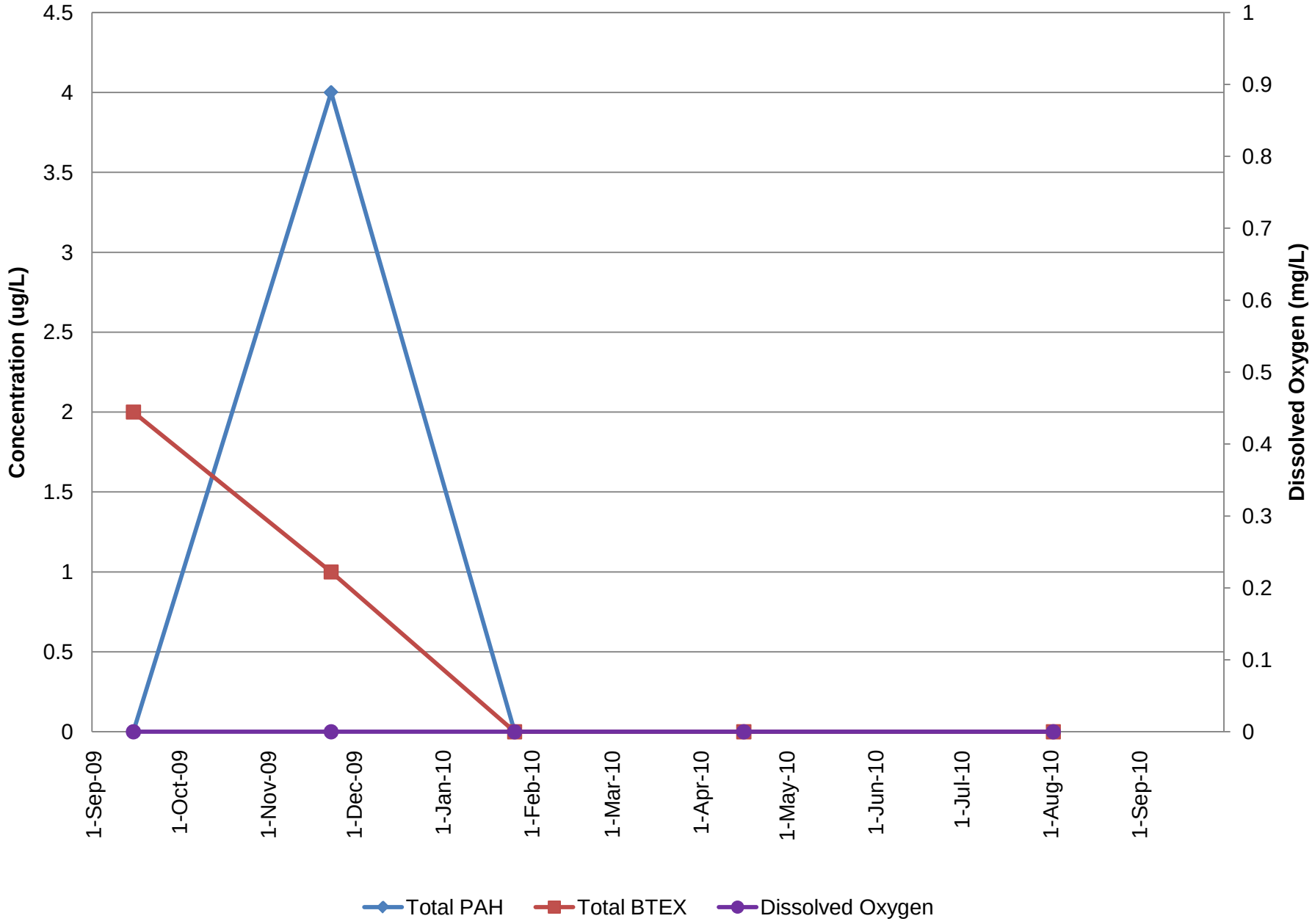
Monitoring Well BBMW-41S
6-16 ft bgs



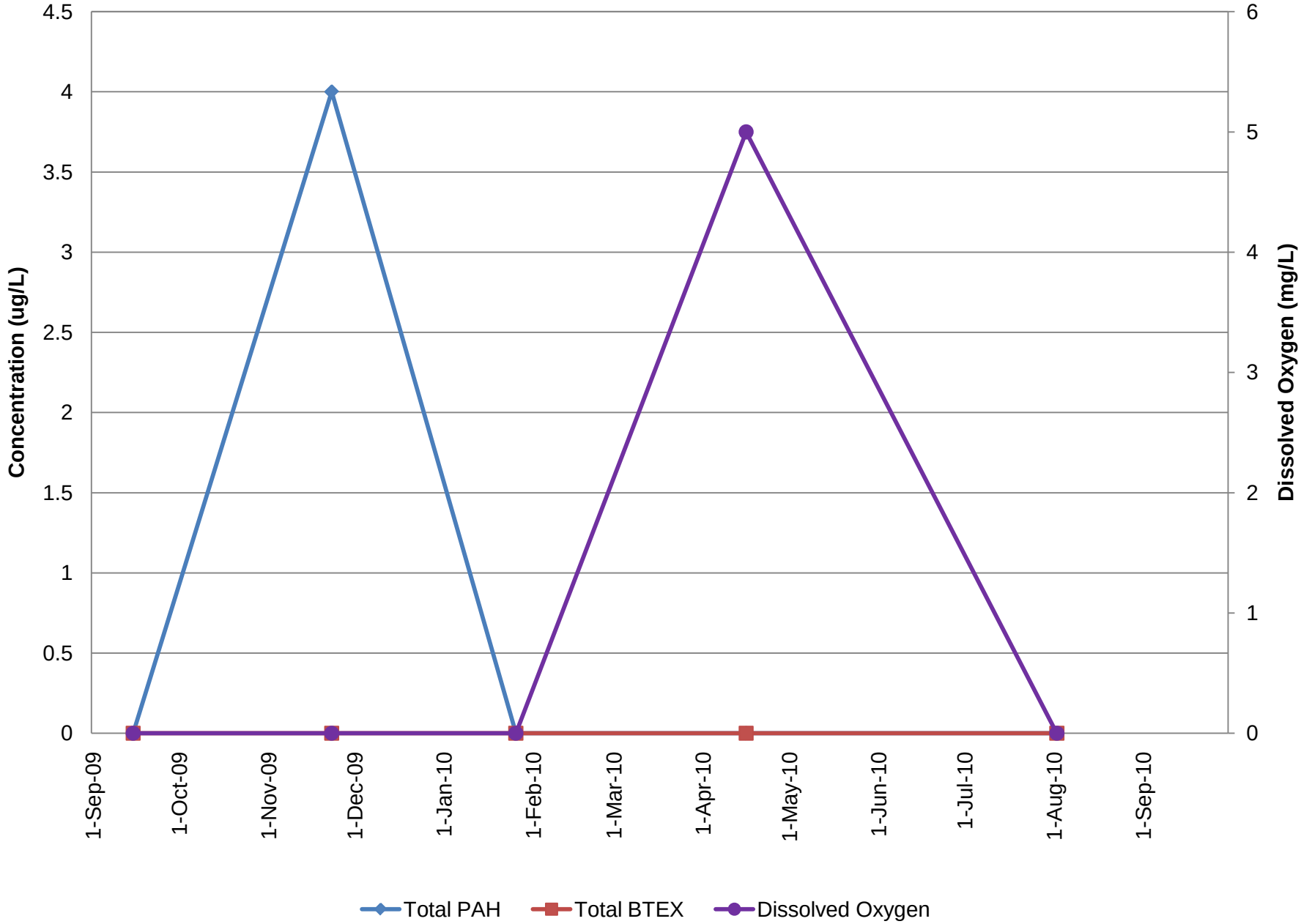
Monitoring Well BBMW-41I
25-30 ft bgs



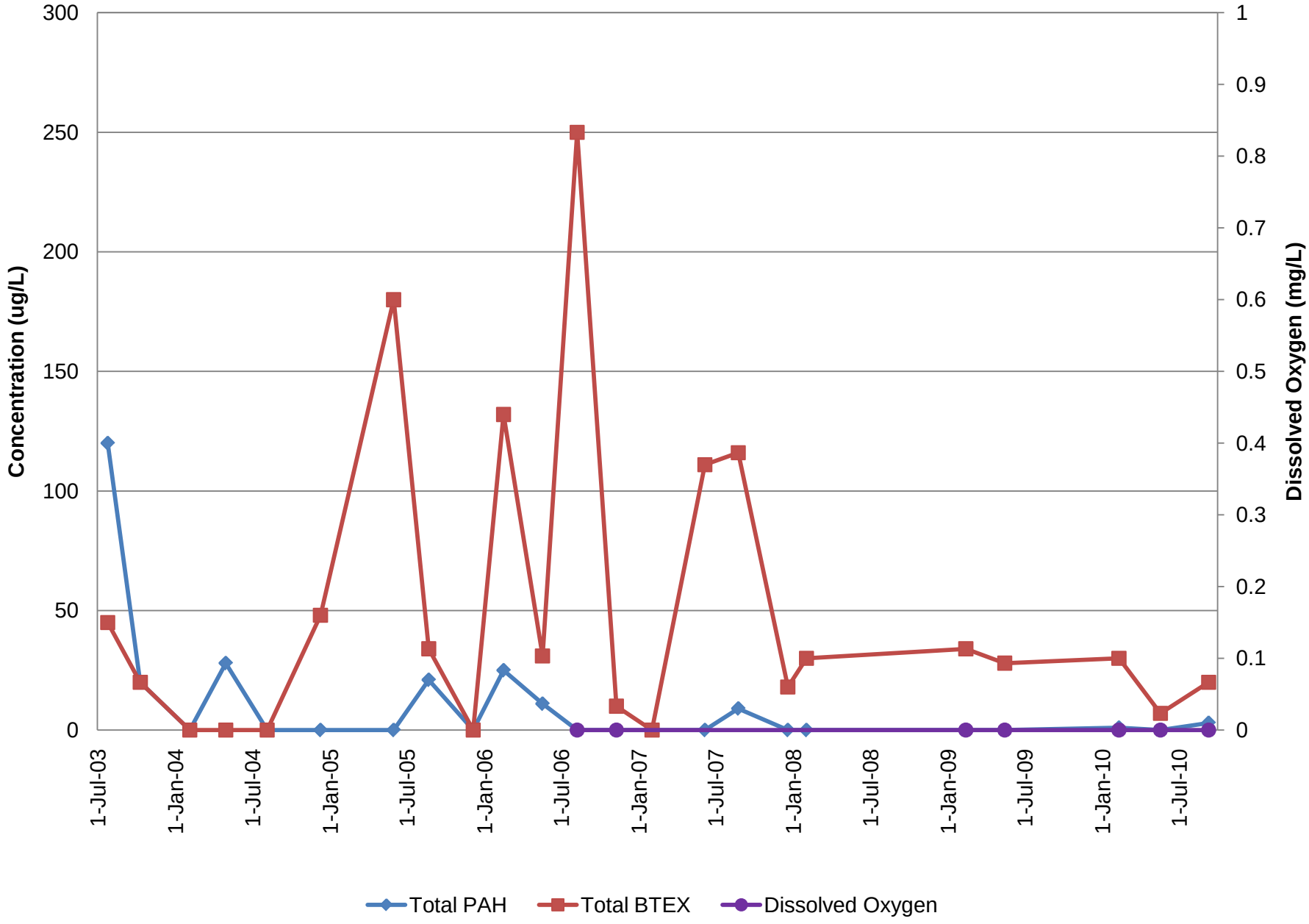
Monitoring Well BBMW-41I2
45-50 ft bgs



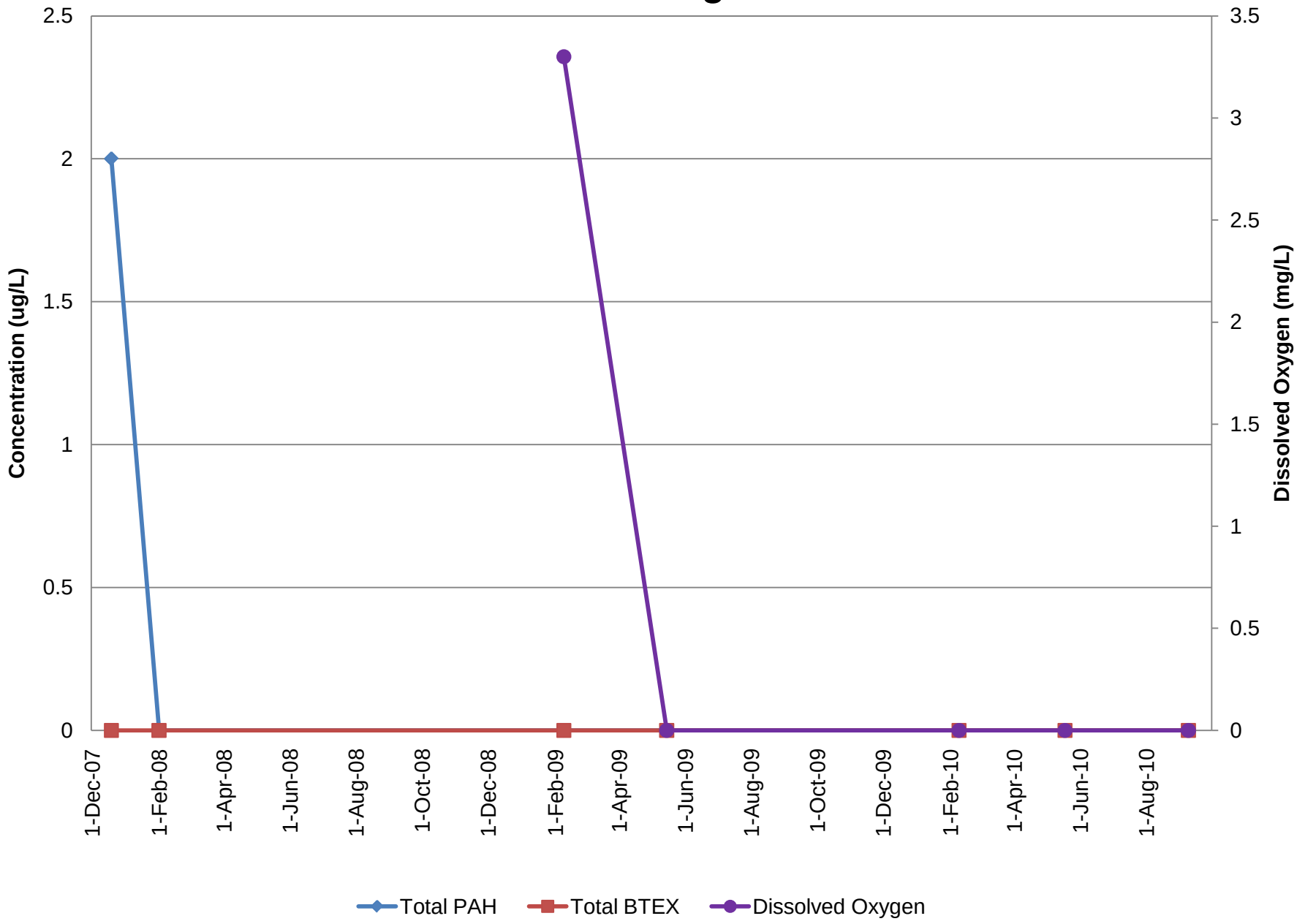
Monitoring Well BBMW-41D
65-70 ft bgs



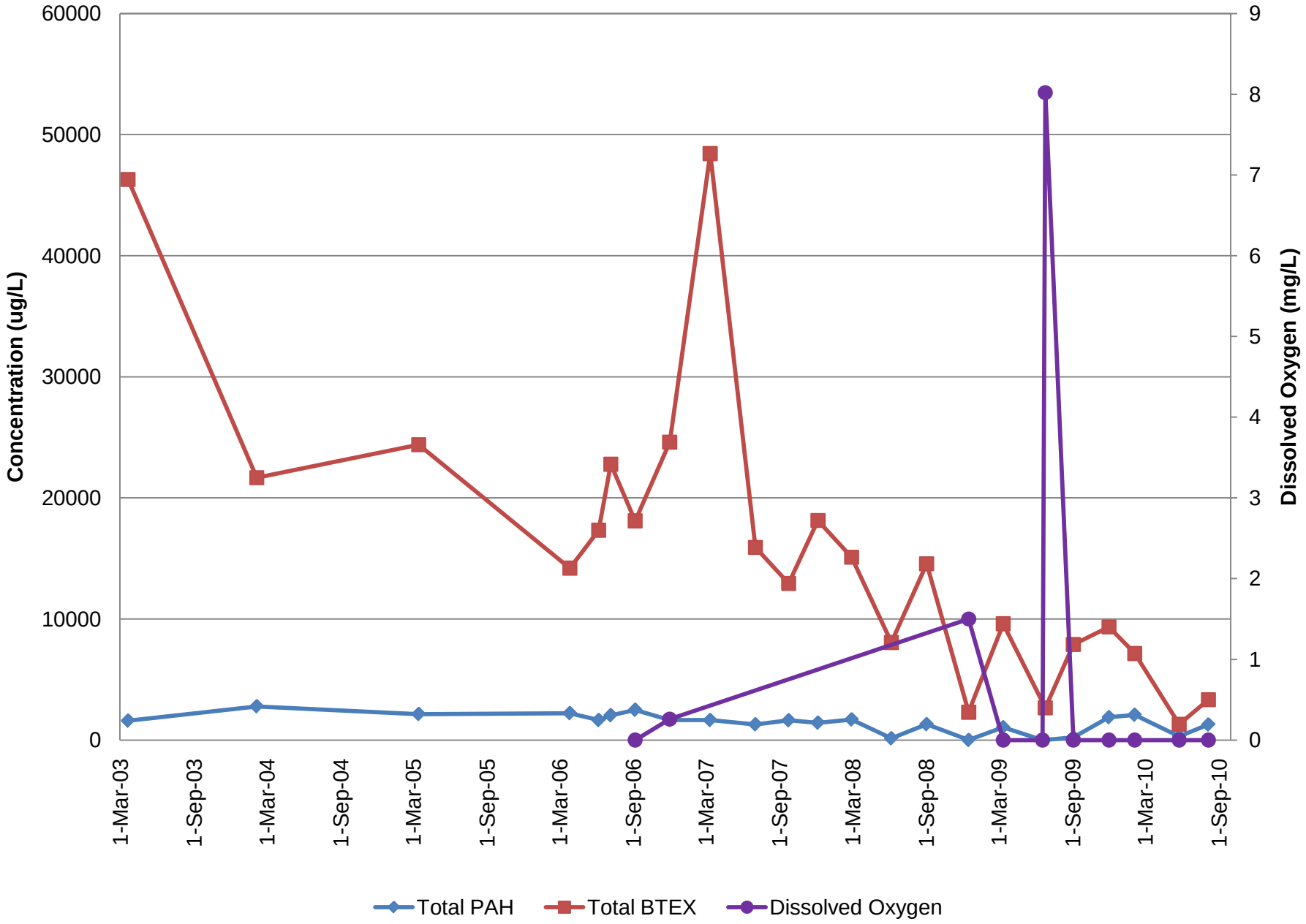
Monitoring Well MW-03S
3-13 ft bgs



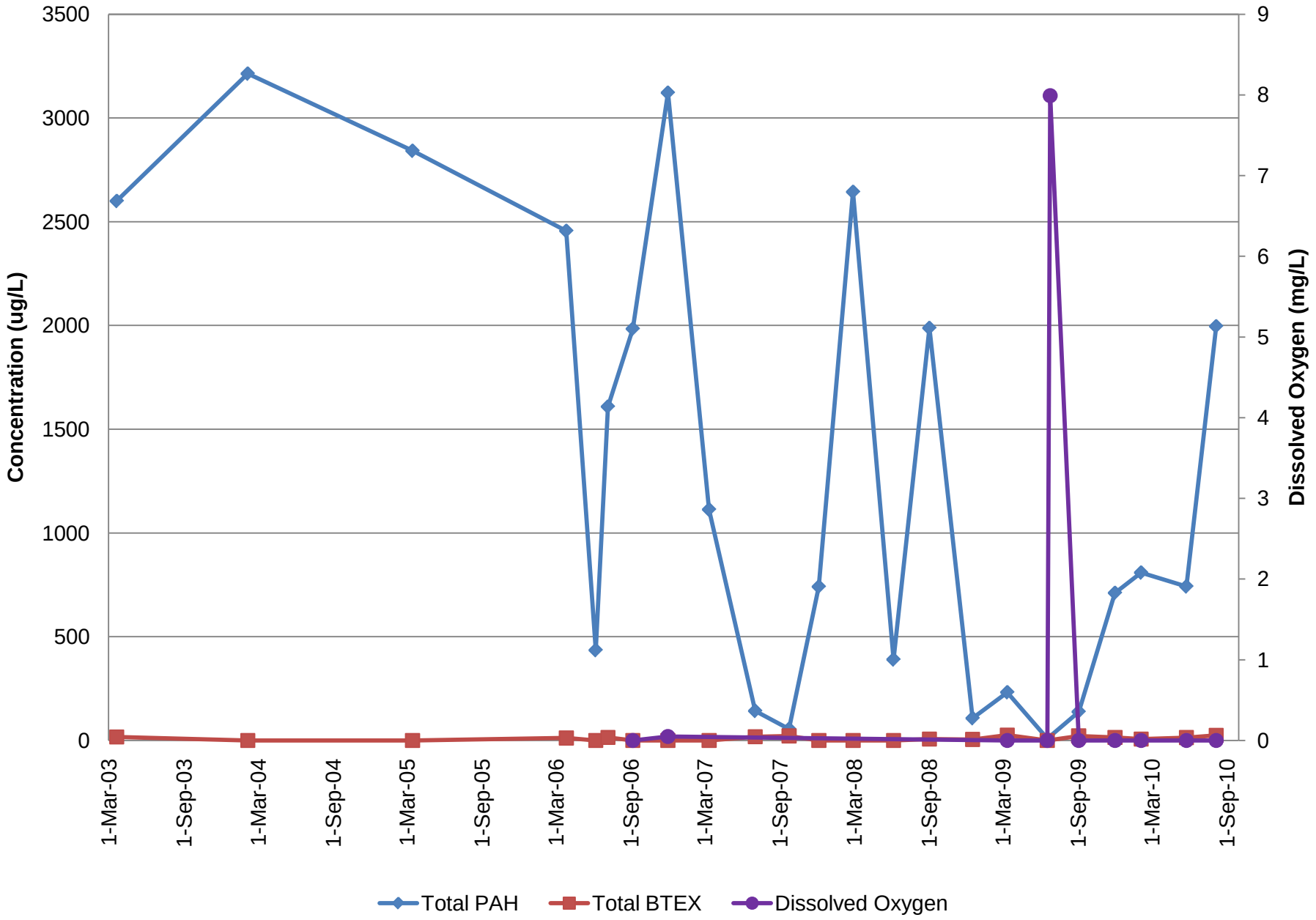
Monitoring Well MW-03D
35-45 ft bgs



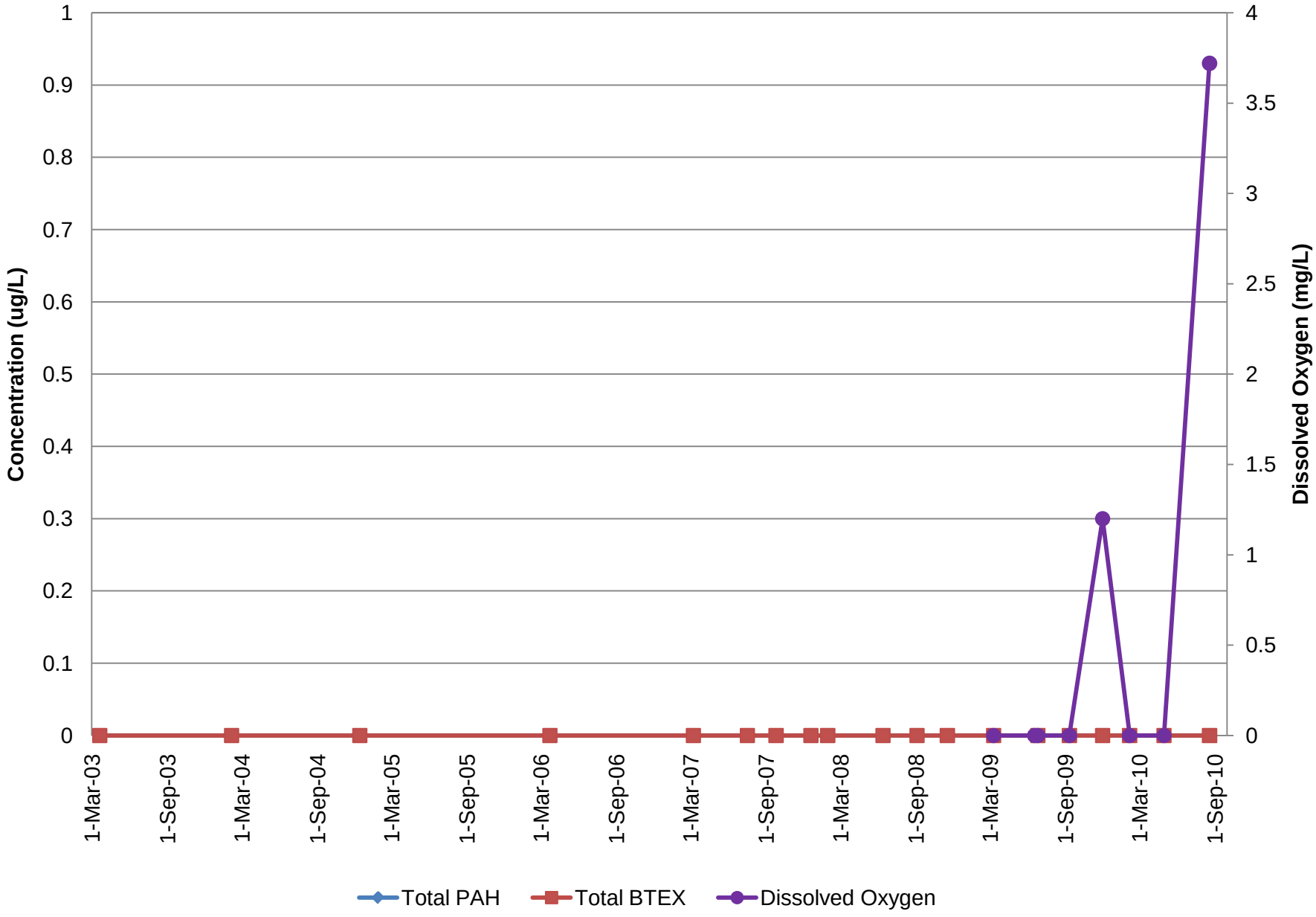
Monitoring Well MW-05S
4-14 ft bgs



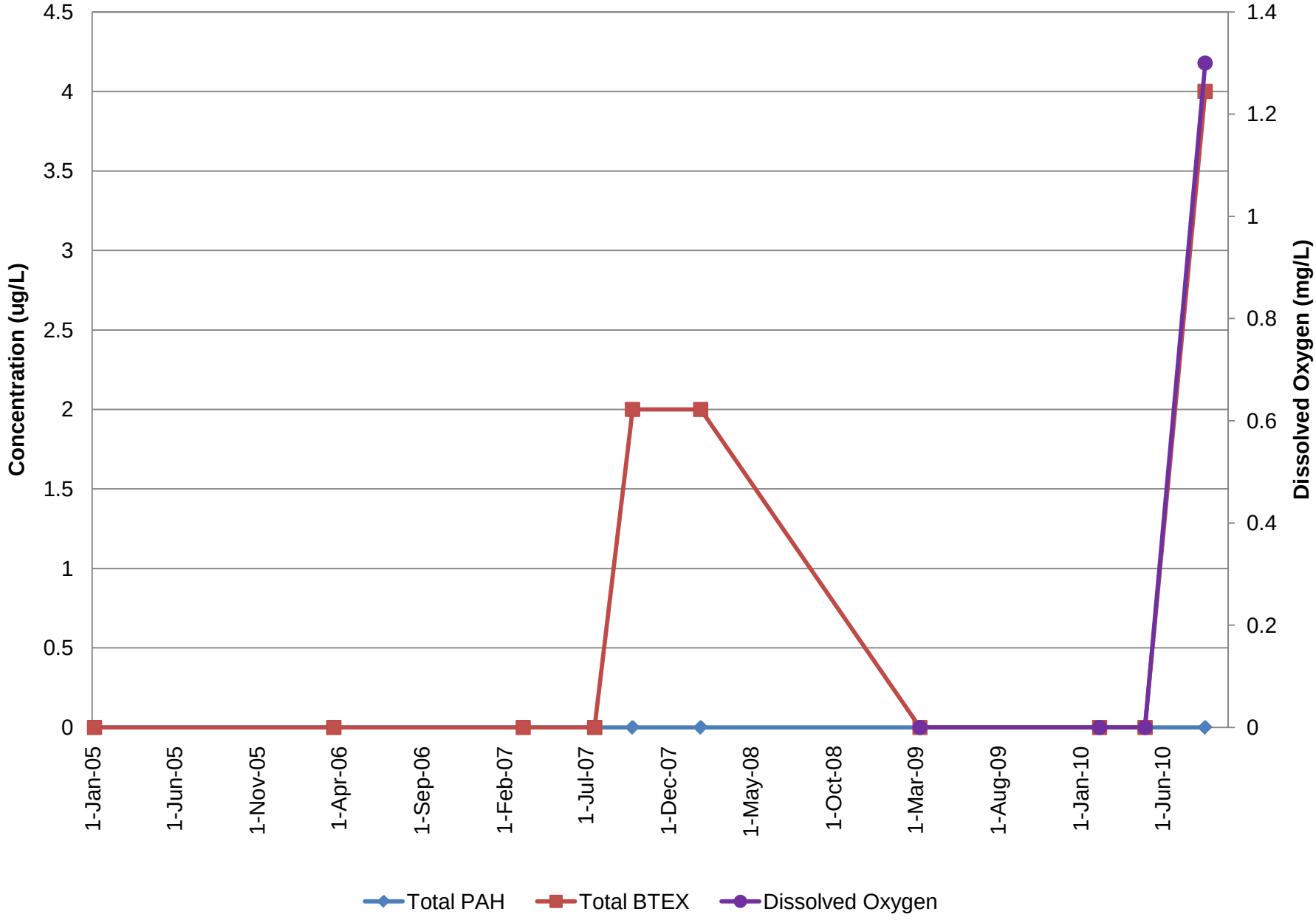
Monitoring Well MW-05D
35.5 - 45.5 ft bgs



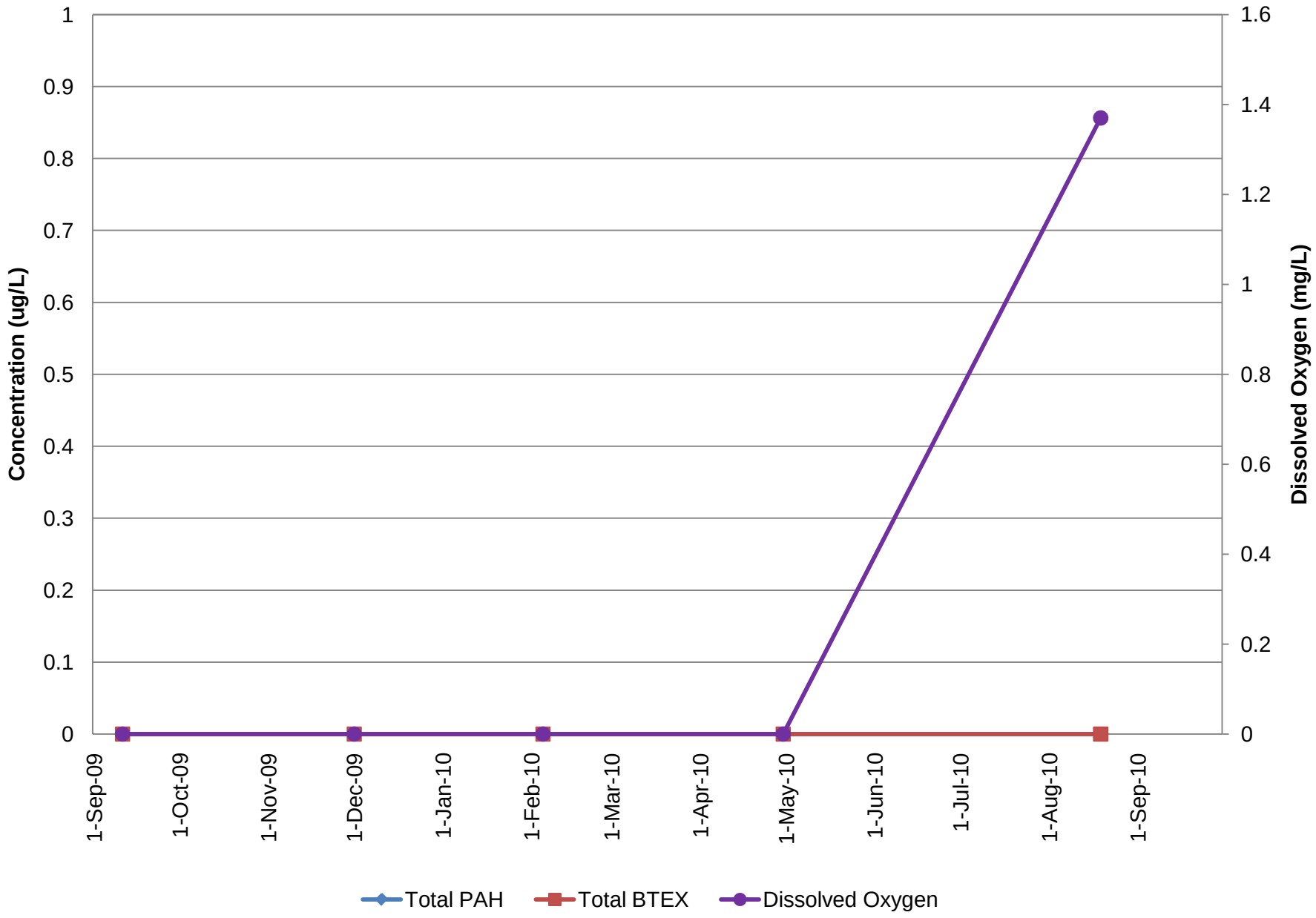
Monitoring Well MW-09S
4-14 ft bgs



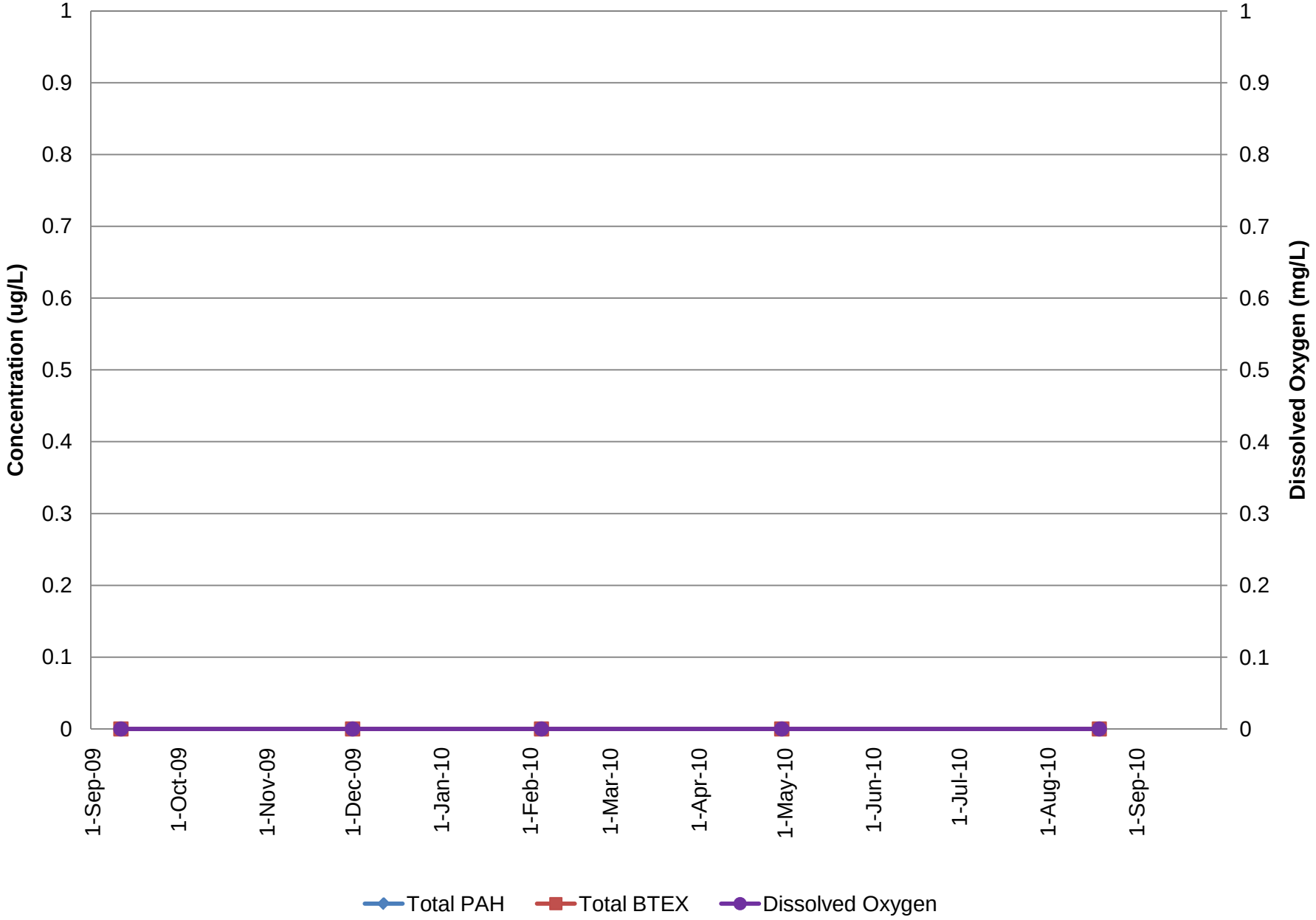
Monitoring Well MW-09I
30-40 ft bgs



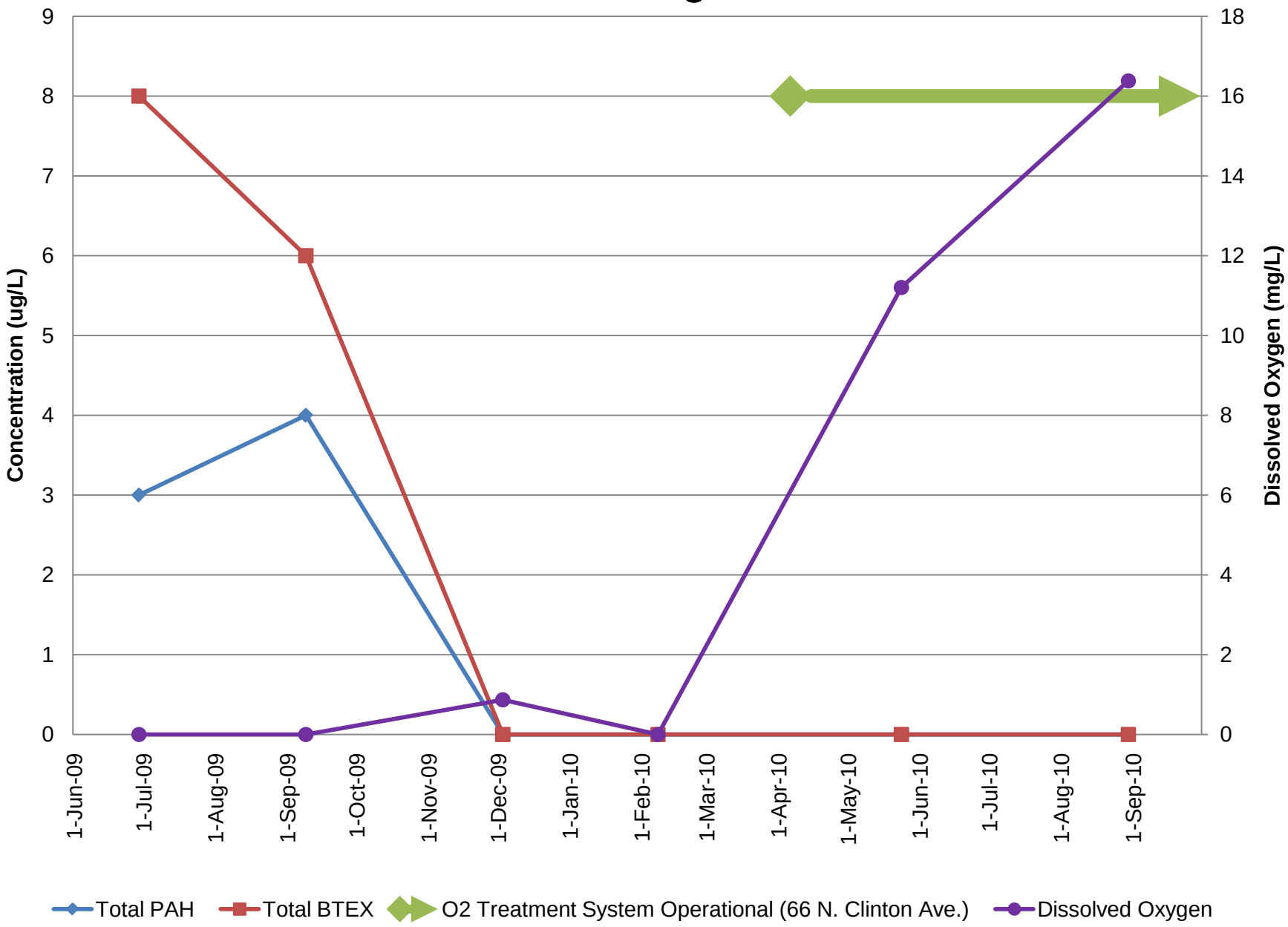
Monitoring Well MW-09I2
45-50 ft bgs



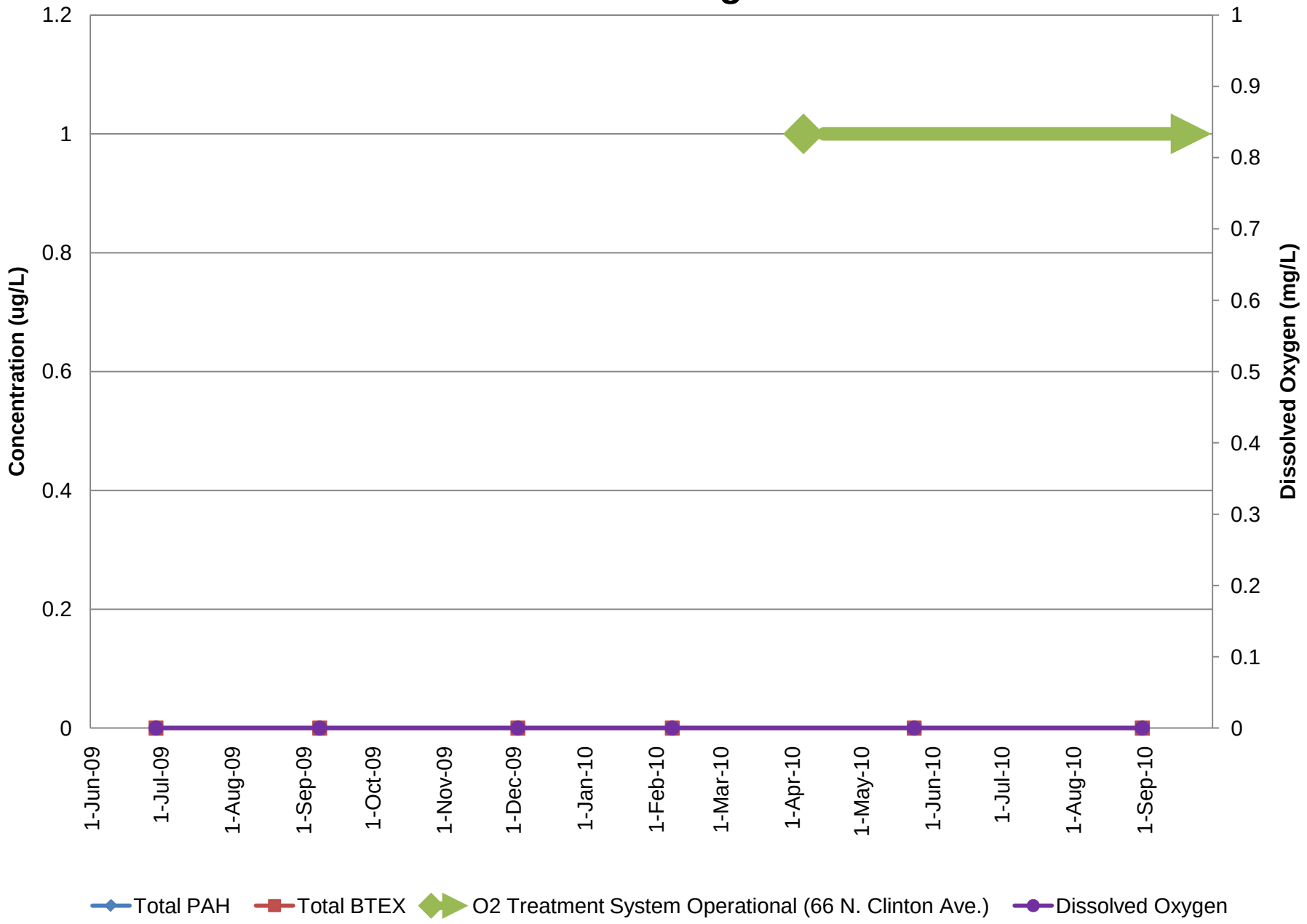
Monitoring Well MW-09D
65-70 ft bgs



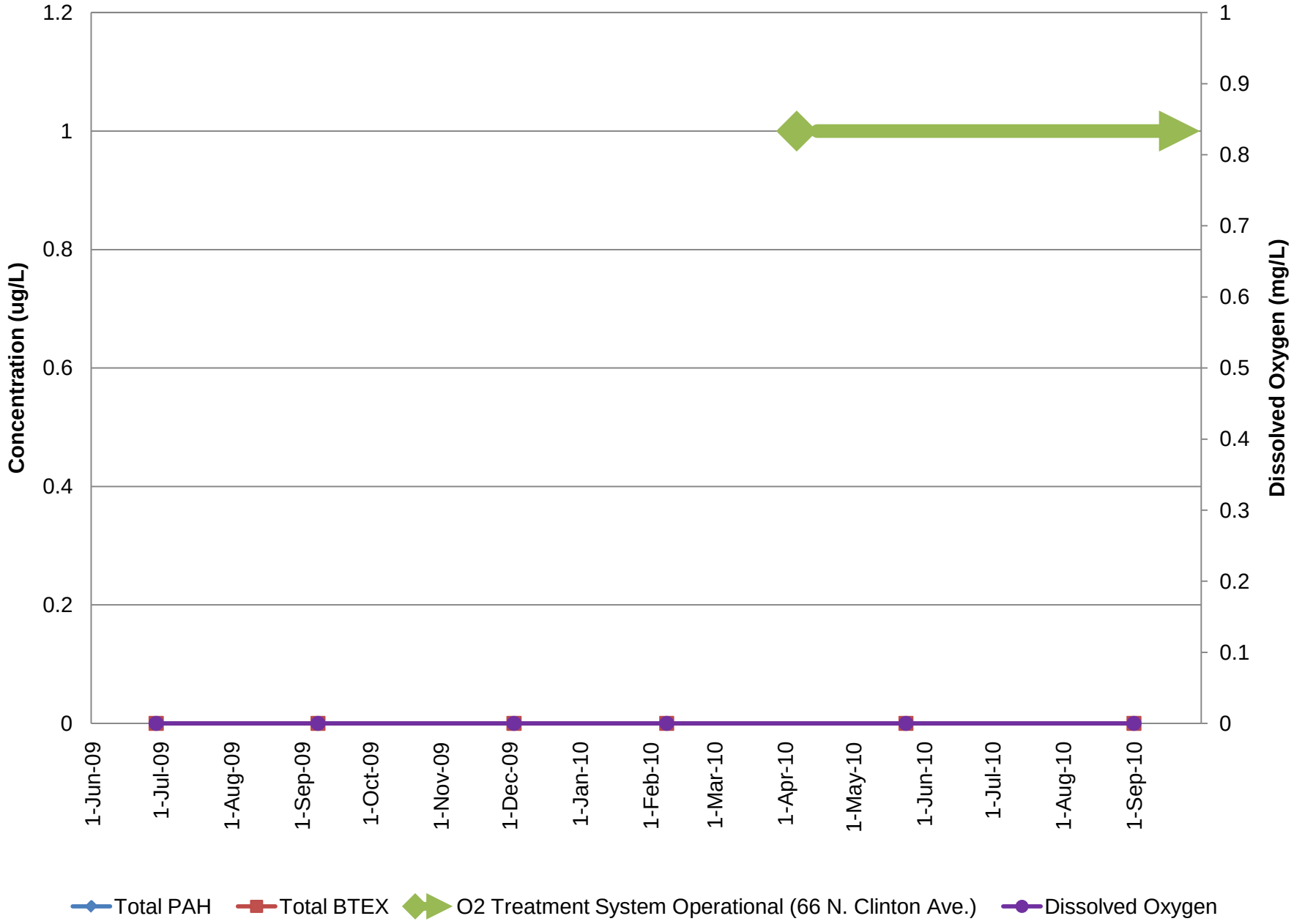
Monitoring Well OU2MW-48S
3-13 ft bgs



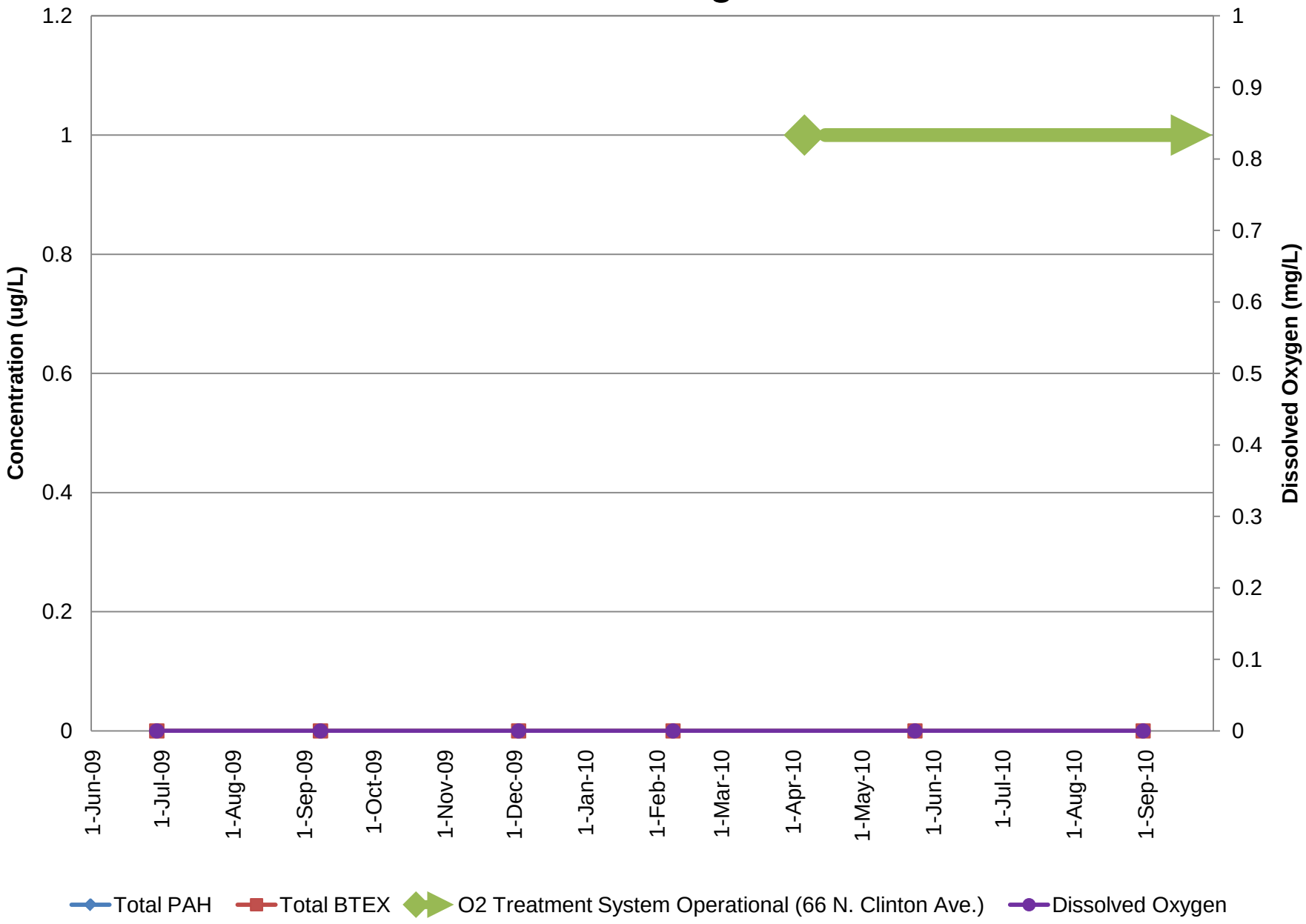
Monitoring Well OU2MW-48I
25-30 ft bgs



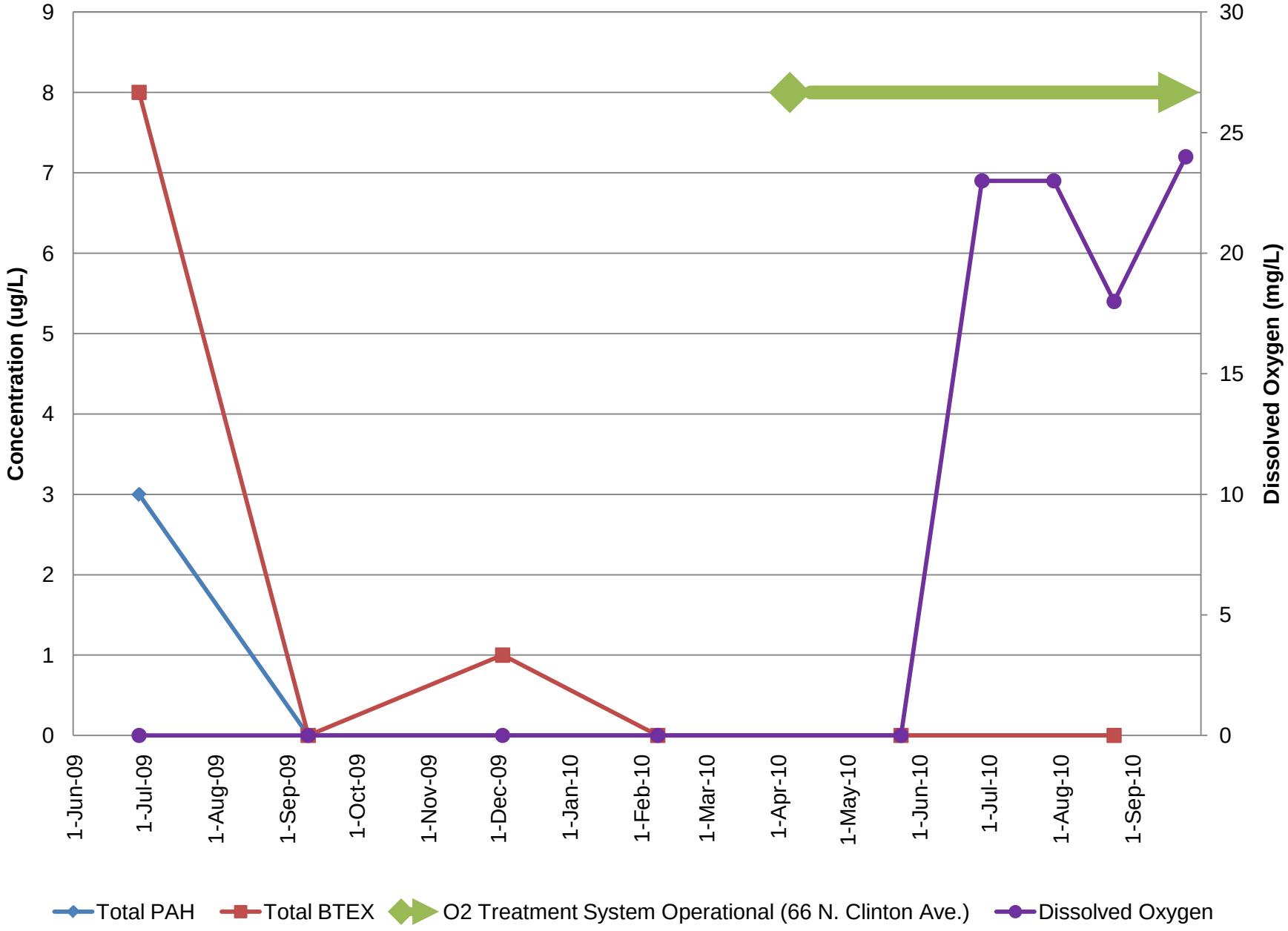
Monitoring Well OU2MW-48I2
45-50 ft bgs



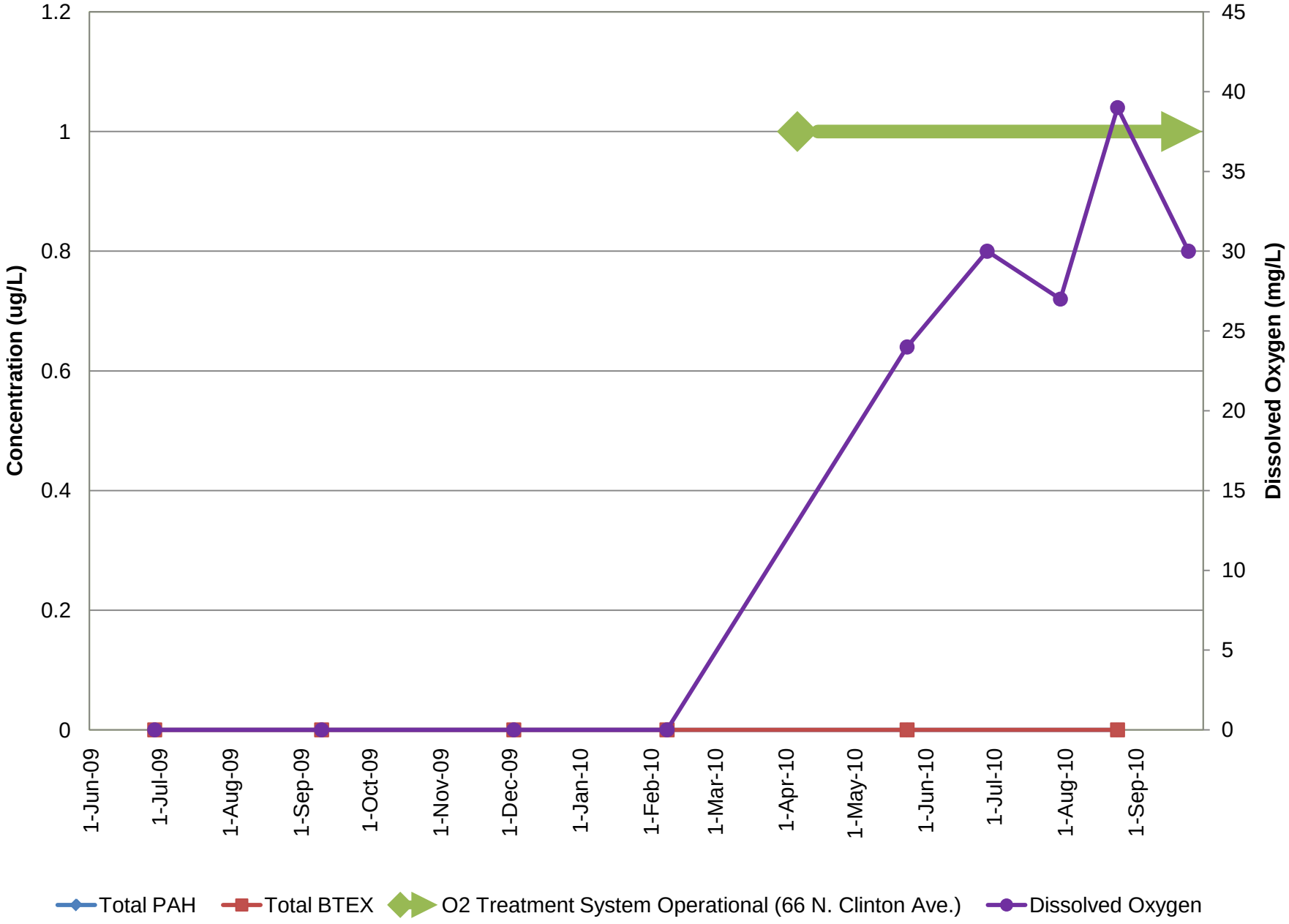
Monitoring Well OU2MW-48D
65-70 ft bgs



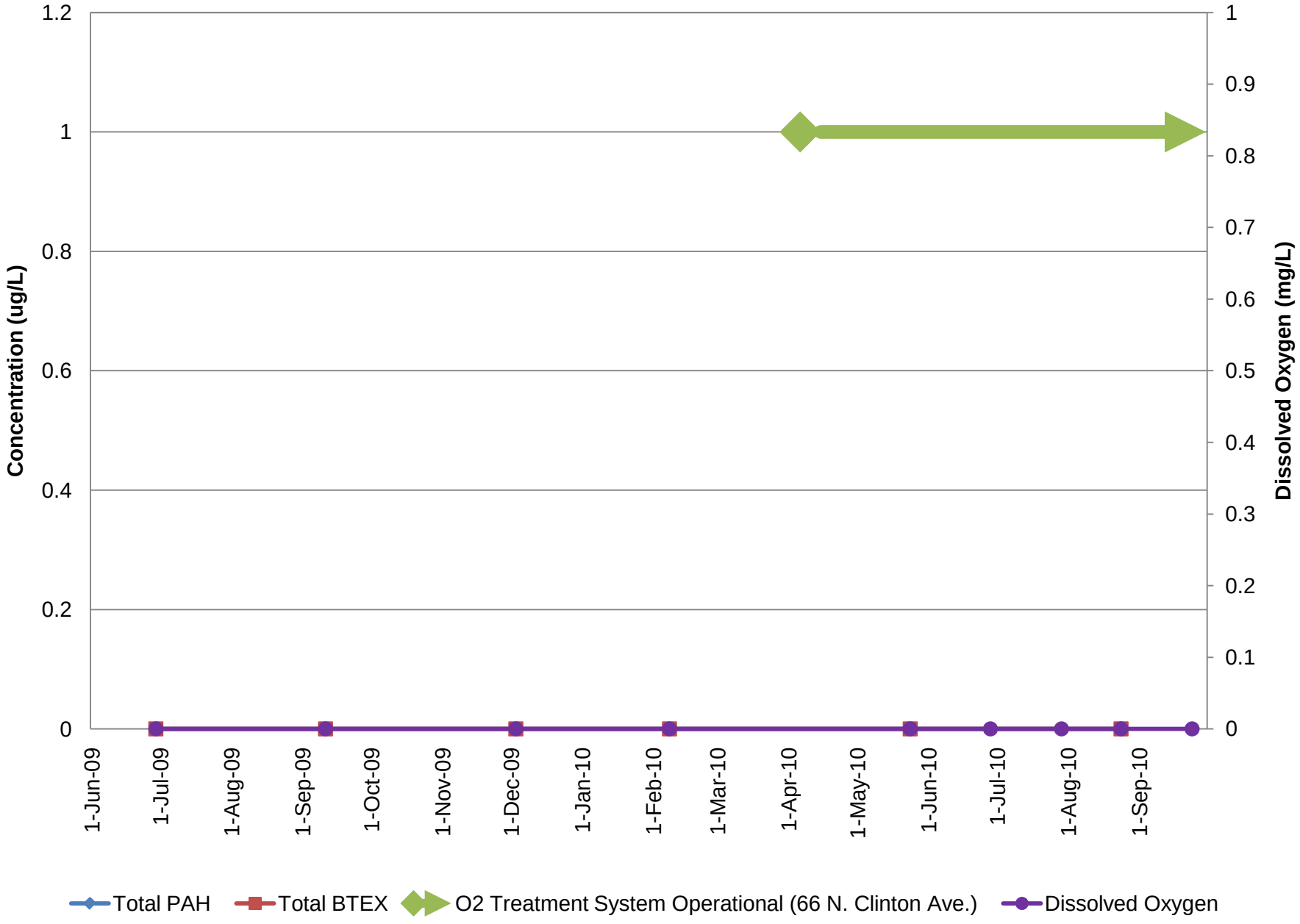
Monitoring Well OU2MW-49S
3-13 ft bgs



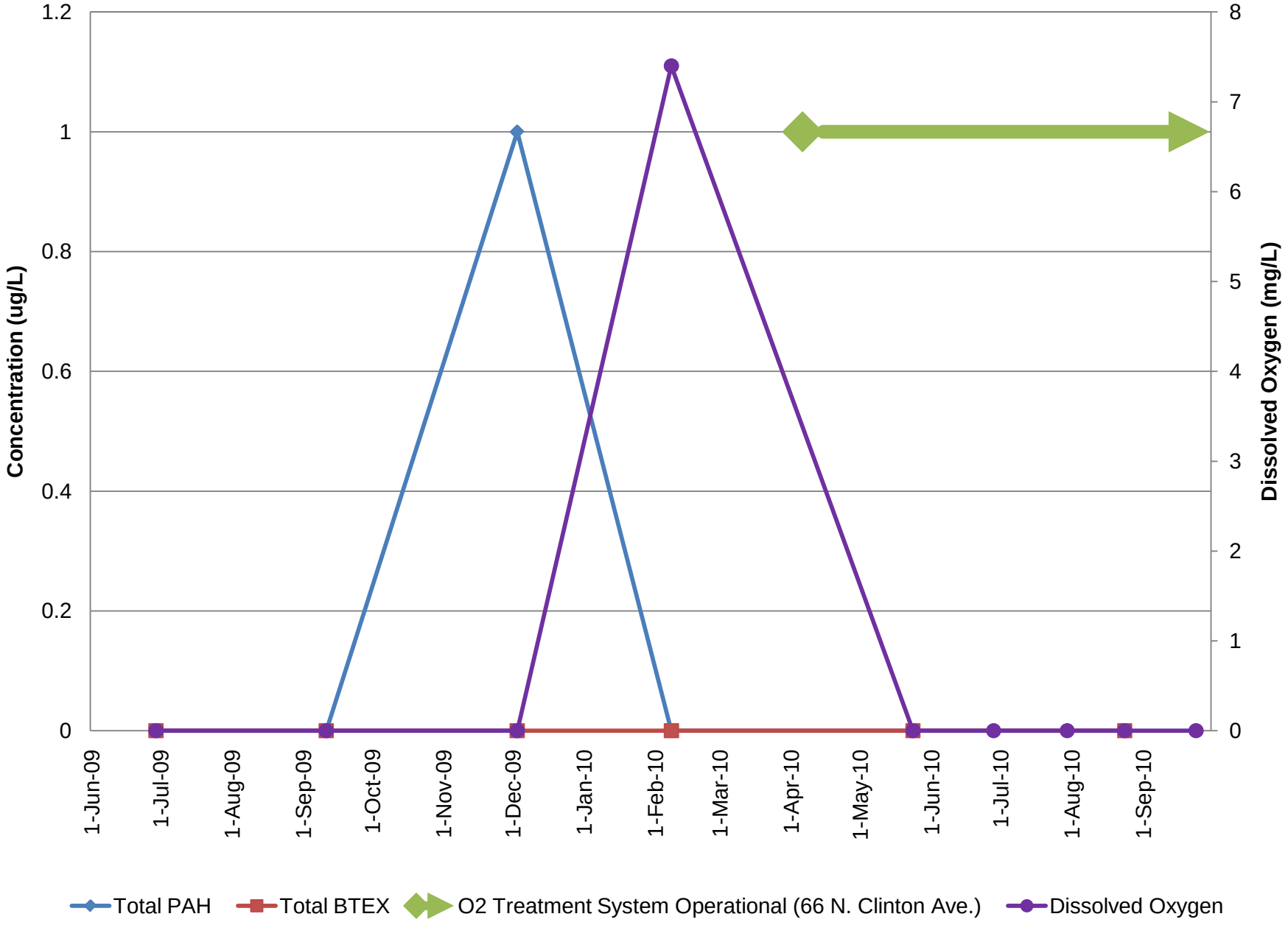
Monitoring Well OU2MW-49I
25-30 ft bgs



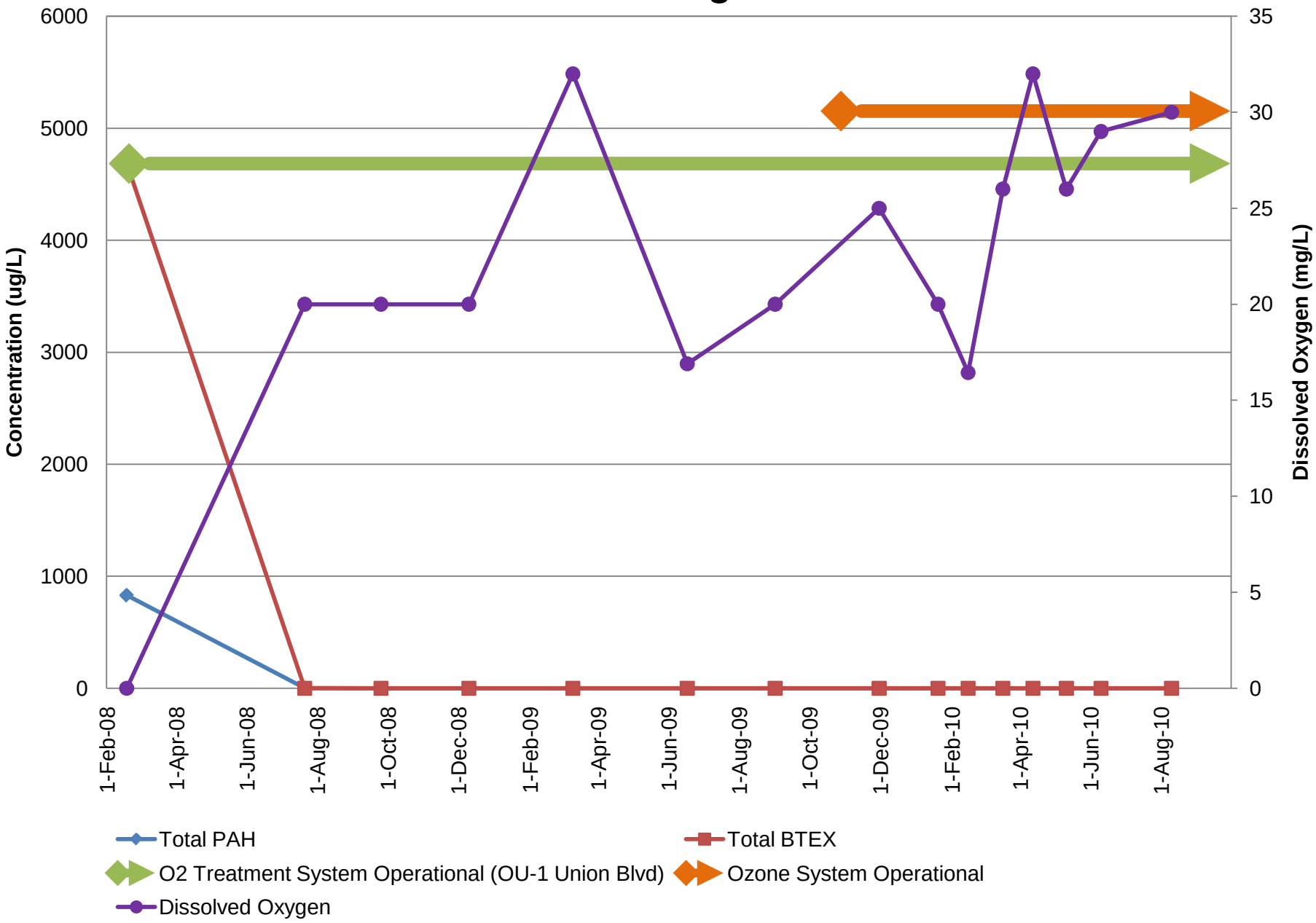
Monitoring Well OU2MW-49I2
45-50 ft bgs



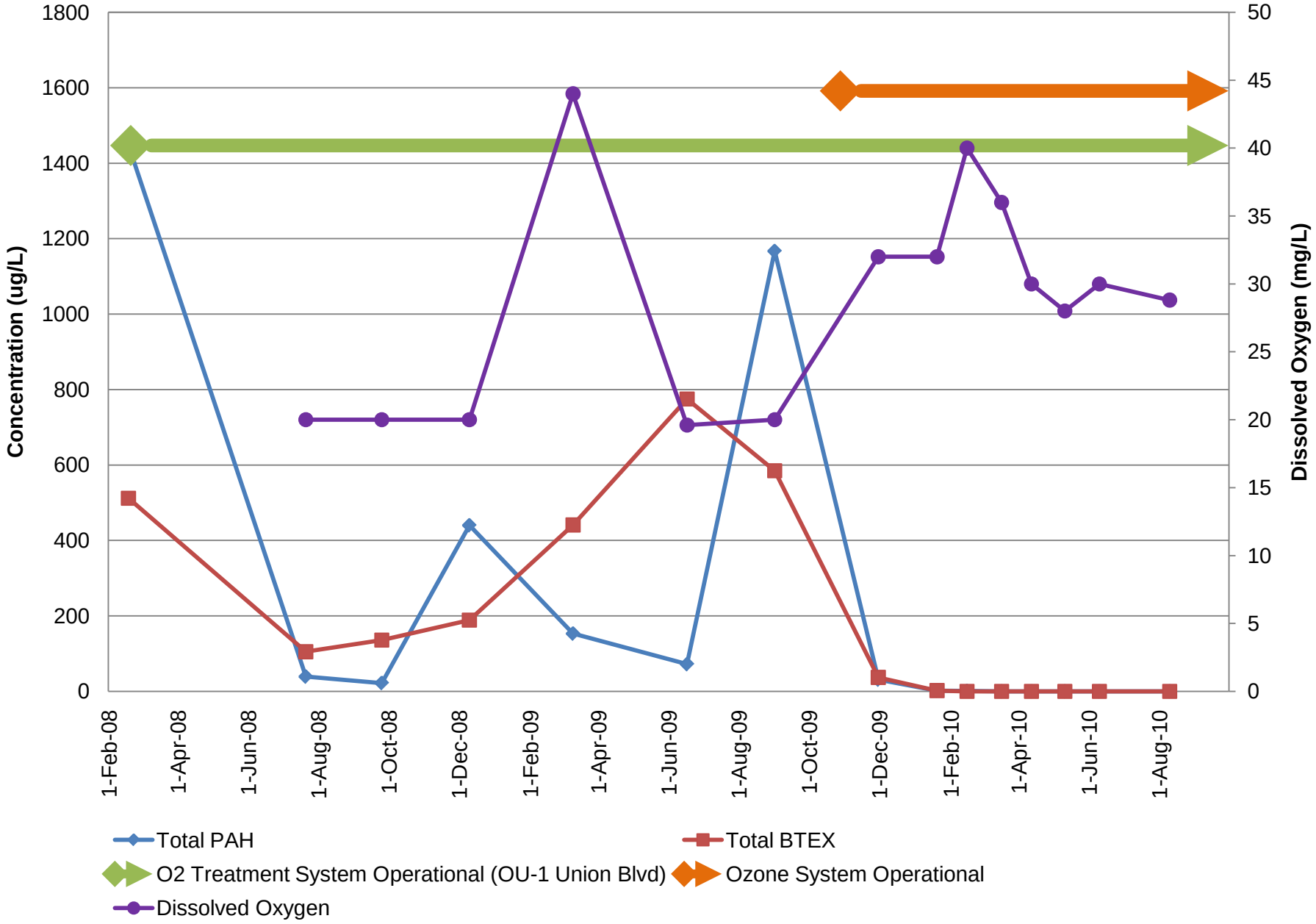
Monitoring Well OU2MW-49D
63-68 ft bgs



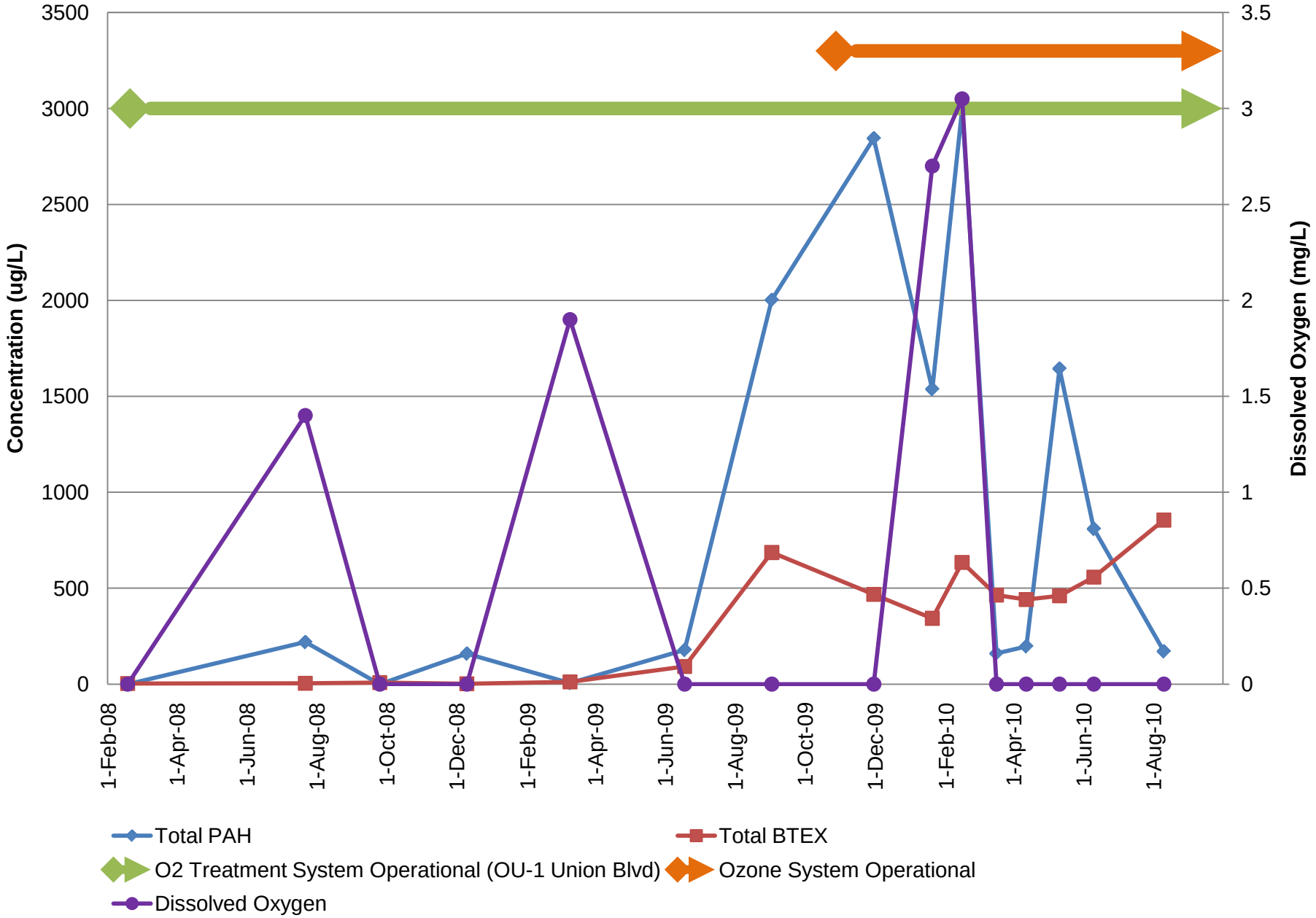
Monitoring Well OZMW-16S
5-15 ft bgs



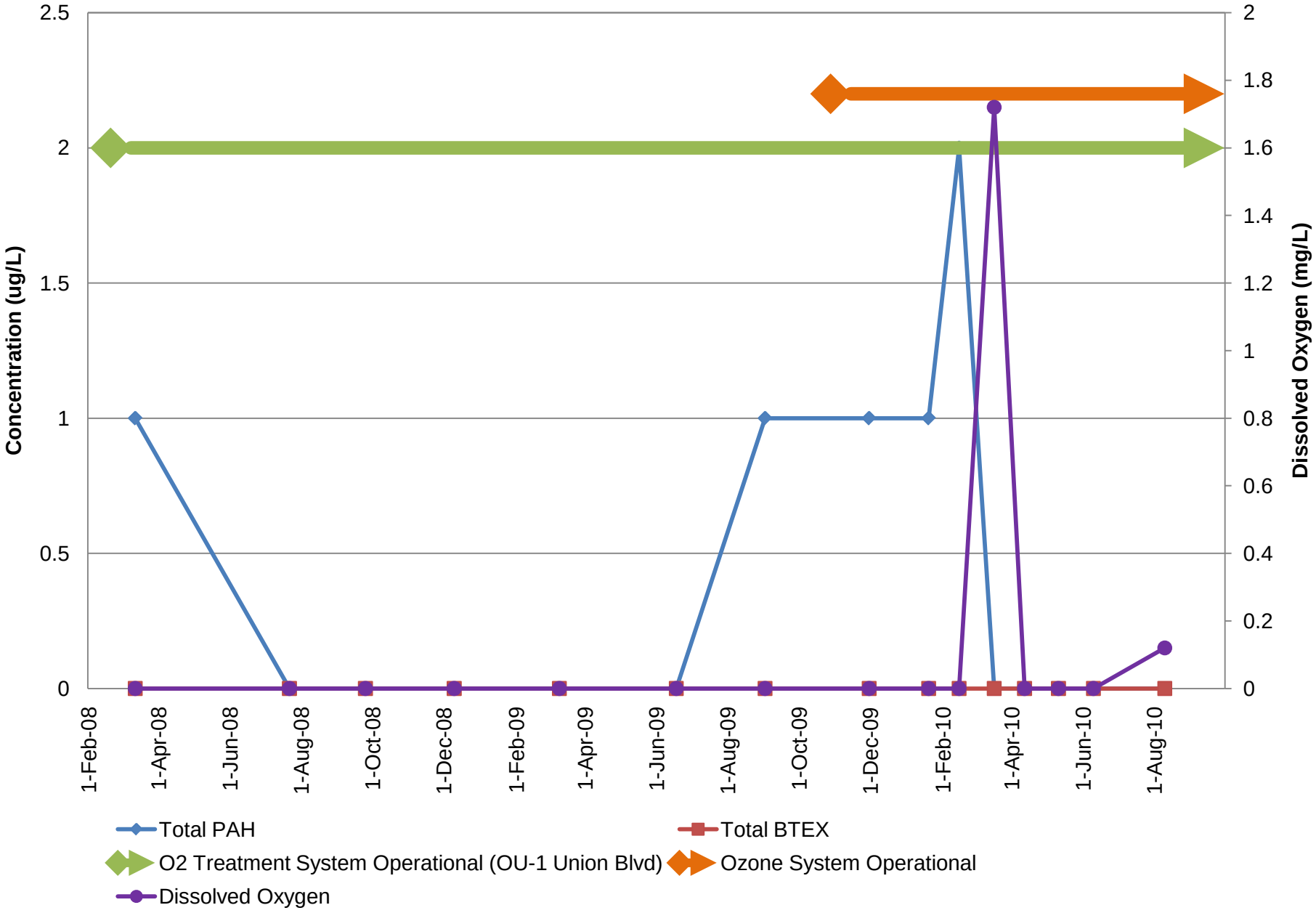
Monitoring Well OZMW-16I
20-30 ft bgs



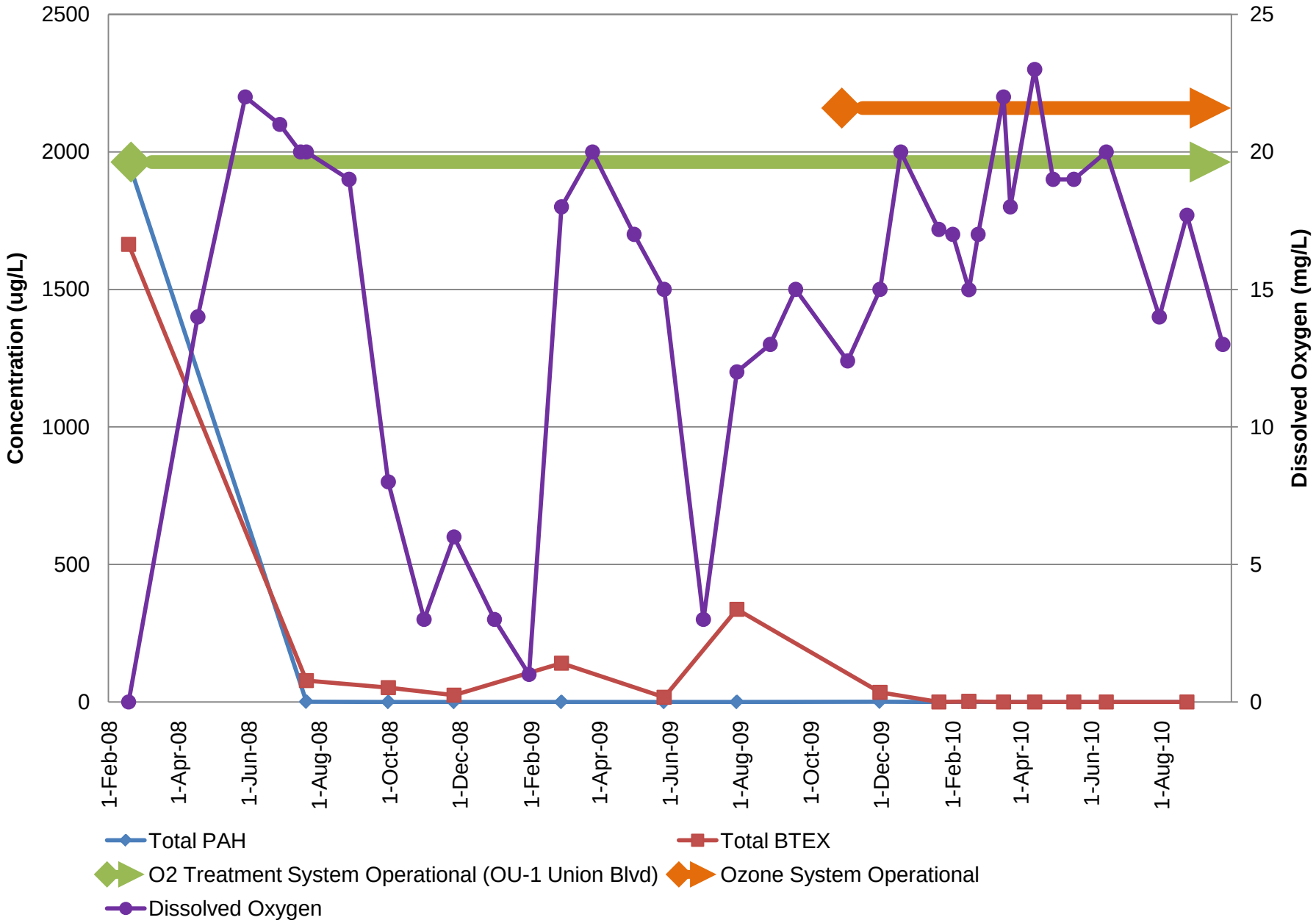
Monitoring Well OZMW-16I2
35-40 ft bgs



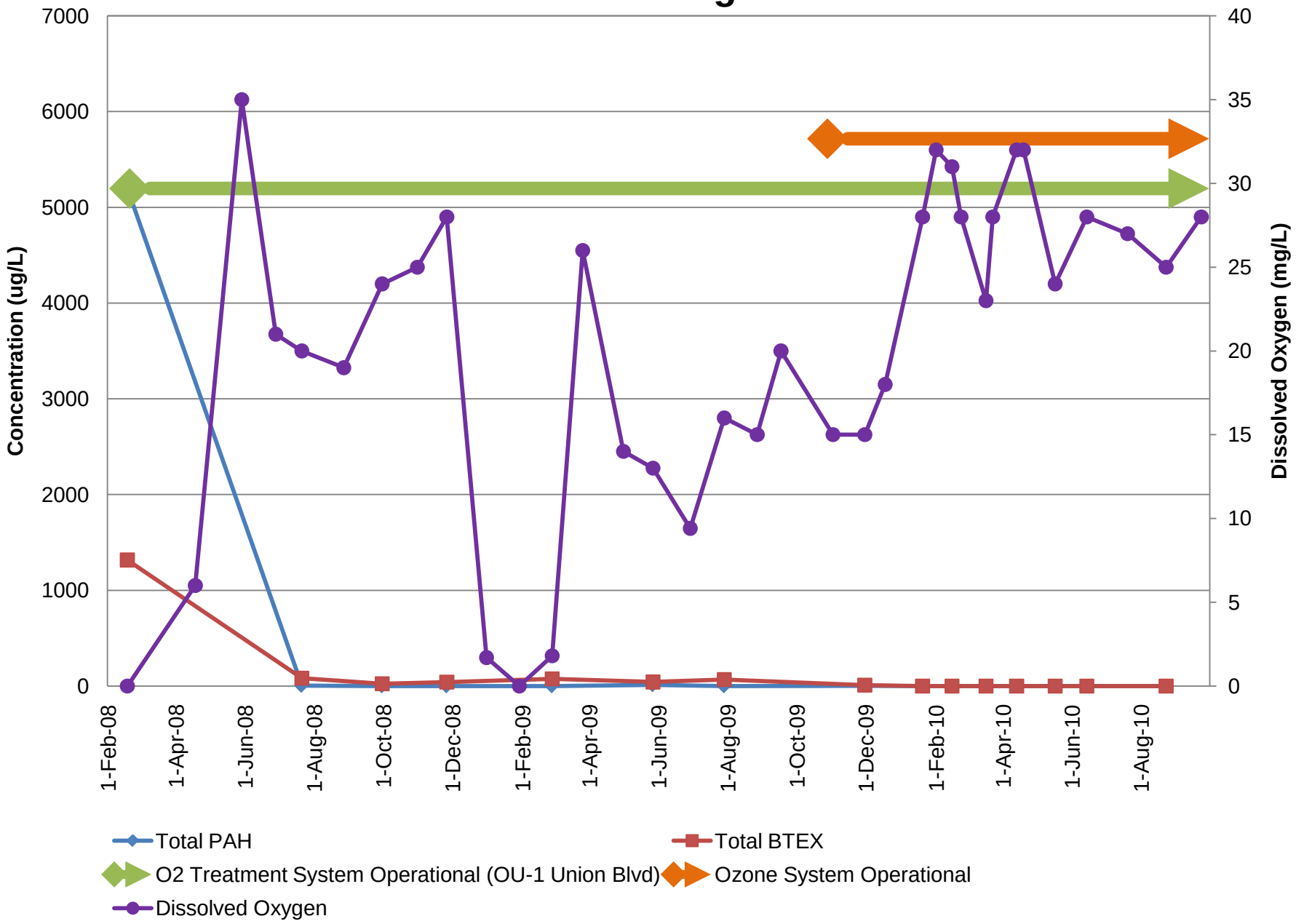
Monitoring Well OZMW-16D
55-65 ft bgs



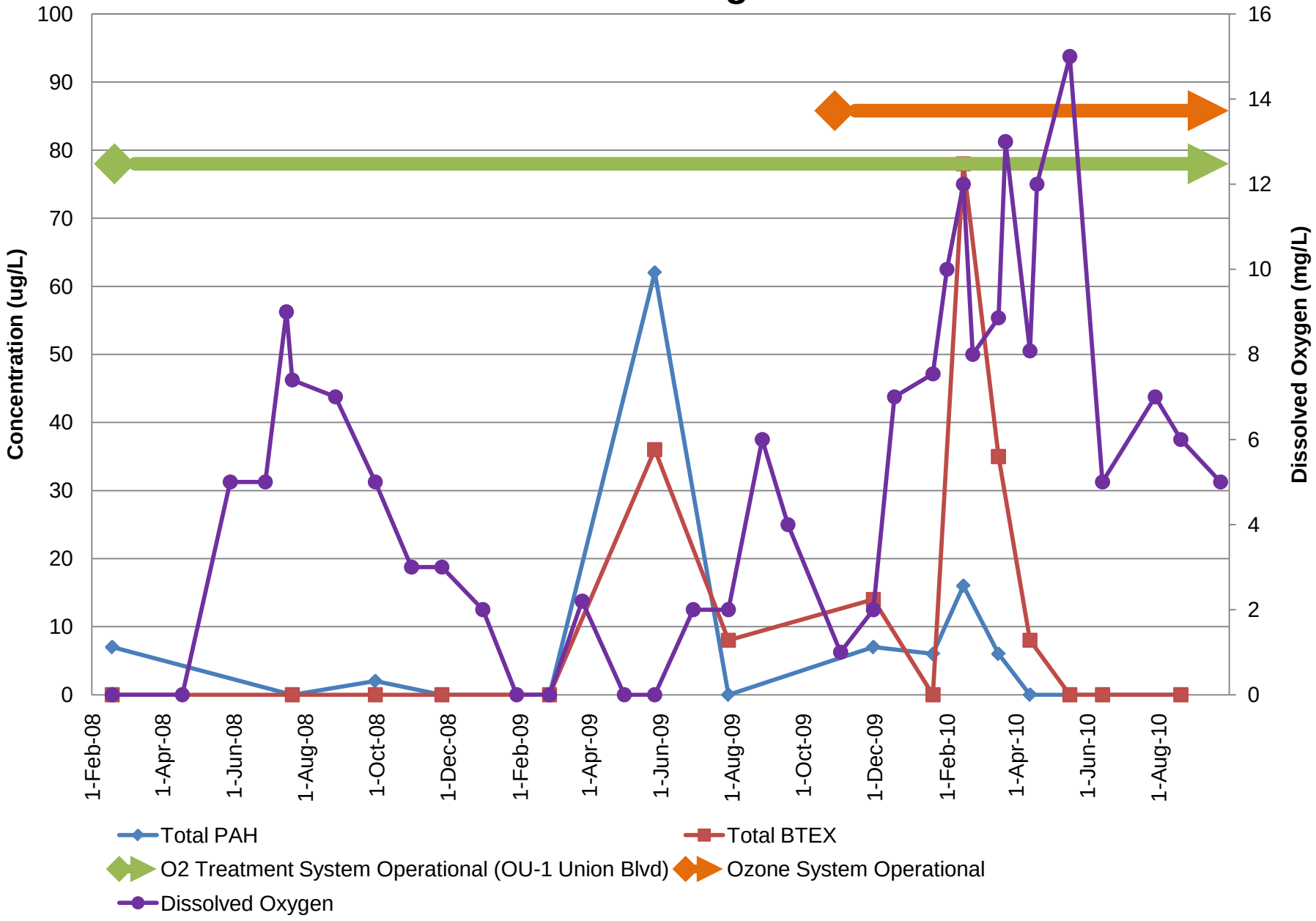
Monitoring Well OZMW-17S
5-15 ft bgs



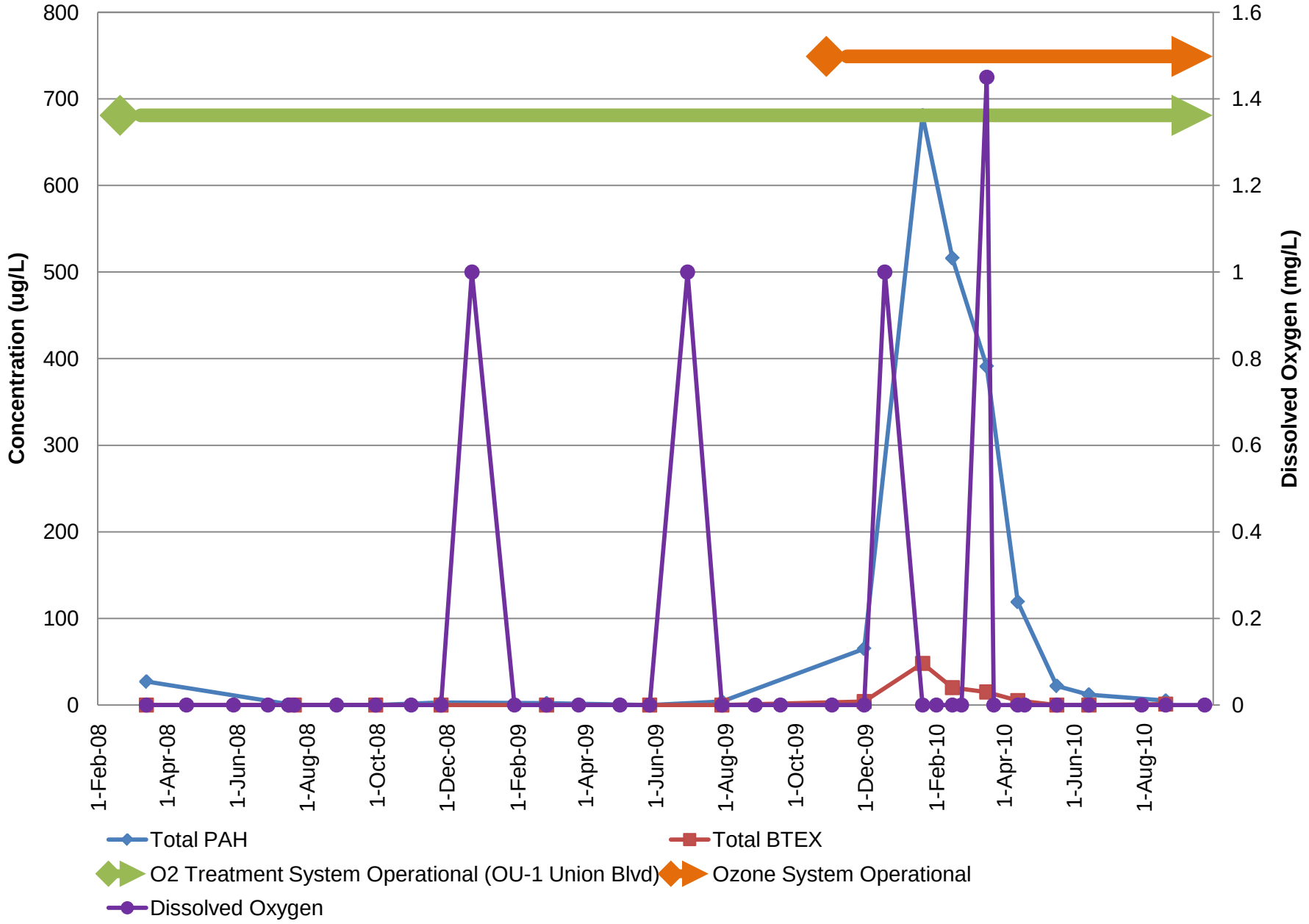
Monitoring Well OZMW-17I
20-30 ft bgs



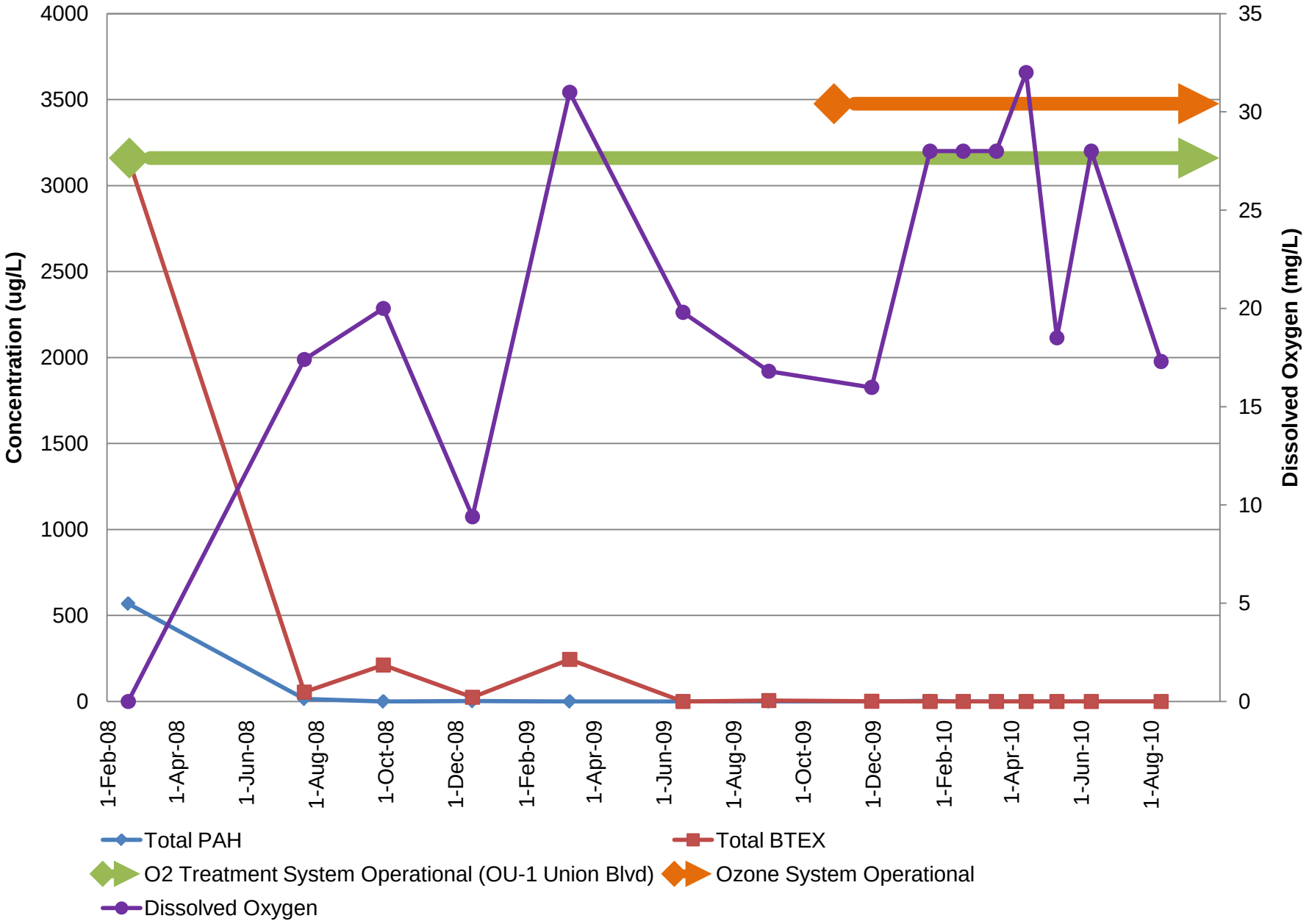
Monitoring Well OZMW-17I2
35-45 ft bgs



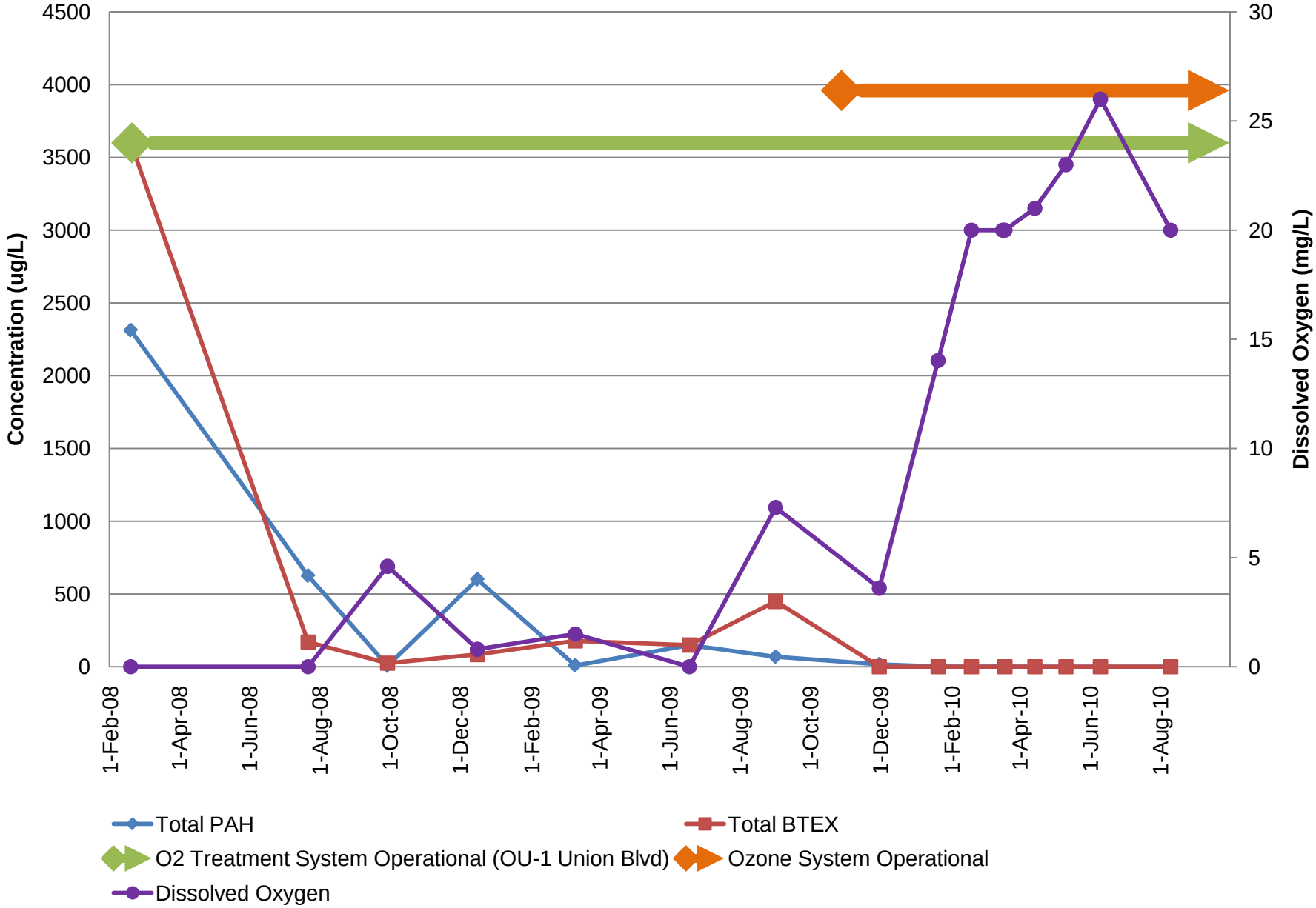
Monitoring Well OZMW-17D
53-63 ft bgs



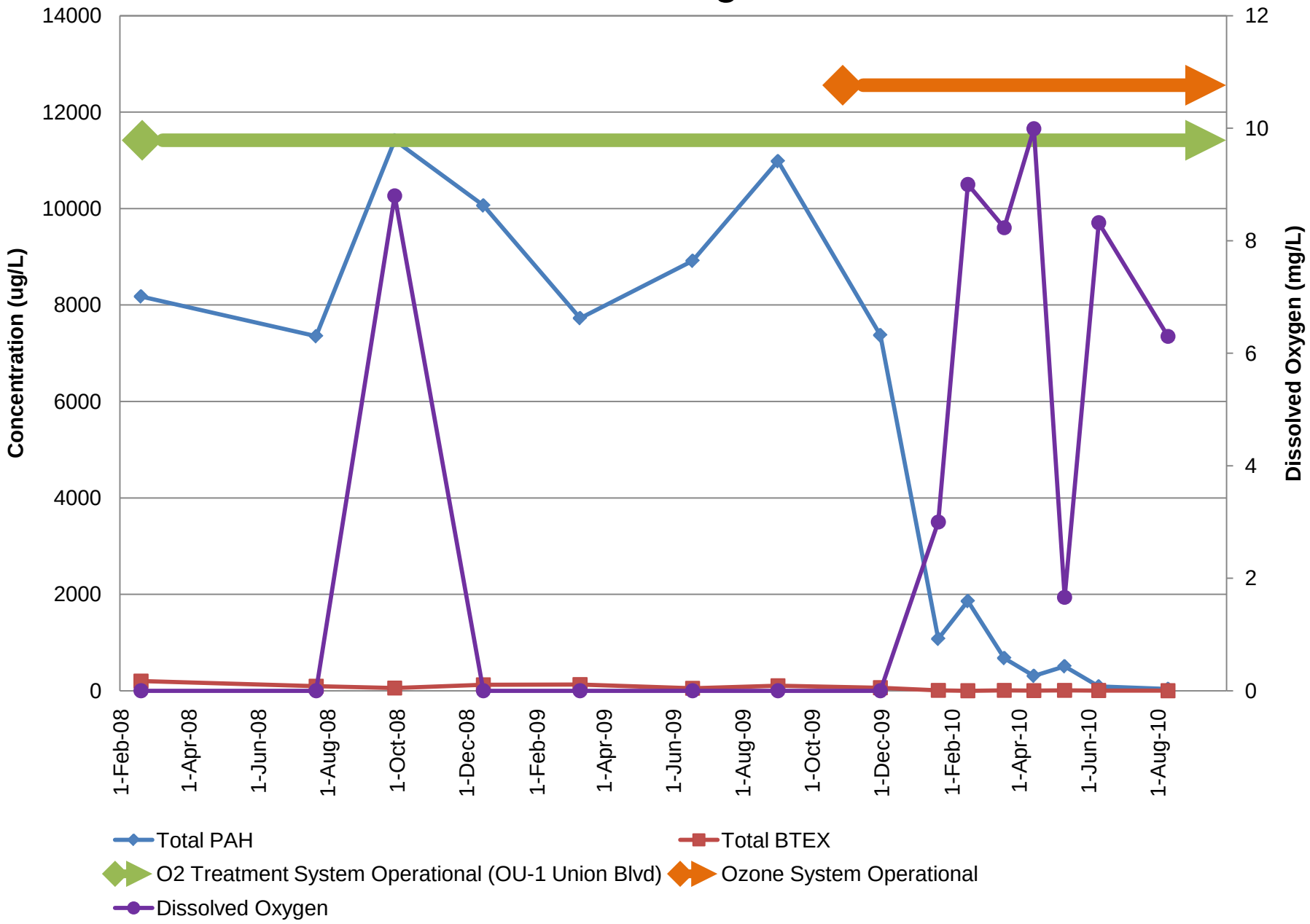
Monitoring Well OZMW-18S
5-15 ft bgs



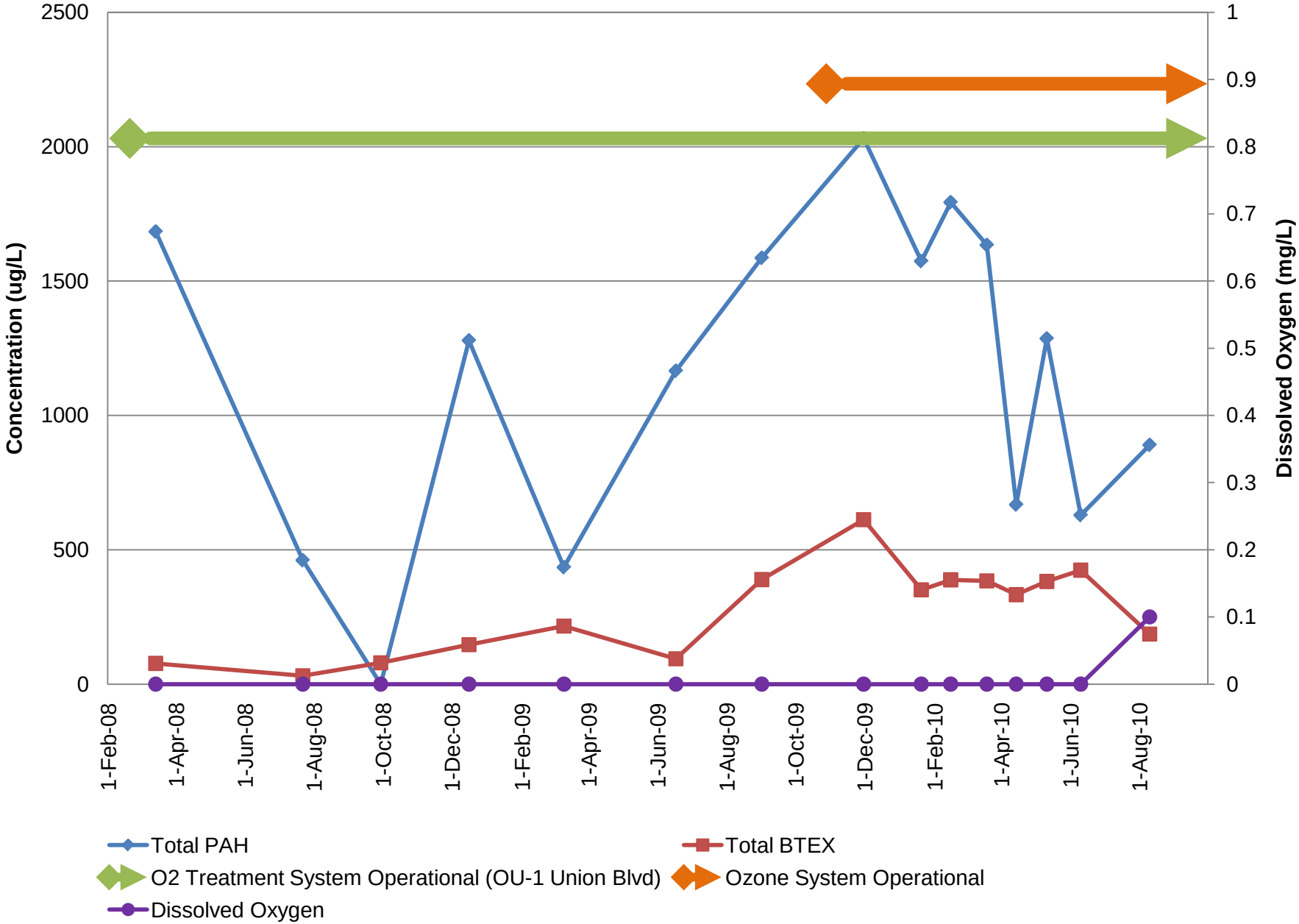
Monitoring Well OZMW-18I
20-30 ft bgs

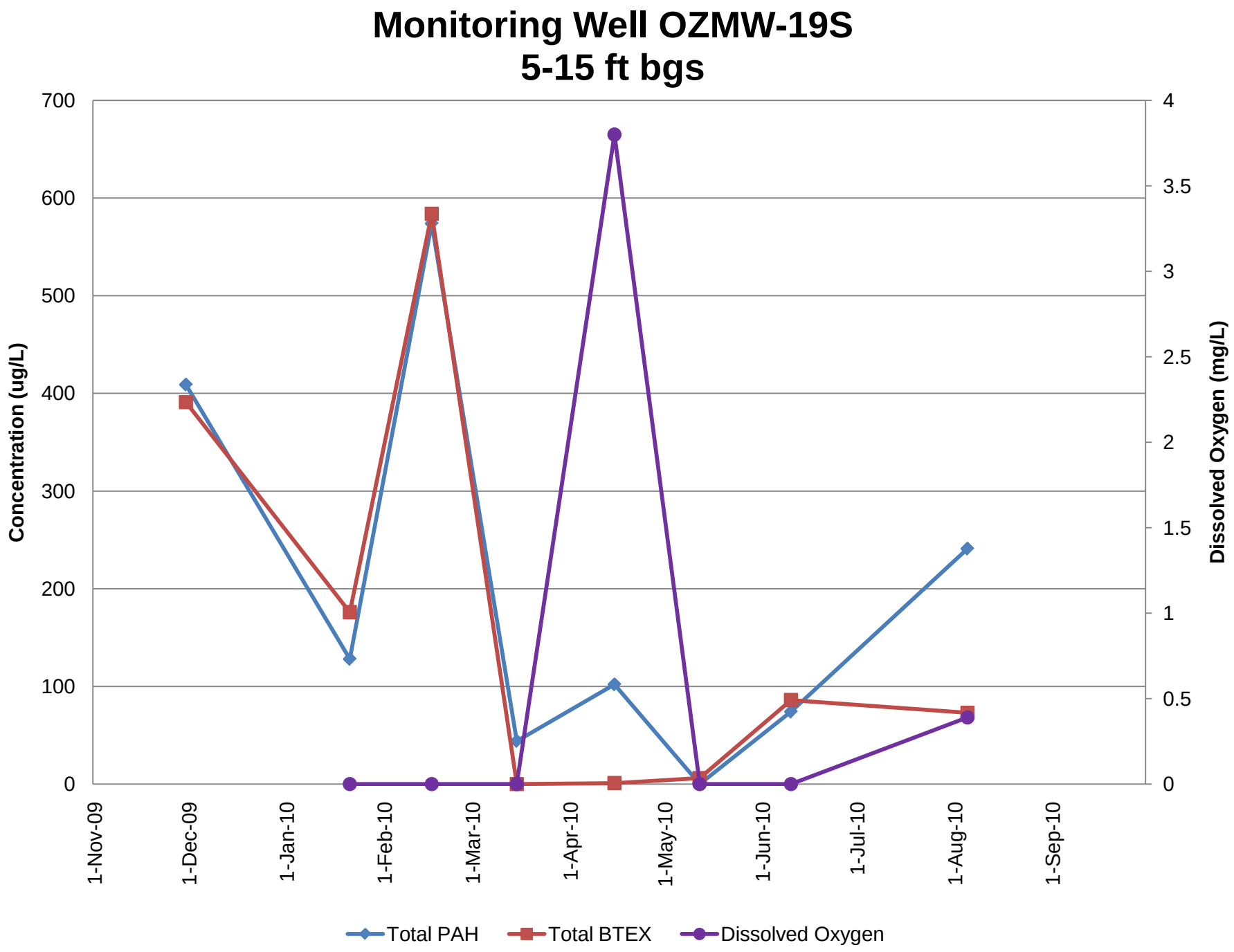


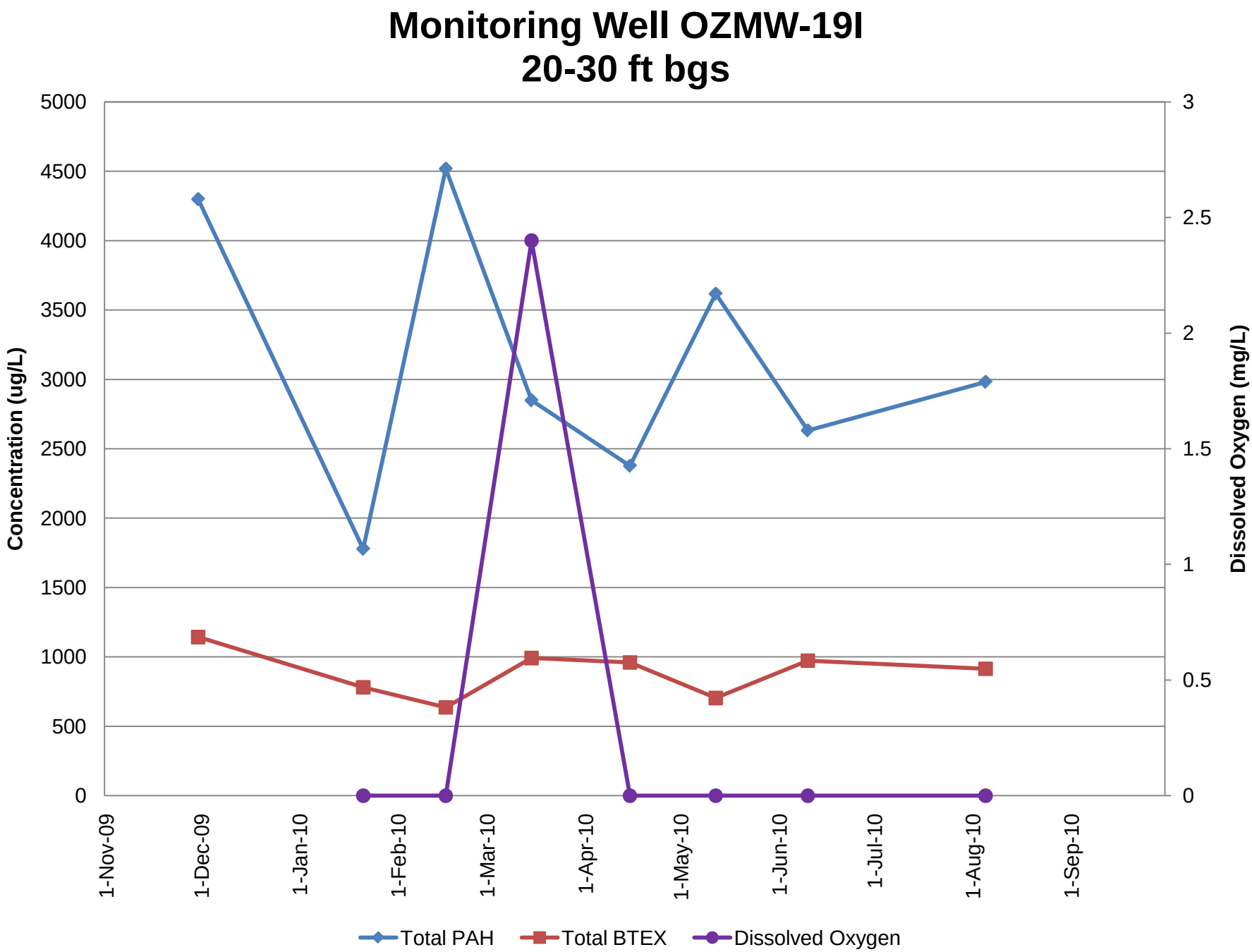
Monitoring Well OZMW-18I2
35-45 ft bgs



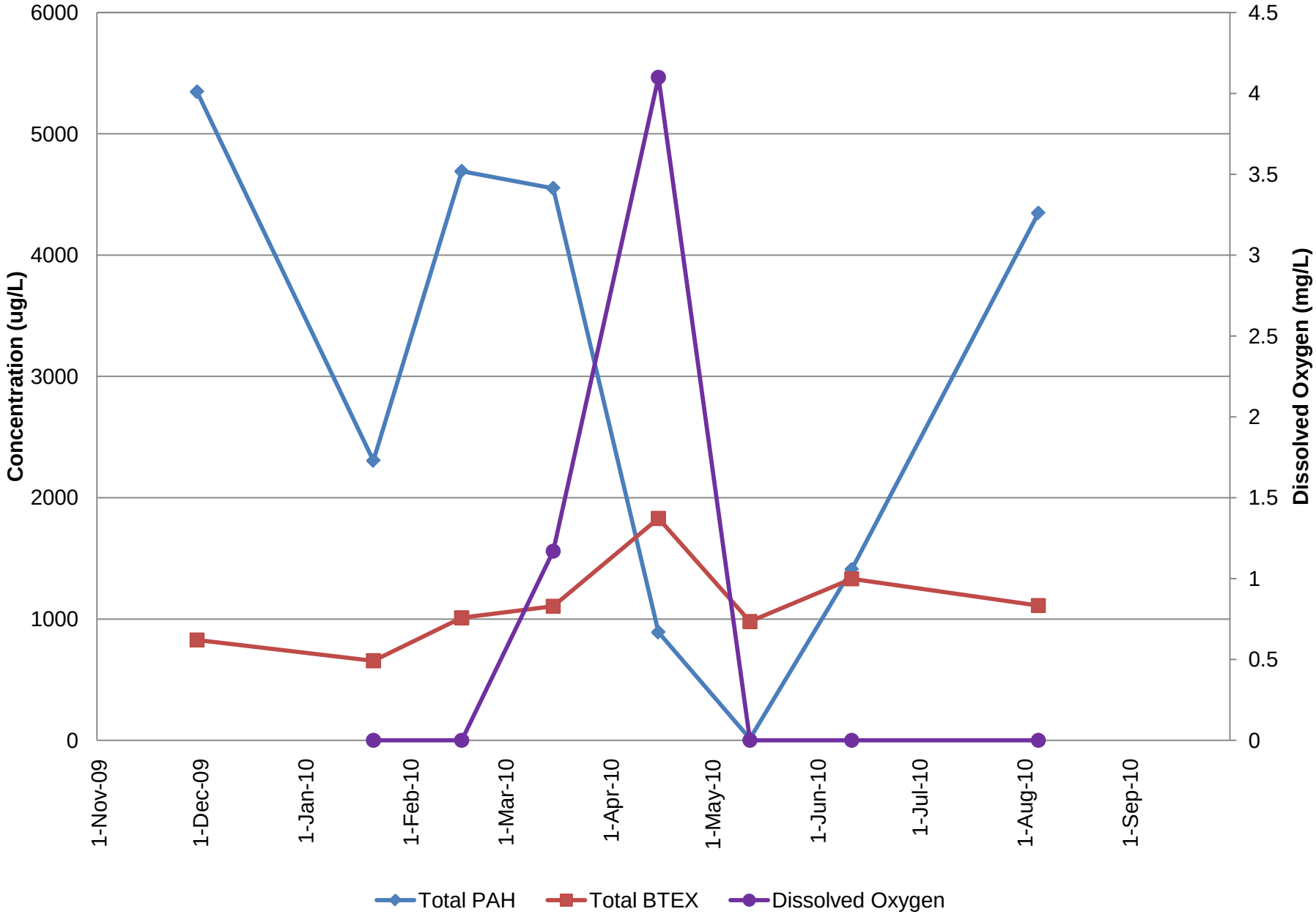
Monitoring Well OZMW-18D
55-65 ft bgs



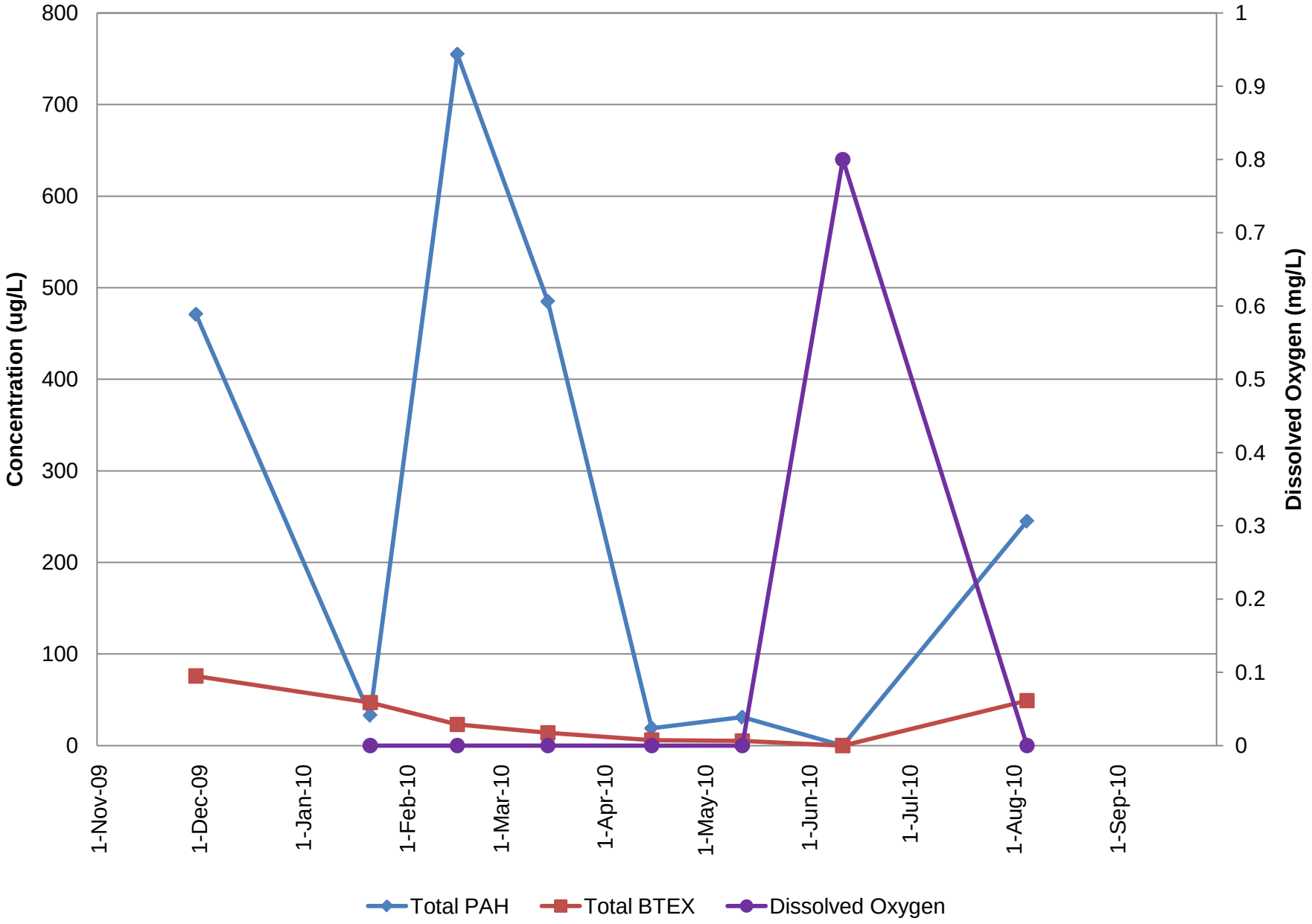

Monitoring Well OZMW-19S
5-15 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
700
600
500
400
300
200
100
0
4
3.5
3
2.5
2
1.5
1
0.5
0
1-Nov-09
1-Dec-09
1-Jan-10
1-Feb-10
1-Mar-10
1-Apr-10
1-May-10
1-Jun-10
1-Jul-10
1-Aug-10
1-Sep-10
Total PAH
Total BTEX
Dissolved Oxygen


Monitoring Well OZMW-19I
20-30 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
5000
4500
4000
3500
3000
2500
2000
1500
1000
500
0
3
2.5
2
1.5
1
0.5
0
1-Nov-09
1-Dec-09
1-Jan-10
1-Feb-10
1-Mar-10
1-Apr-10
1-May-10
1-Jun-10
1-Jul-10
1-Aug-10
1-Sep-10
Total PAH
Total BTEX
Dissolved Oxygen

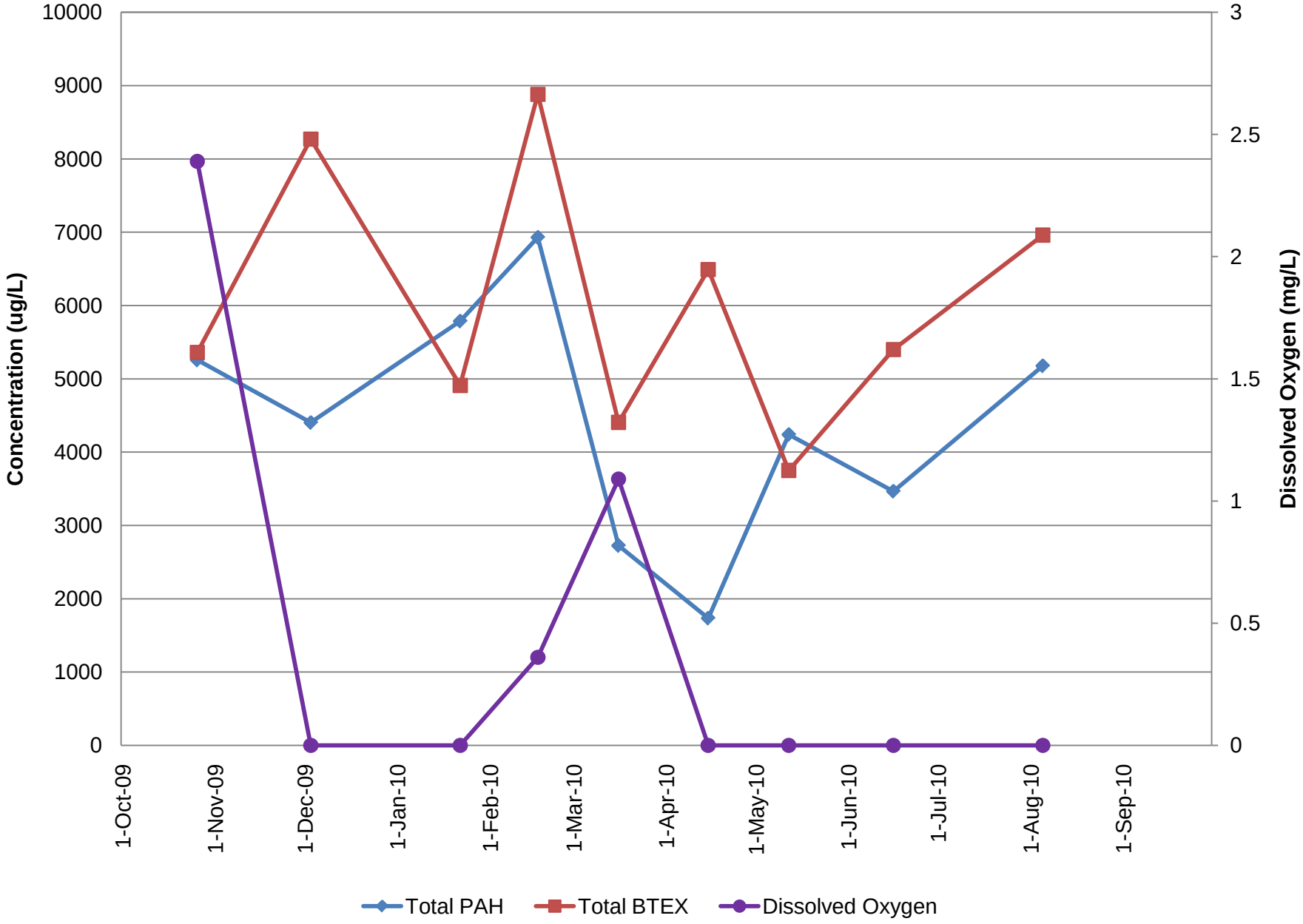
Monitoring Well OZMW-19I2
35-45 ft bgs



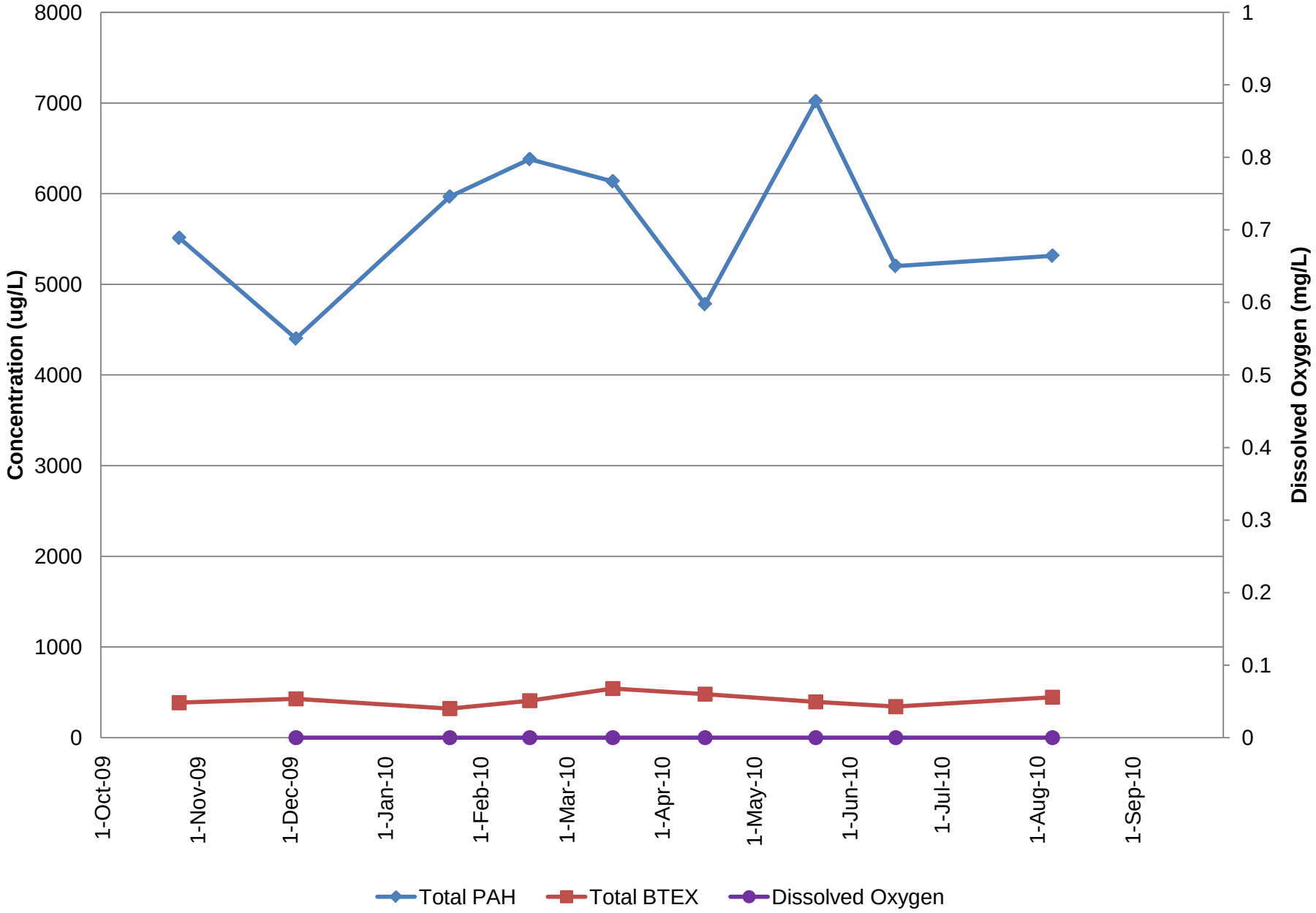
Monitoring Well OZMW-19D
55-65 ft bgs



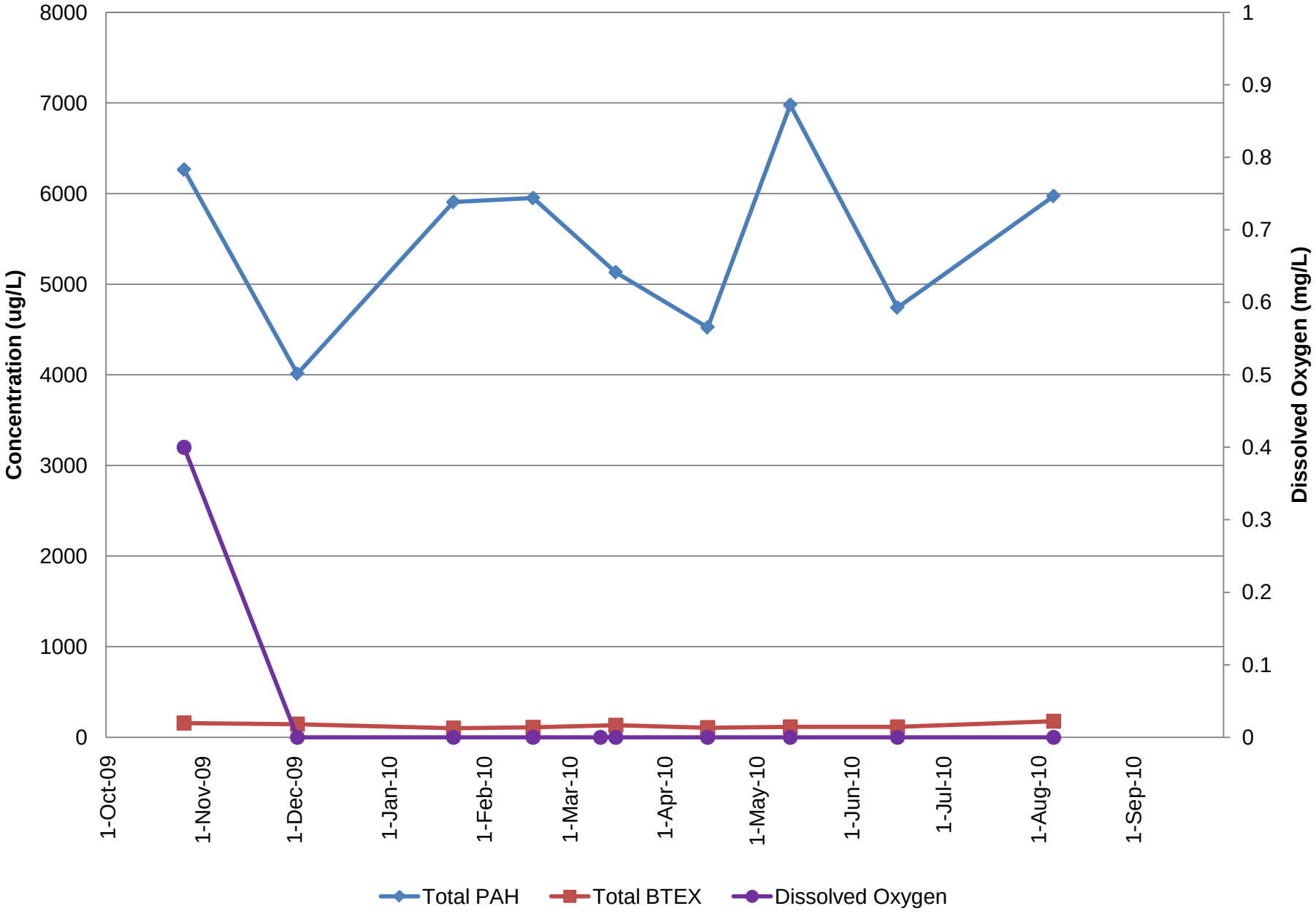
Monitoring Well OZMW-21S
5-15 ft bgs



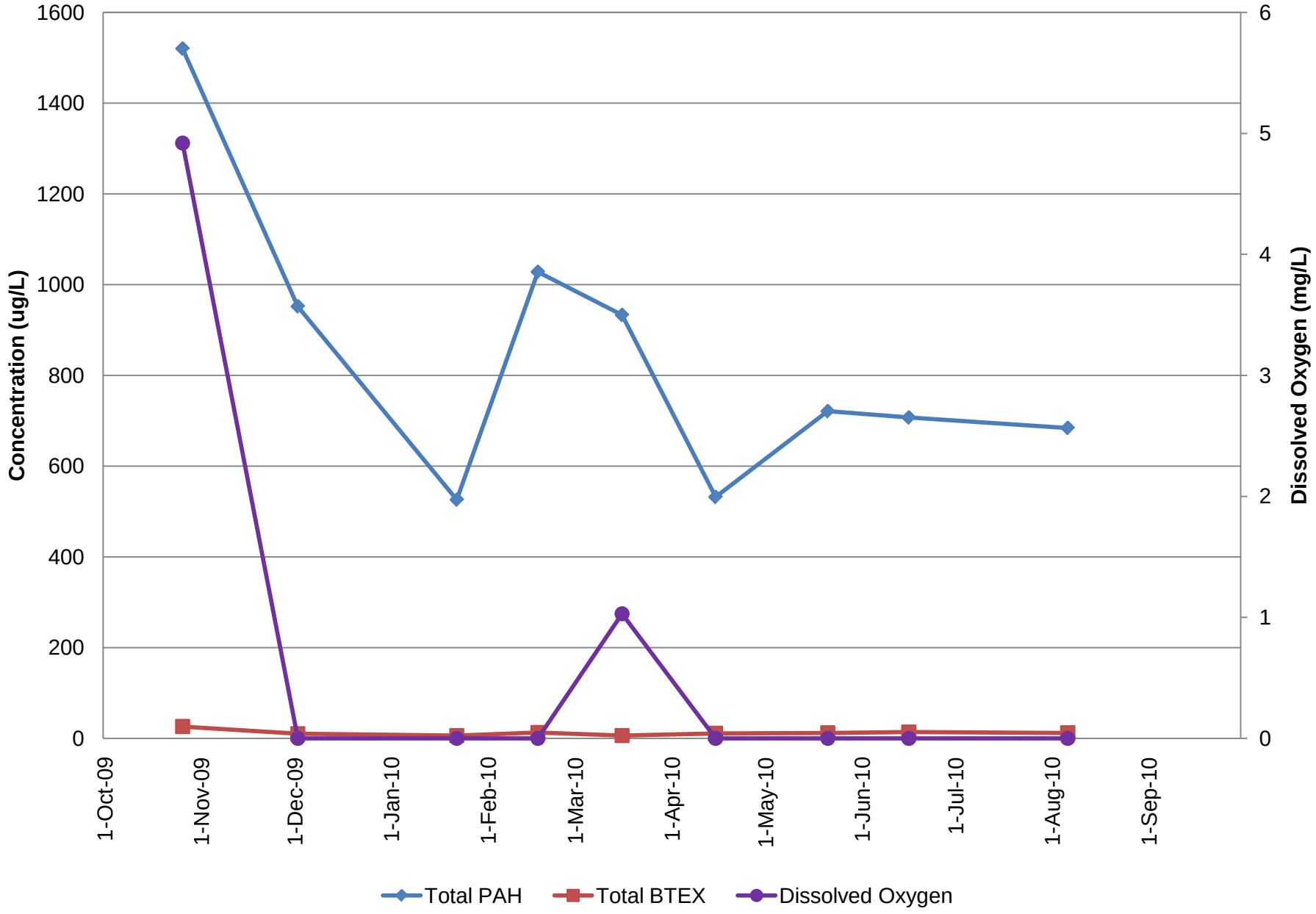
Monitoring Well OZMW-21I
20-30 ft bgs



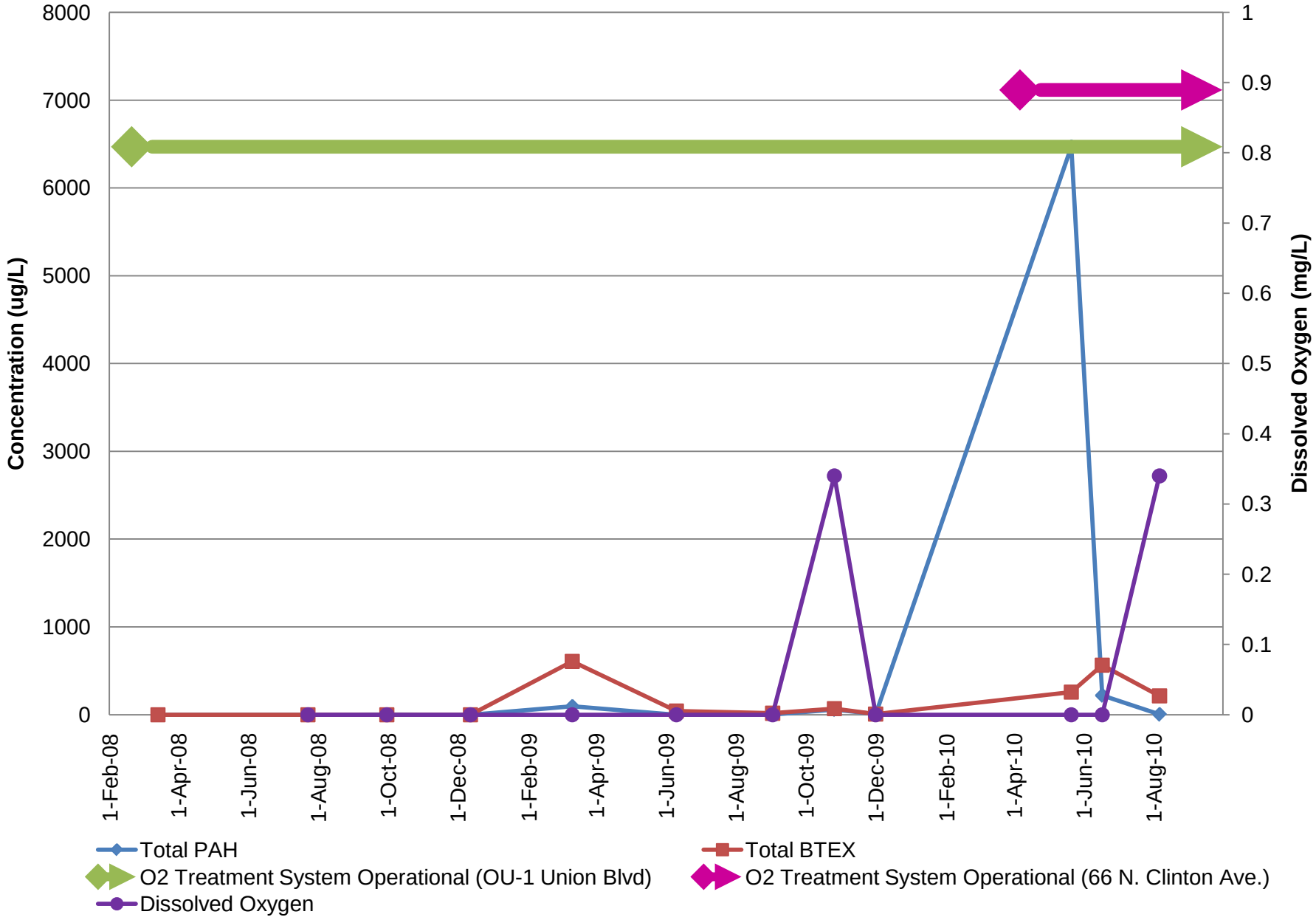
Monitoring Well OZMW-21I2
35-45 ft bgs



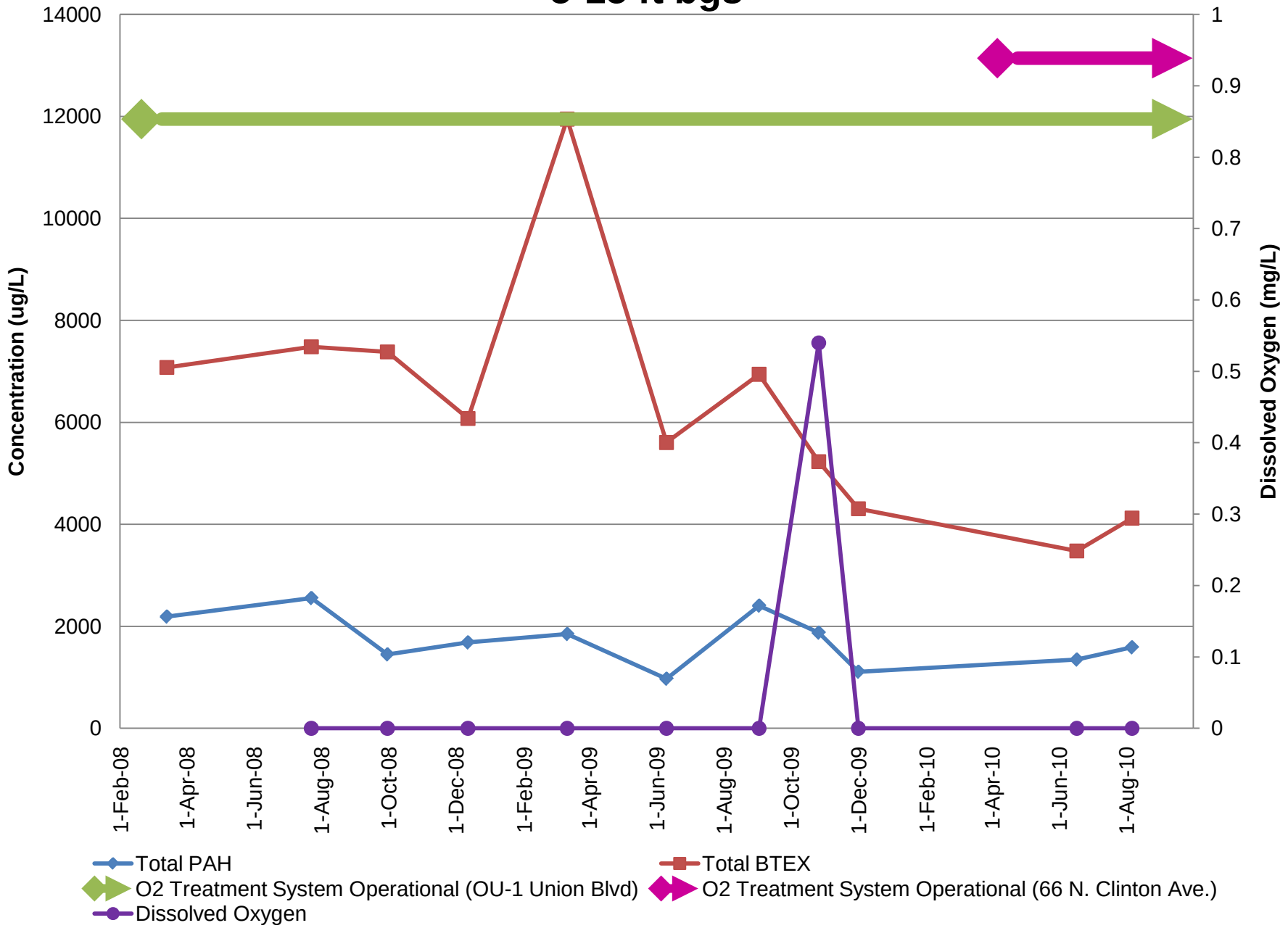
Monitoring Well OZMW-21D
55-65 ft bgs



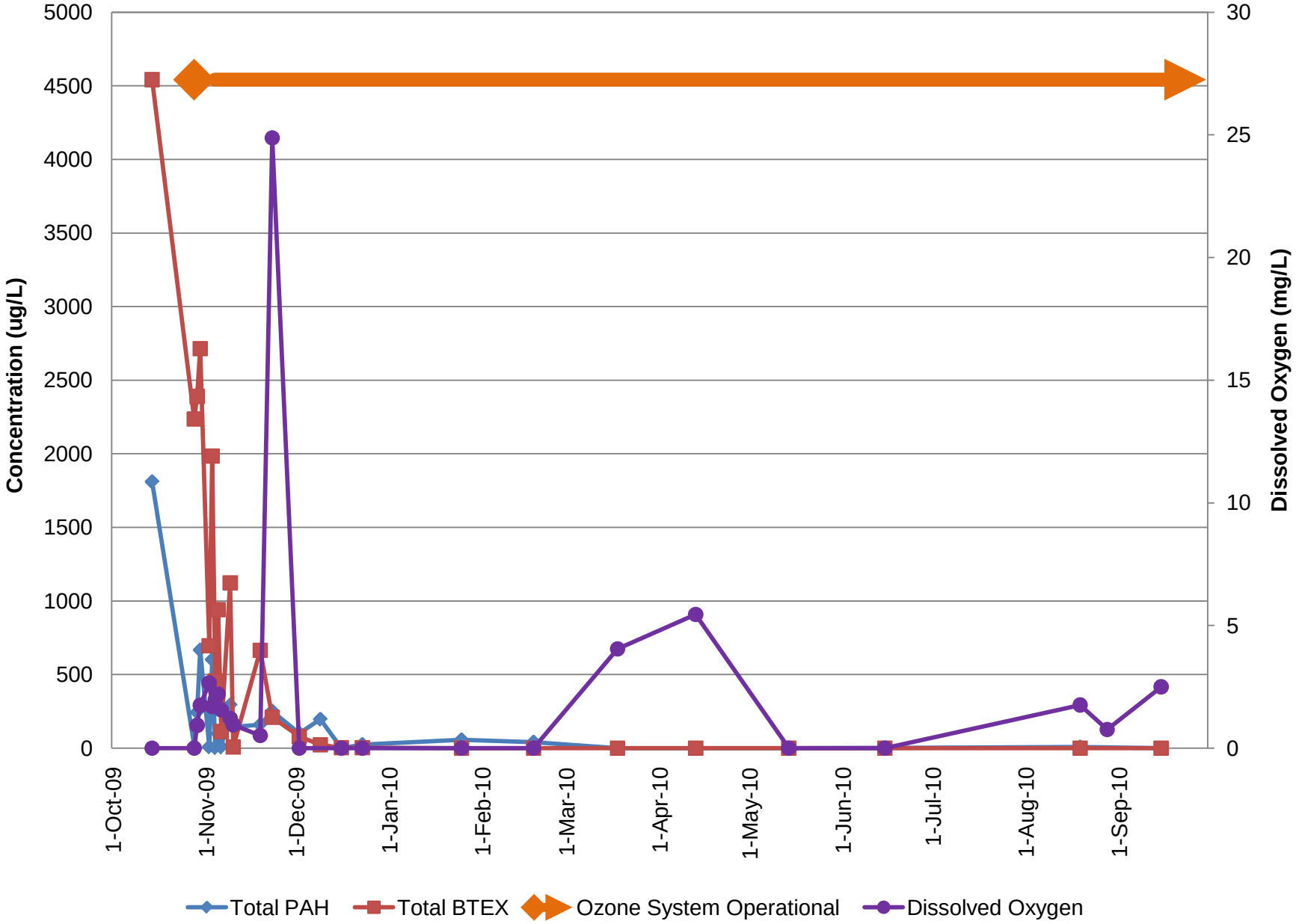
Monitoring Well OZMW-22I/RI
20-30 ft bgs

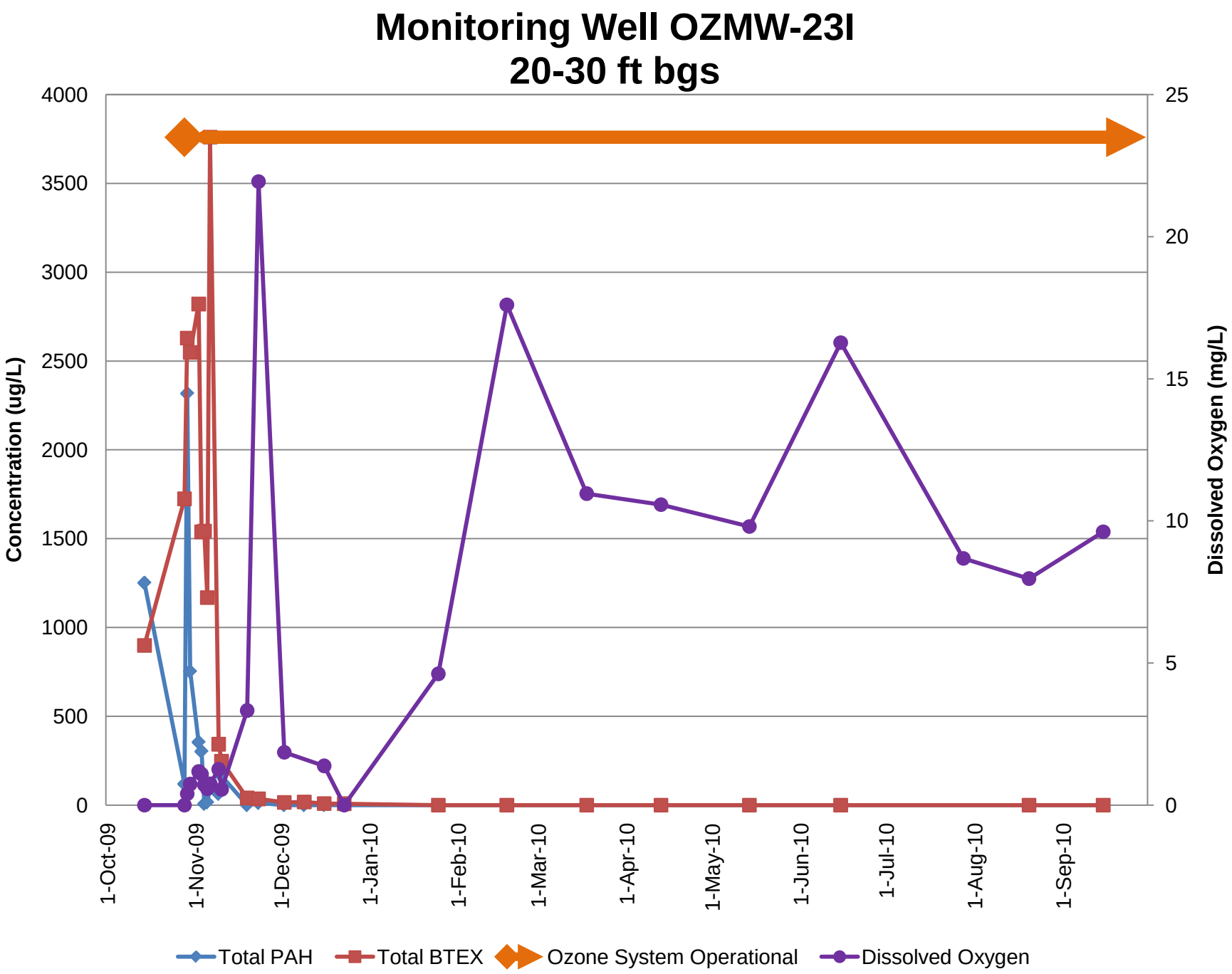


Monitoring Well OZMW-22S/RS
5-15 ft bgs

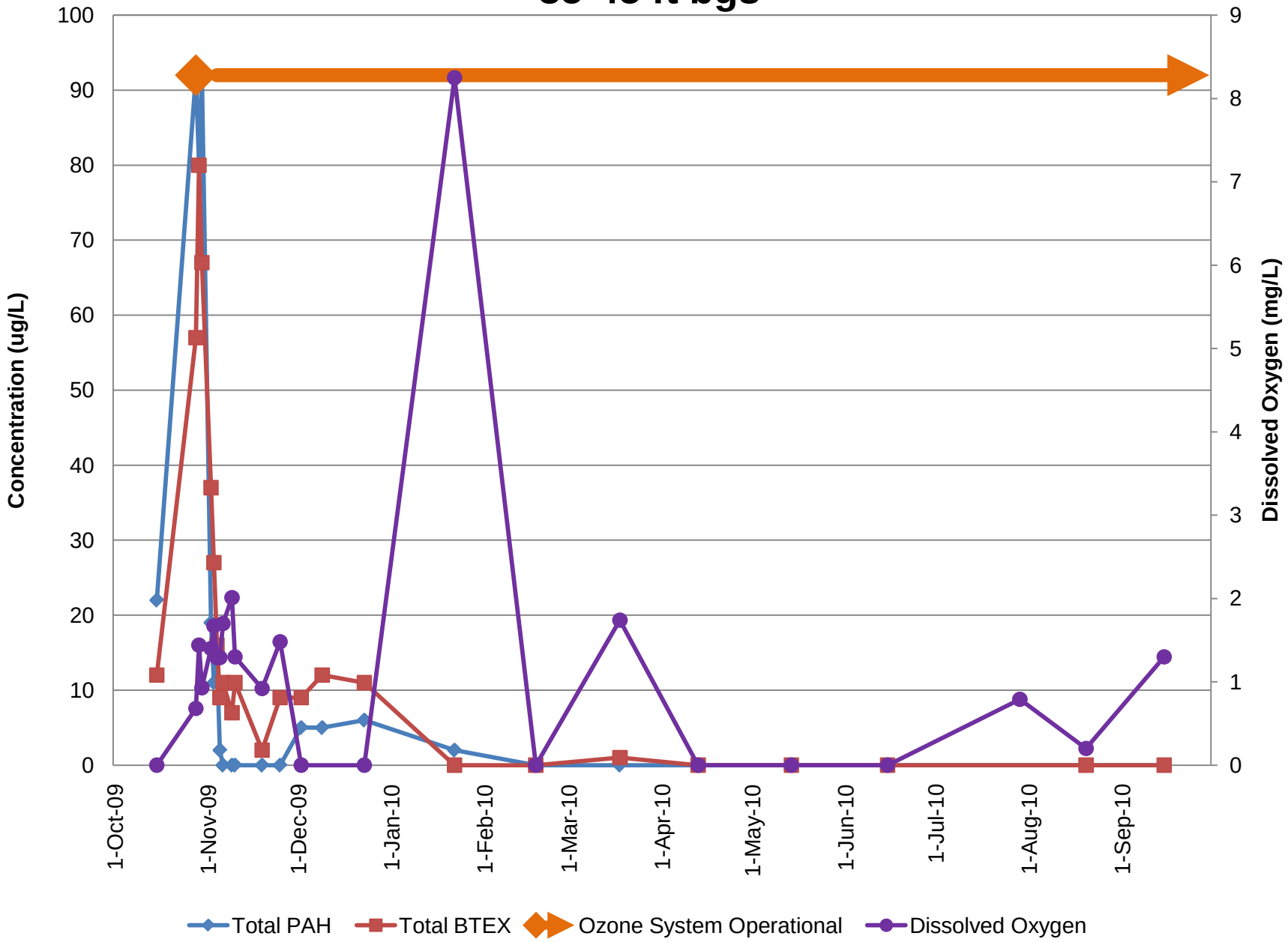


Monitoring Well OZMW-23S
5-15 ft bgs

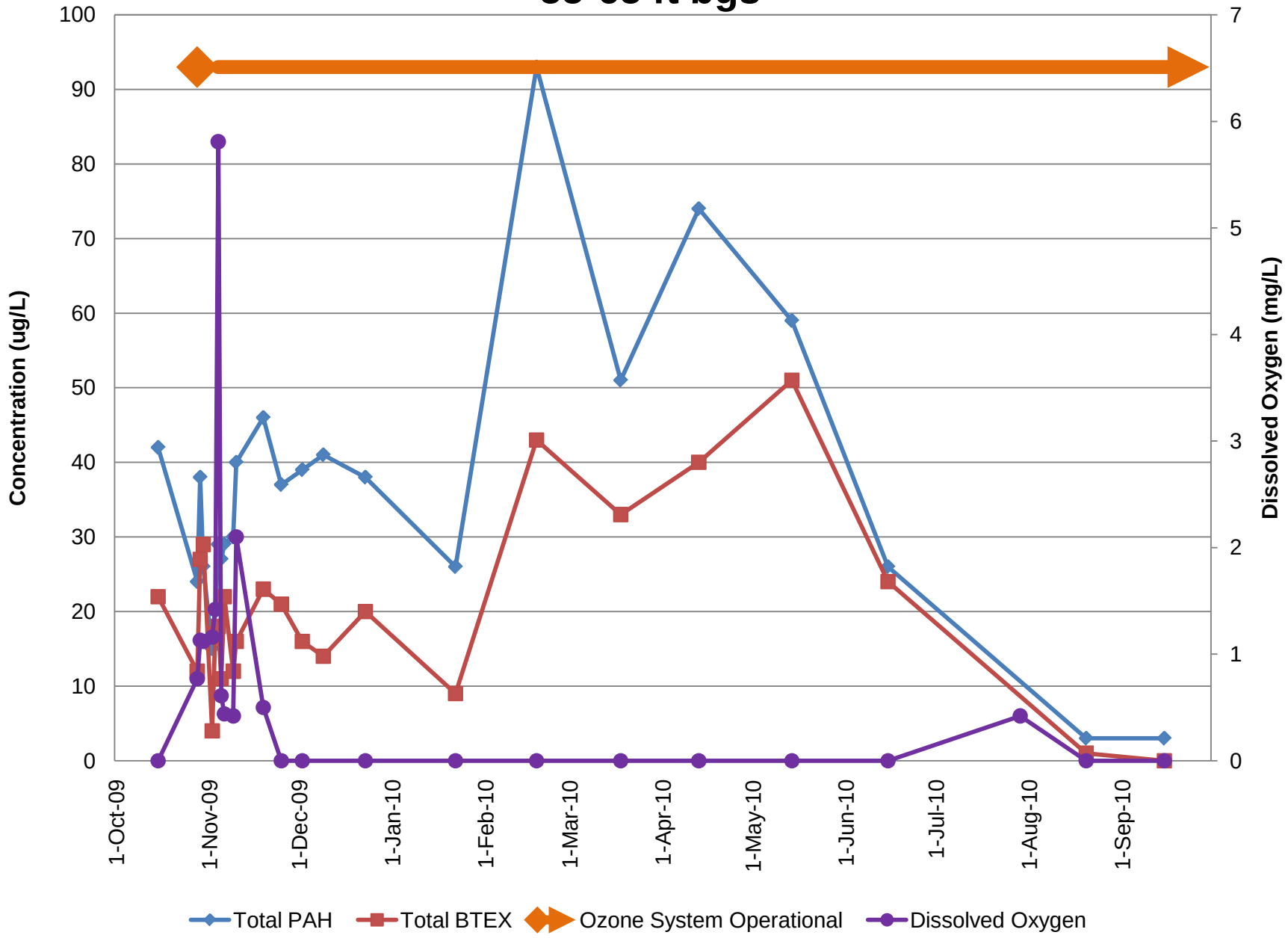



Monitoring Well OZMW-23I
20-30 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
4000
3500
3000
2500
2000
1500
1000
500
0
25
20
15
10
5
0
1-Oct-09
1-Nov-09
1-Dec-09
1-Jan-10
1-Feb-10
1-Mar-10
1-Apr-10
1-May-10
1-Jun-10
1-Jul-10
1-Aug-10
1-Sep-10
Total PAH
Total BTEX
Ozone System Operational
Dissolved Oxygen

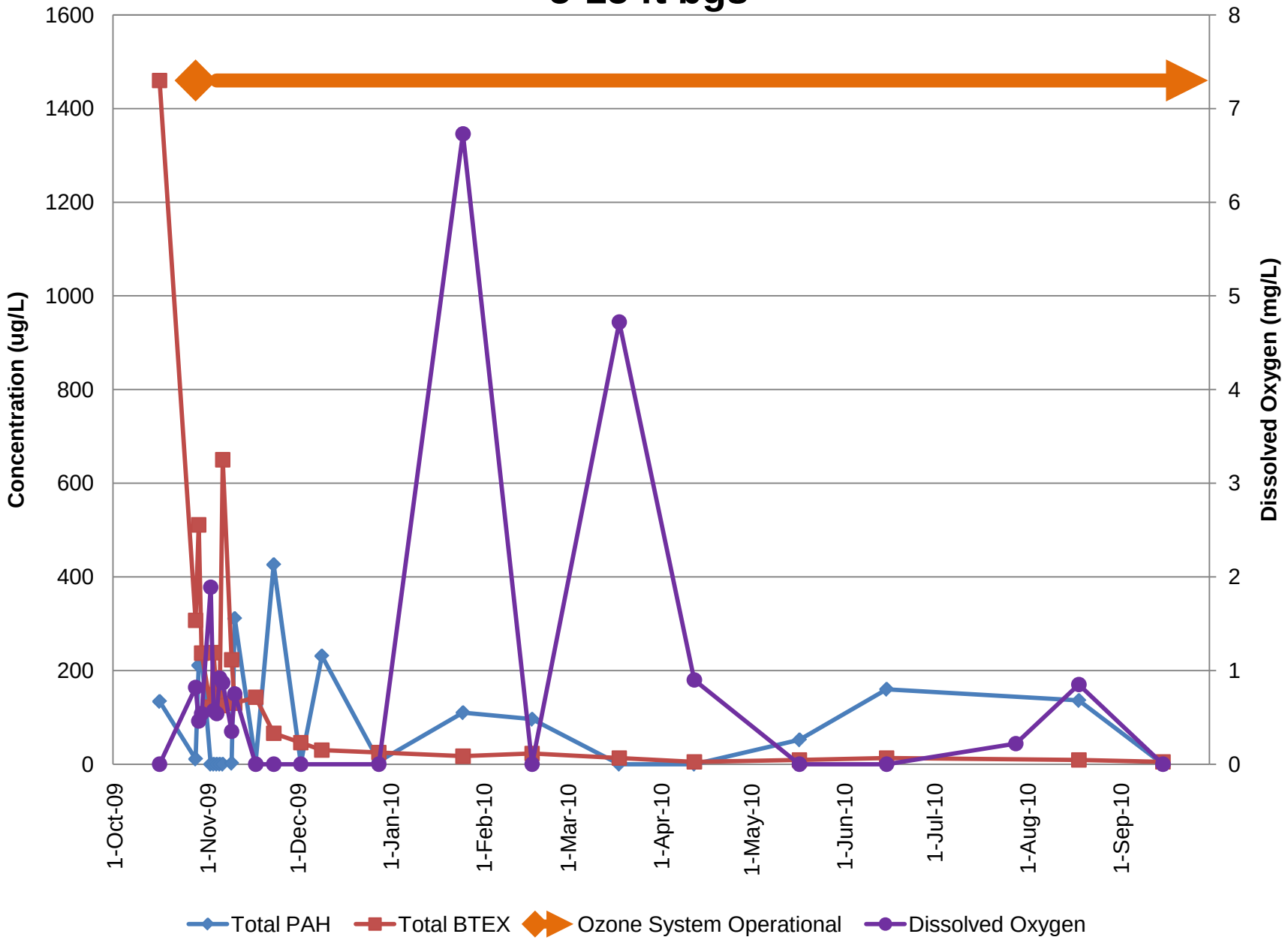
Monitoring Well OZMW-23I2
35-45 ft bgs

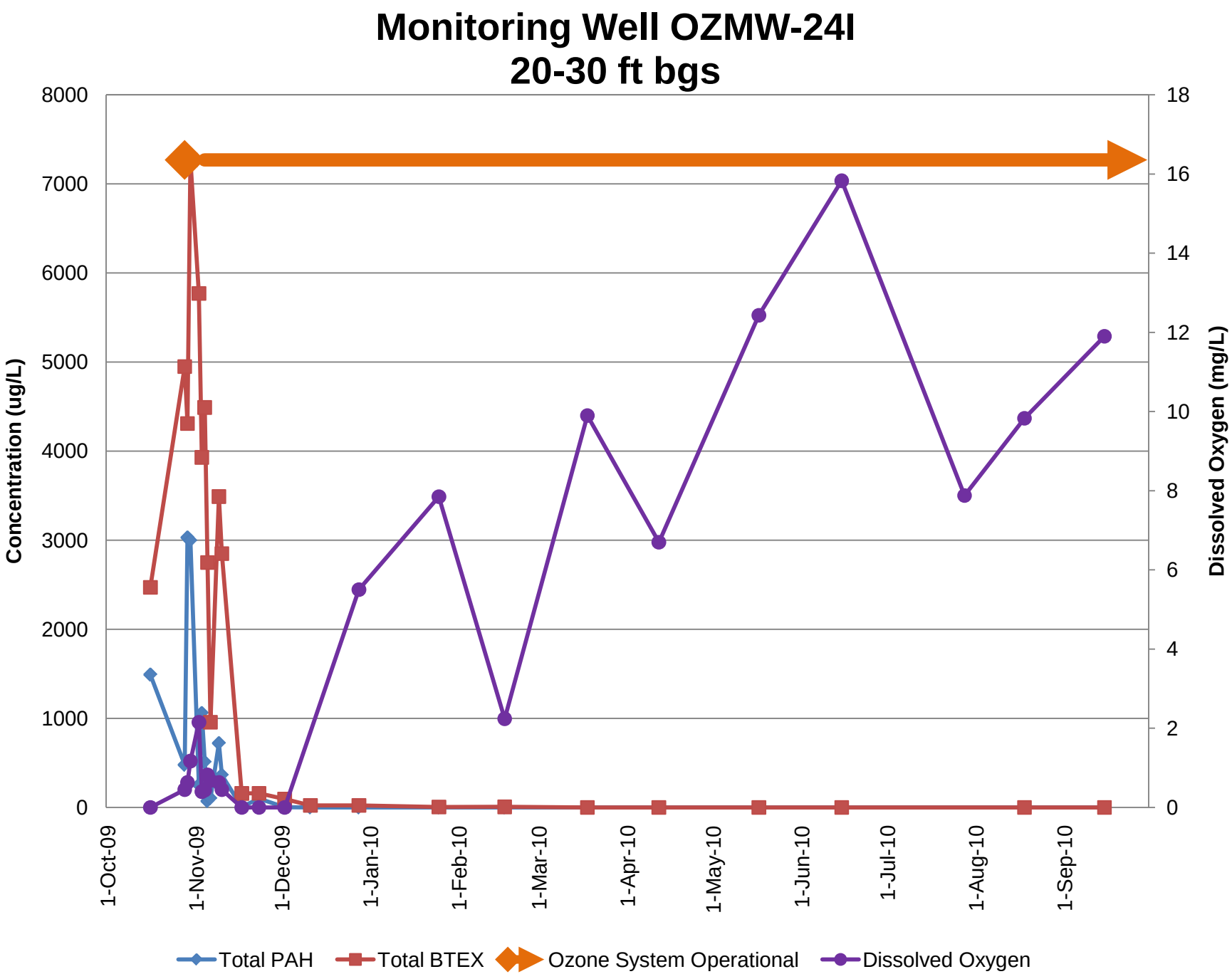


Monitoring Well OZMW-23D
55-65 ft bgs

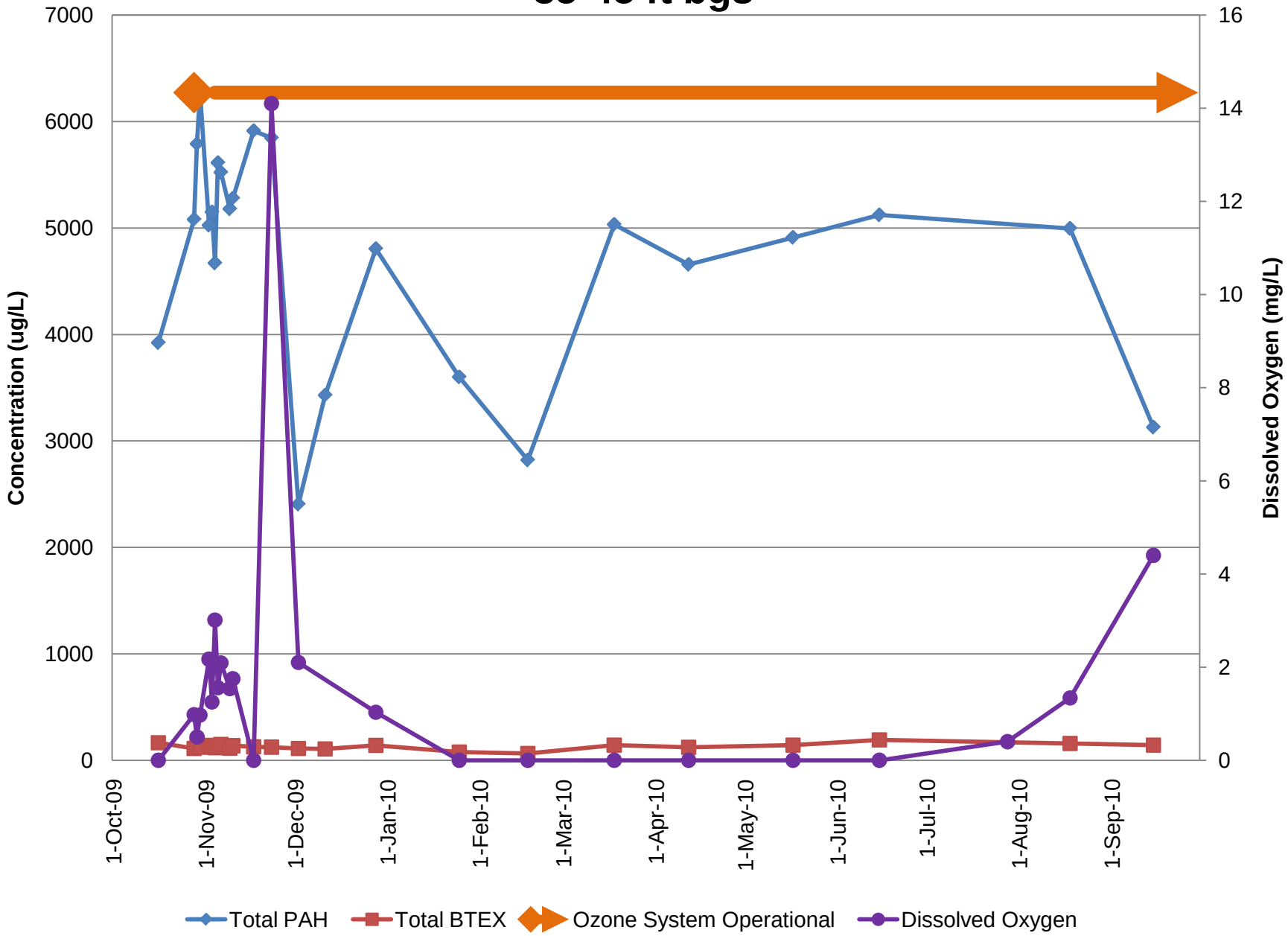


Monitoring Well OZMW-24S
5-15 ft bgs

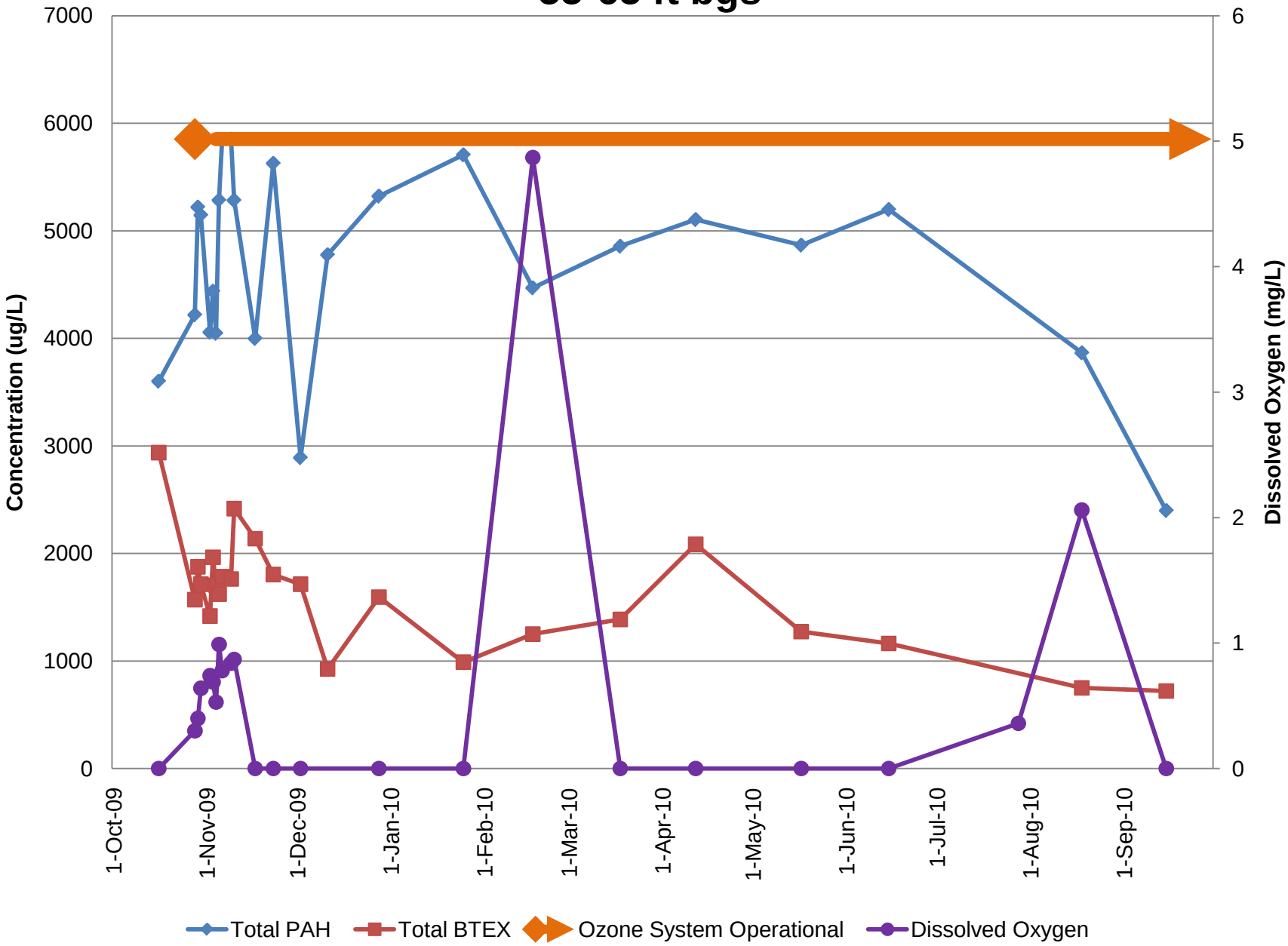



Monitoring Well OZMW-24I
20-30 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
8000
7000
6000
5000
4000
3000
2000
1000
0
18
16
14
12
10
8
6
4
2
0
1-Oct-09
1-Nov-09
1-Dec-09
1-Jan-10
1-Feb-10
1-Mar-10
1-Apr-10
1-May-10
1-Jun-10
1-Jul-10
1-Aug-10
1-Sep-10
Total PAH
Total BTEX
Ozone System Operational
Dissolved Oxygen

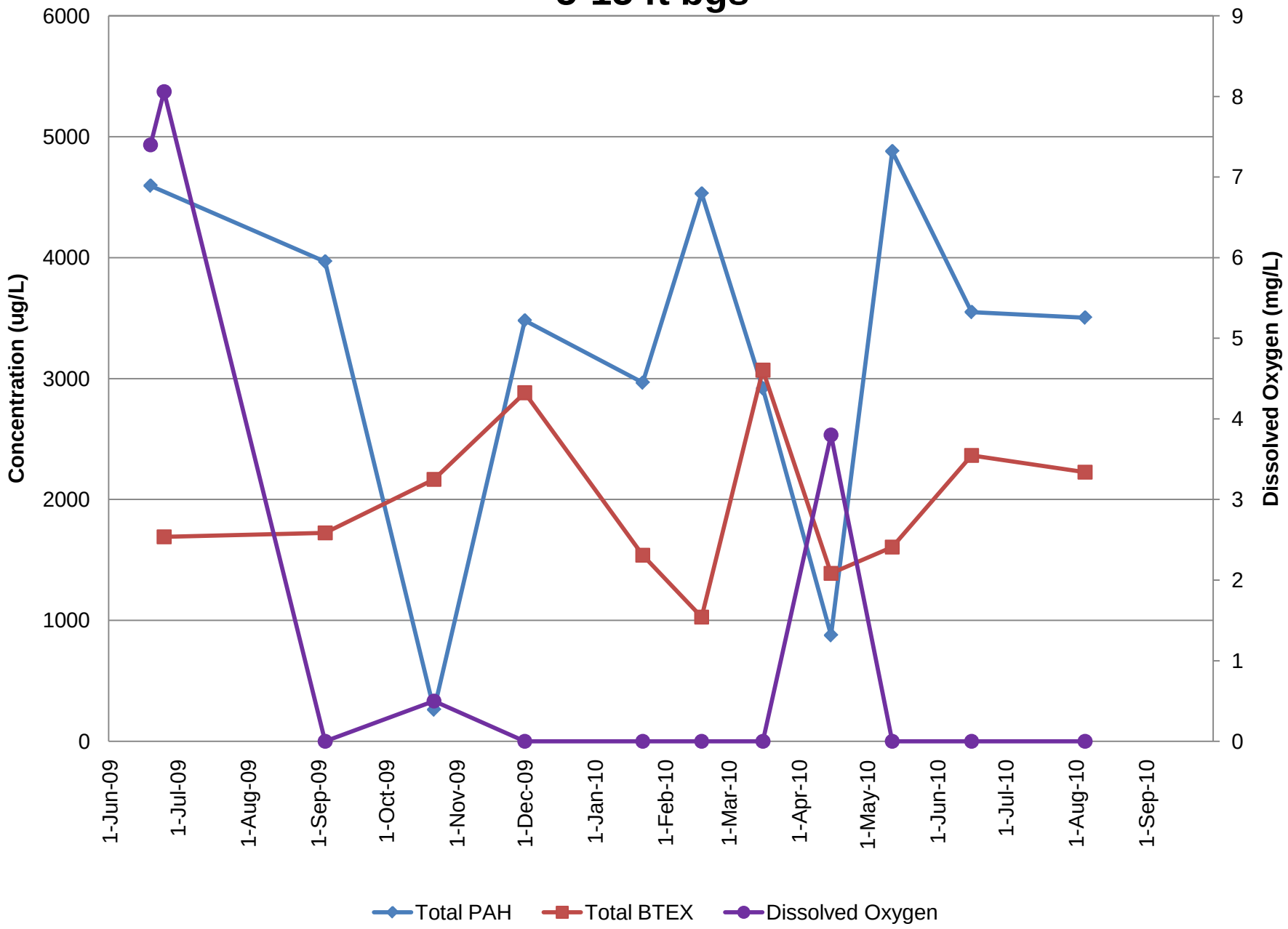
Monitoring Well OZMW-24I2
35-45 ft bgs

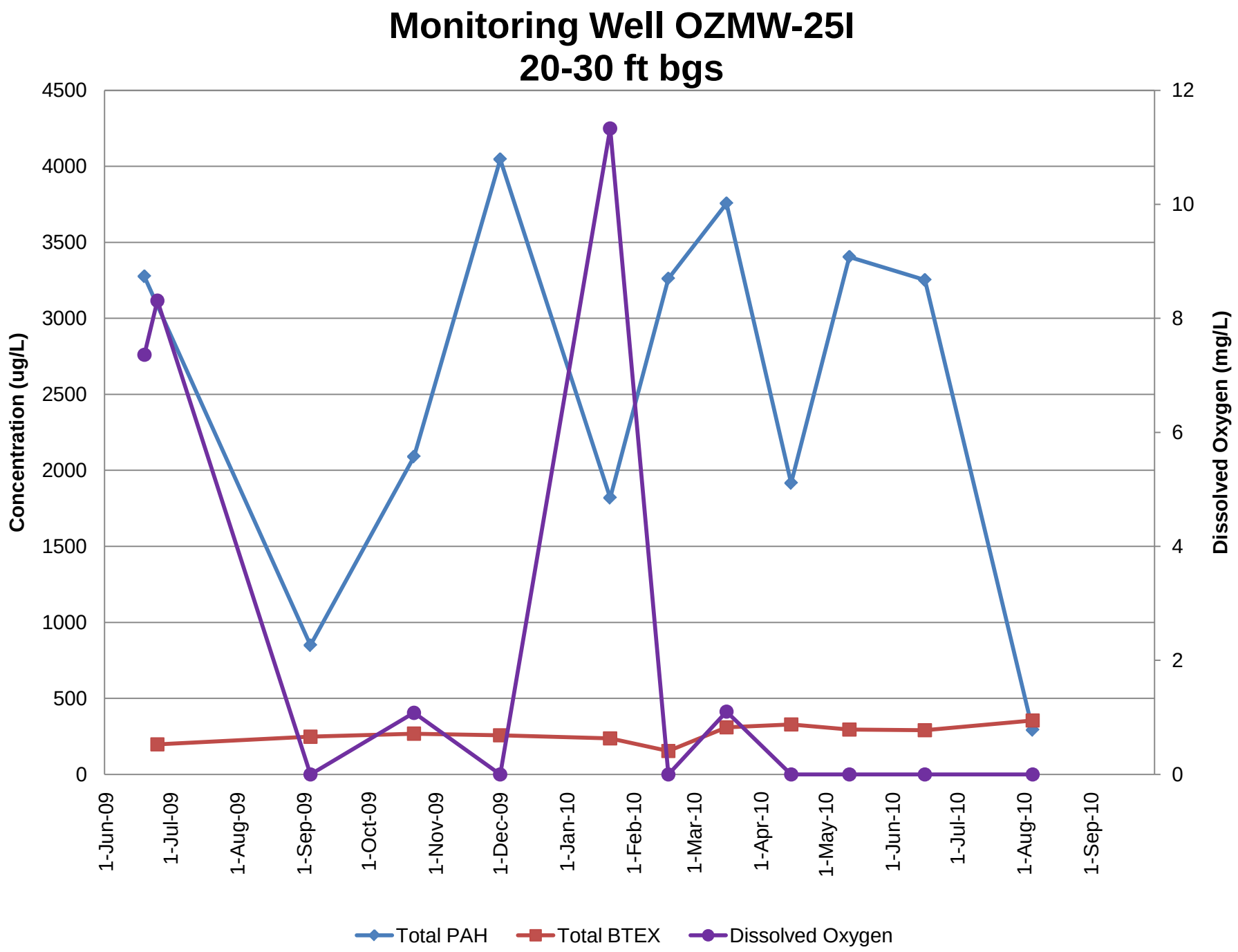


Monitoring Well OZMW-24D
55-65 ft bgs

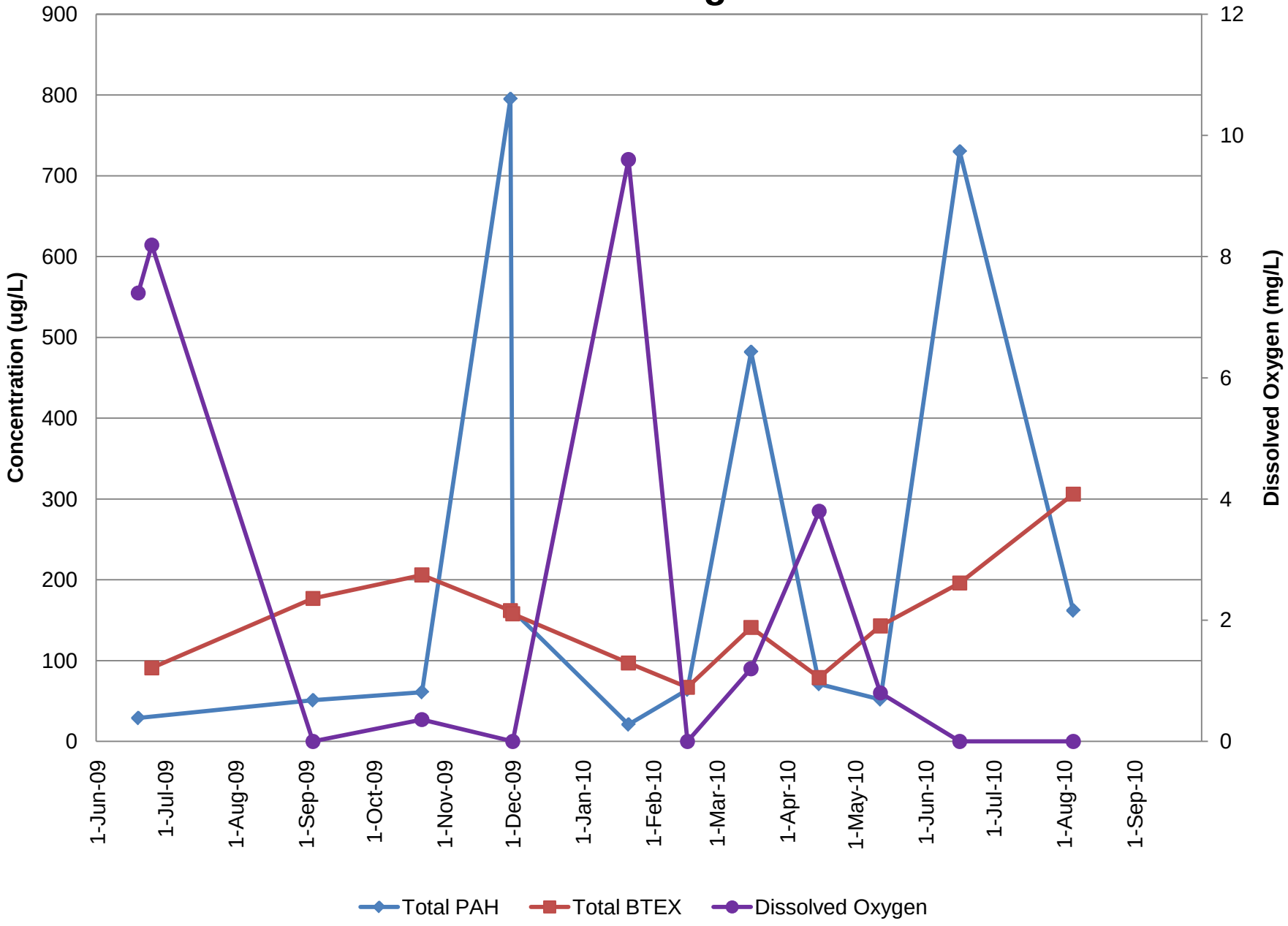


Monitoring Well OZMW-25S
5-15 ft bgs

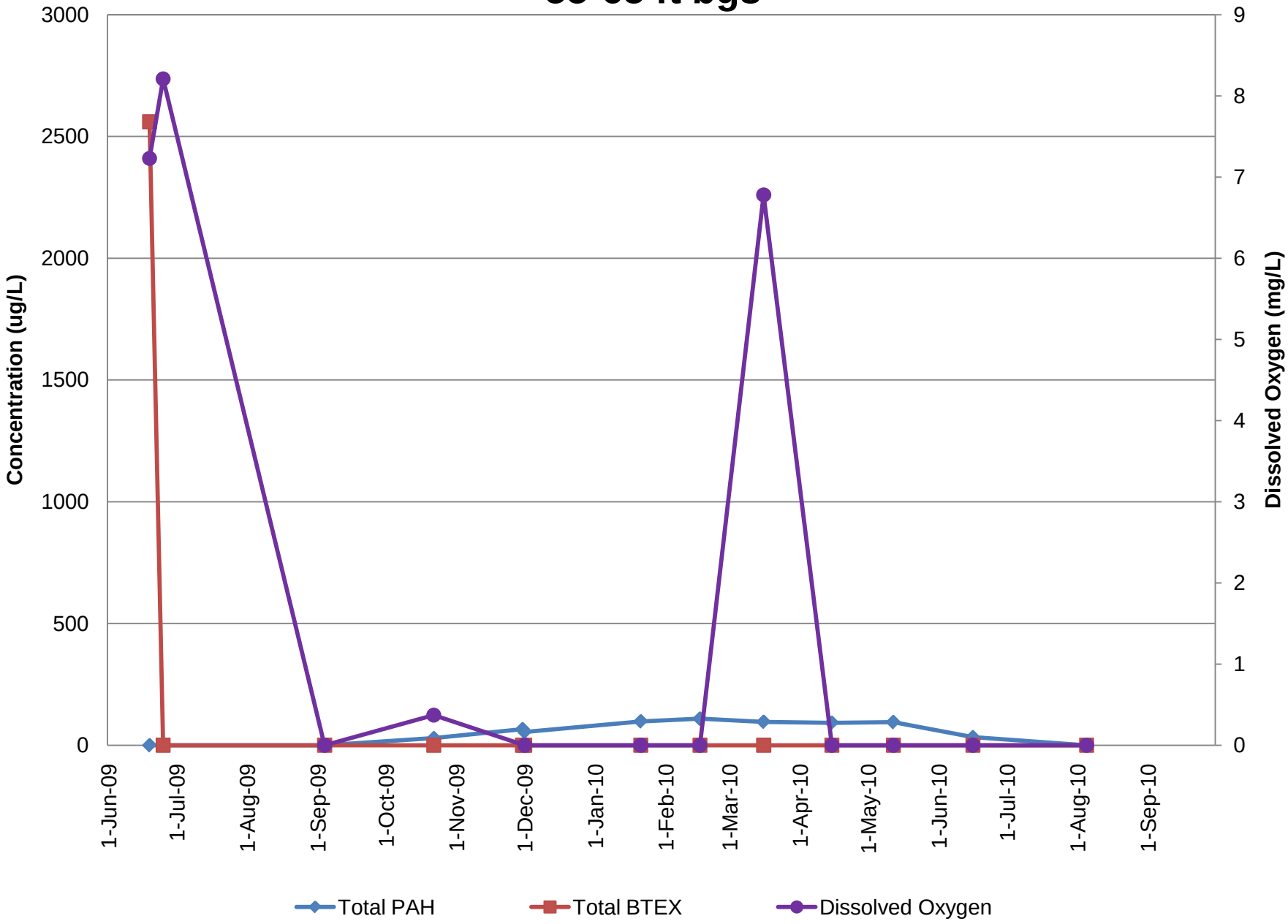



Monitoring Well OZMW-25I
20-30 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
4500
4000
3500
3000
2500
2000
1500
1000
500
0
12
10
8
6
4
2
0
1-Jun-09
1-Jul-09
1-Aug-09
1-Sep-09
1-Oct-09
1-Nov-09
1-Dec-09
1-Jan-10
1-Feb-10
1-Mar-10
1-Apr-10
1-May-10
1-Jun-10
1-Jul-10
1-Aug-10
1-Sep-10
Total PAH
Total BTEX
Dissolved Oxygen

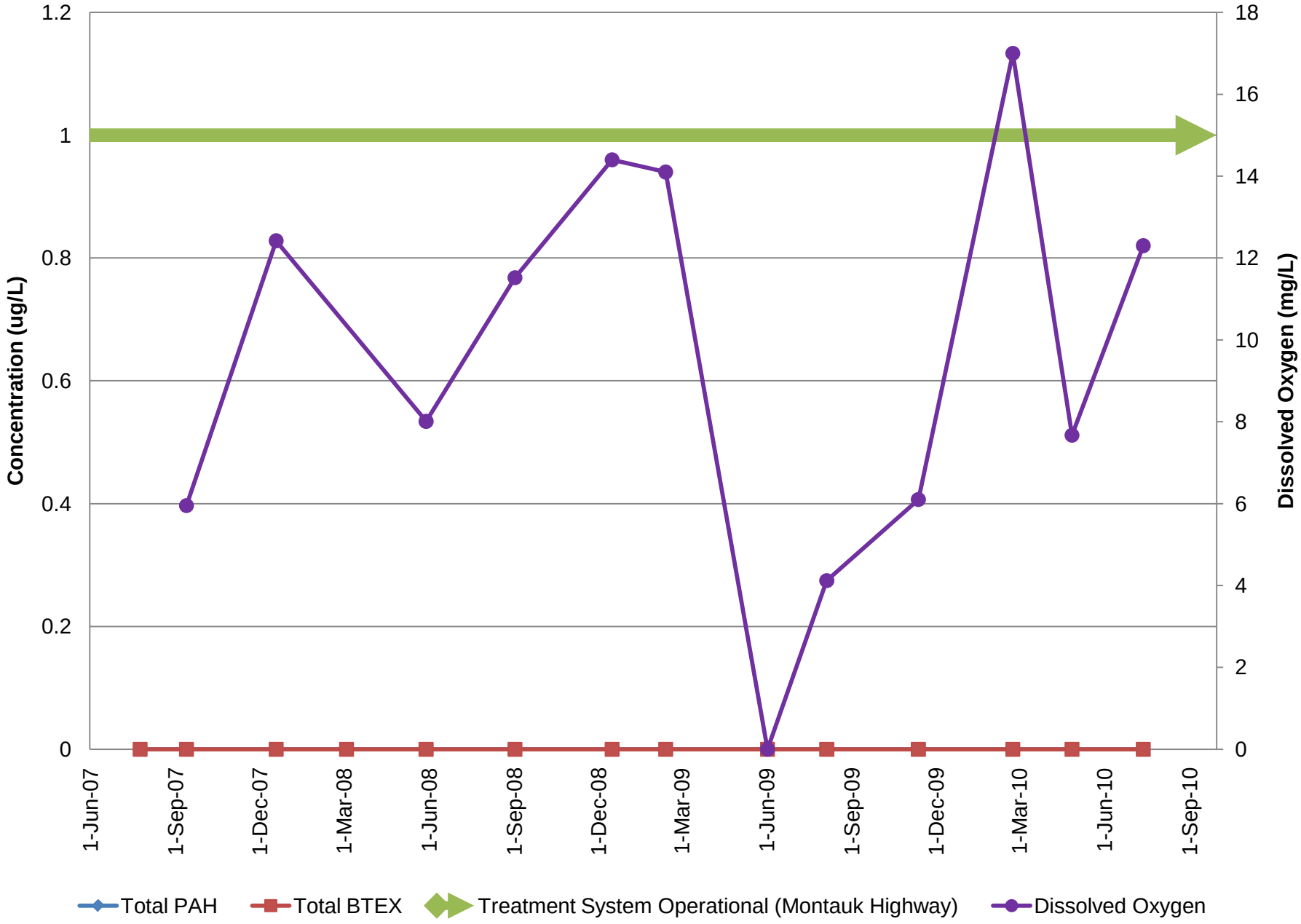
Monitoring Well OZMW-25I2
35-45 ft bgs



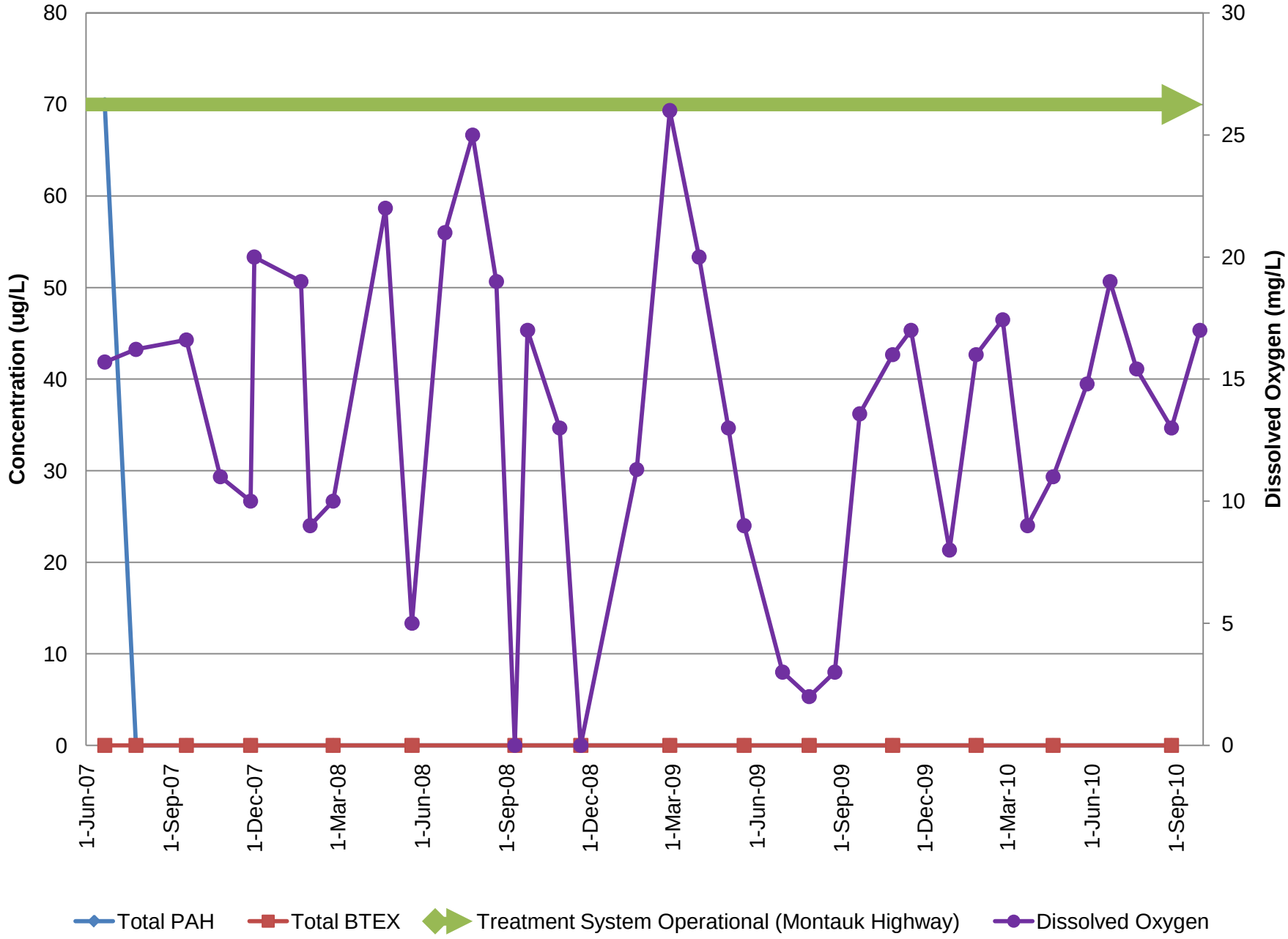
Monitoring Well OZMW-25D
55-65 ft bgs



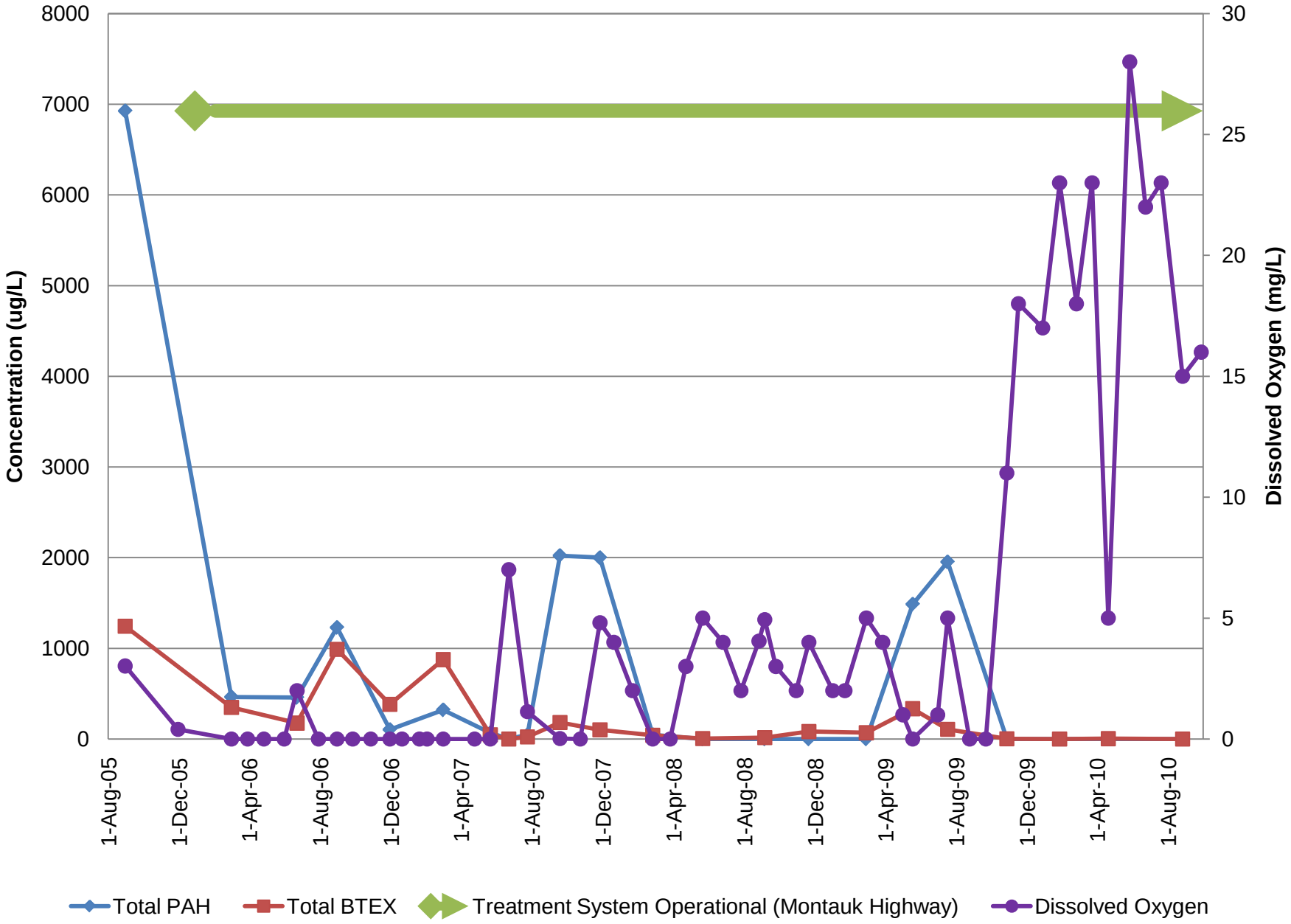
Monitoring Well OU2IW-01S
3-8 ft bgs



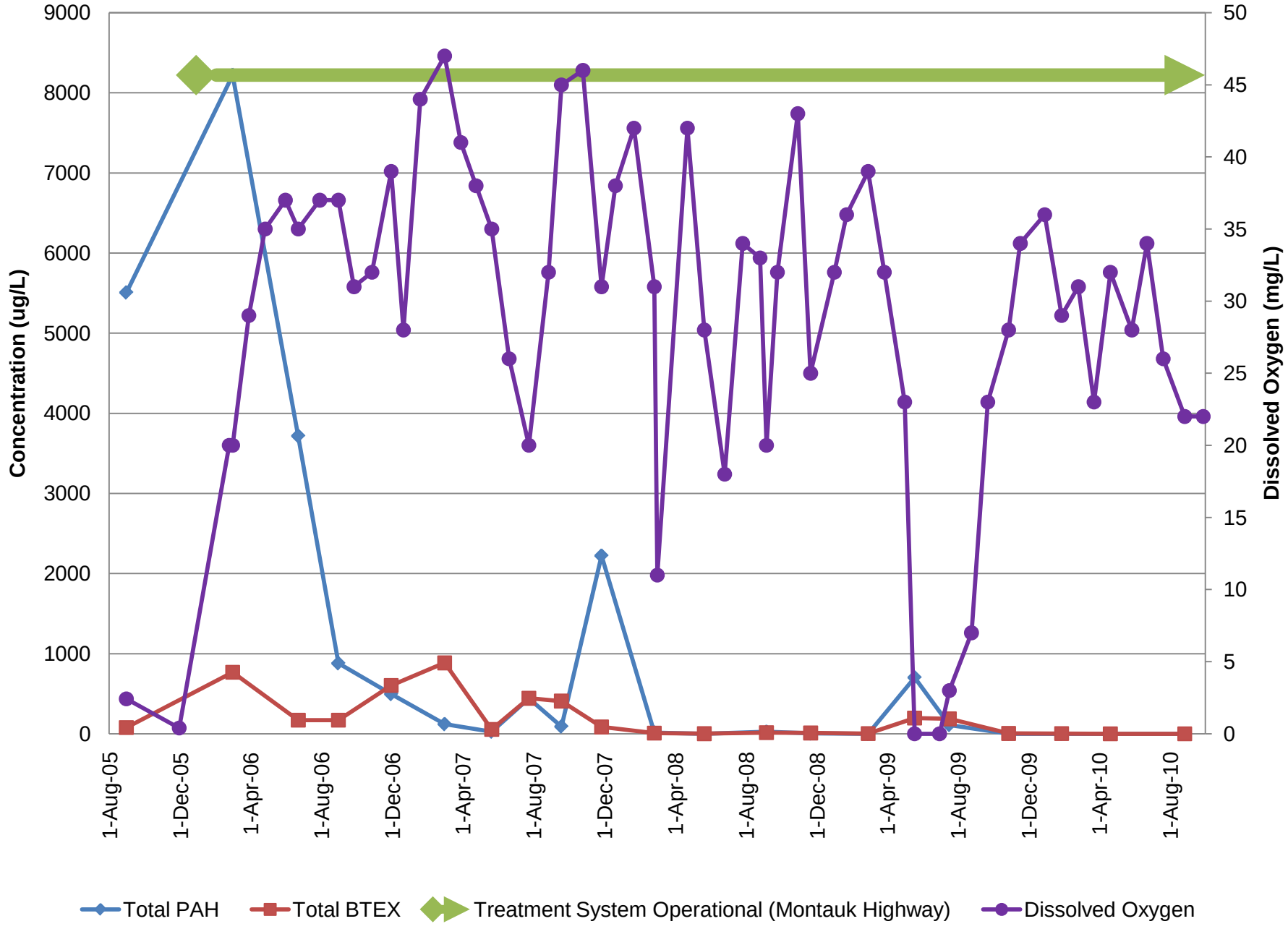
Monitoring Well OU2MW-01WT
3-8 ft bgs



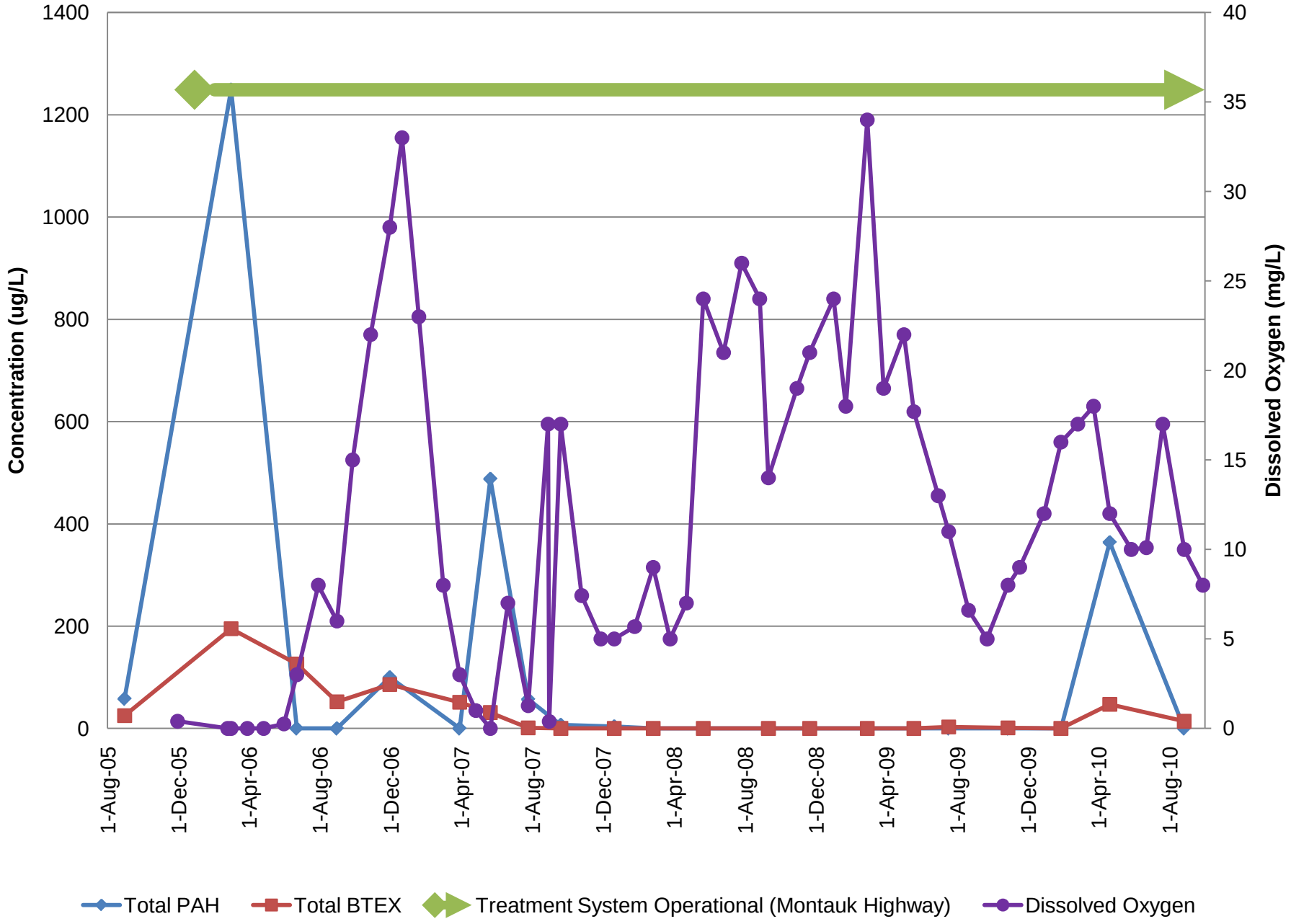
Monitoring Well OU2MW-01S
20-25 ft bgs



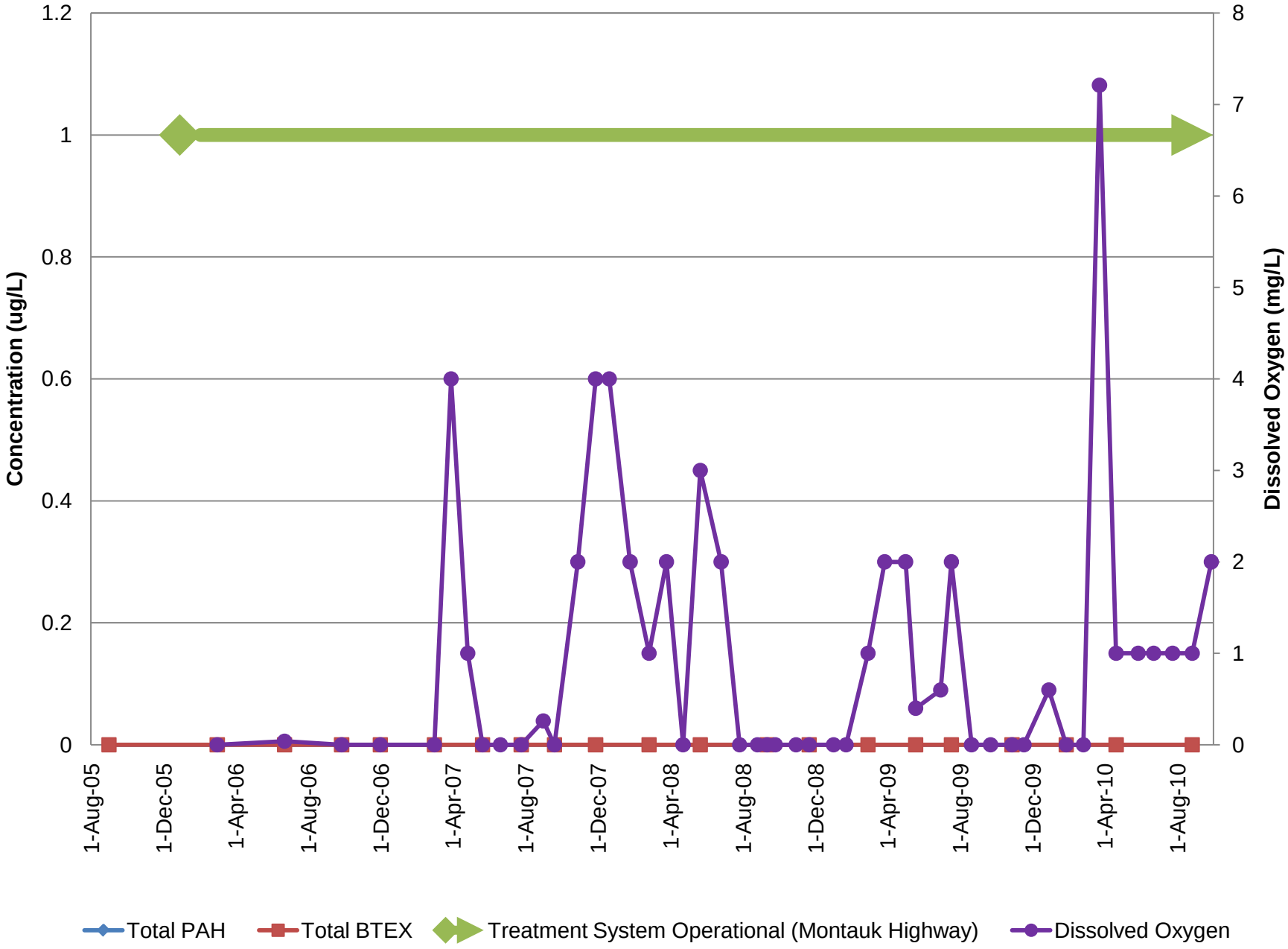
Monitoring Well OU2MW-01I
35-40 ft bgs



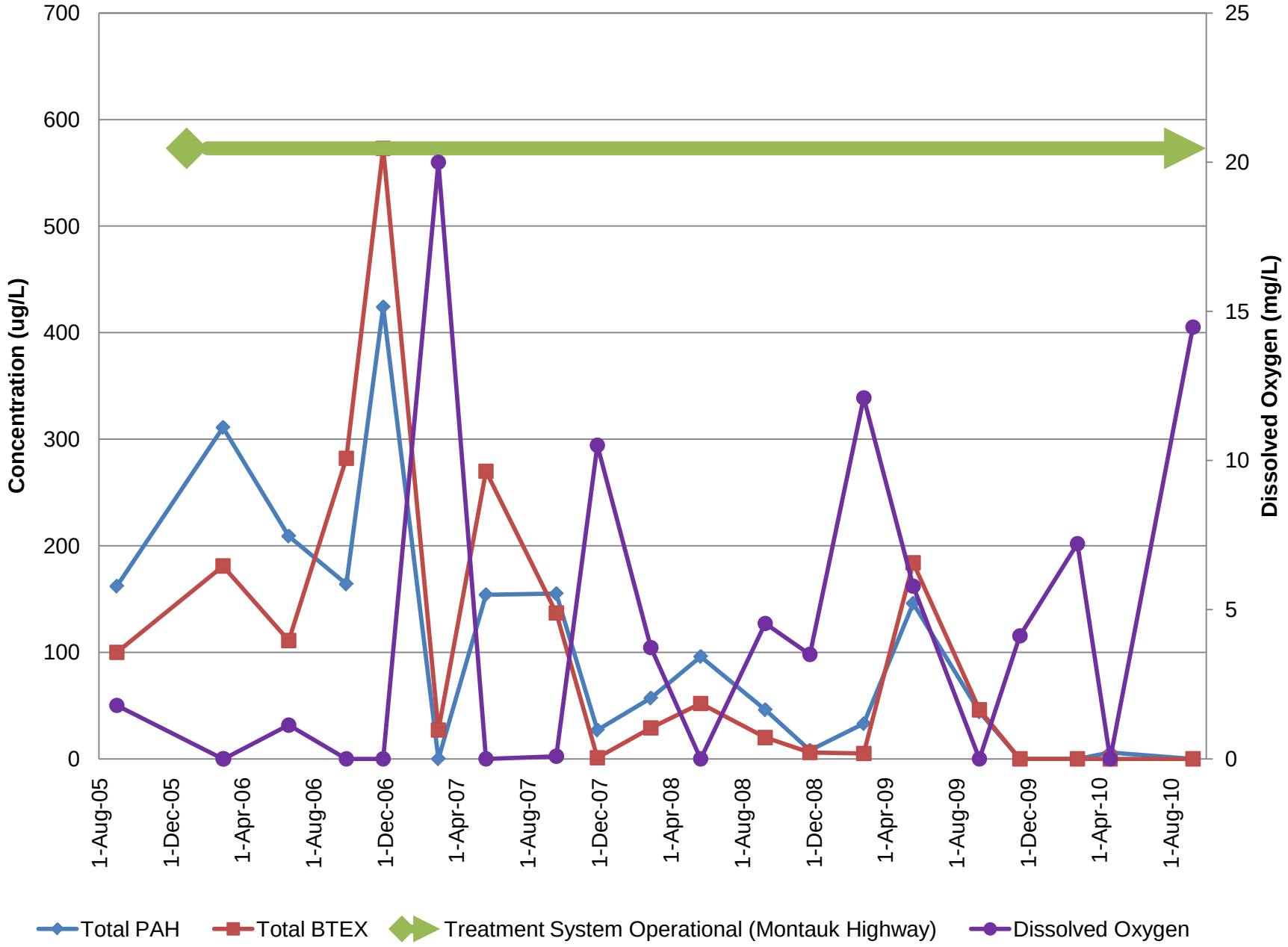
Monitoring Well OU2MW-01I2
50-55 ft bgs



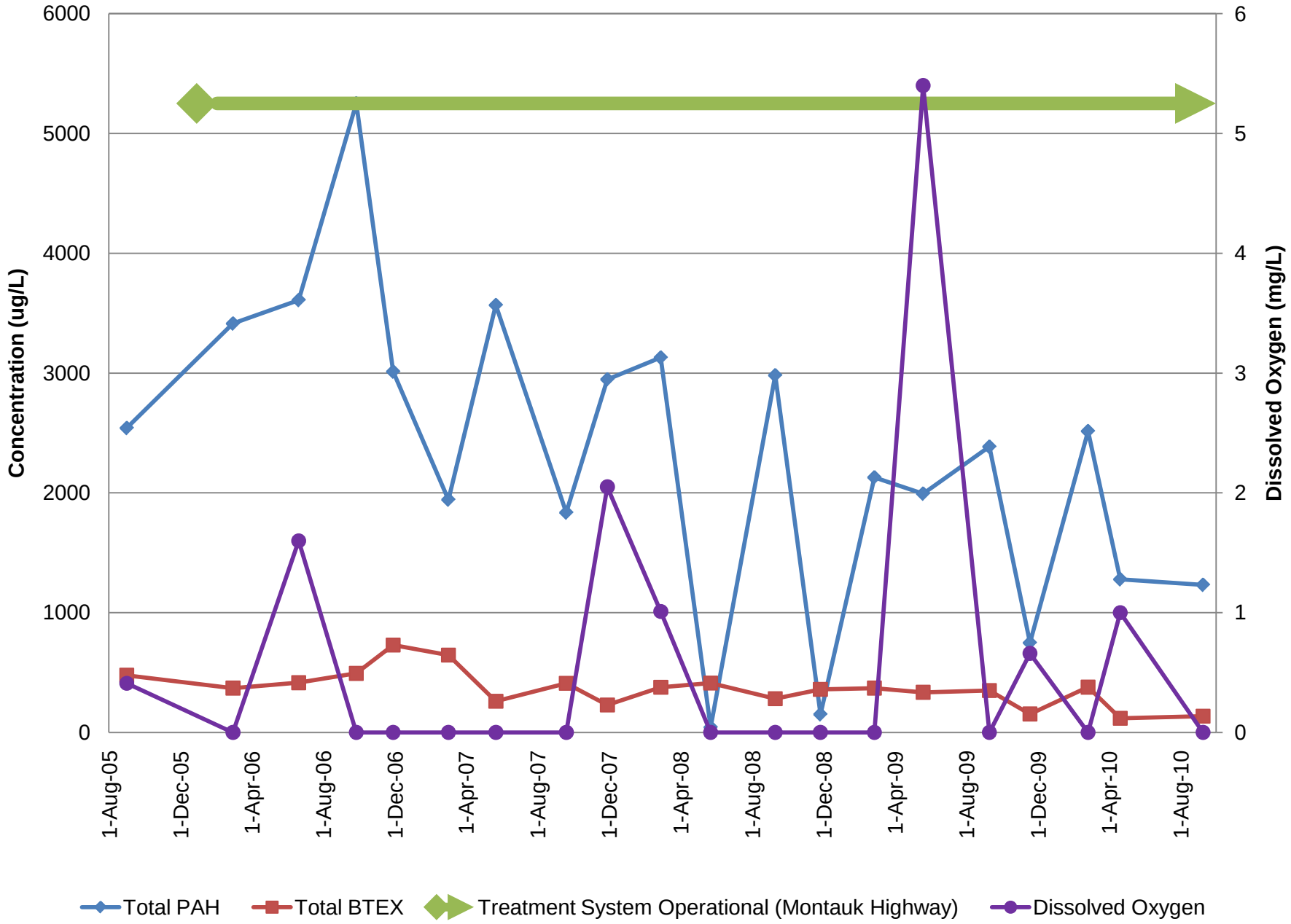
Monitoring Well OU2MW-01D
65-70 ft bgs



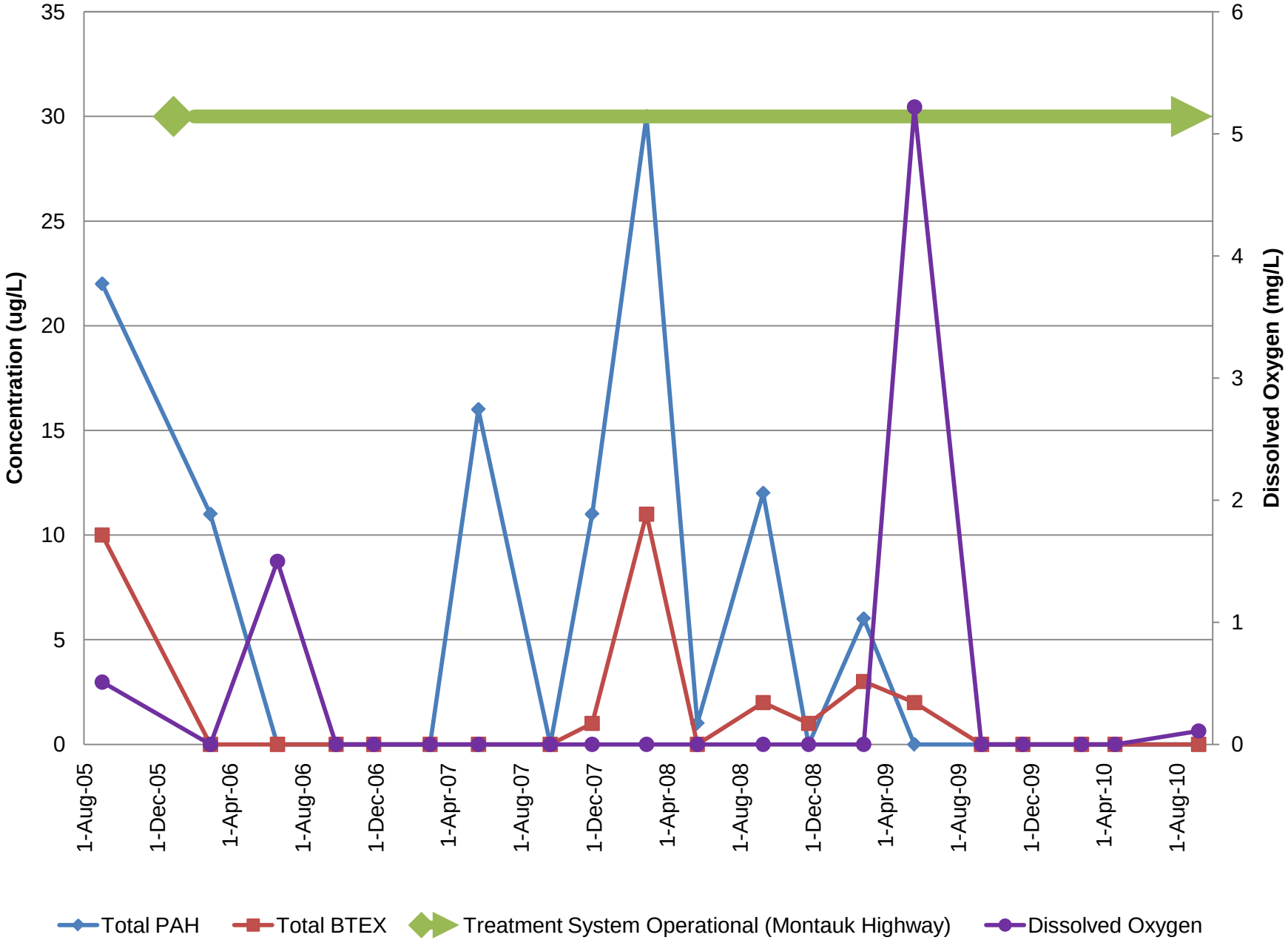
Monitoring Well OU2MW-02S
20-25 ft bgs



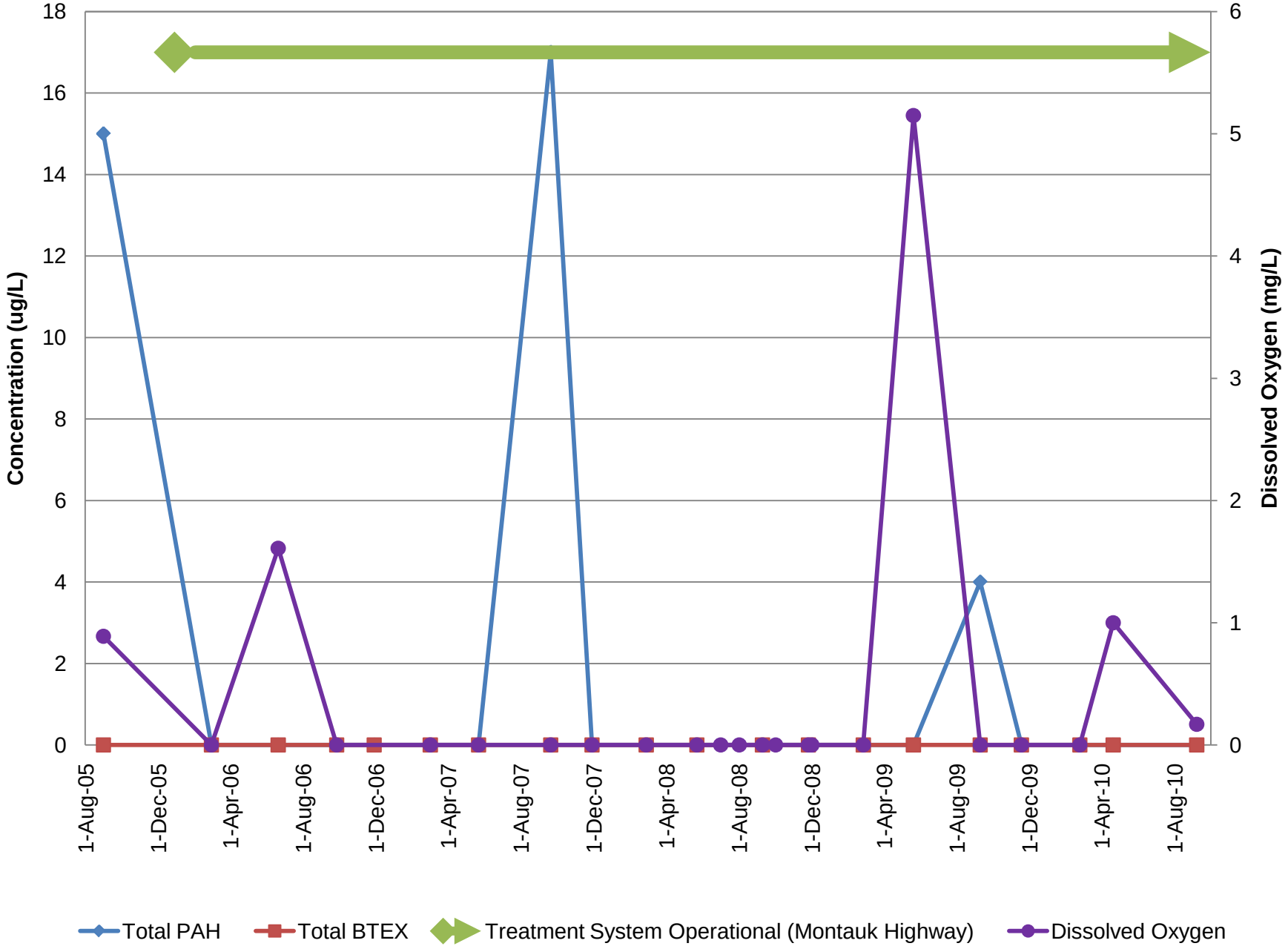
Monitoring Well OU2MW-02I
35-40 ft bgs



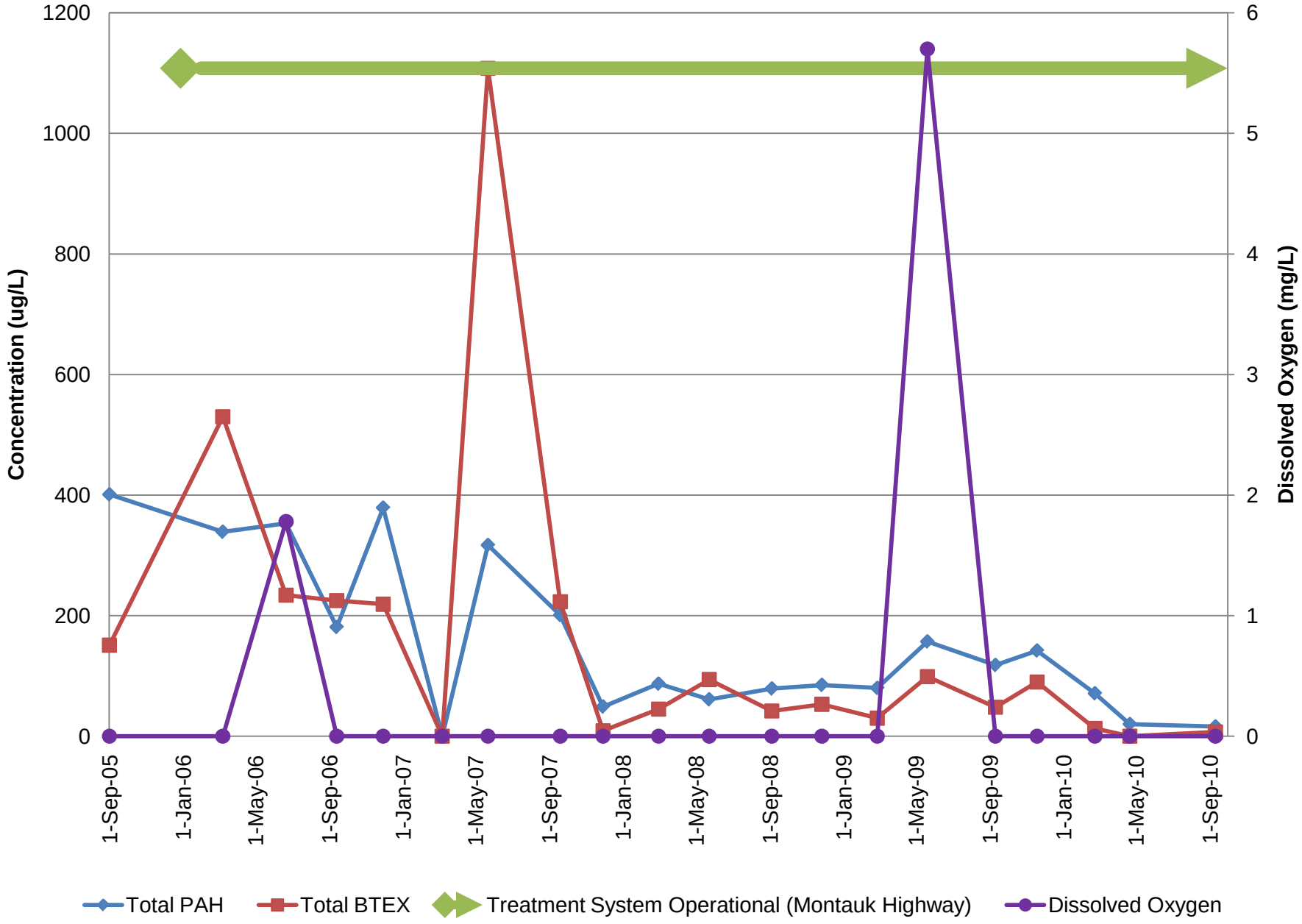
Monitoring Well OU2MW-02I2
50-55 ft bgs



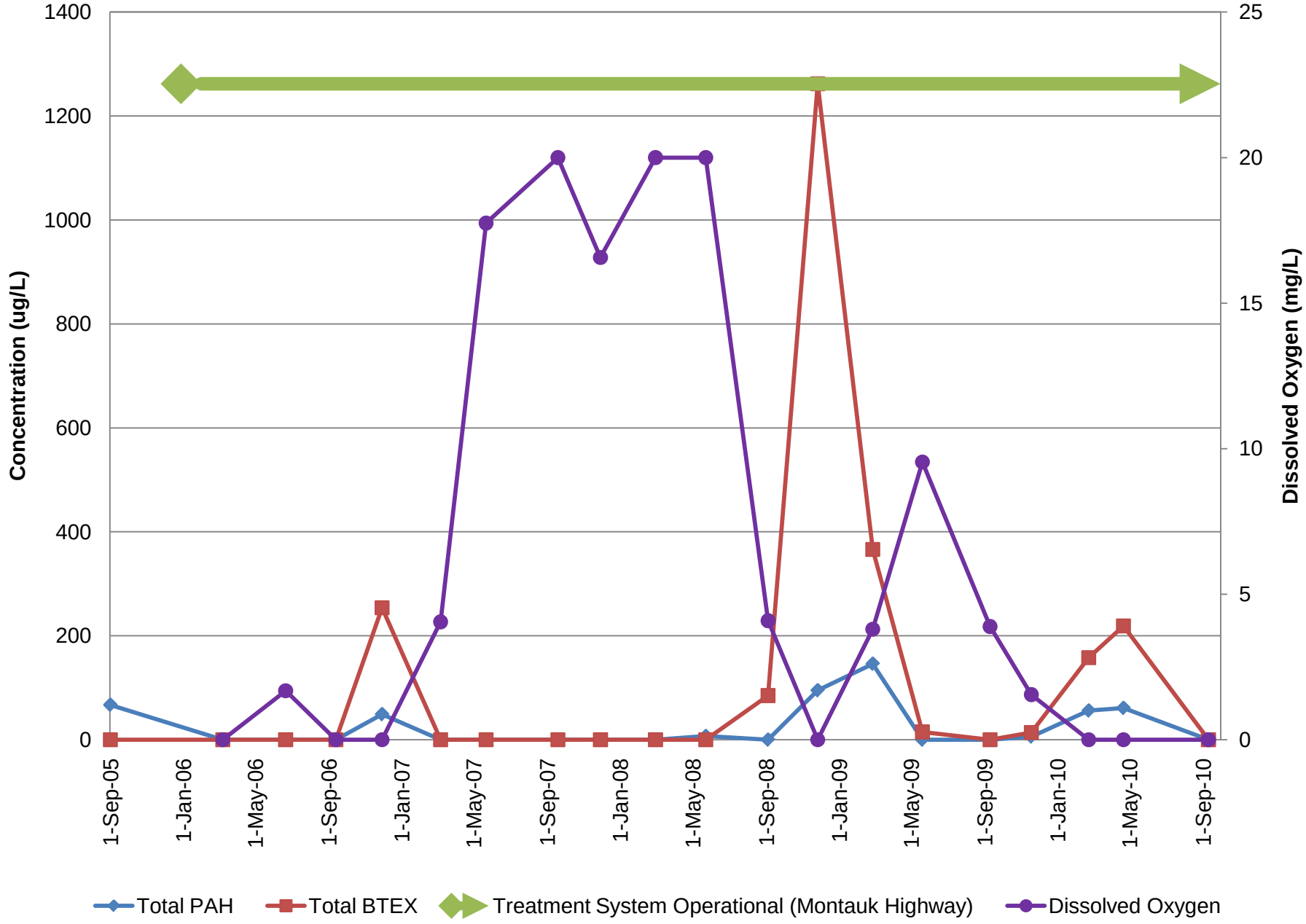
Monitoring Well OU2MW-02D
65-70 ft bgs



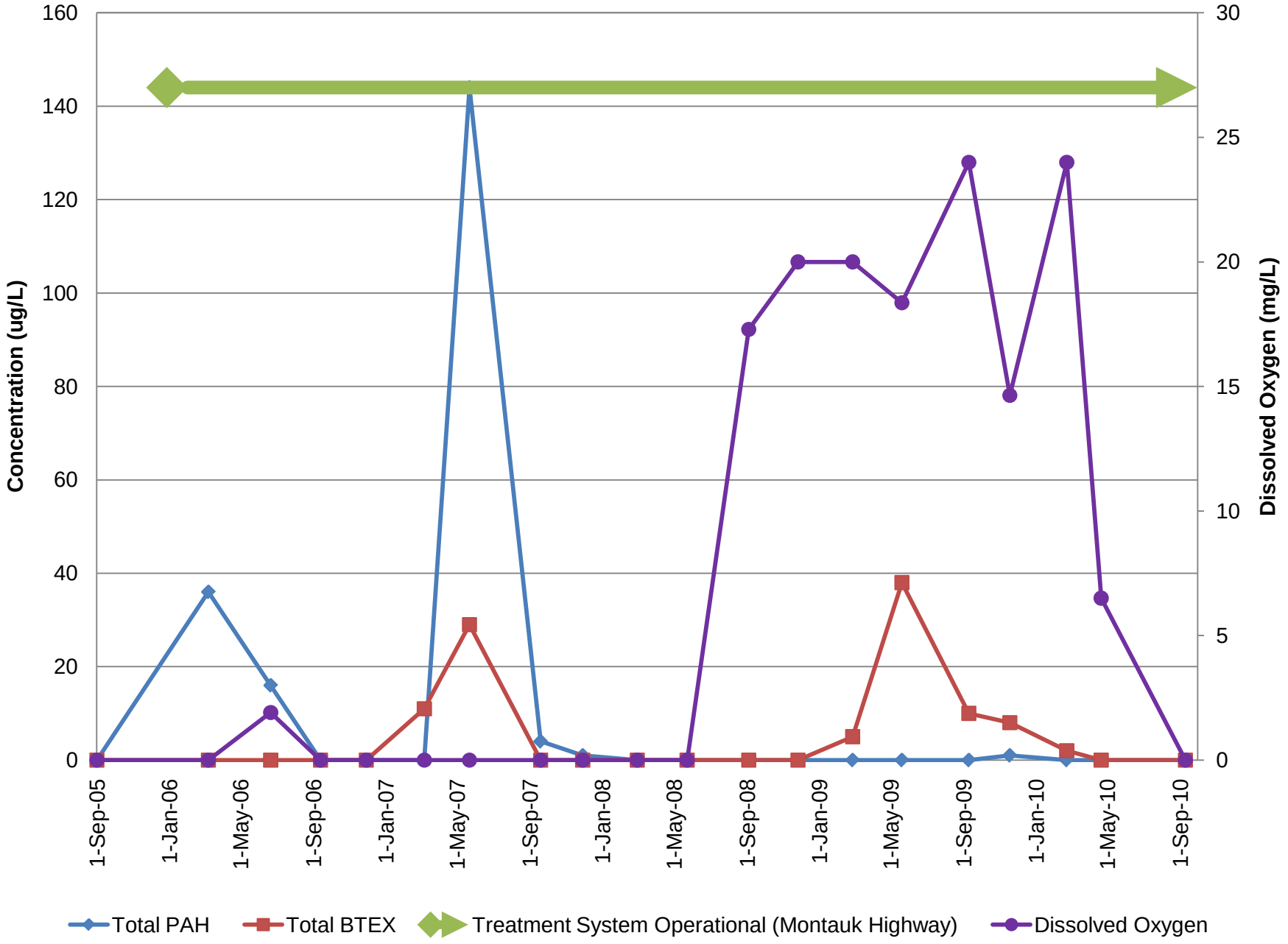
Monitoring Well OU2MW-03S
20-25 ft bgs



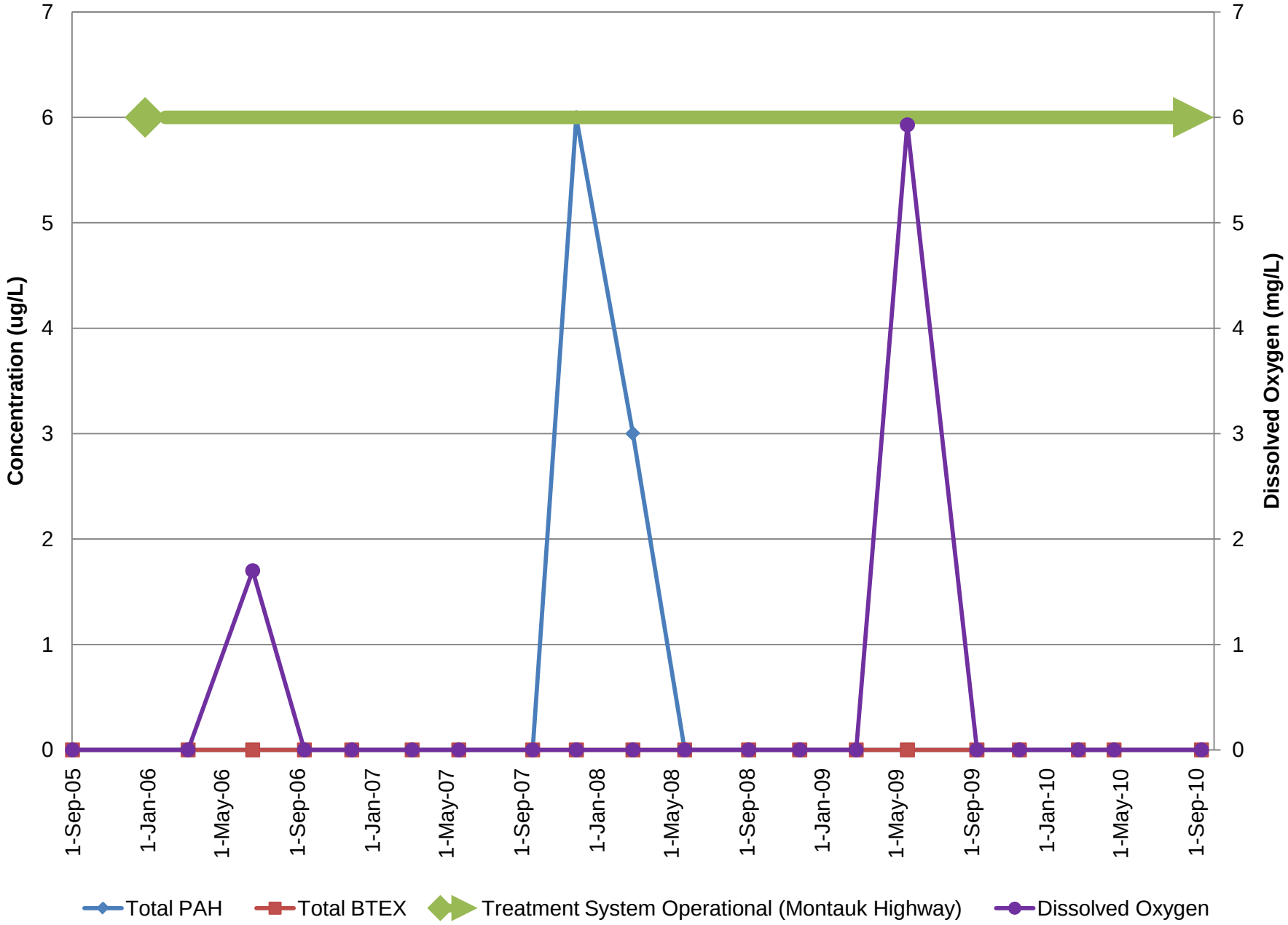
Monitoring Well OU2MW-03I
35-40 ft bgs



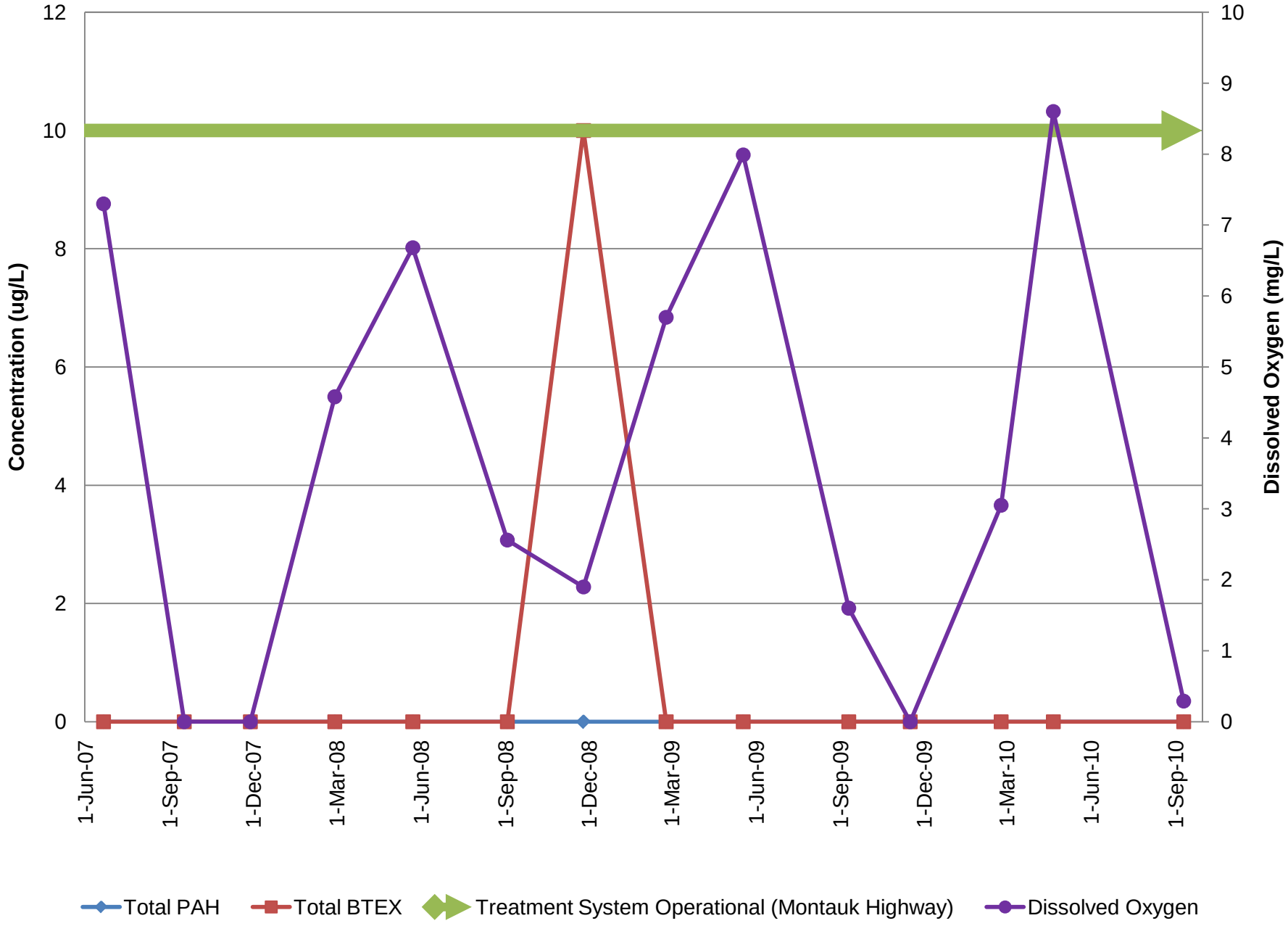
Monitoring Well OU2MW-03I2
50-55 ft bgs



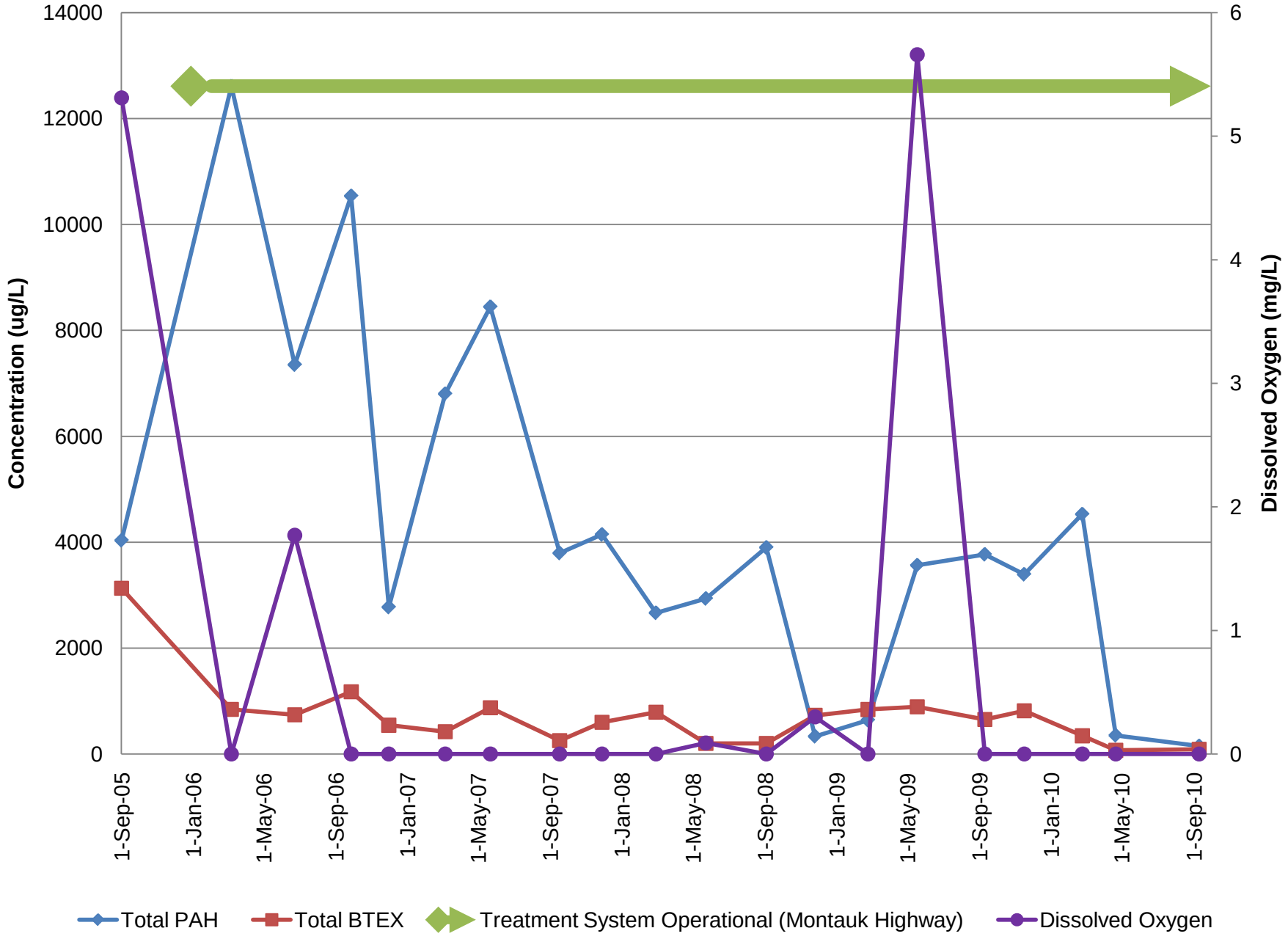
Monitoring Well OU2MW-03D
65-70 ft bgs



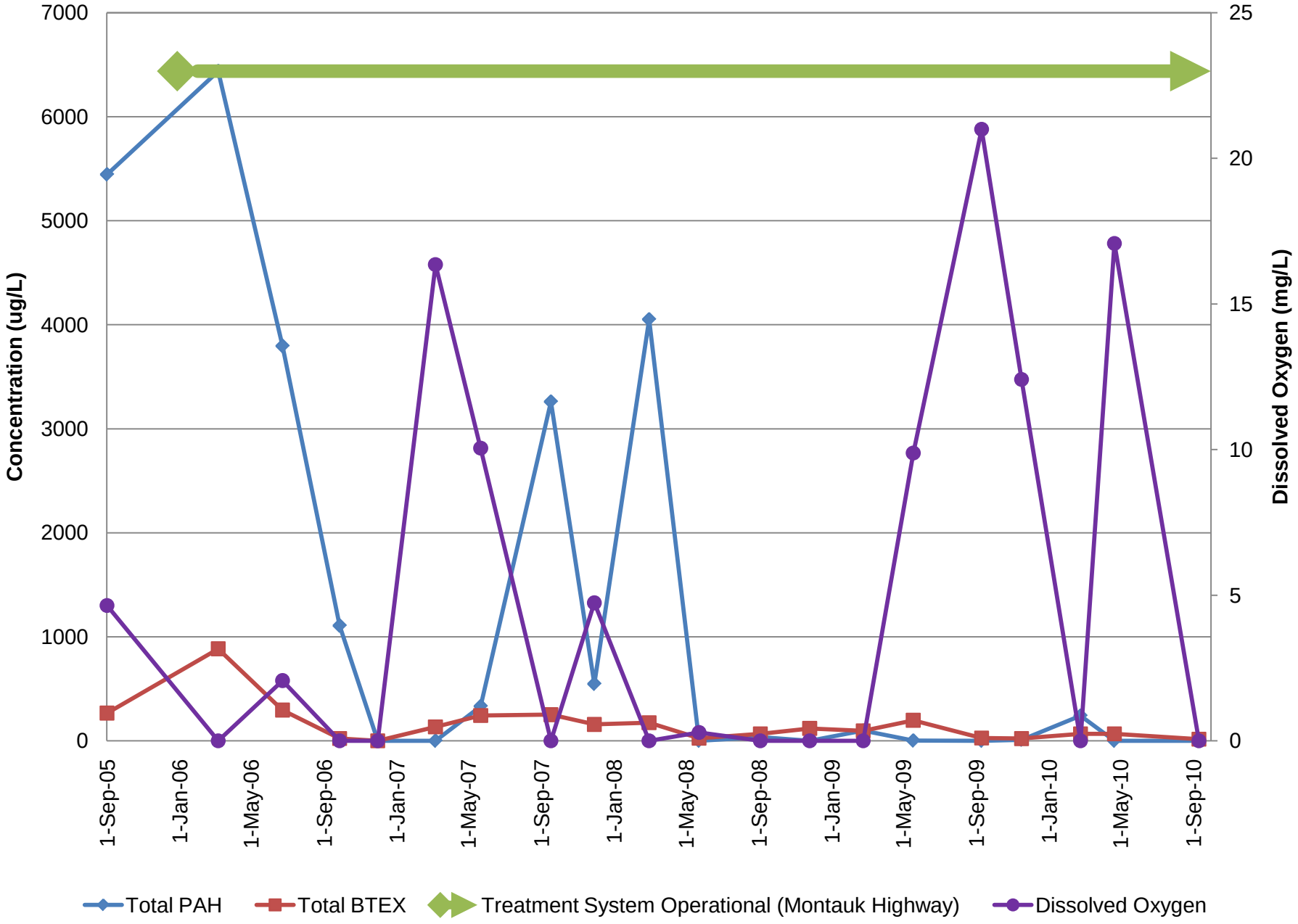
Monitoring Well OU2MW-04WT
3-8 ft bgs



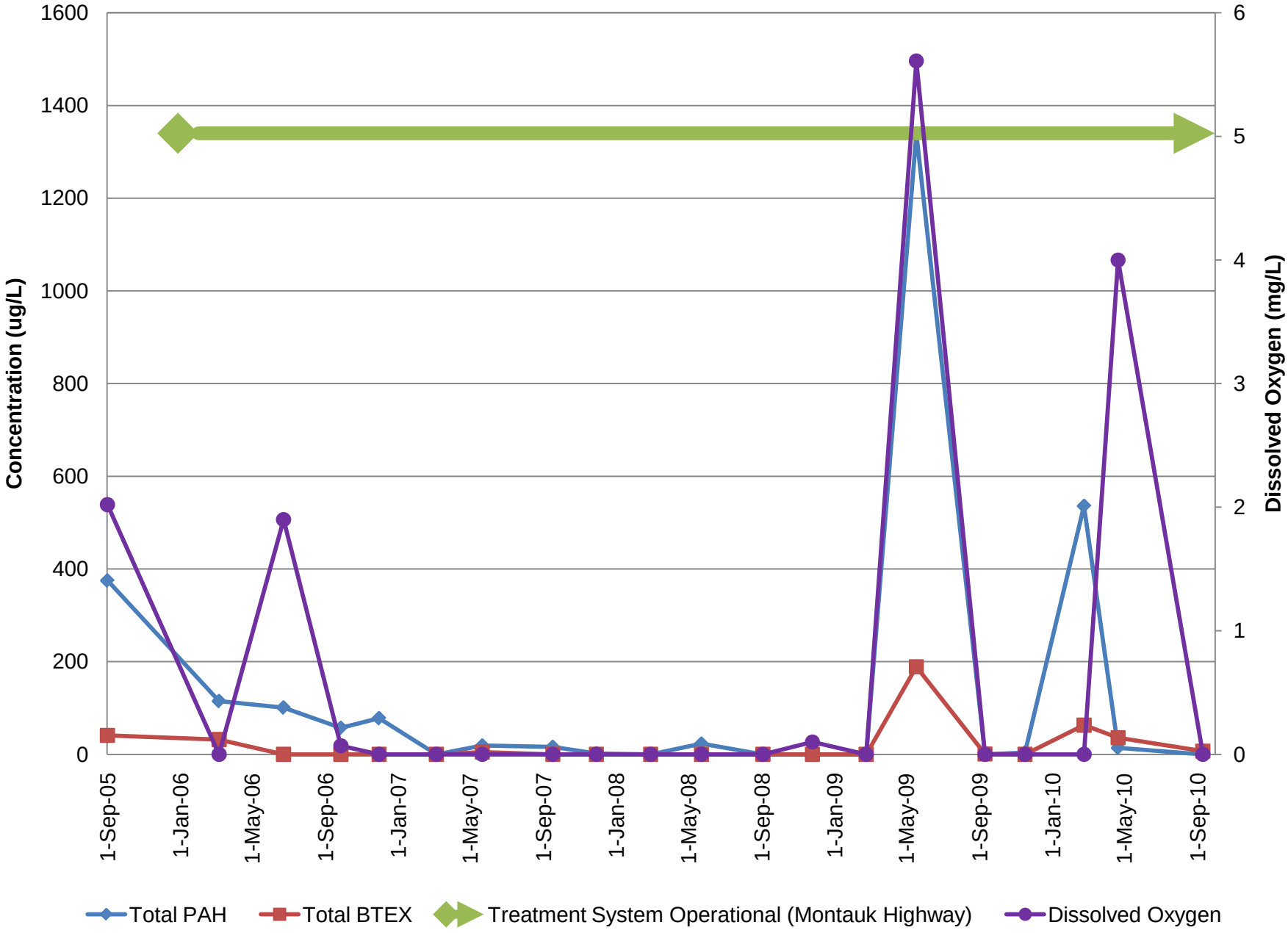
Monitoring Well OU2MW-04S
20-25 ft bgs



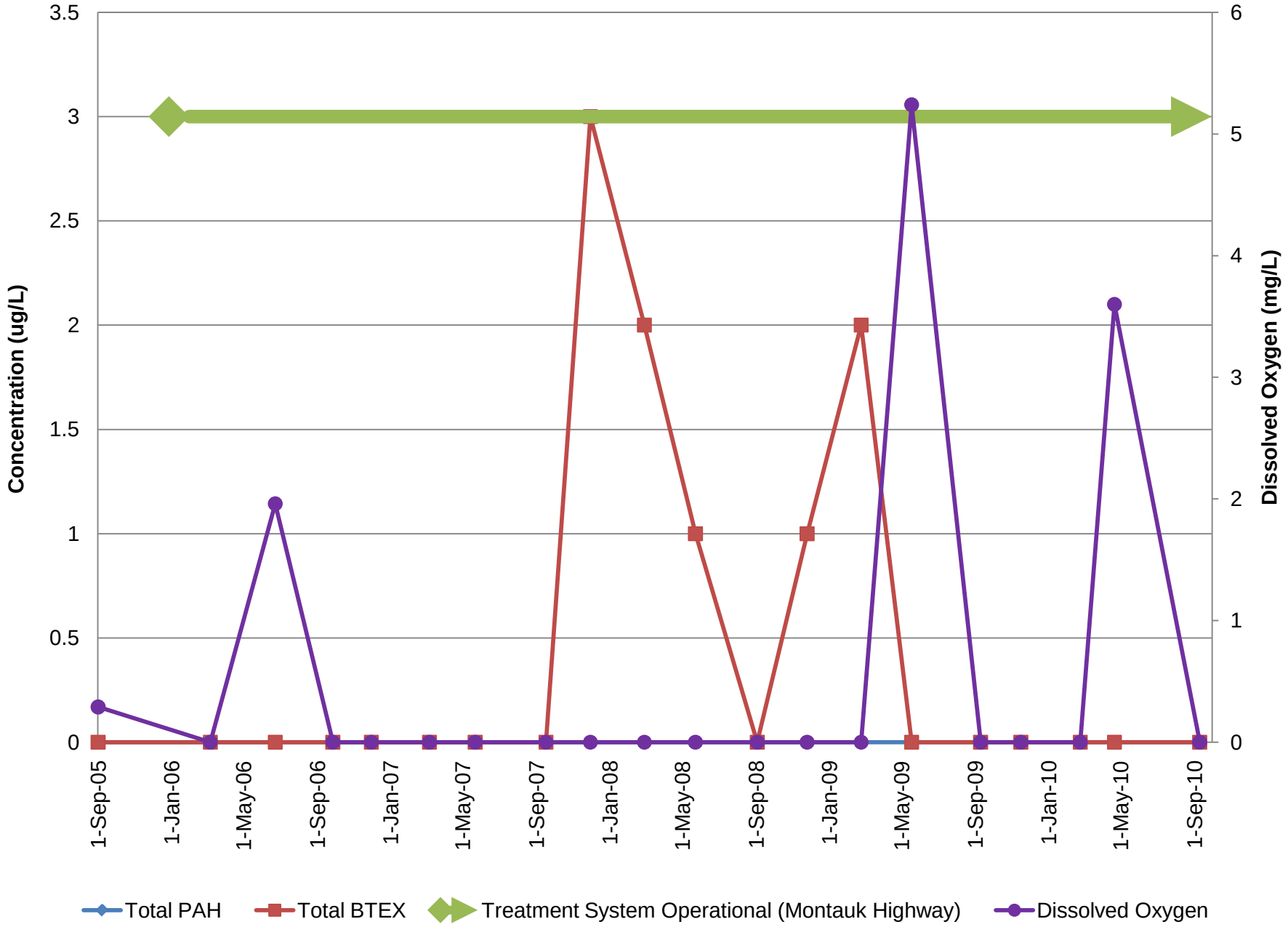
Monitoring Well OU2MW-04I
35-40 ft bgs



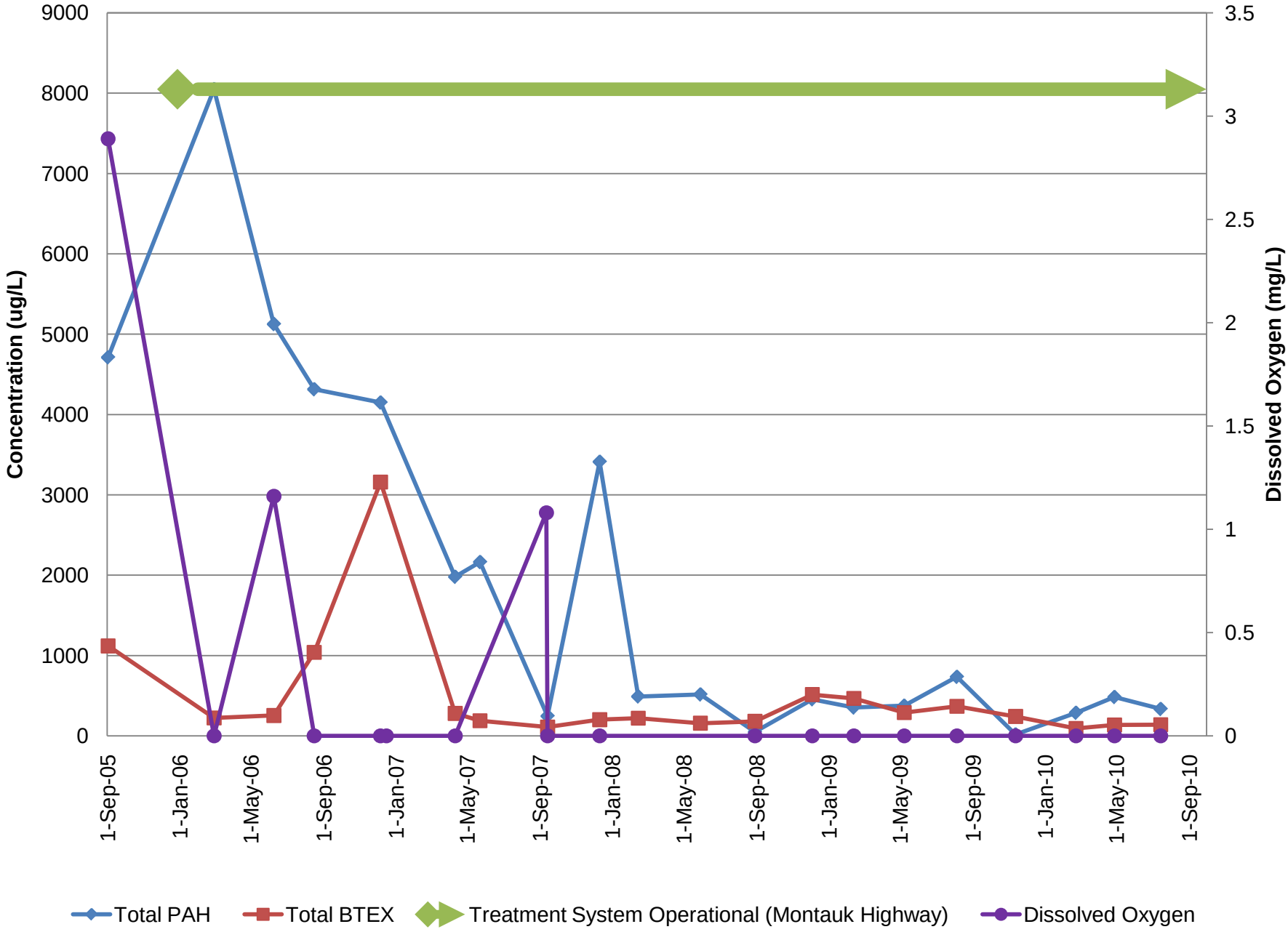
Monitoring Well OU2MW-04I2
50-55 ft bgs



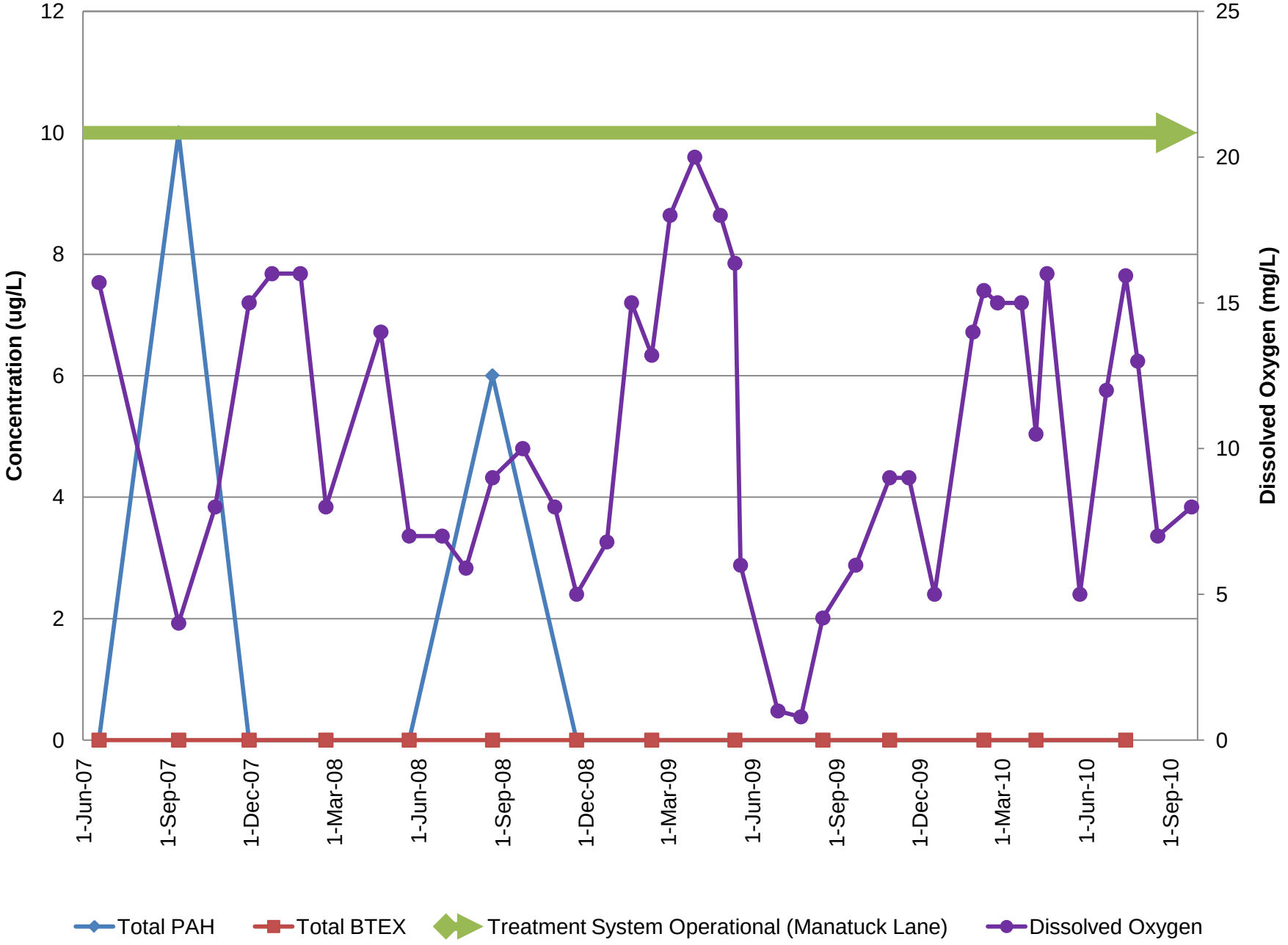
Monitoring Well OU2MW-04D
65-70 ft bgs



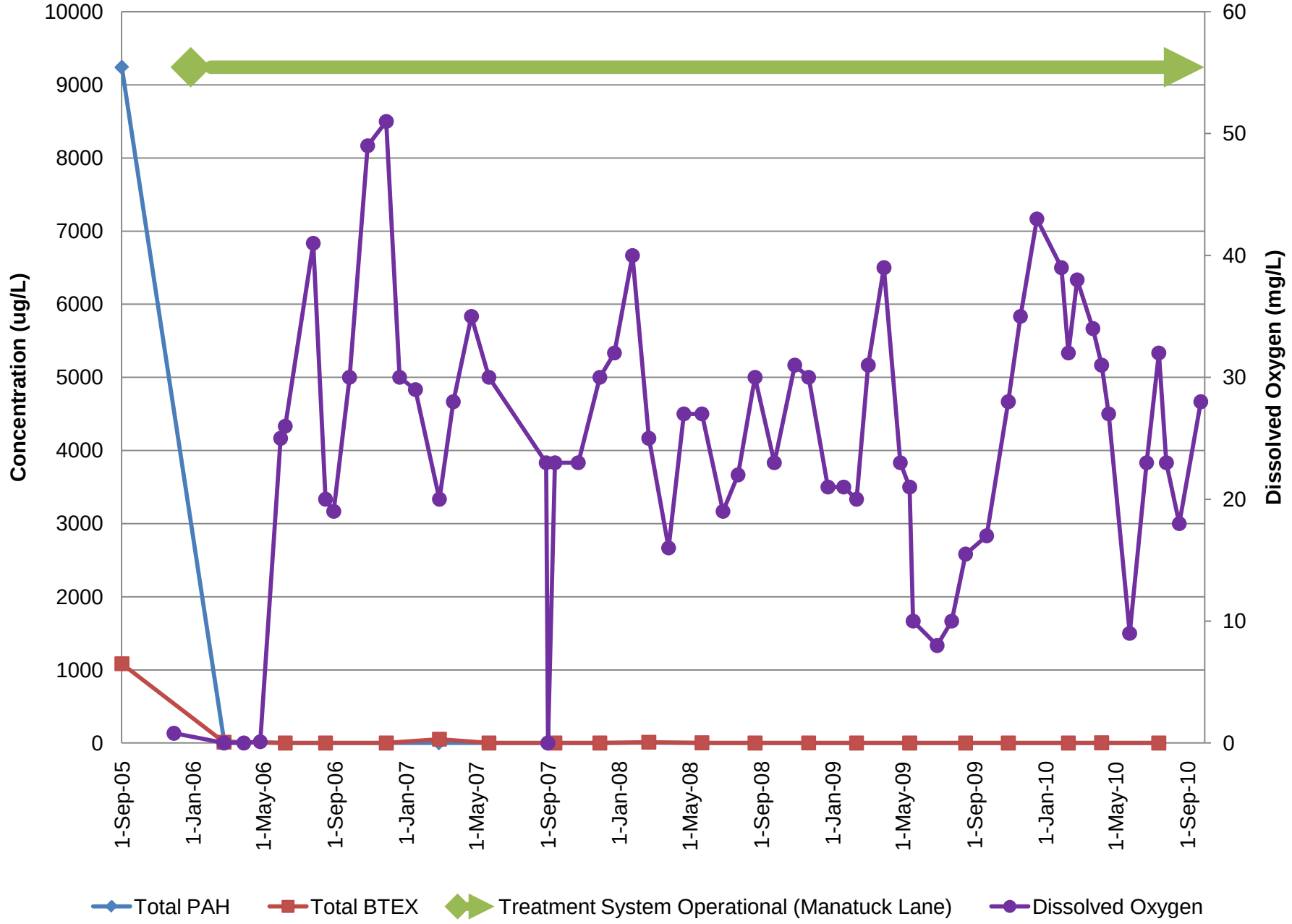
Monitoring Well OU2MW-05
25-35 ft bgs



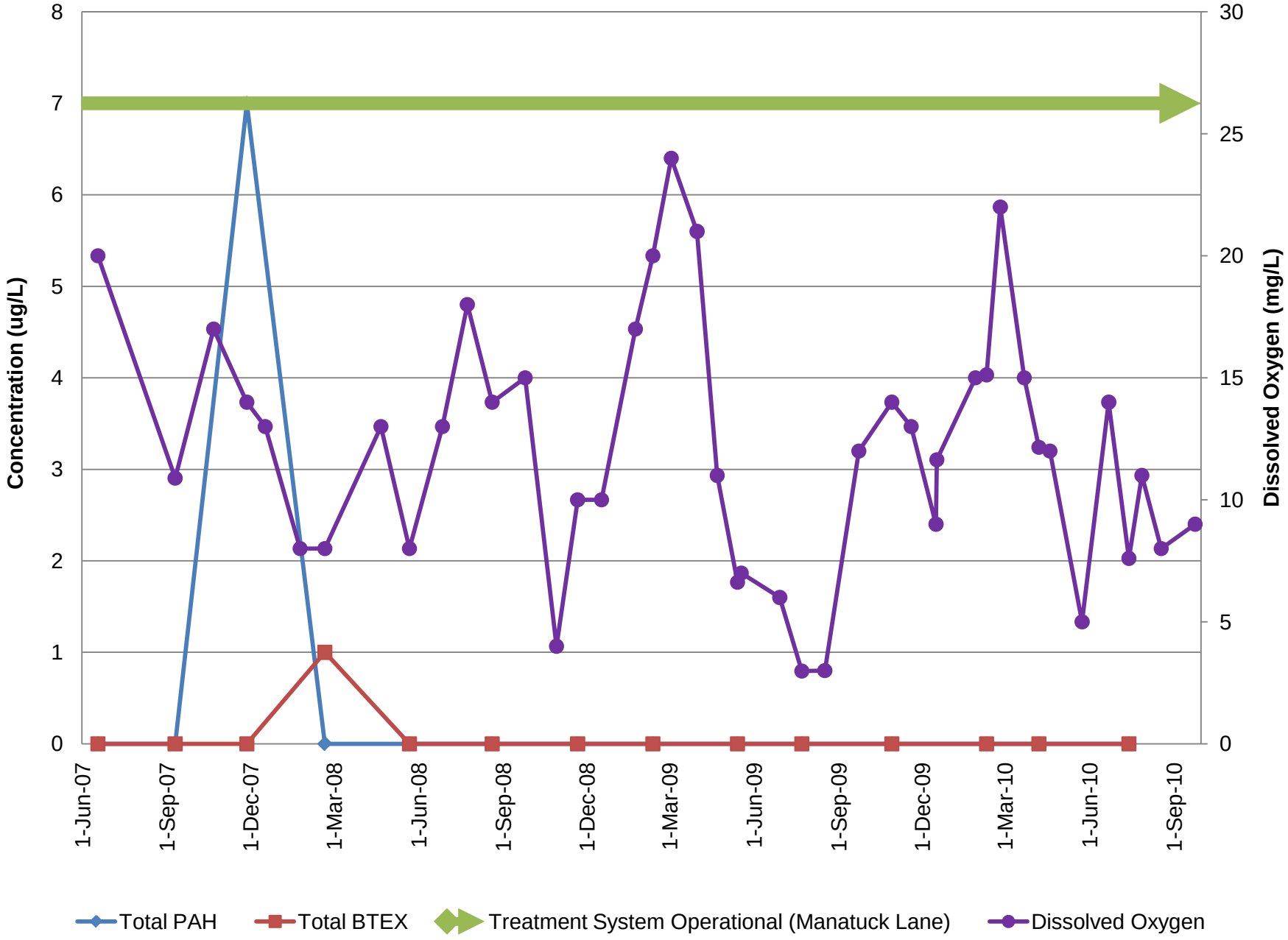
Monitoring Well OU2MW-06S
3-8 ft bgs



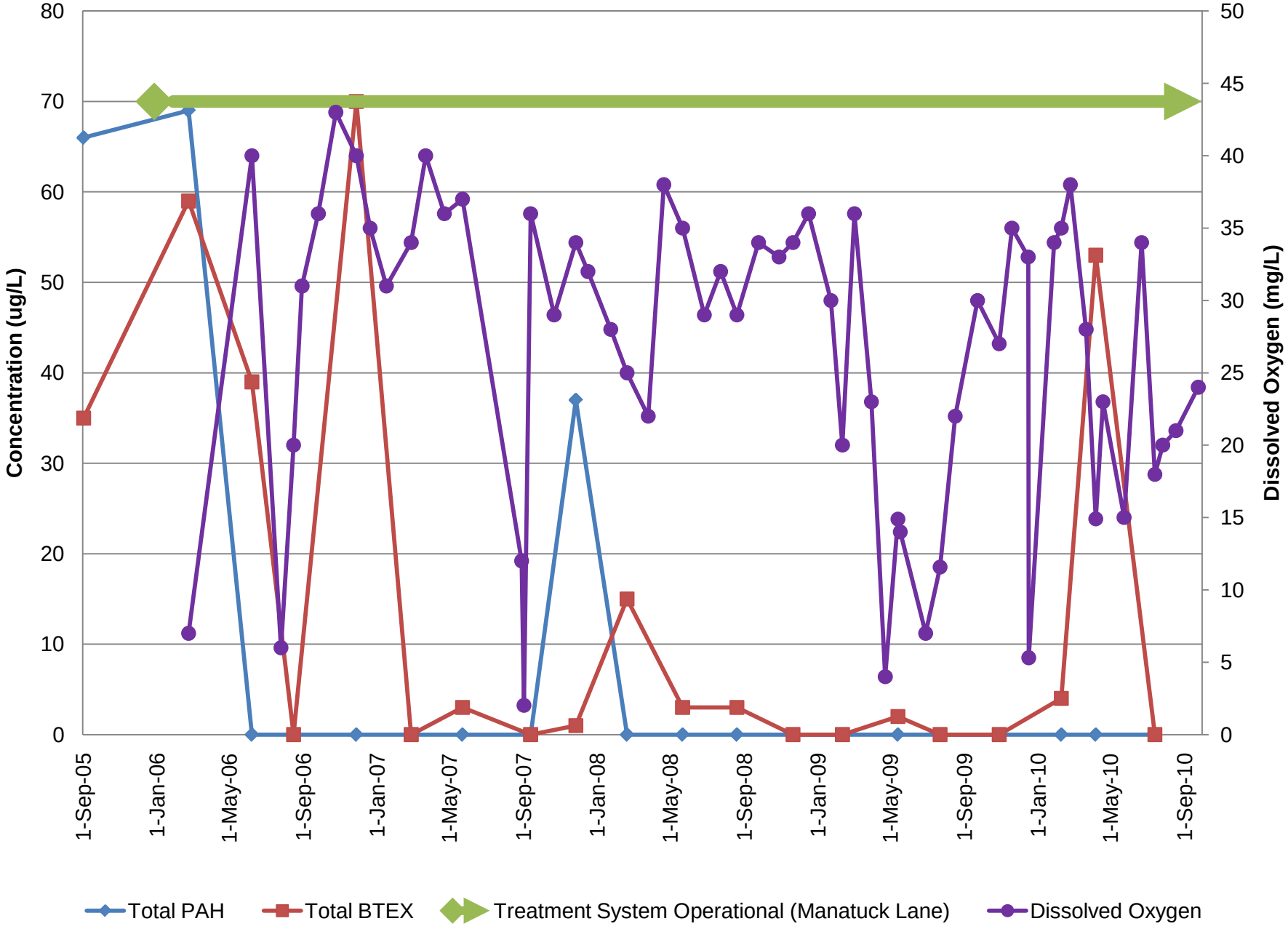
Monitoring Well OU2MW-06
15-25 ft bgs



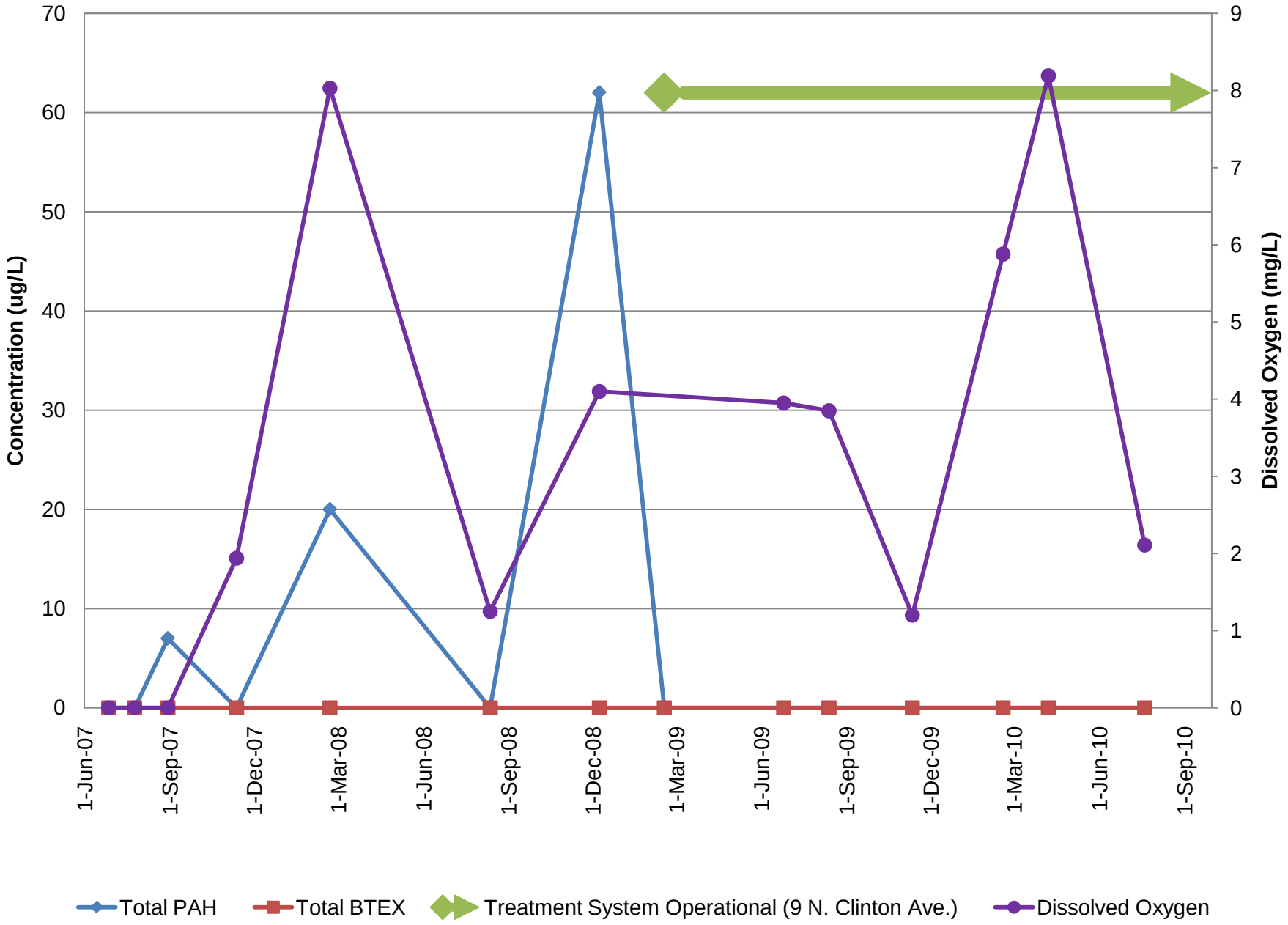
Monitoring Well OU2MW-07S
3-8 ft bgs



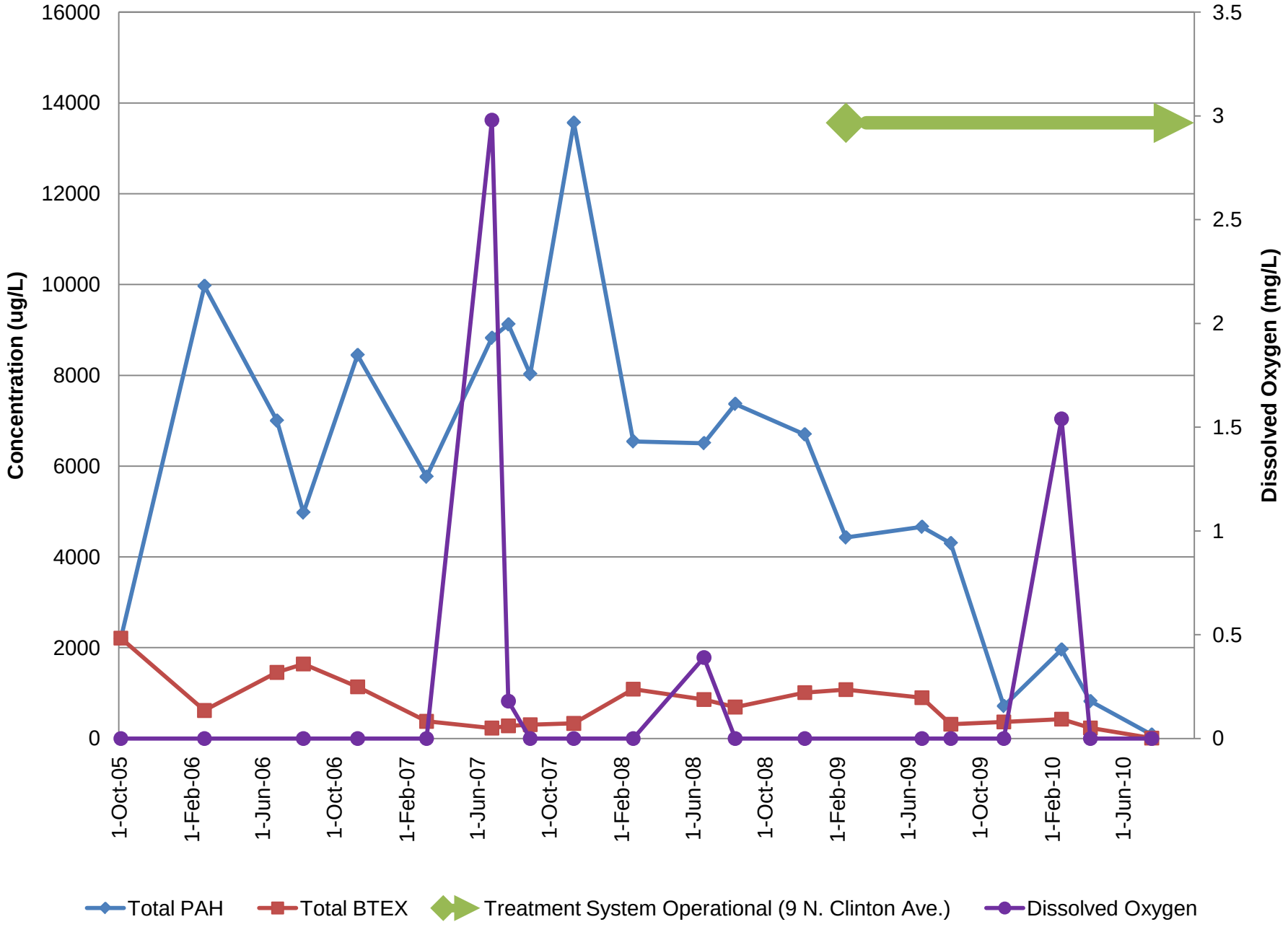
Monitoring Well OU2MW-07
15-25 ft bgs



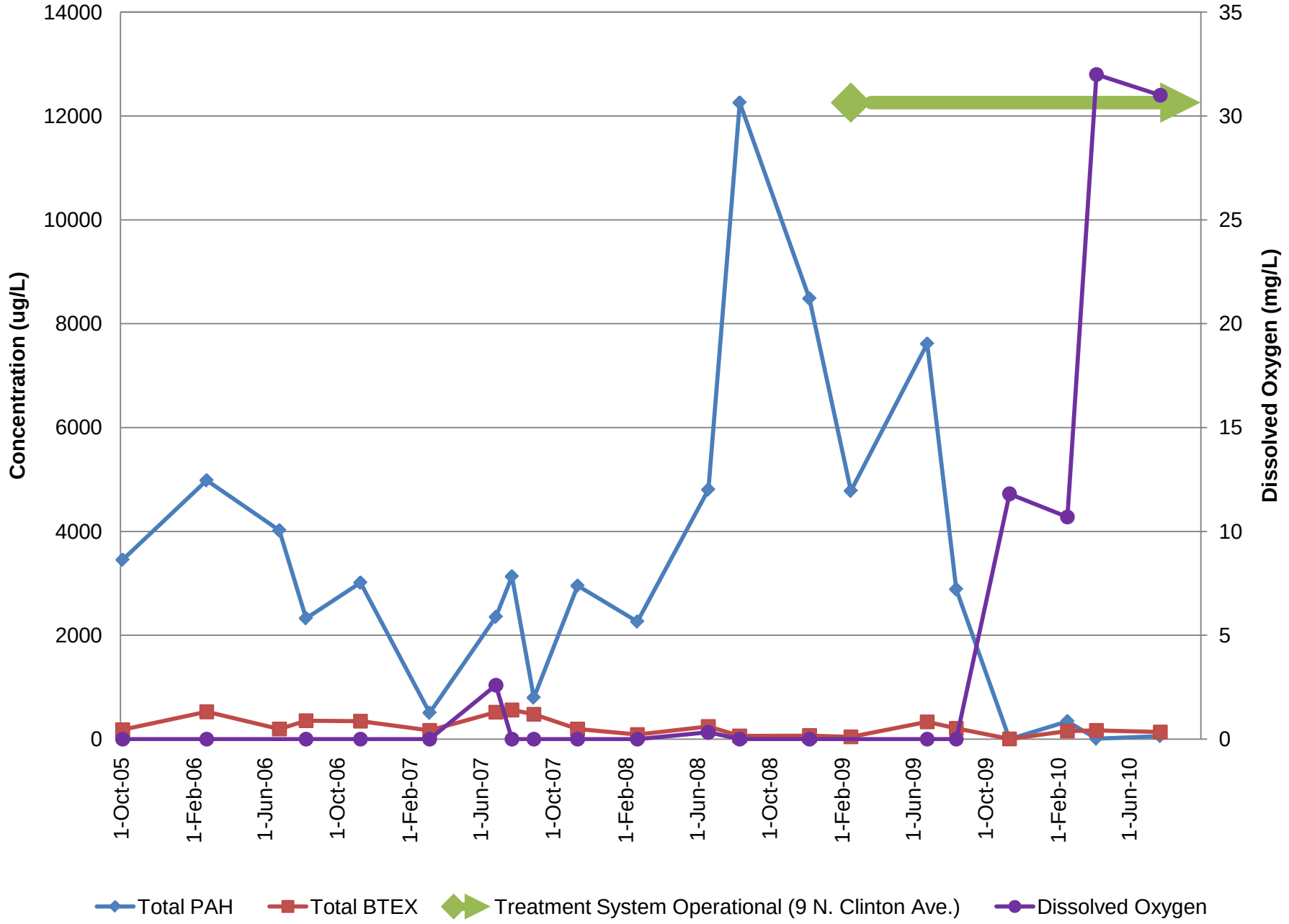
Monitoring Well OU2MW-08WT
3-8 ft bgs



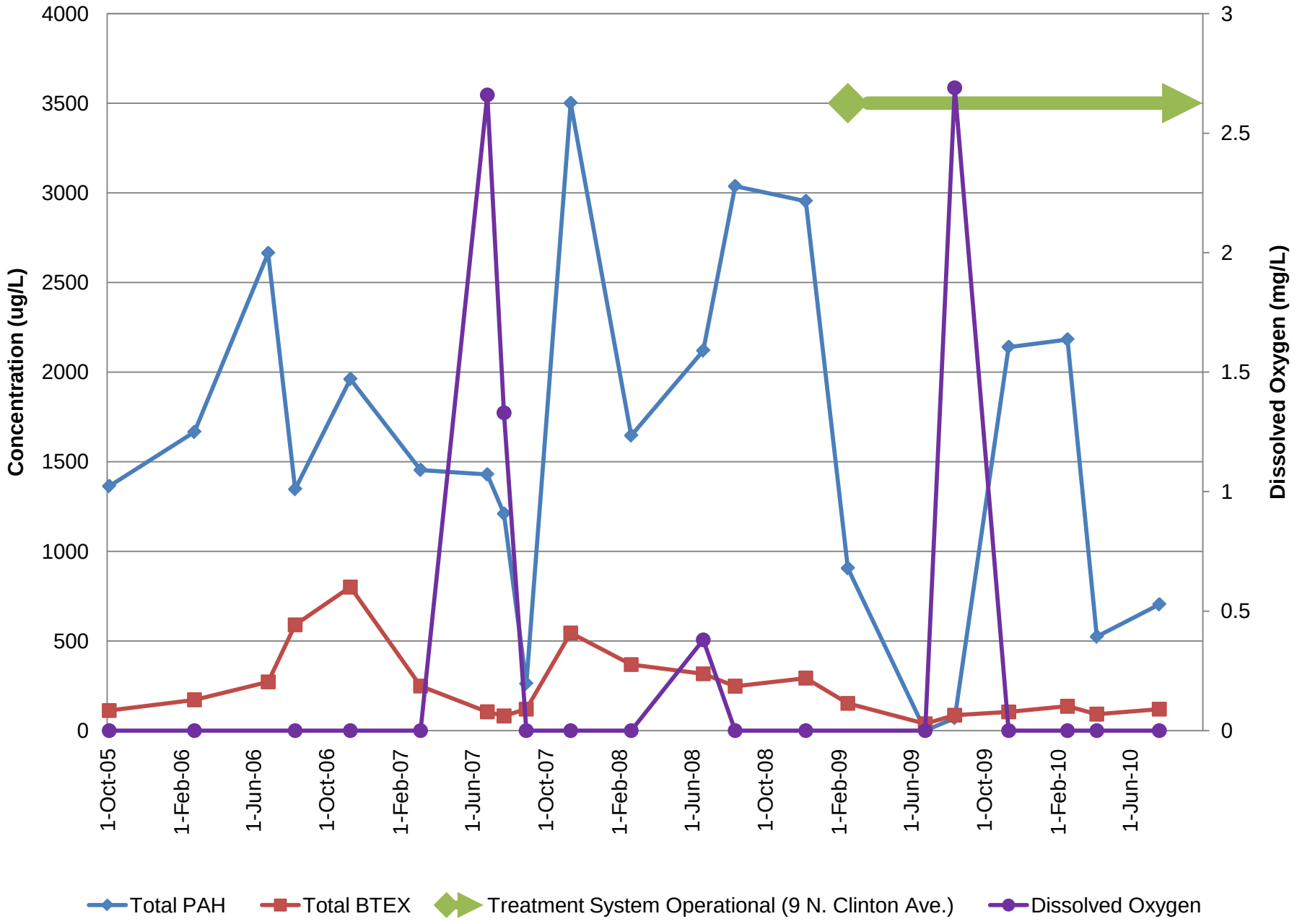
Monitoring Well OU2MW-08S
20-25 ft bgs



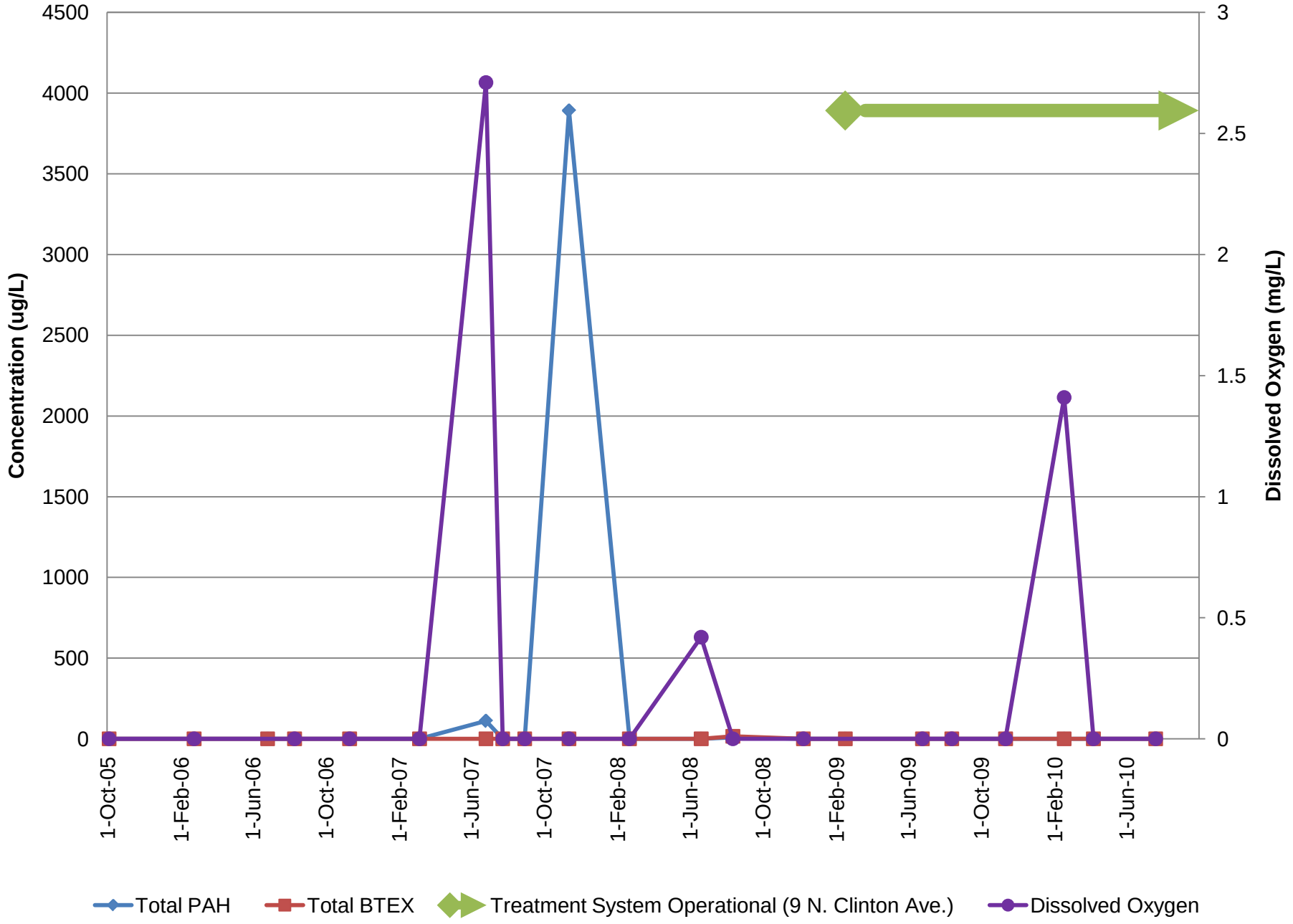
Monitoring Well OU2MW-08I
35-40 ft bgs



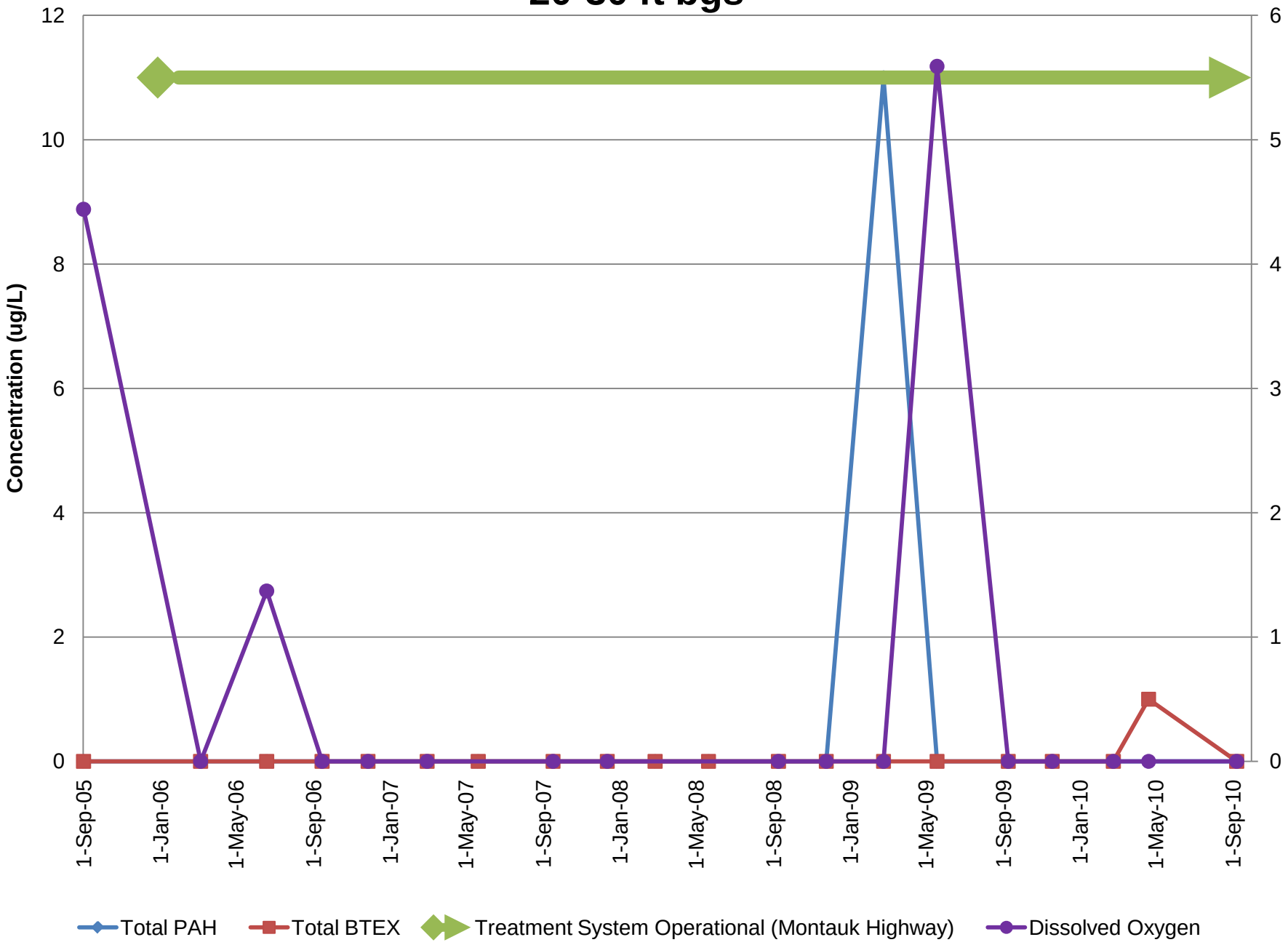
Monitoring Well OU2MW-08I2
50-55 ft bgs



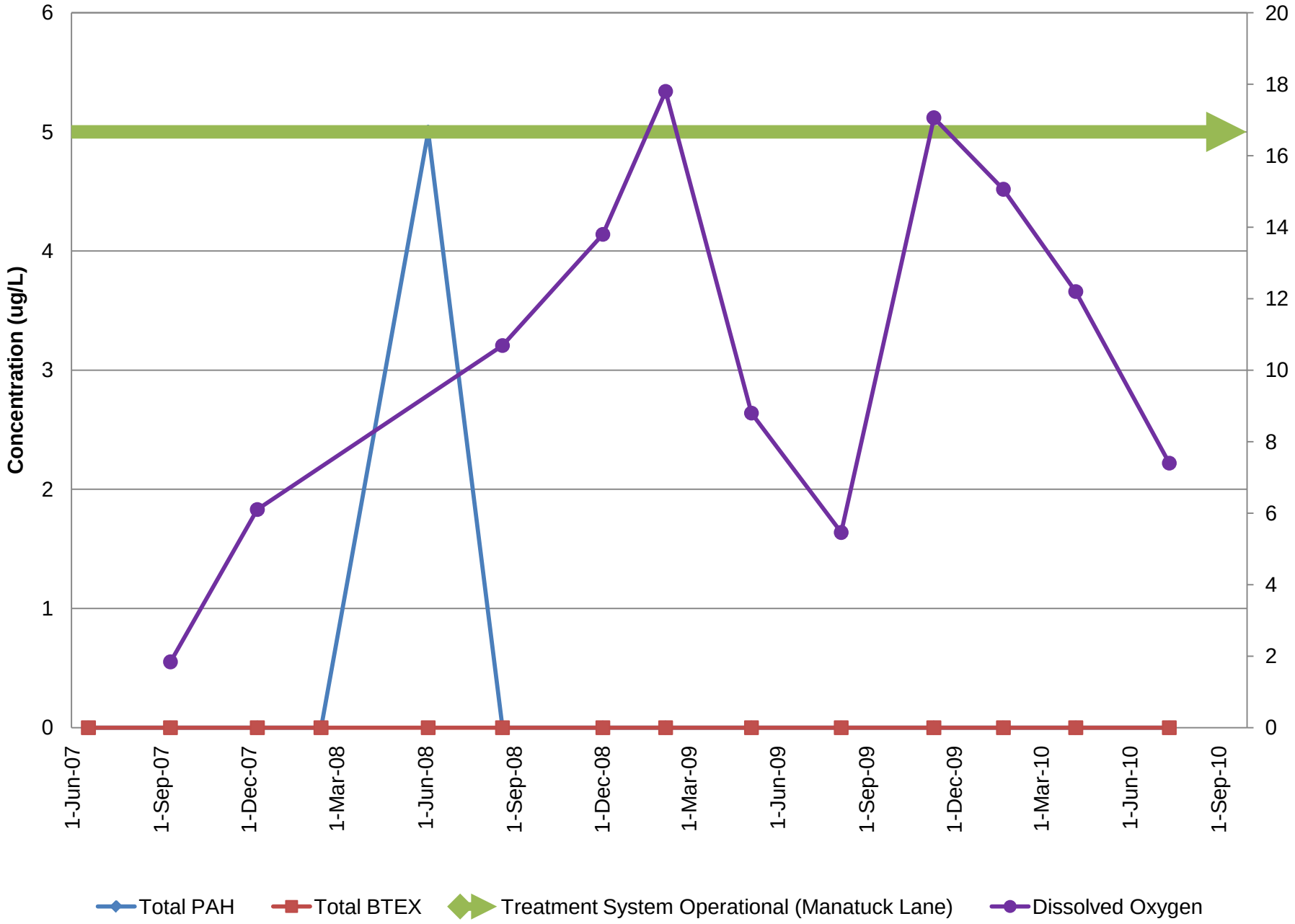
Monitoring Well OU2MW-08D
65-70 ft bgs



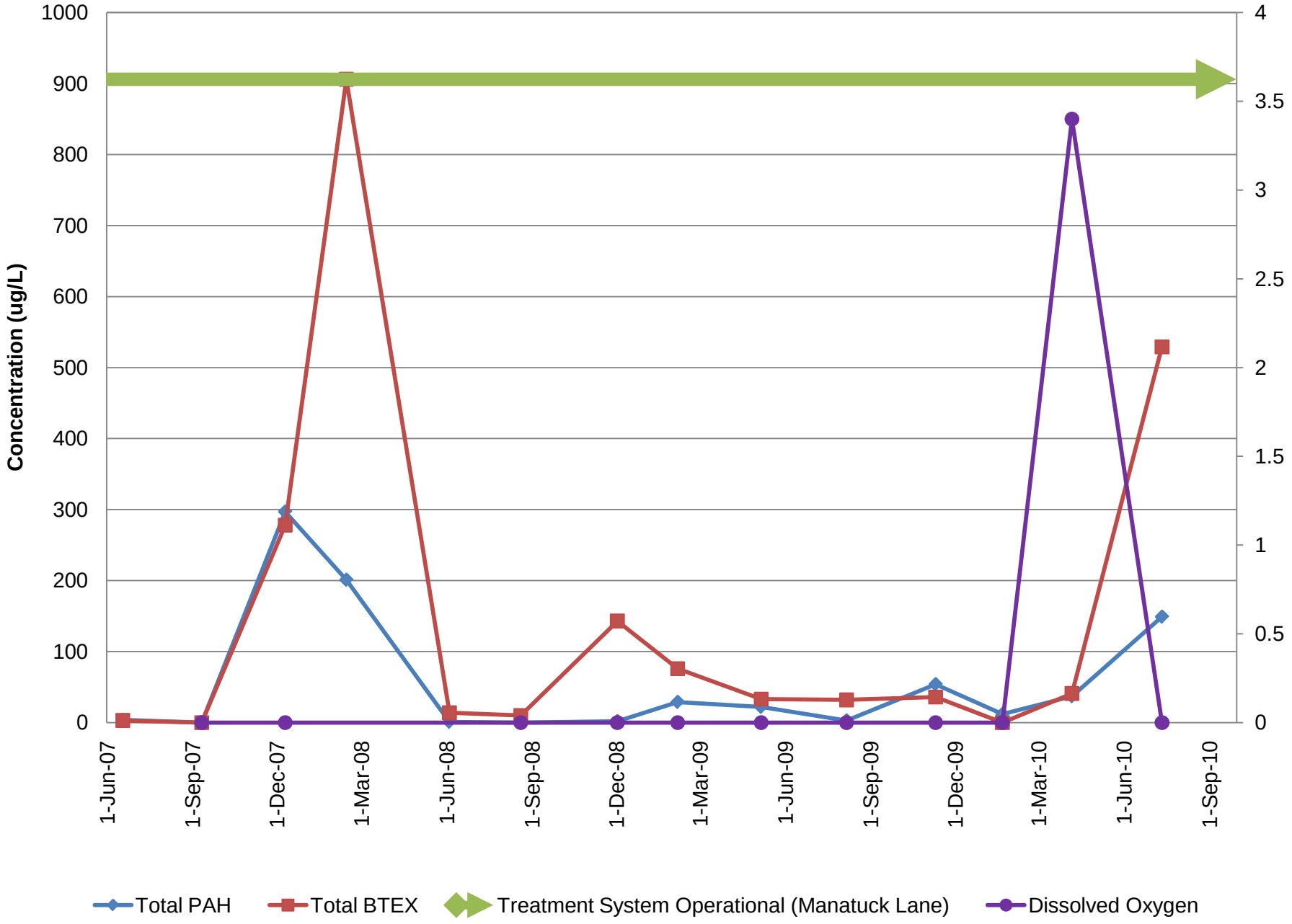
Monitoring Well OU2MW-09
20-30 ft bgs



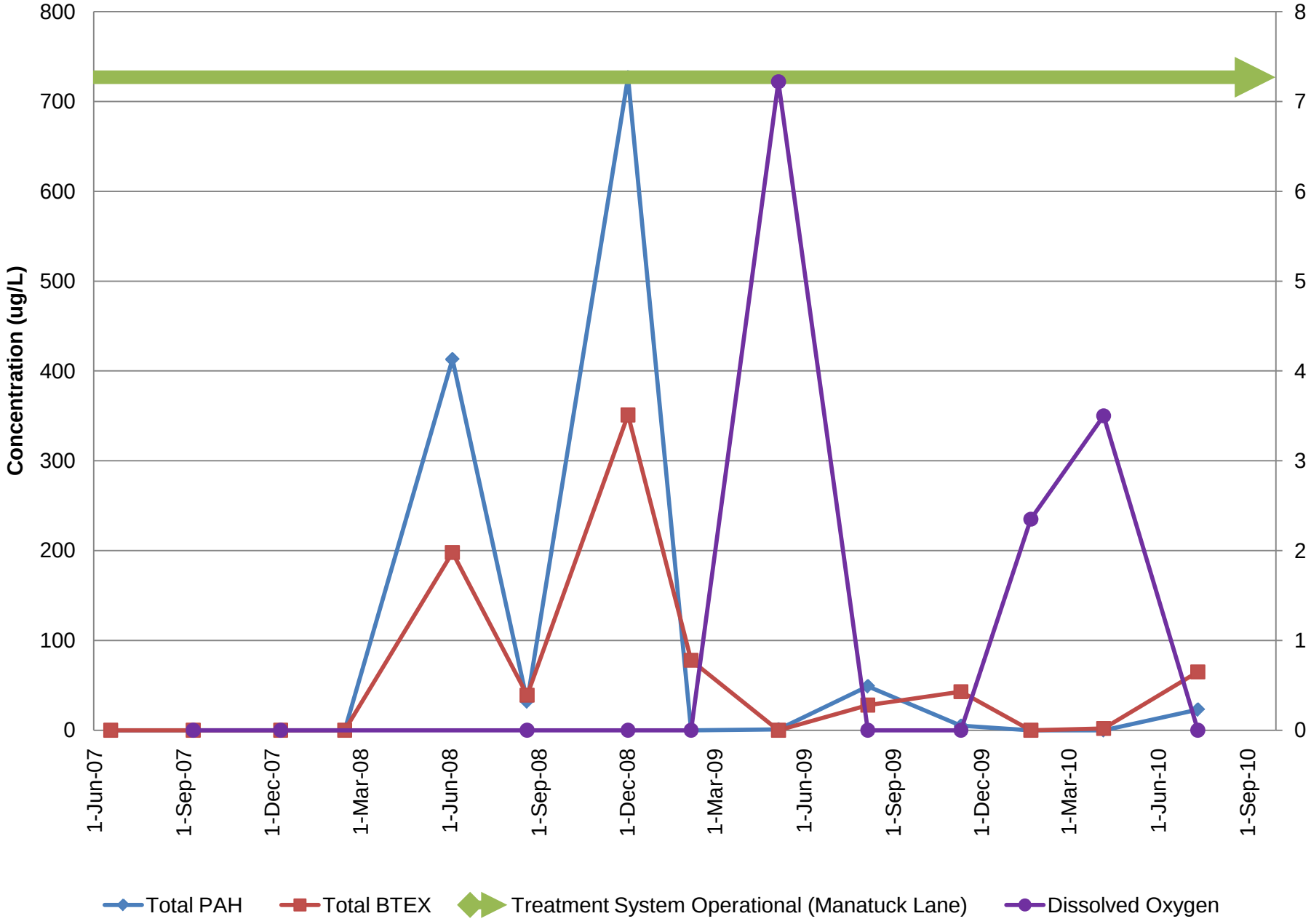
Monitoring Well OU2MW-10S
3-7 ft bgs



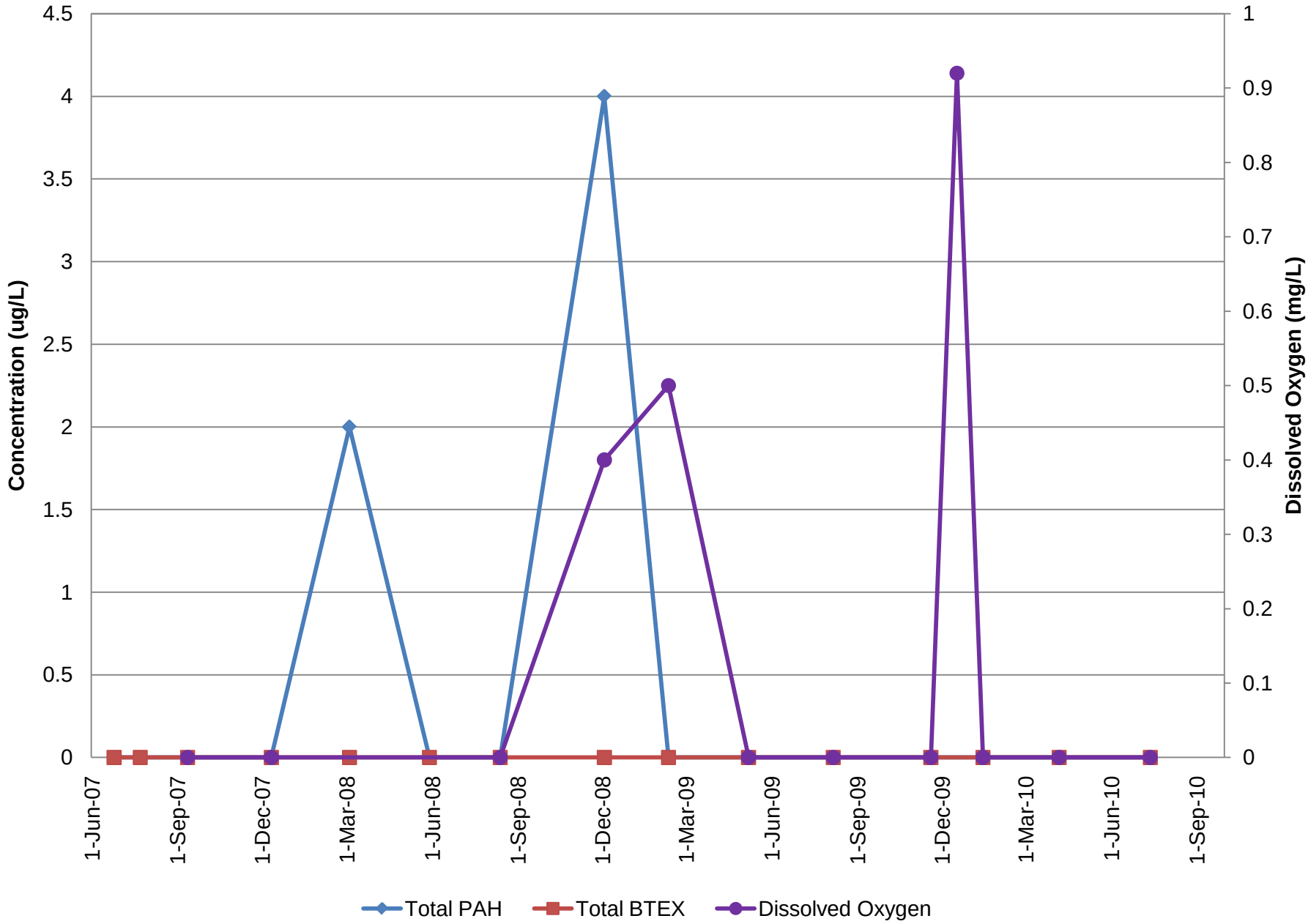
Monitoring Well OU2MW-10I
20-25 ft bgs



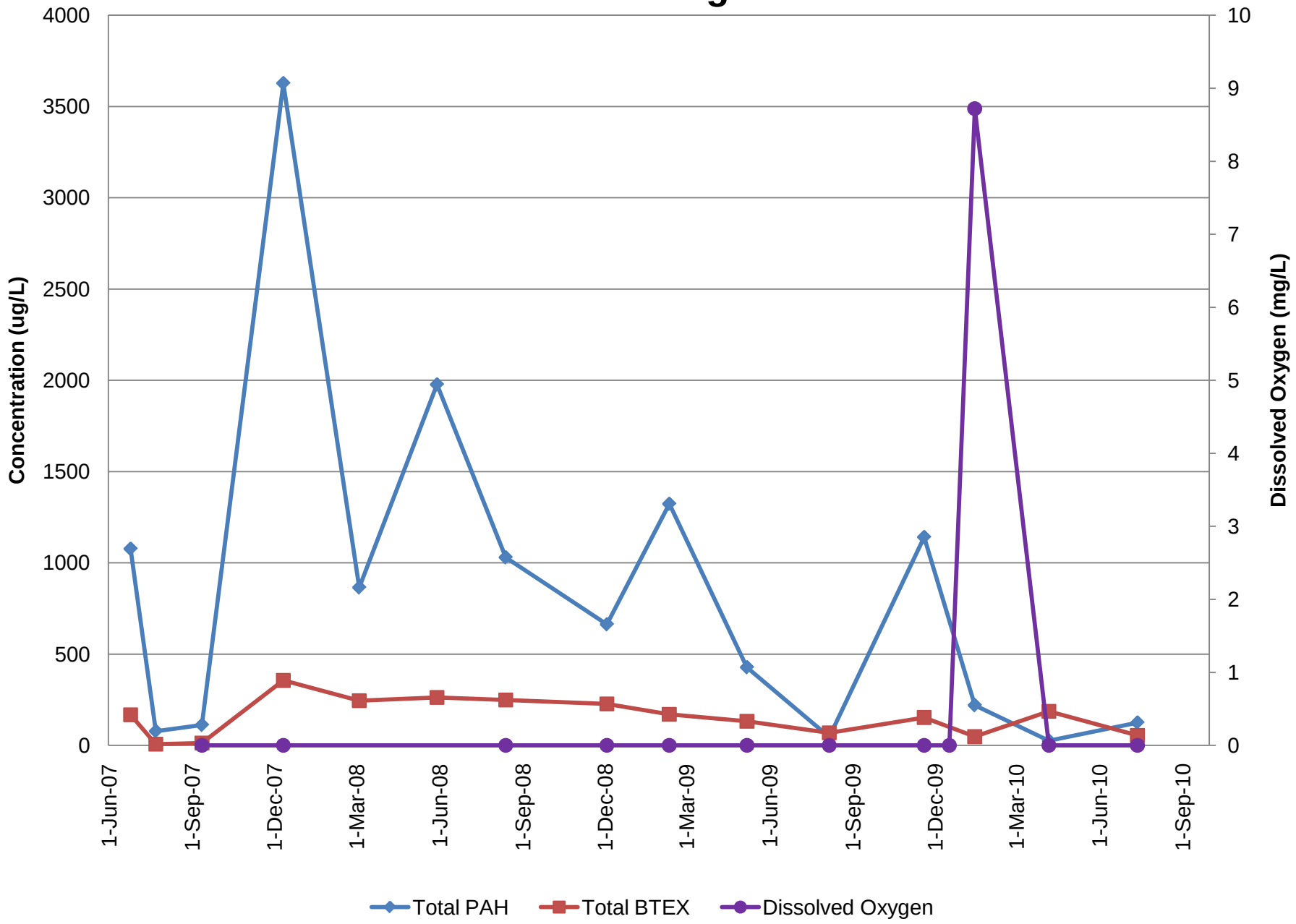
Monitoring Well OU2MW-10D
35-40 ft bgs



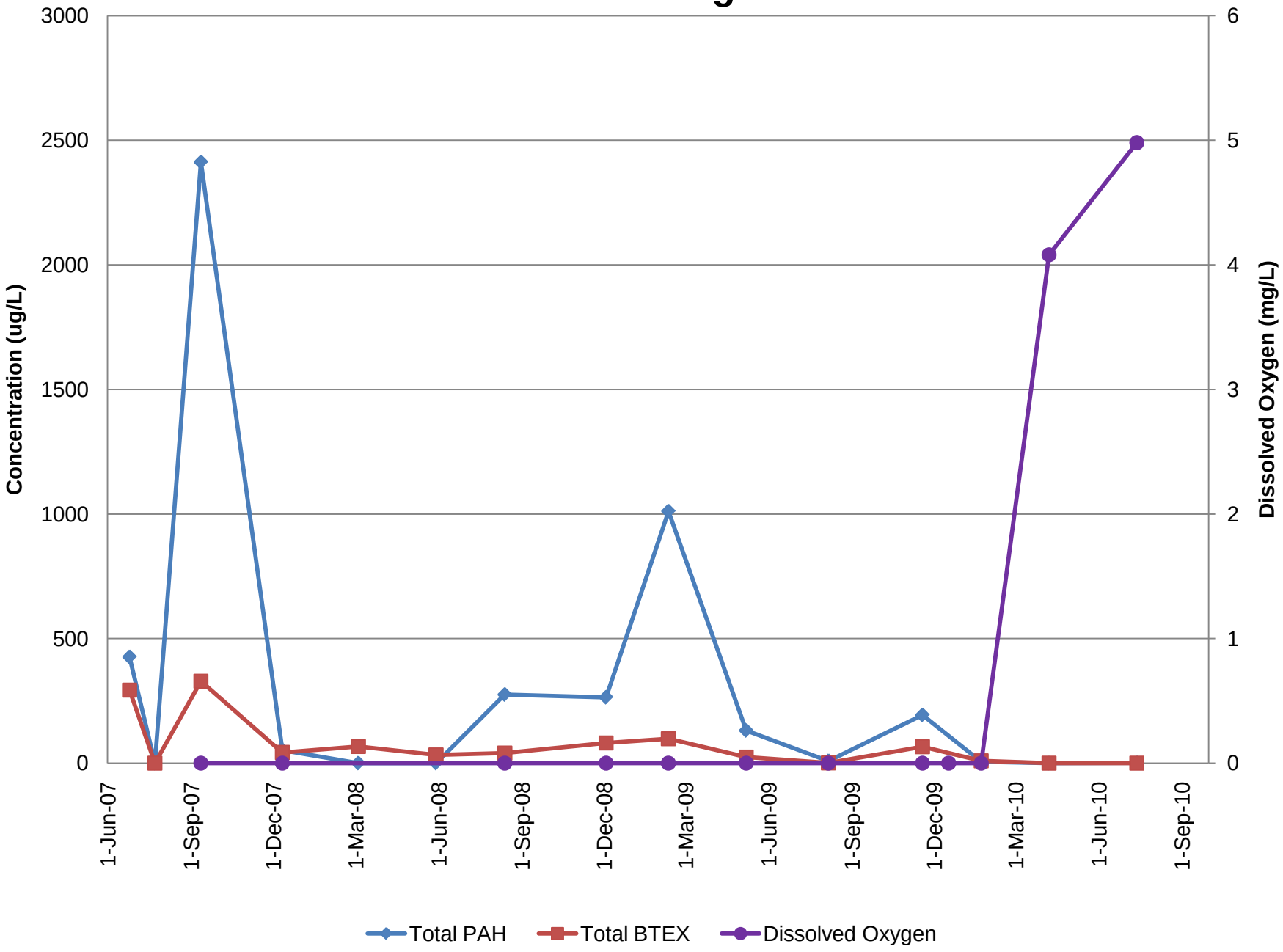
Monitoring Well OU2MW-11S
3-8 ft bgs



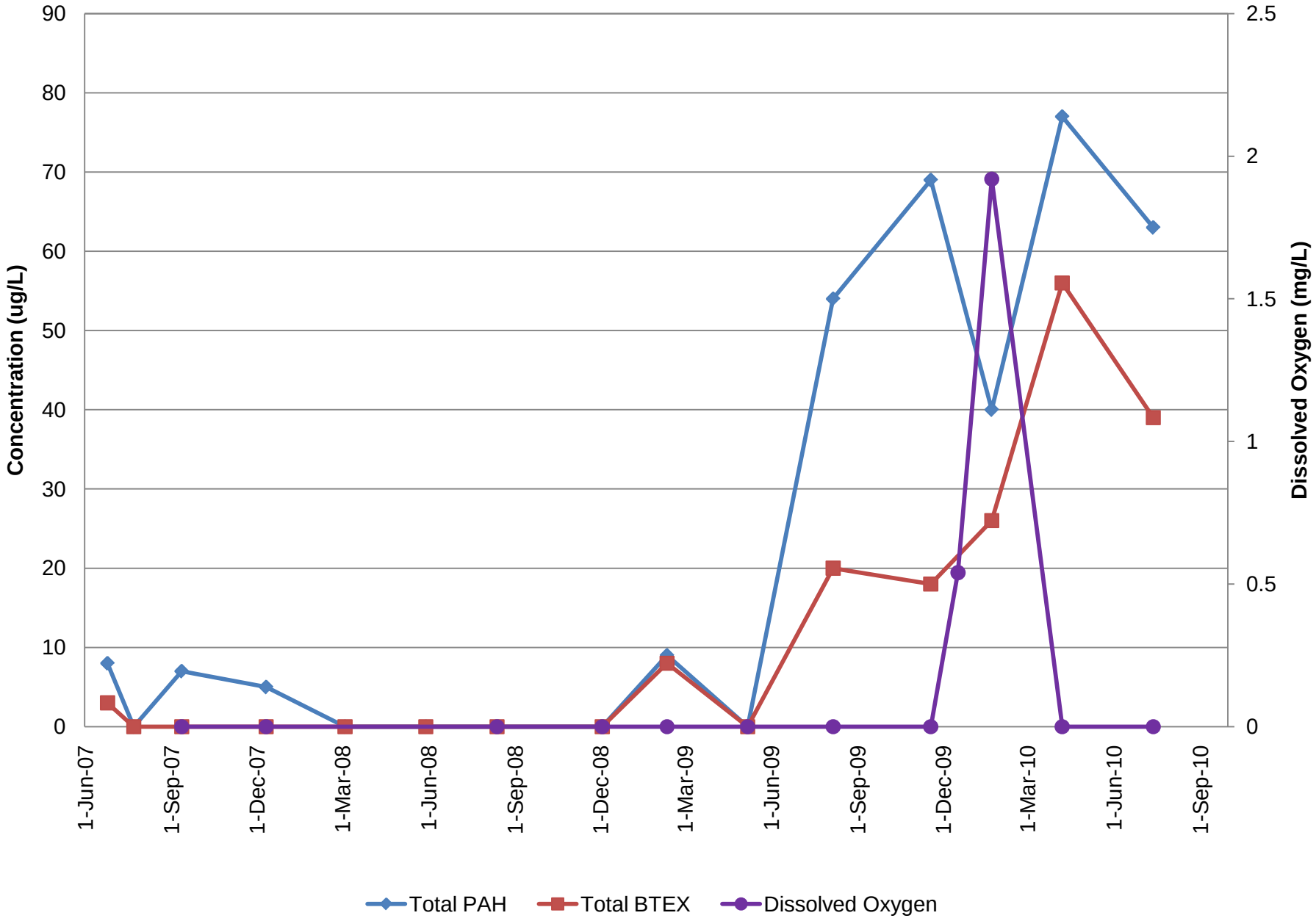
Monitoring Well OU2MW-11I
20-25 ft bgs



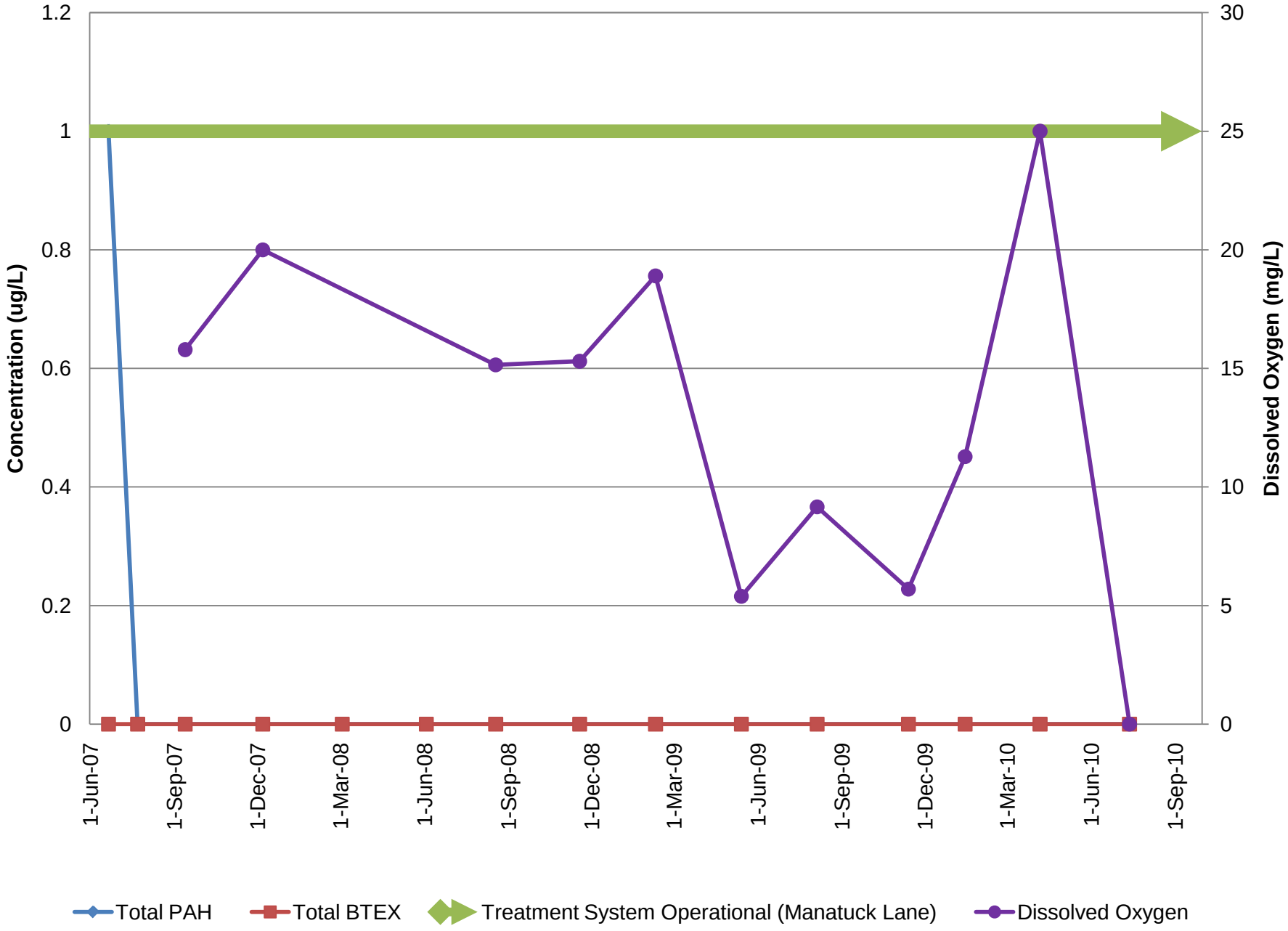
Monitoring Well OU2MW-11I2
30-35 ft bgs



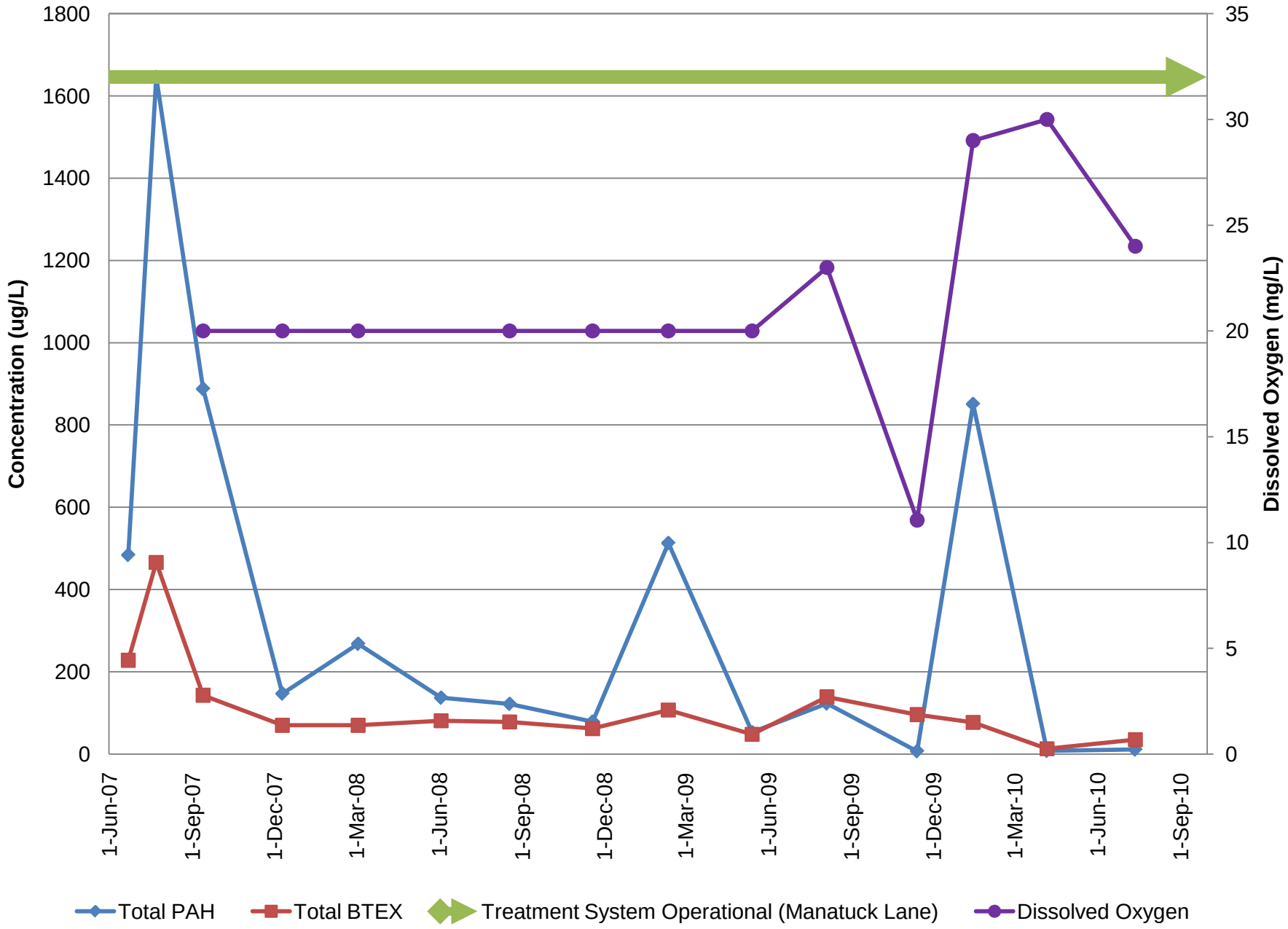
Monitoring Well OU2MW-11D
40-45 ft bgs



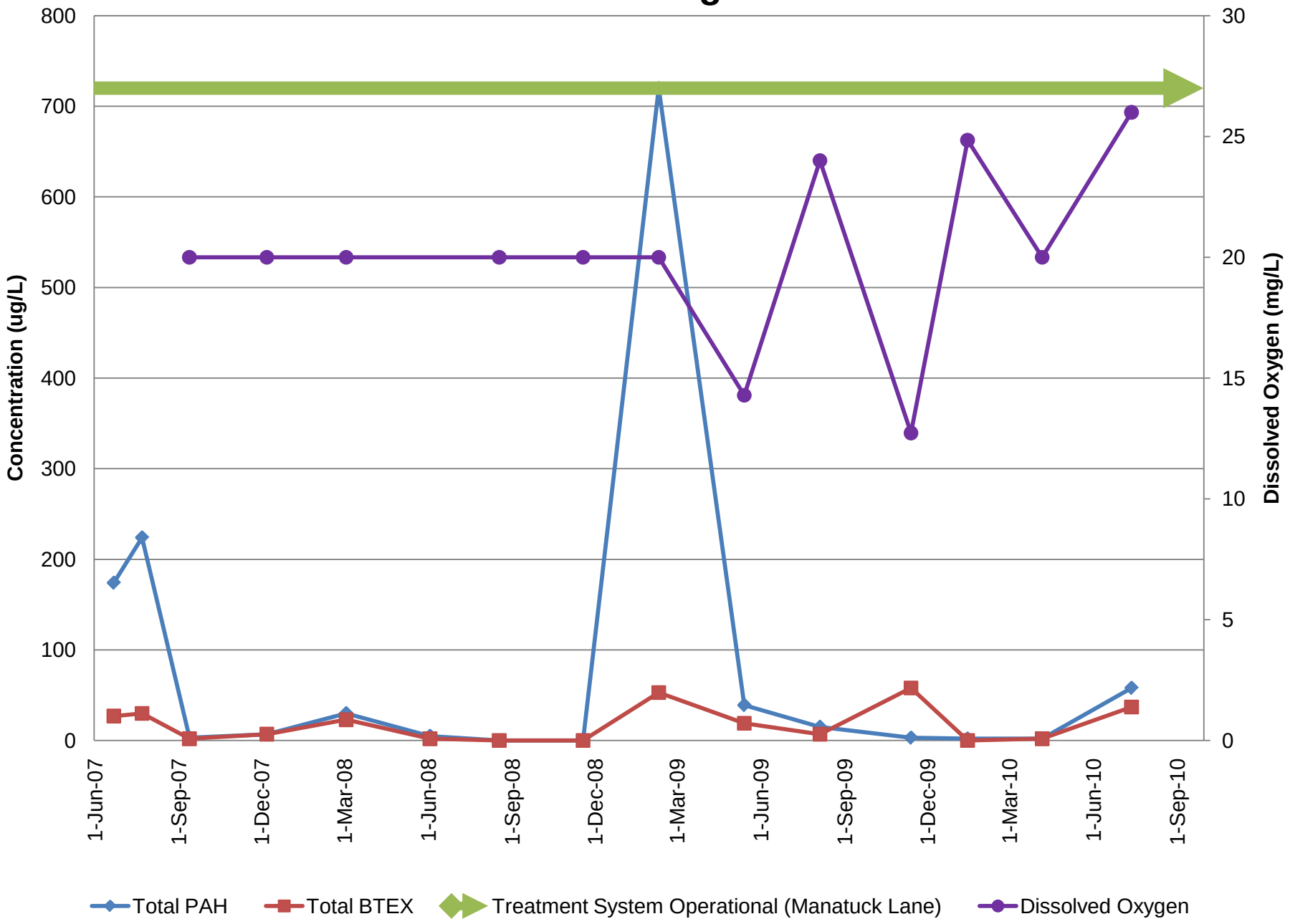
Monitoring Well OU2MW-12S
3-7 ft bgs



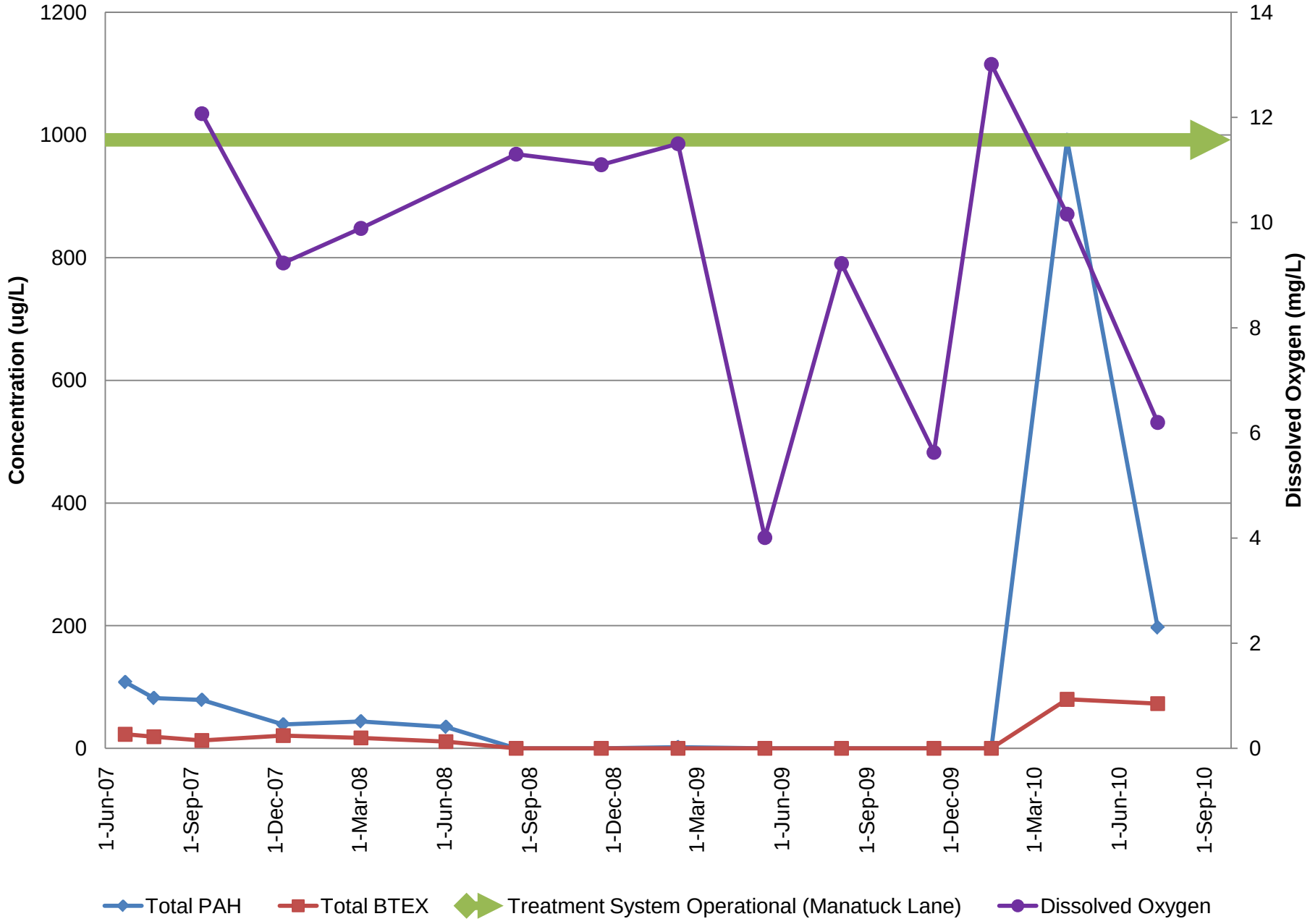
Monitoring Well OU2MW-12I
20-25 ft bgs



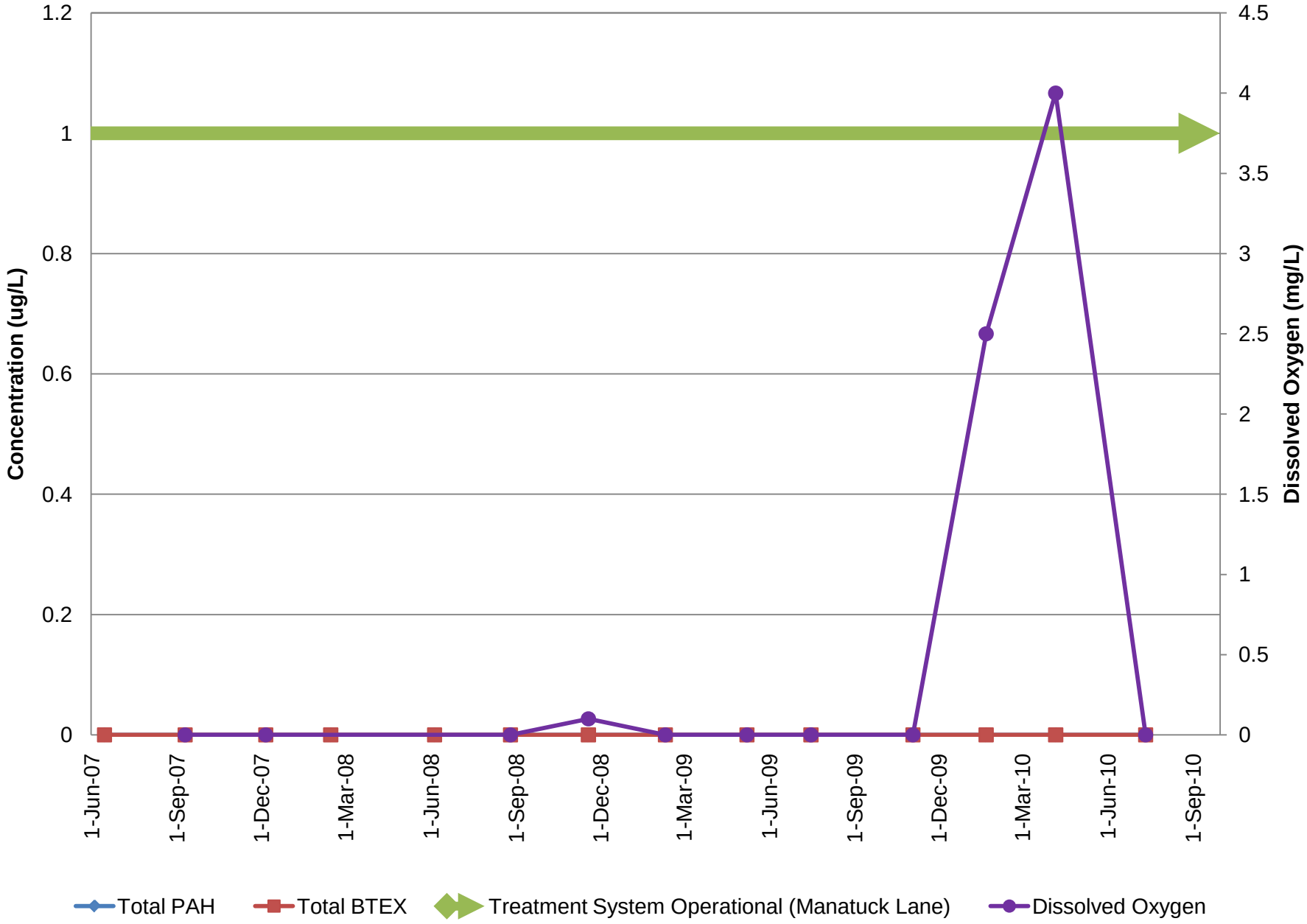
Monitoring Well OU2MW-12I2
30-35 ft bgs



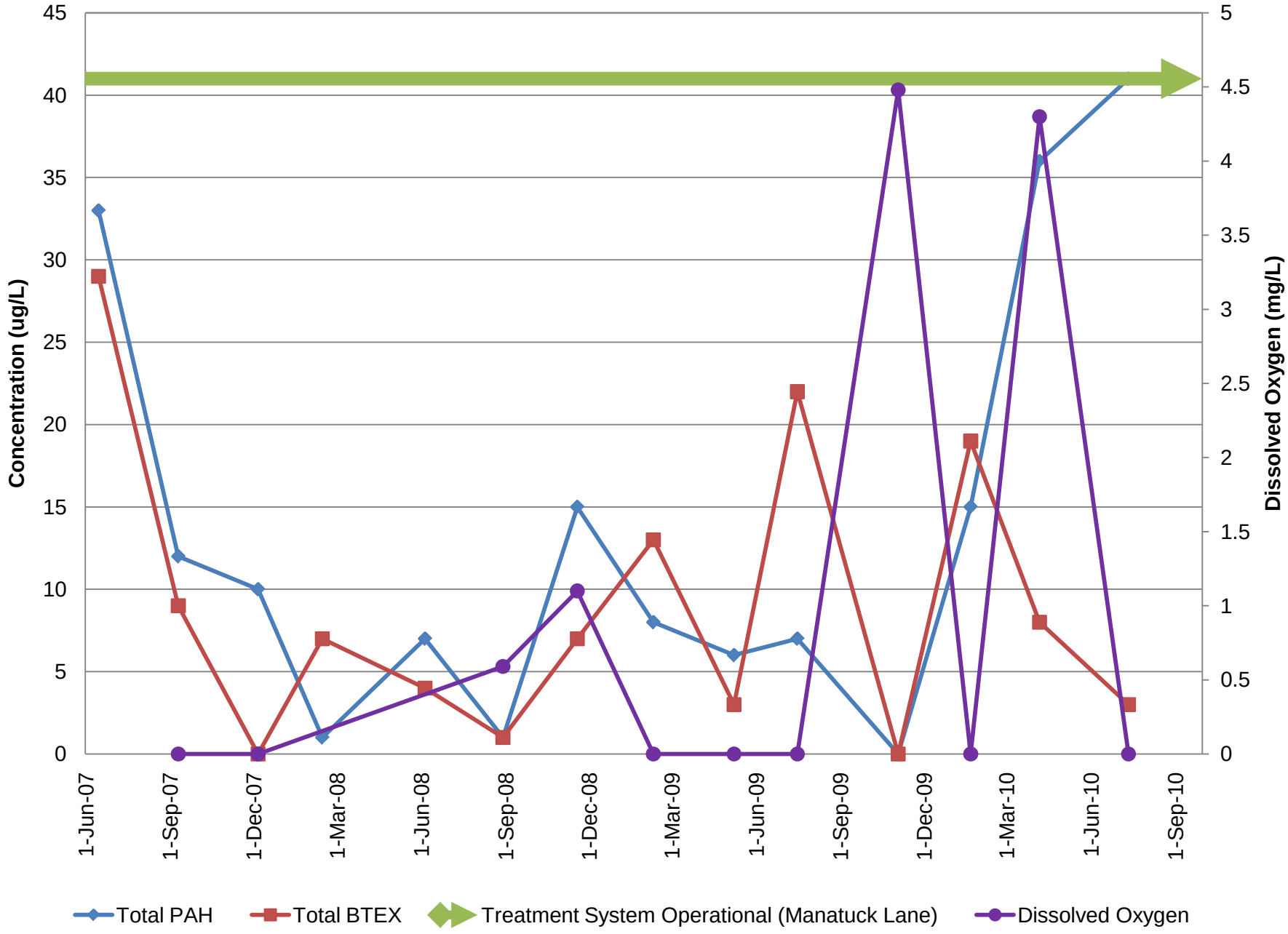
Monitoring Well OU2MW-12D
40-45 ft bgs



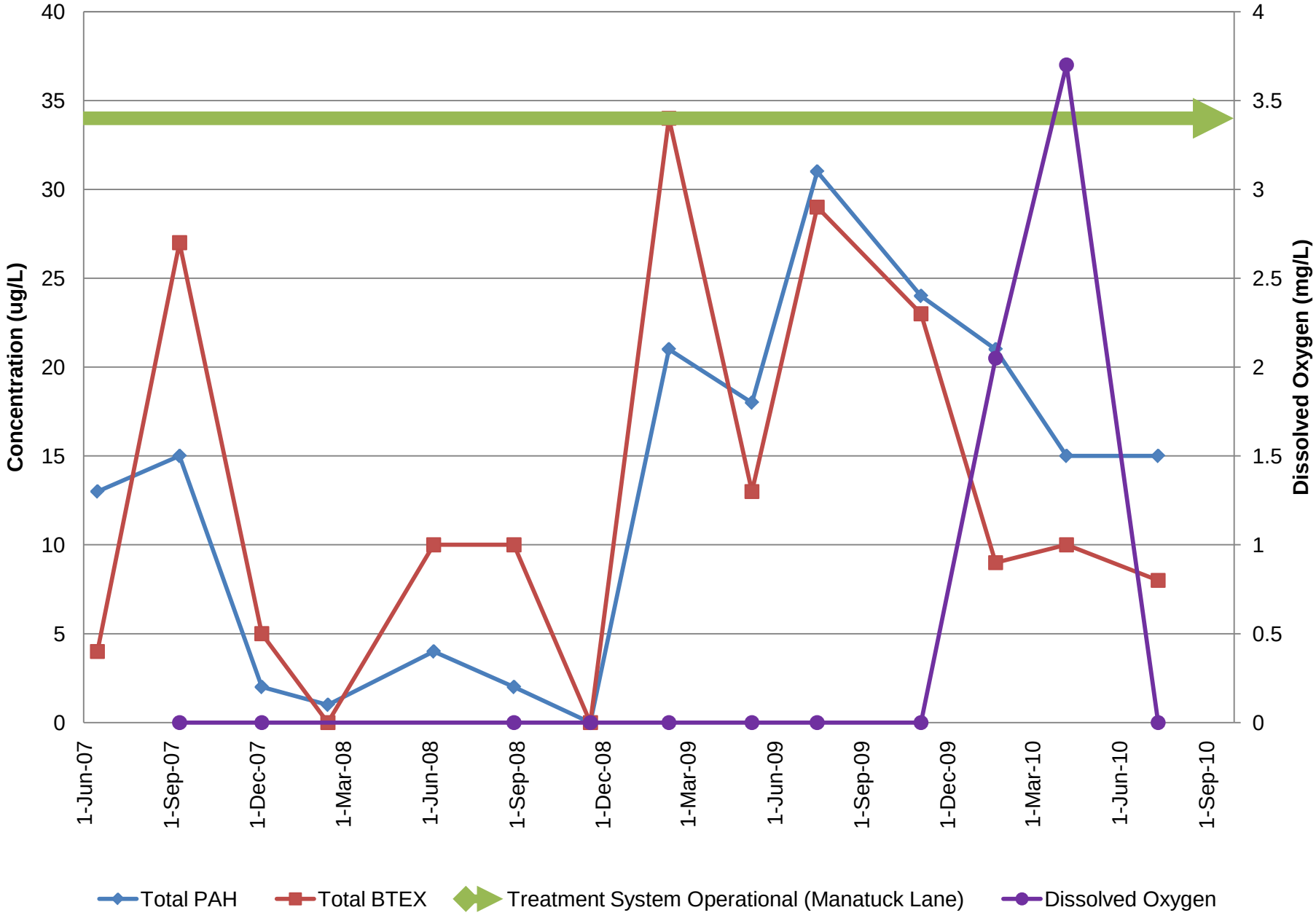
Monitoring Well OU2MW-13S
3-8 ft bgs



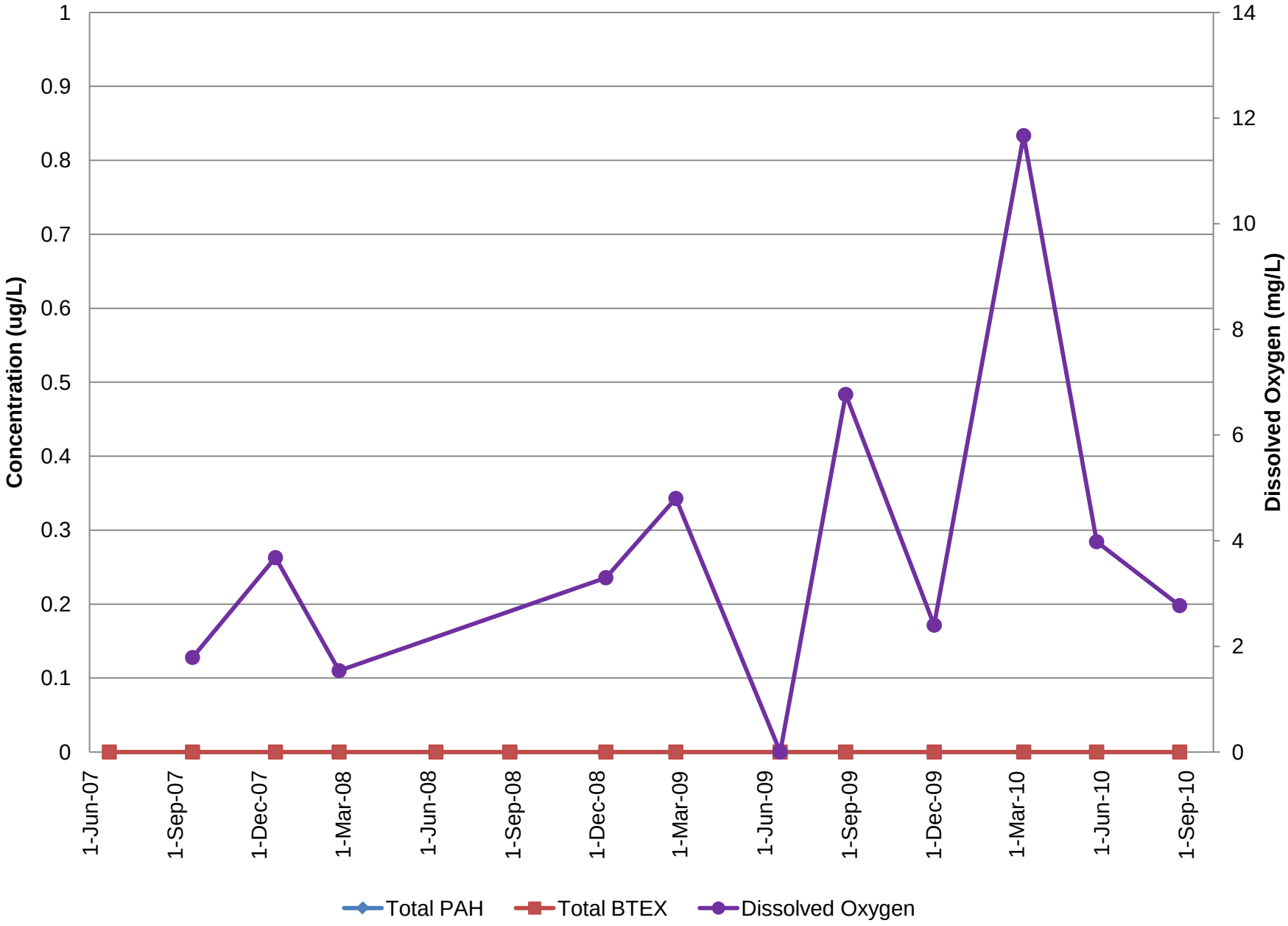
Monitoring Well OU2MW-13I
20-25ft bgs



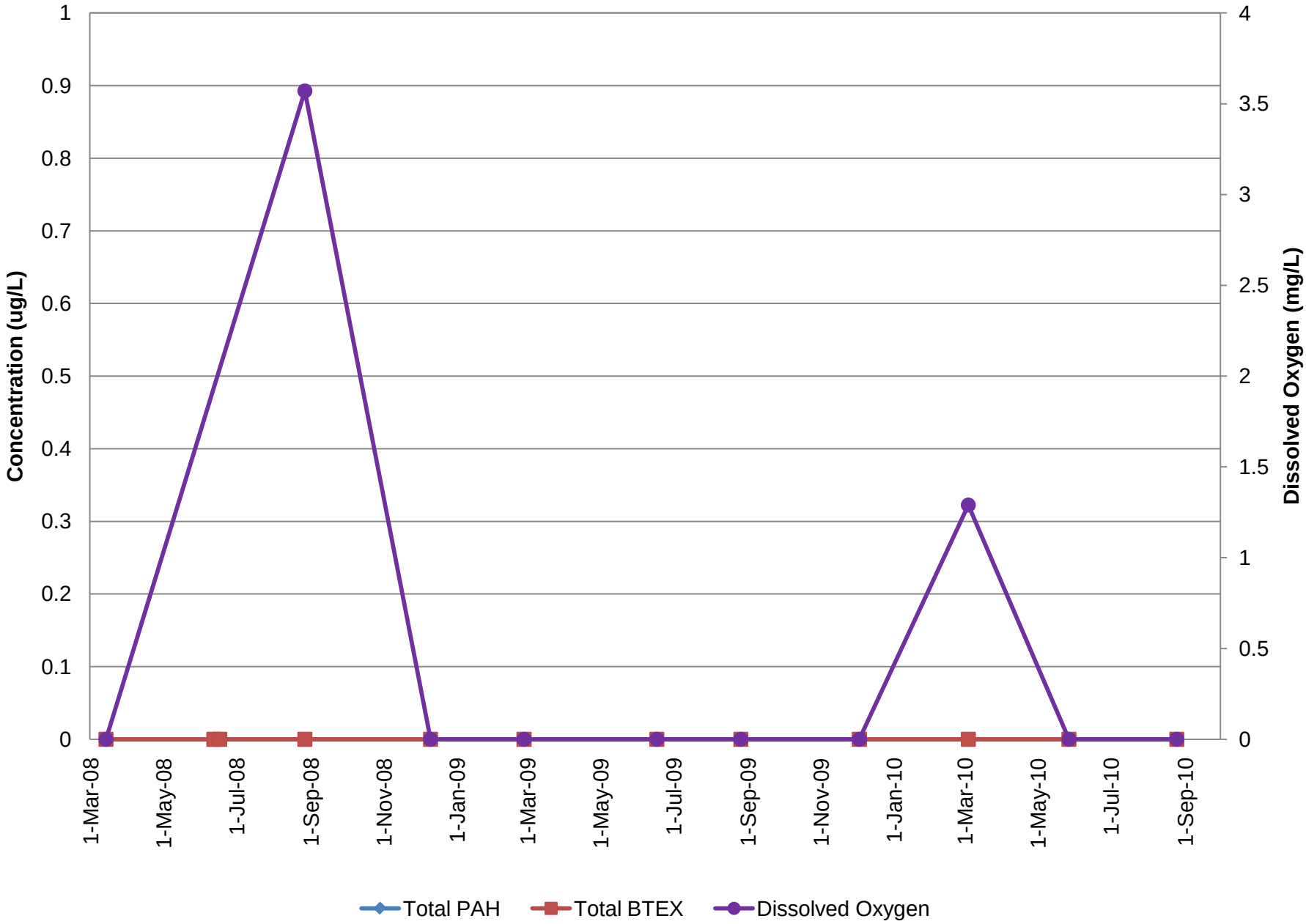
Monitoring Well OU2MW-13D
35-40 ft bgs



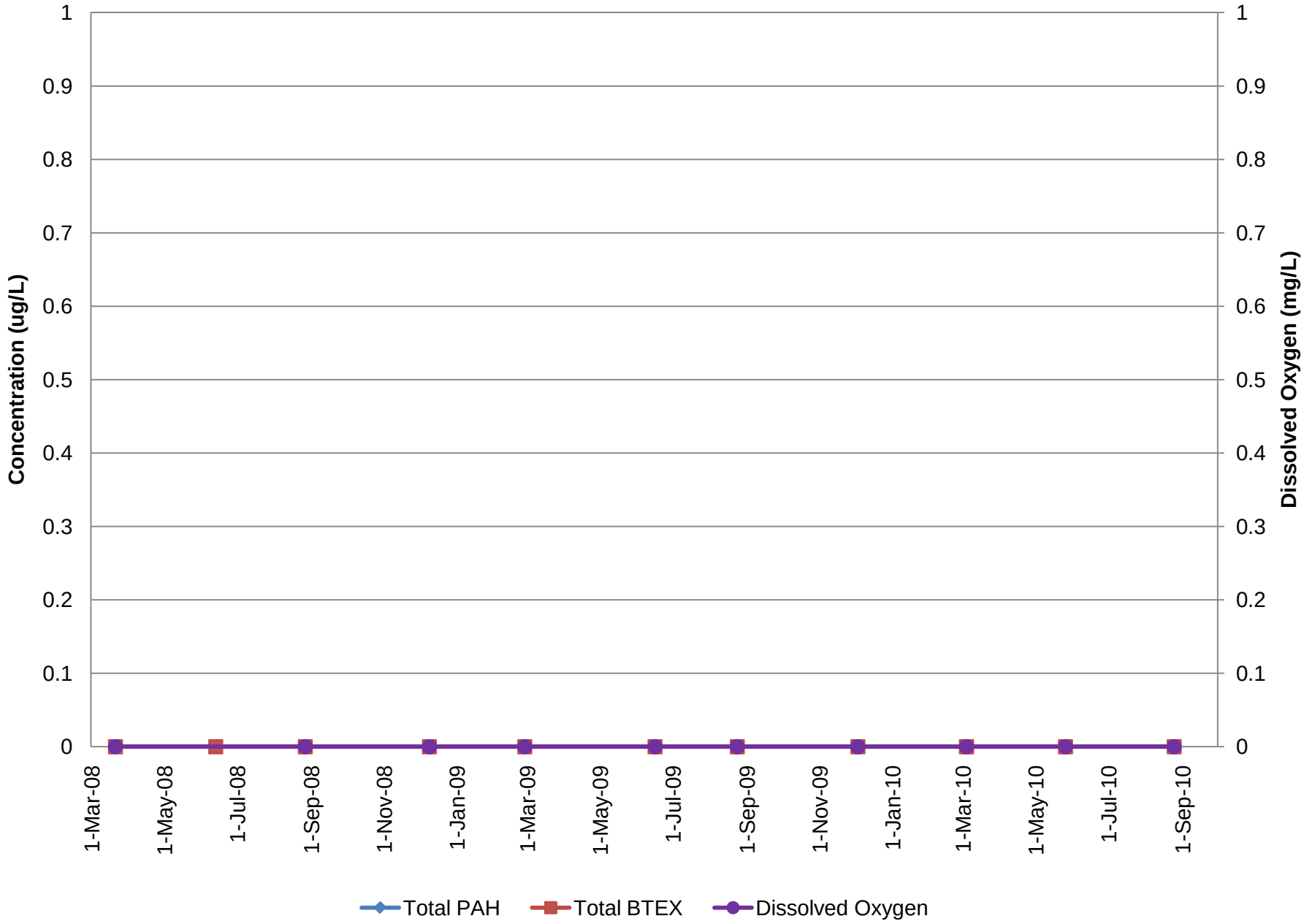
Monitoring Well OU2MW-14S
3-8 ft bgs



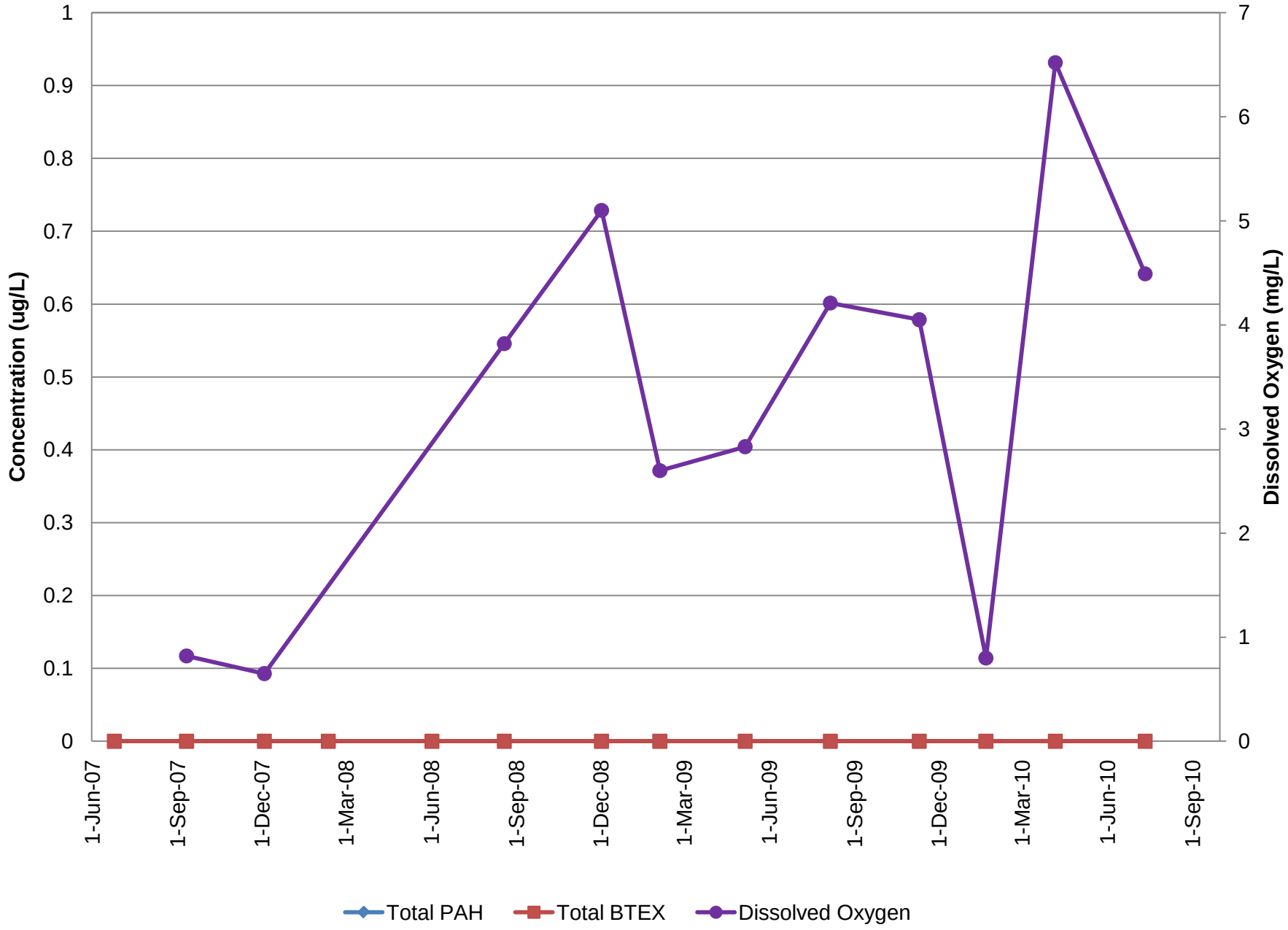
Monitoring Well OU2MW-14I
20-25 ft bgs



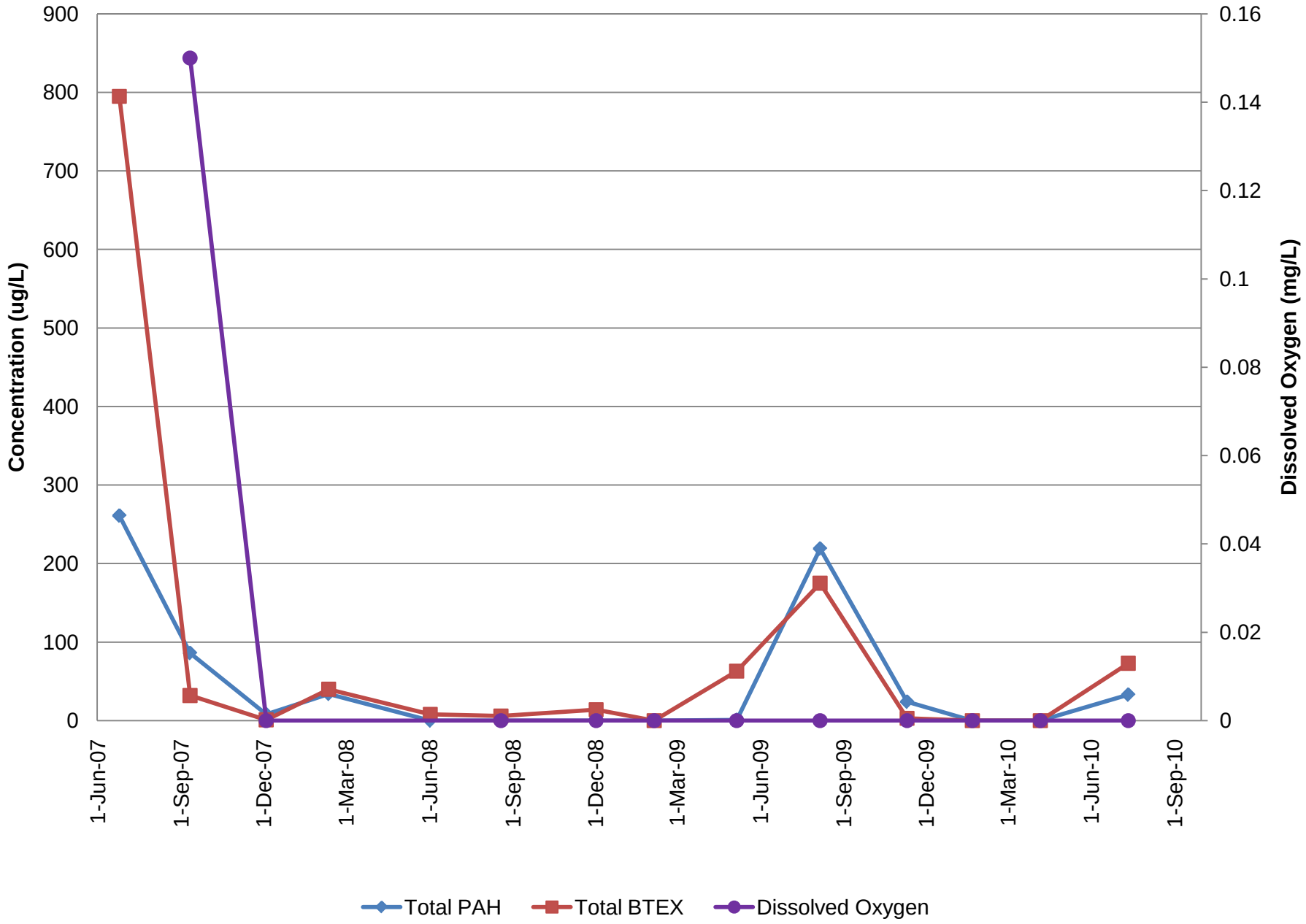
Monitoring Well OU2MW-14I2
45-50 ft bgs



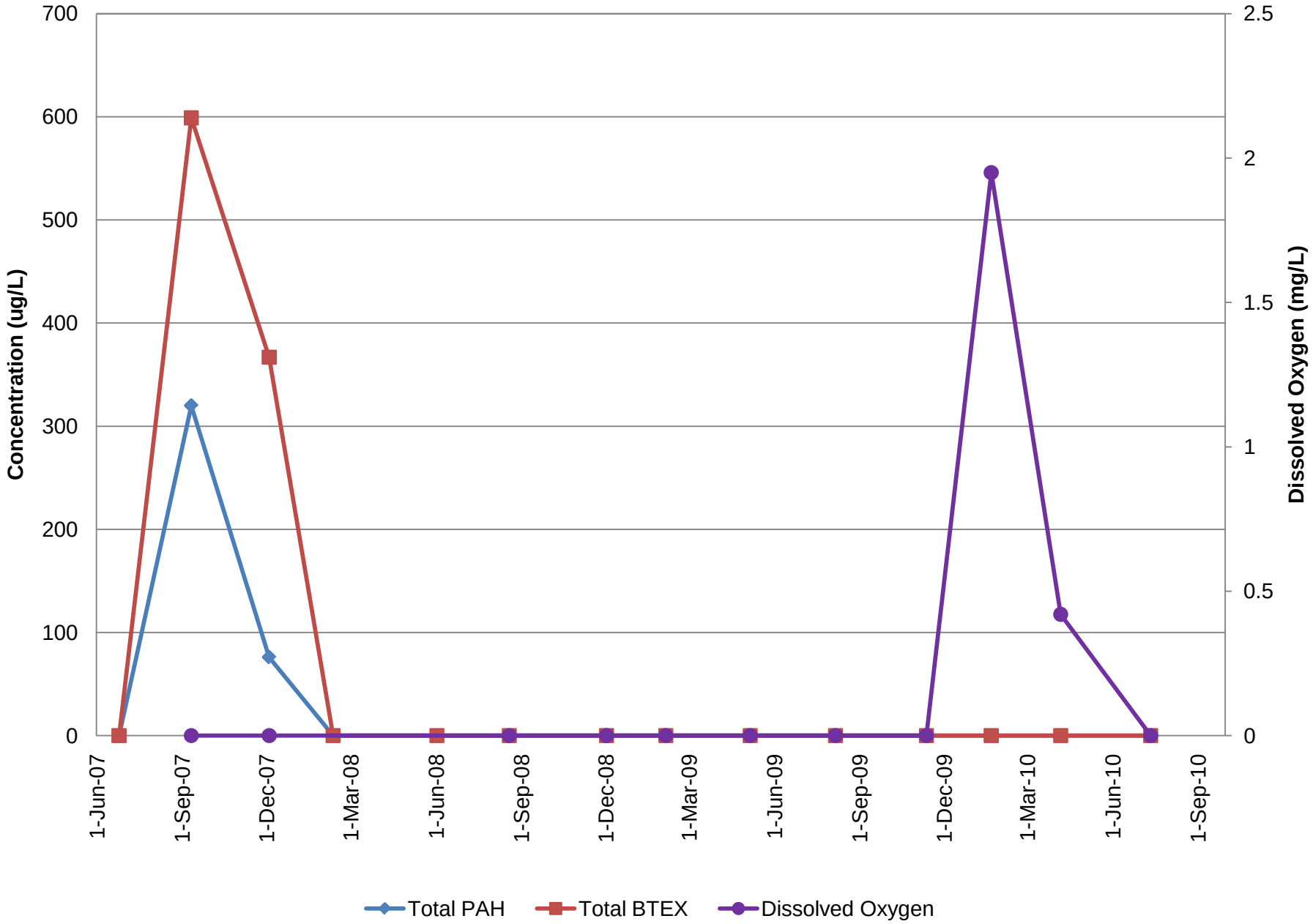
Monitoring Well OU2MW-15S
3-8 ft bgs



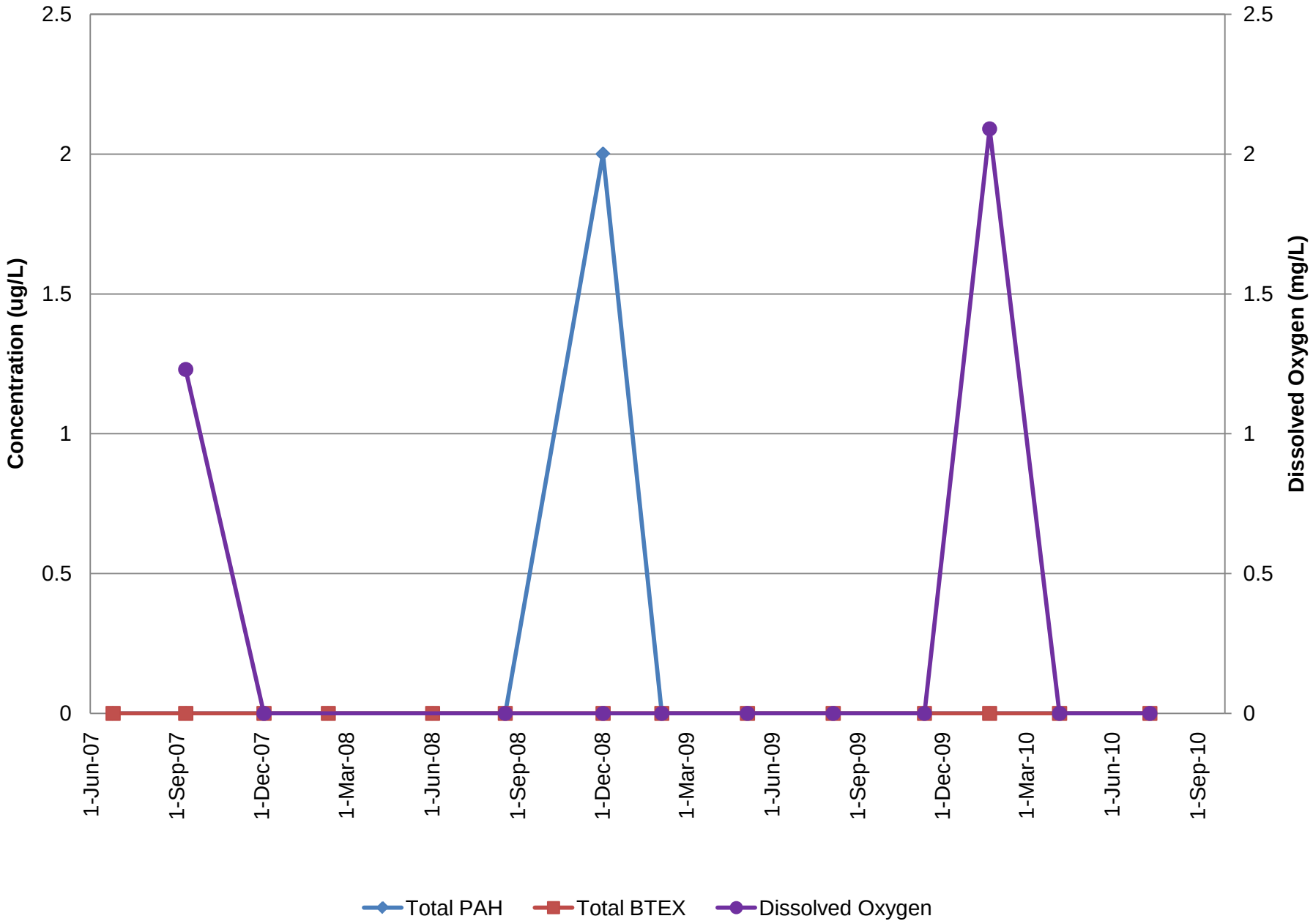
Monitoring Well OU2MW-15I
20-25 ft bgs



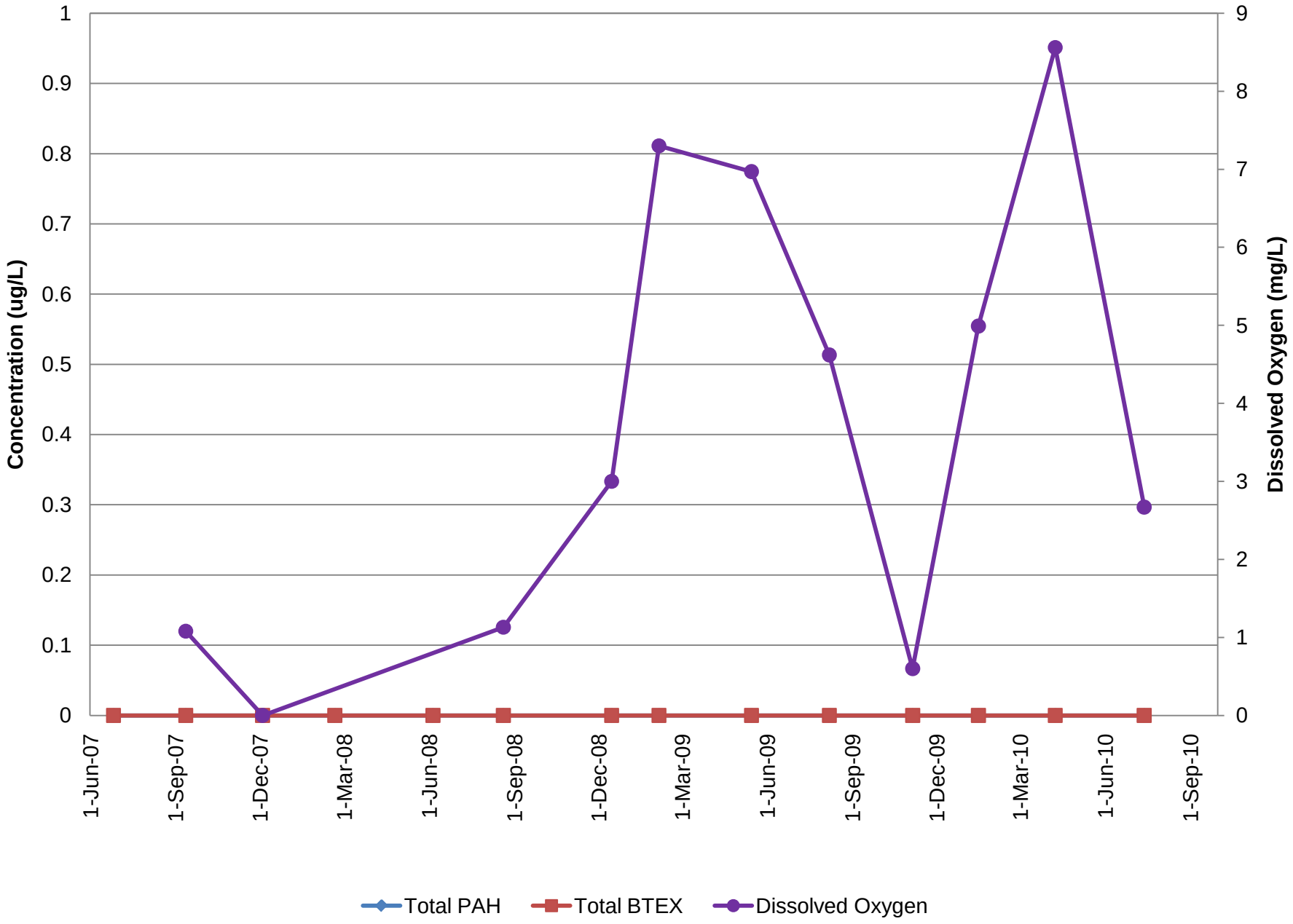
Monitoring Well OU2MW-15I2
30-35 ft bgs



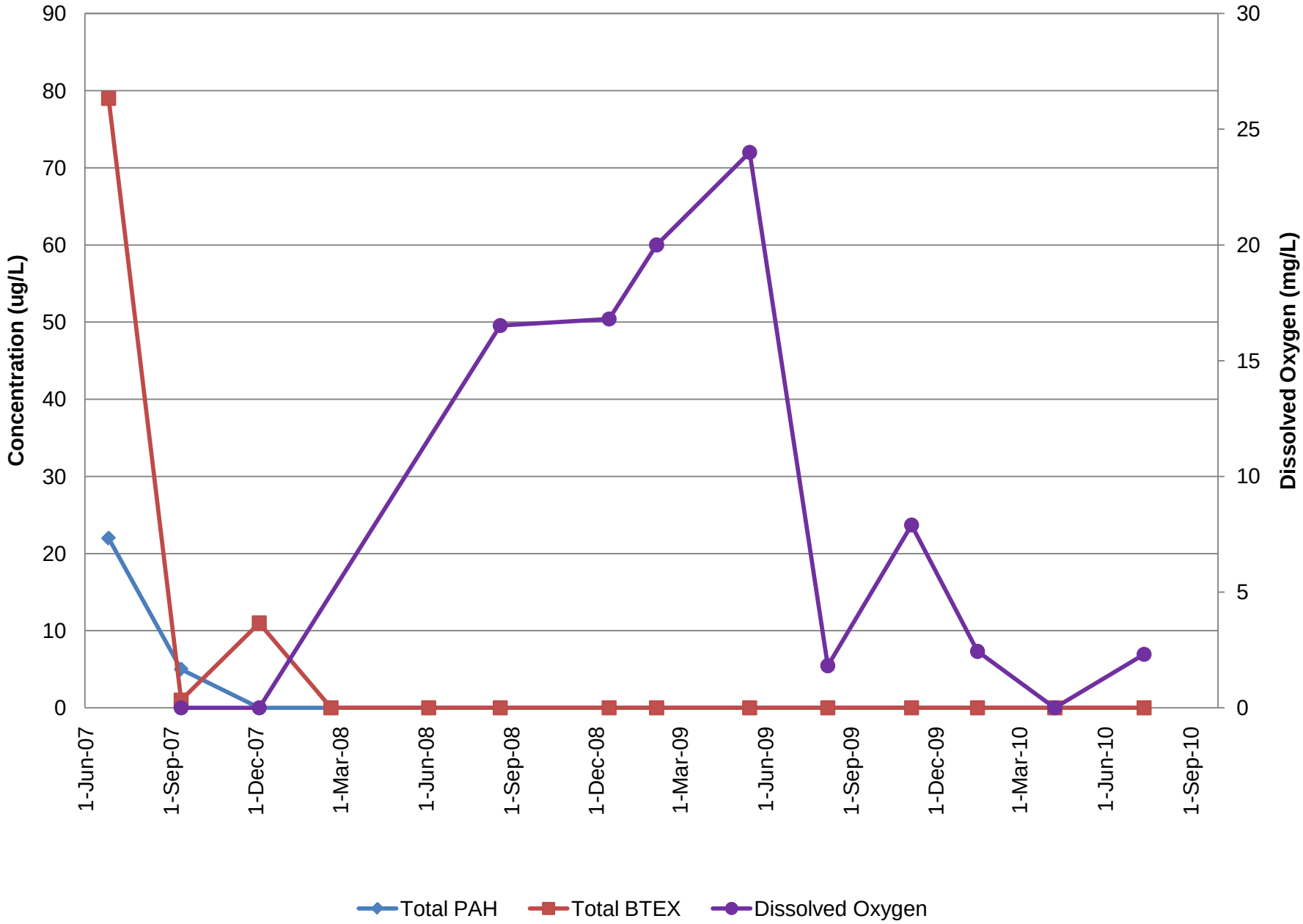
Monitoring Well OU2MW-15D
40-45 ft bgs



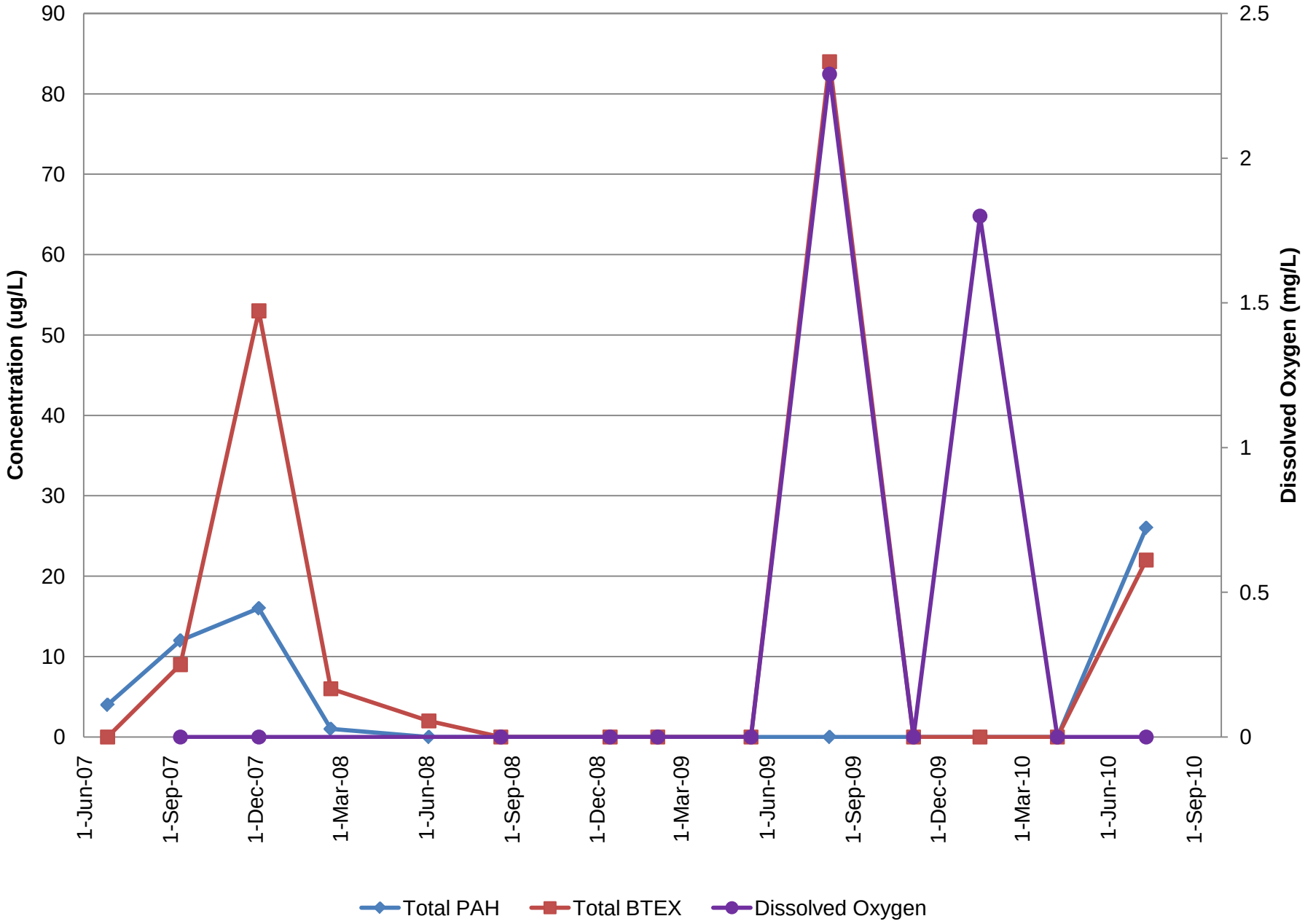
Monitoring Well OU2MW-16S
3-8 ft bgs



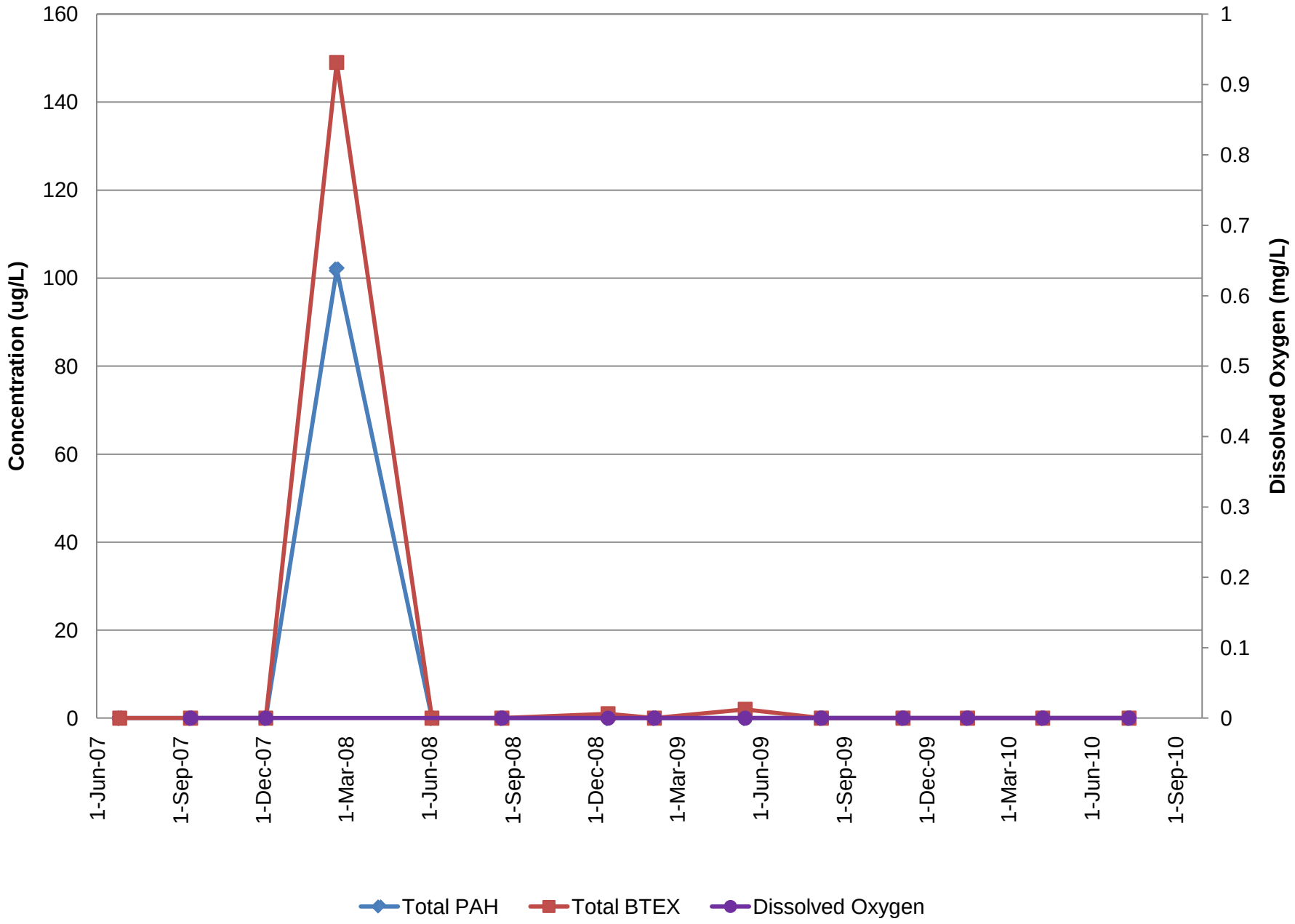
Monitoring Well OU2MW-16I
15-20 ft bgs



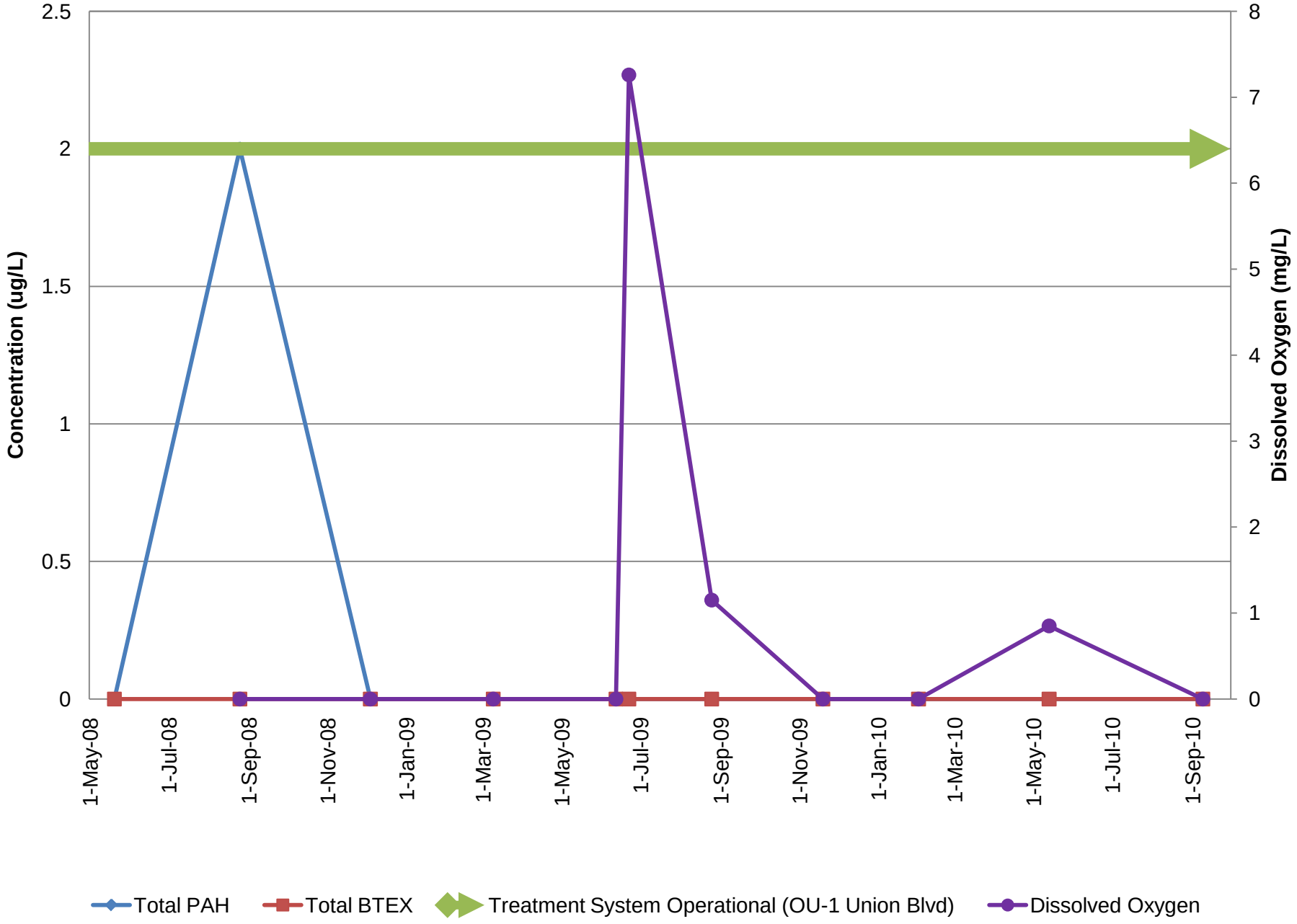
Monitoring Well OU2MW-16I2
25-30 ft bgs



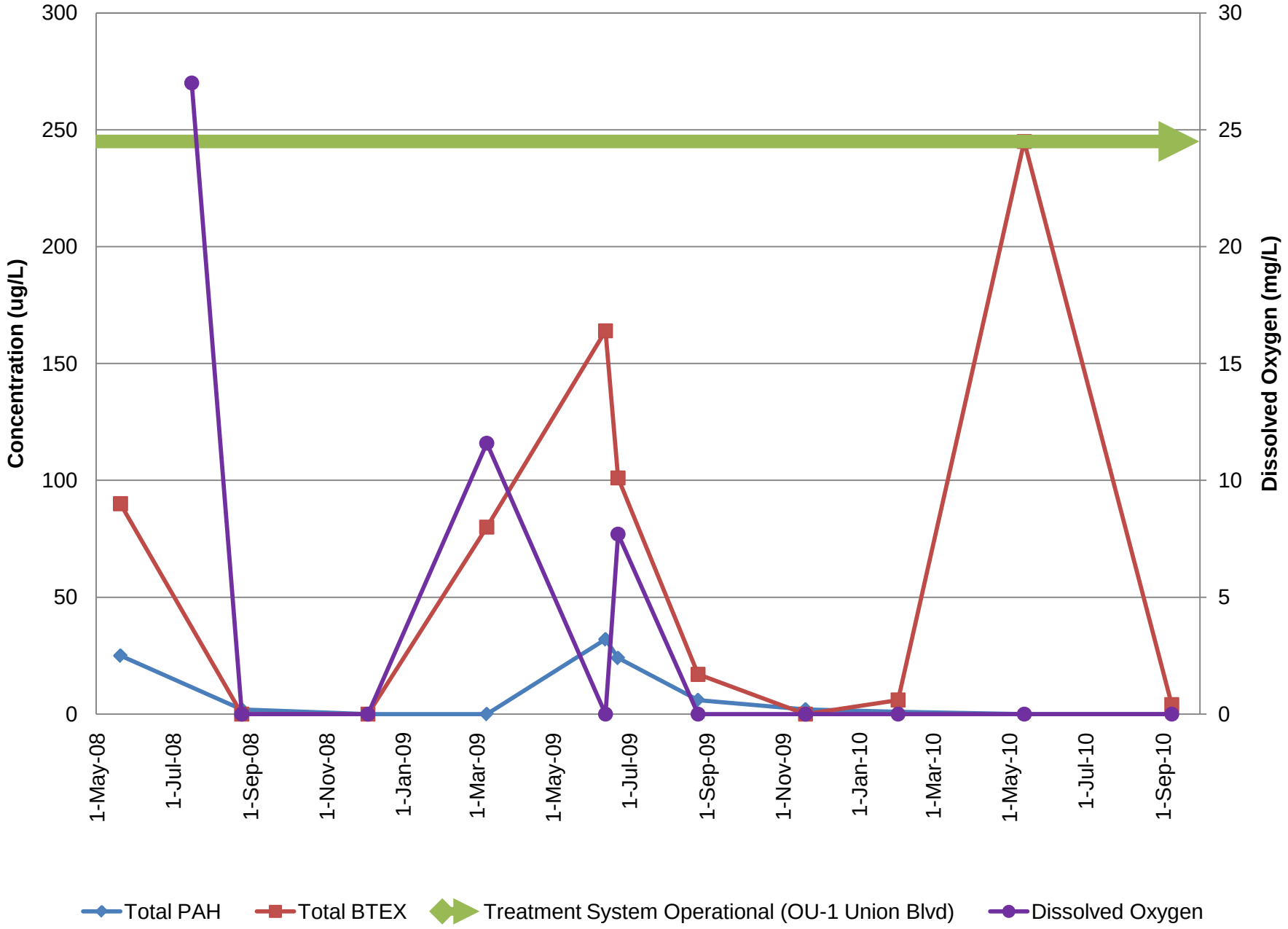
Monitoring Well OU2MW-16D
35-40 ft bgs



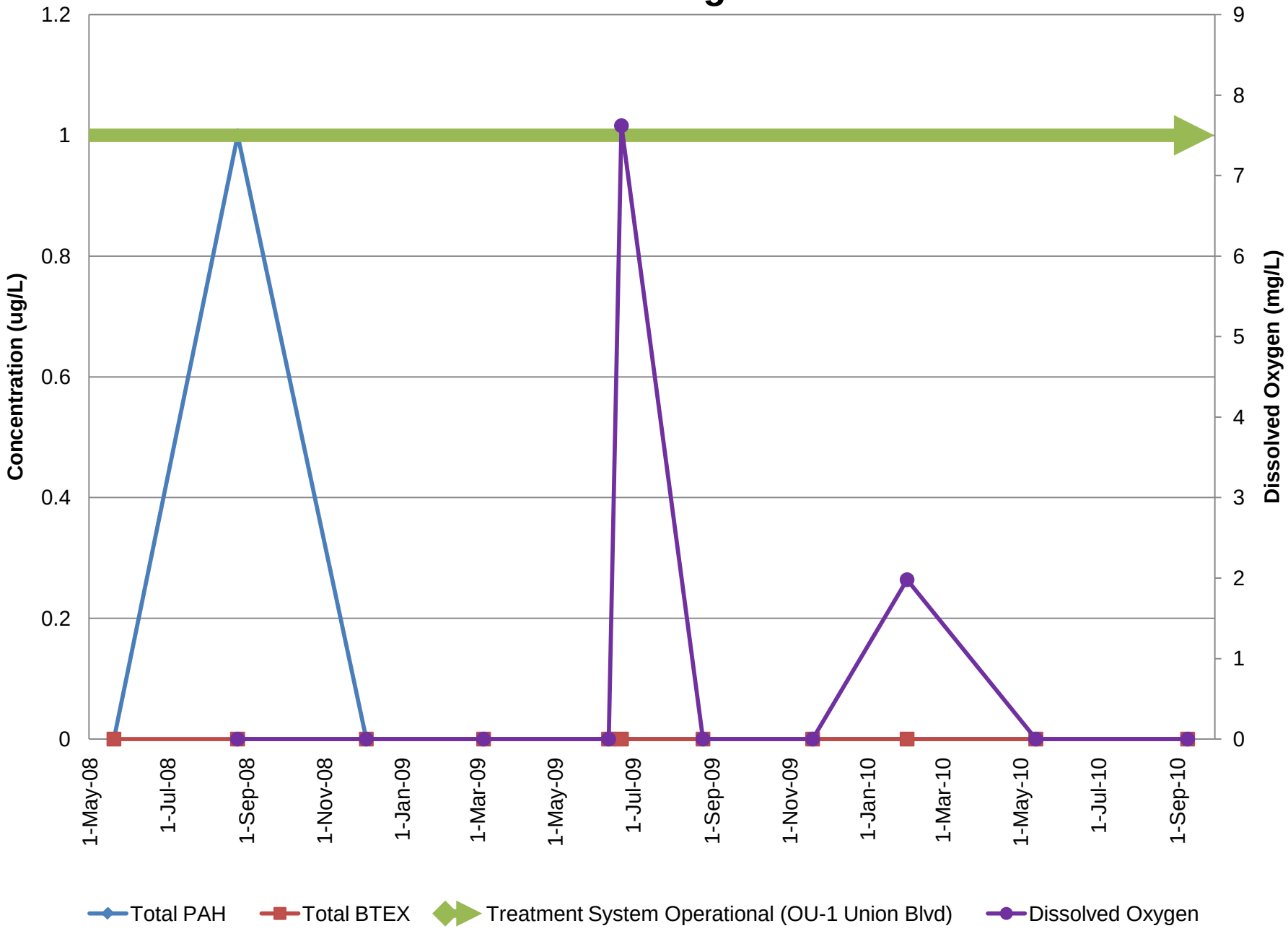
Monitoring Well OU2MW-17S
5-10 ft bgs



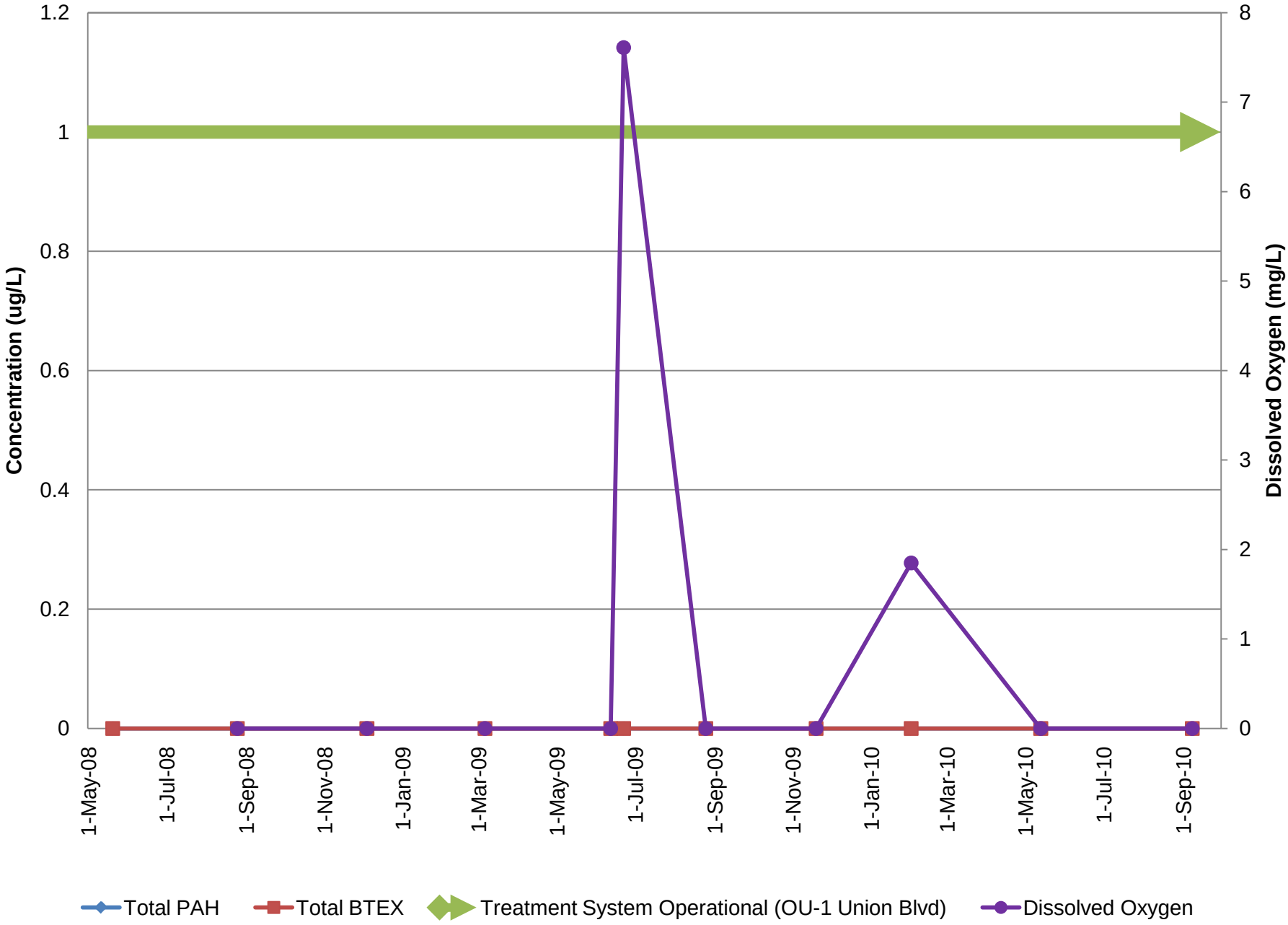
Monitoring Well OU2MW-17I
13-23 ft bgs



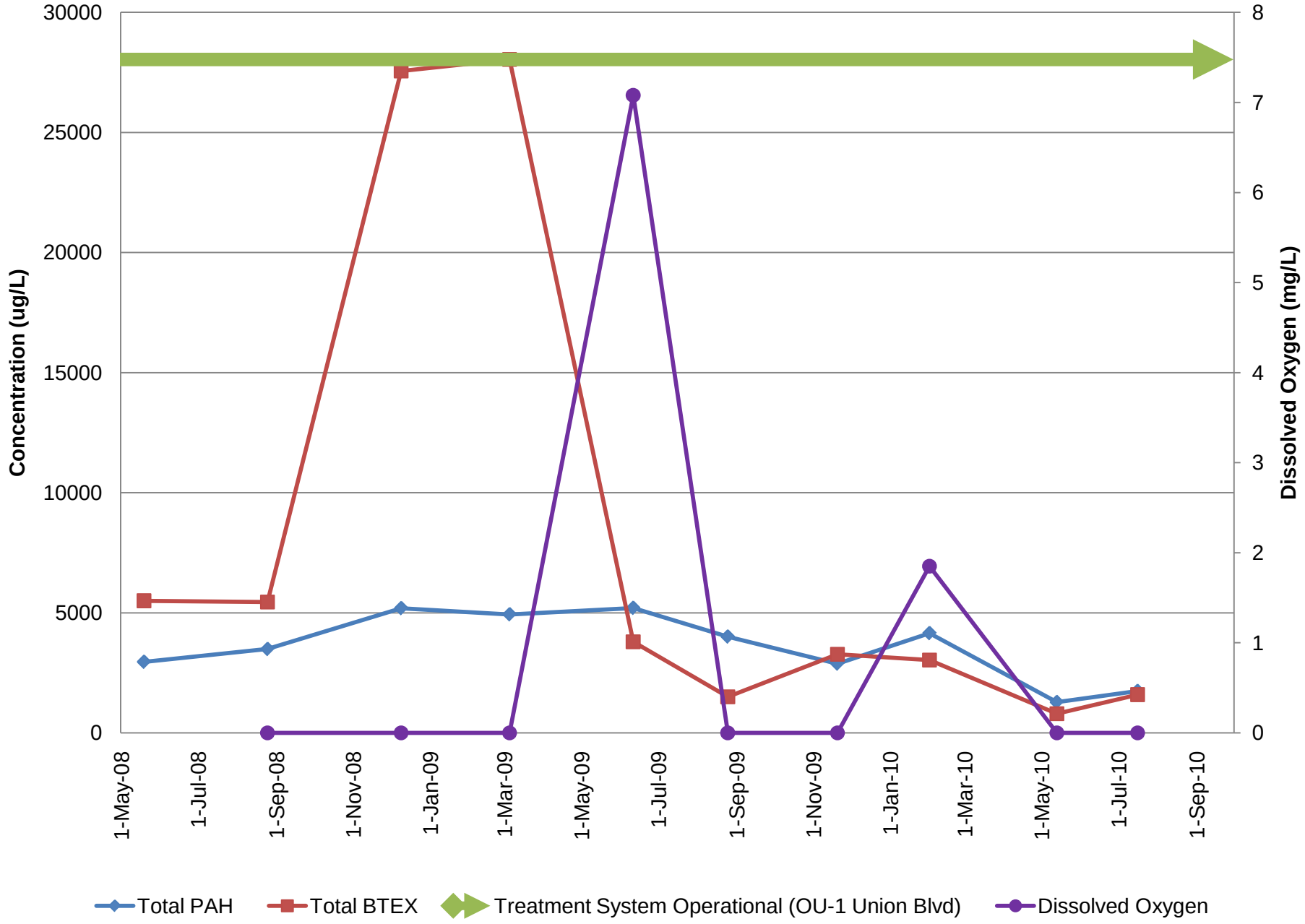
Monitoring Well OU2MW-17I2
35-40 ft bgs



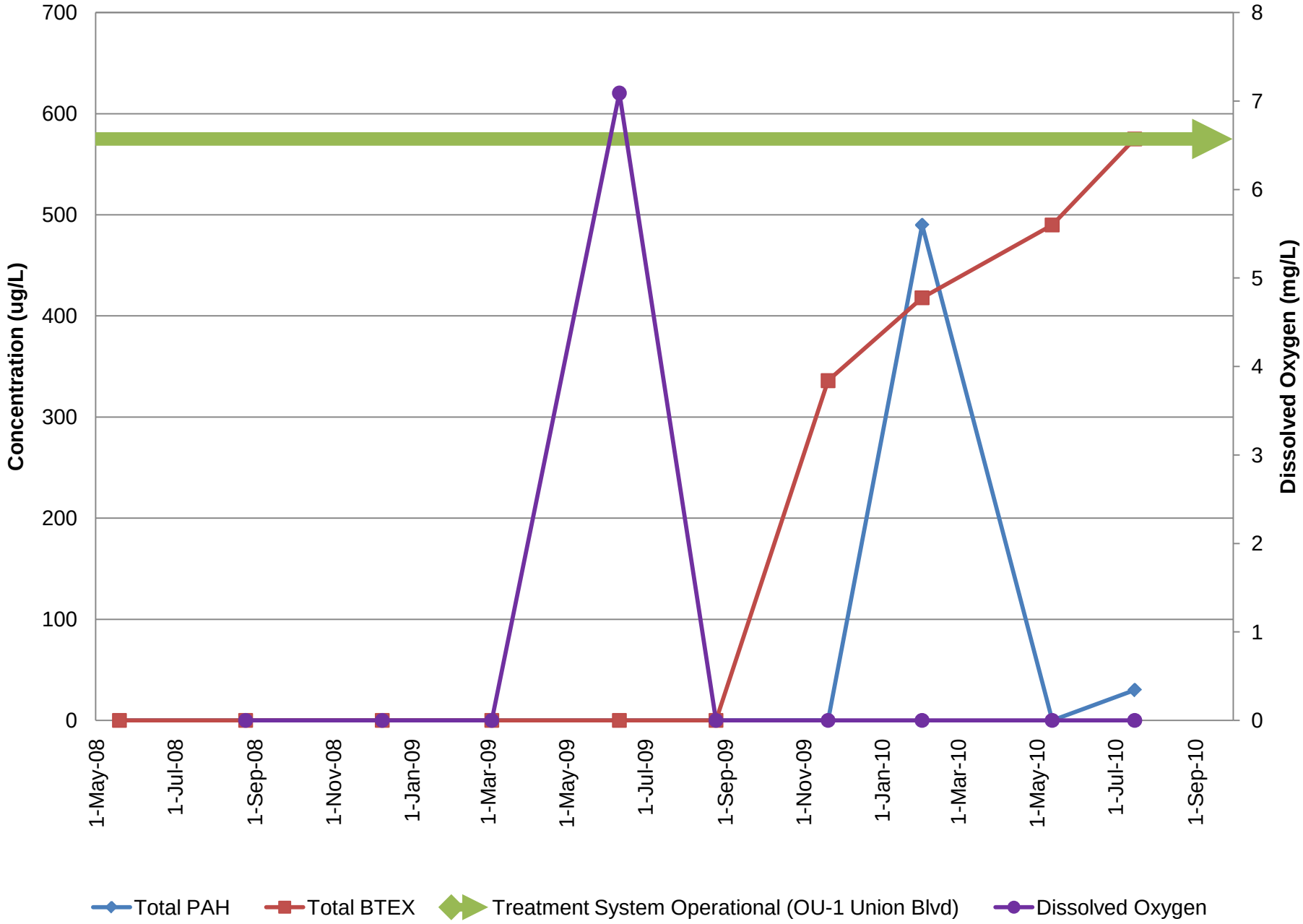
Monitoring Well OU2MW-17D
60-70 ft bgs



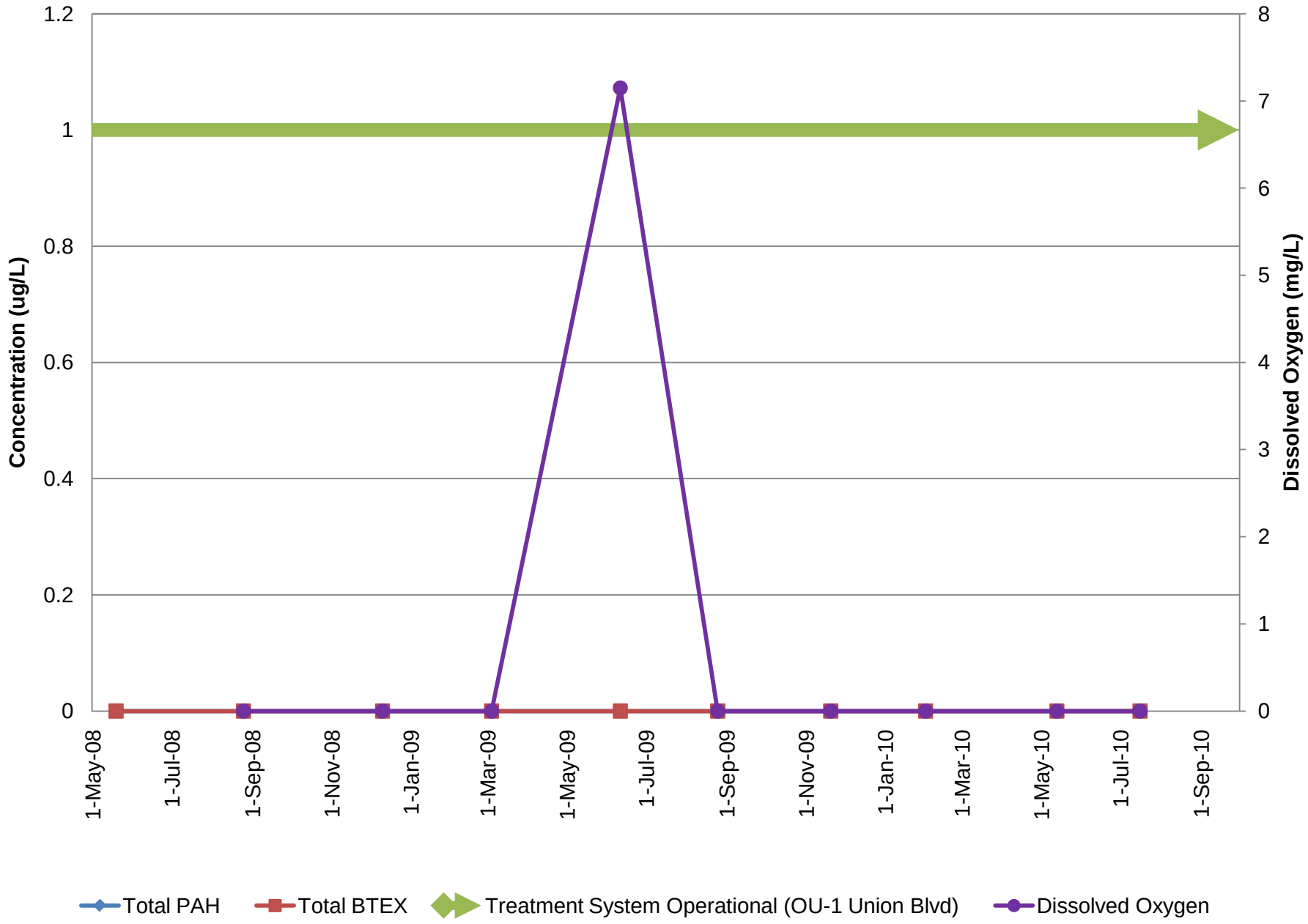
Monitoring Well OU2MW-18I
13-23 ft bgs



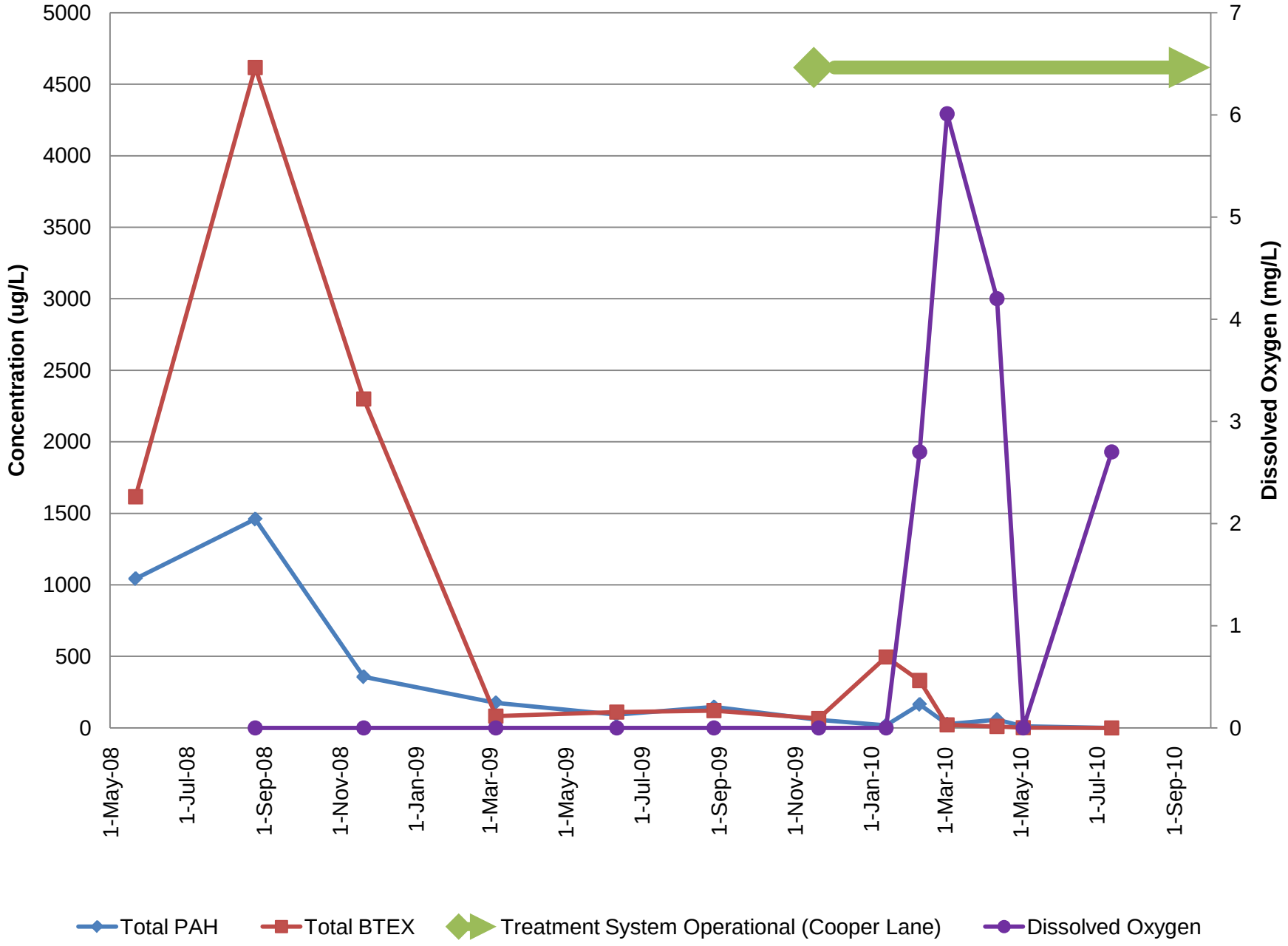
Monitoring Well OU2MW-18I2
35-45 ft bgs



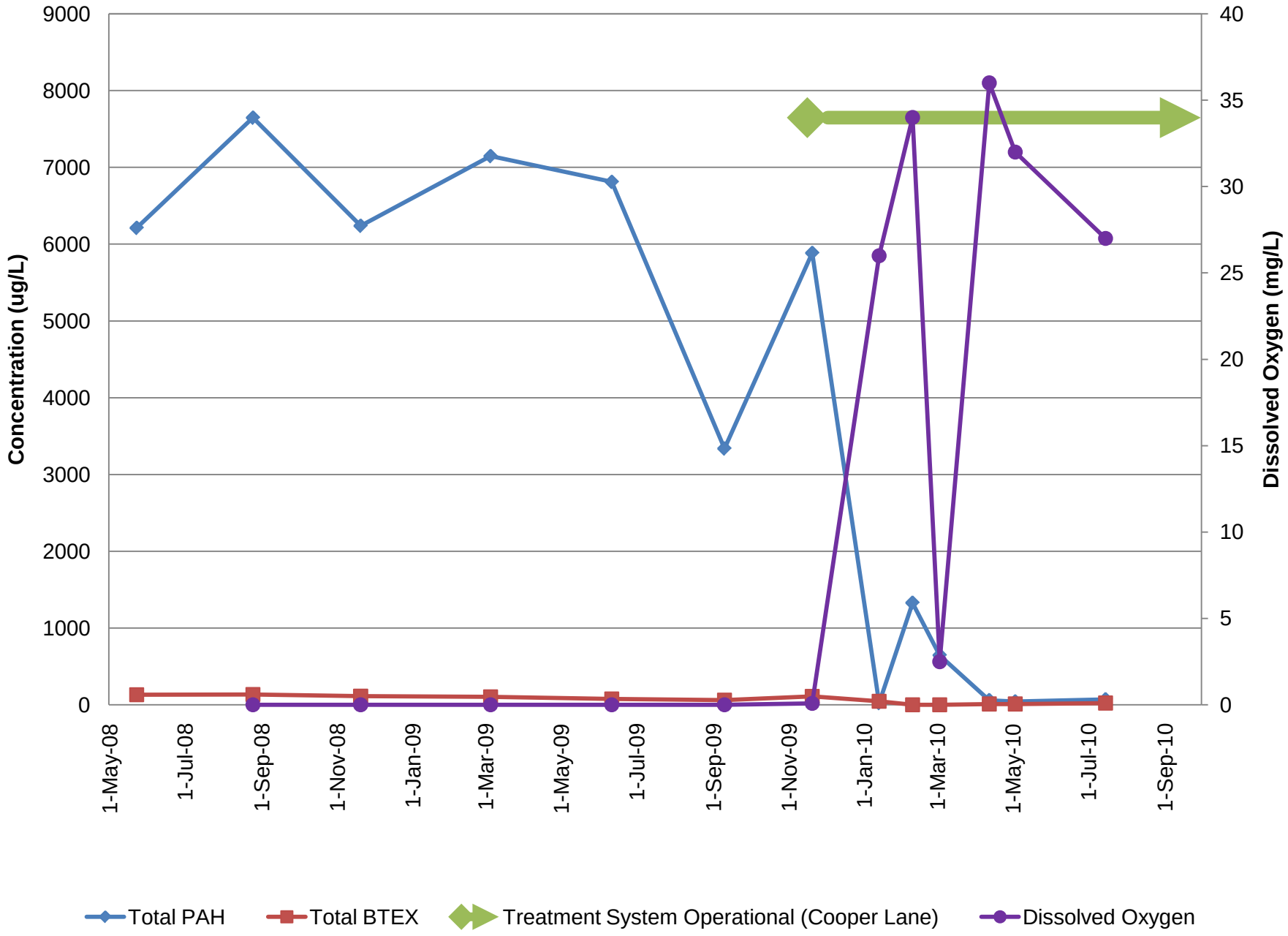
Monitoring Well OU2MW-18D
60-70 ft bgs



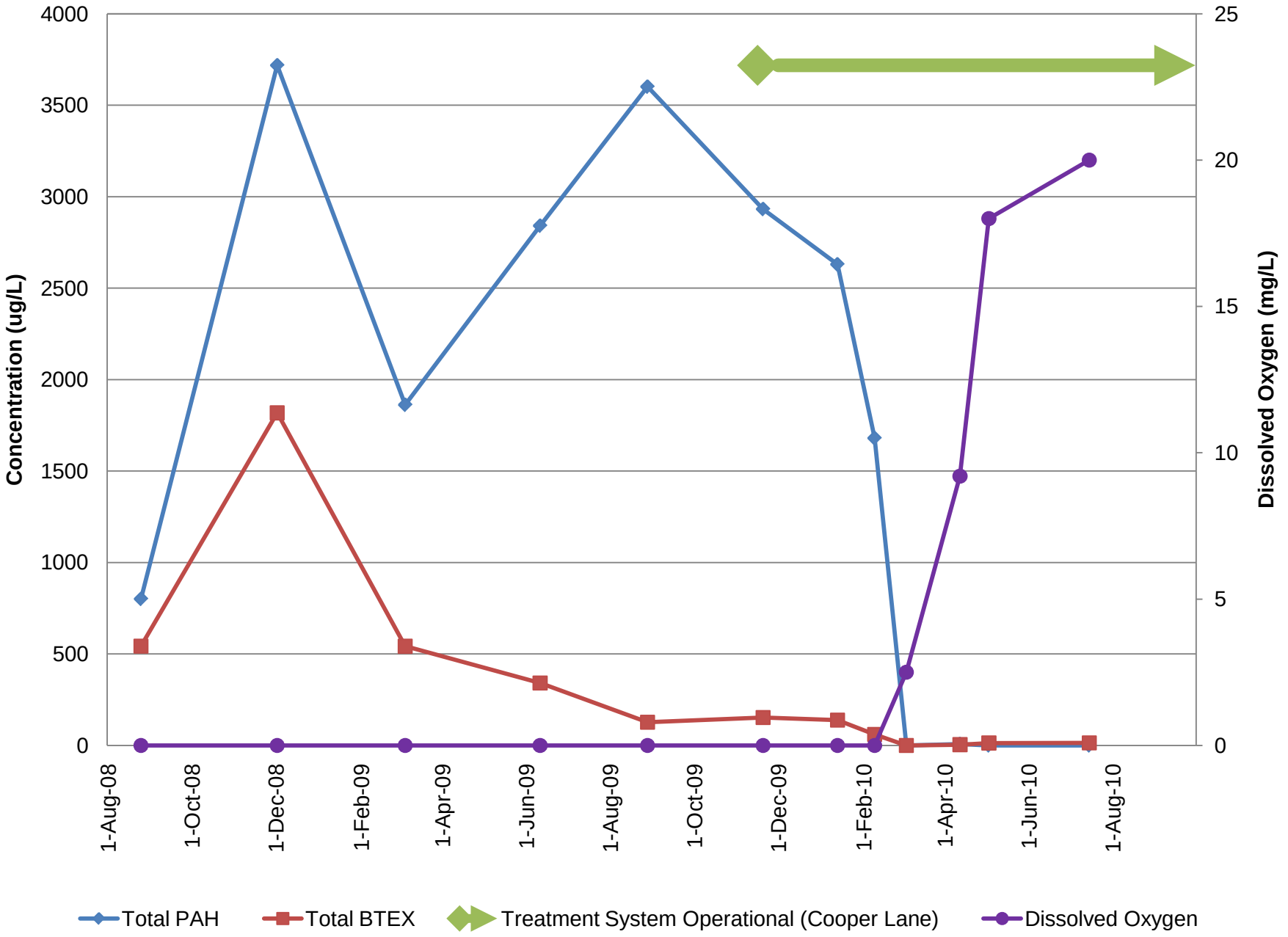
Monitoring Well OU2MW-19I
13-23 ft bgs



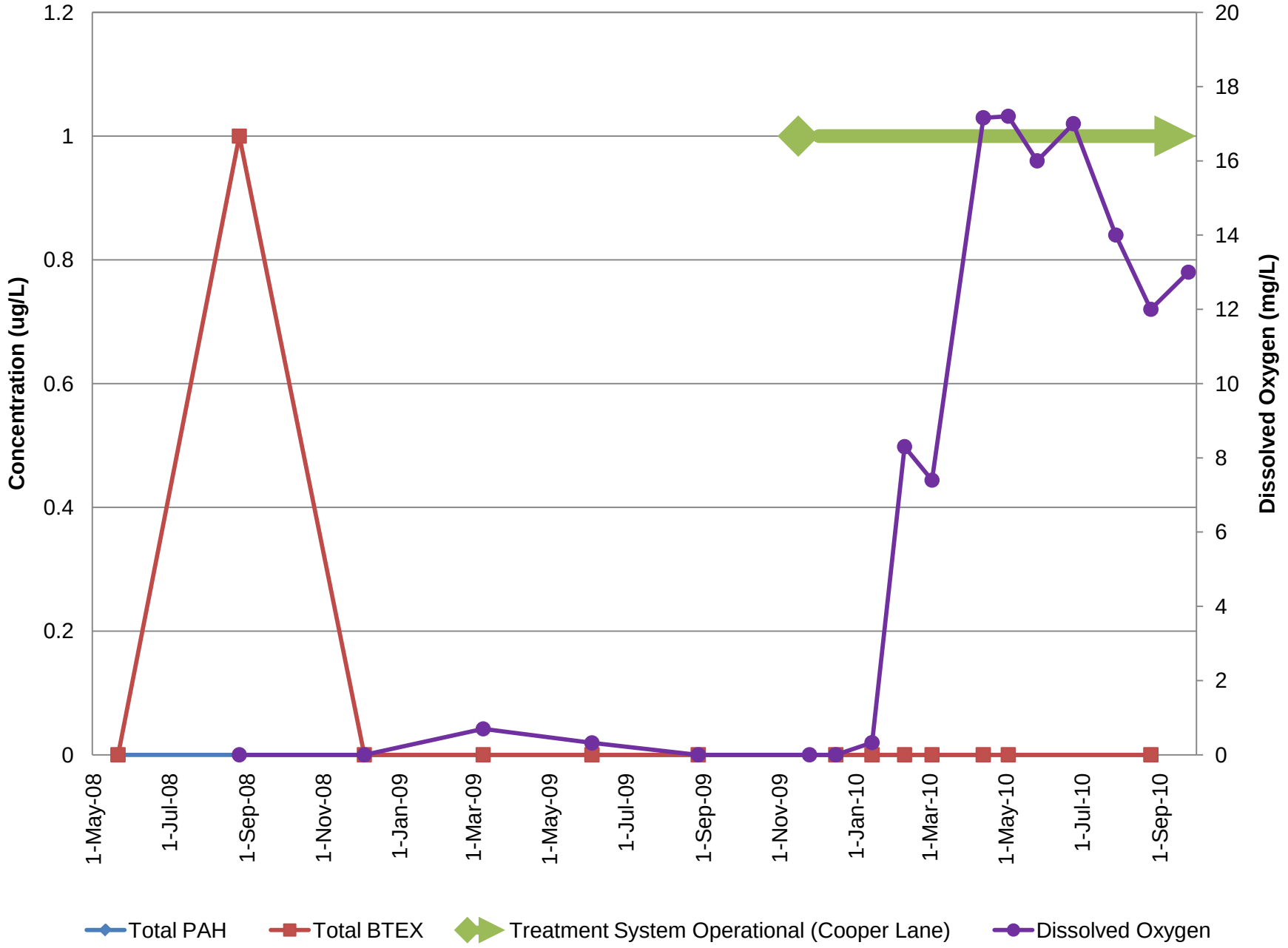
Monitoring Well OU2MW-19I2
35-45 ft bgs



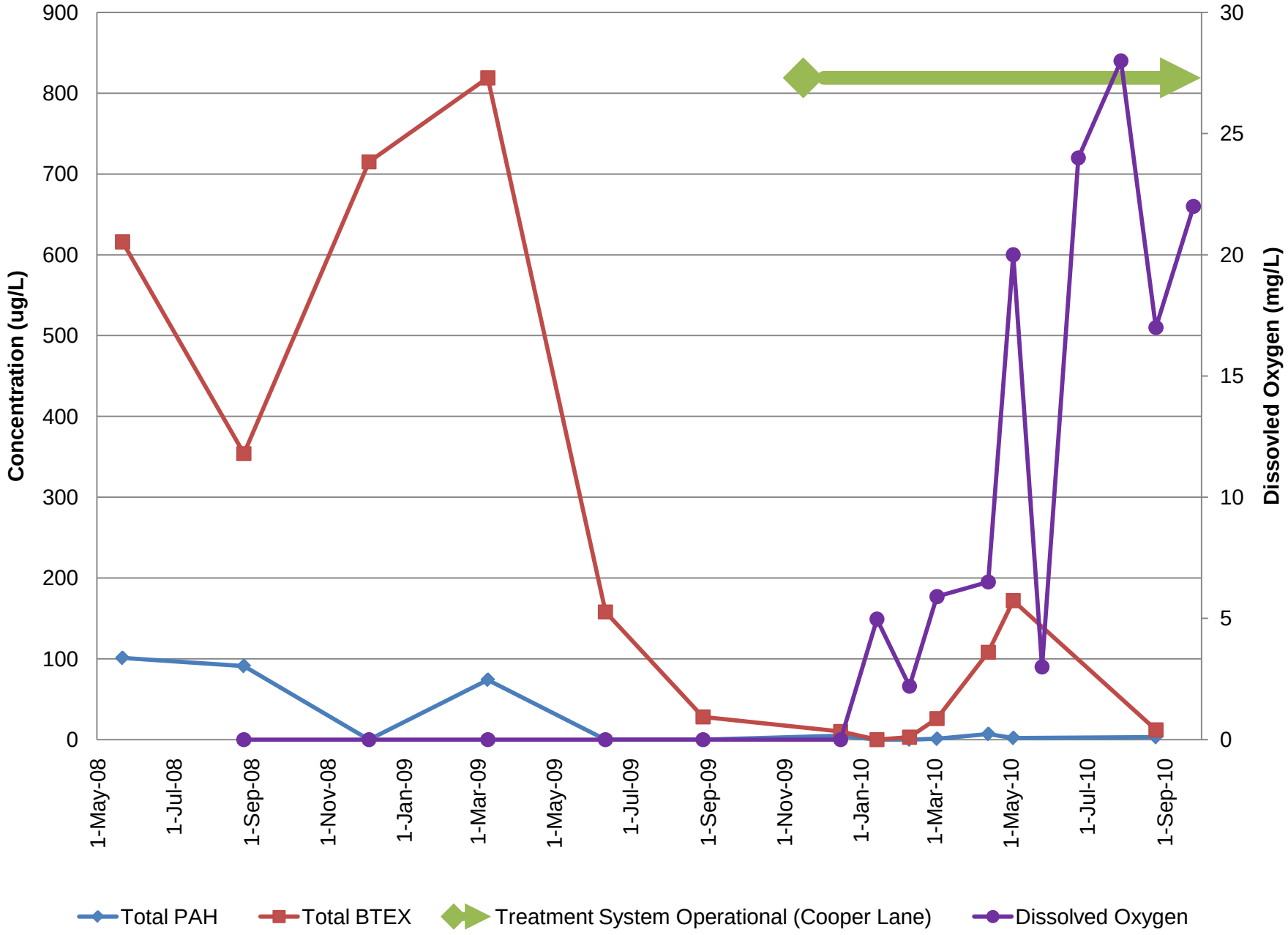
Monitoring Well OU2MW-19D
65-70 ft bgs



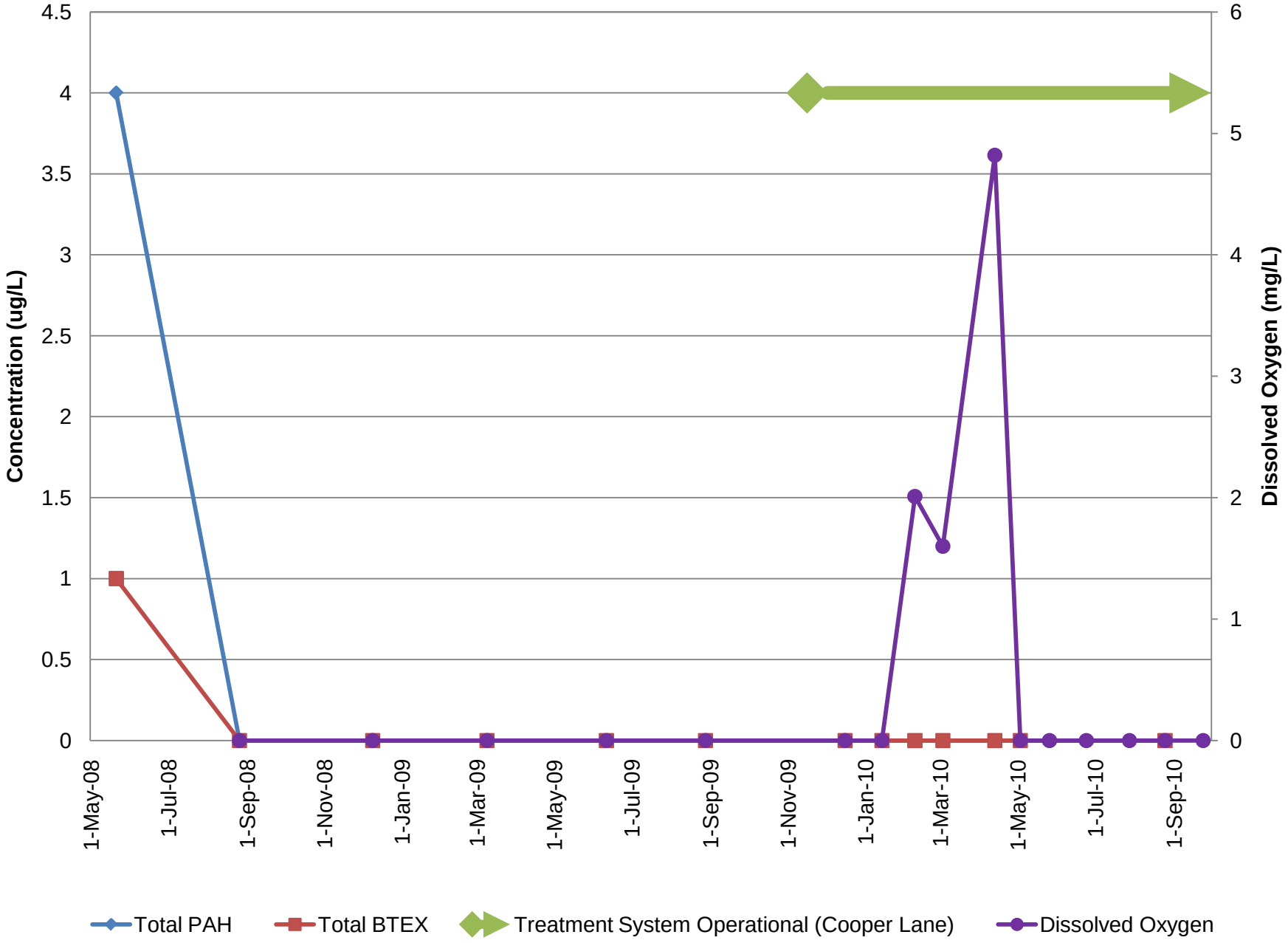
Monitoring Well OU2MW-20S
4-9 ft bgs



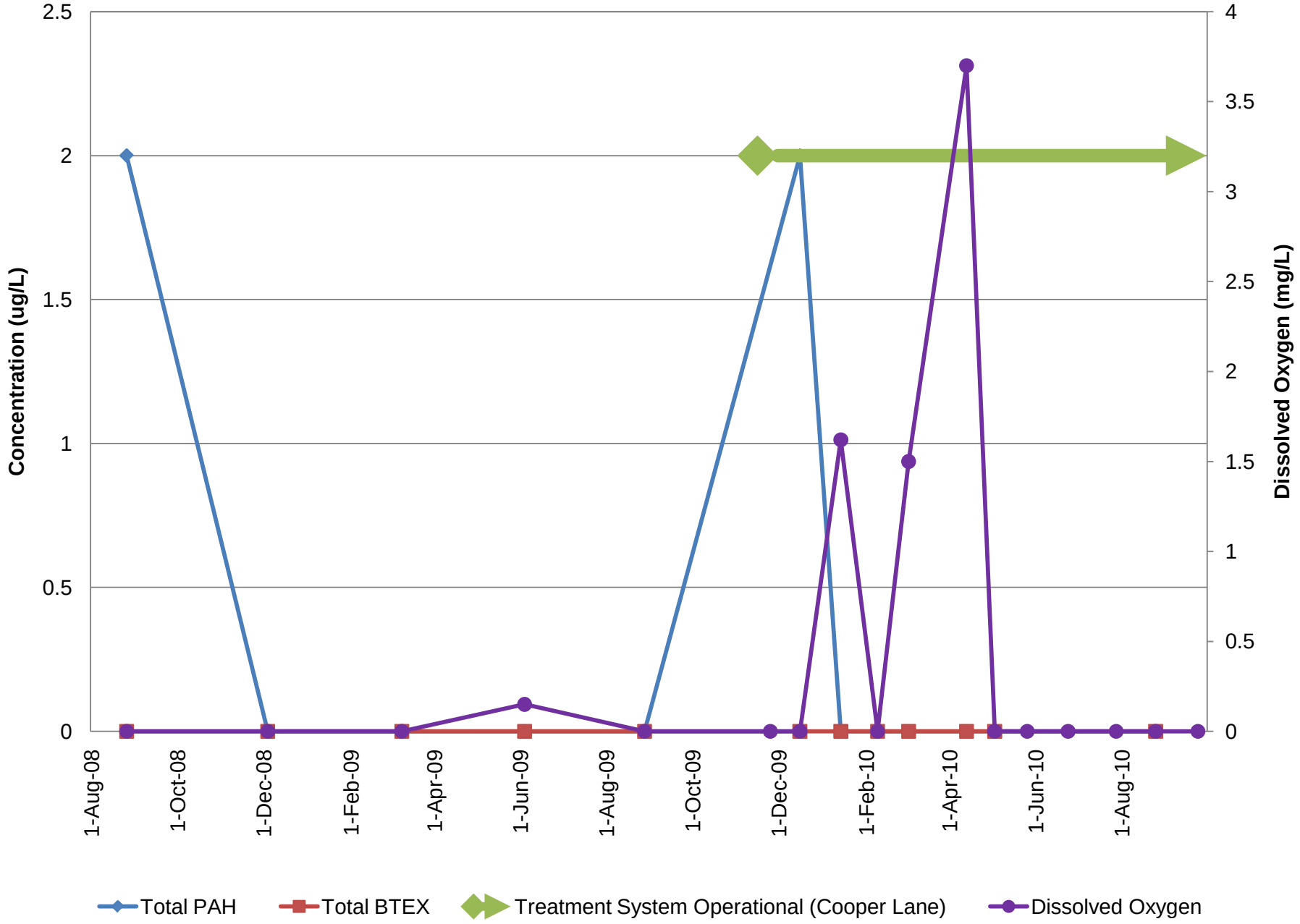
Monitoring Well OU2MW-20I
13-23 ft bgs



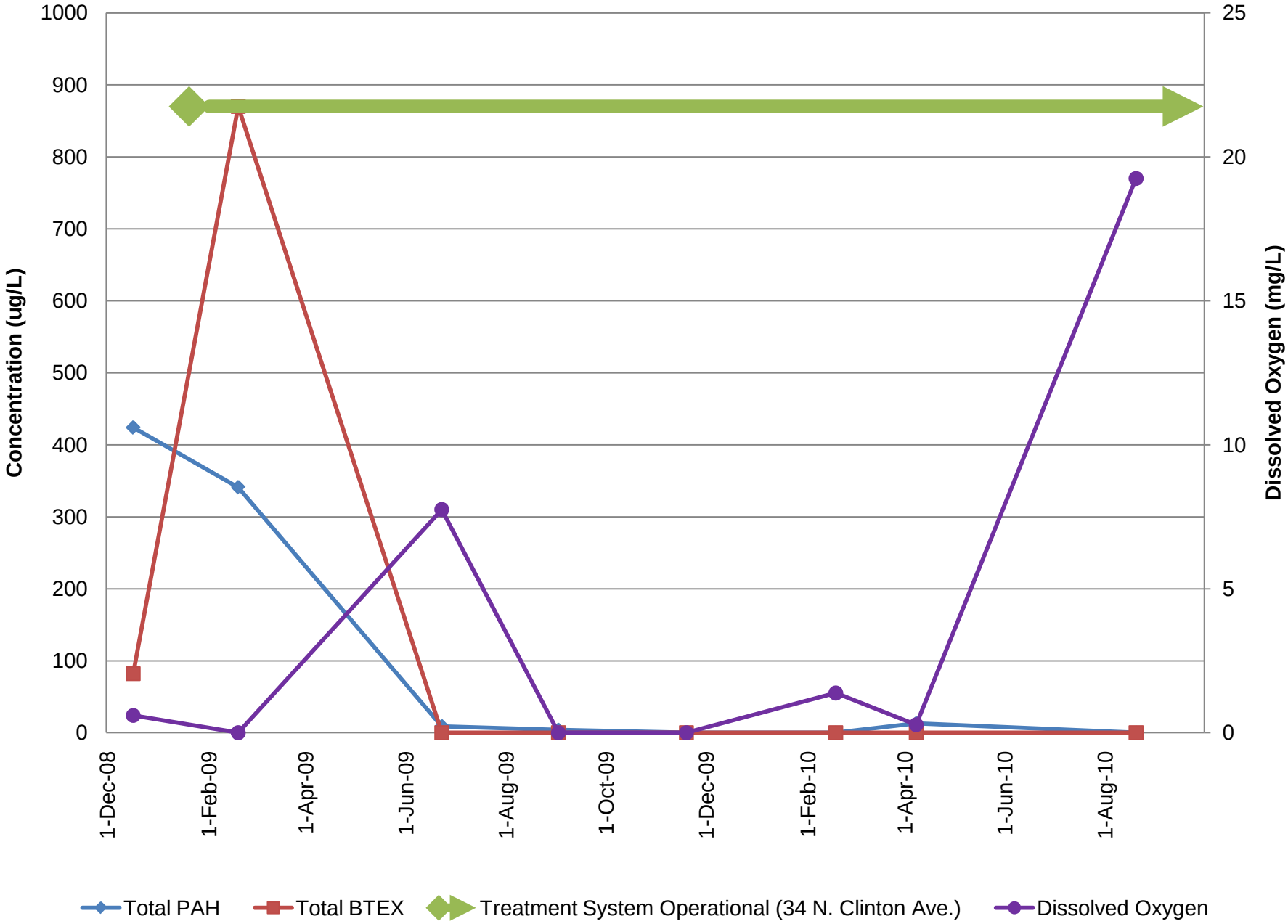
Monitoring Well OU2MW-20I2
35-45 ft bgs



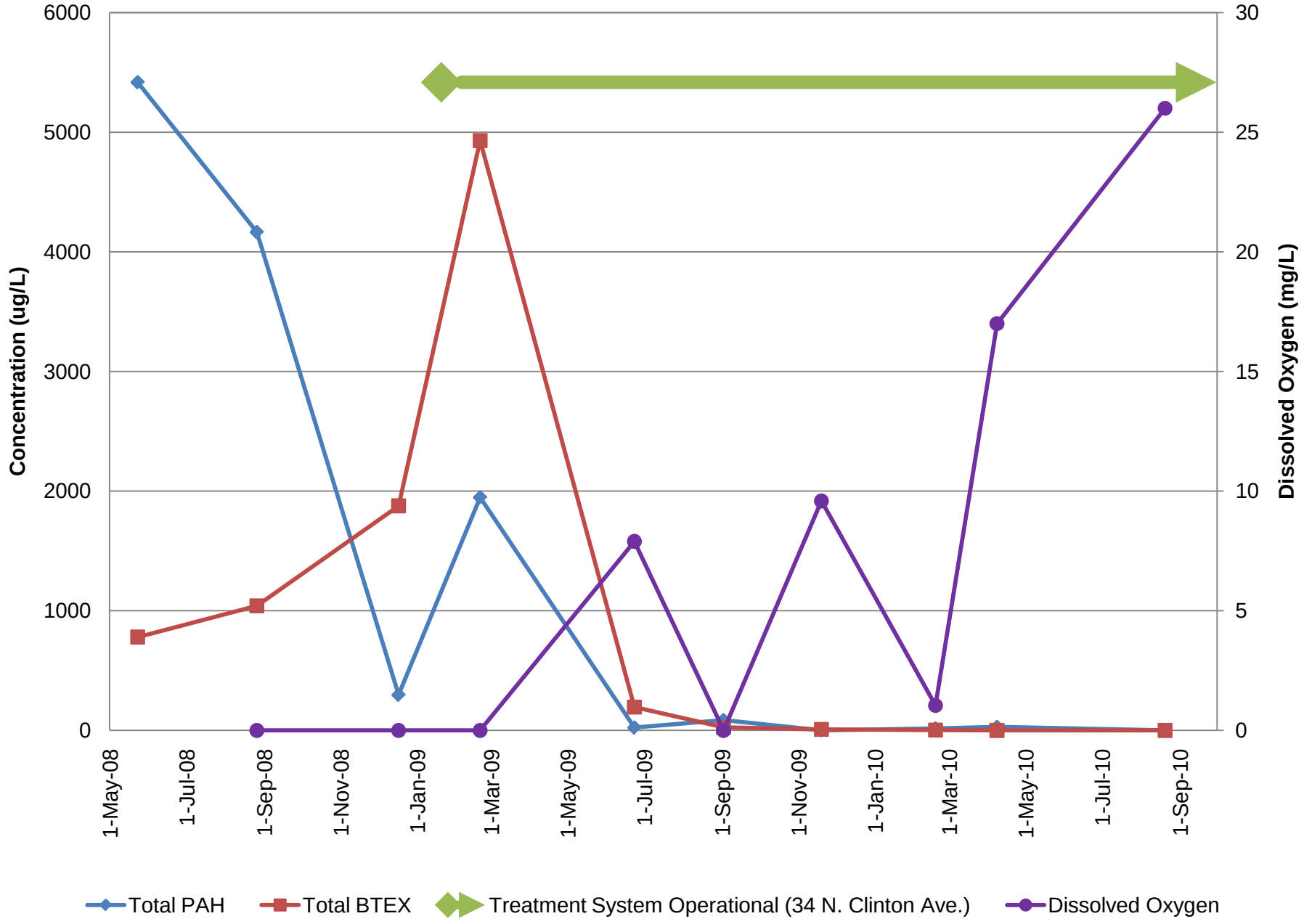
Monitoring Well OU2MW-20D
65-70 ft bgs



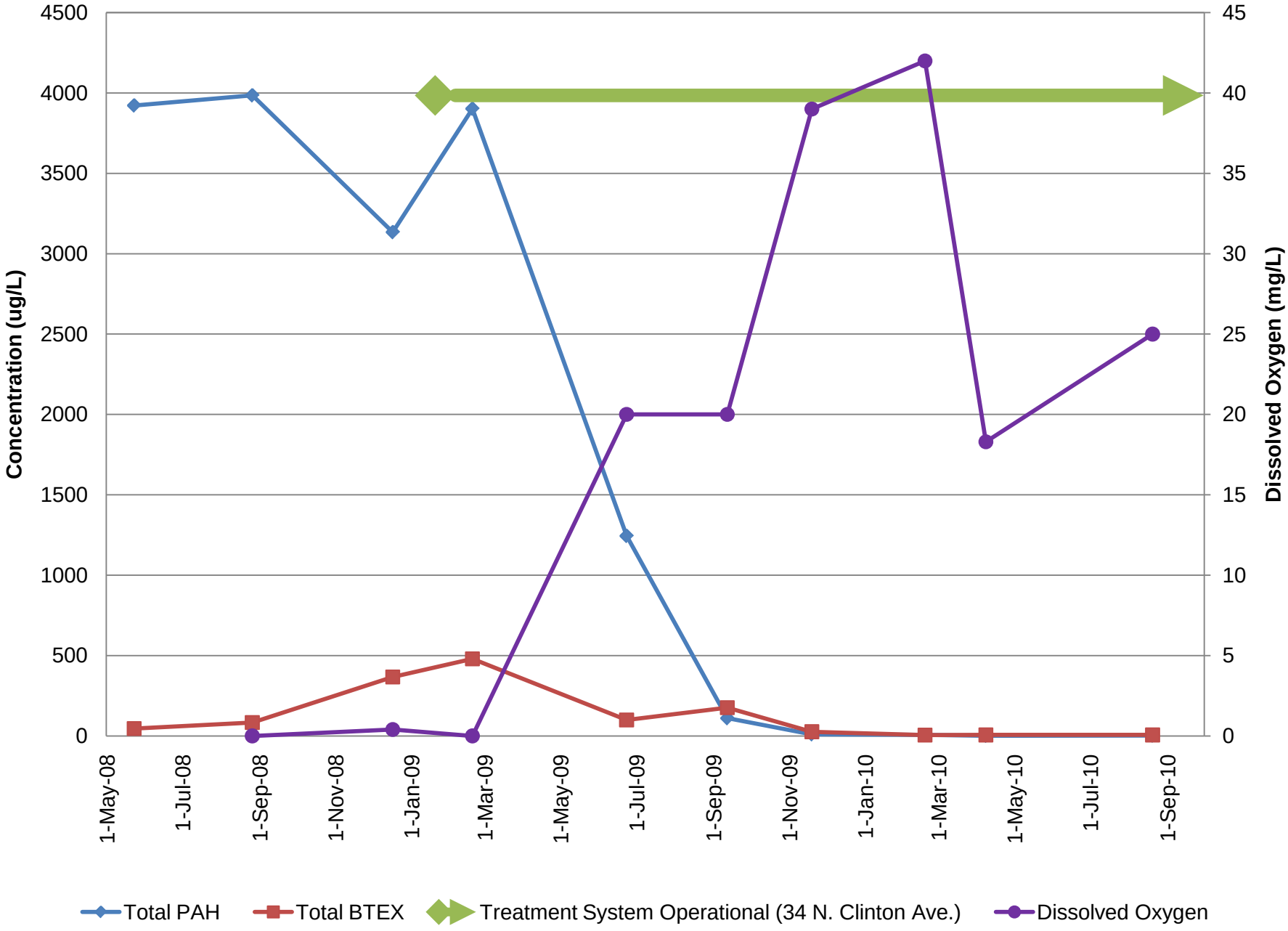
Monitoring Well OU2MW-21S
5-15 ft bgs



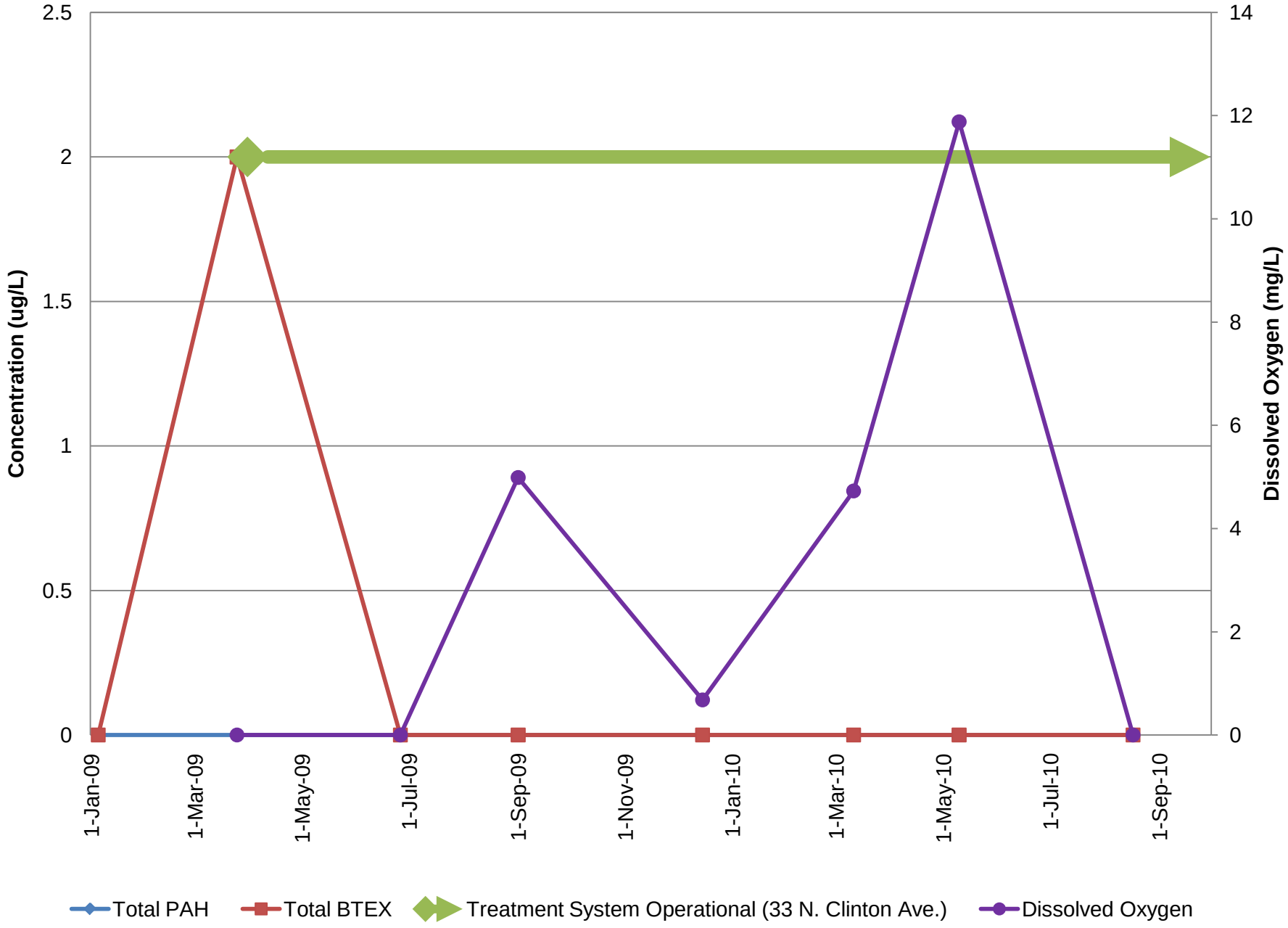
Monitoring Well OU2MW-21I
13-23 ft bgs



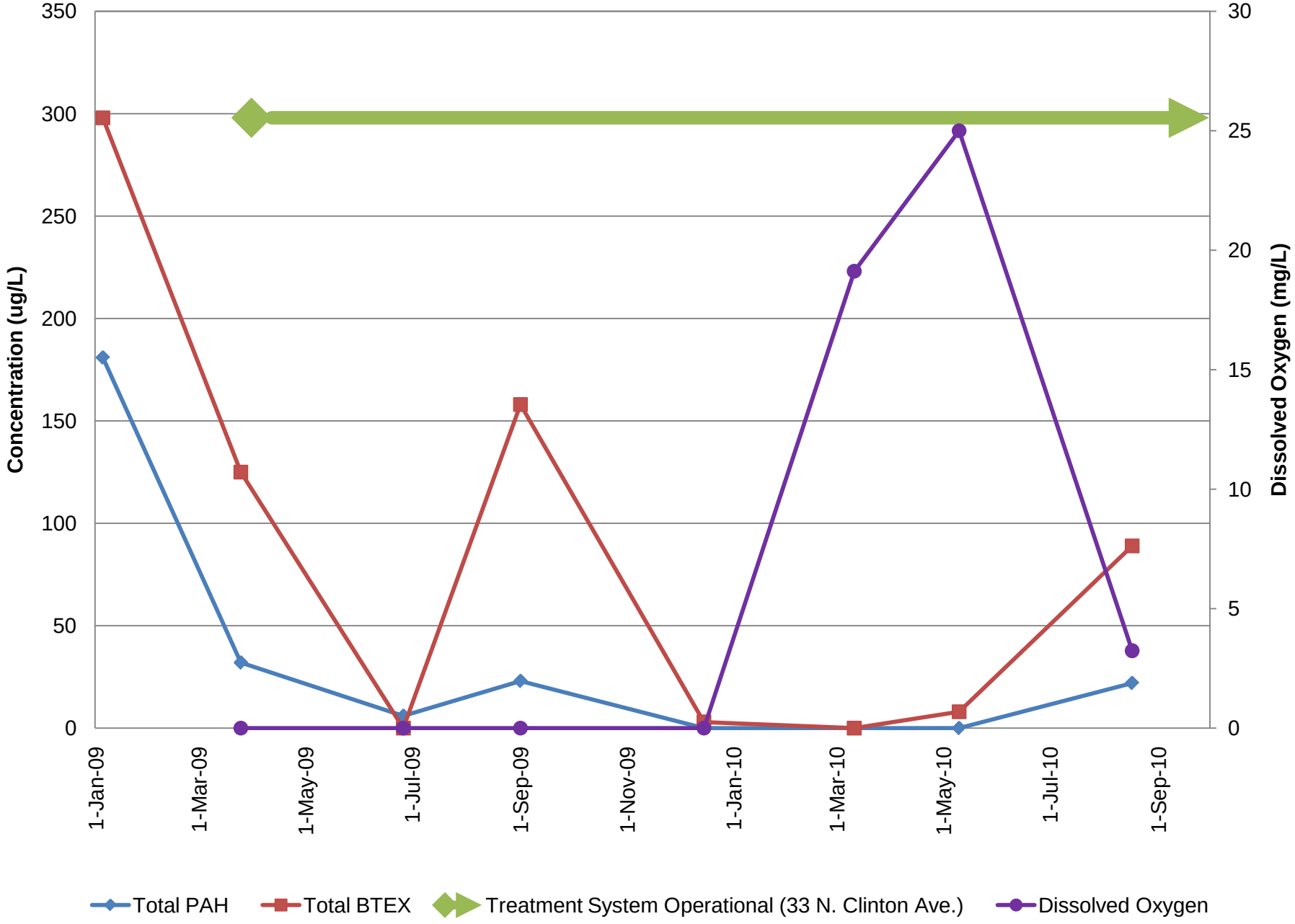
Monitoring Well OU2MW-21I2
35-45 ft bgs



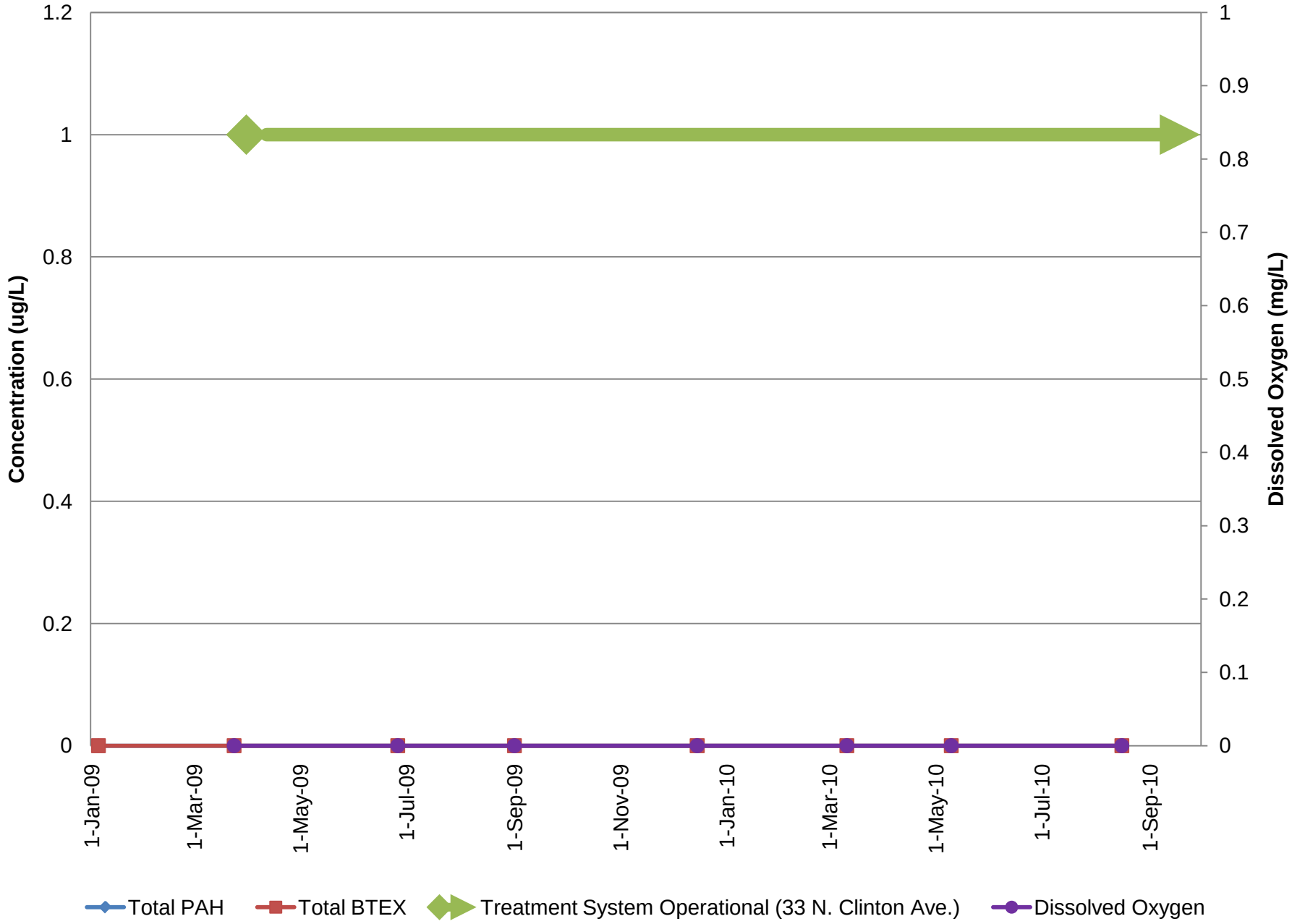
Monitoring Well OU2MW-22S
5-15 ft bgs



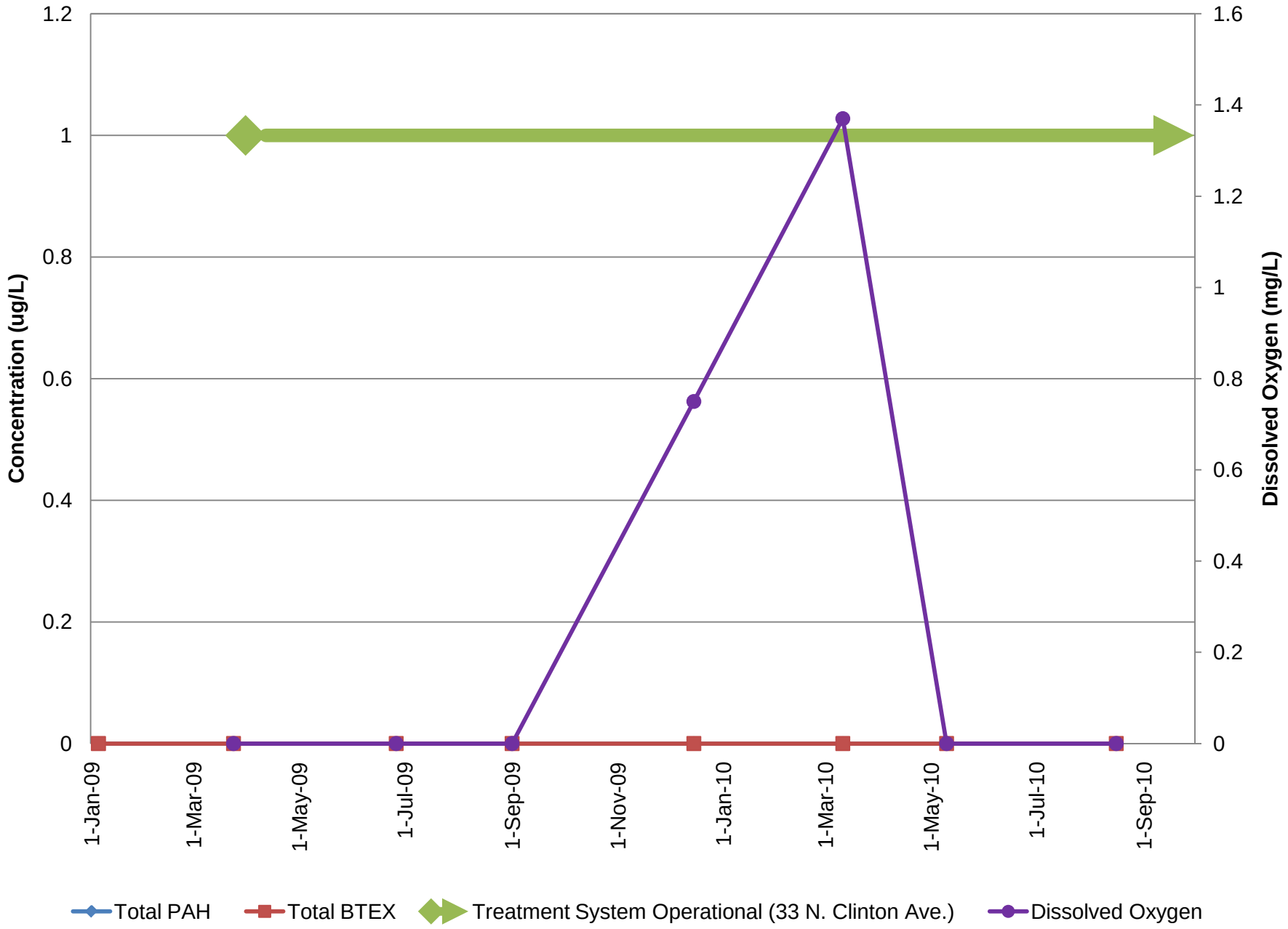
Monitoring Well OU2MW-22I
25-30 ft bgs



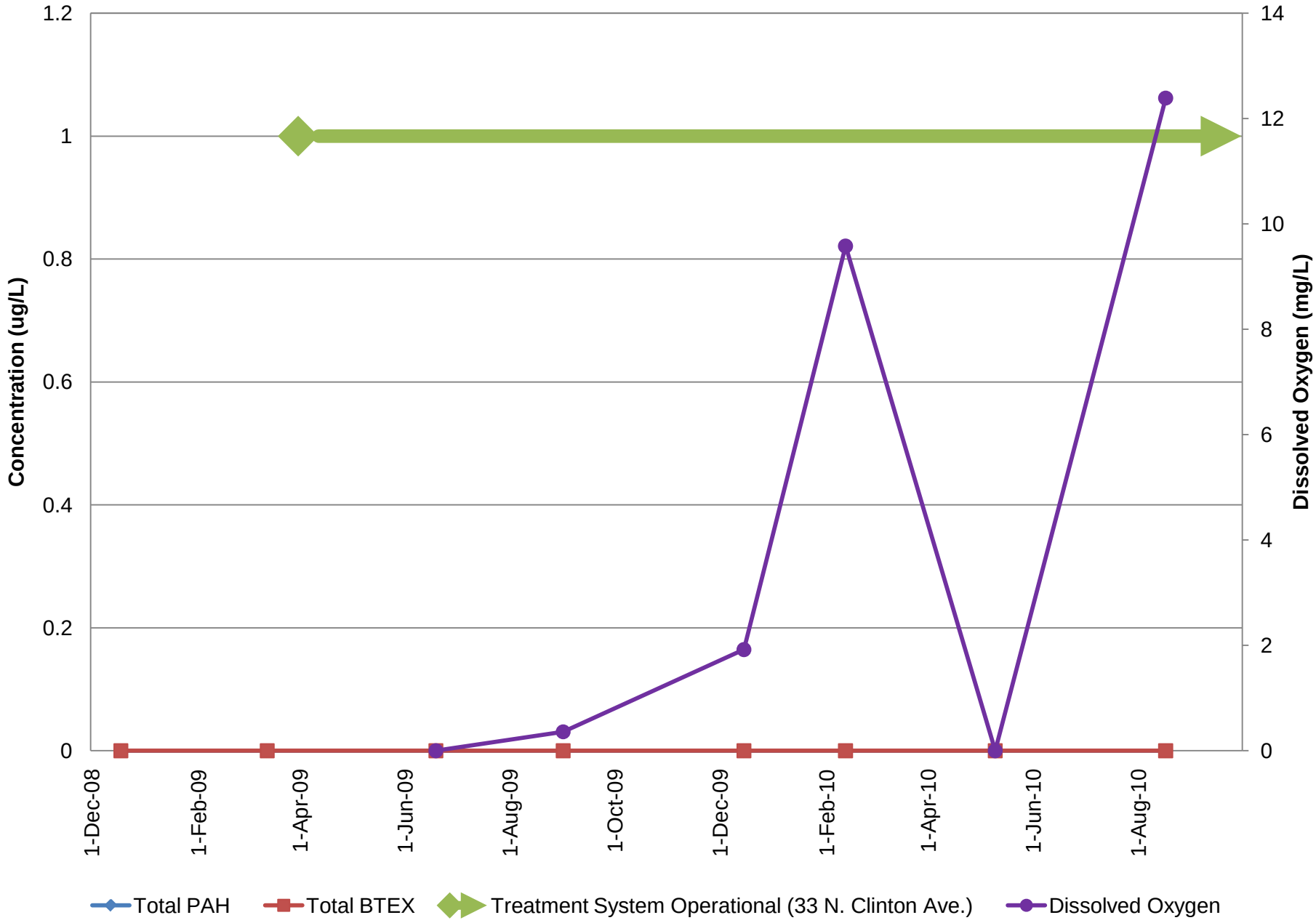
Monitoring Well OU2MW-22I2
46-51 ft bgs



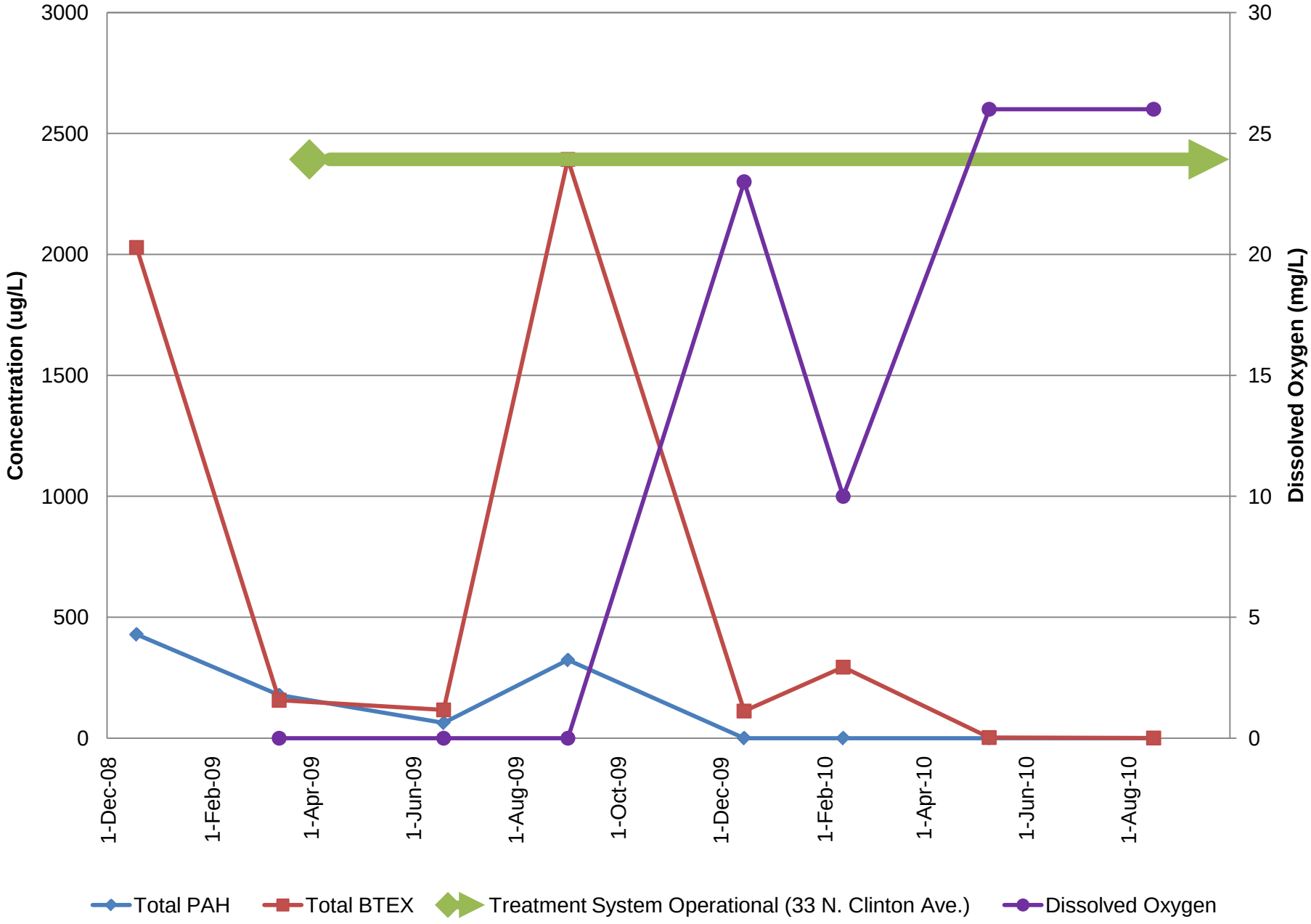
Monitoring Well OU2MW-22D
67-72 ft bgs



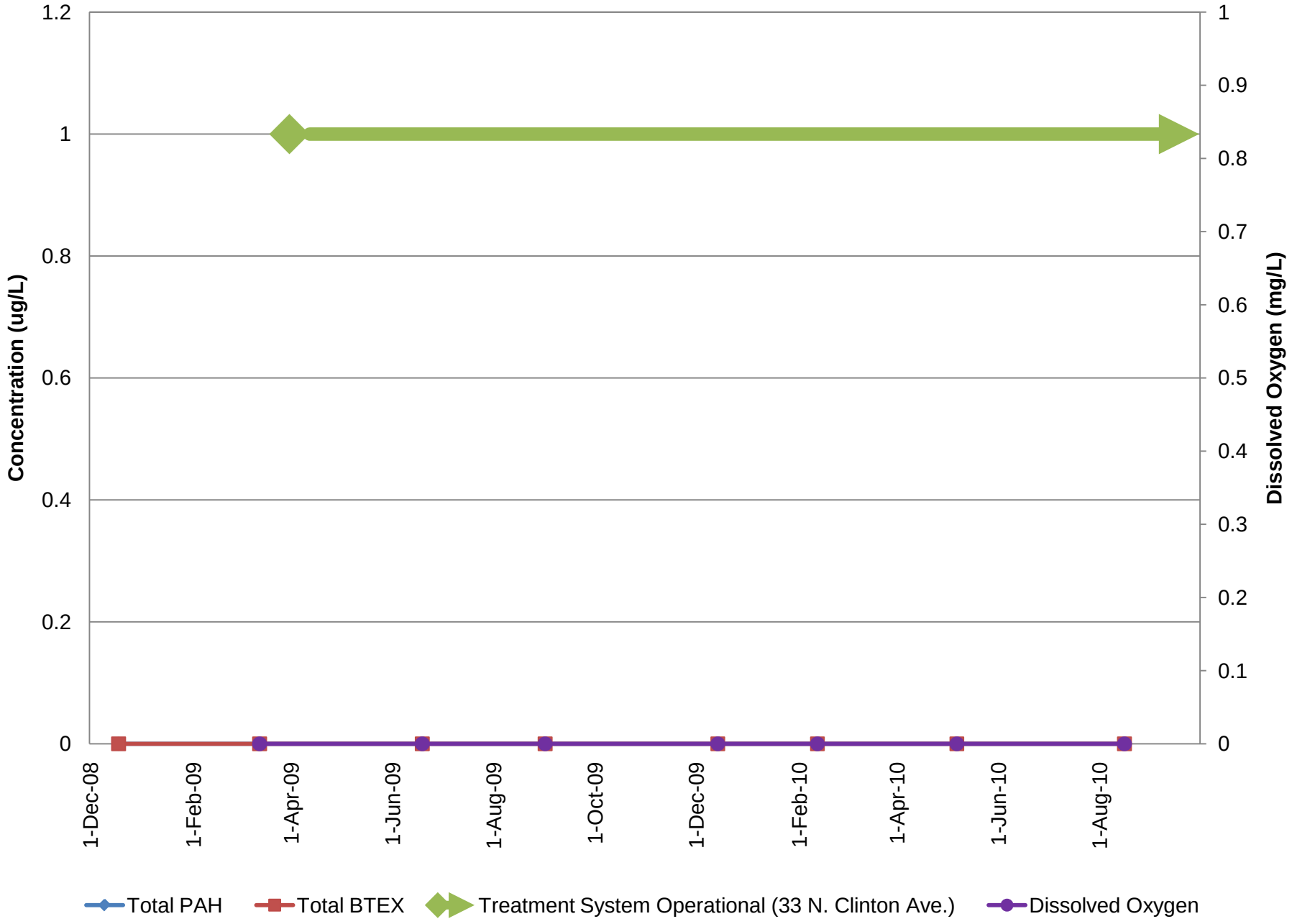
Monitoring Well OU2MW-23S
5-15 ft bgs



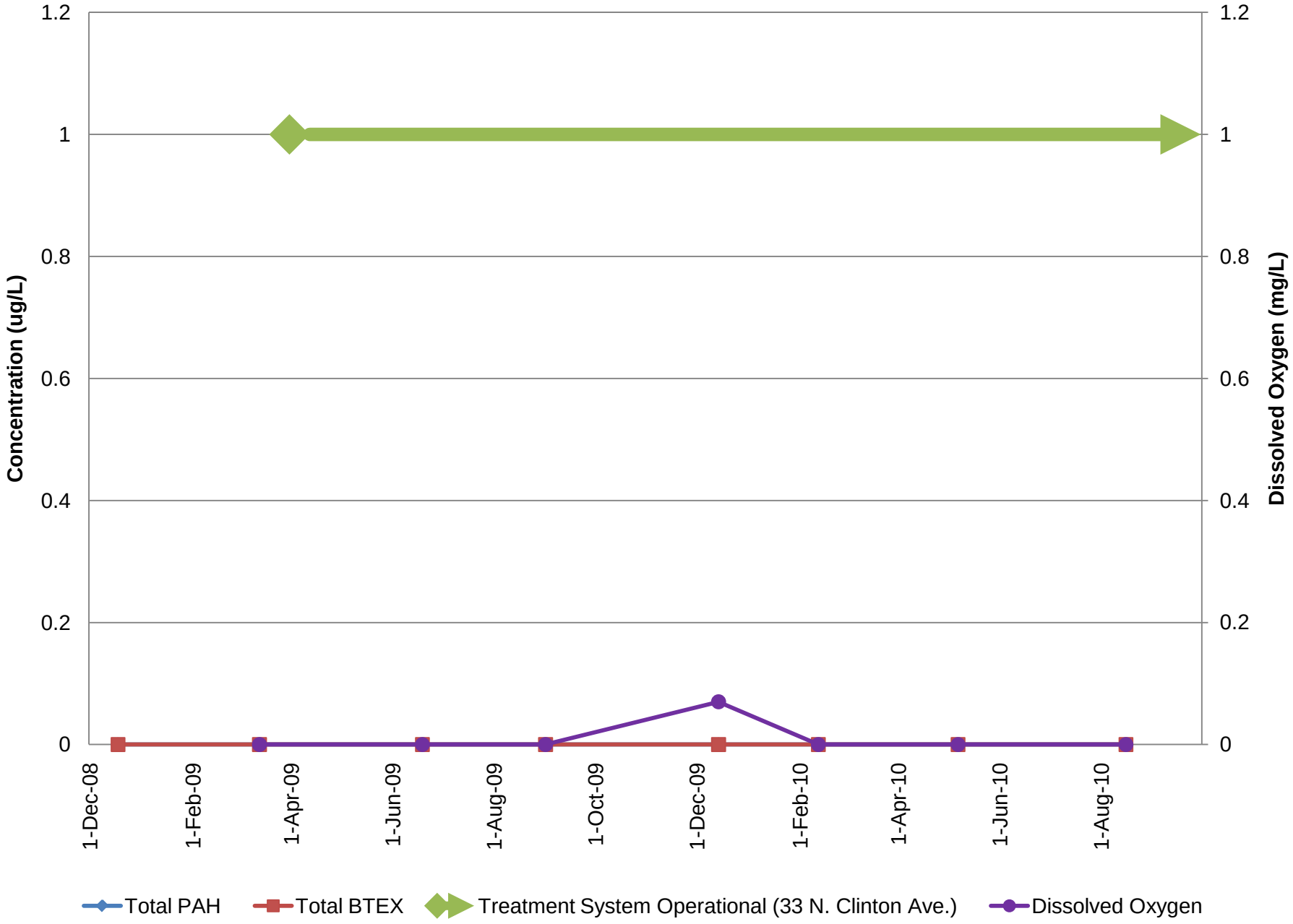
Monitoring Well OU2MW-23I
25-30 ft bgs



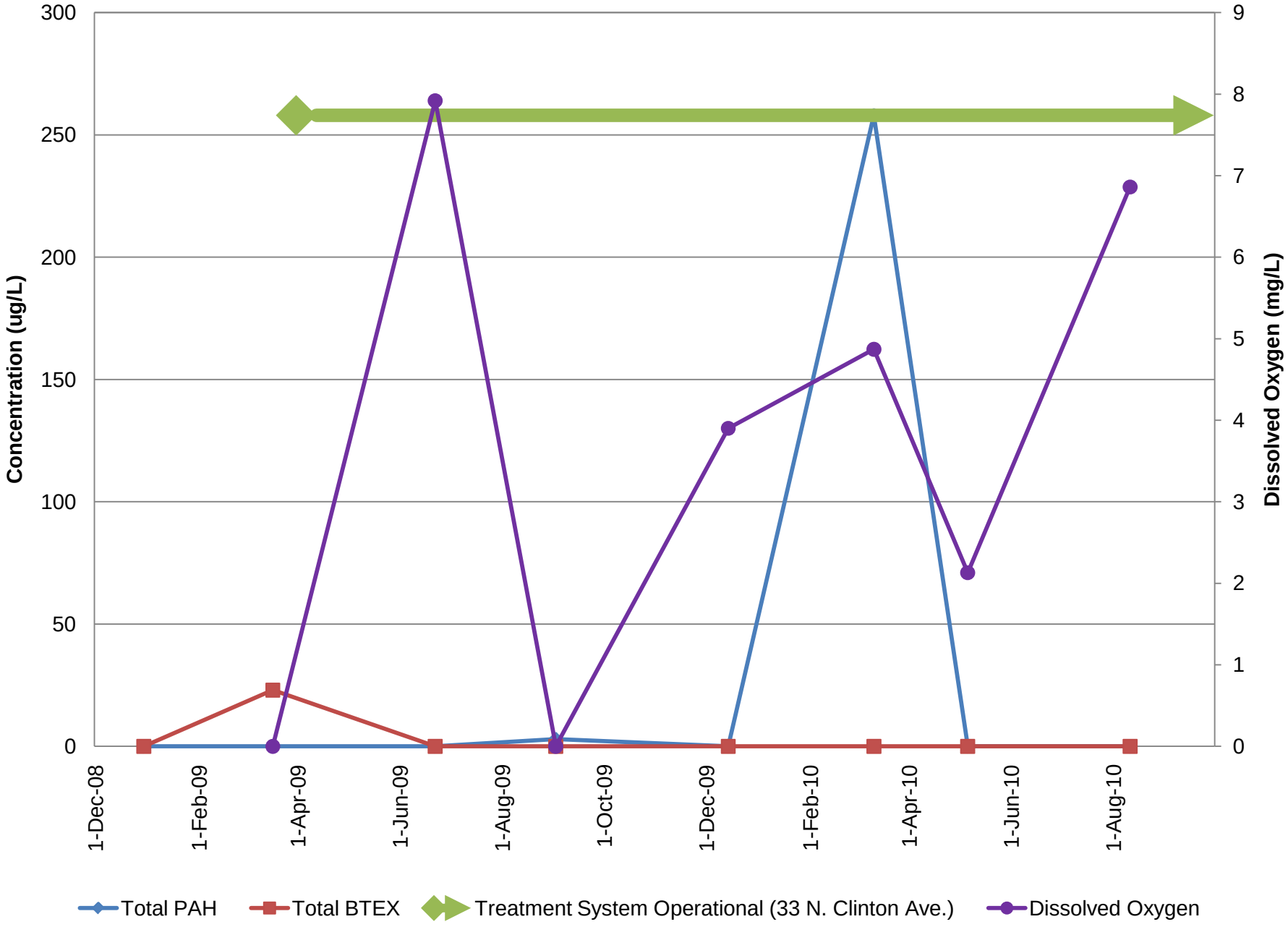
Monitoring Well OU2MW-23I2
45-50 ft bgs



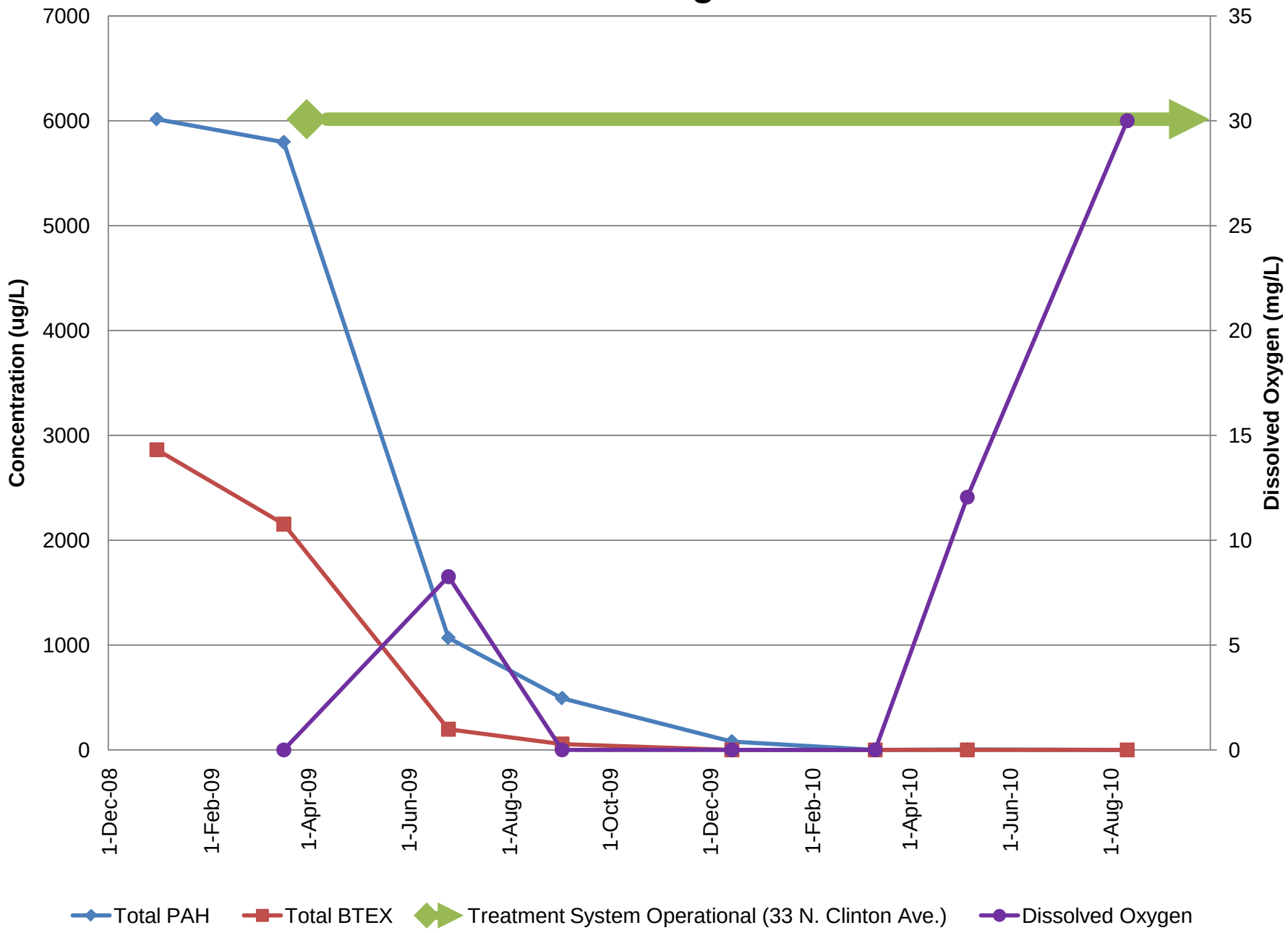
Monitoring Well OU2MW-23D
65-70 ft bgs



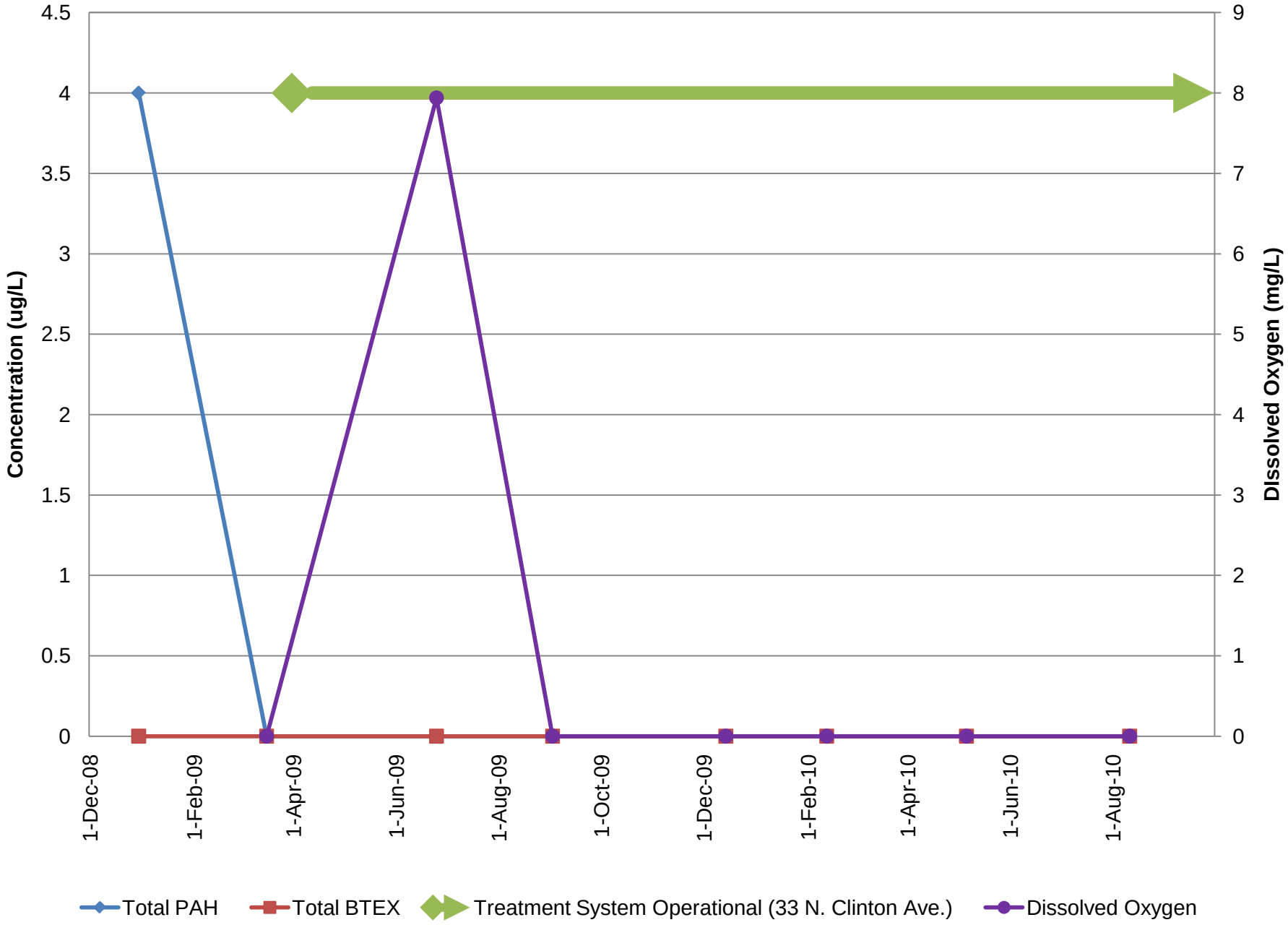
Monitoring Well OU2MW-24S
5-15 ft bgs



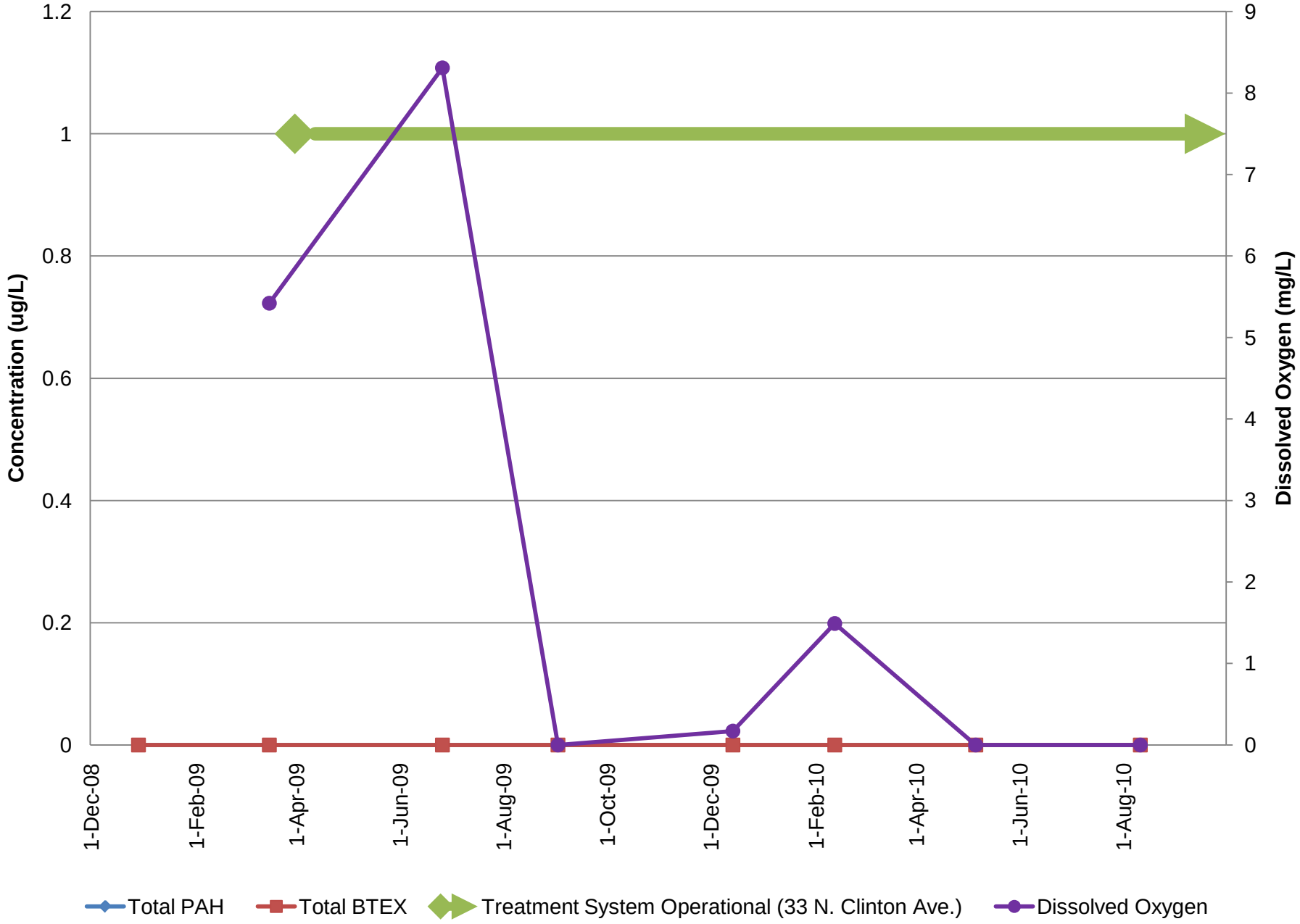
Monitoring Well OU2MW-24I
25-30 ft bgs



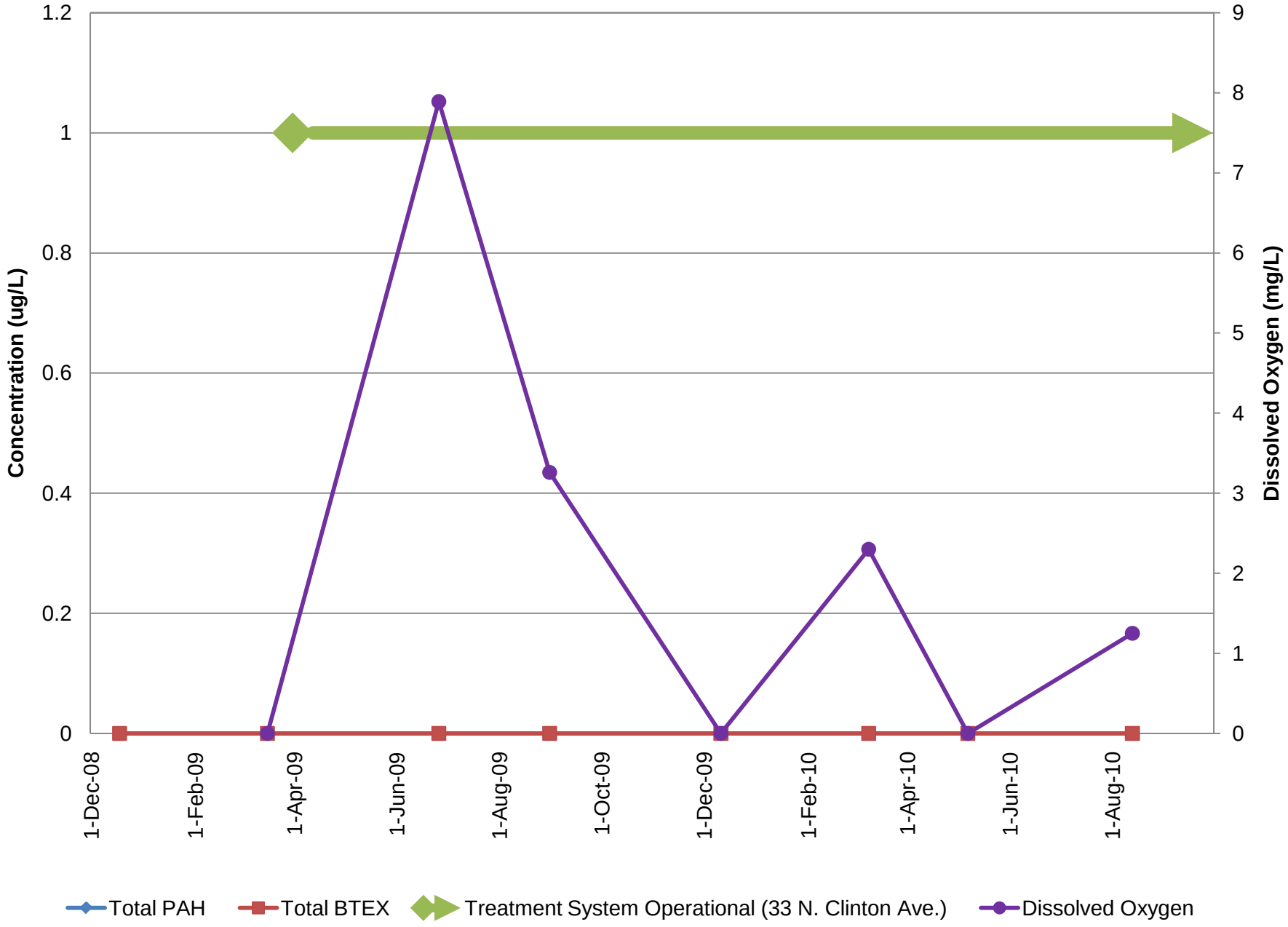
Monitoring Well OU2MW-24I2
45-50 ft bgs



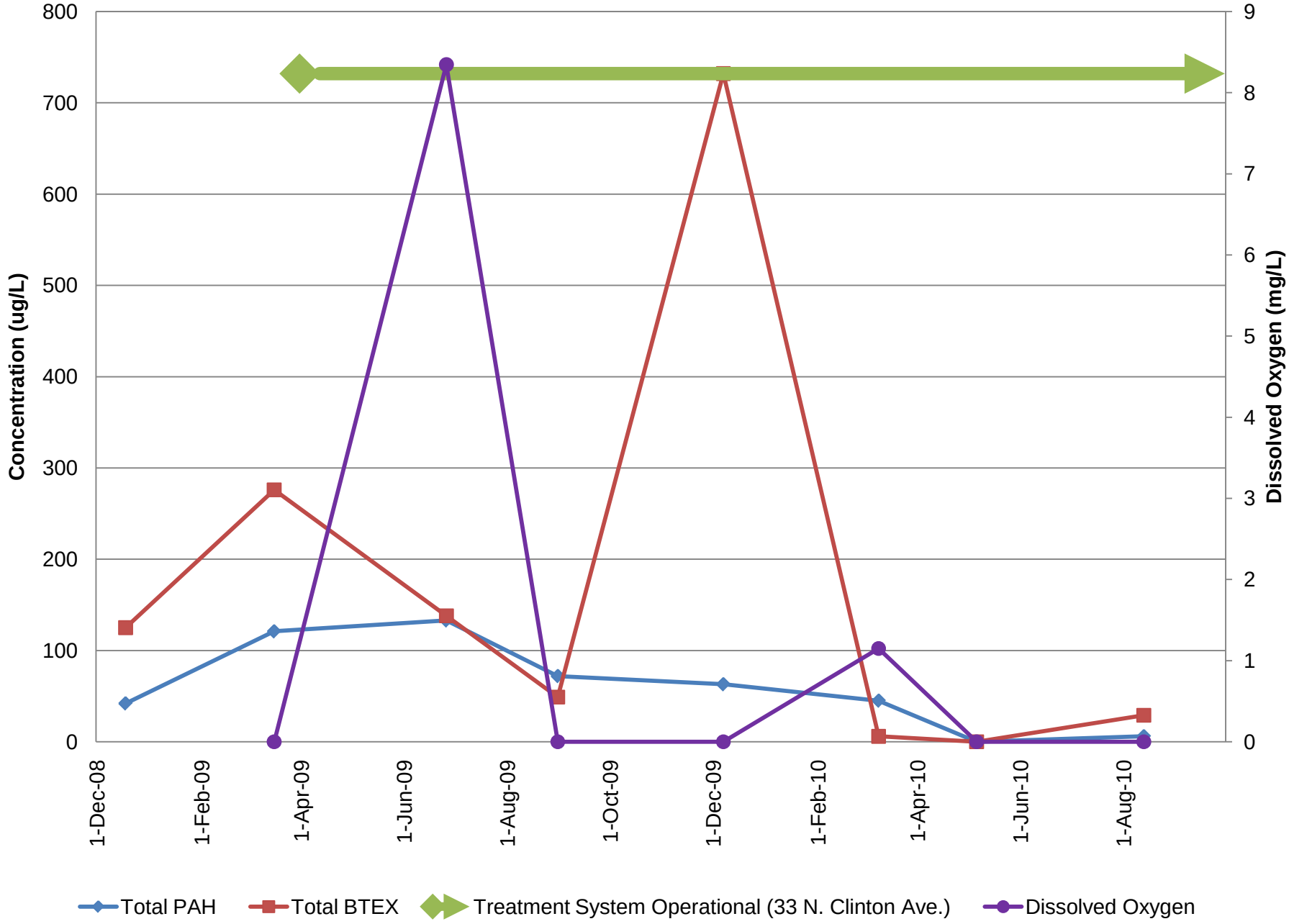
Monitoring Well OU2MW-24D
62-67 ft bgs



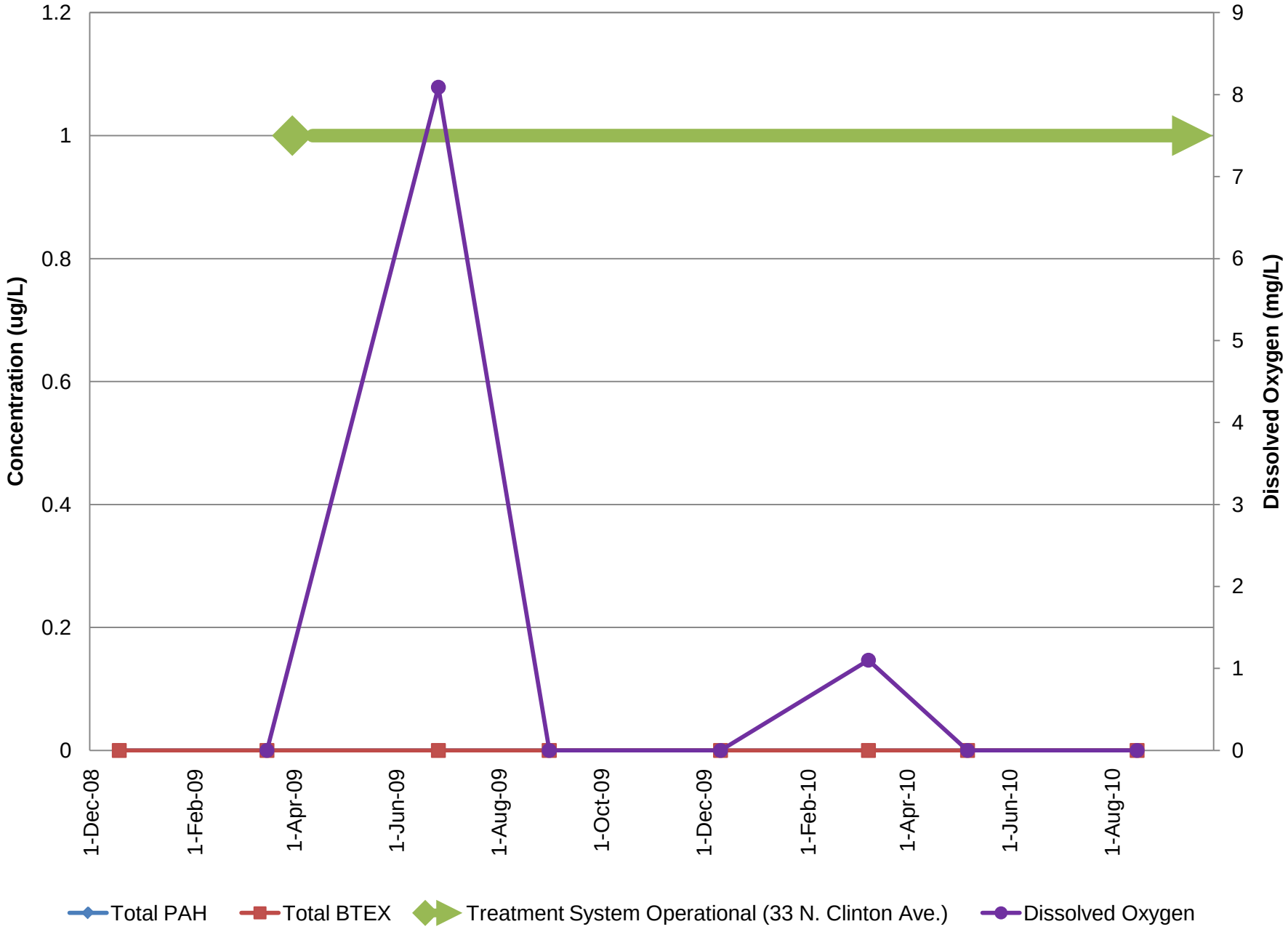
Monitoring Well OU2MW-25S
5-15 ft bgs



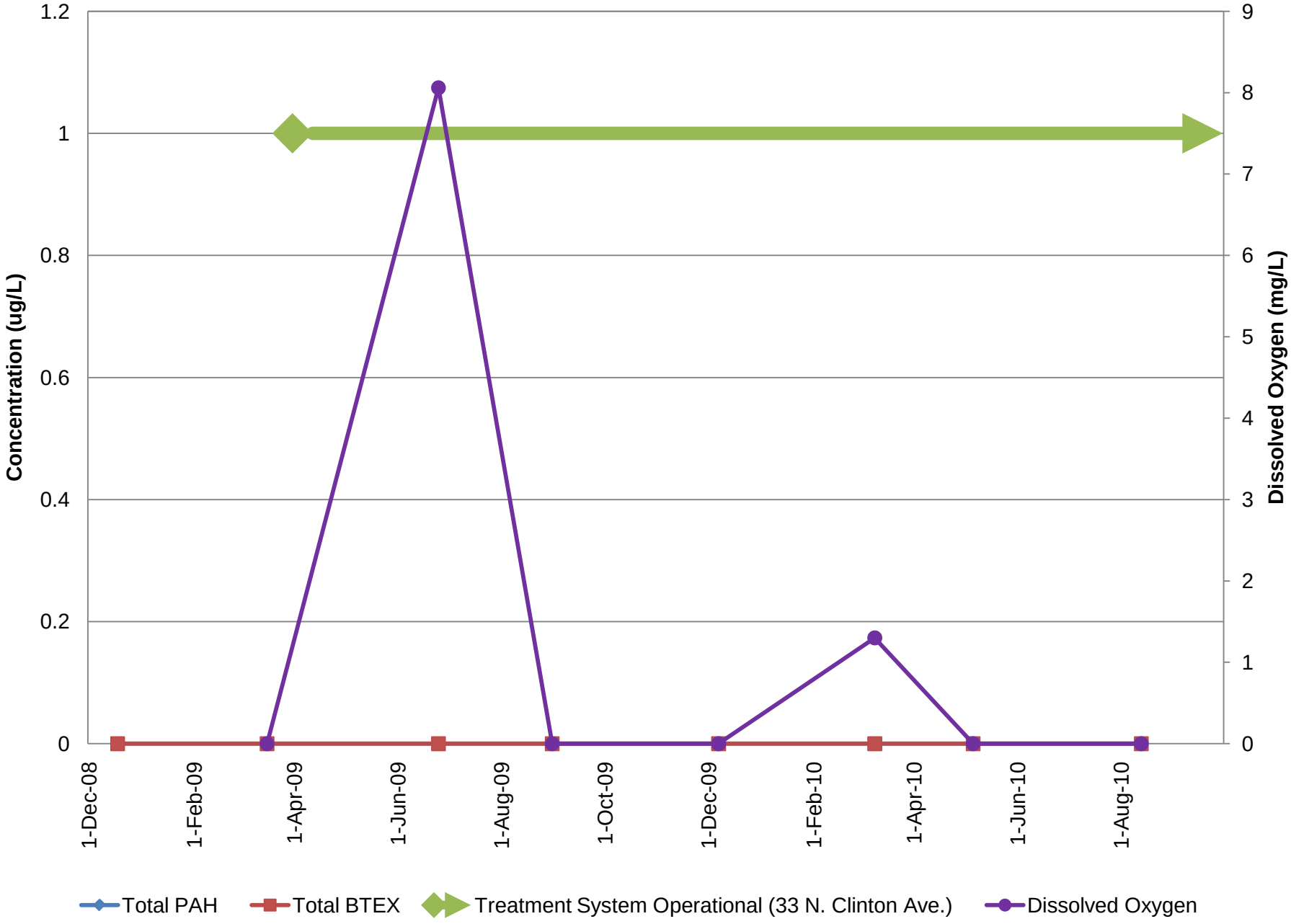
Monitoring Well OU2MW-25I
25-30 ft bgs



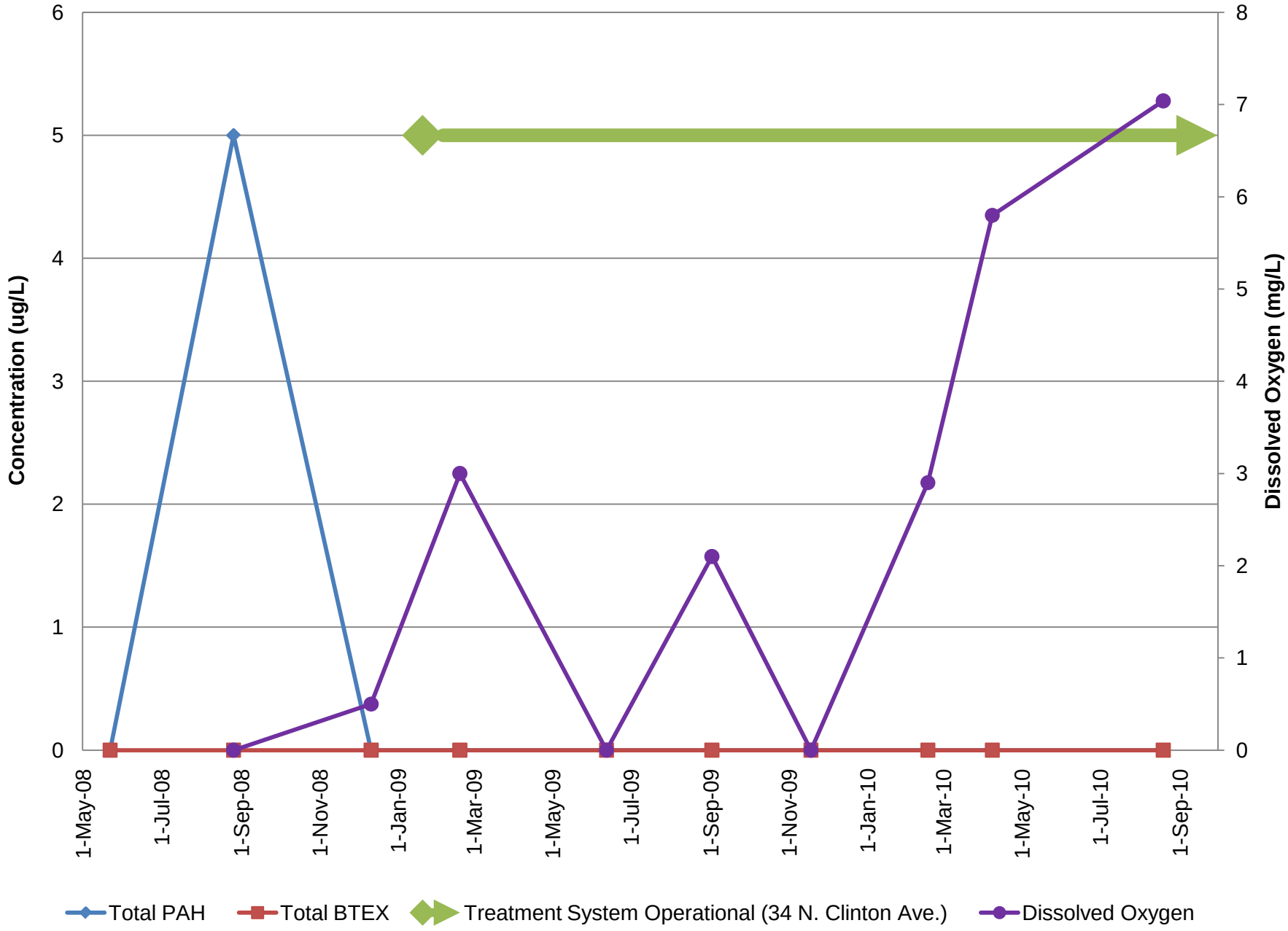
Monitoring Well OU2MW-25I2
45-50 ft bgs



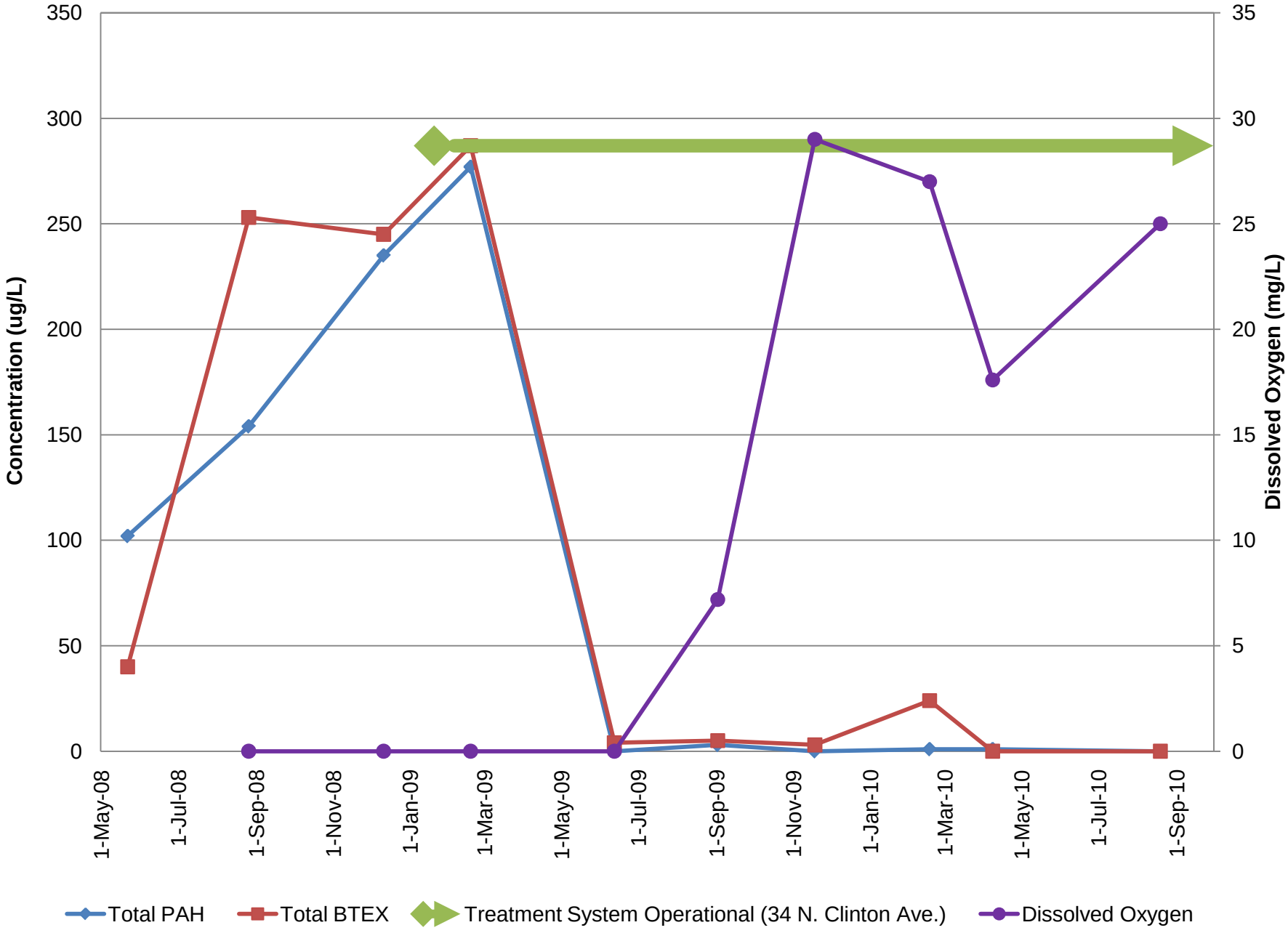
Monitoring Well OU2MW-25D
70-75 ft bgs



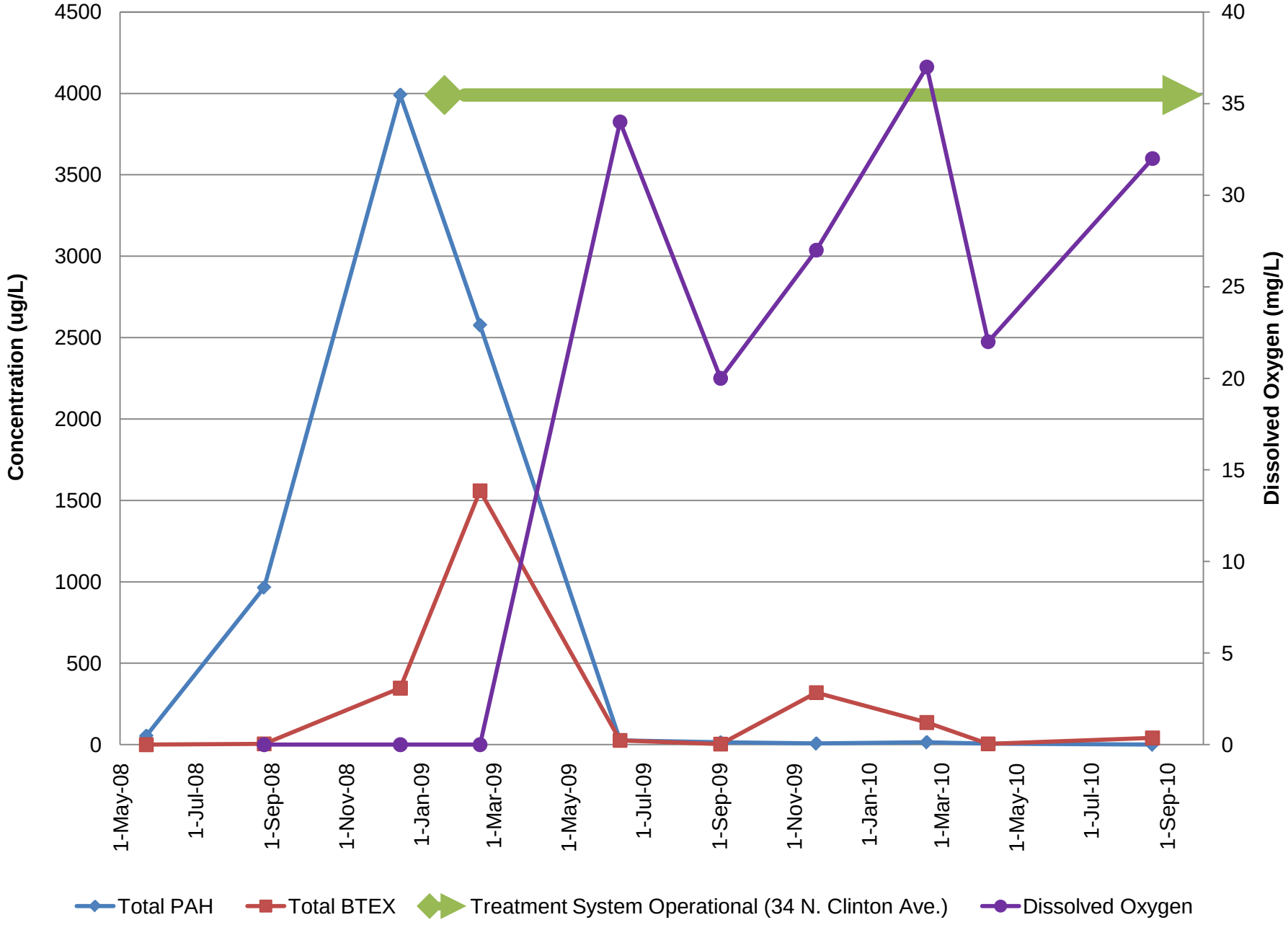
Monitoring Well OU2MW-26S
6-11 ft bgs



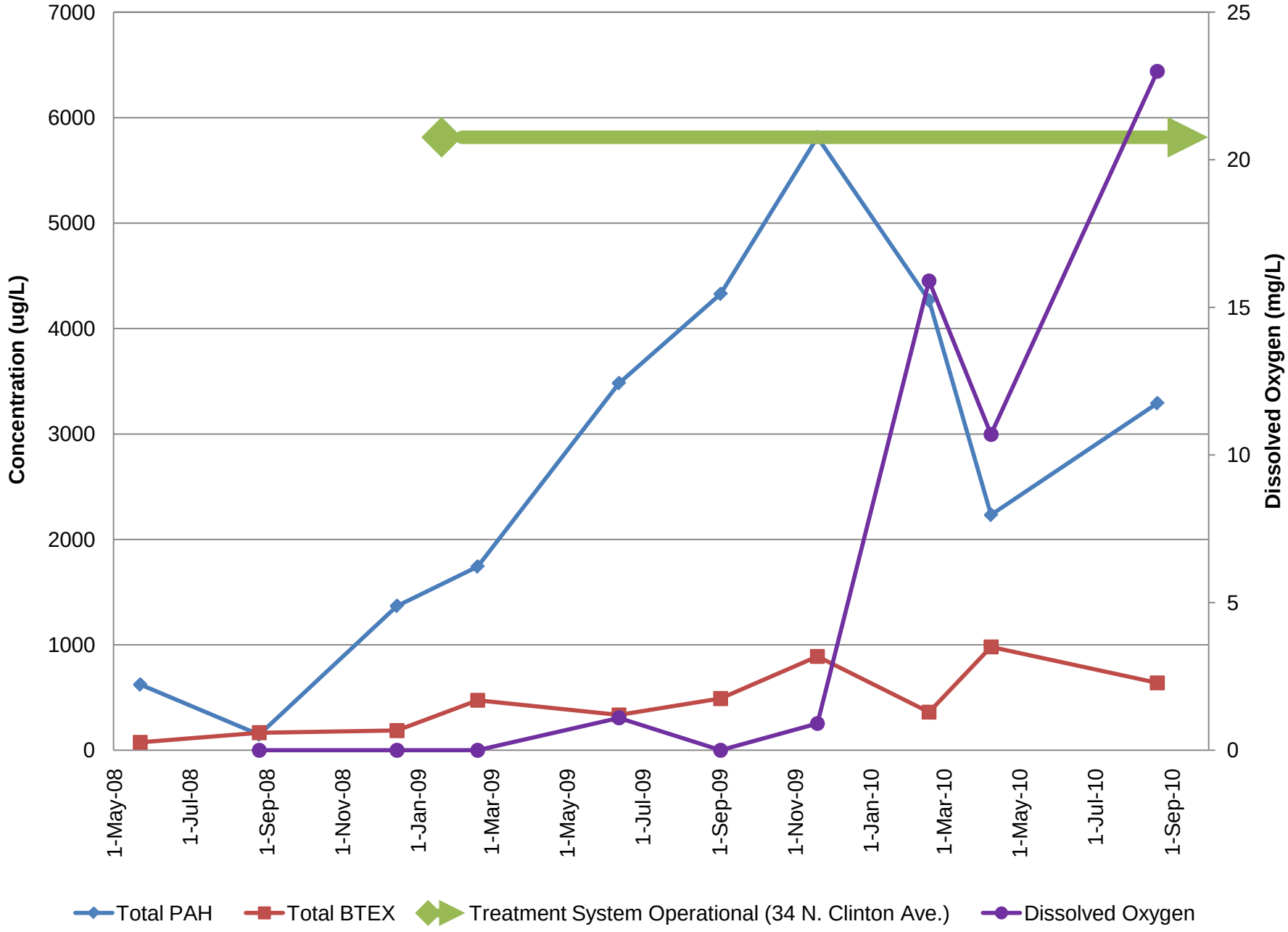
Monitoring Well OU2MW-26I
13-23 ft bgs



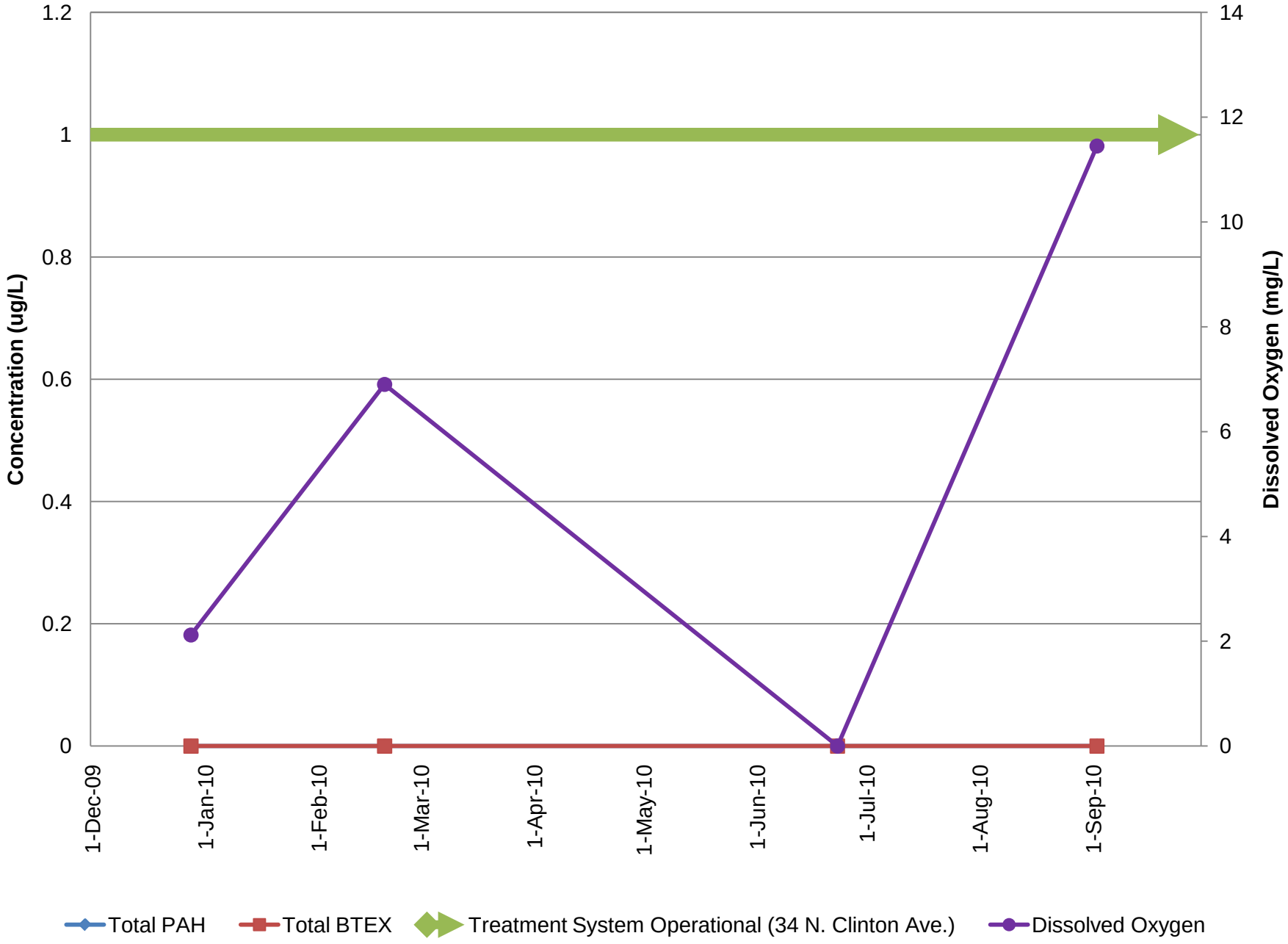
Monitoring Well OU2MW-26I2
35-45 ft bgs



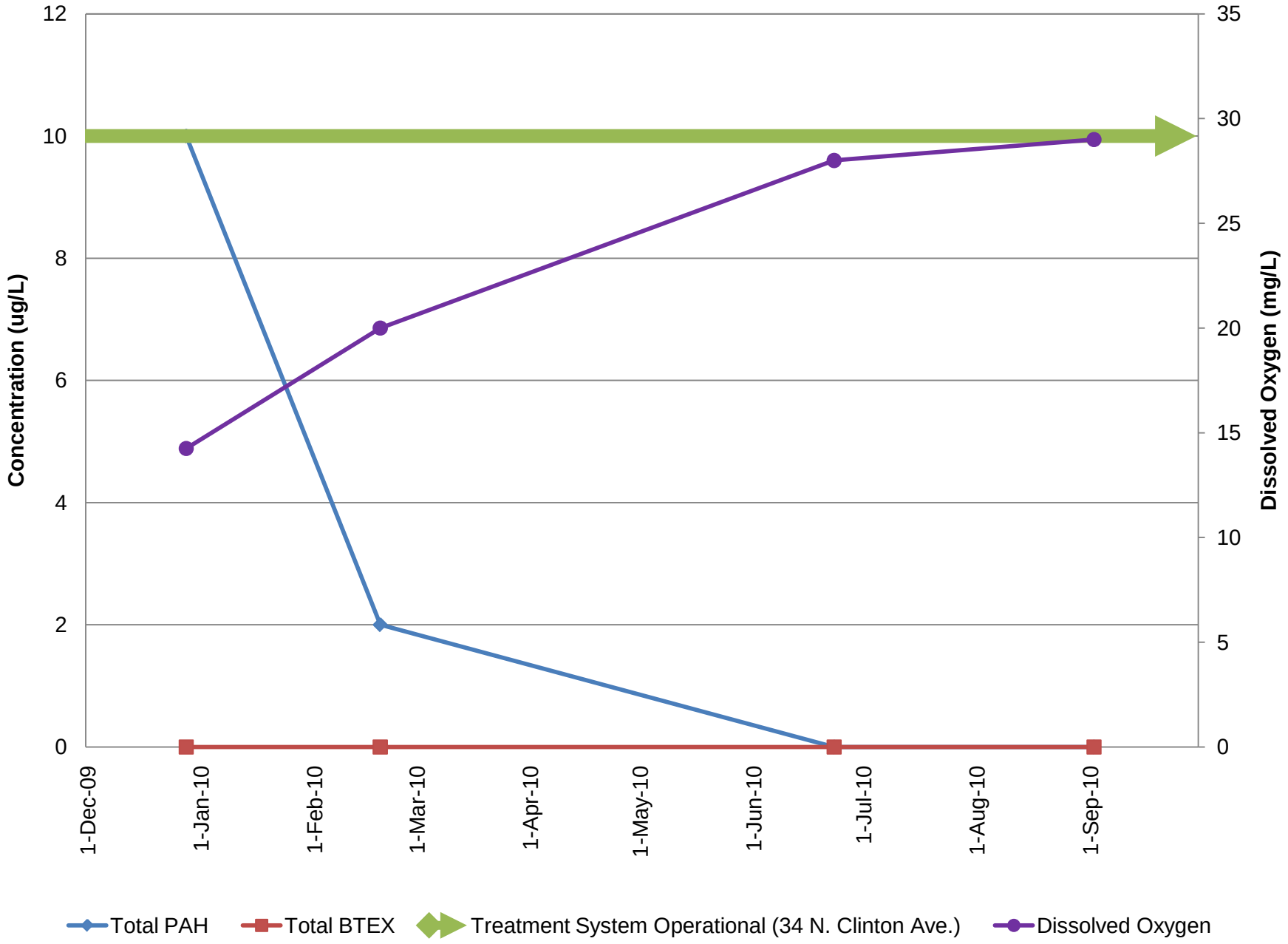
Monitoring Well OU2MW-26D
60-70 ft bgs



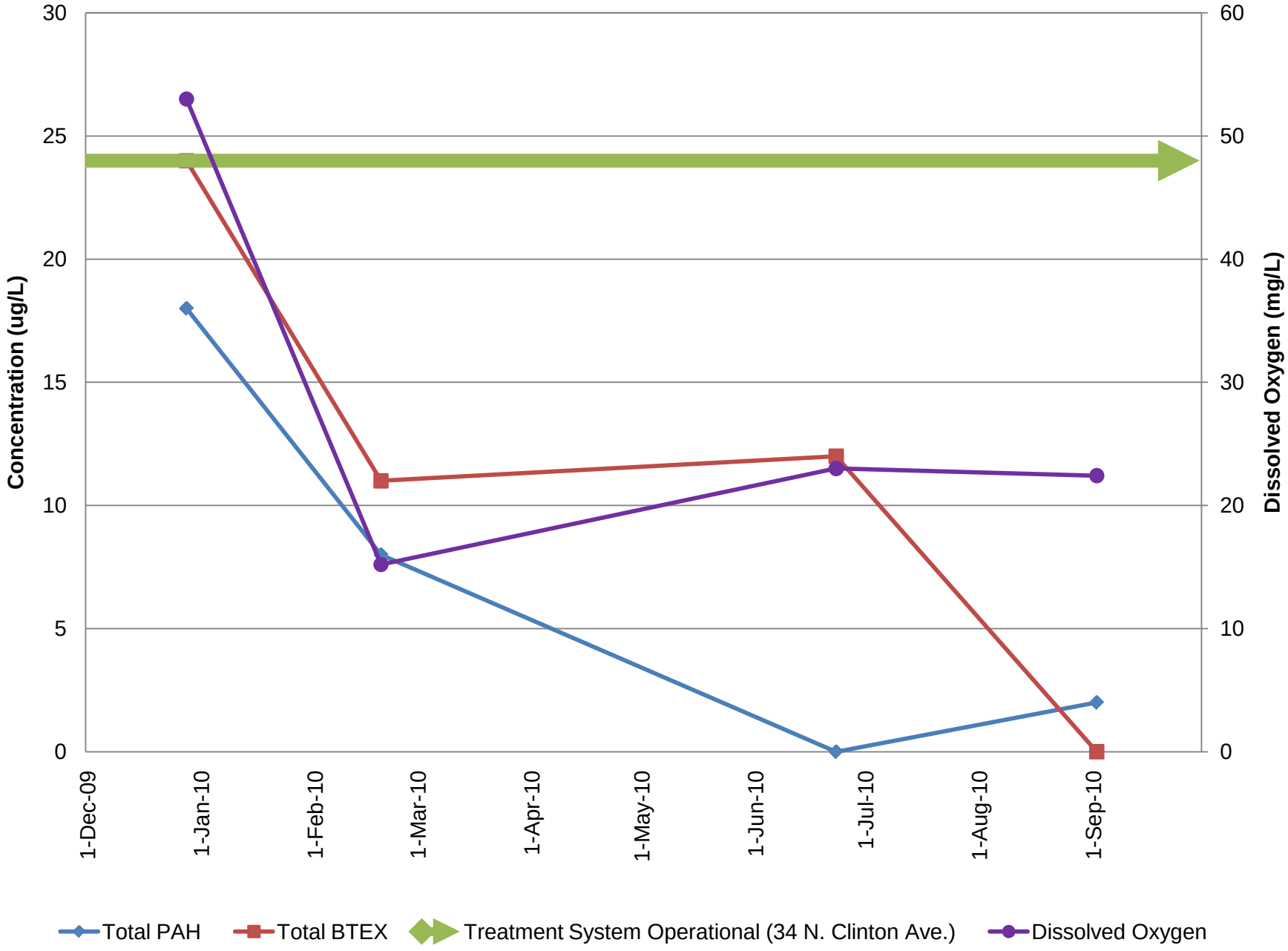
Monitoring Well OU2MW-27S
5-15 ft bgs



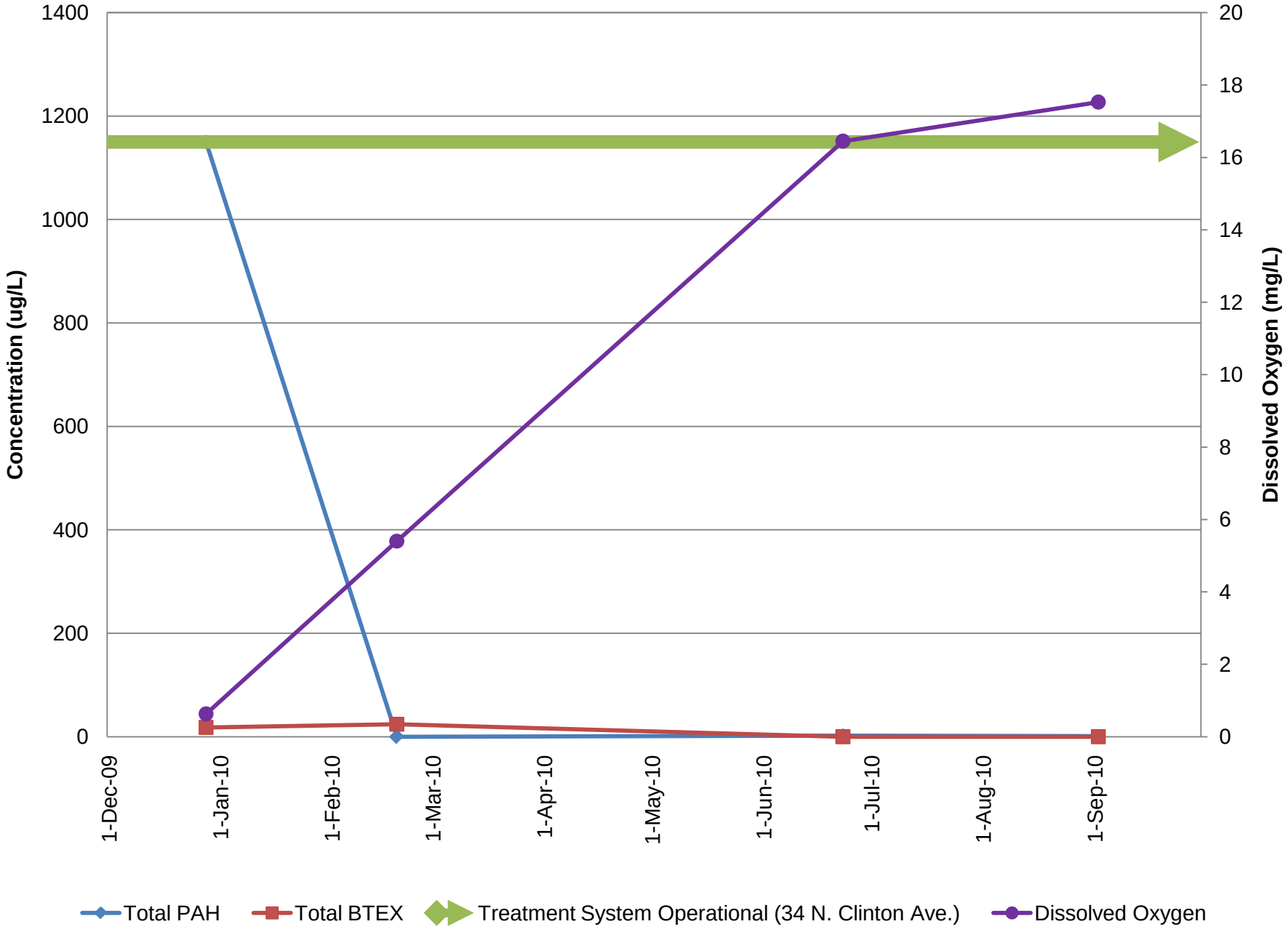
Monitoring Well OU2MW-27I
25-30 ft bgs



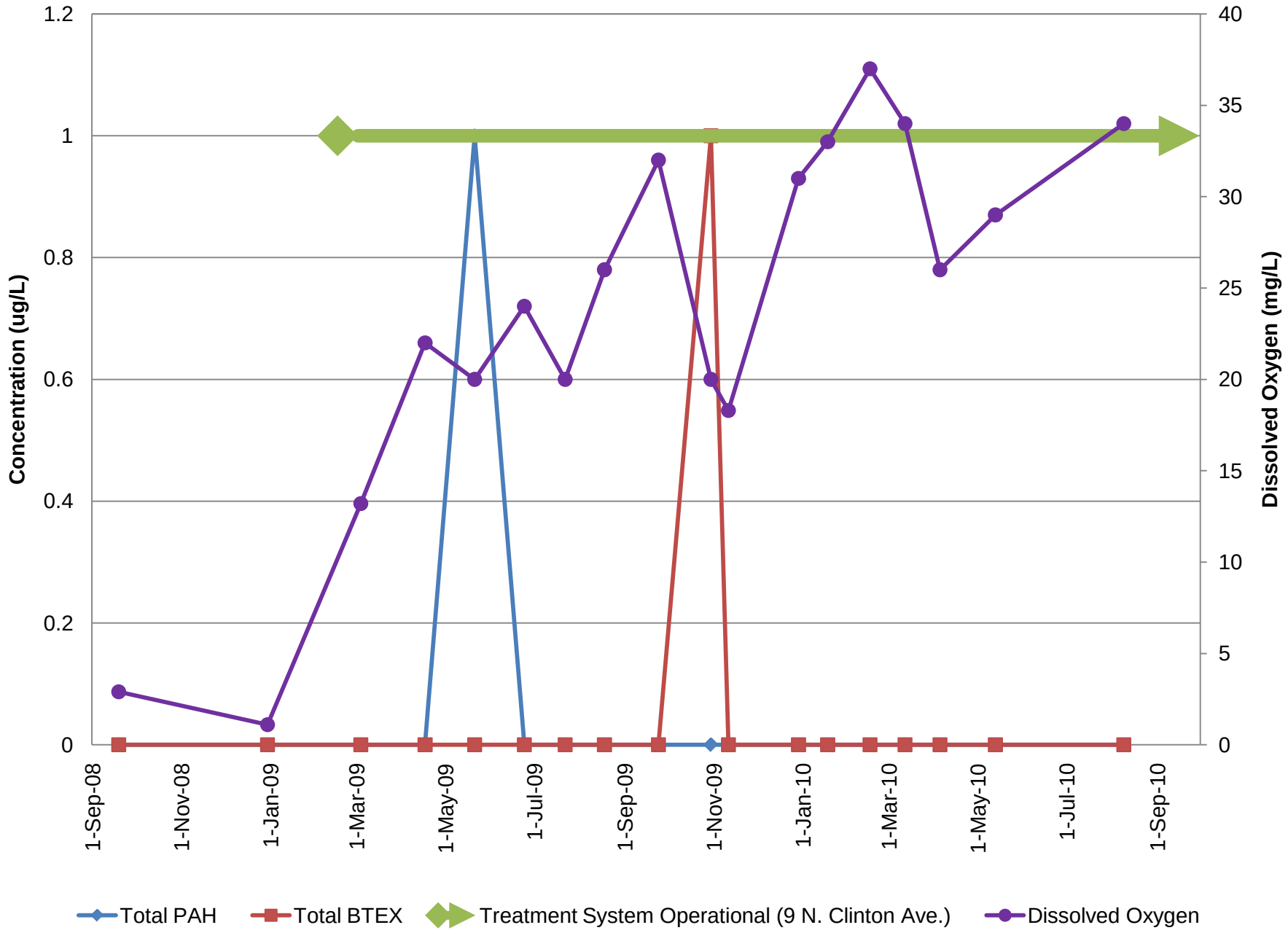
Monitoring Well OU2MW-27I2
45-50 ft bgs



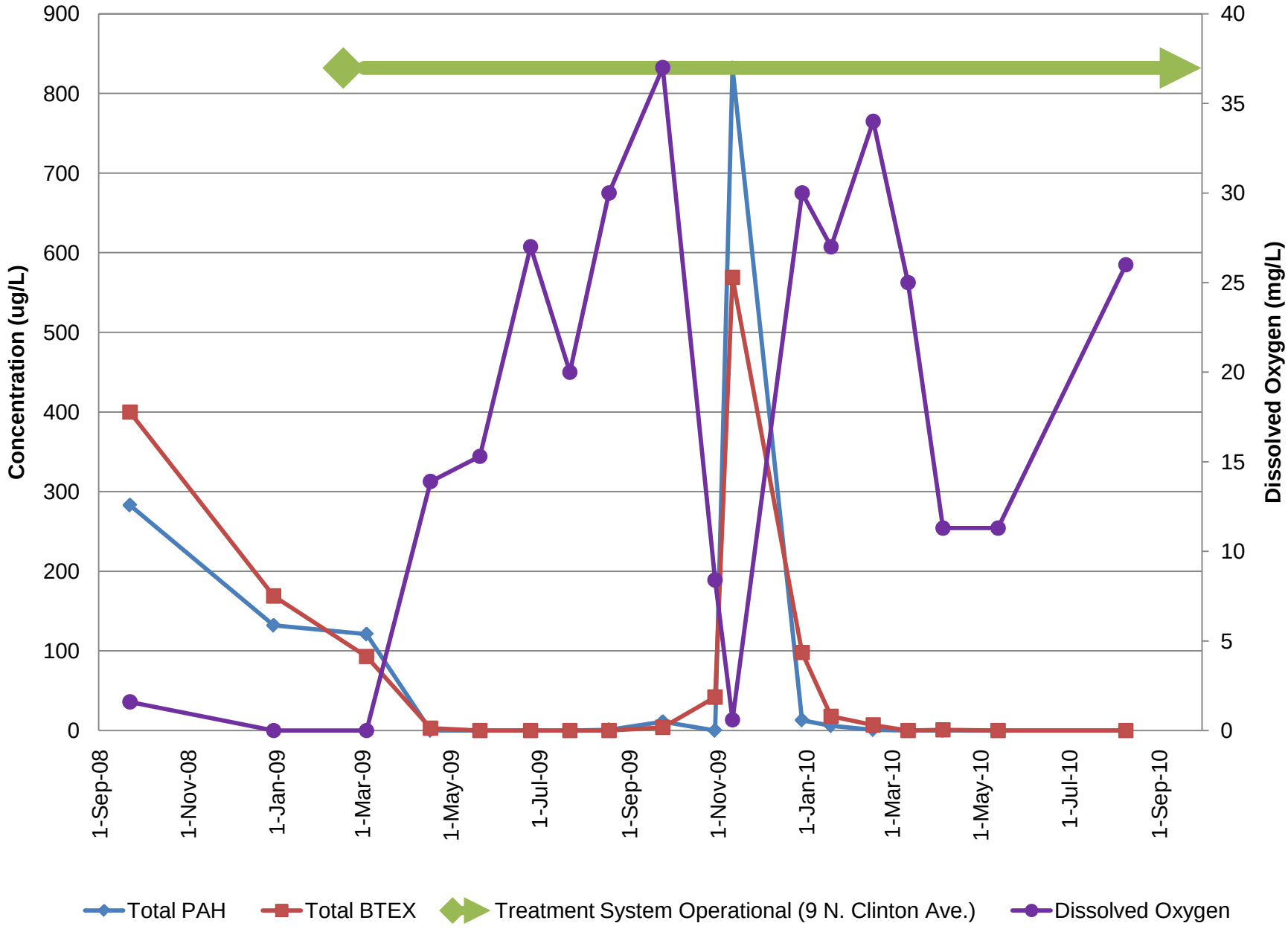
Monitoring Well OU2MW-27D
65-70 ft bgs



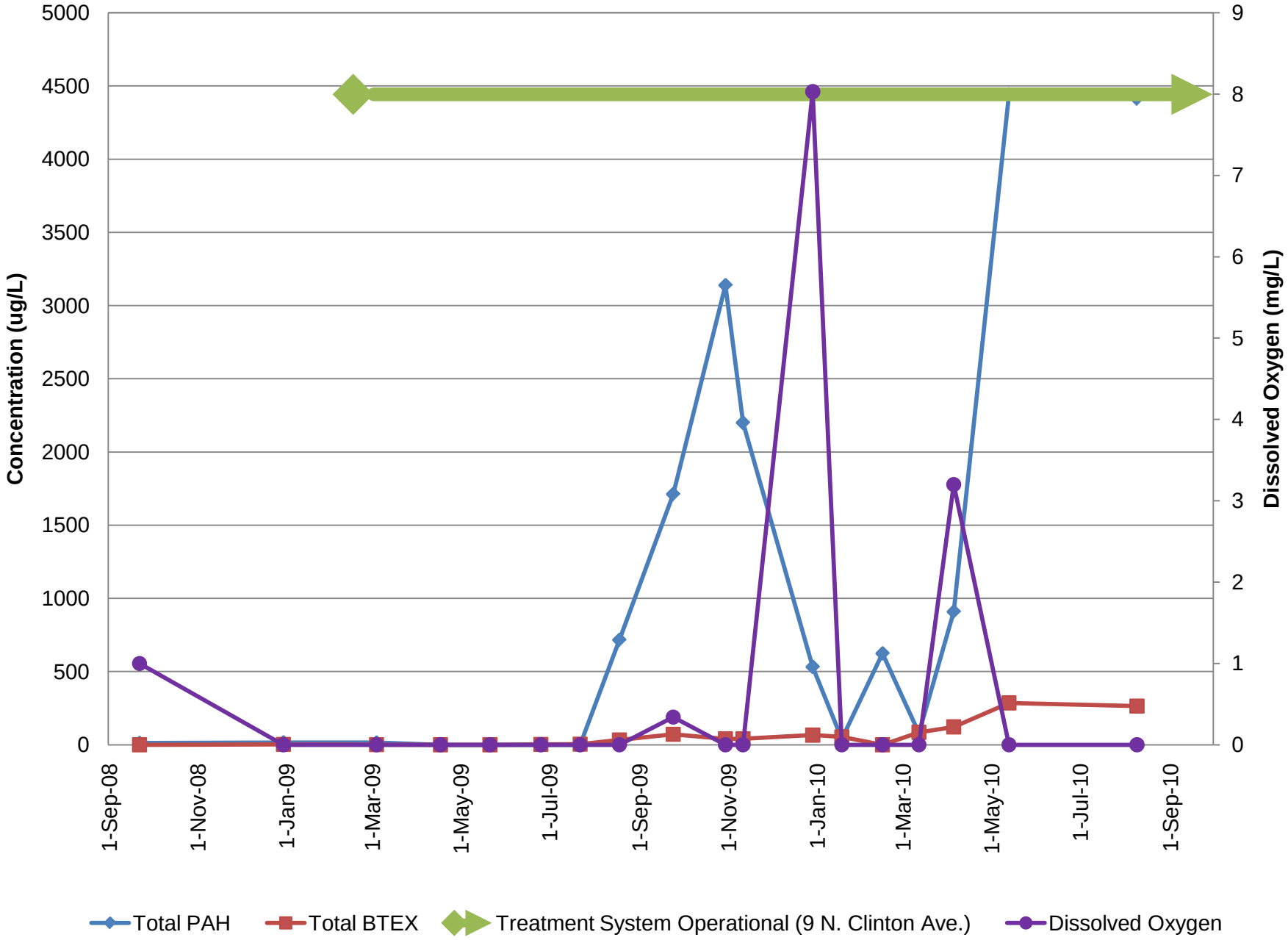
Monitoring Well OU2MW-28S
5-15 ft bgs



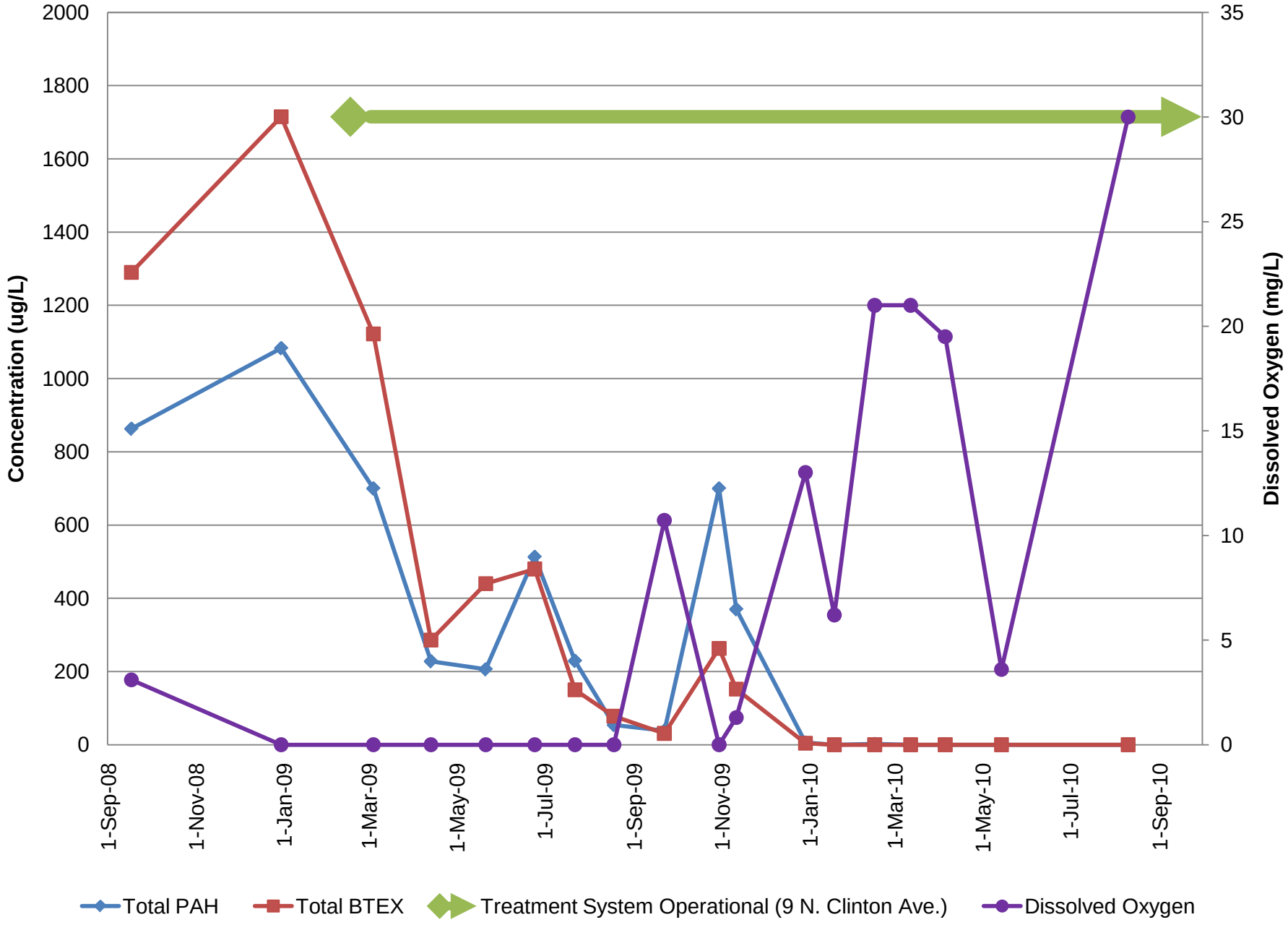
Monitoring Well OU2MW-28I
28-33 ft bgs



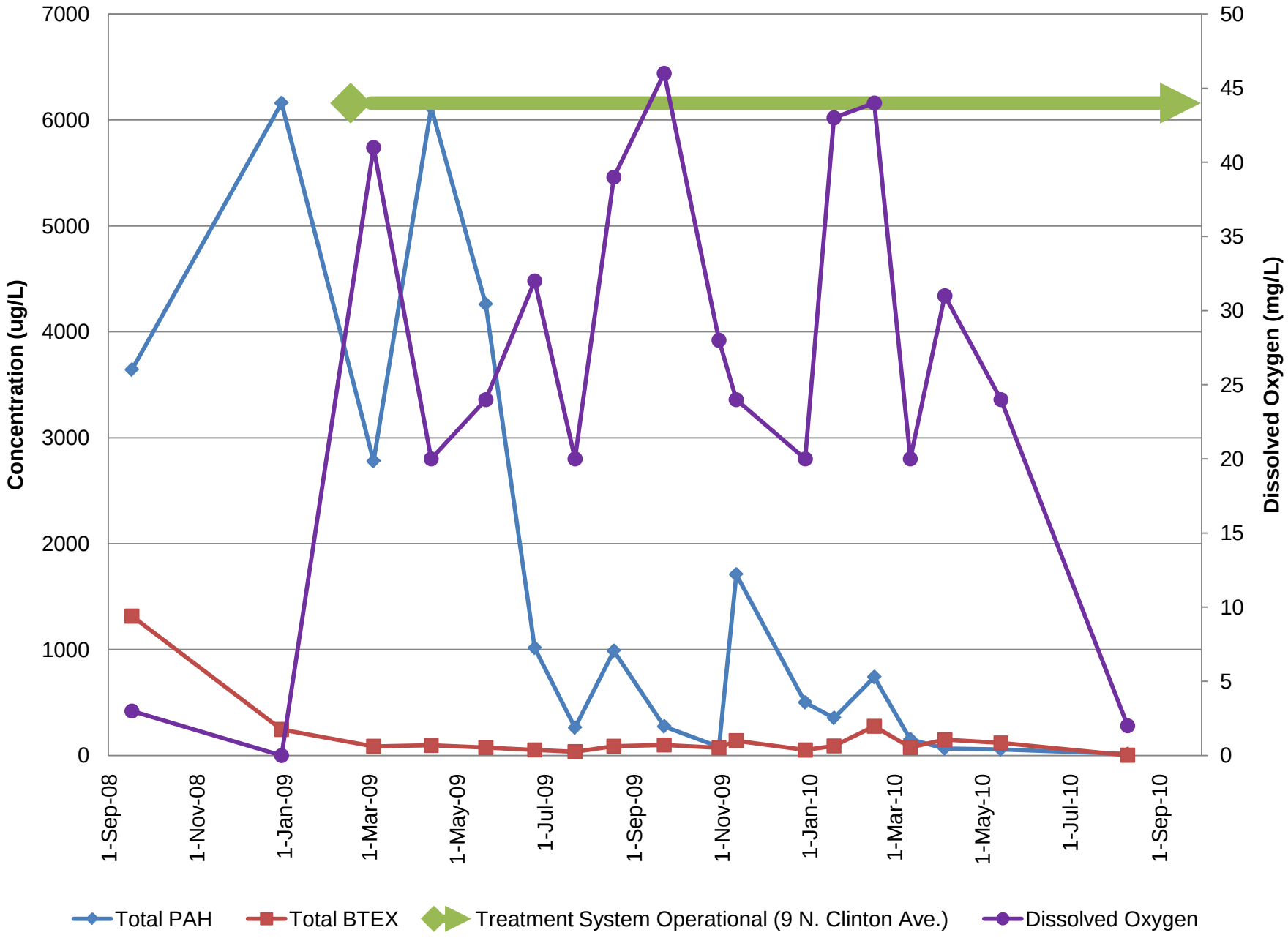
Monitoring Well OU2MW-28I2
40-45 ft bgs



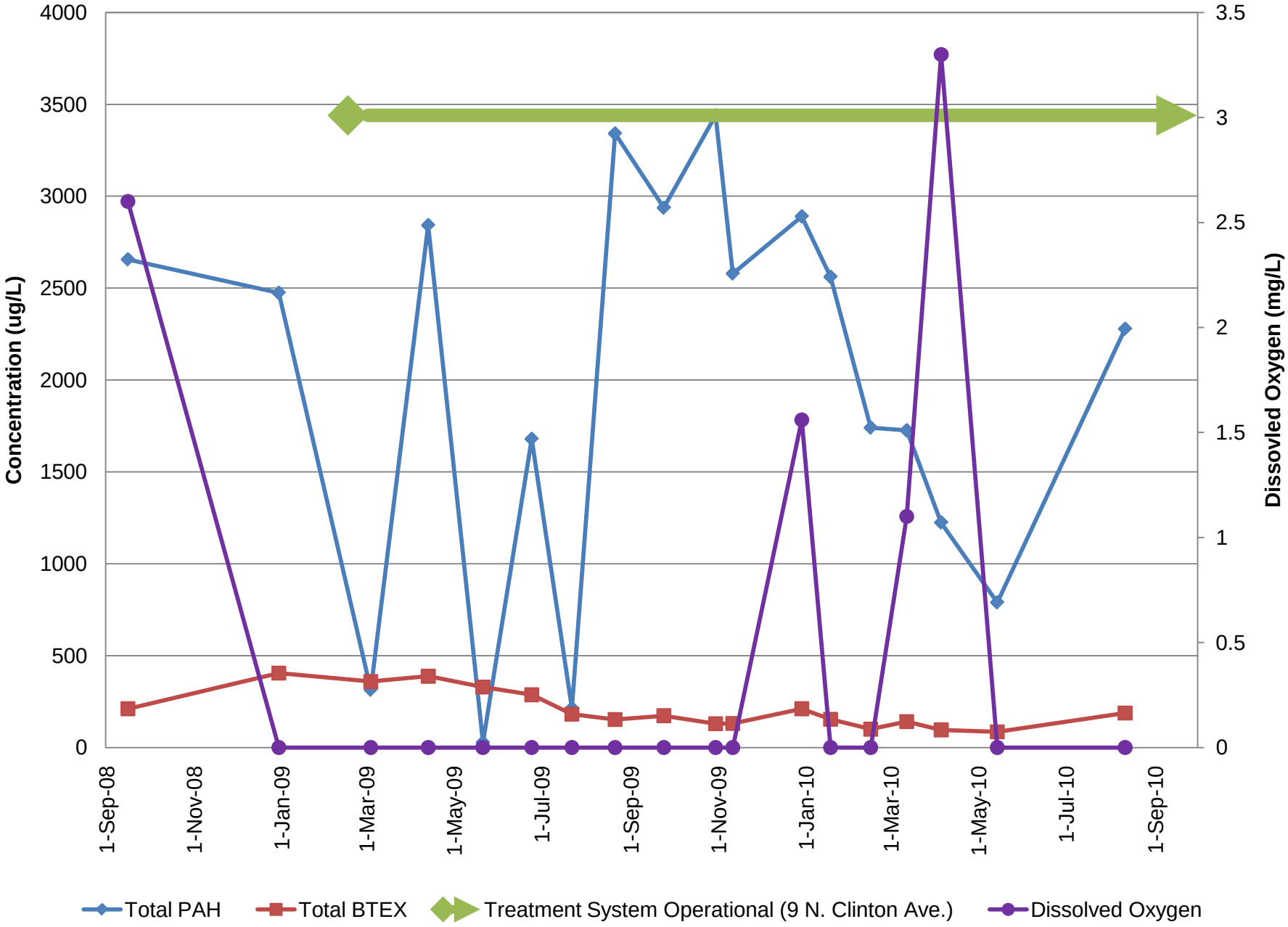
Monitoring Well OU2MW-29I
18-23 ft bgs



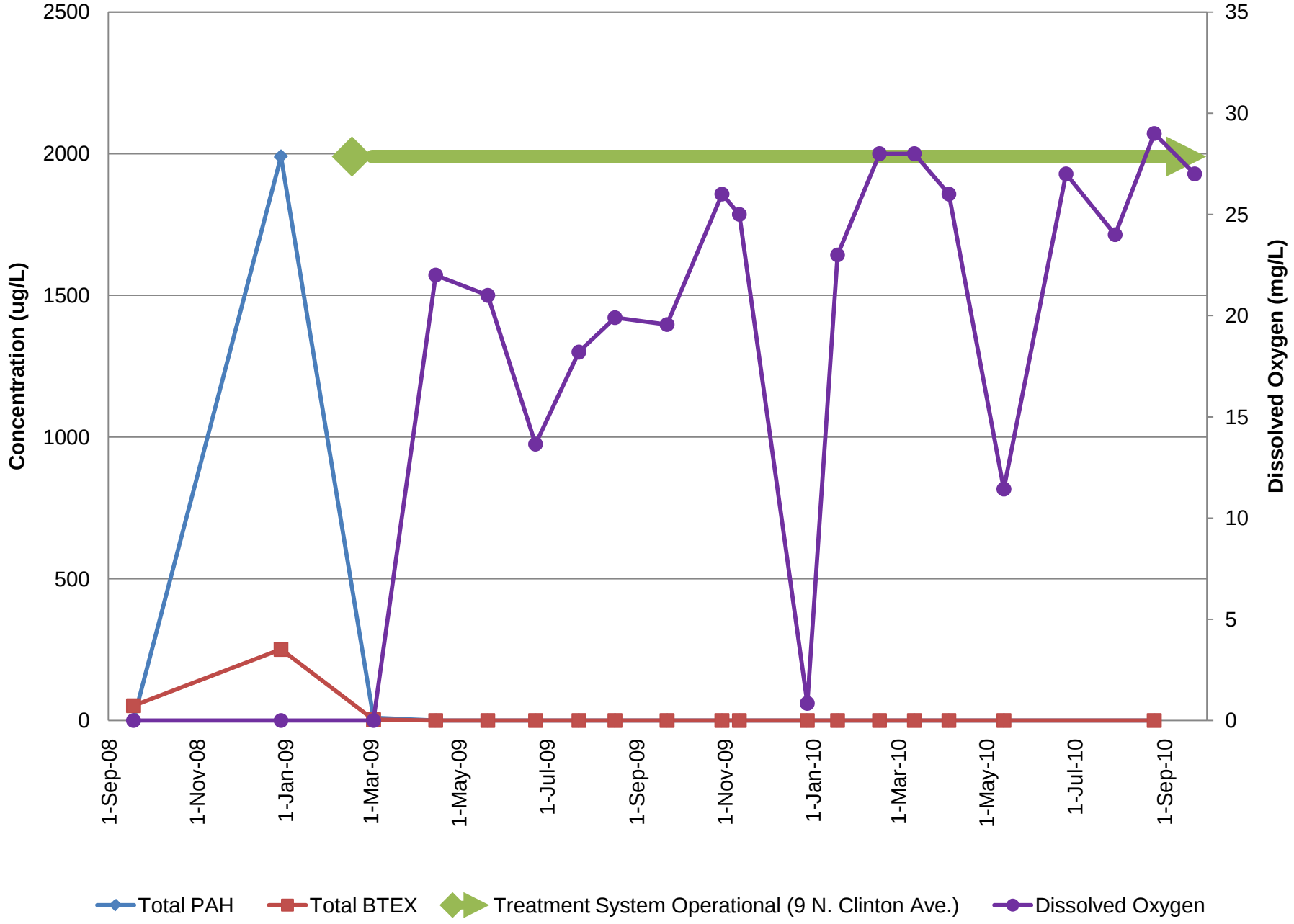
Monitoring Well OU2MW-29I2
30-35 ft bgs



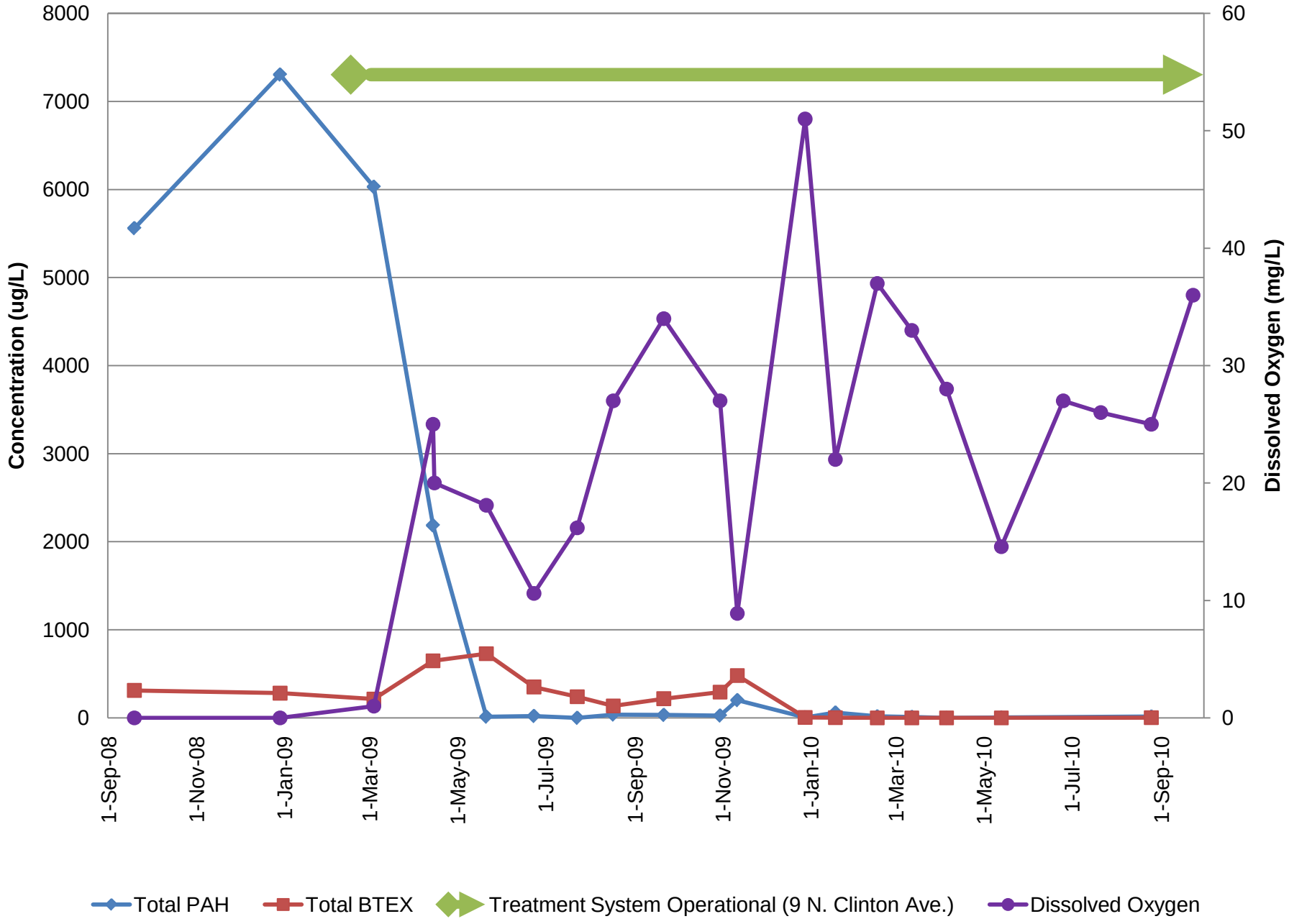
Monitoring Well OU2MW-29D
45-50 ft bgs



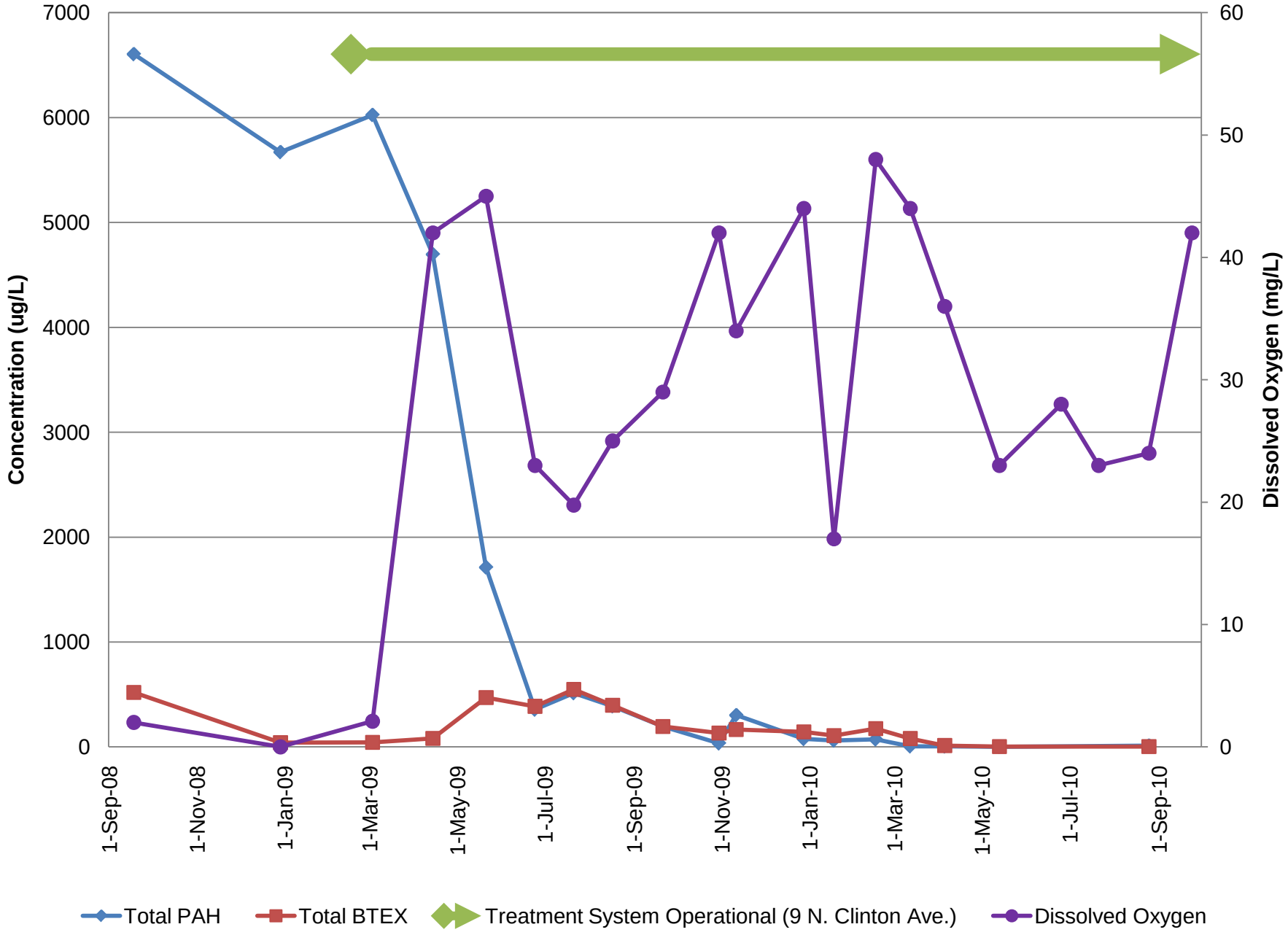
Monitoring Well OU2MW-30S
5-15 ft bgs



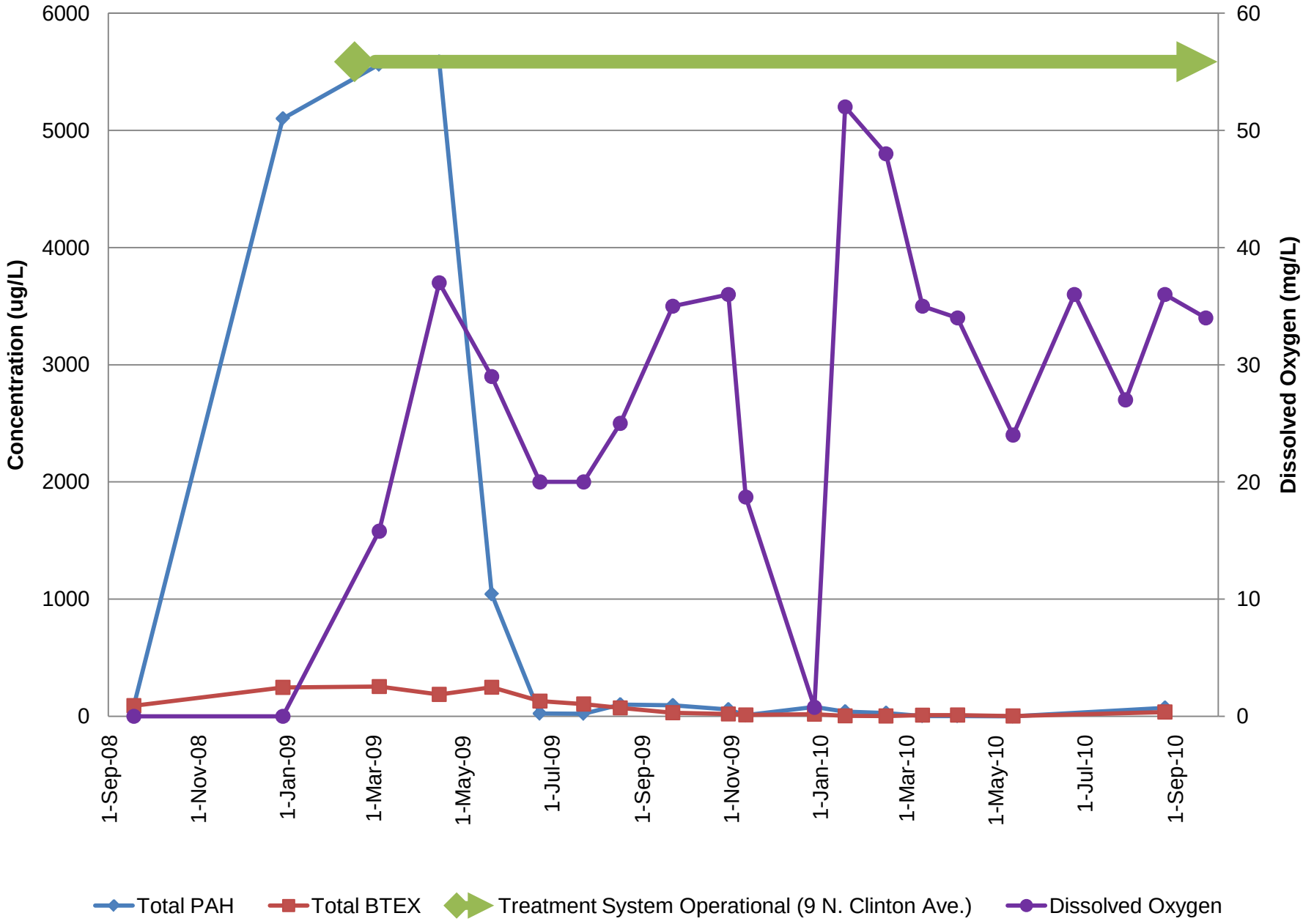
Monitoring Well OU2MW-30I
25-30 ft bgs



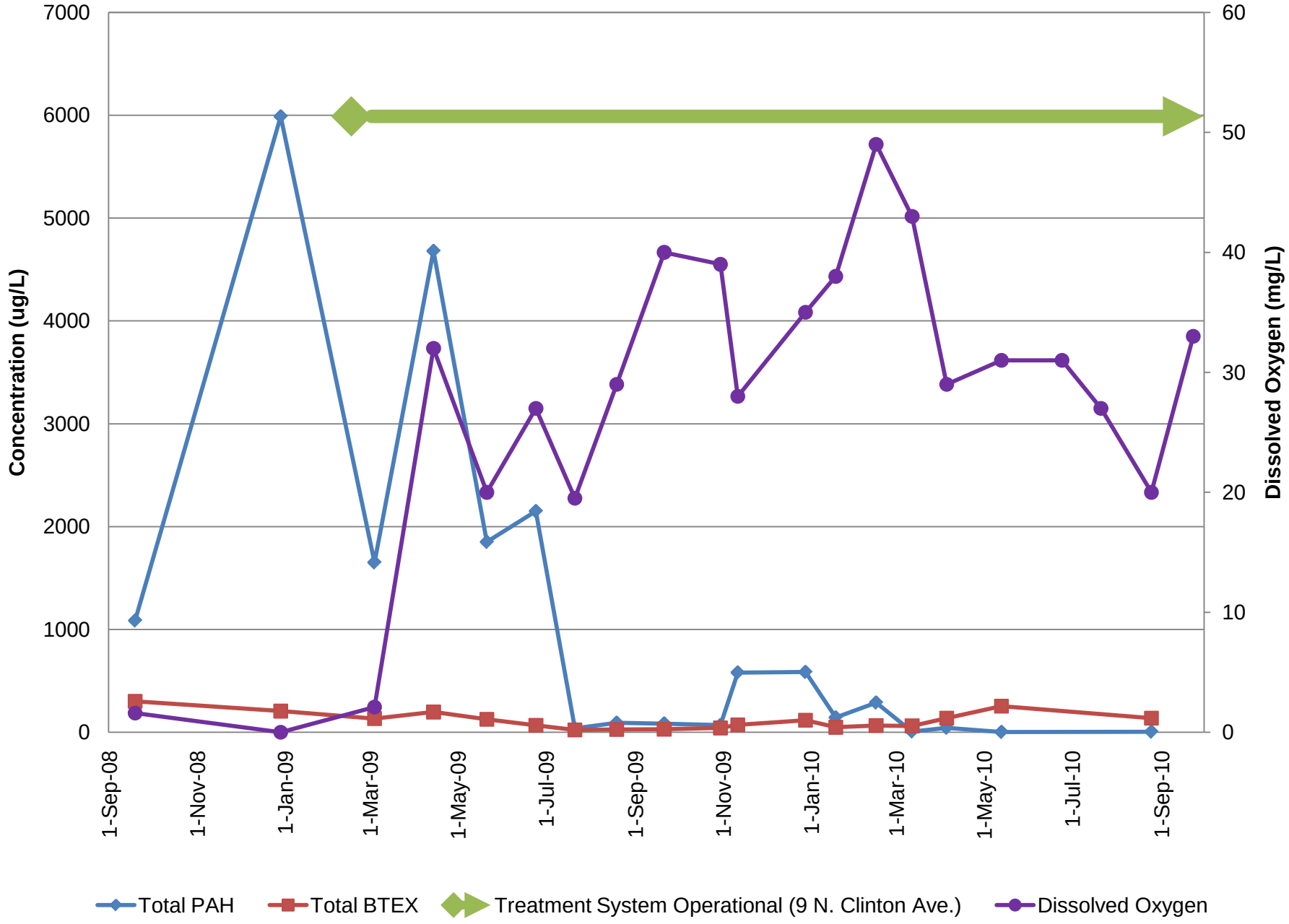
Monitoring Well OU2MW-30I2
30-35 ft bgs



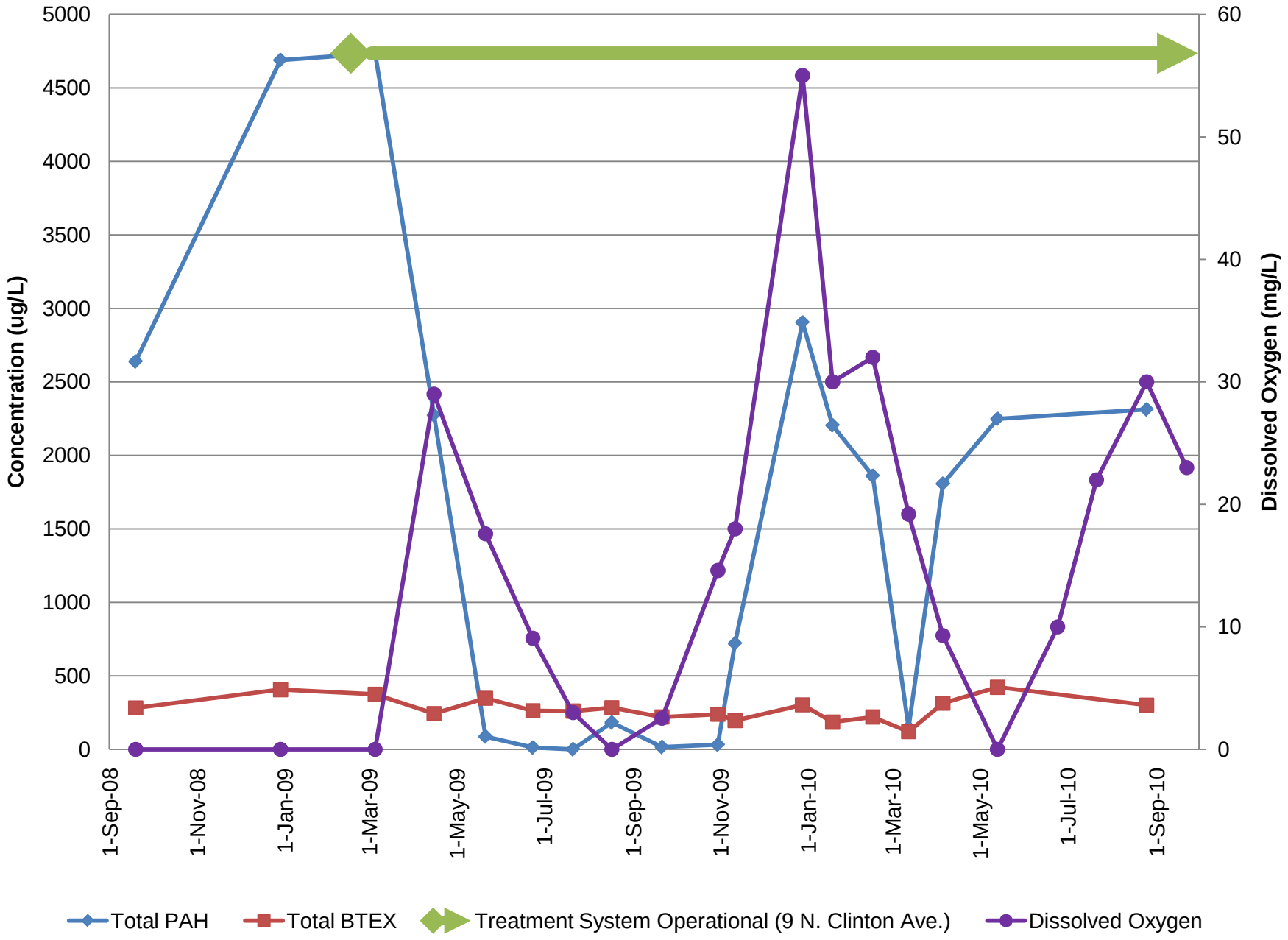
Monitoring Well OU2MW-30I3
45-50 ft bgs



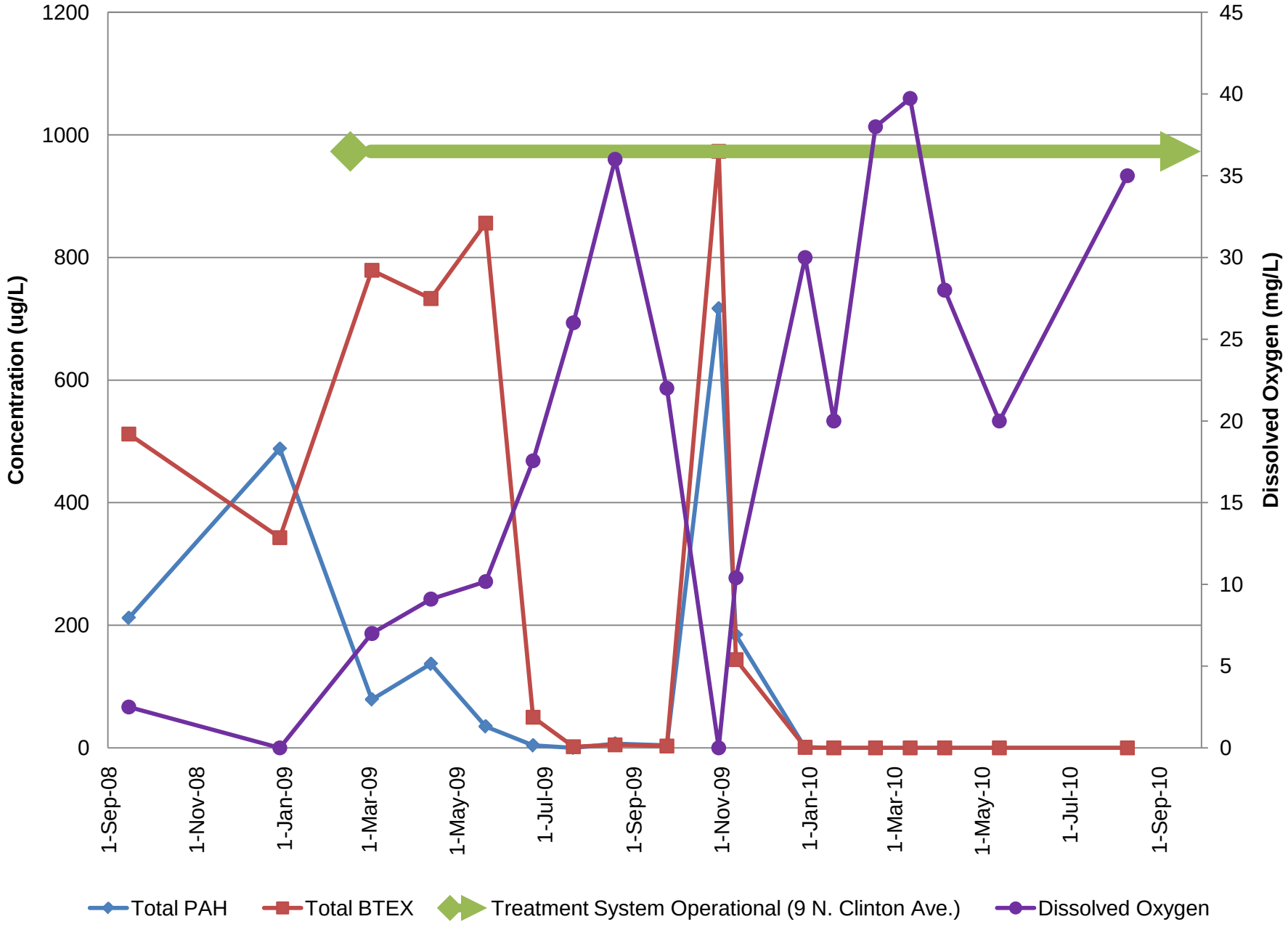
Monitoring Well OU2MW-30D
50-55 ft bgs



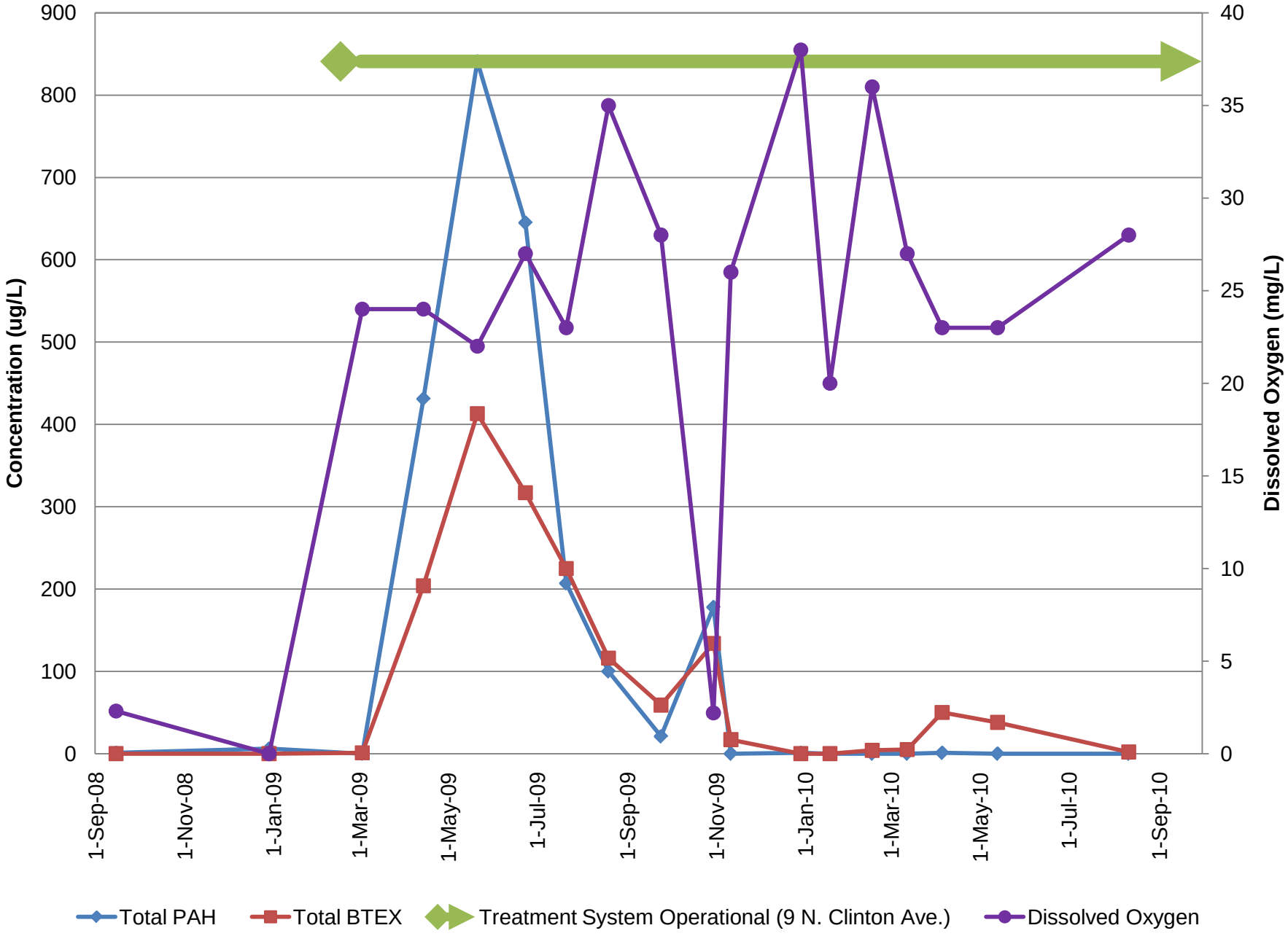
Monitoring Well OU2MW-30D2
60-65 ft bgs



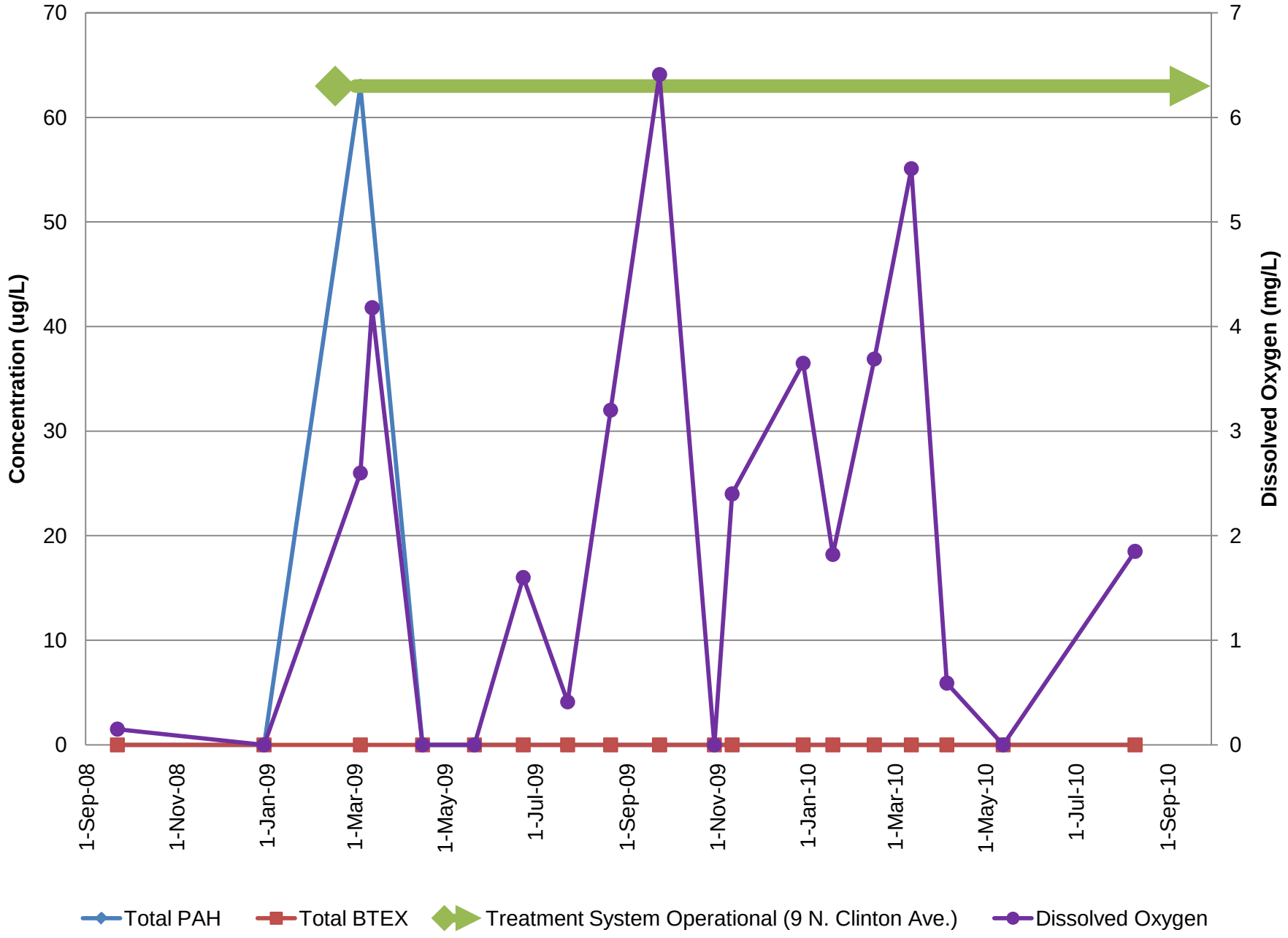
Monitoring Well OU2MW-31I
18-23 ft bgs



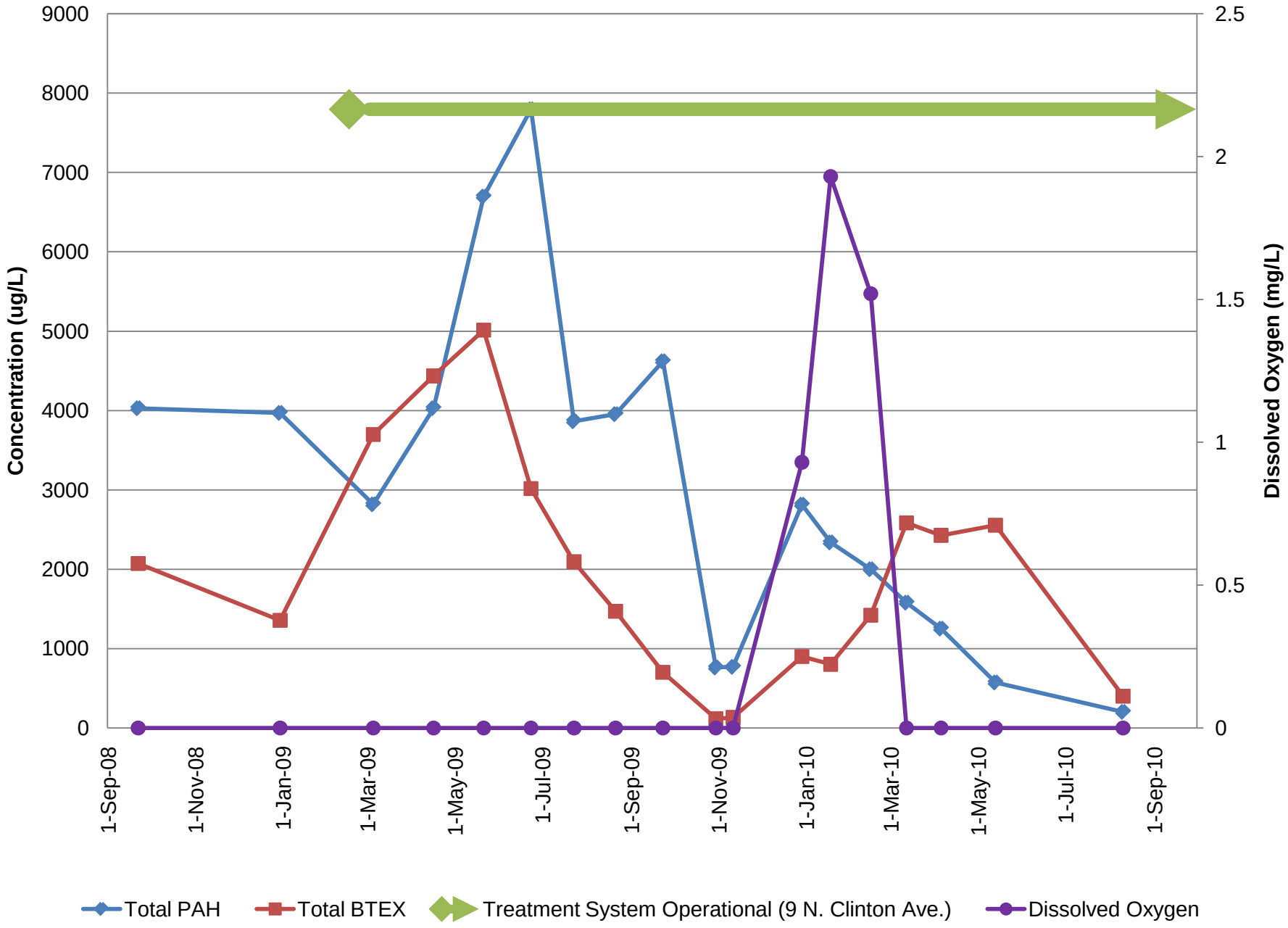
Monitoring Well OU2MW-31I2
30-35 ft bgs



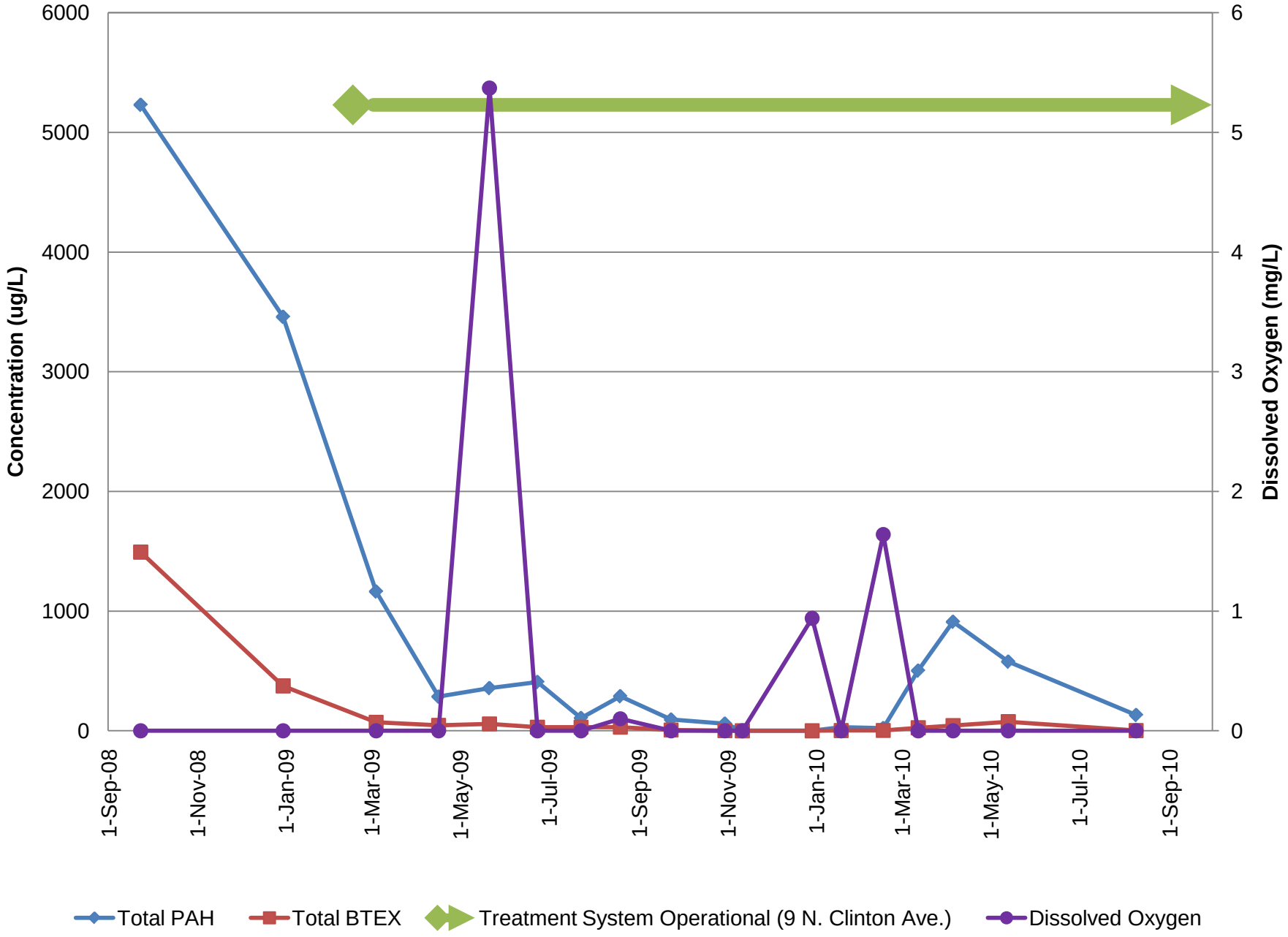
Monitoring Well OU2MW-32S
5-15 ft bgs



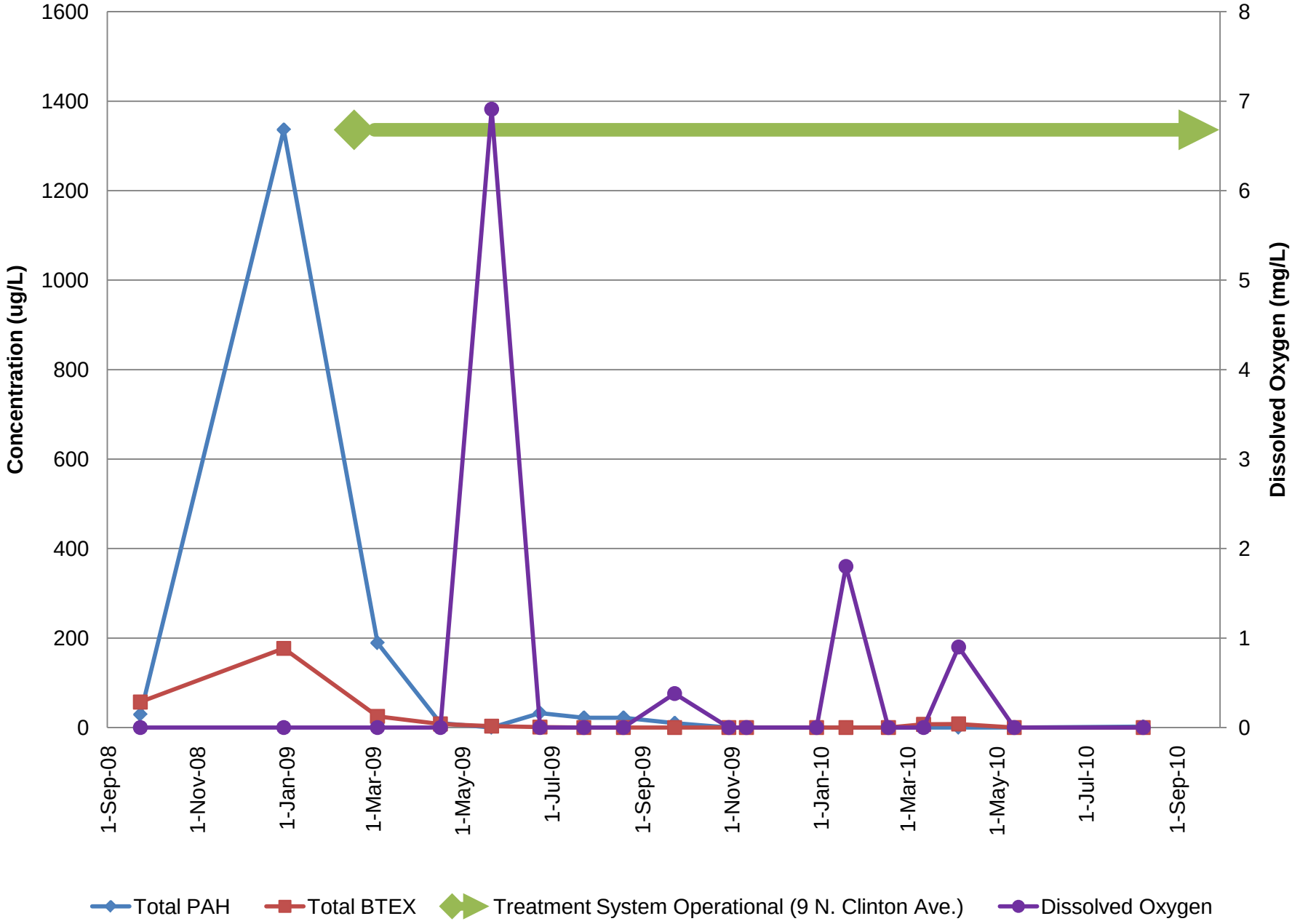
Monitoring Well OU2MW-32I
20-25 ft bgs



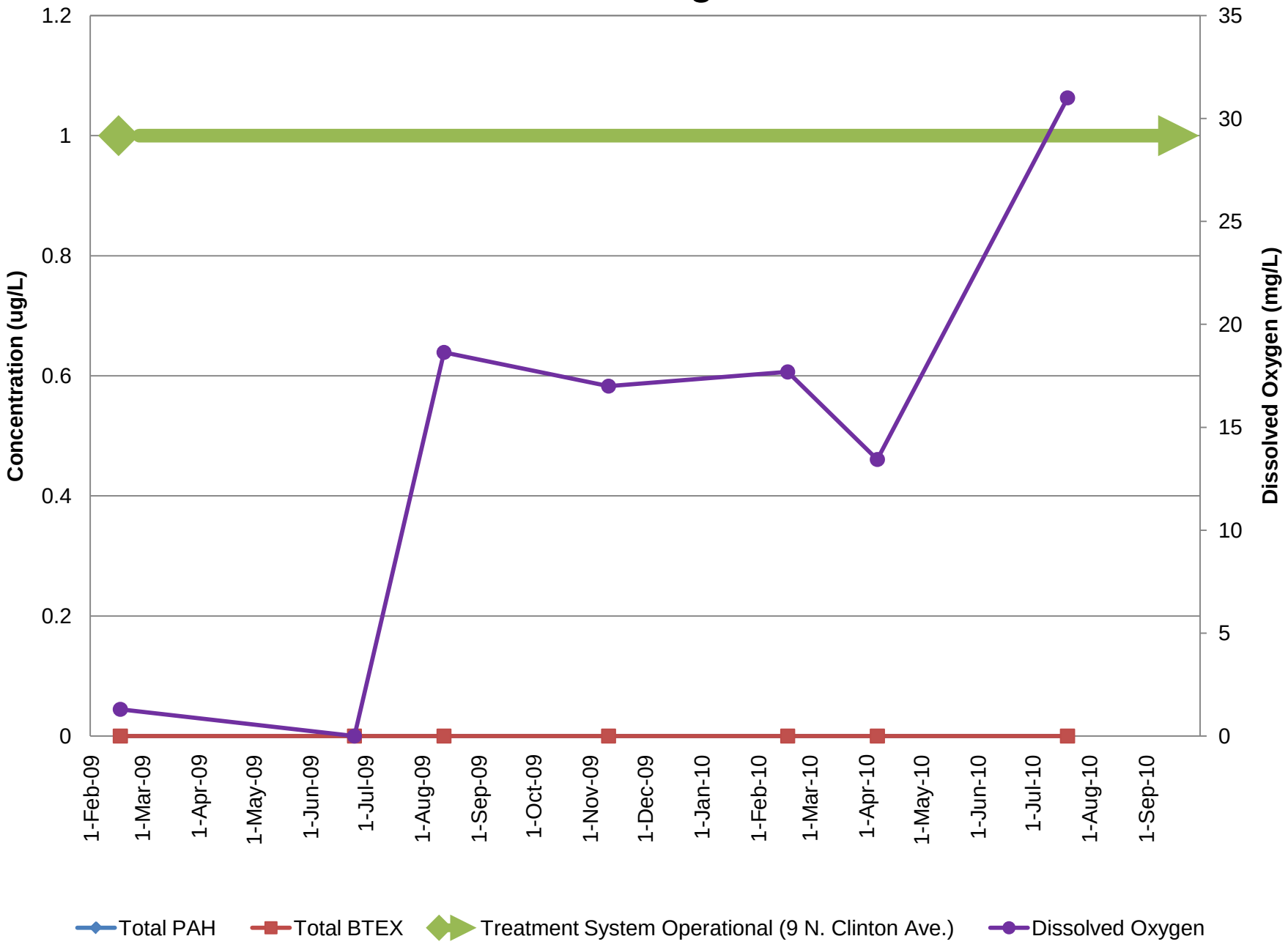
Monitoring Well OU2MW-32I2
30-35 ft bgs



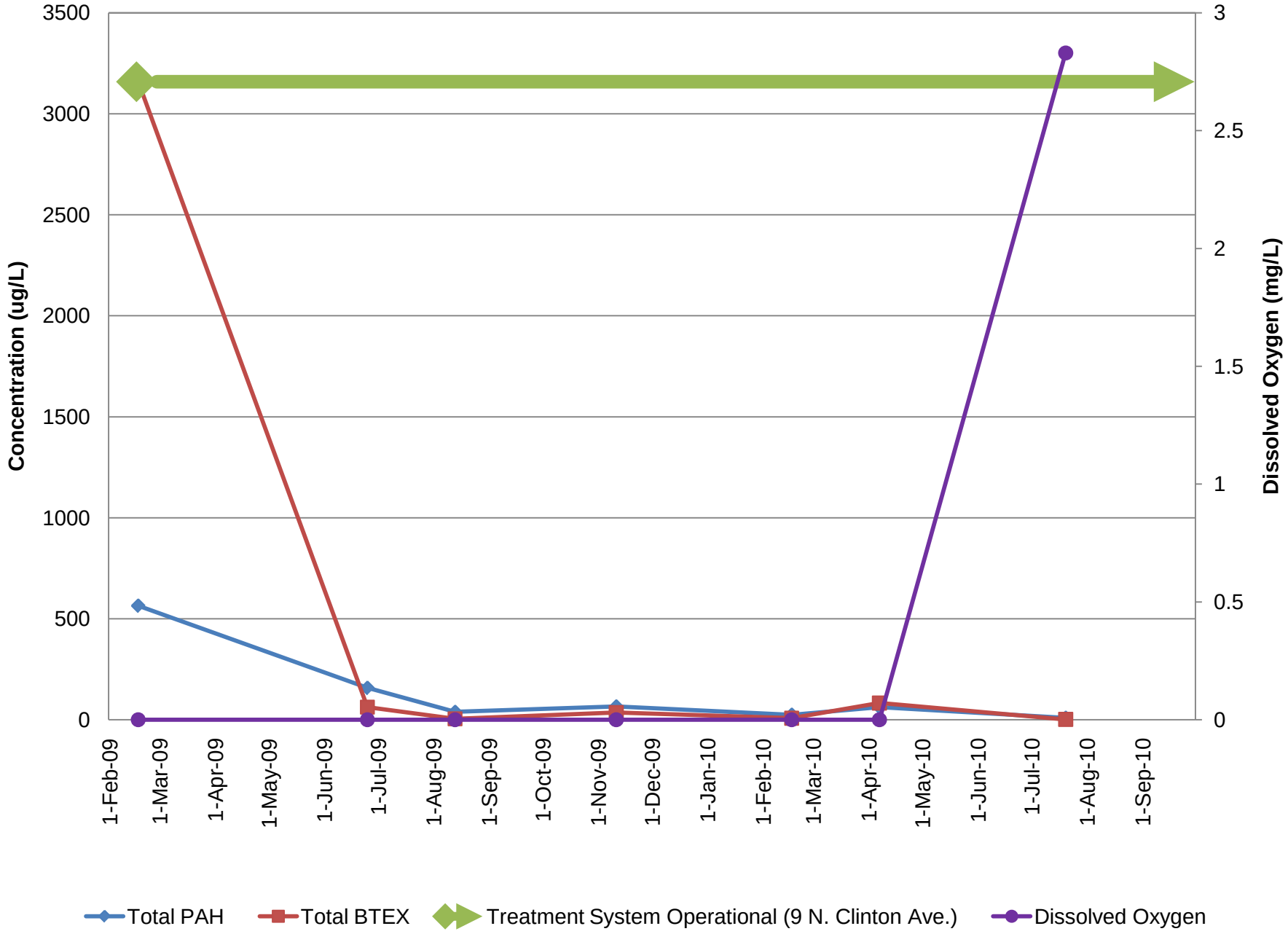
Monitoring Well OU2MW-32D
40-45 ft bgs



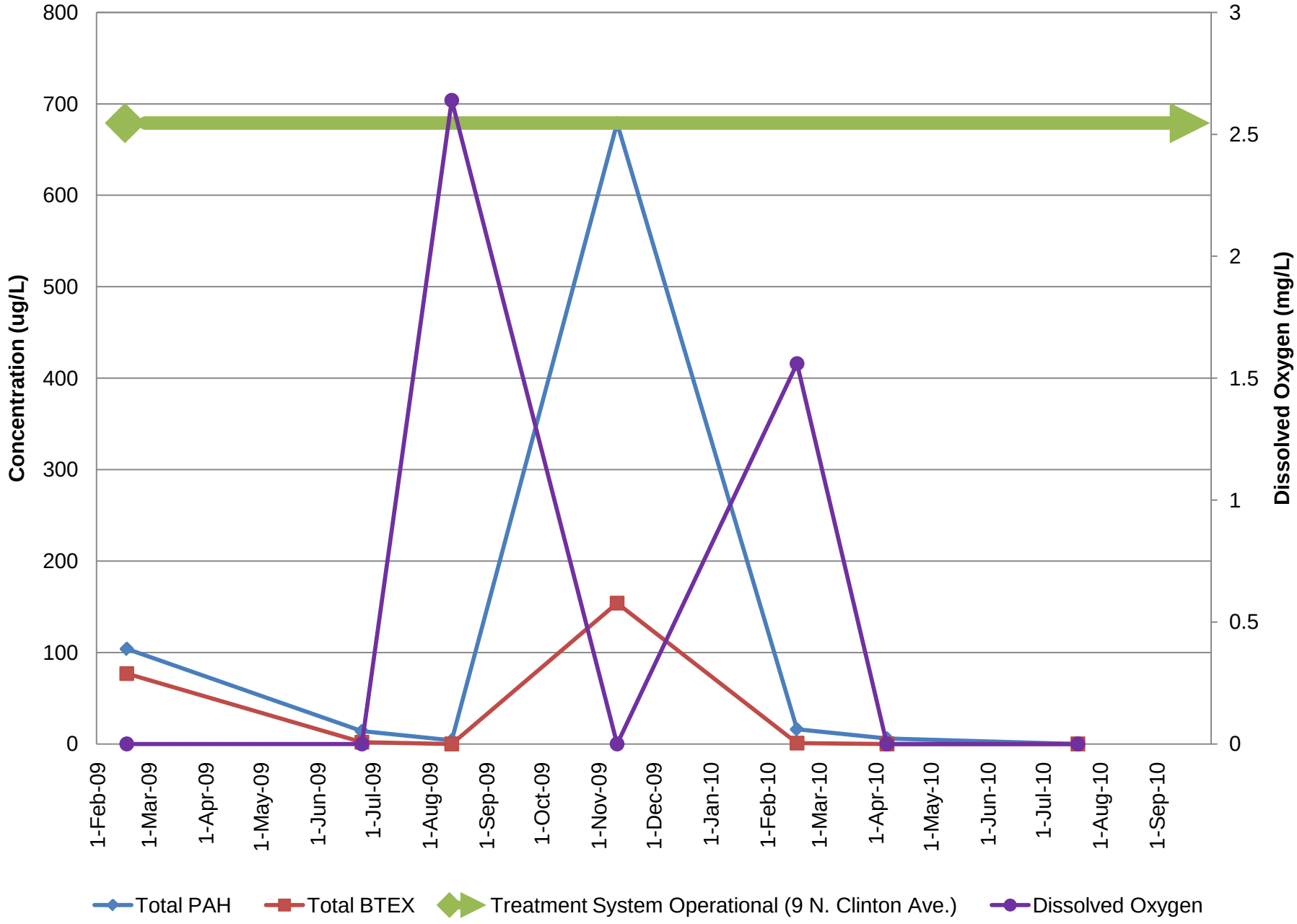
Monitoring Well OU2MW-33S
5-15 ft bgs



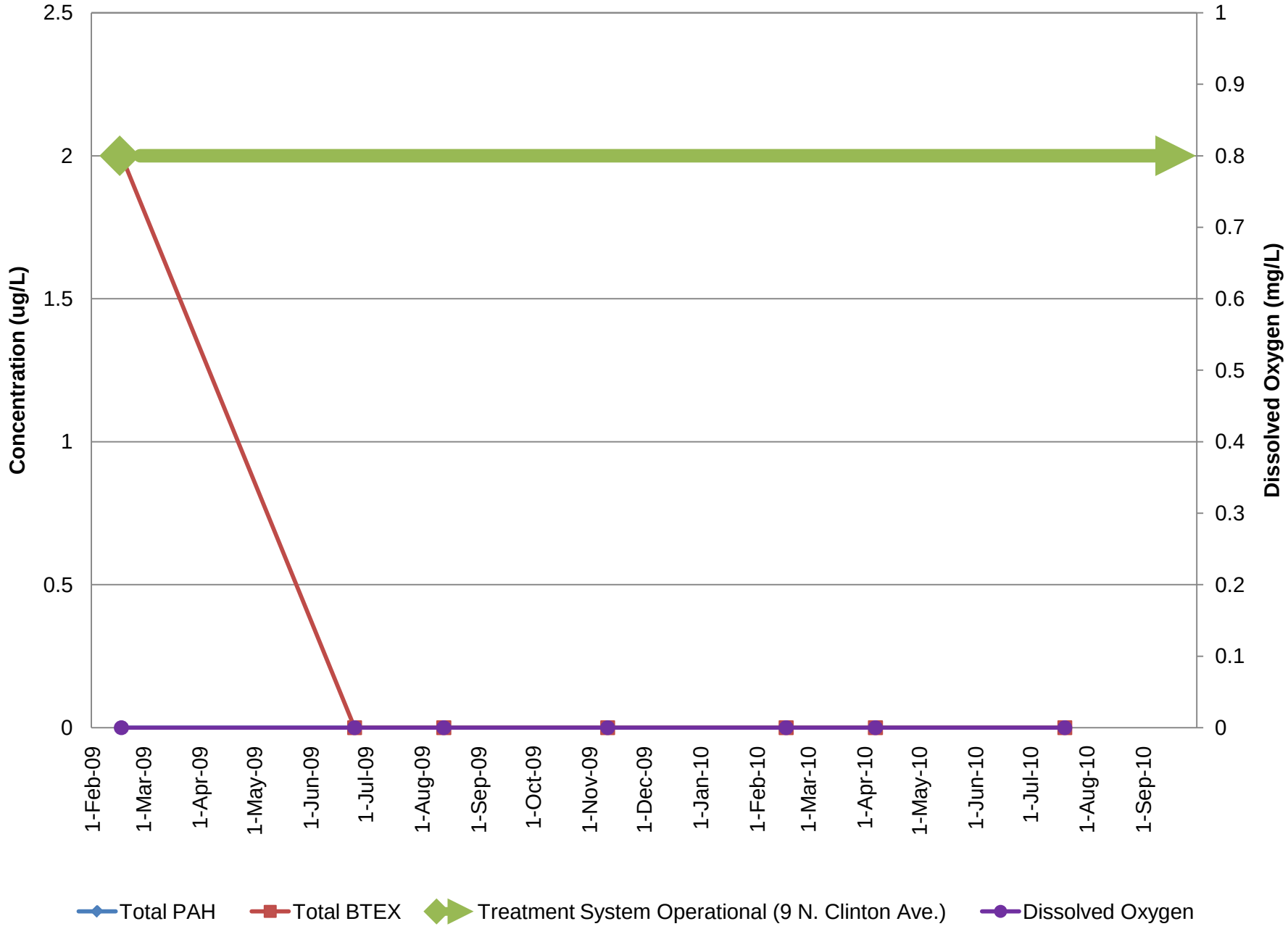
Monitoring Well OU2MW-33I
25-30 ft bgs



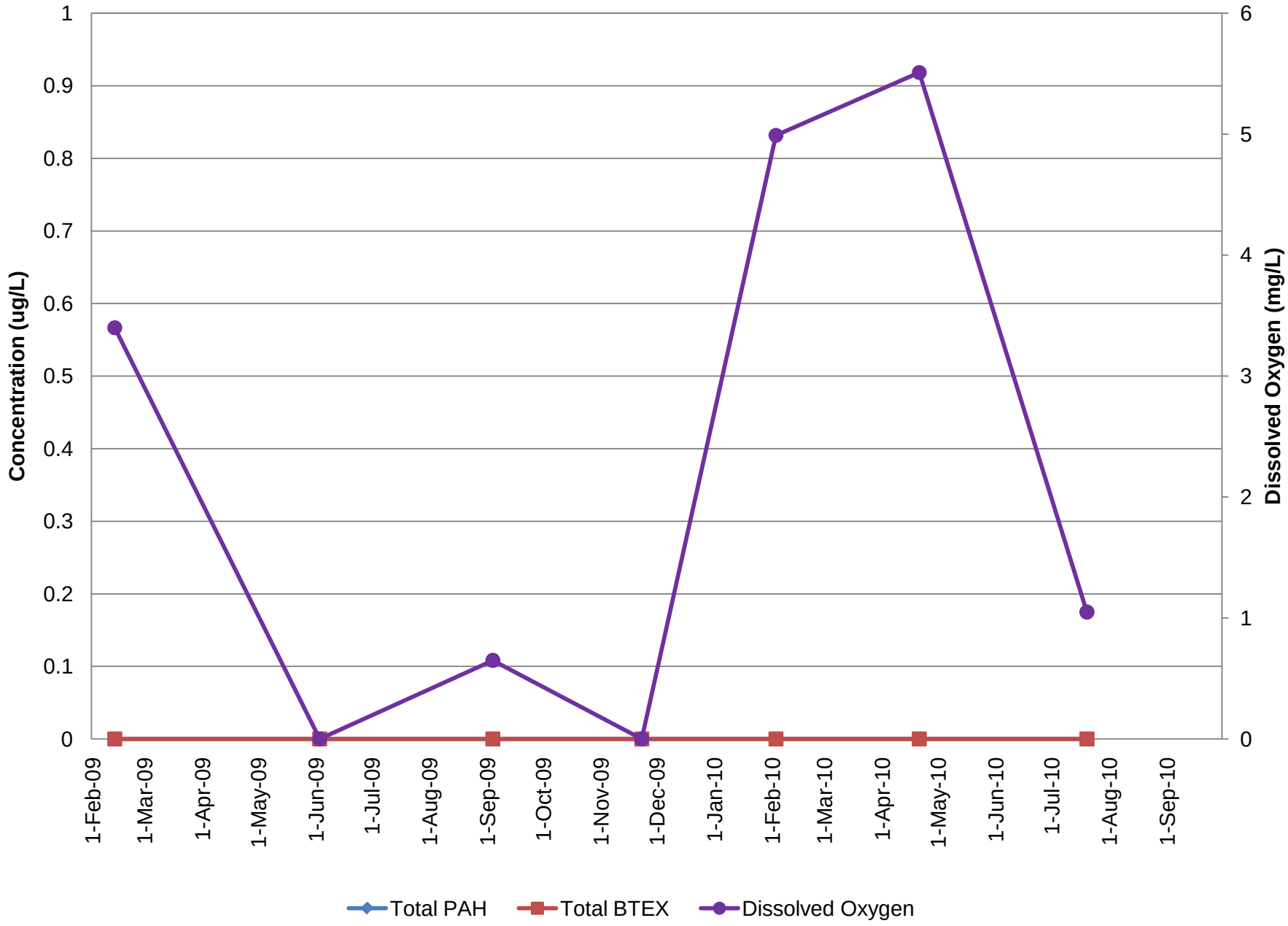
Monitoring Well OU2MW-33I2
35-40 ft bgs



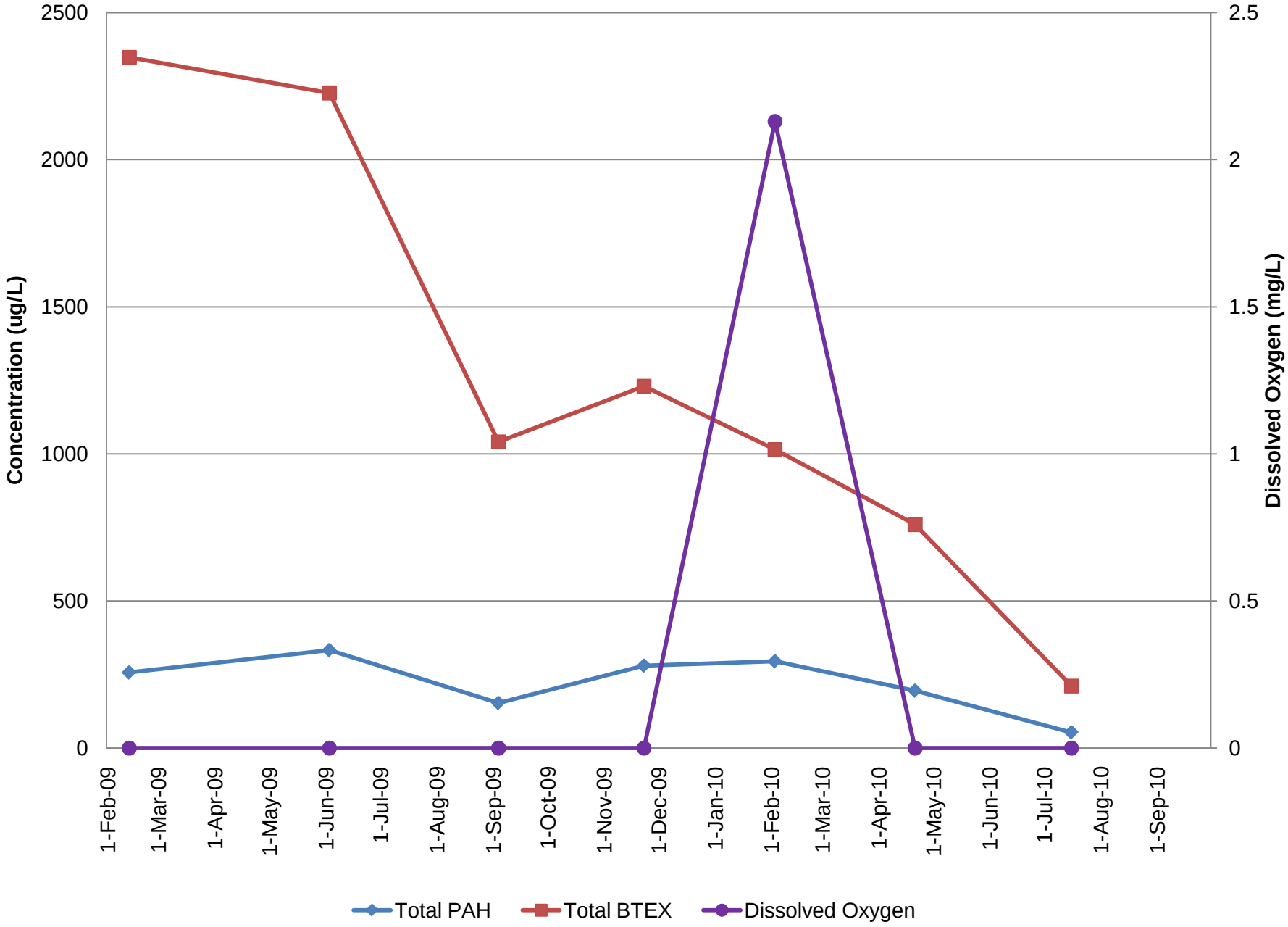
Monitoring Well OU2MW-33D
40-45 ft bgs



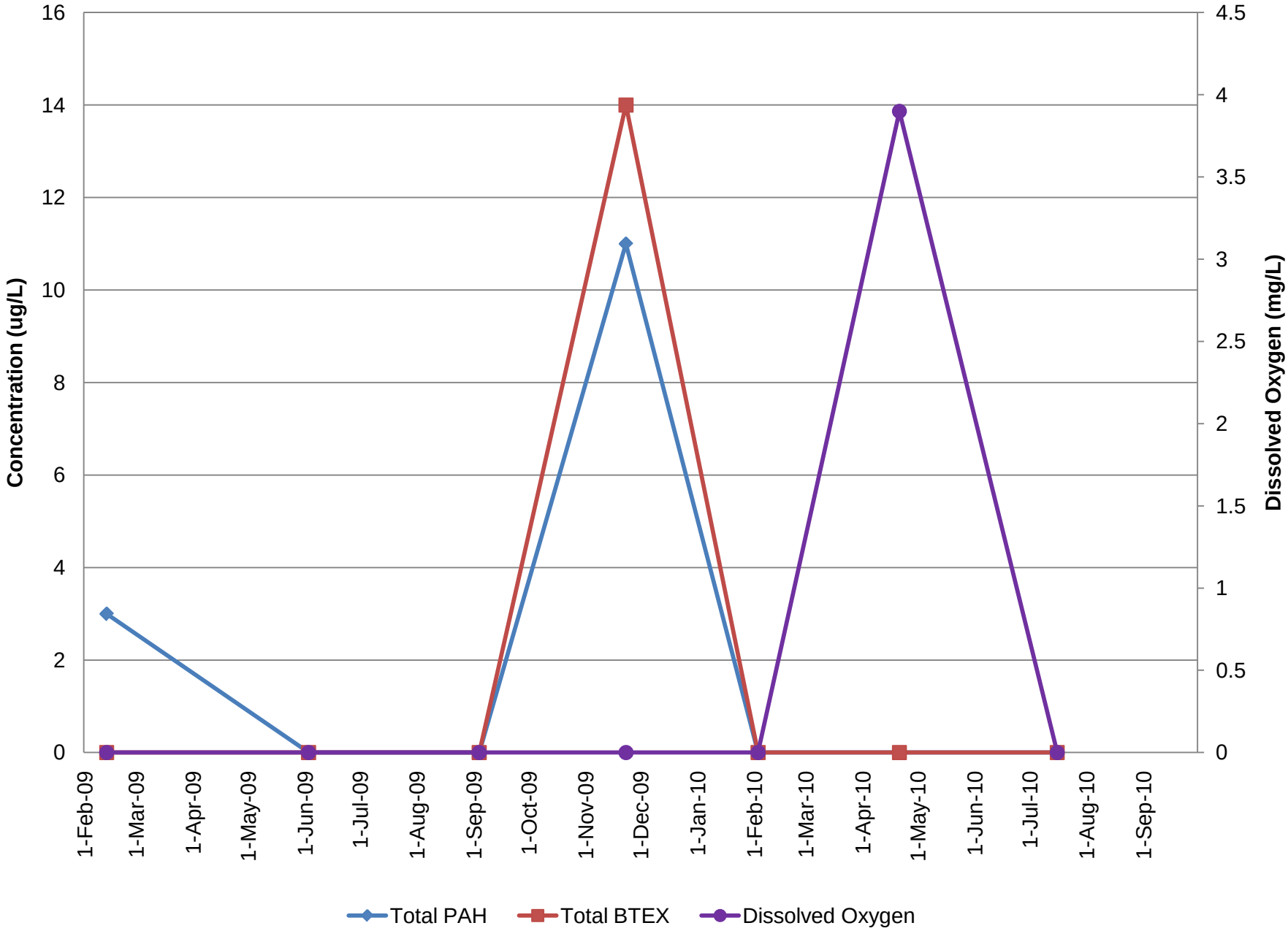
Monitoring Well OU2MW-34S
5-15 ft bgs



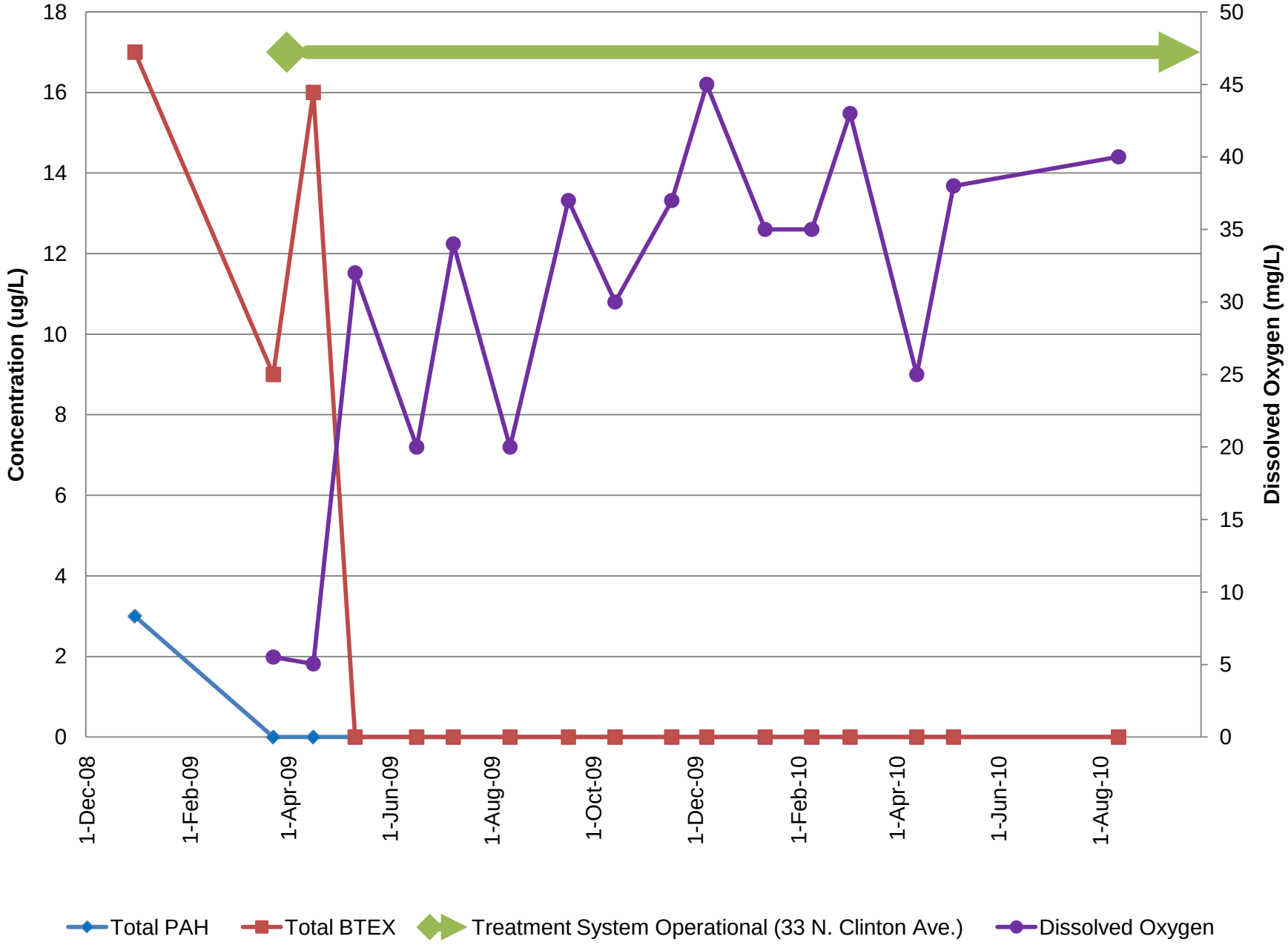
Monitoring Well OU2MW-34I
25-30 ft bgs



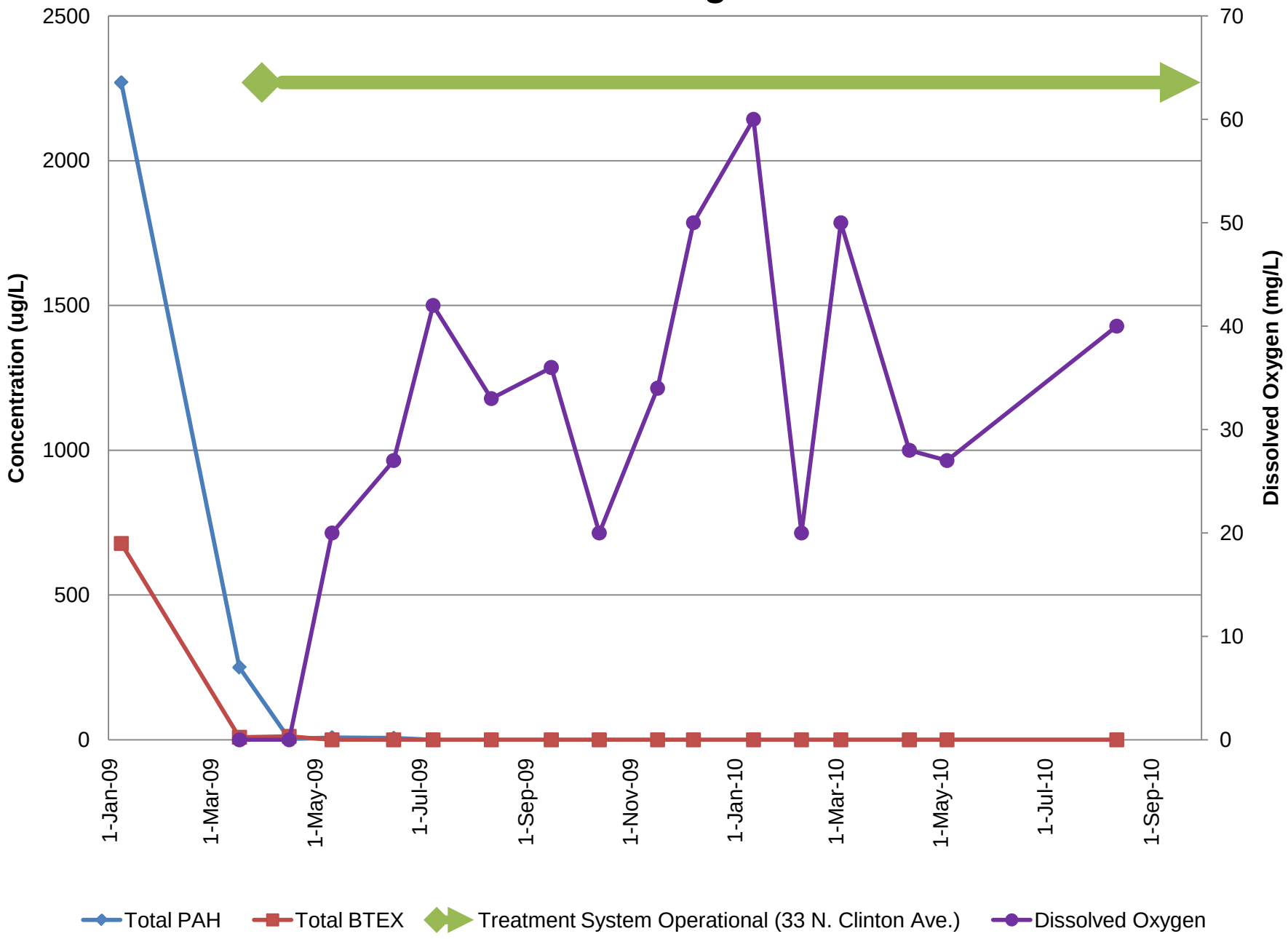
Monitoring Well OU2MW-34I2
45-50 ft bgs



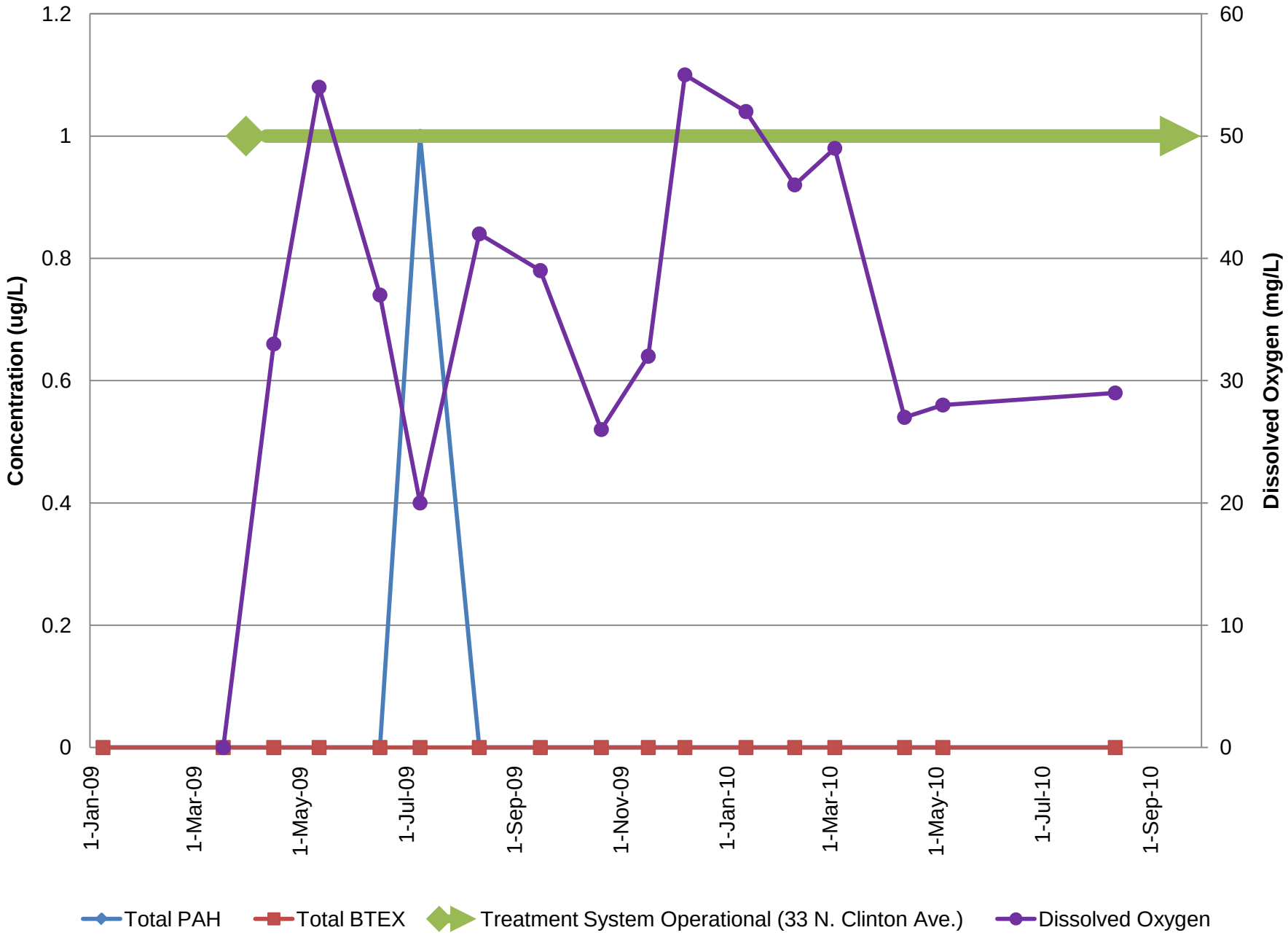
Monitoring Well OU2MW-35S
5-15 ft bgs



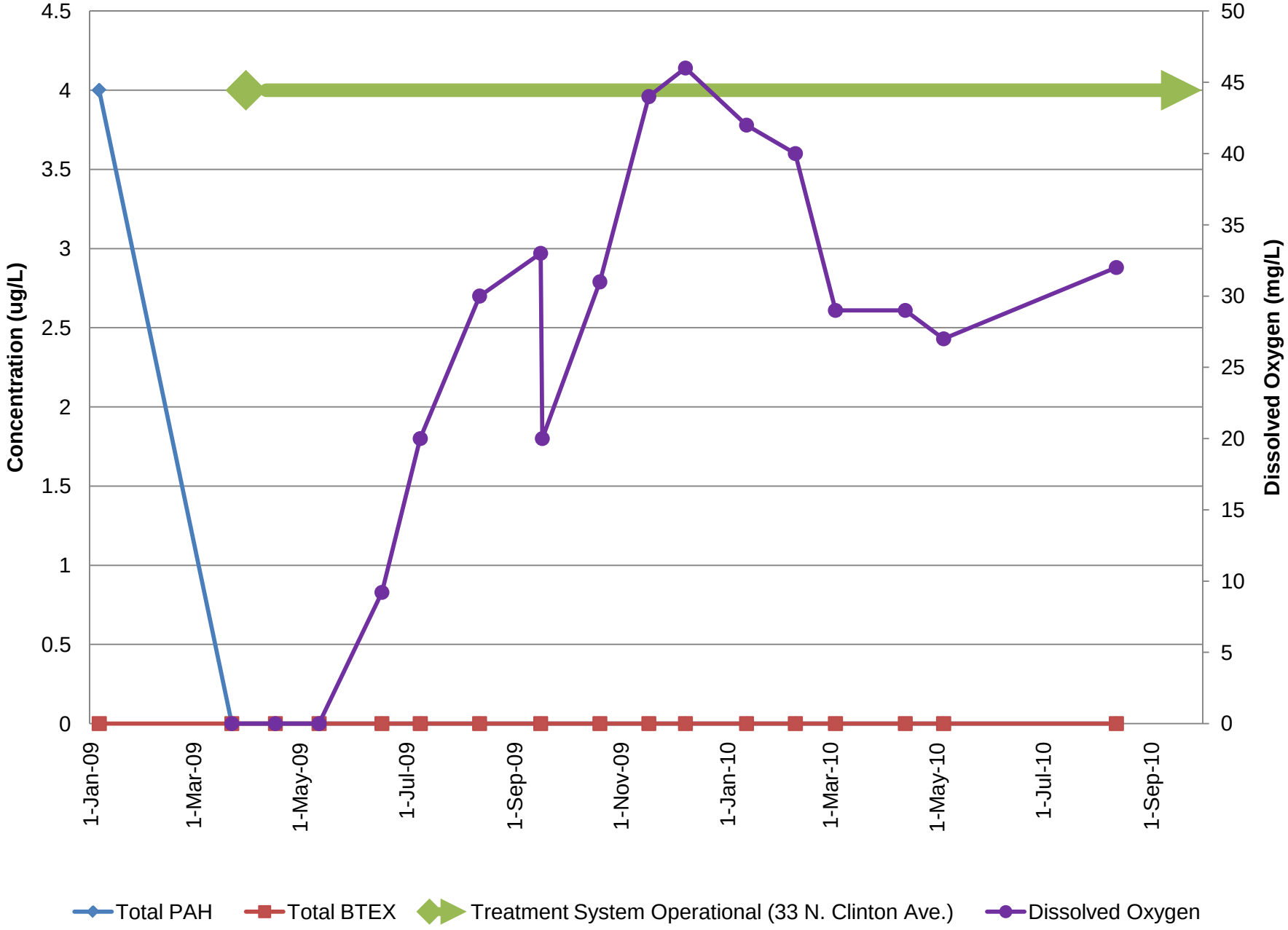
Monitoring Well OU2MW-35I
25-30 ft bgs



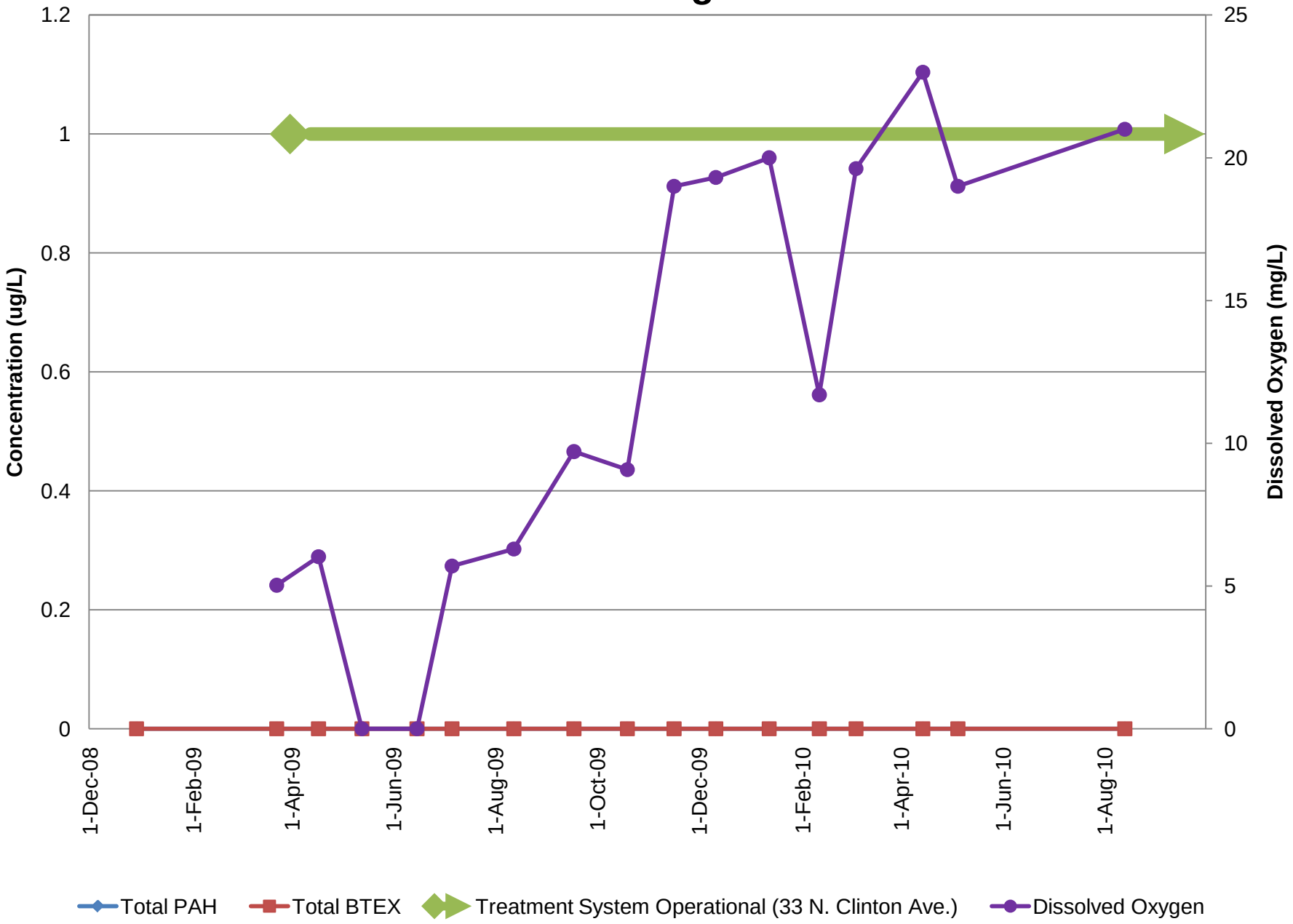
Monitoring Well OU2MW-35I2
45-50 ft bgs



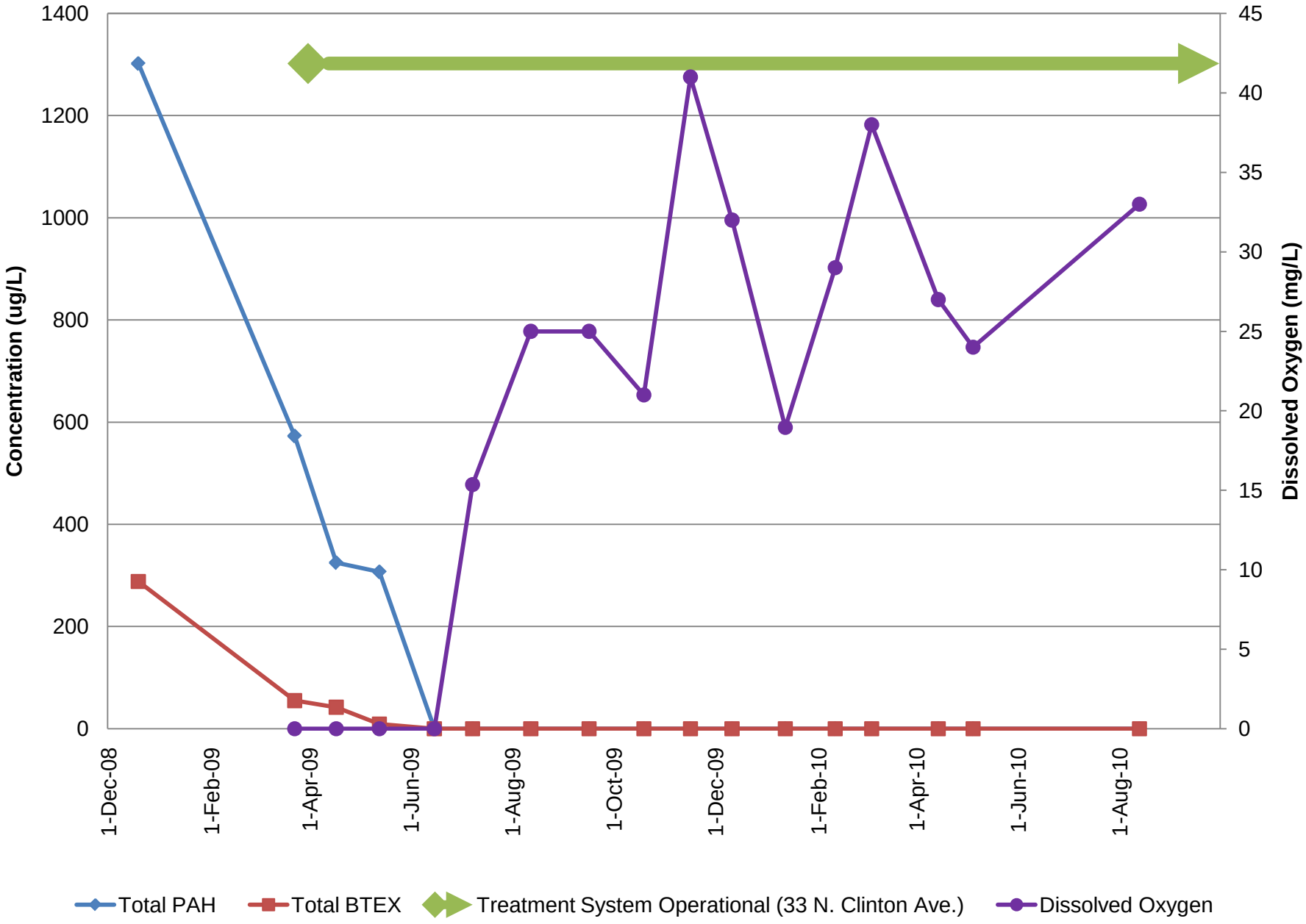
Monitoring Well OU2MW-35D
57-62 ft bgs



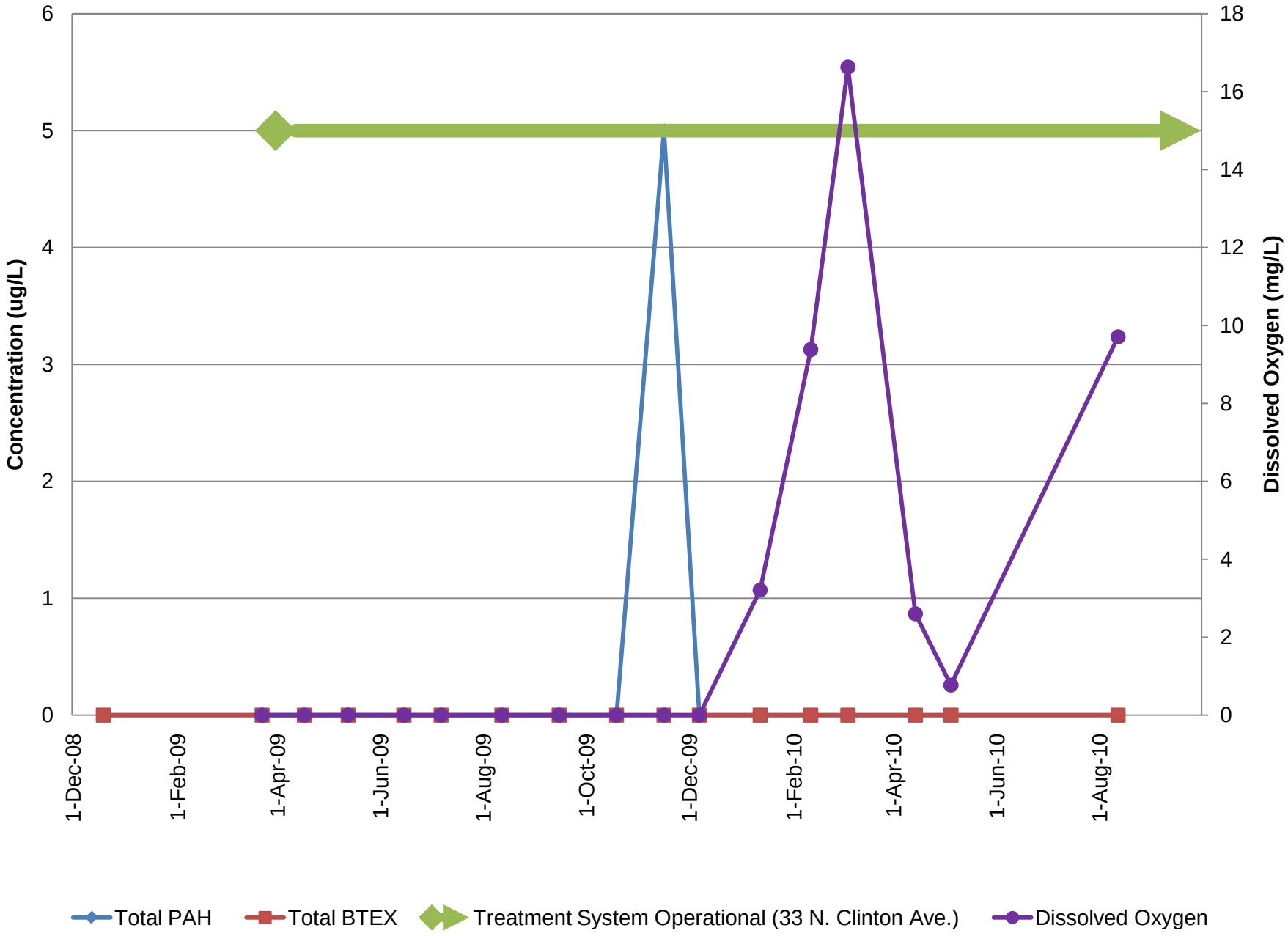
Monitoring Well OU2MW-36S
5-15 ft bgs



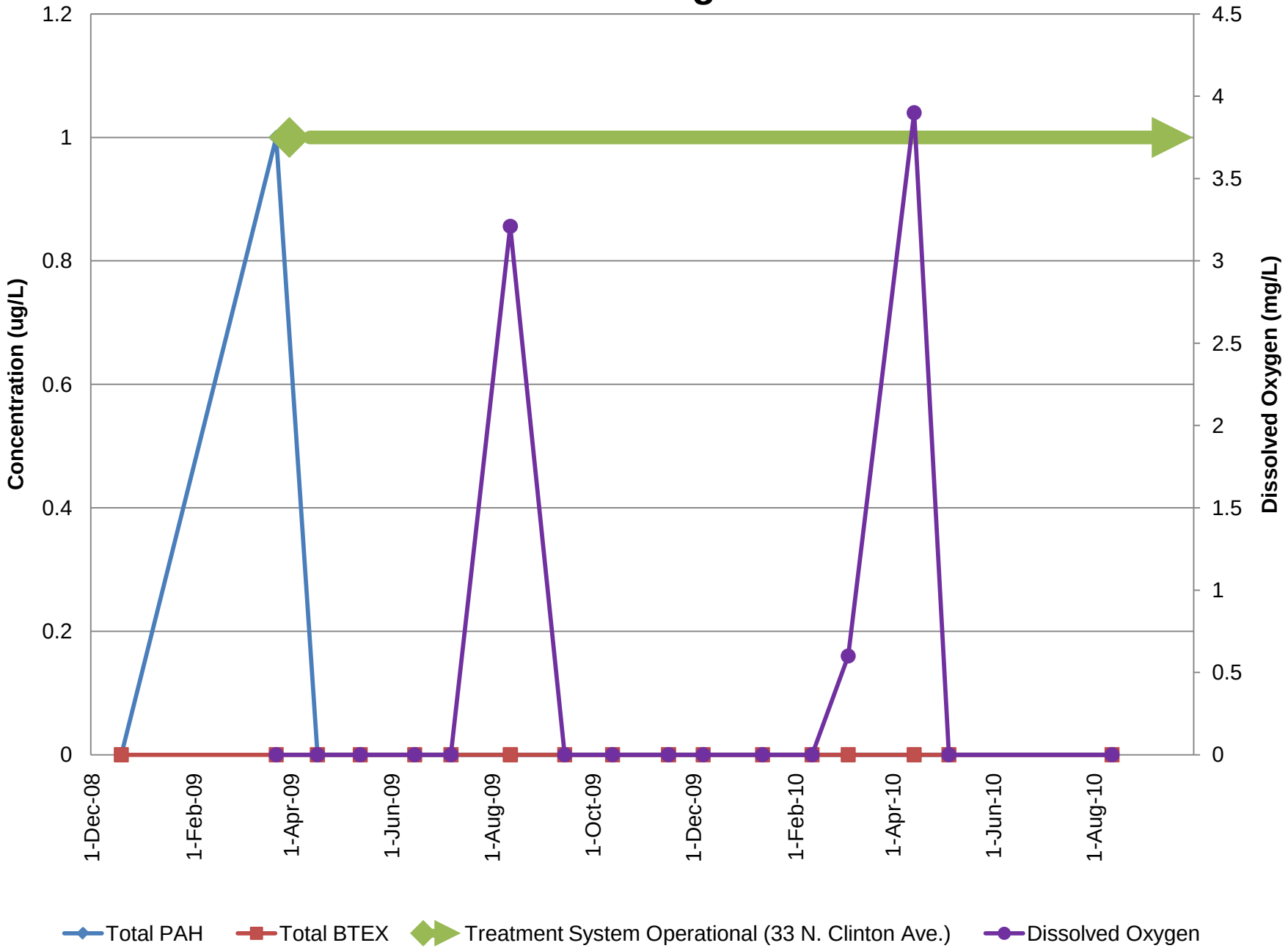
Monitoring Well OU2MW-36I
25-30 ft bgs



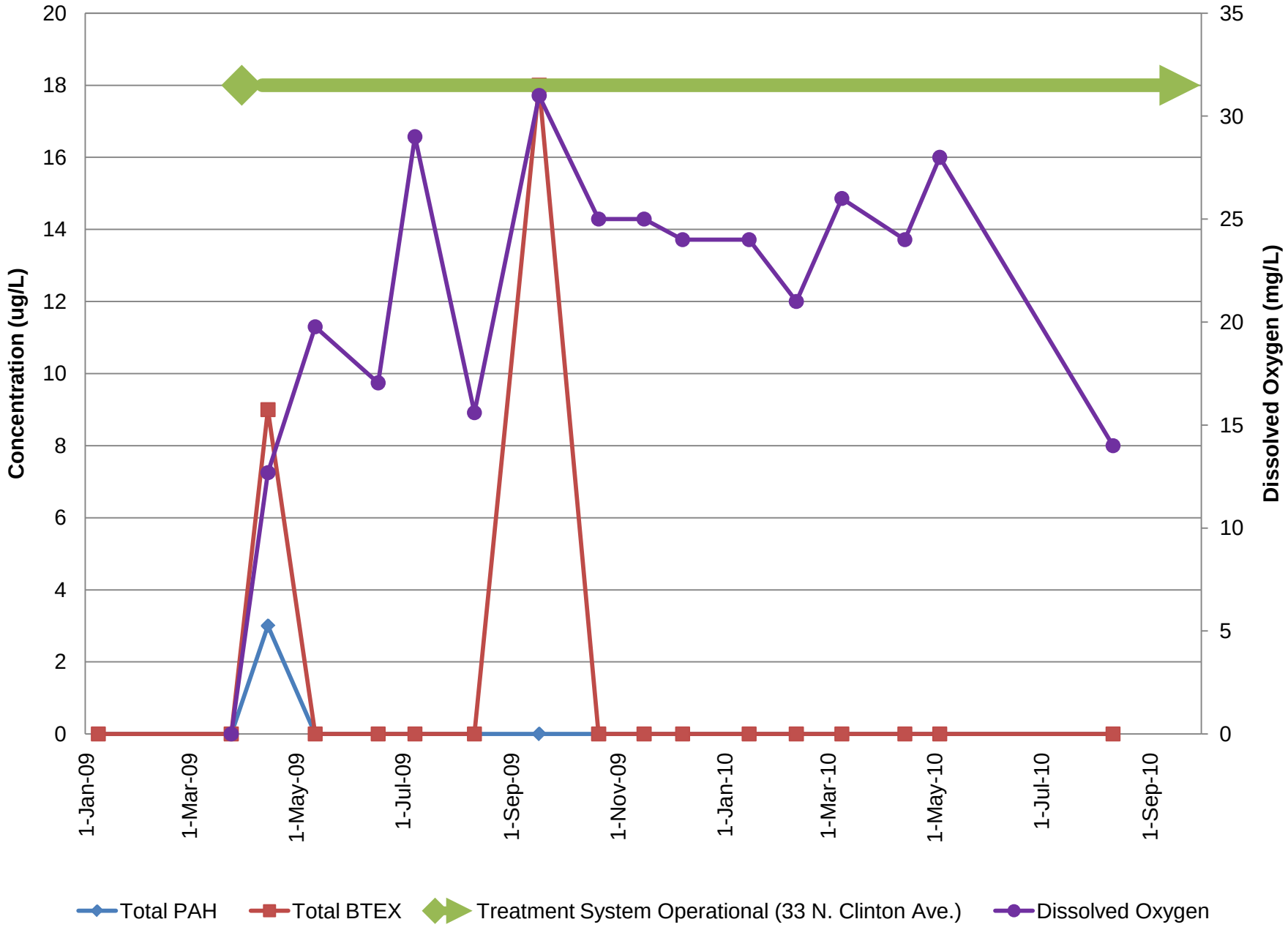
Monitoring Well OU2MW-36I2
57-62 ft bgs



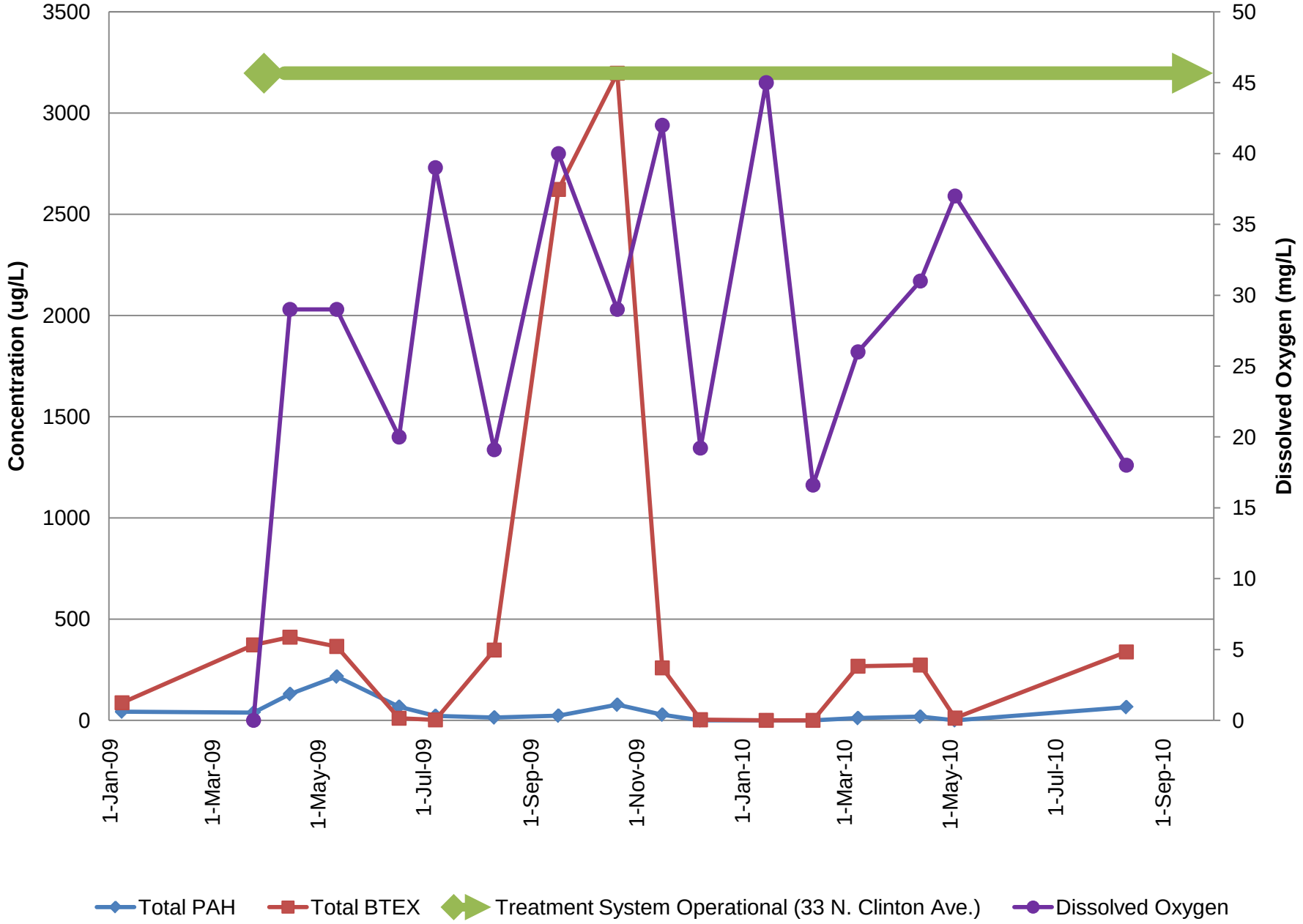
Monitoring Well OU2MW-36D
61-66 ft bgs



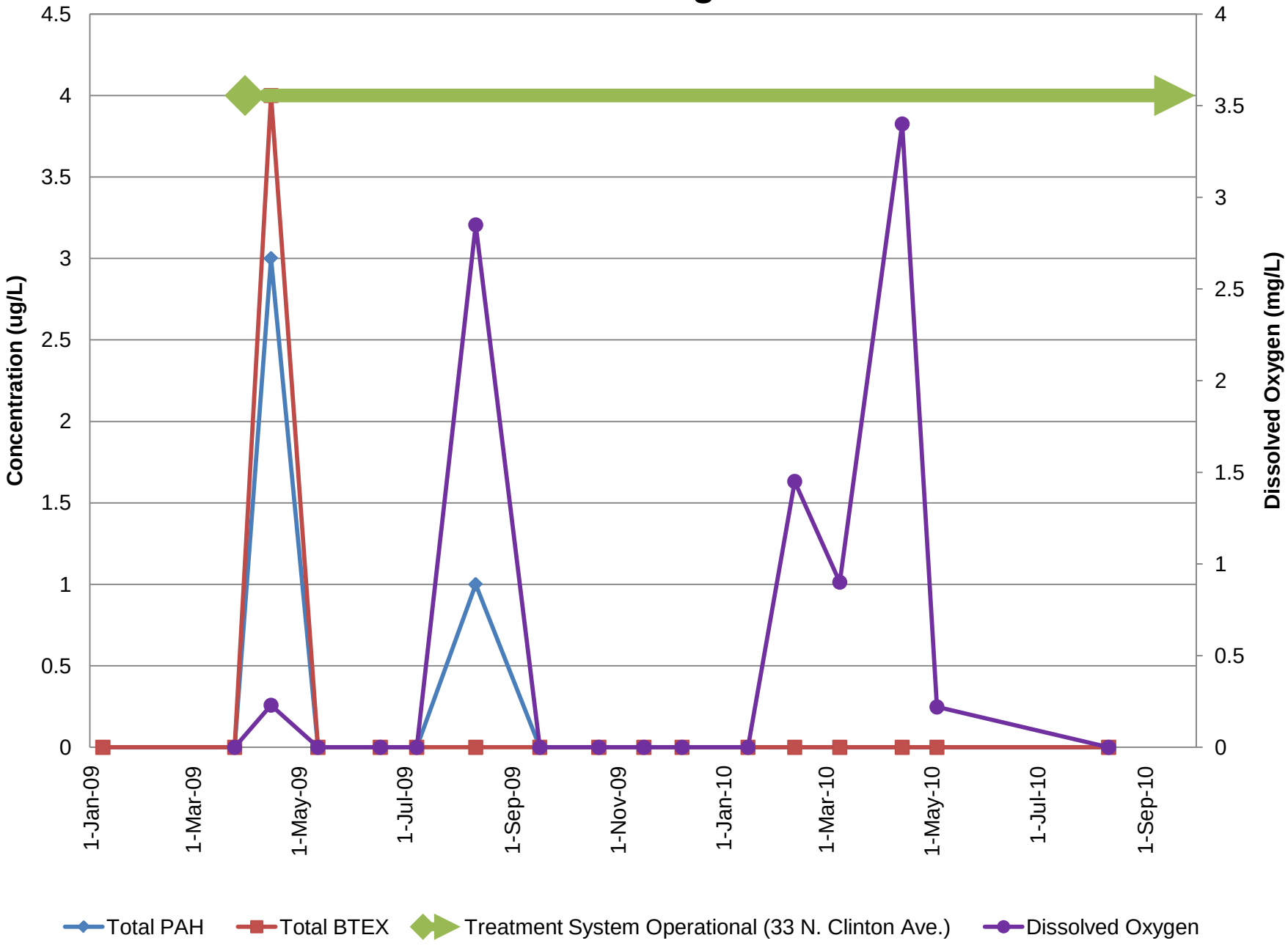
Monitoring Well OU2MW-37S
5-15 ft bgs



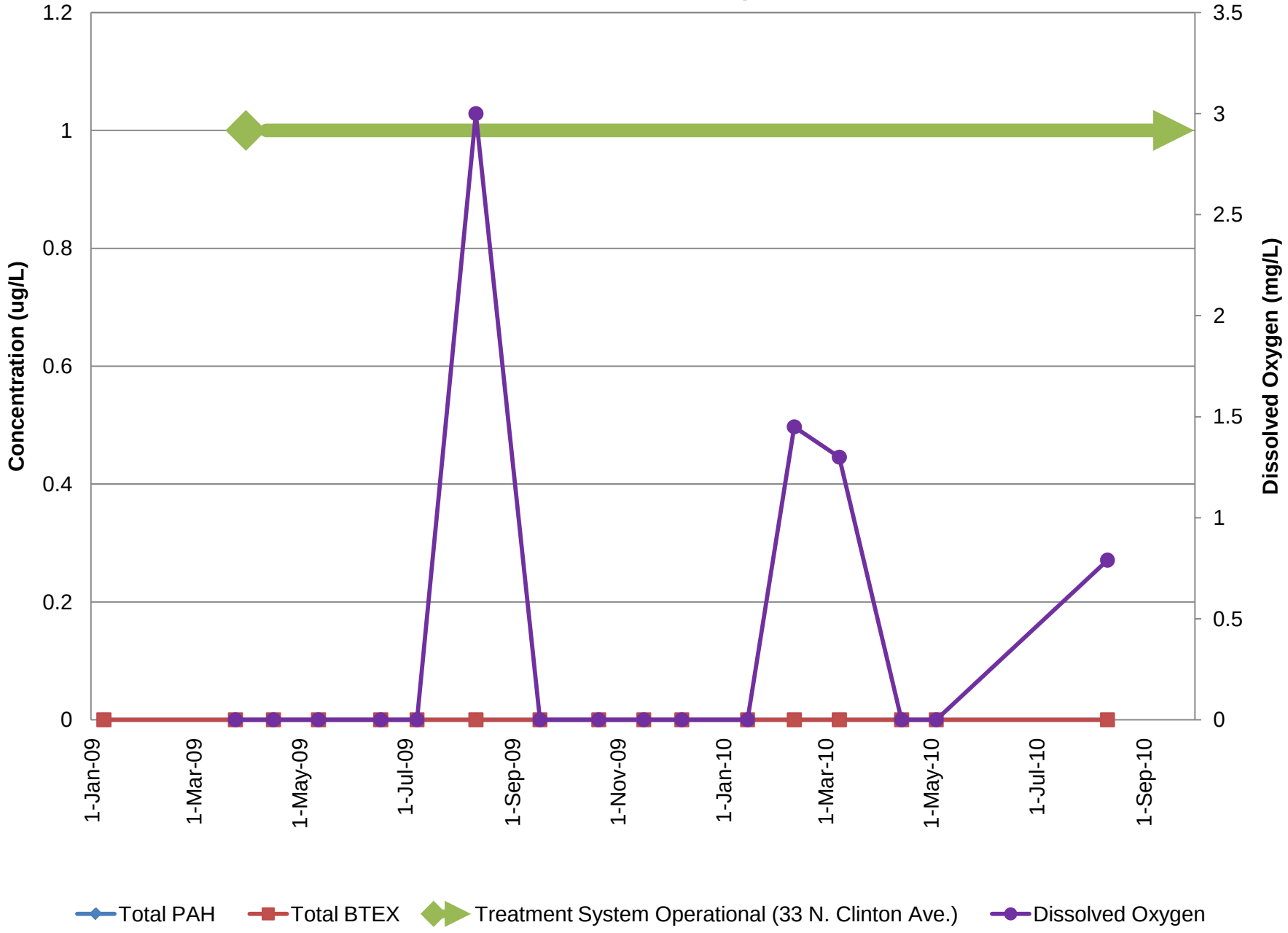
Monitoring Well OU2MW-37I
25-30 ft bgs



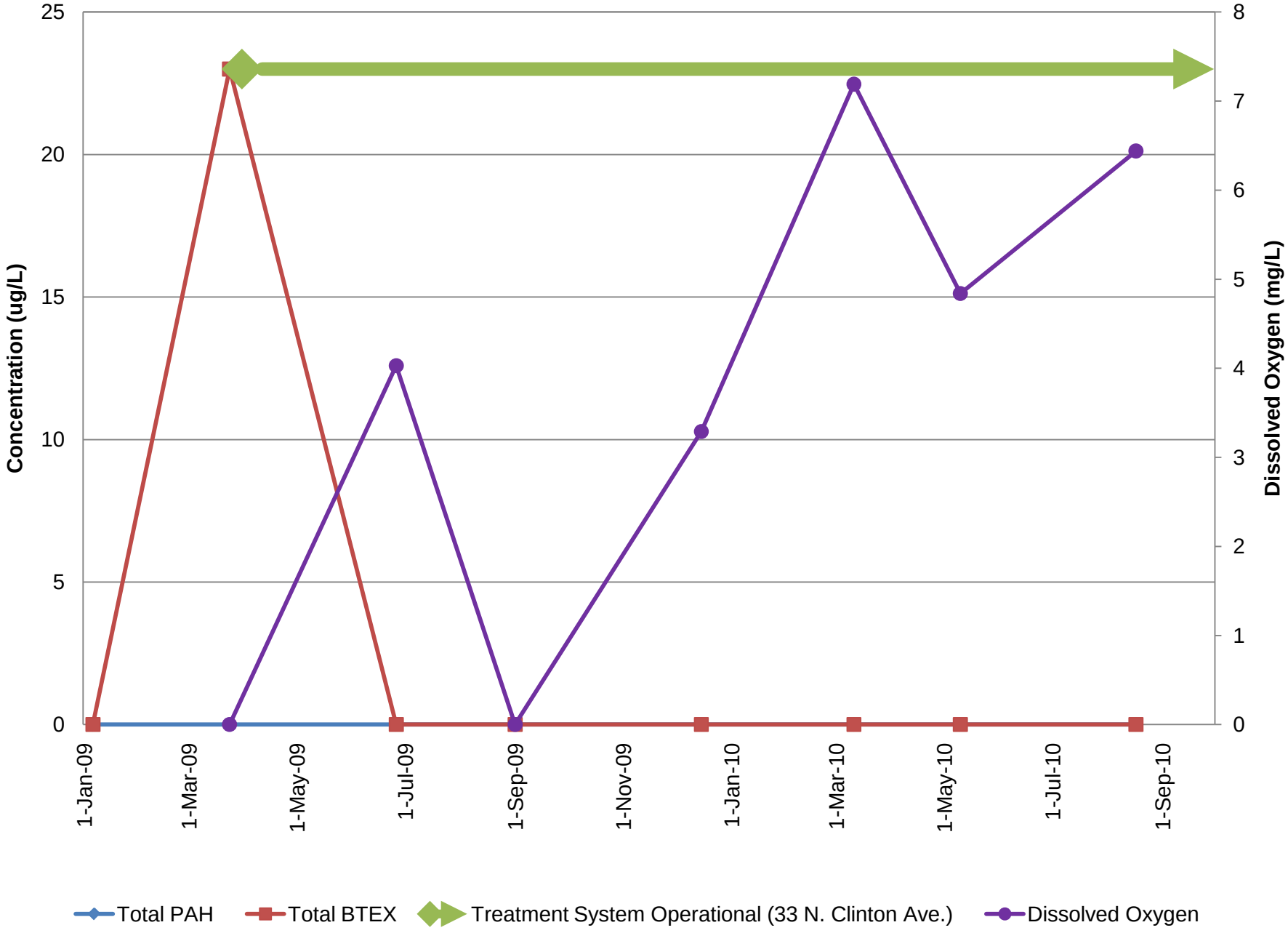
Monitoring Well OU2MW-37I2
45-50 ft bgs



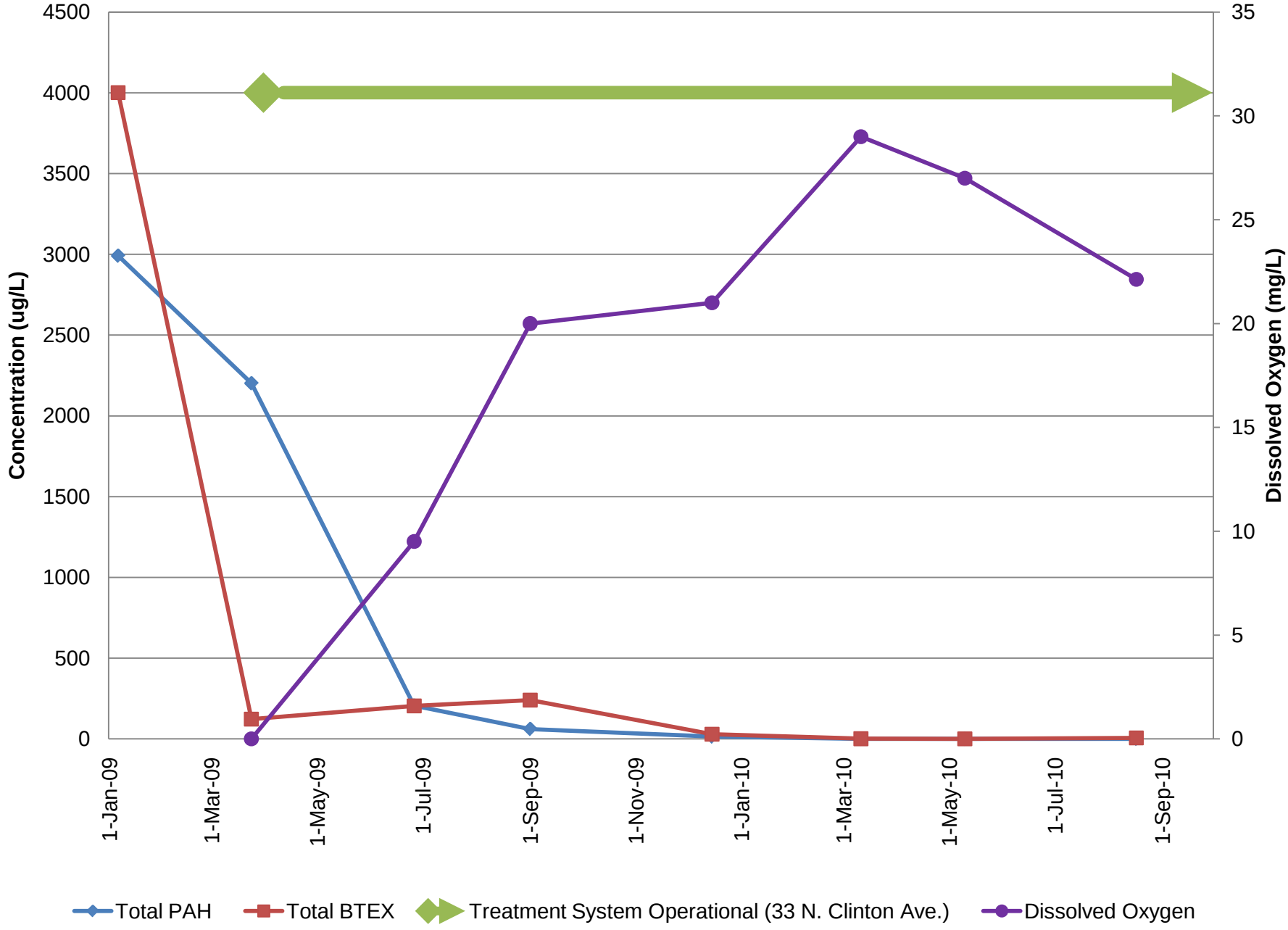
Monitoring Well OU2MW-37D
67-72 ft bgs



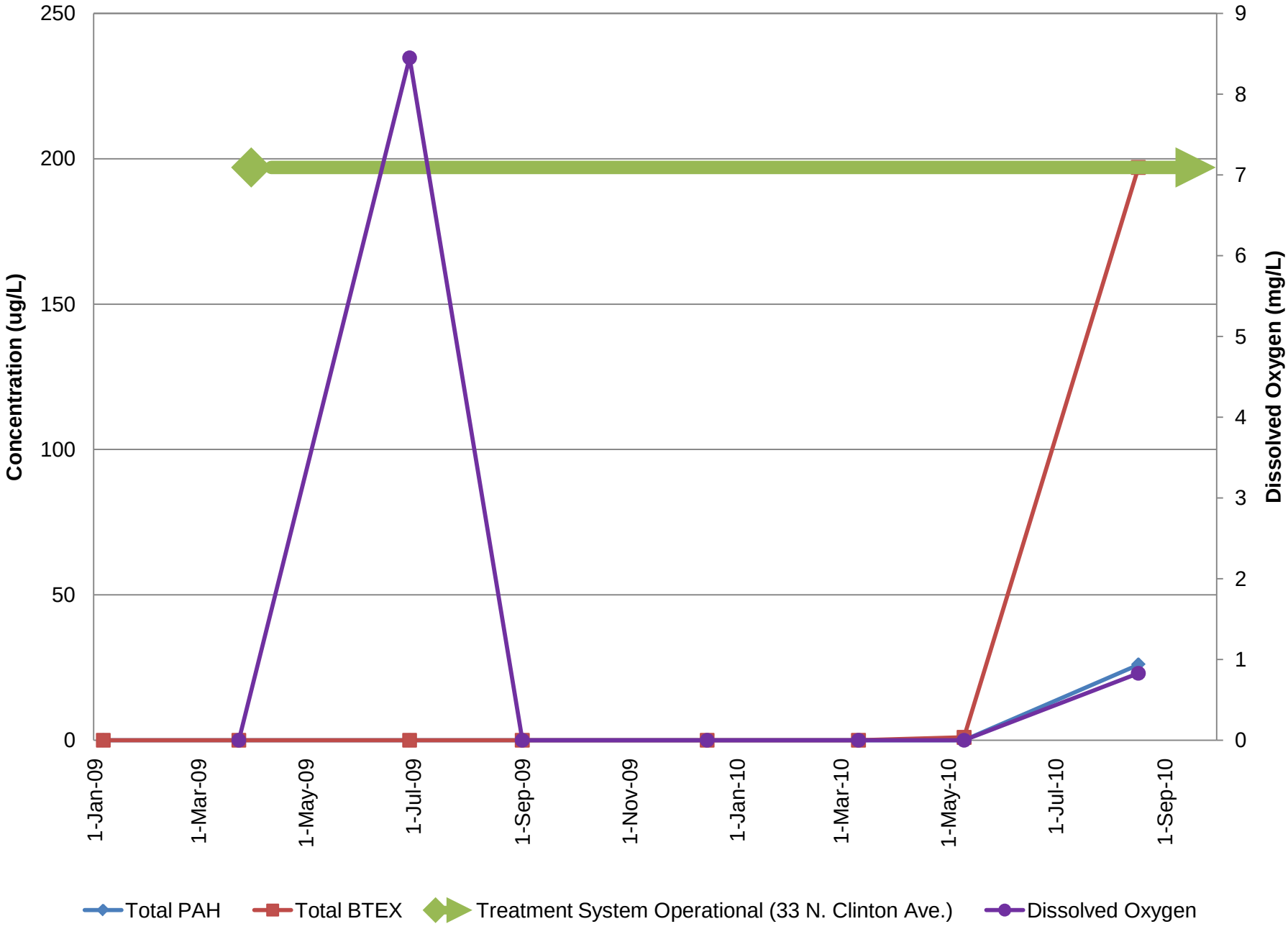
Monitoring Well OU2MW-38S
5-15 ft bgs



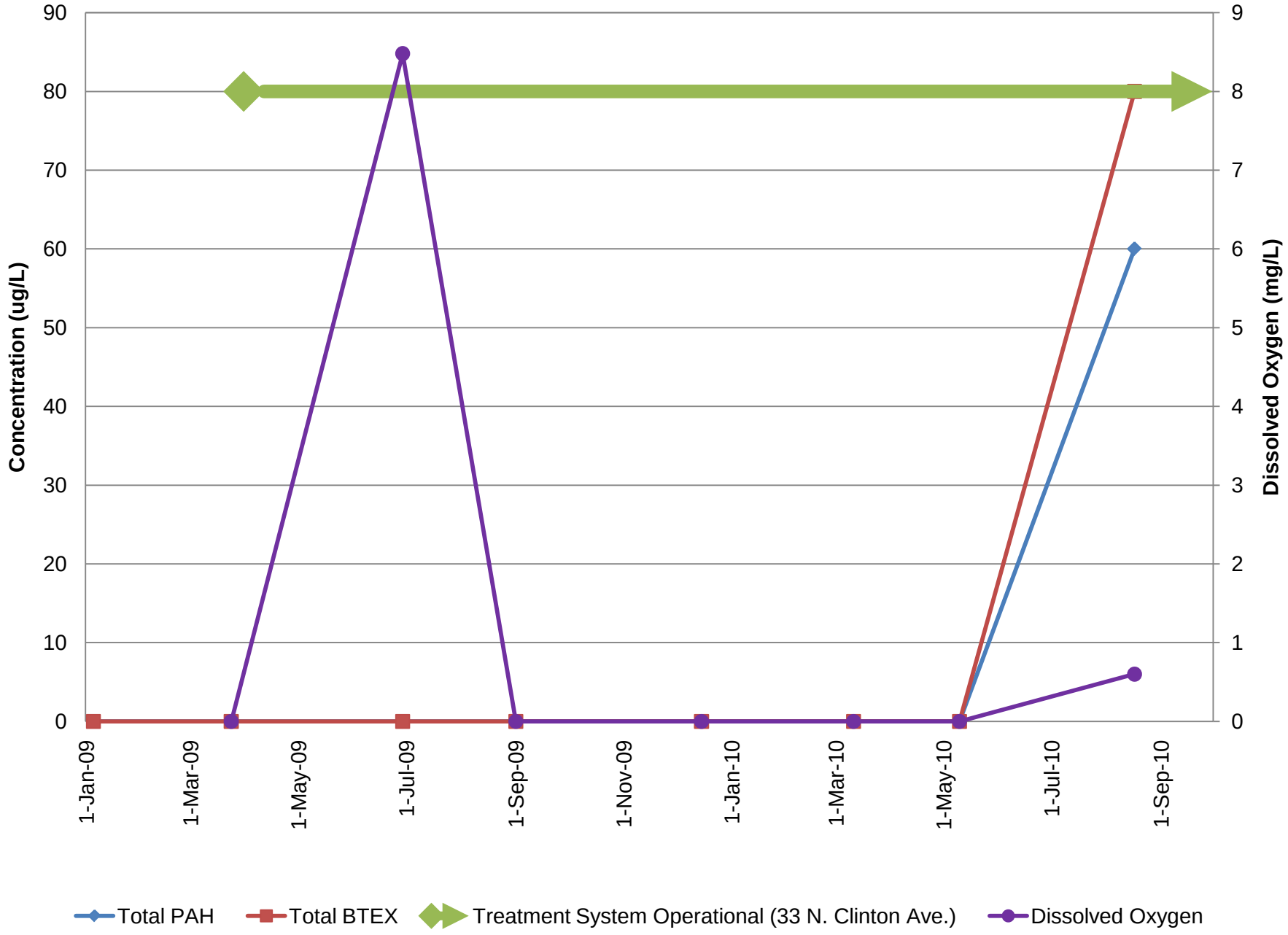
Monitoring Well OU2MW-38I
25-30 ft bgs



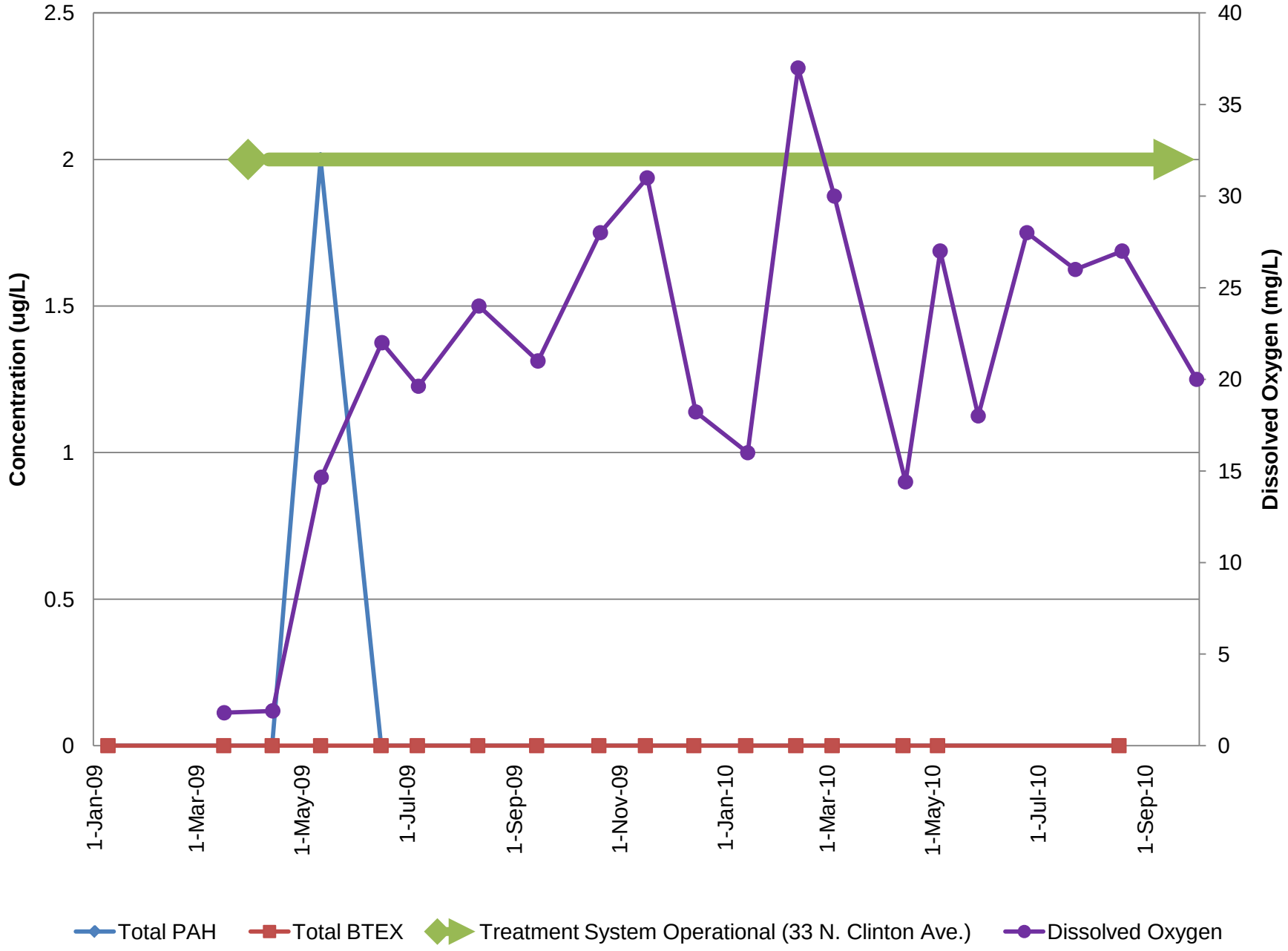
Monitoring Well OU2MW-38I2
46-51 ft bgs



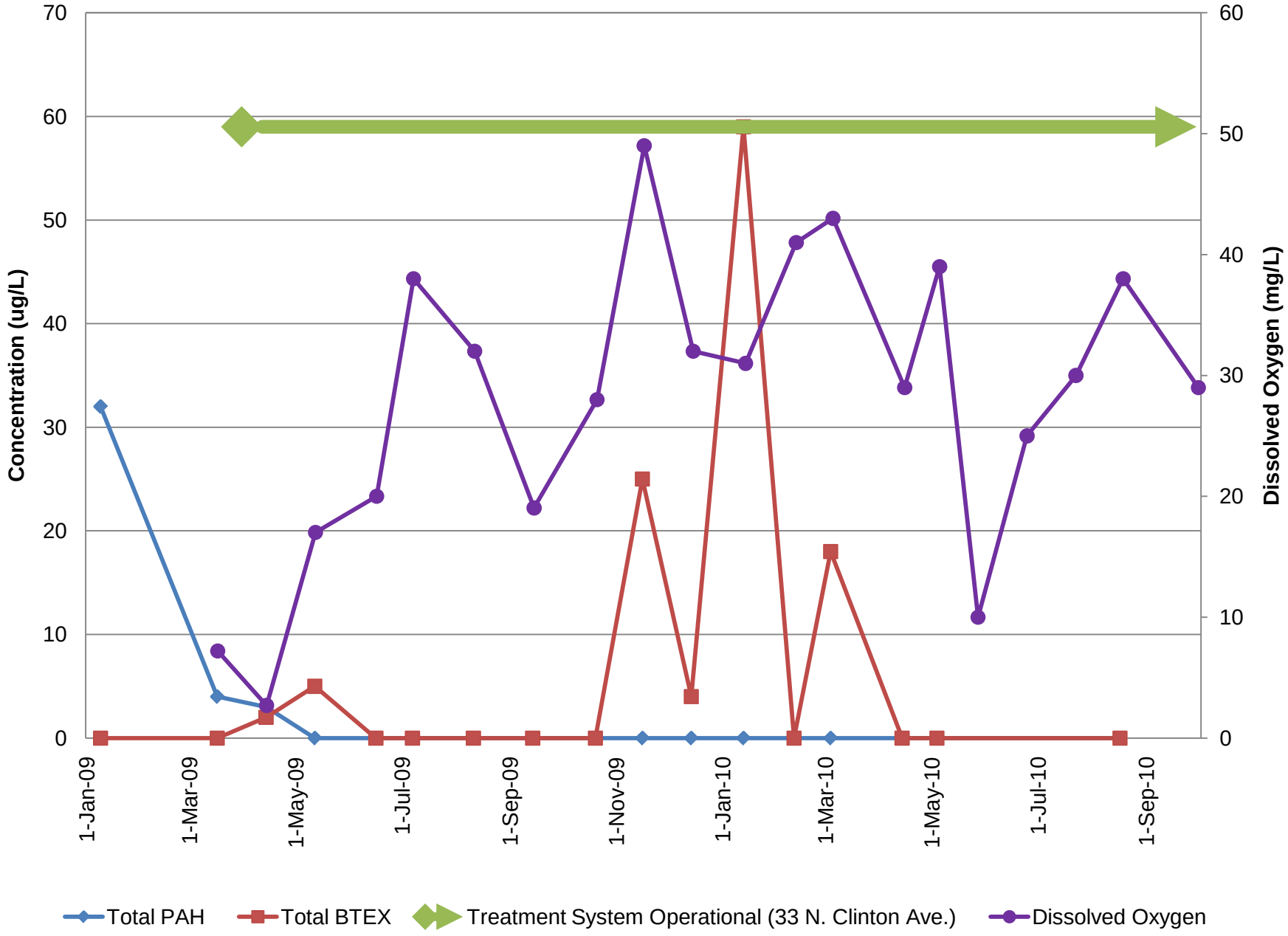
Monitoring Well OU2MW-38D
56-61 ft bgs



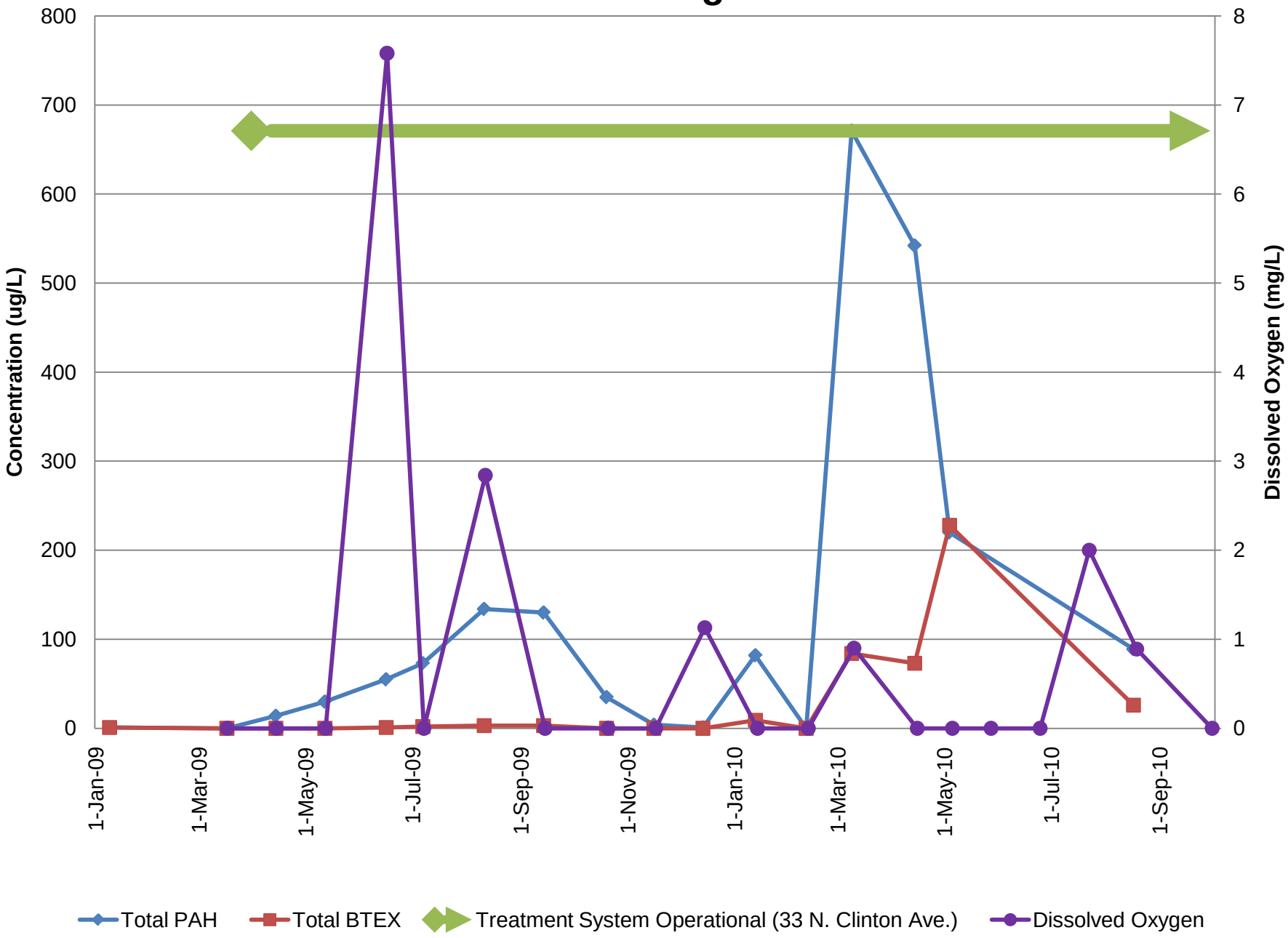
Monitoring Well OU2MW-39S
5-15 ft bgs



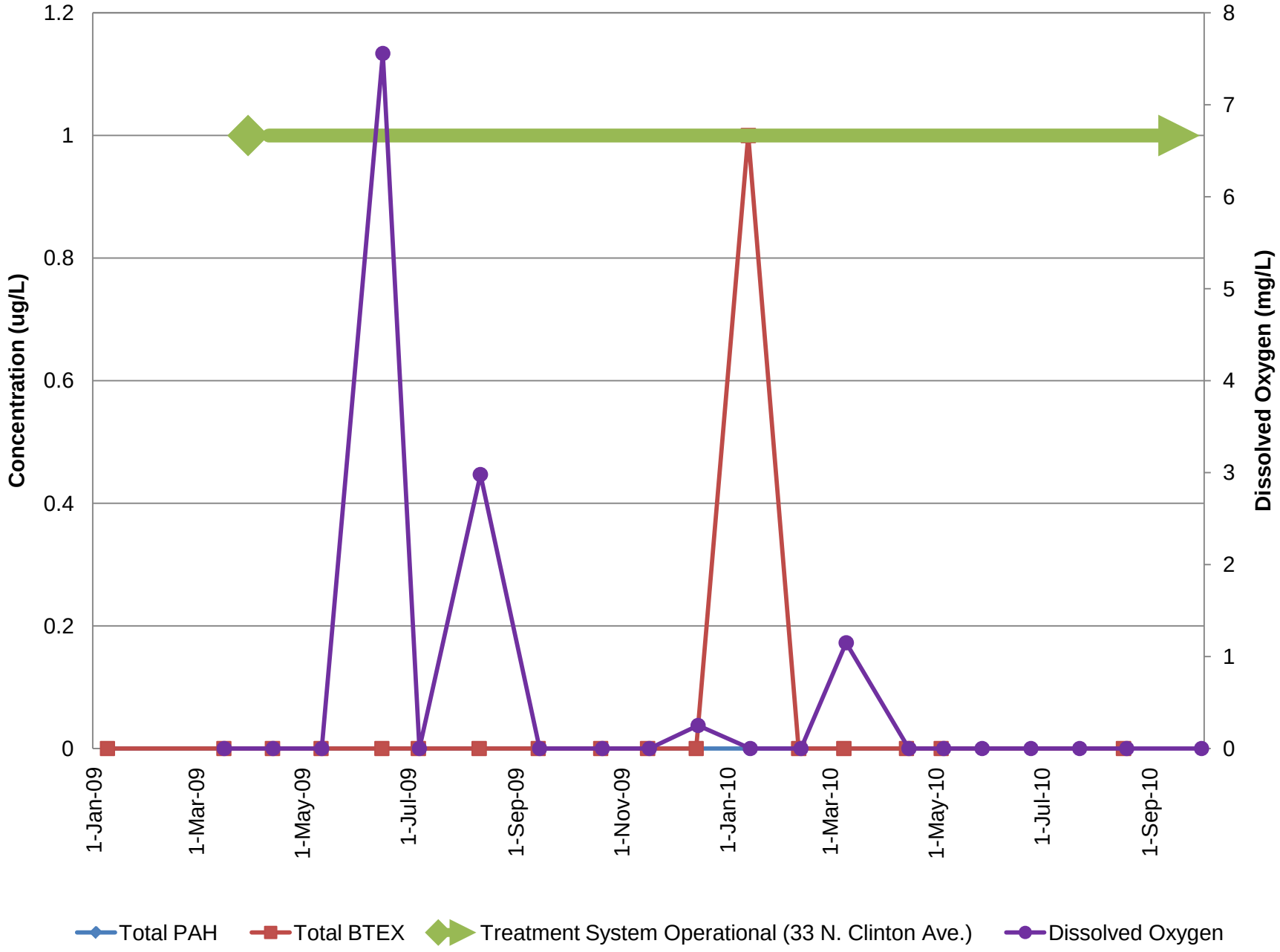
Monitoring Well OU2MW-39I
25-30 ft bgs



Monitoring Well OU2MW-39I2
45-50 ft bgs

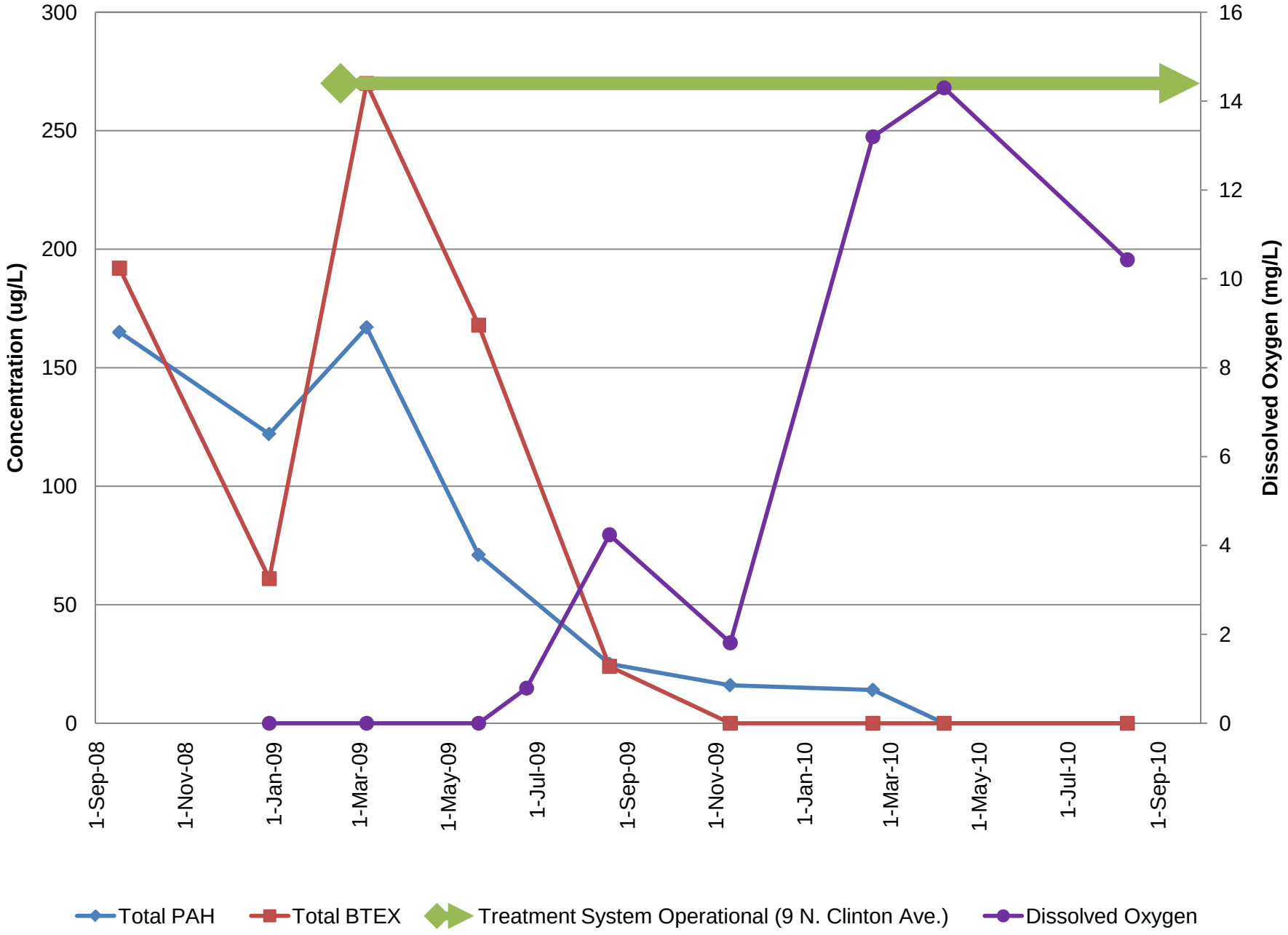


Monitoring Well OU2MW-39D
70-75 ft bgs

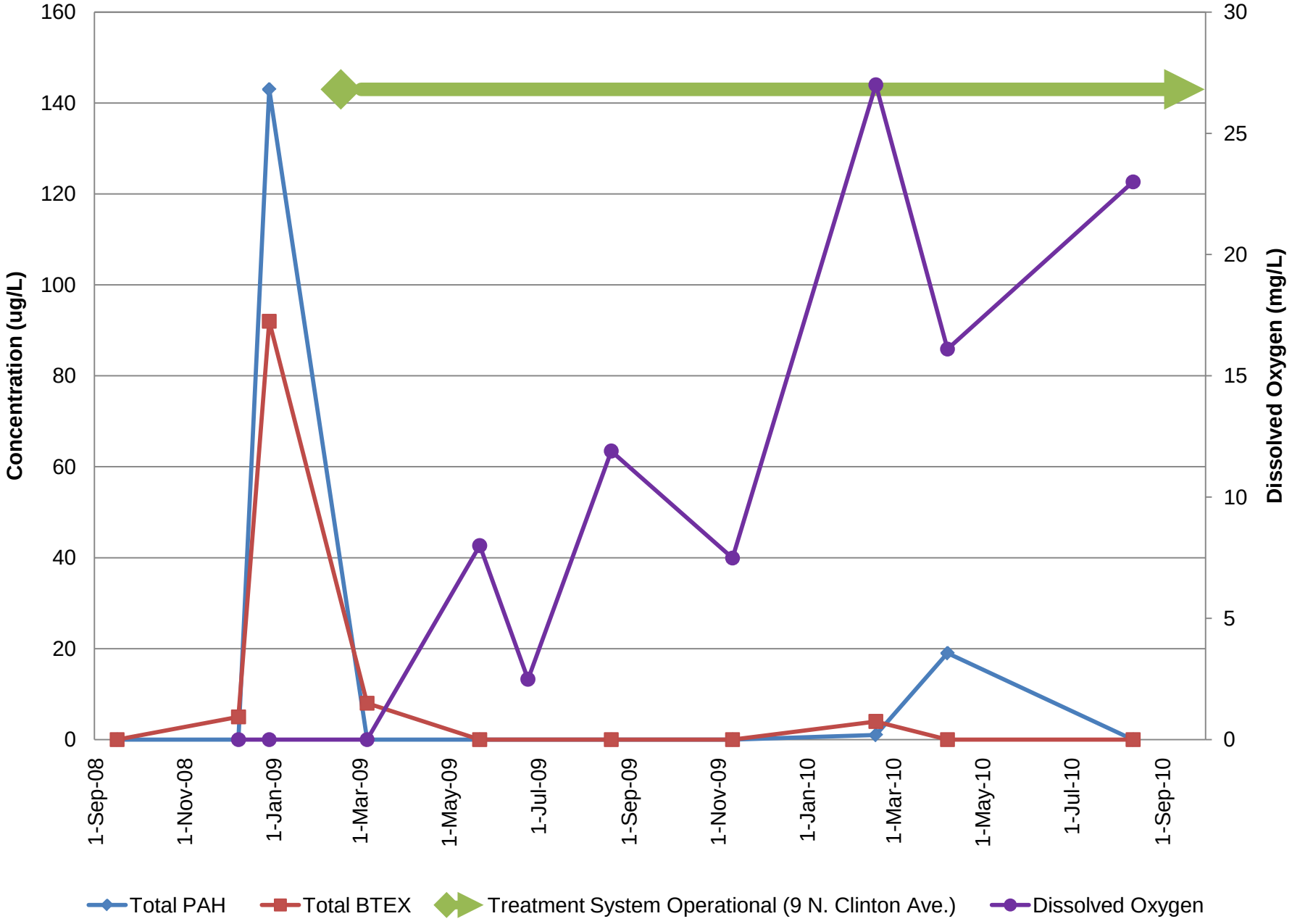


Monitoring Well OU2MW-40S
5-15 ft bgs

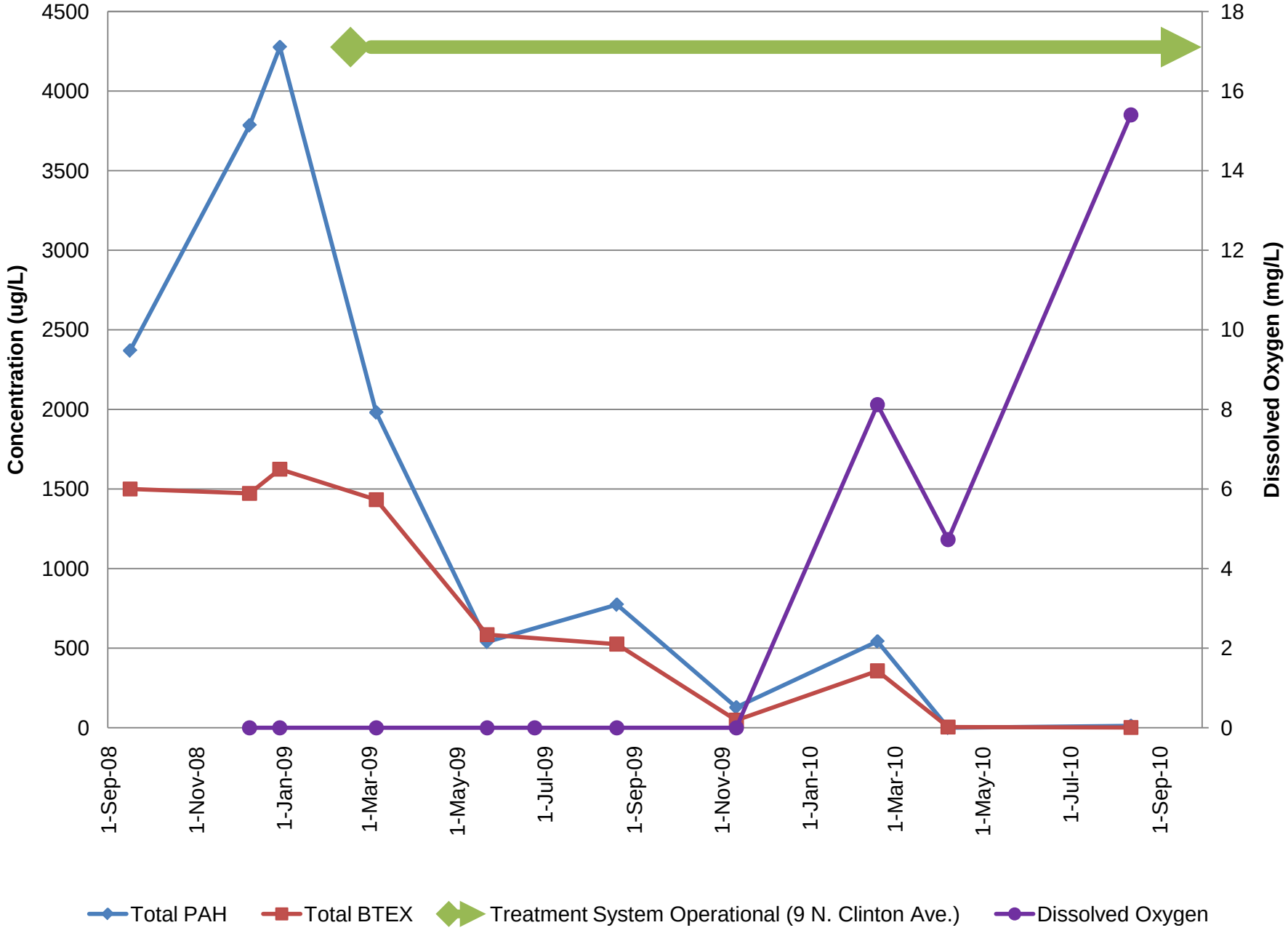
Monitoring Well OU2MW-40I
18-23 ft bgs



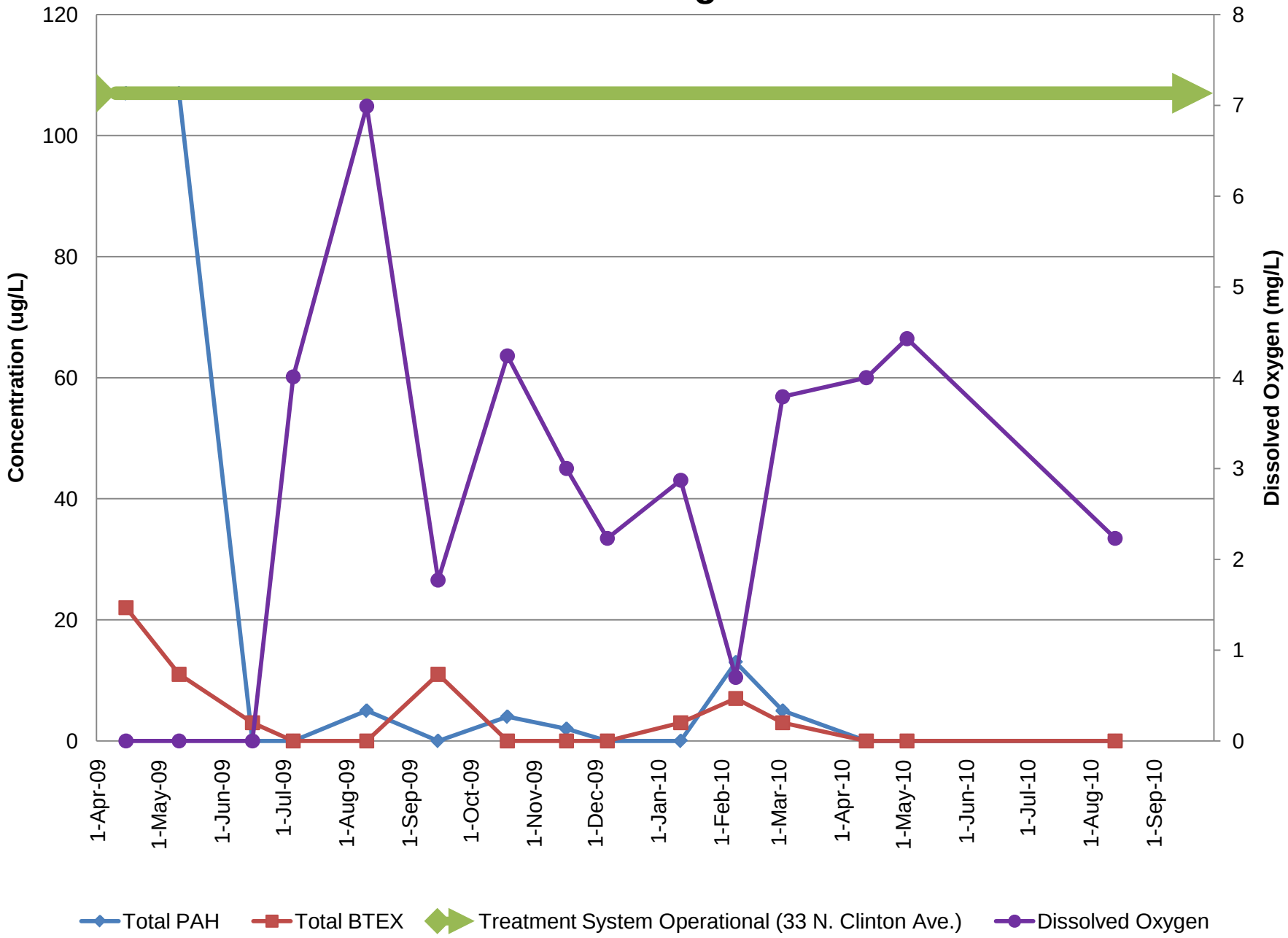
Monitoring Well OU2MW-41S
5-15 ft bgs



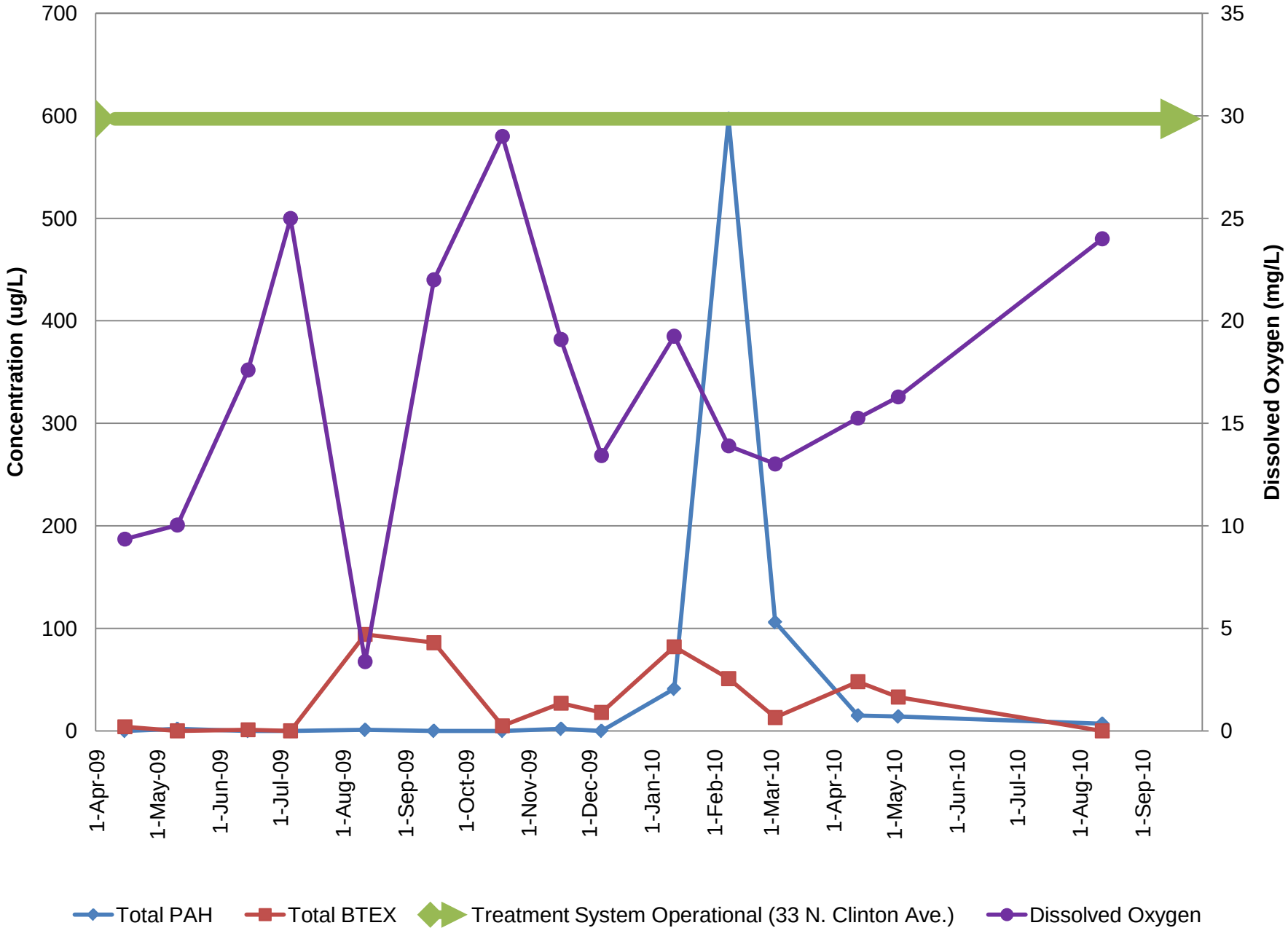
Monitoring Well OU2MW-41I
18-23 ft bgs



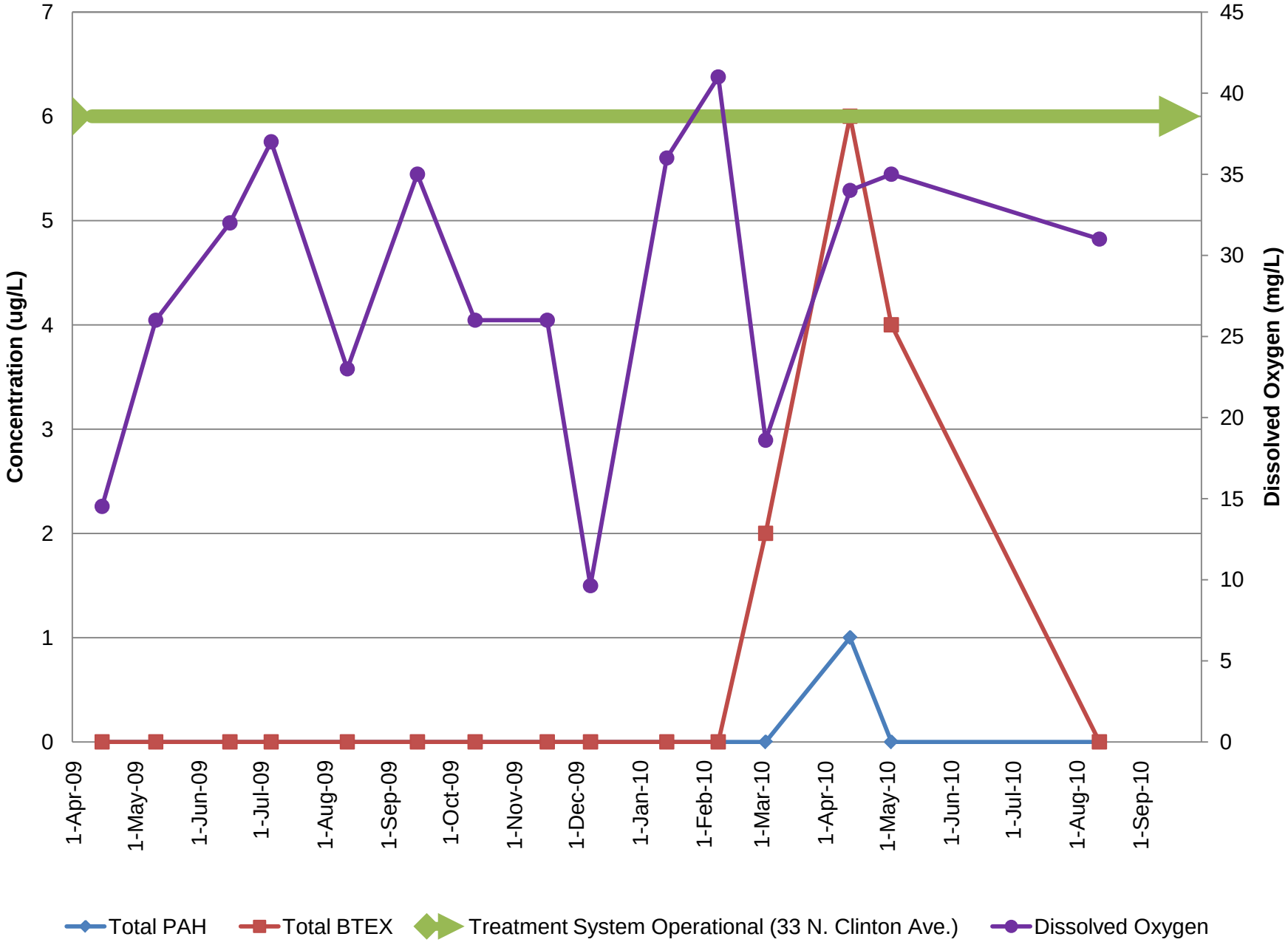
Monitoring Well OU2MW-42S
5-15 ft bgs



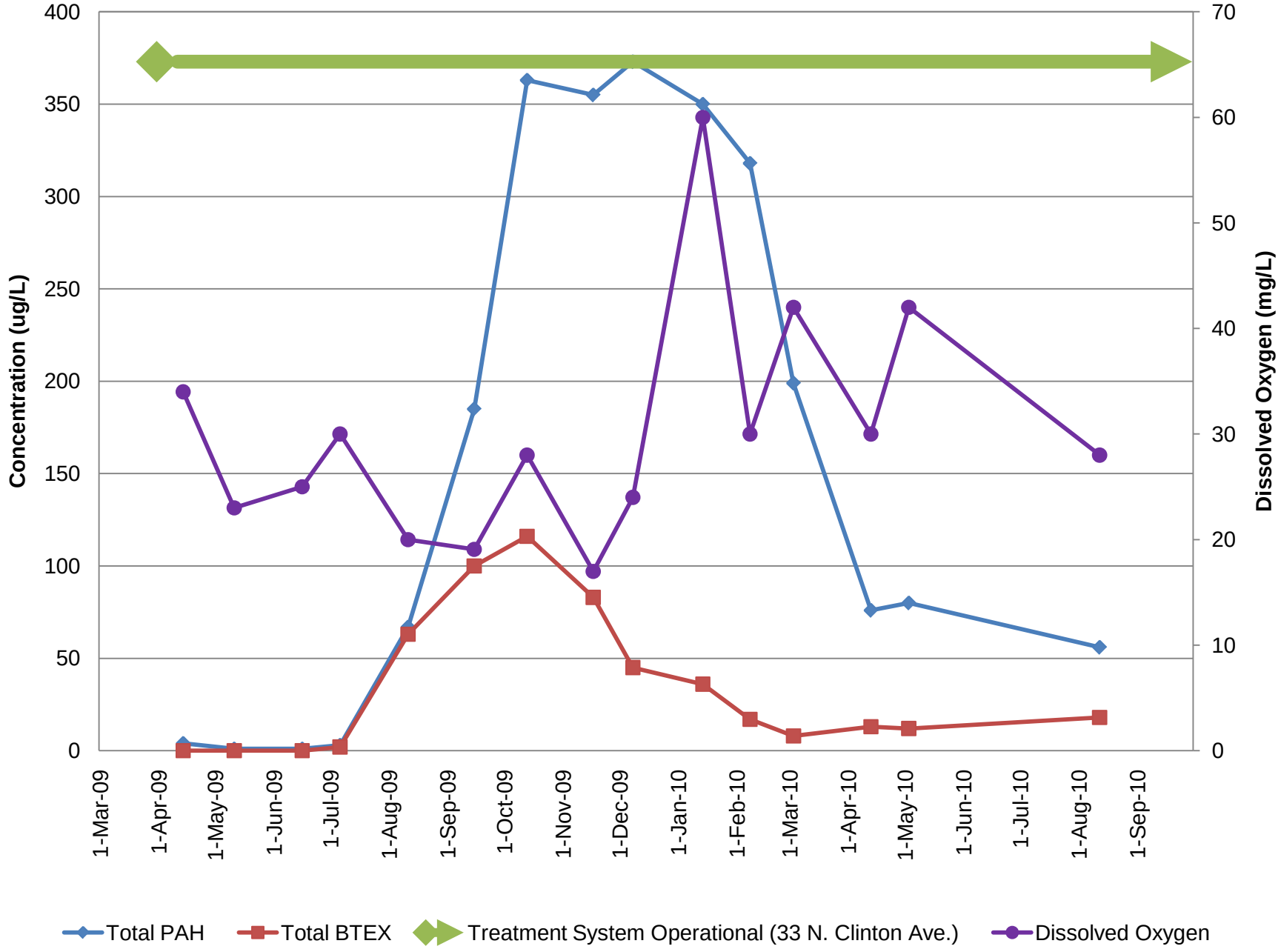
Monitoring Well OU2MW-42I
25-30 ft bgs



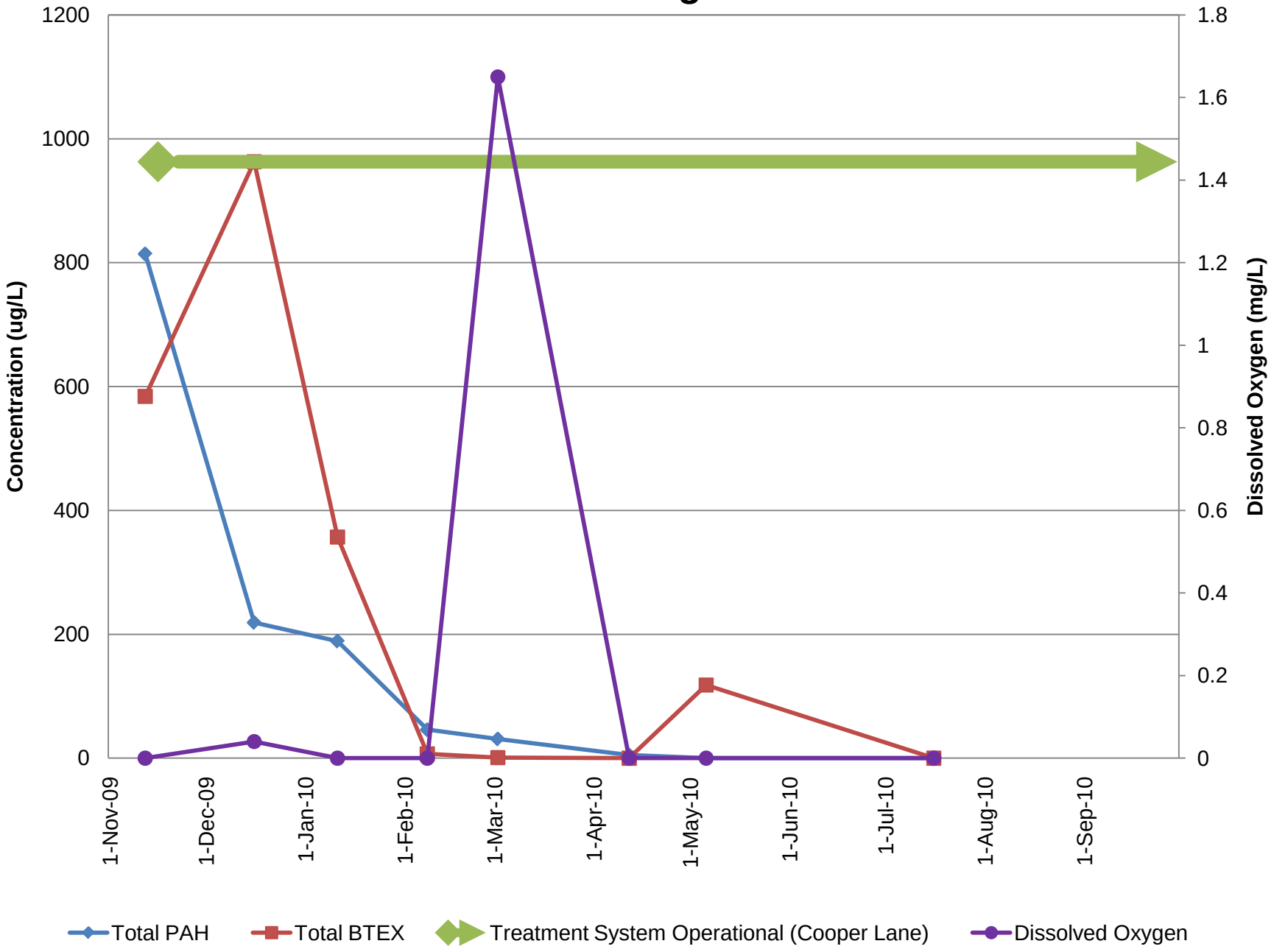
Monitoring Well OU2MW-42I2
40-45 ft bgs



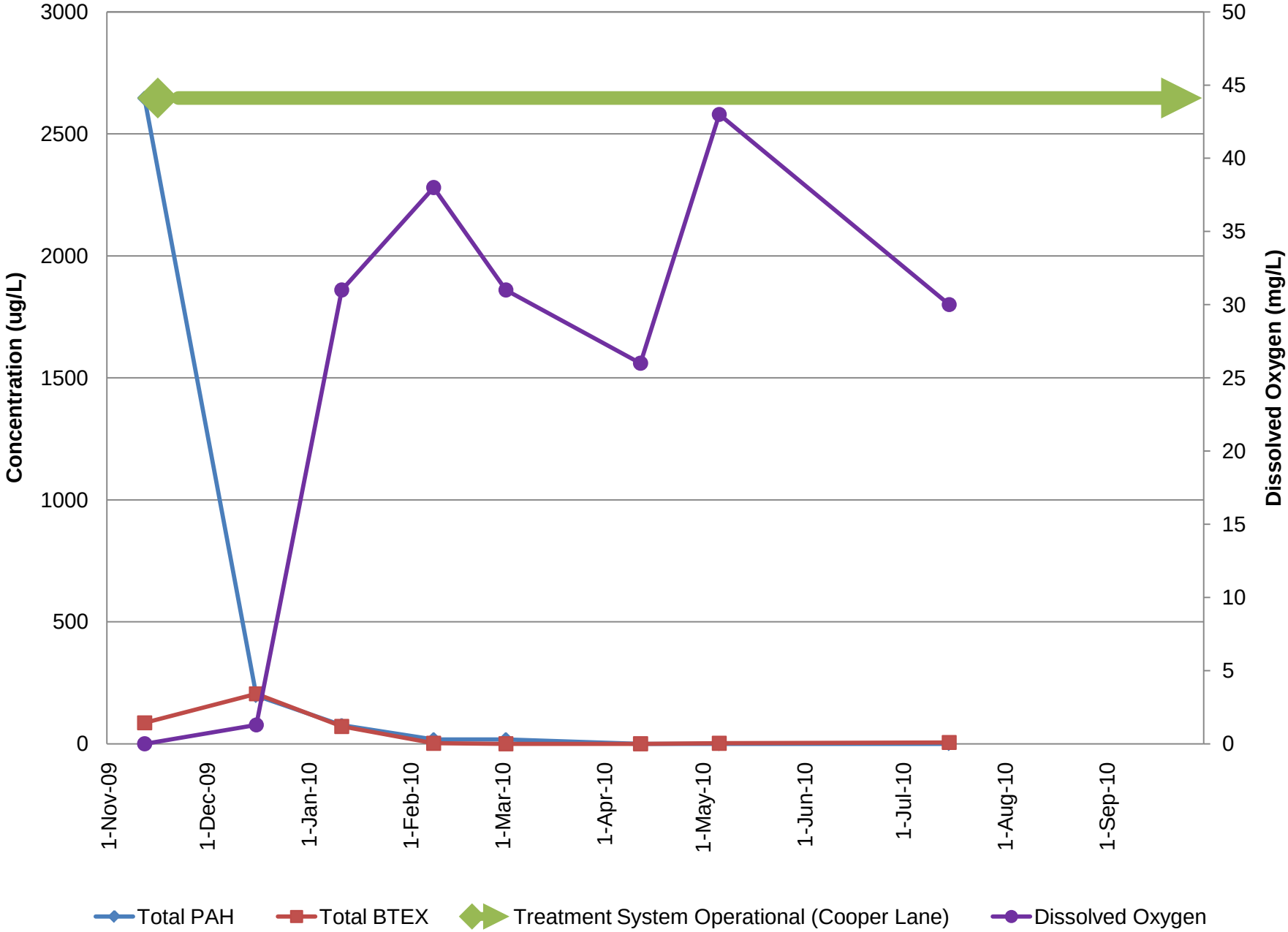
Monitoring Well OU2MW-42D
60-65 ft bgs



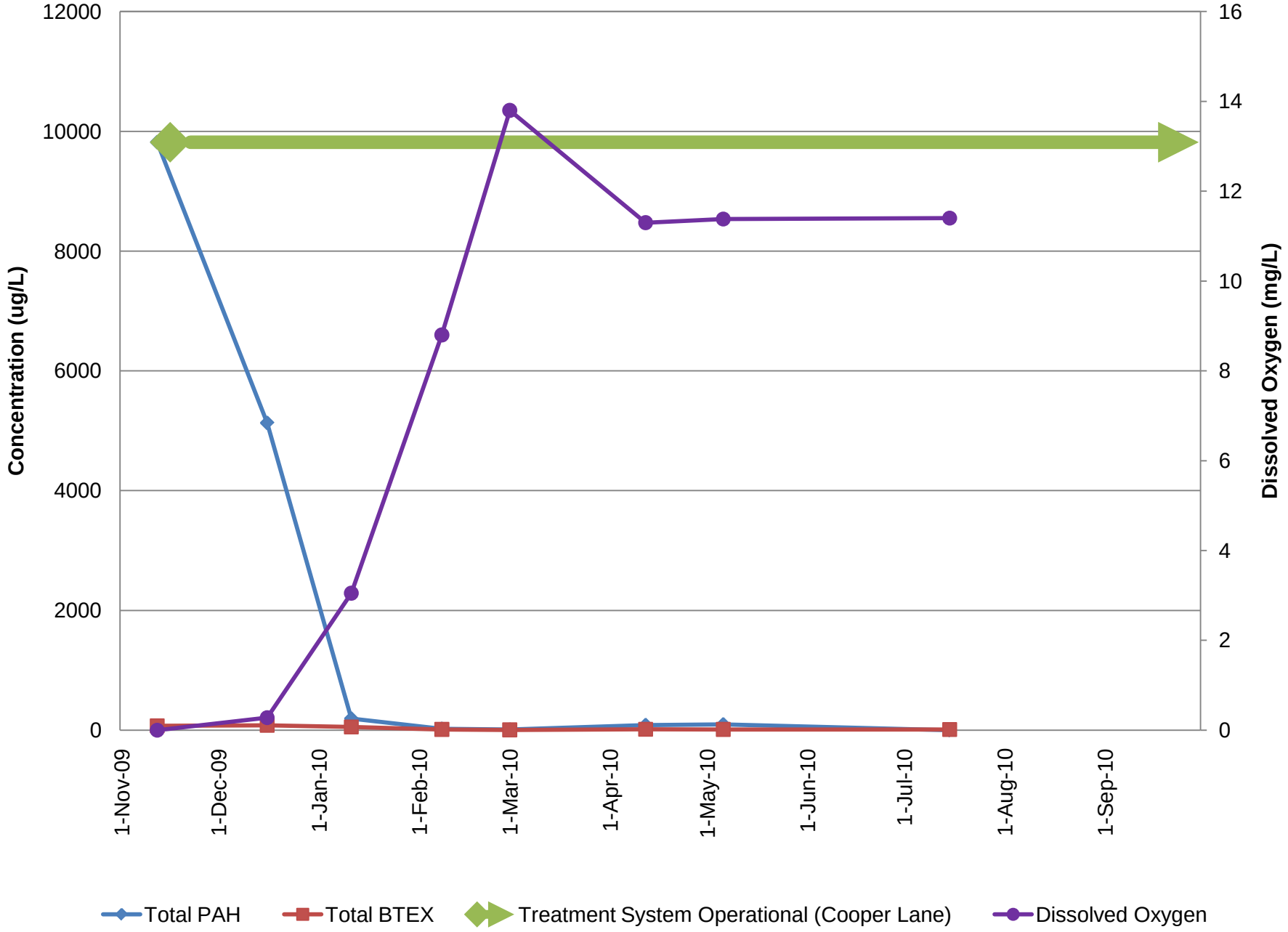
Monitoring Well OU2MW-43S
5-15 ft bgs



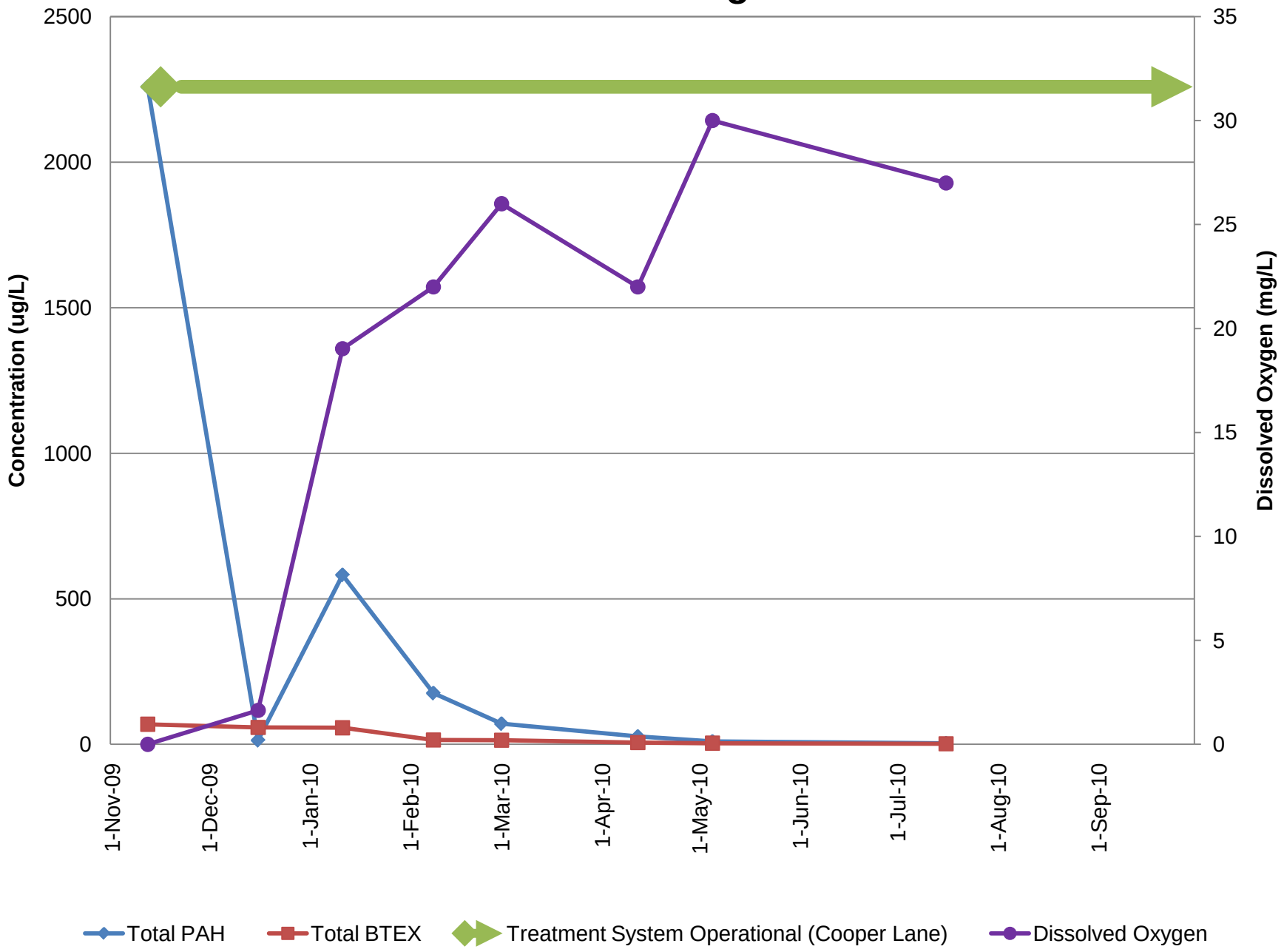
Monitoring Well OU2MW-43I
25-30 ft bgs



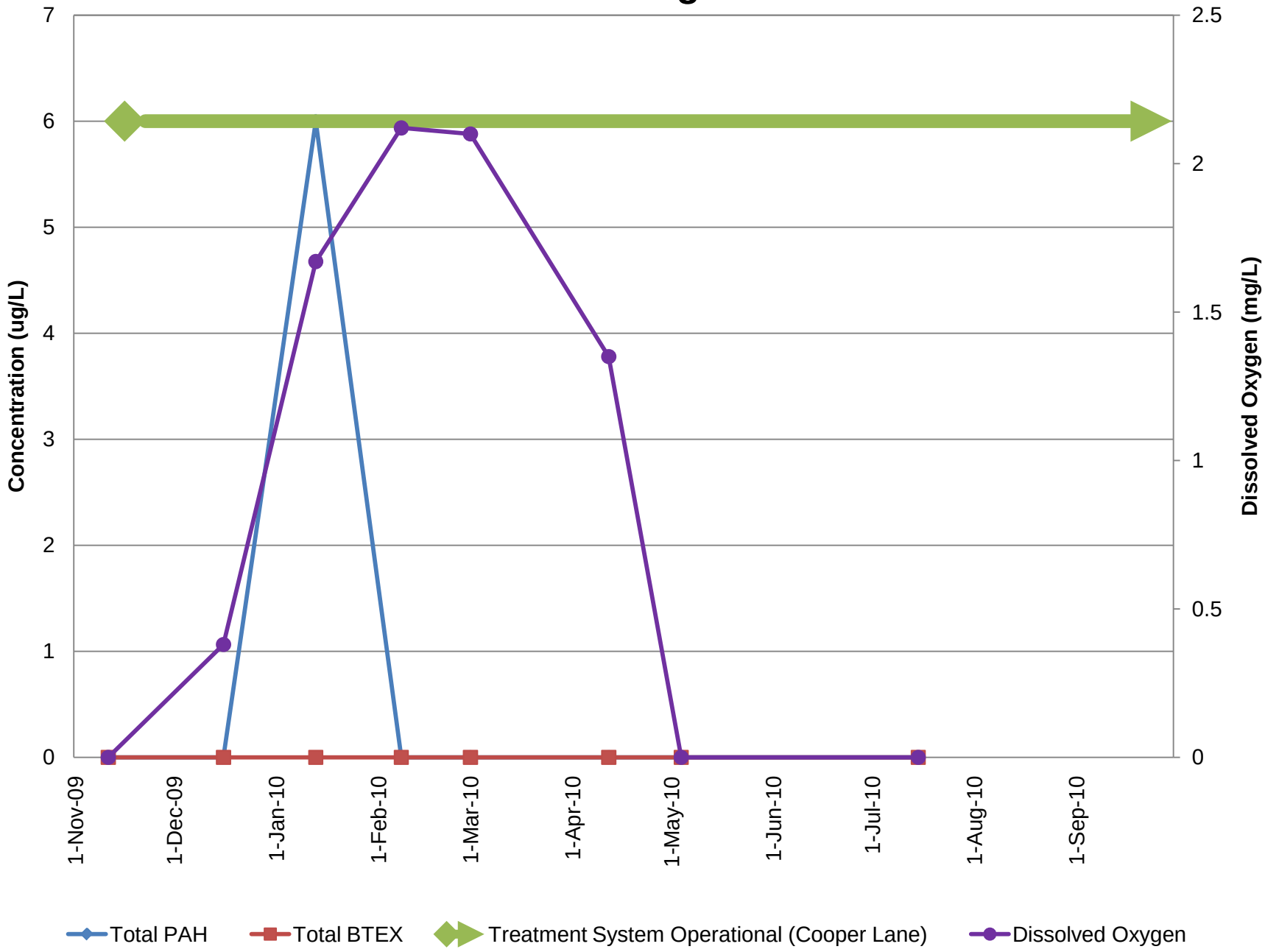
Monitoring Well OU2MW-43I2
45-50 ft bgs



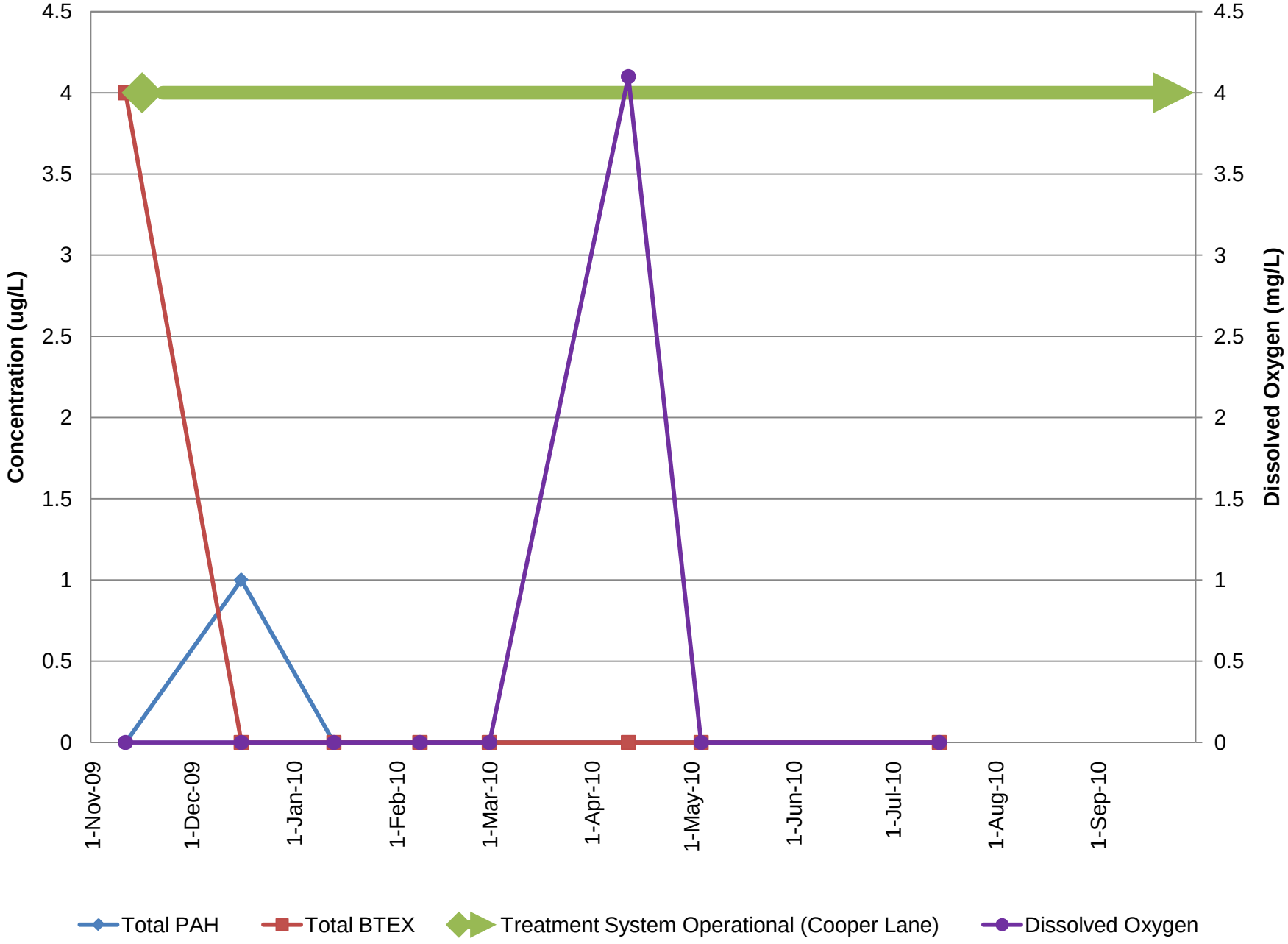
Monitoring Well OU2MW-43D
65-70 ft bgs



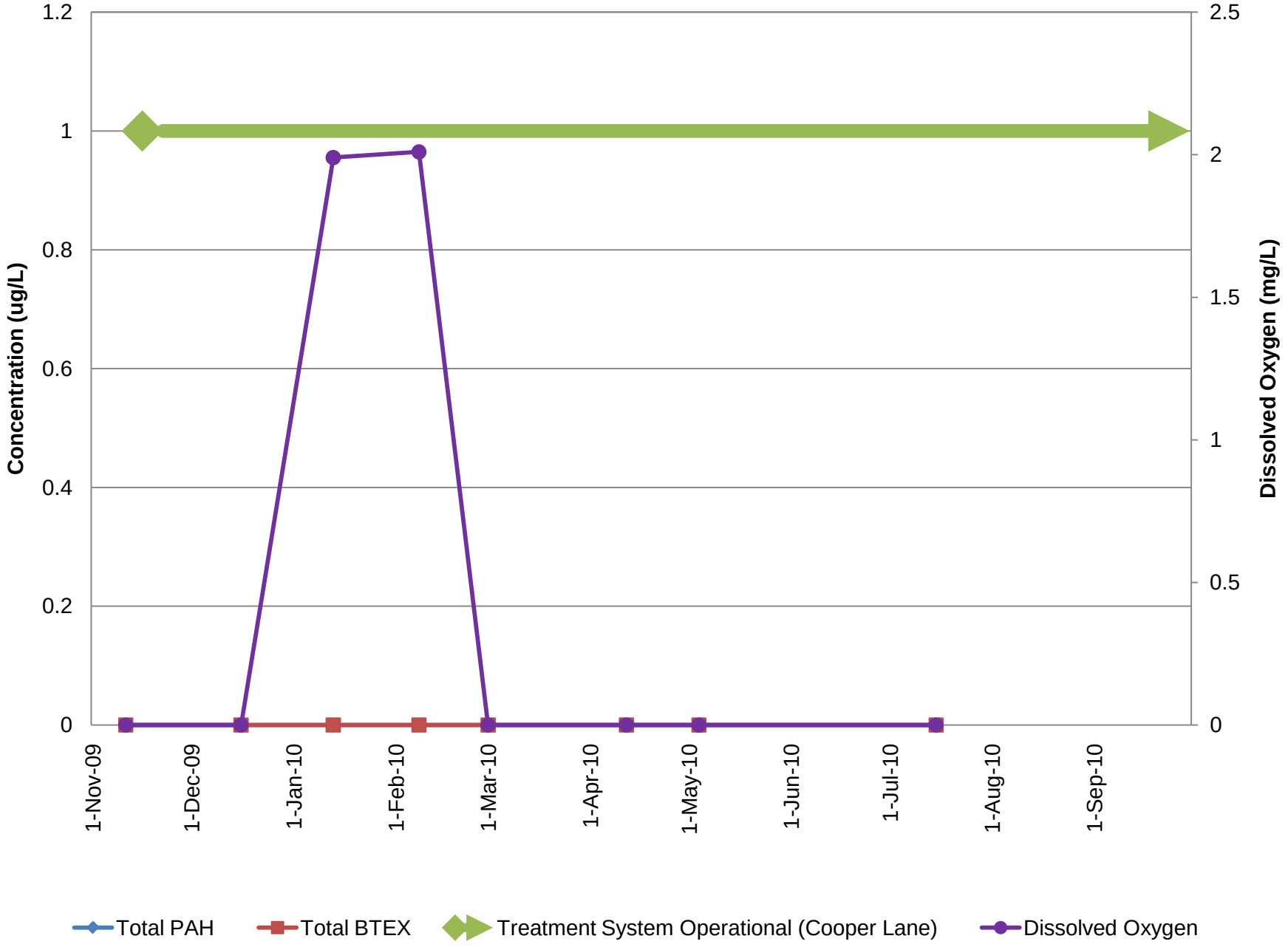
Monitoring Well OU2MW-44S
5-15 ft bgs

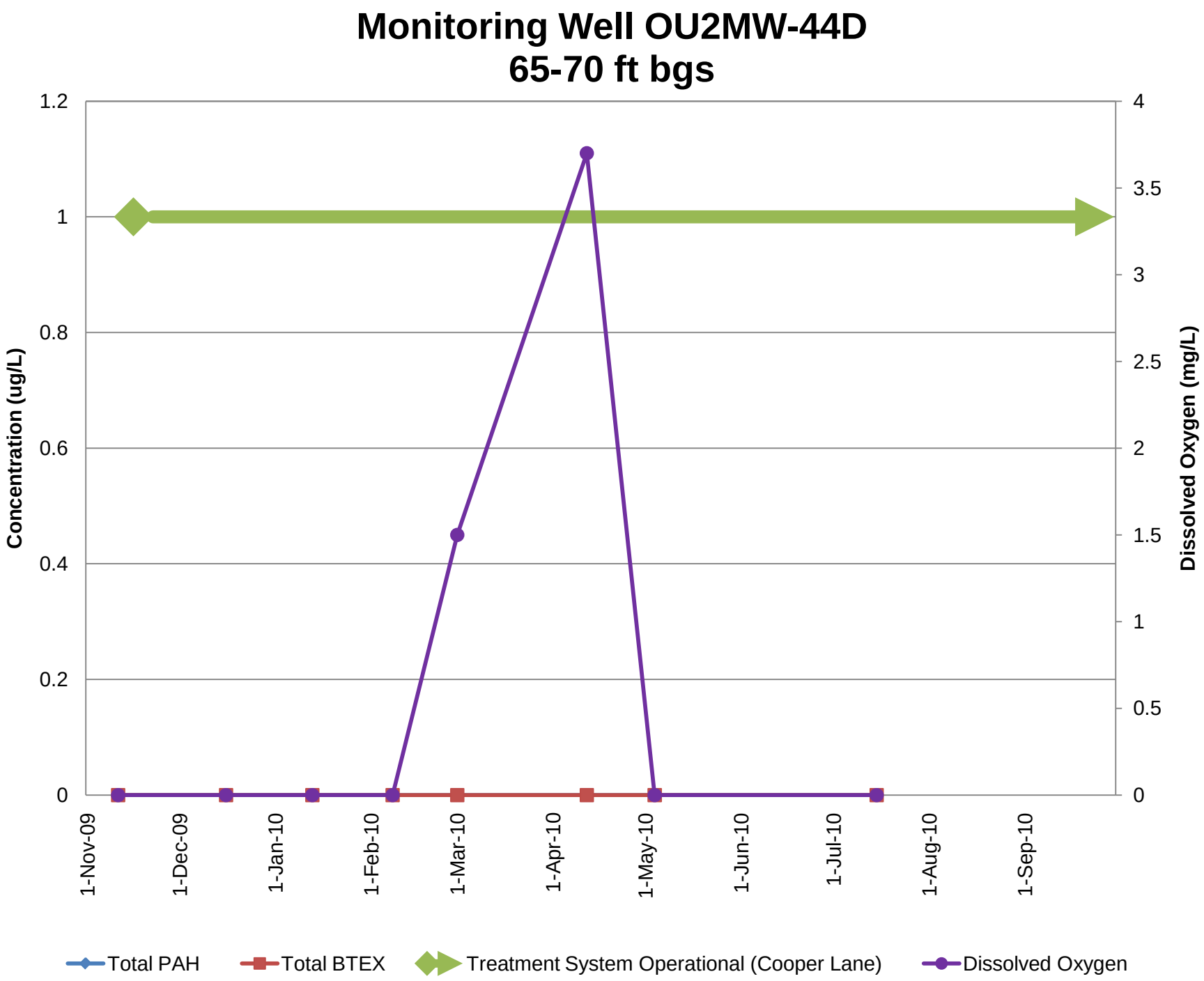


Monitoring Well OU2MW-44I
25-30 ft bgs

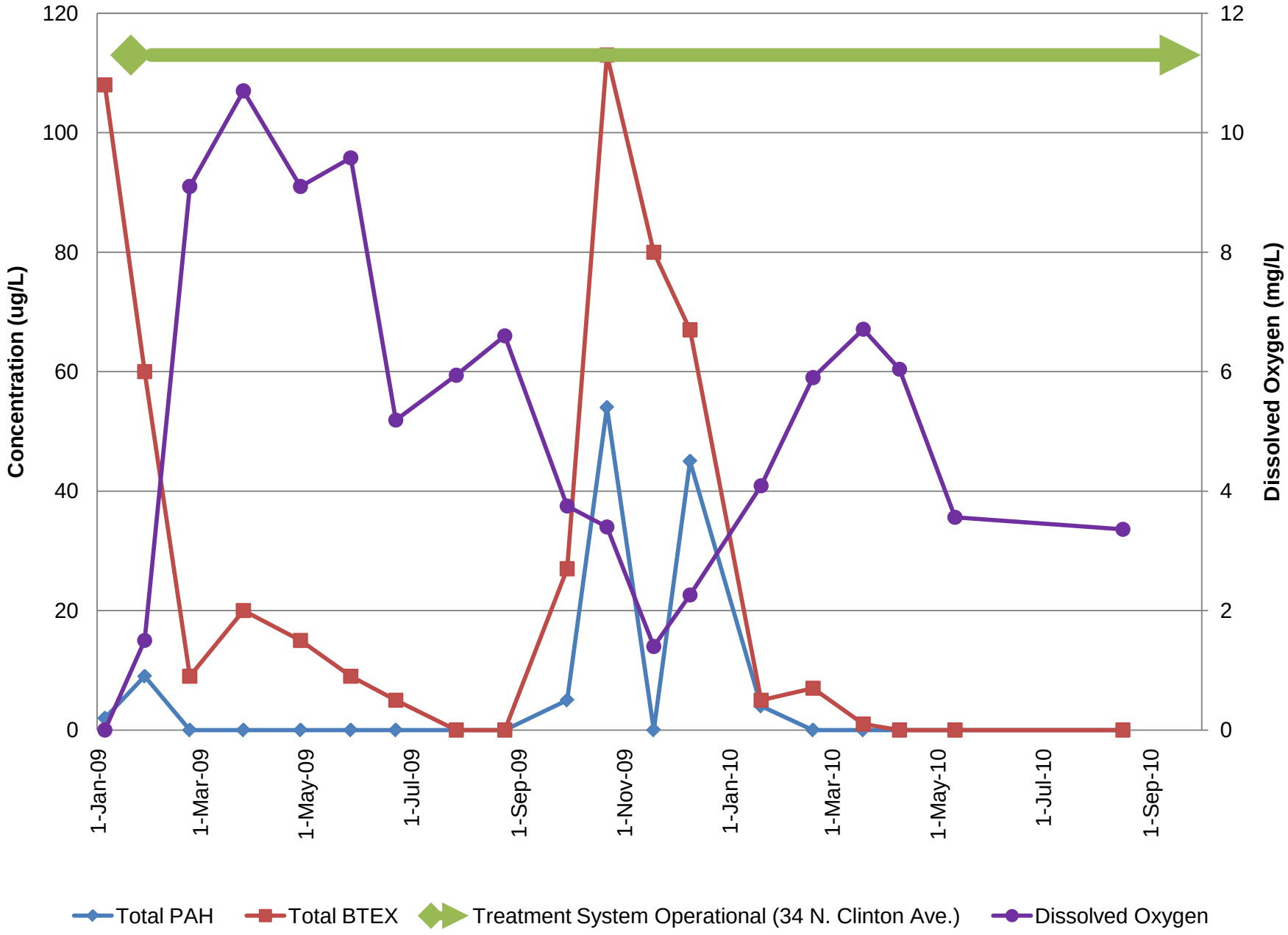


Monitoring Well OU2MW-44I2
45-50 ft bgs

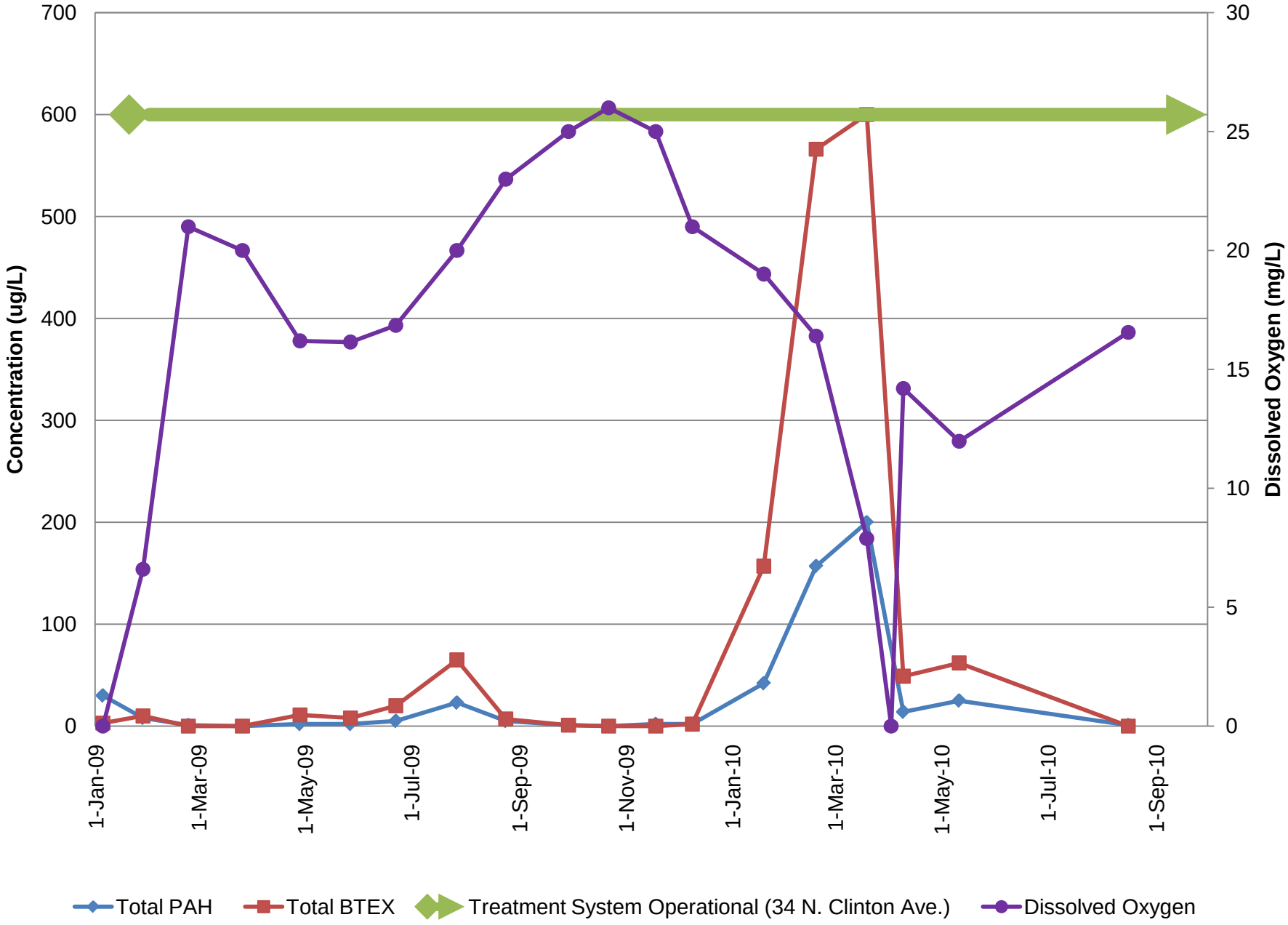



Monitoring Well OU2MW-44D
65-70 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
1.2
1
0.8
0.6
0.4
0.2
0
4
3.5
3
2.5
2
1.5
1
0.5
0
1-Nov-09
1-Dec-09
1-Jan-10
1-Feb-10
1-Mar-10
1-Apr-10
1-May-10
1-Jun-10
1-Jul-10
1-Aug-10
1-Sep-10
Total PAH
Total BTEX
Treatment System Operational (Cooper Lane)
Dissolved Oxygen

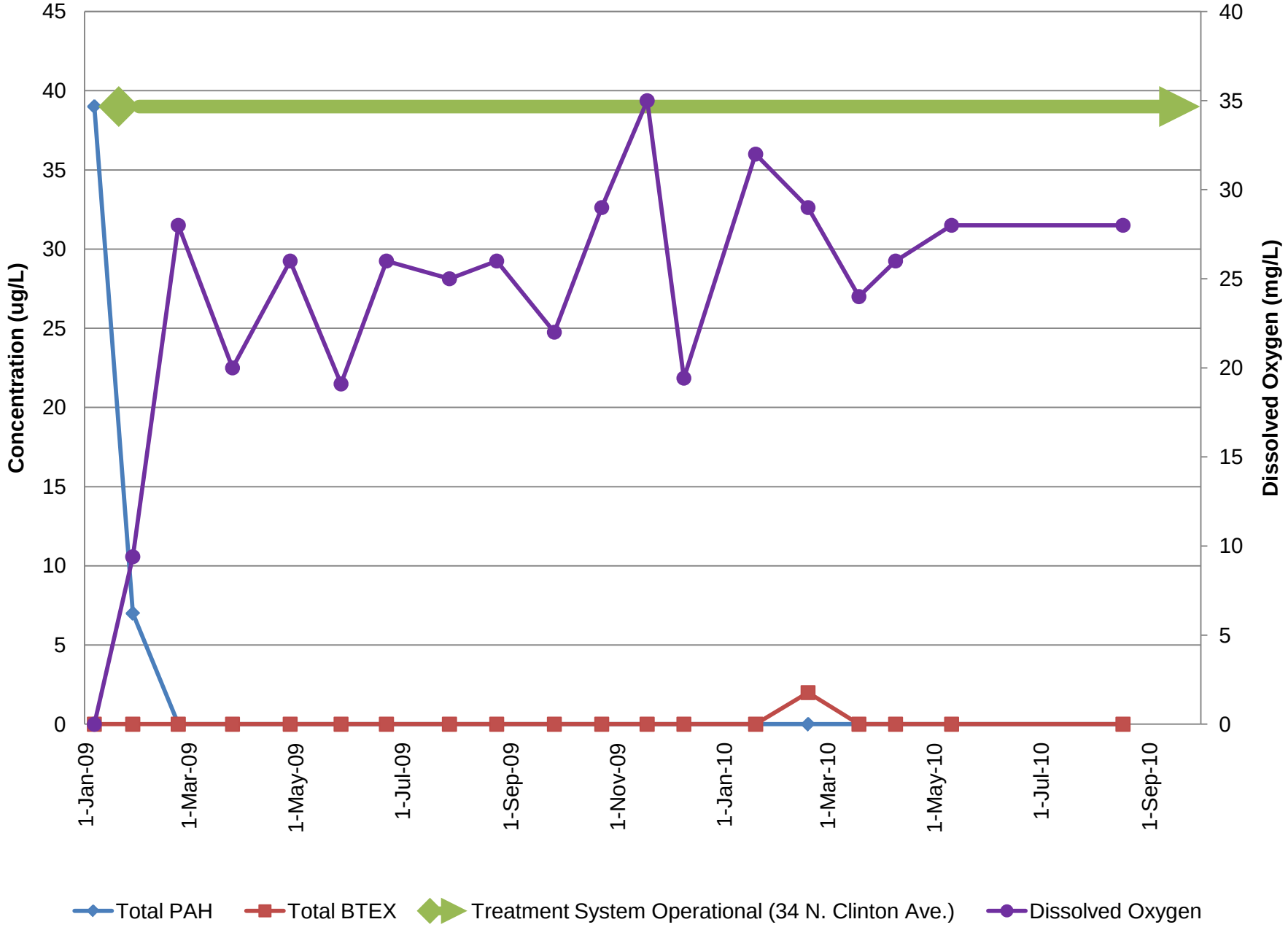
Monitoring Well OU2MW-45S
5-15 ft bgs



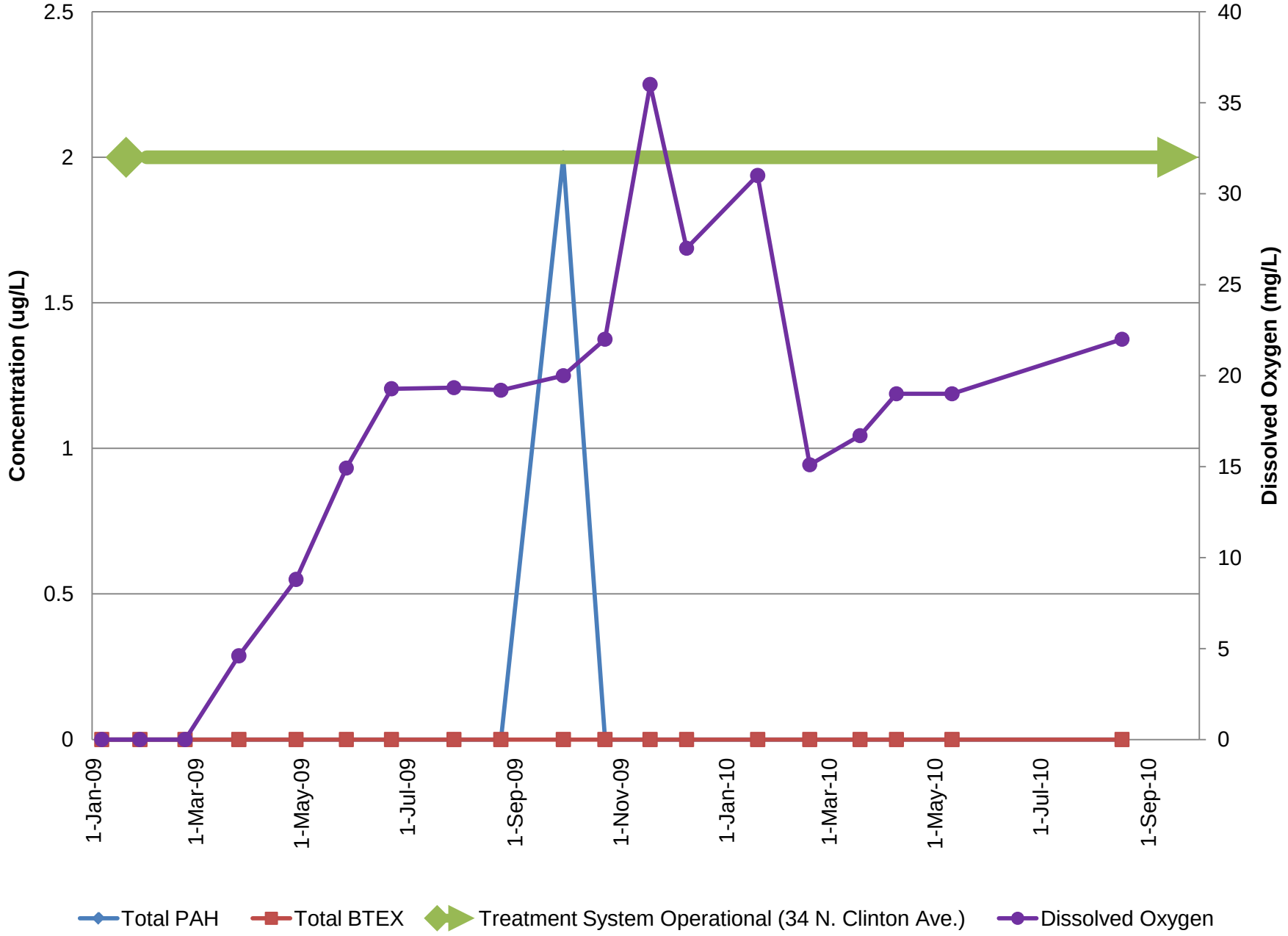
Monitoring Well OU2MW-45I
20-25 ft bgs



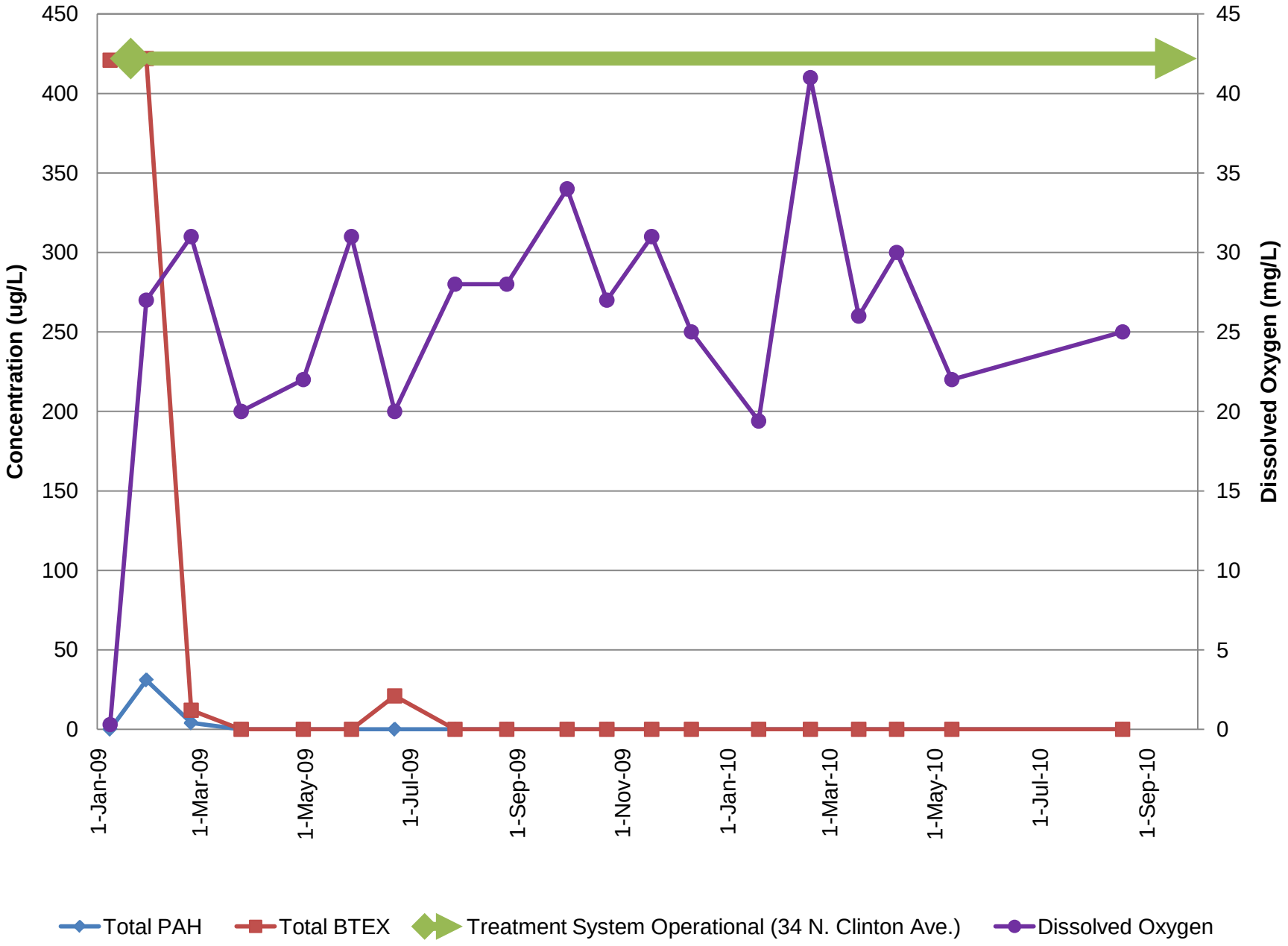
Monitoring Well OU2MW-45I2
40-45 ft bgs



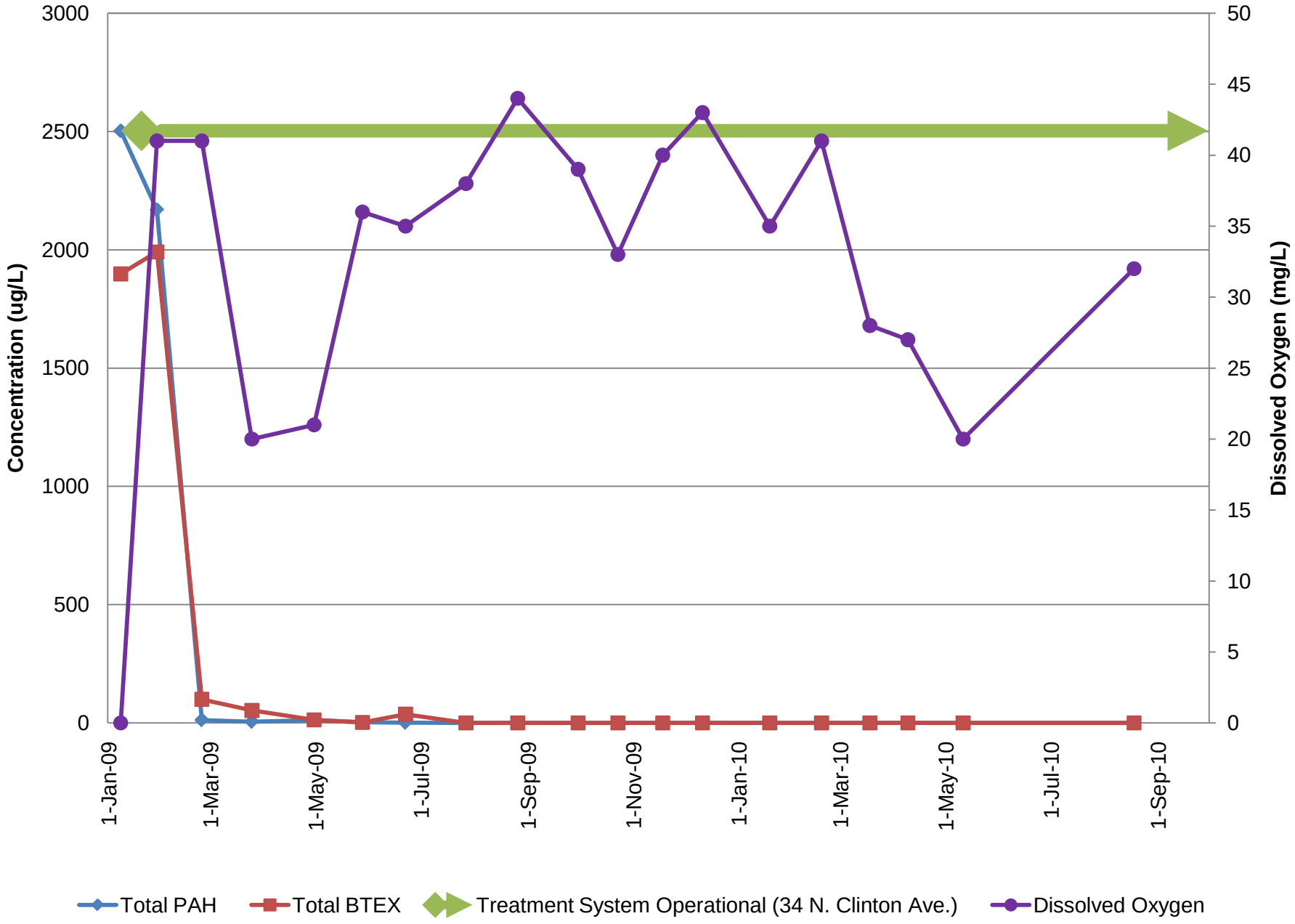
Monitoring Well OU2MW-45D
55-60 ft bgs



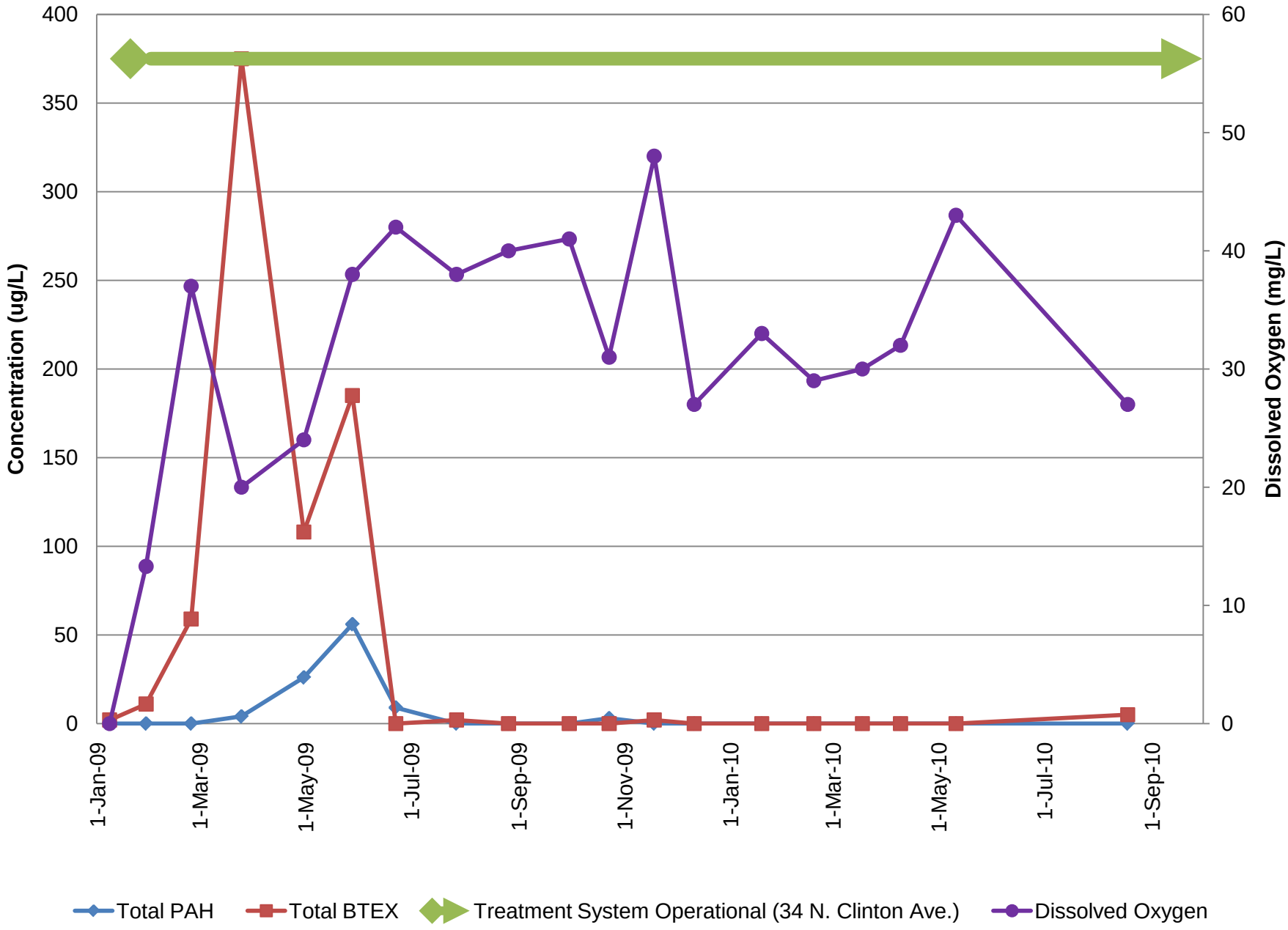
Monitoring Well OU2MW-46S
5-15 ft bgs



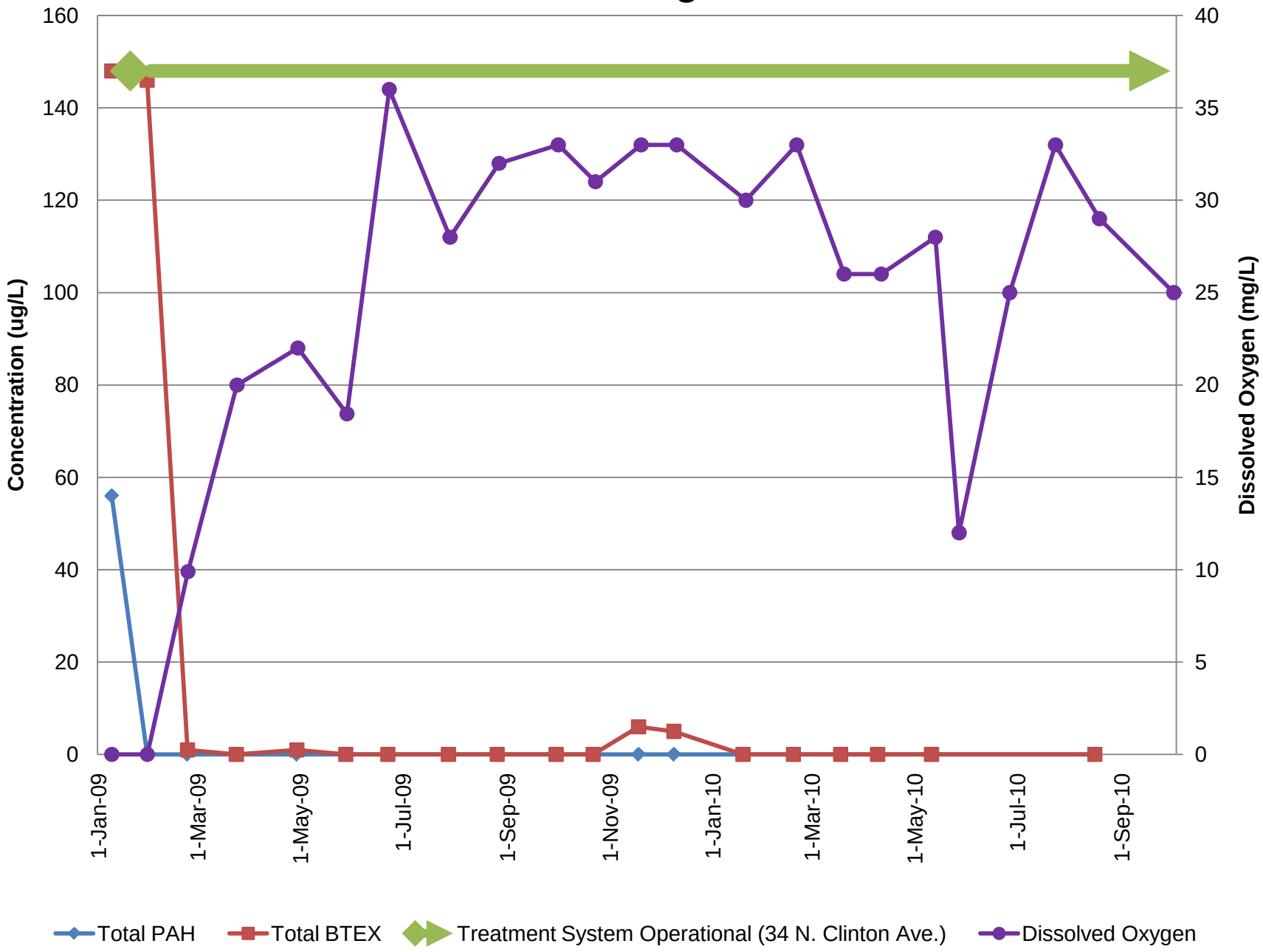
Monitoring Well OU2MW-46I
20-25 ft bgs



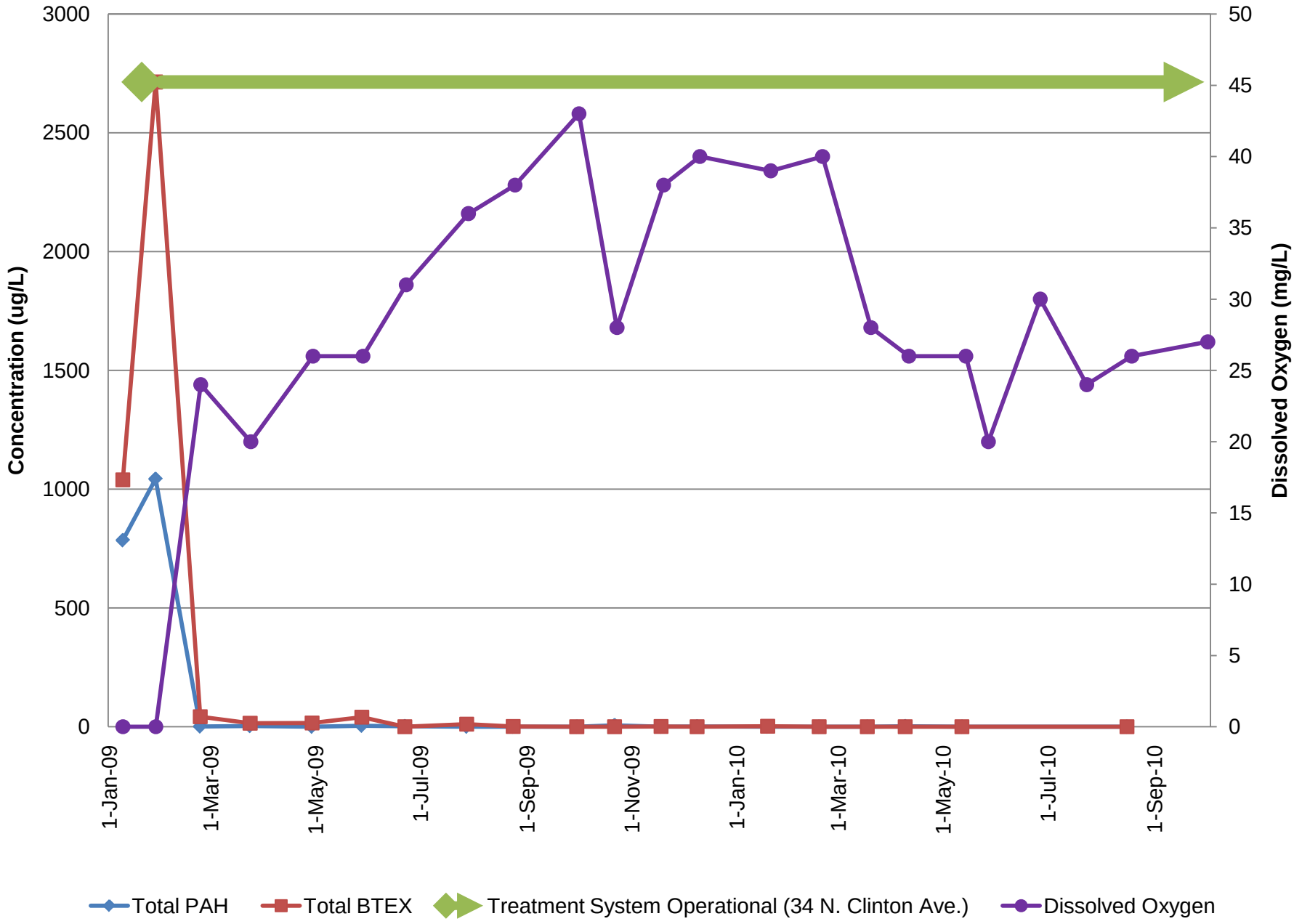
Monitoring Well OU2MW-46I2
40-45 ft bgs



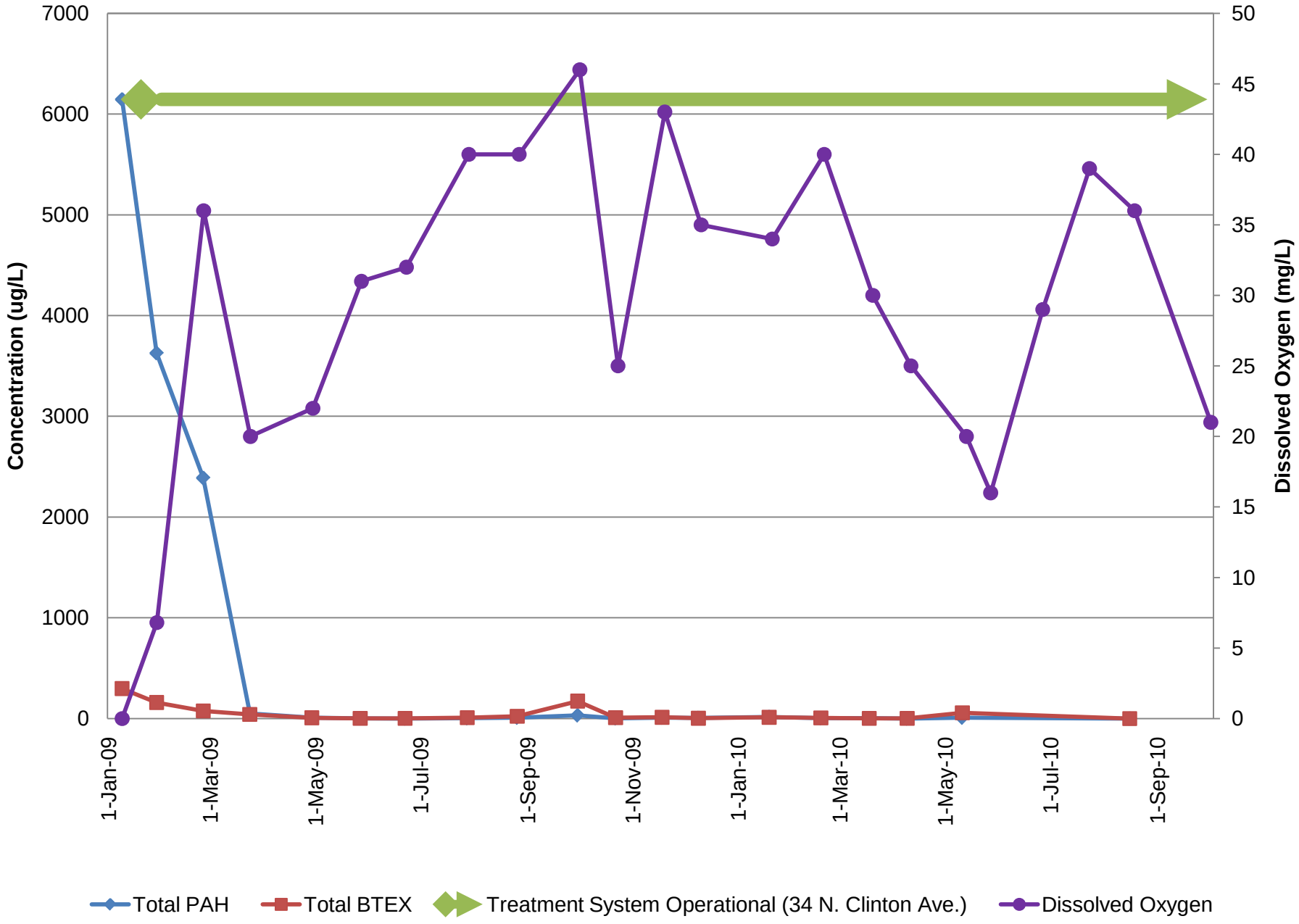
Monitoring Well OU2MW-47S
5-15 ft bgs



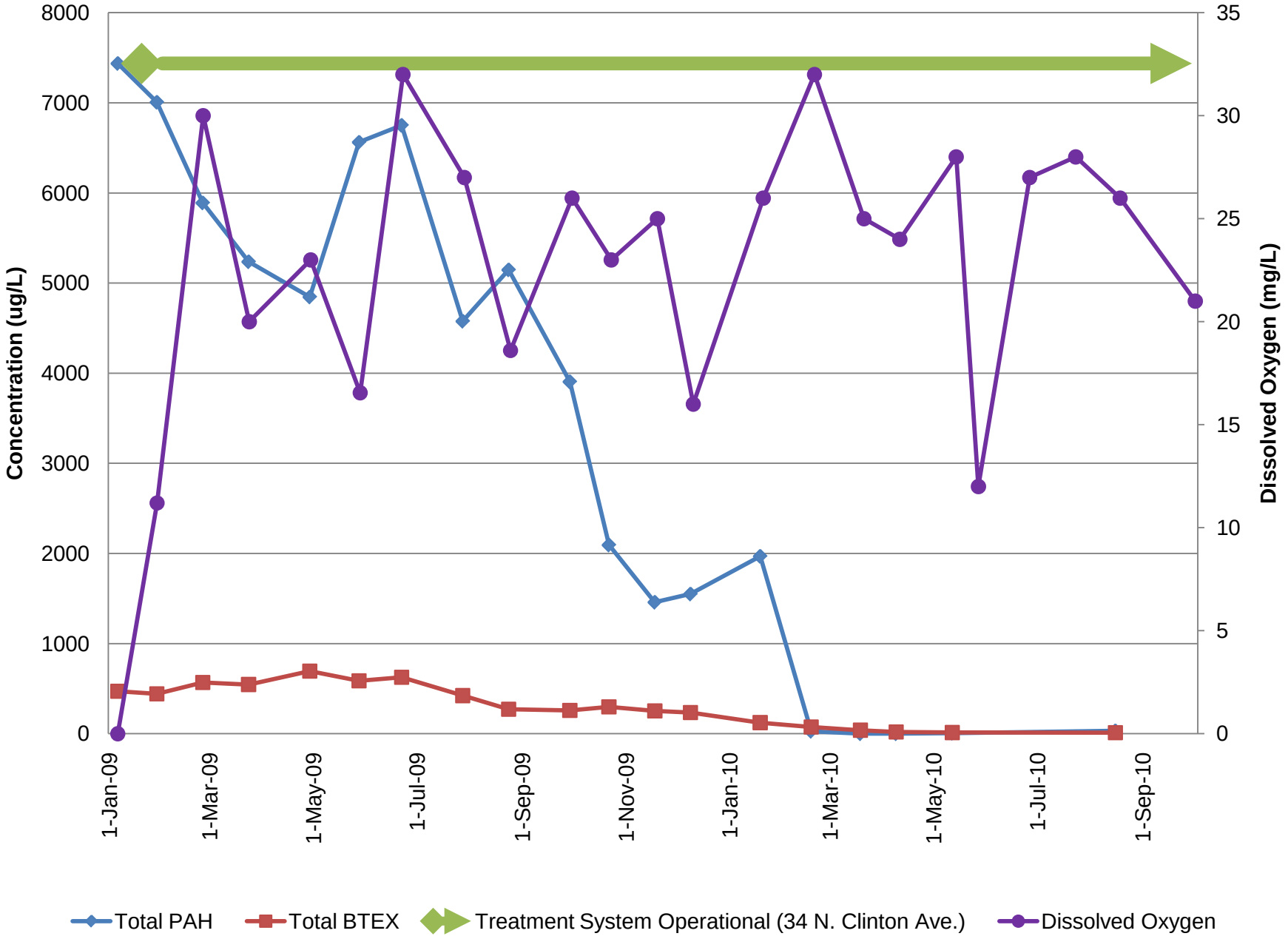
Monitoring Well OU2MW-47I
20-25 ft bgs



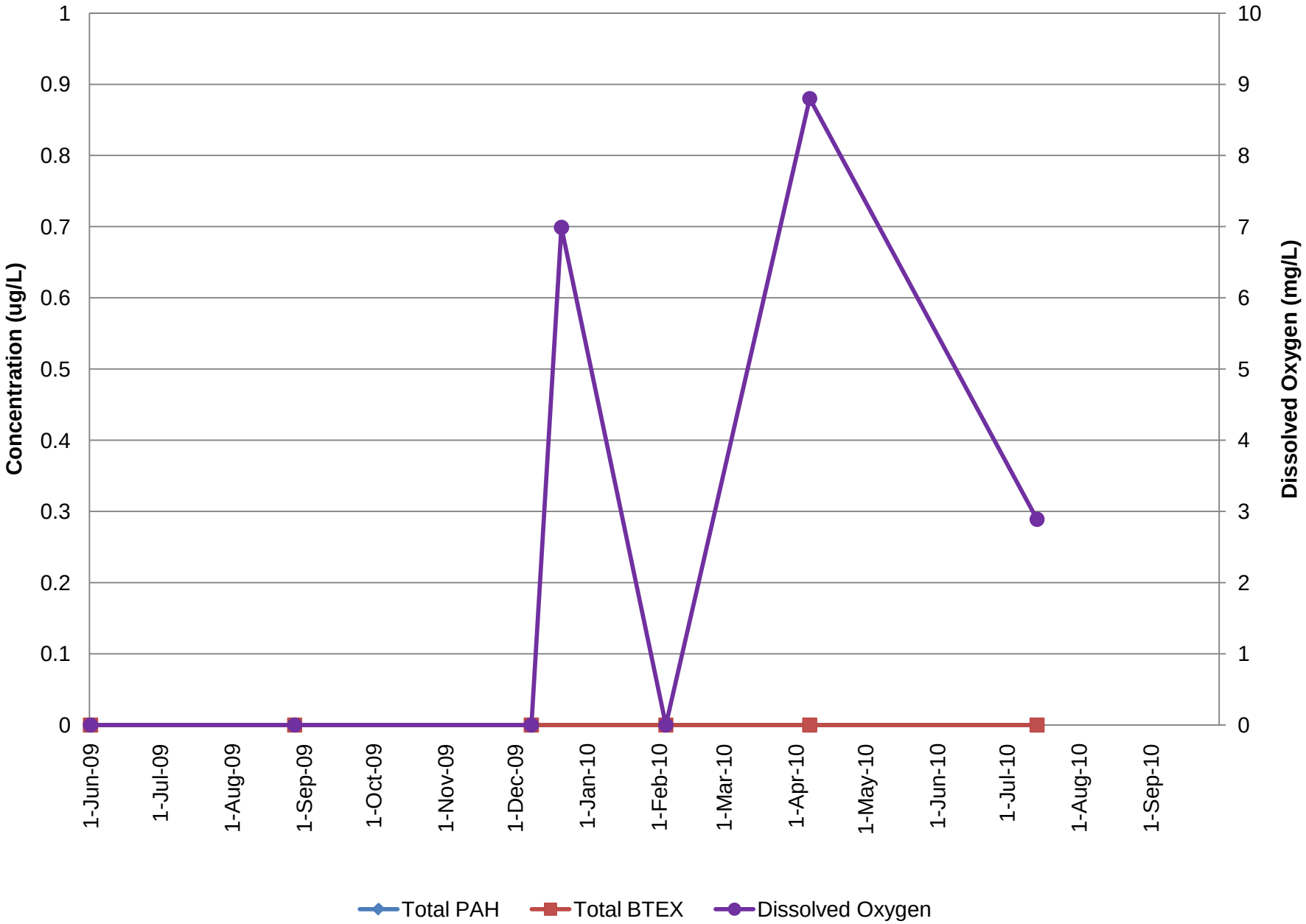
Monitoring Well OU2MW-47I2
40-45 ft bgs



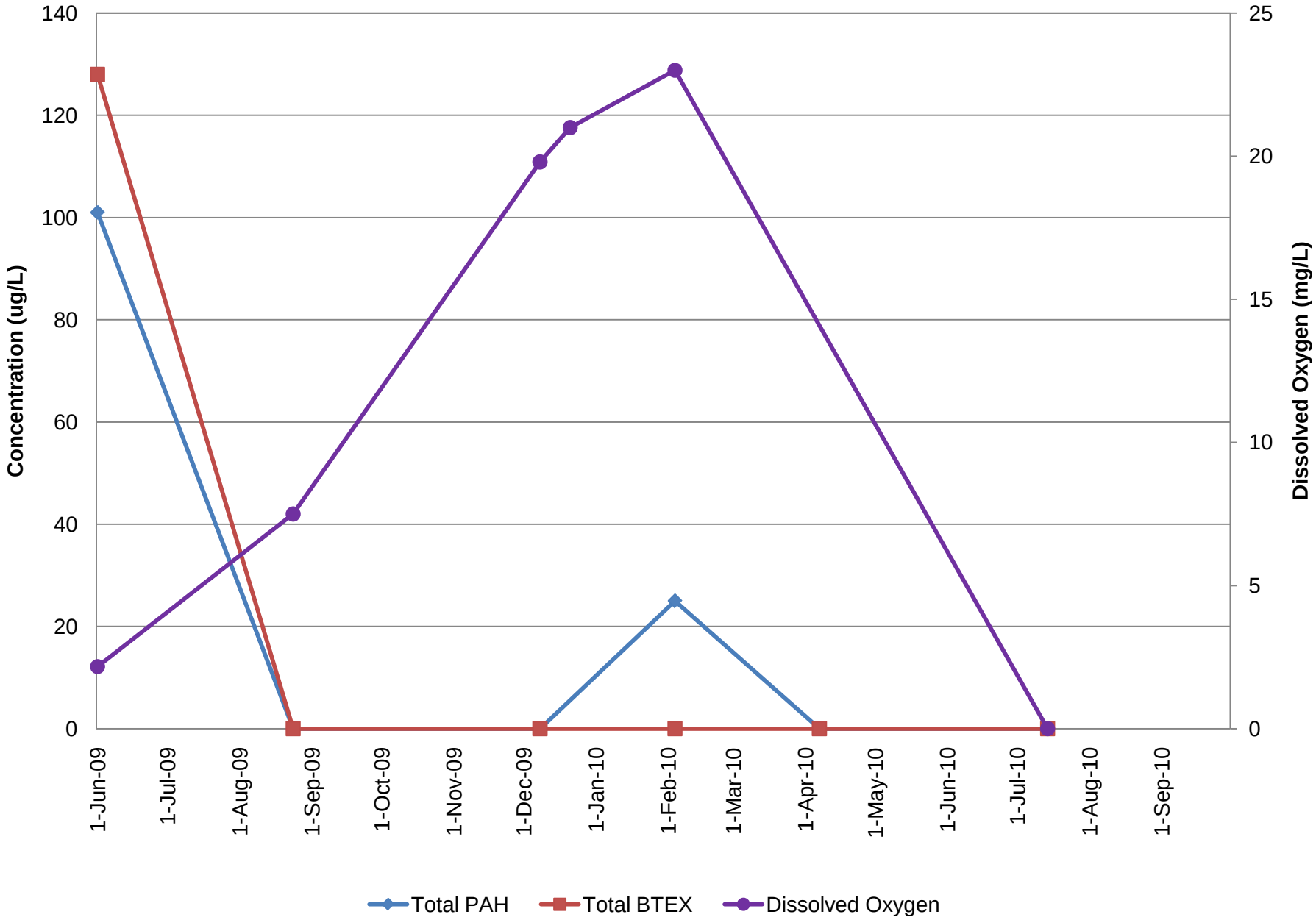
Monitoring Well OU2MW-47D
60-65 ft bgs



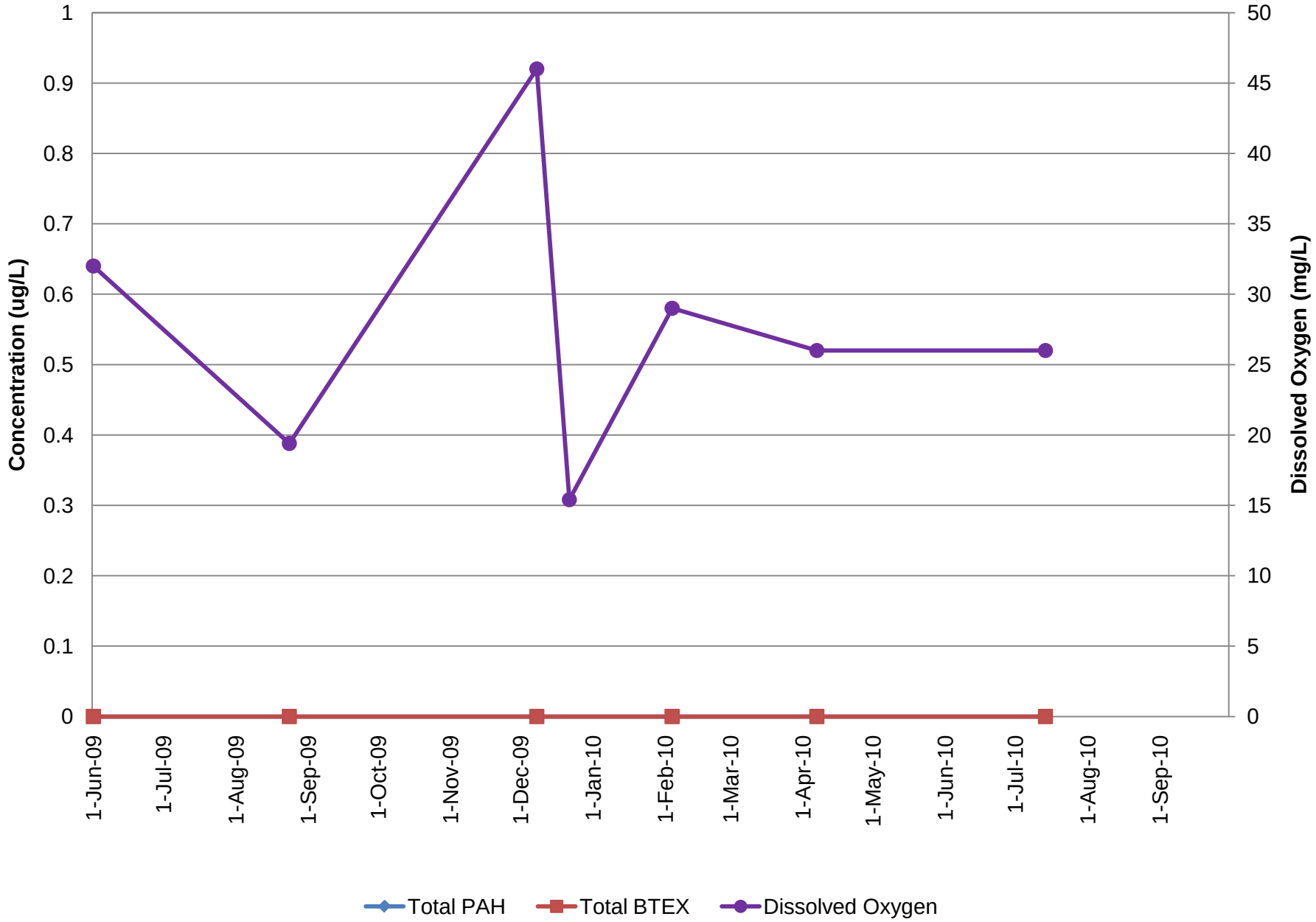
Monitoring Well OU2MW-52S
3-8 ft bgs



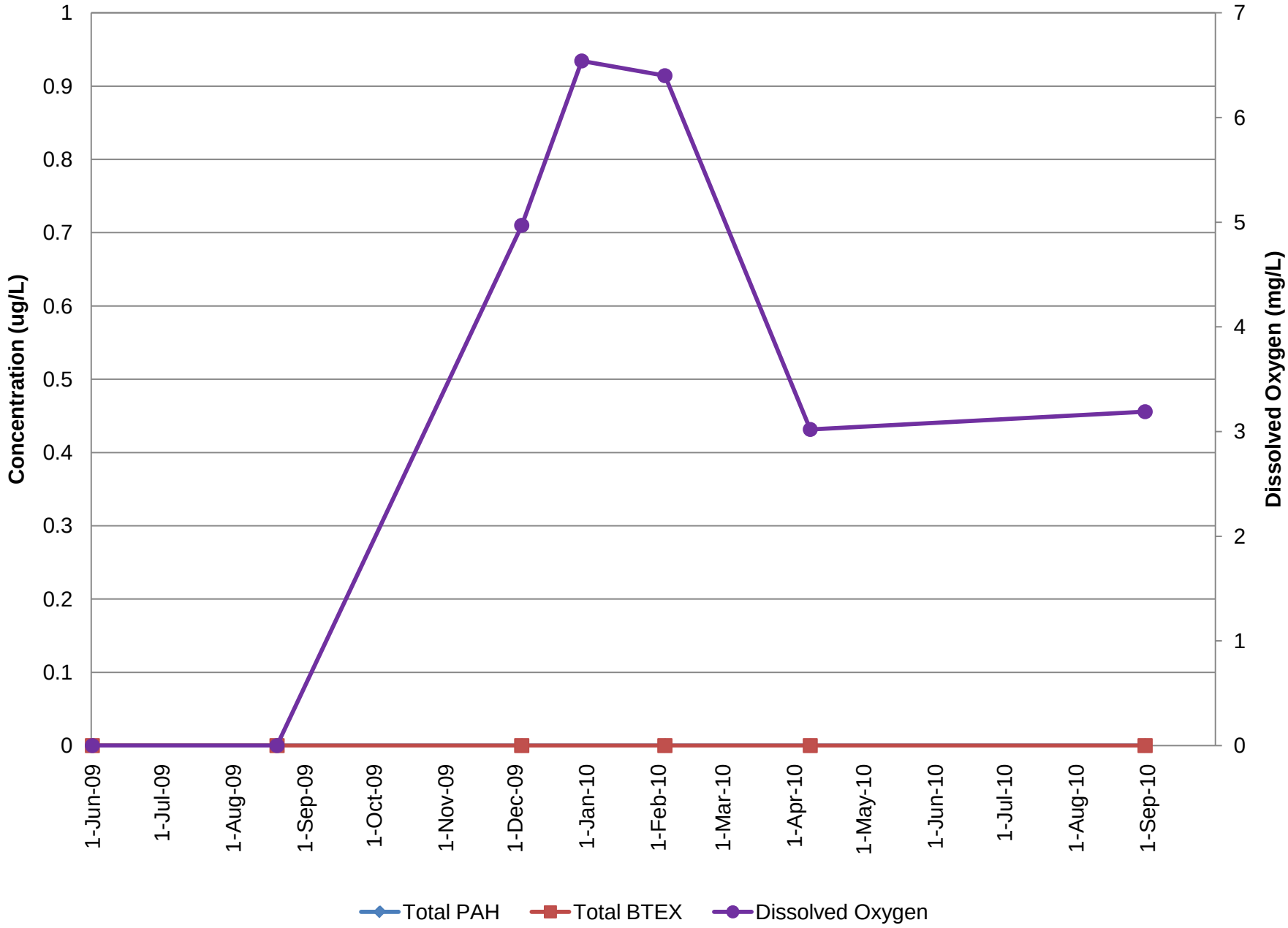
Monitoring Well OU2MW-52I
20-25 ft bgs



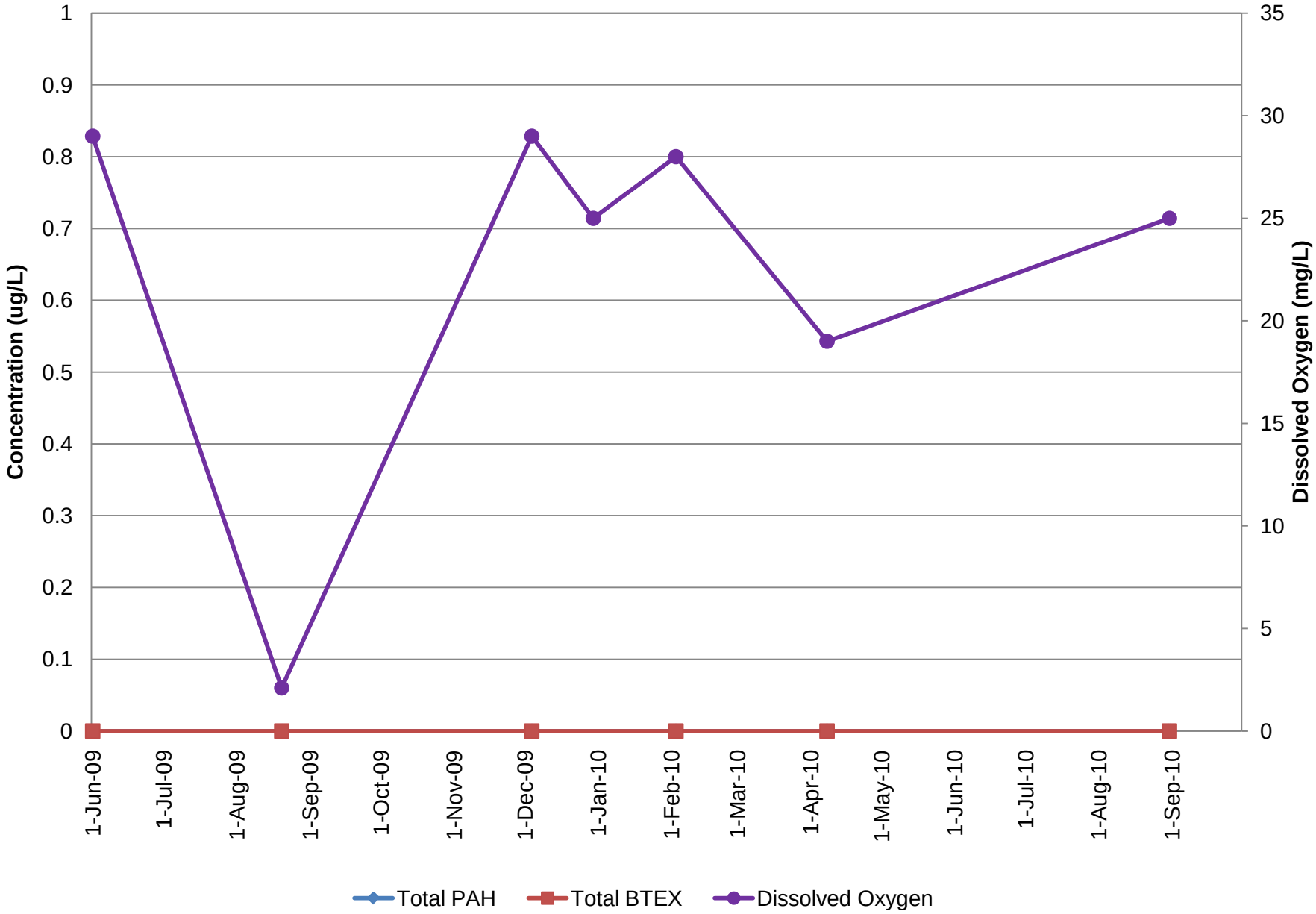
Monitoring Well OU2MW-52D
35-40 ft bgs



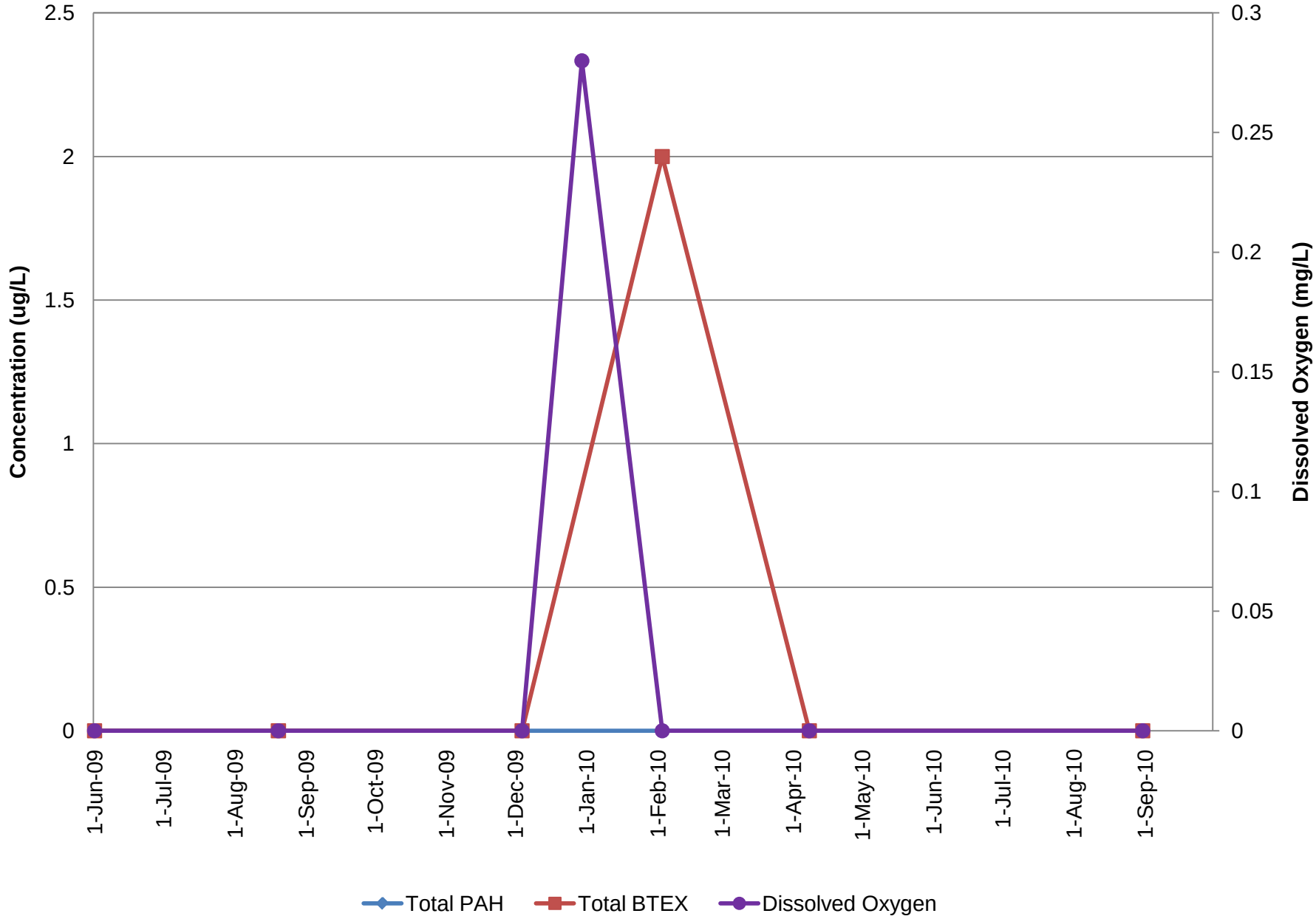
Monitoring Well OU2MW-53S
3-8 ft bgs



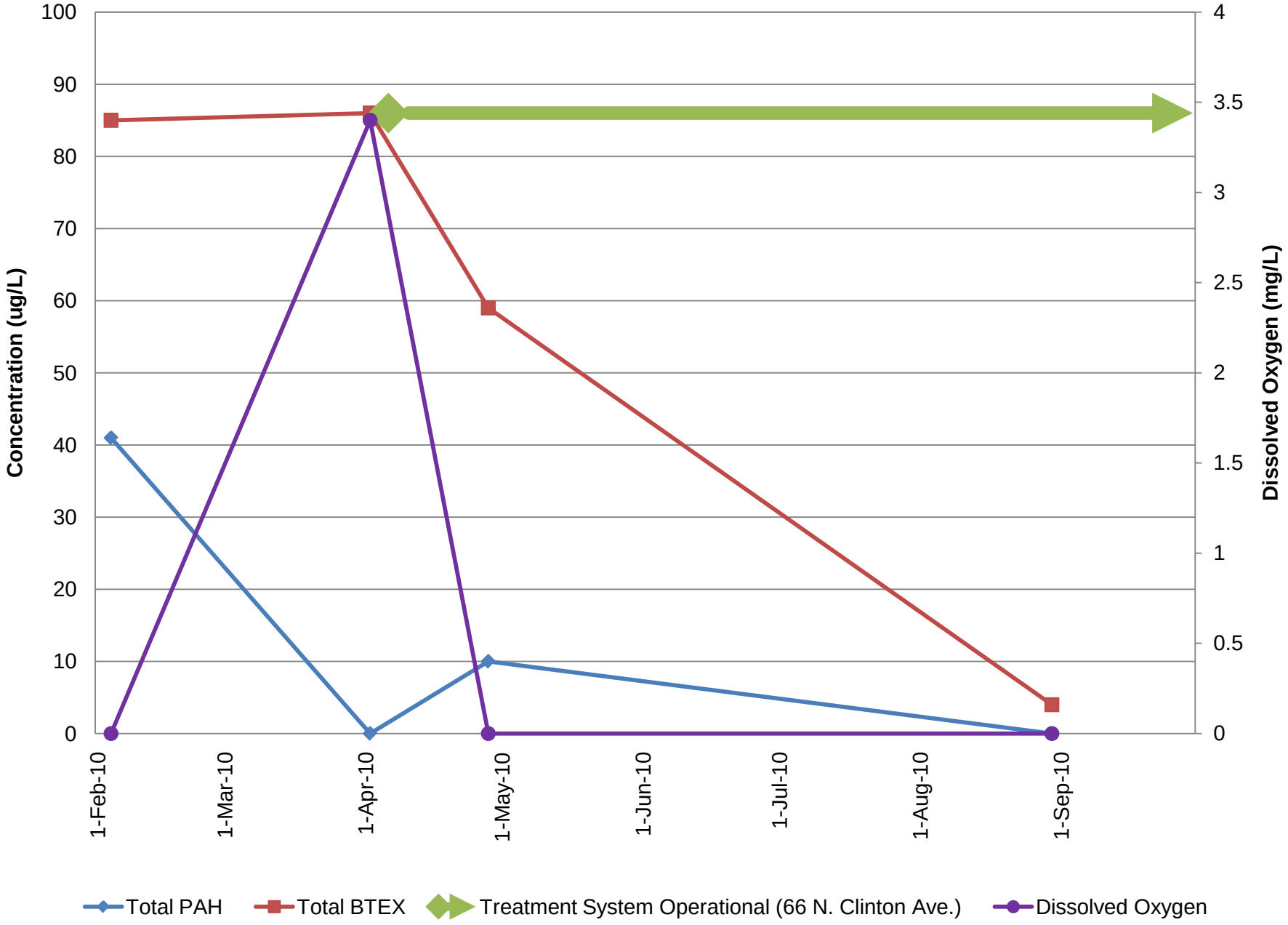
Monitoring Well OU2MW-53I
20-25 ft bgs



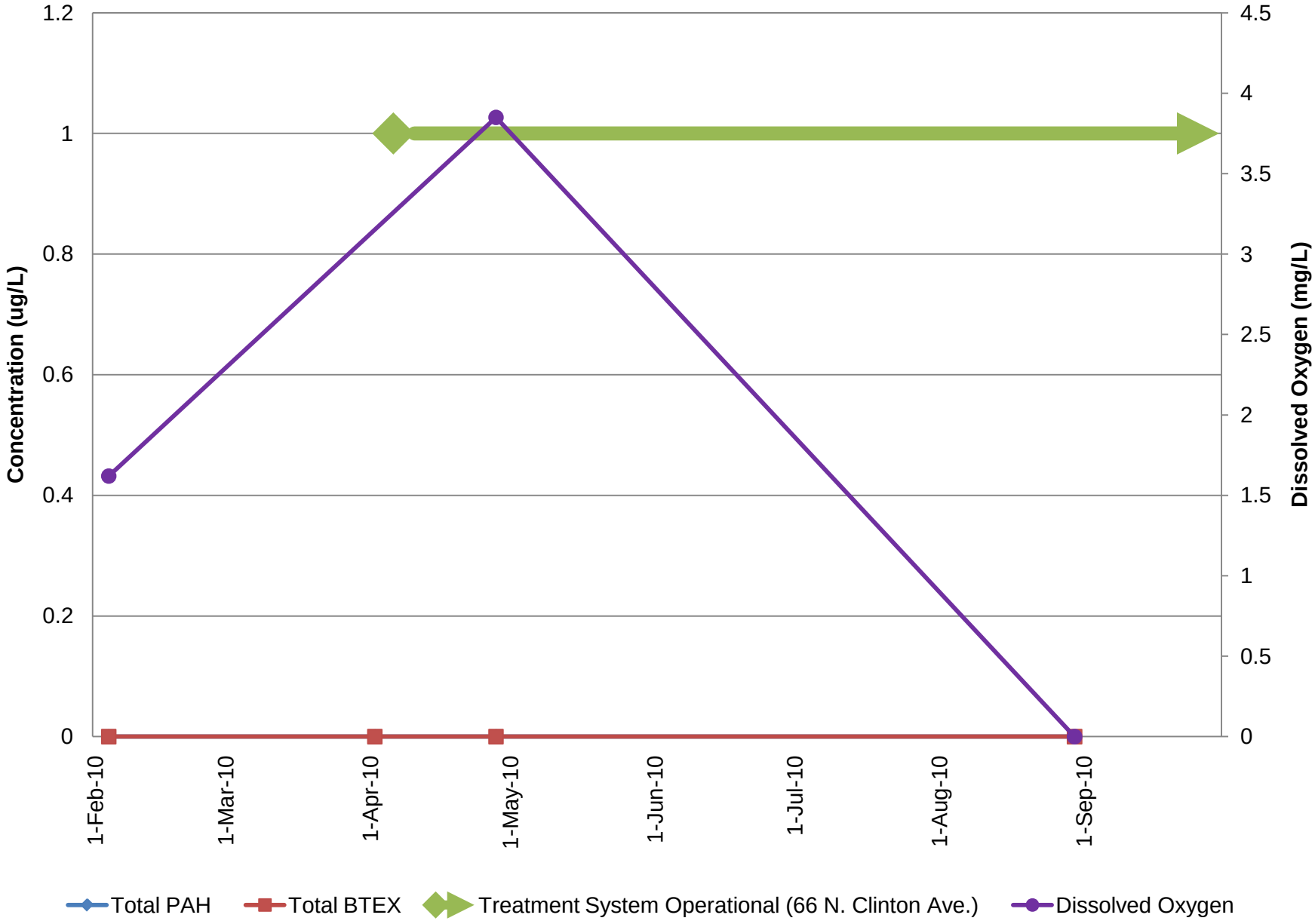
Monitoring Well OU2MW-53D
35-40 ft bgs



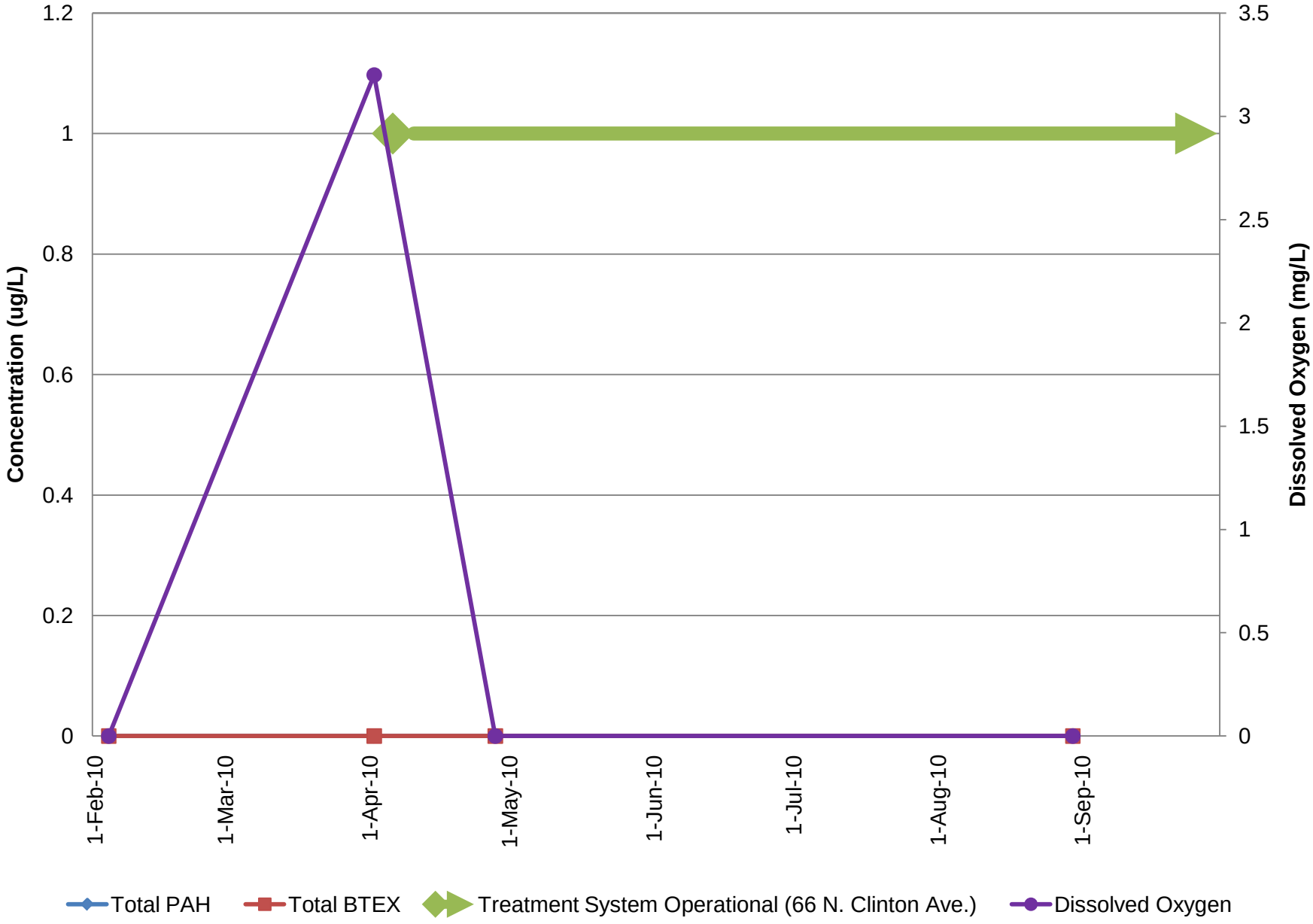
Monitoring Well OU2MW-54S
5-15 ft bgs



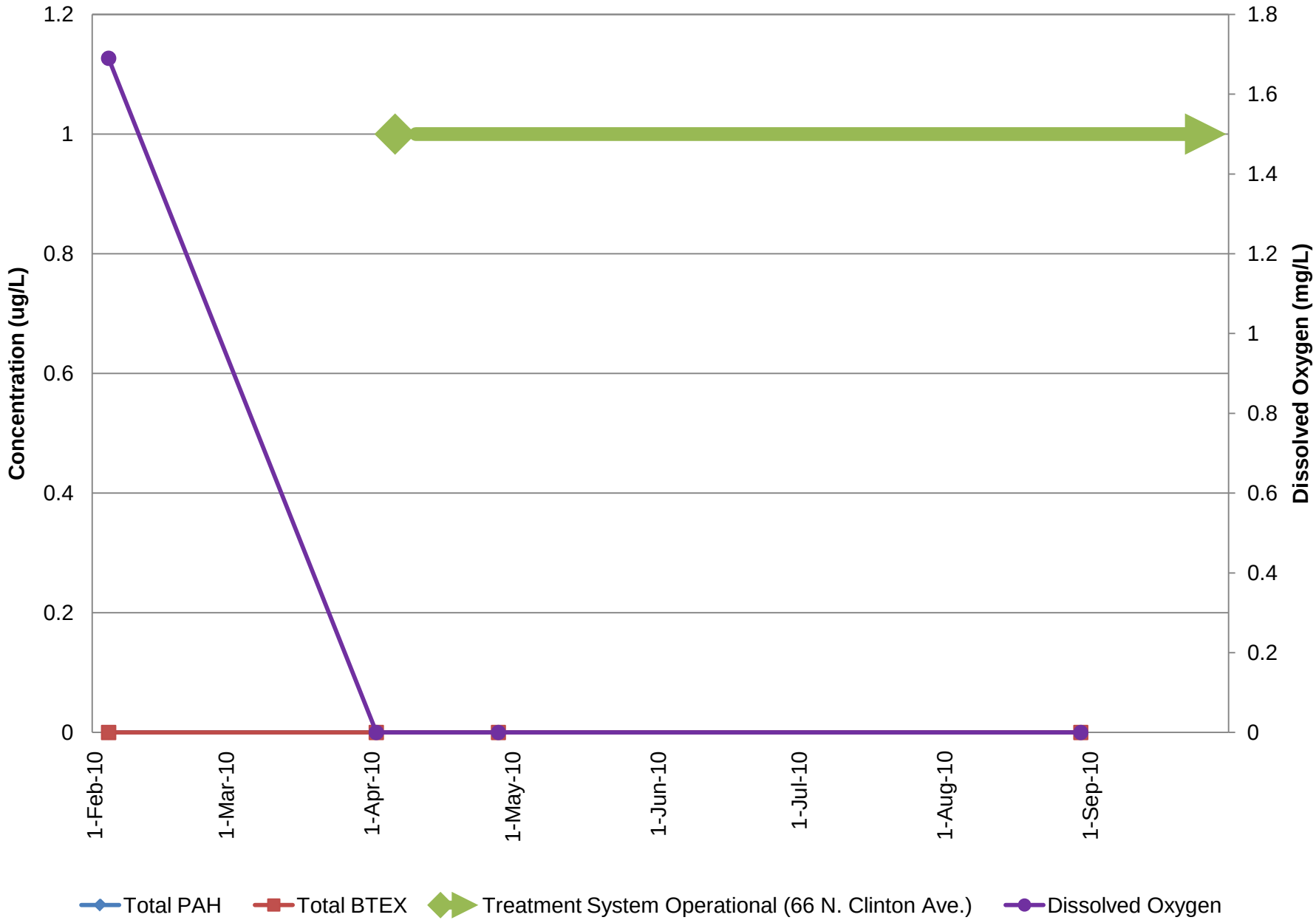
Monitoring Well OU2MW-54I
25-30 ft bgs



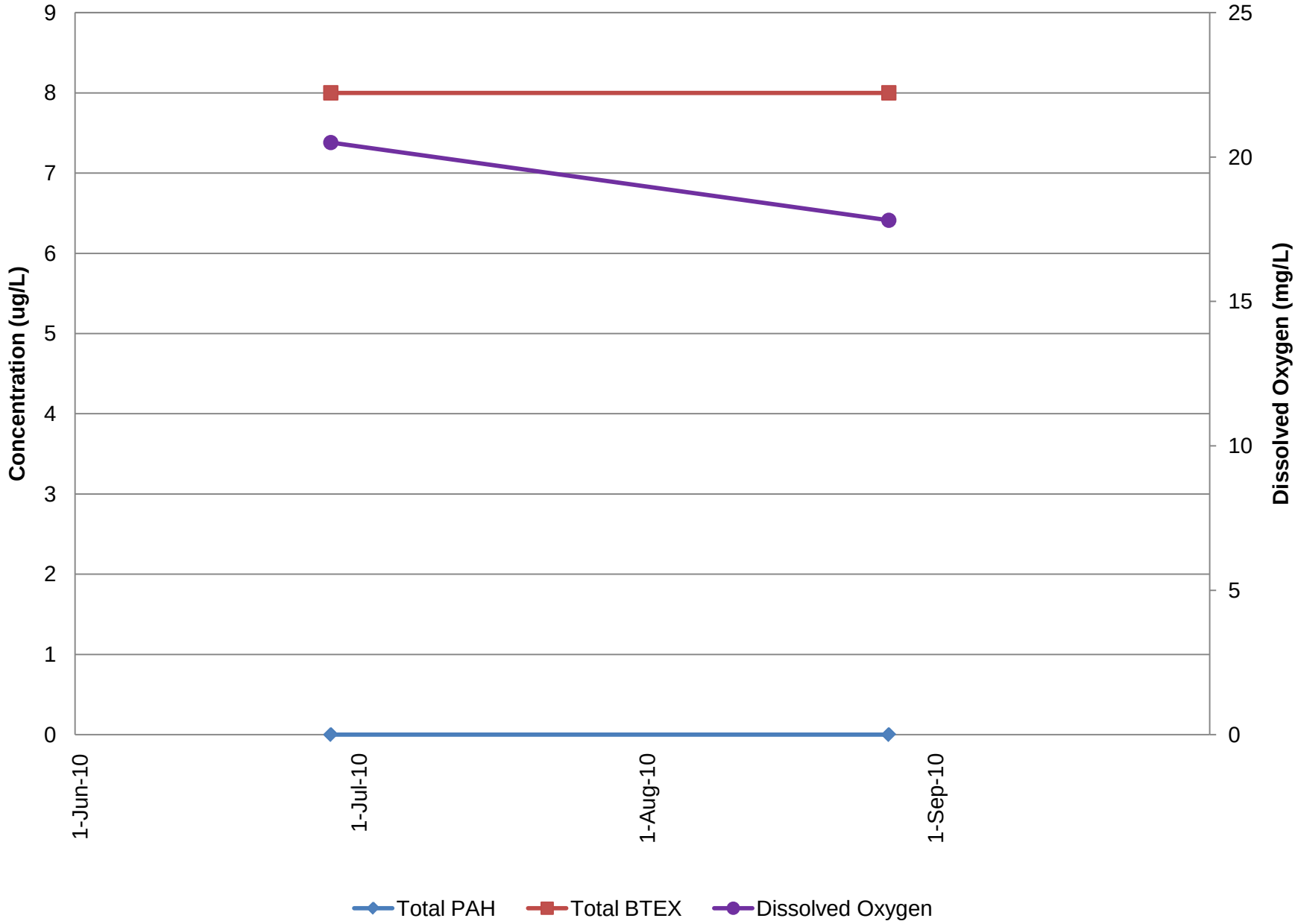
Monitoring Well OU2MW-54I2
40-45 ft bgs



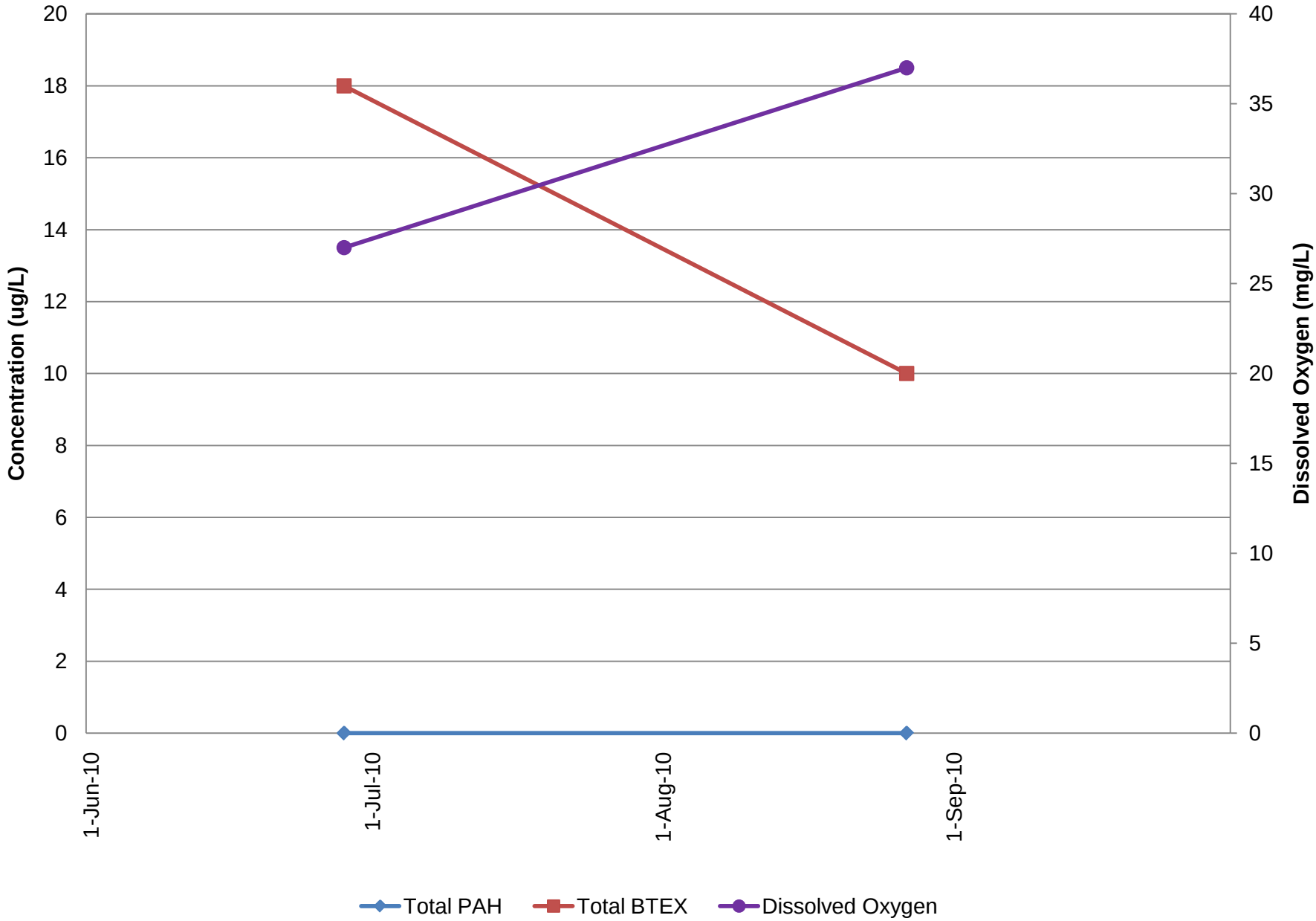
Monitoring Well OU2MW-54D
60-65 ft bgs



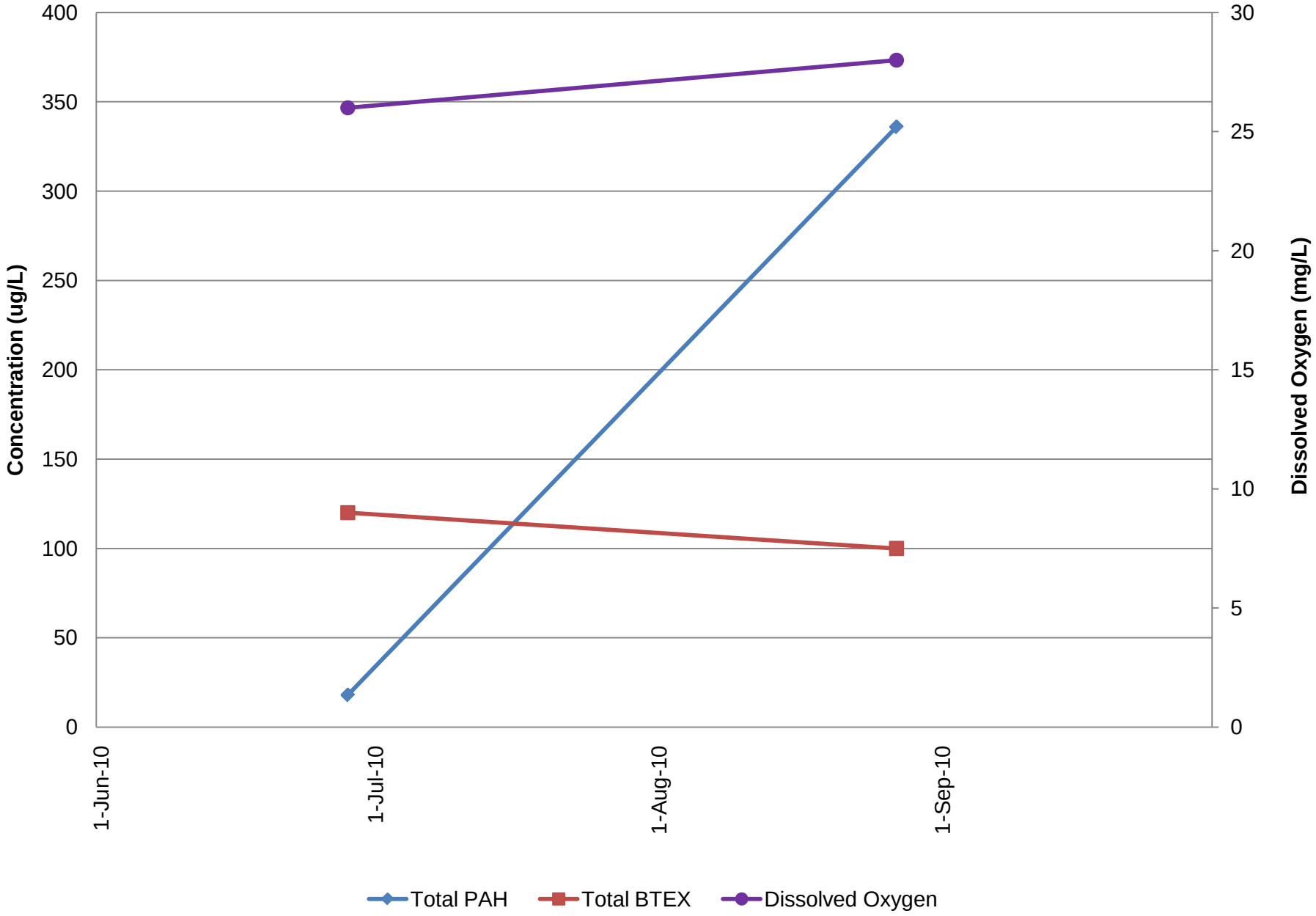
Monitoring Well OU2MW-55S
5-15 ft bgs



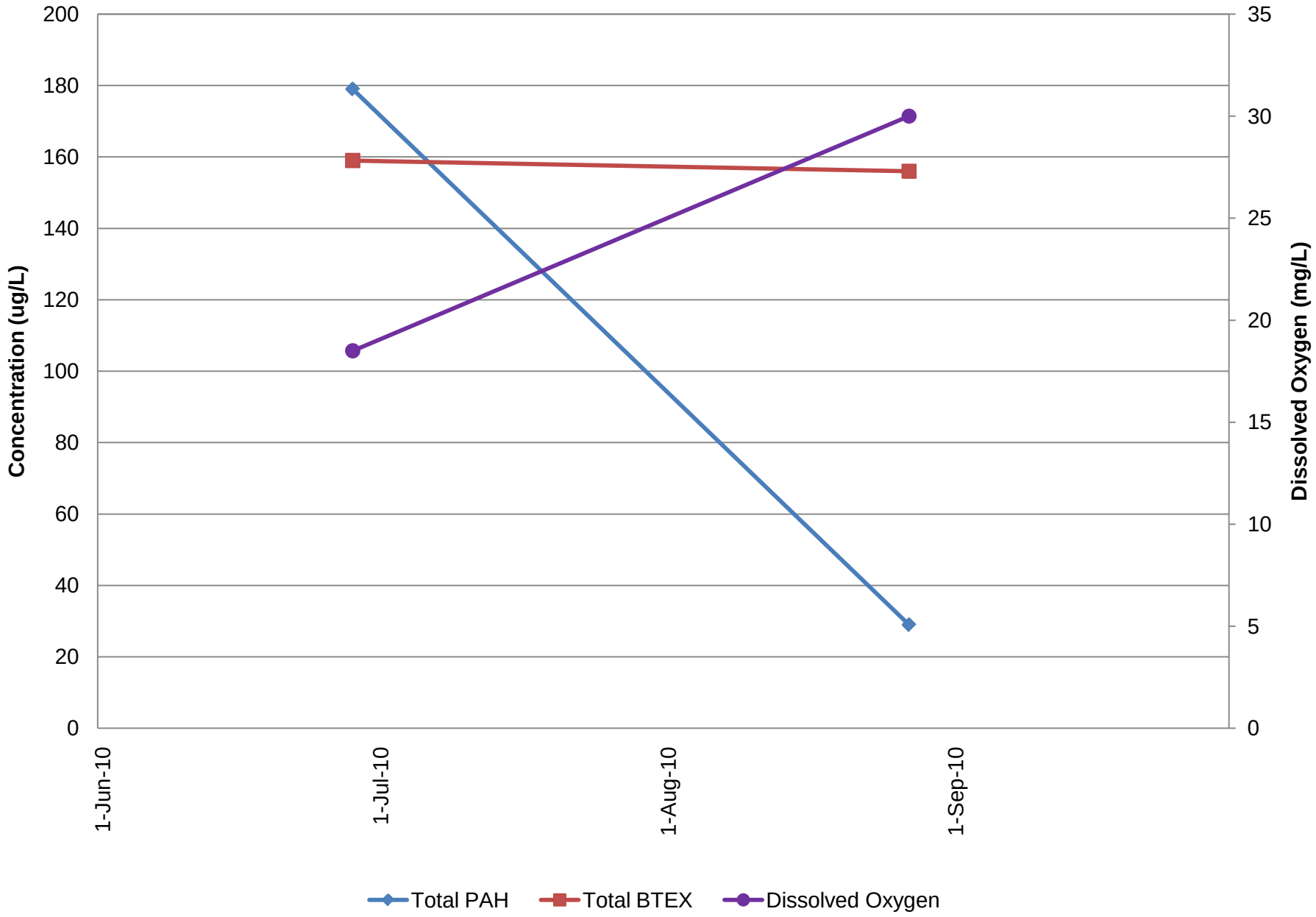
Monitoring Well OU2MW-55I
30-35 ft bgs



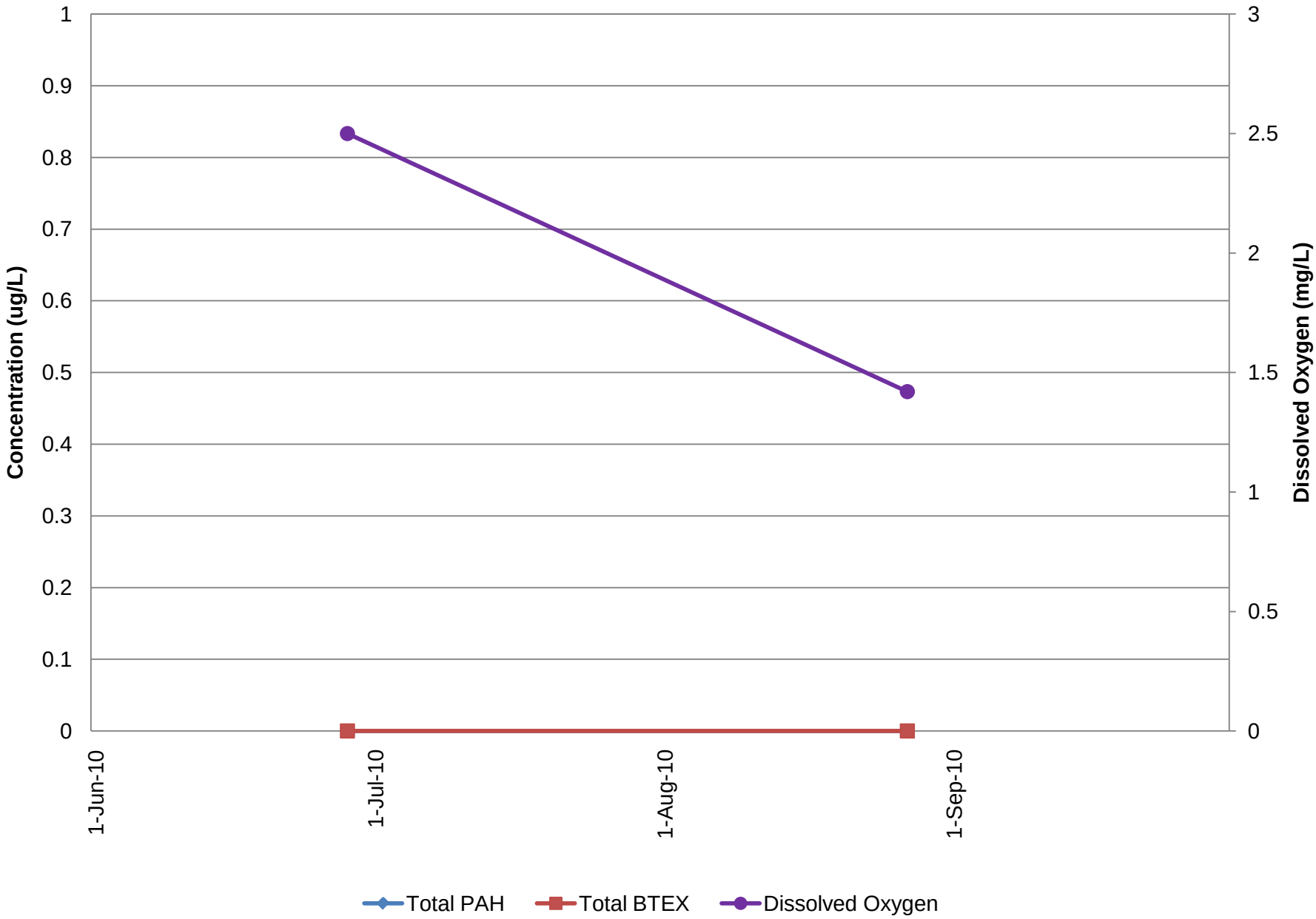
Monitoring Well OU2MW-55I2
50-55 ft bgs



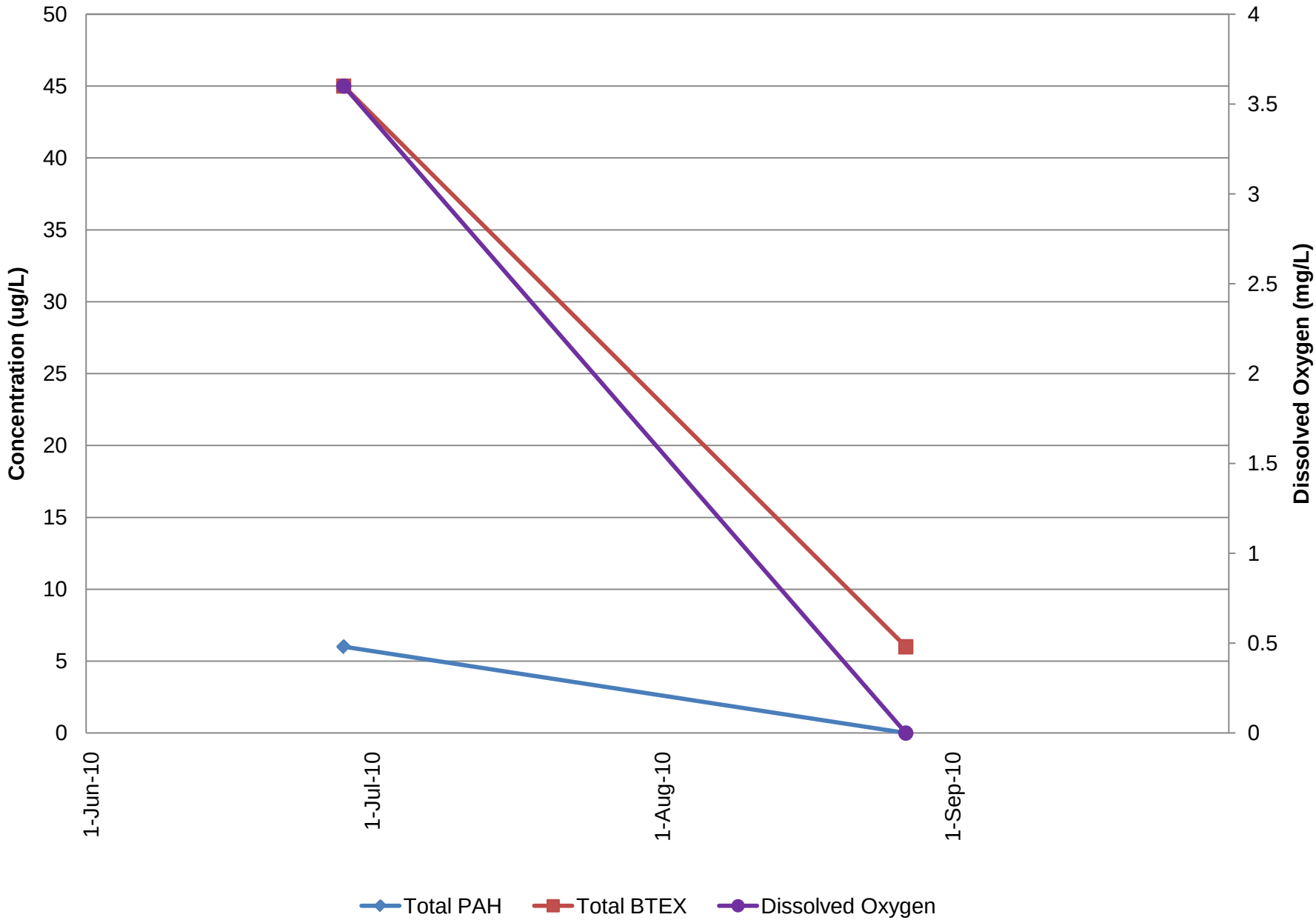
Monitoring Well OU2MW-55D
65-70 ft bgs



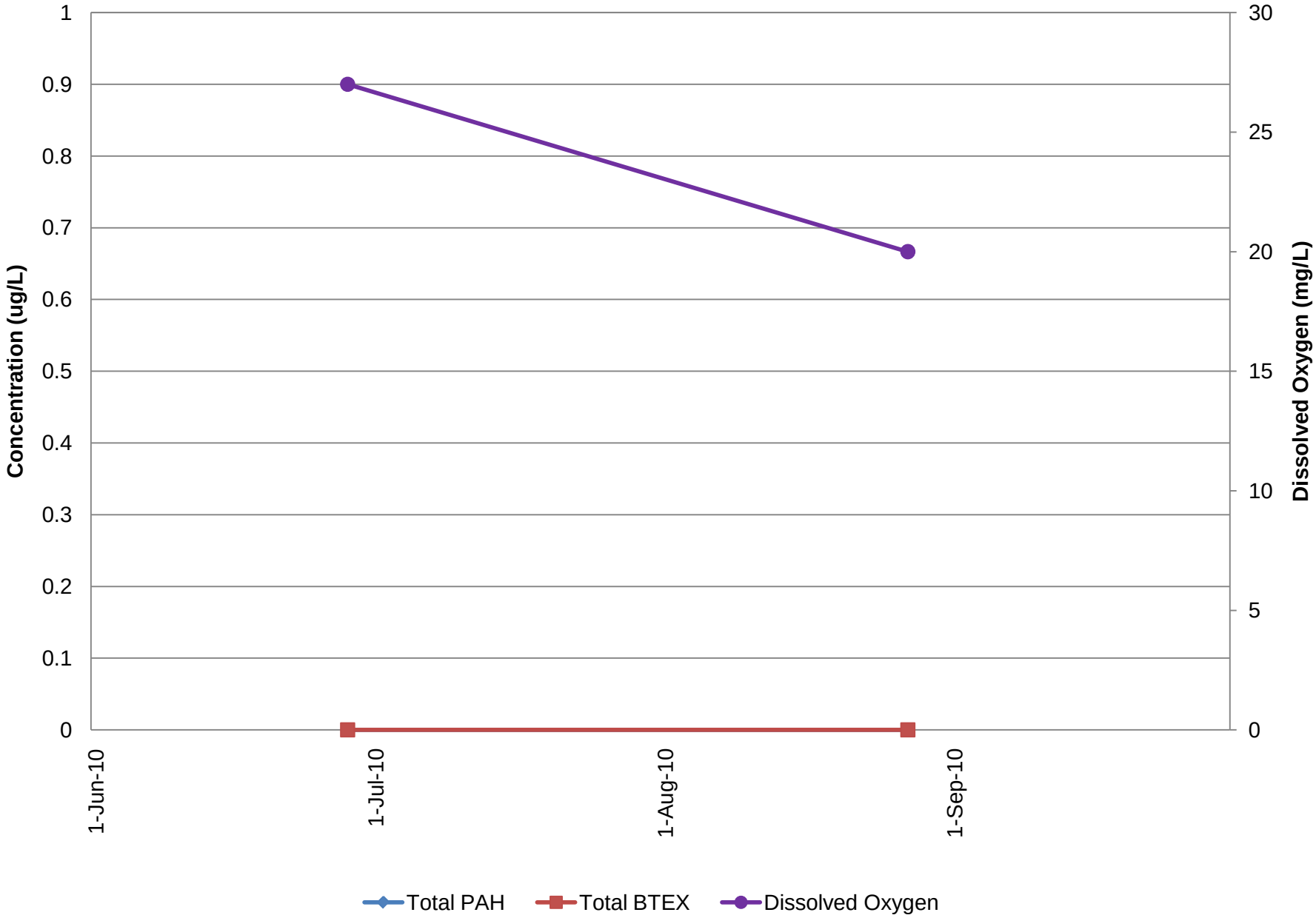
Monitoring Well OU2MW-56S
5-15 ft bgs



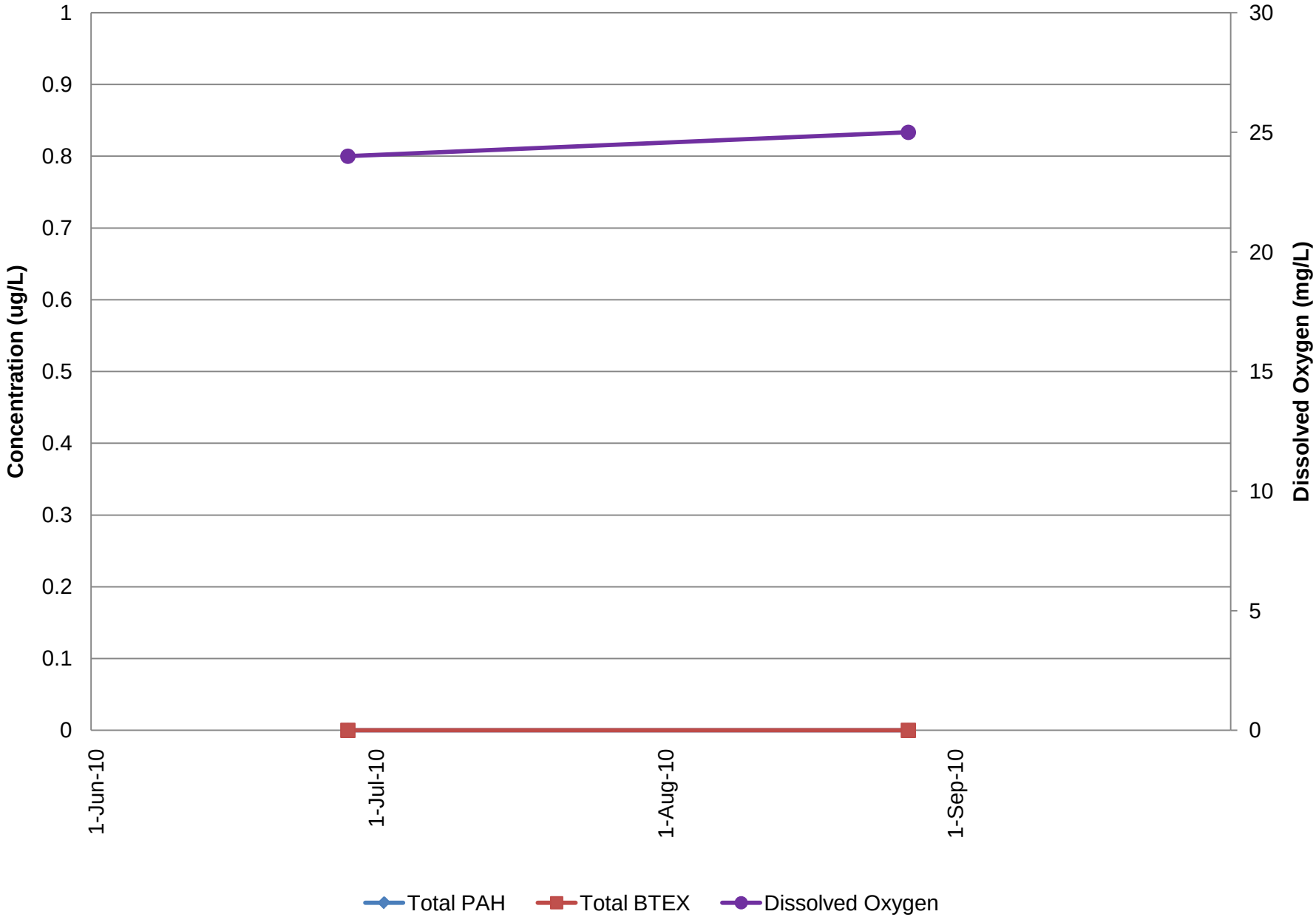
Monitoring Well OU2MW-56I
25-30 ft bgs



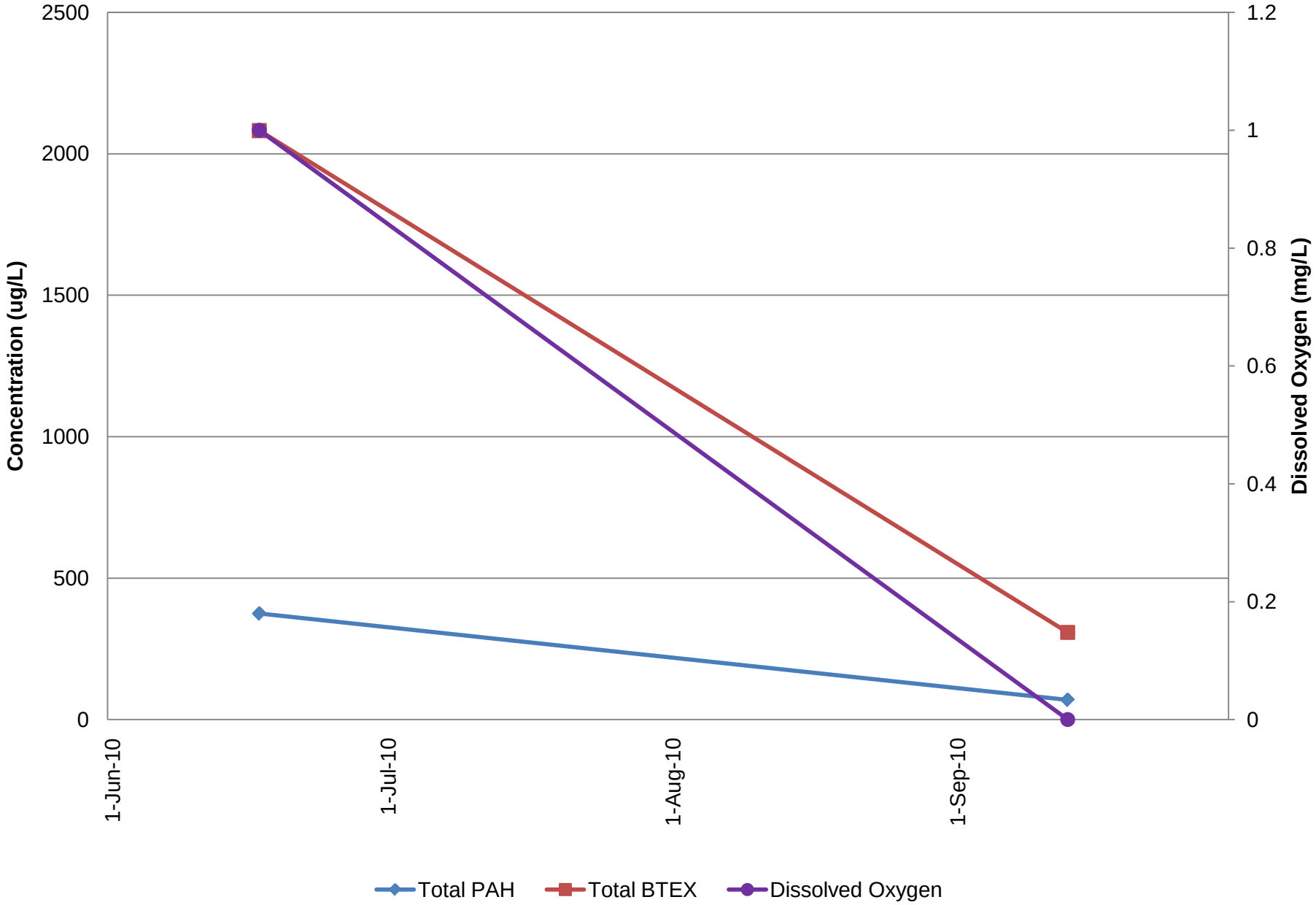
Monitoring Well OU2MW-56I2
45-50 ft bgs



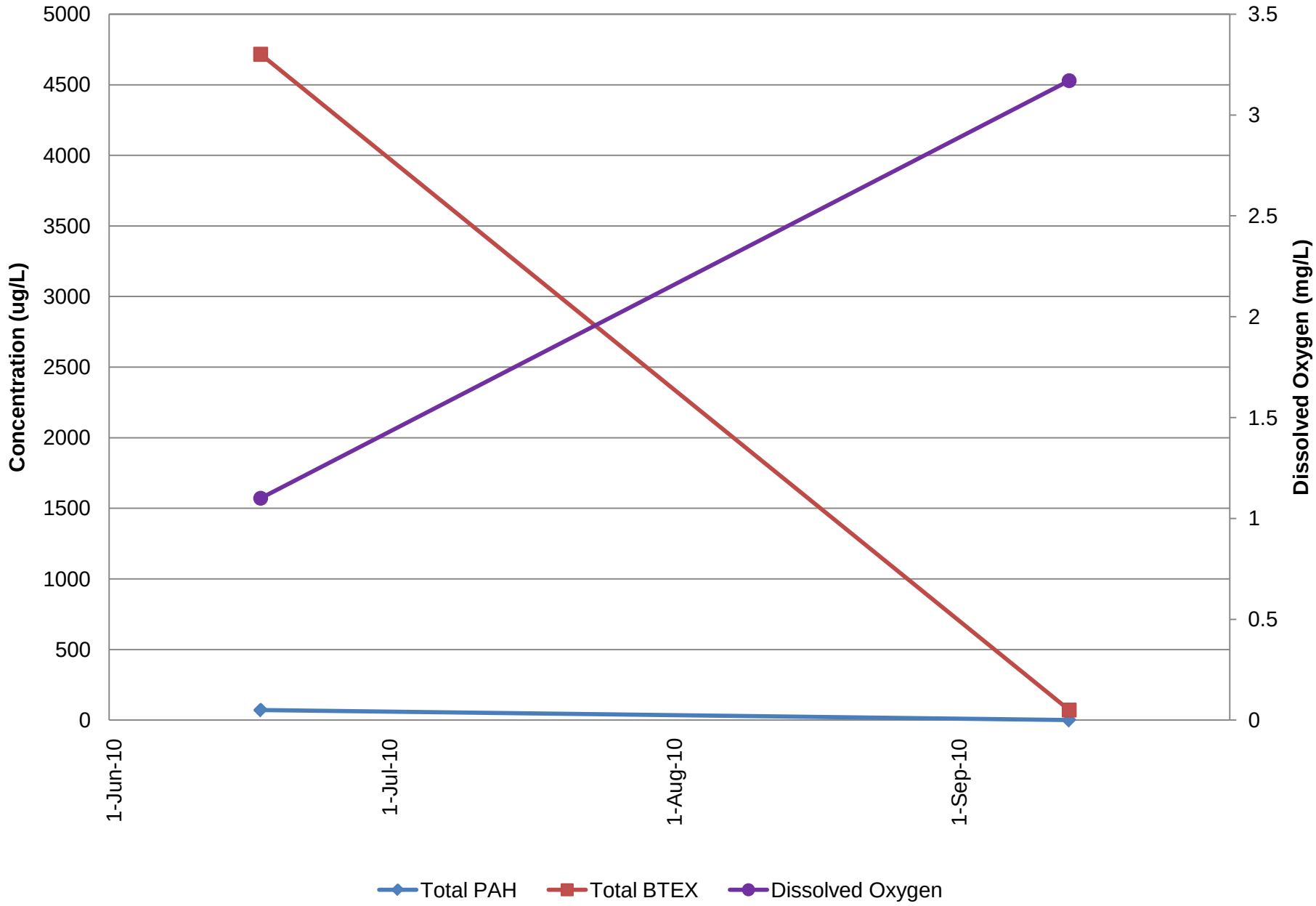
Monitoring Well OU2MW-56D
65-70 ft bgs



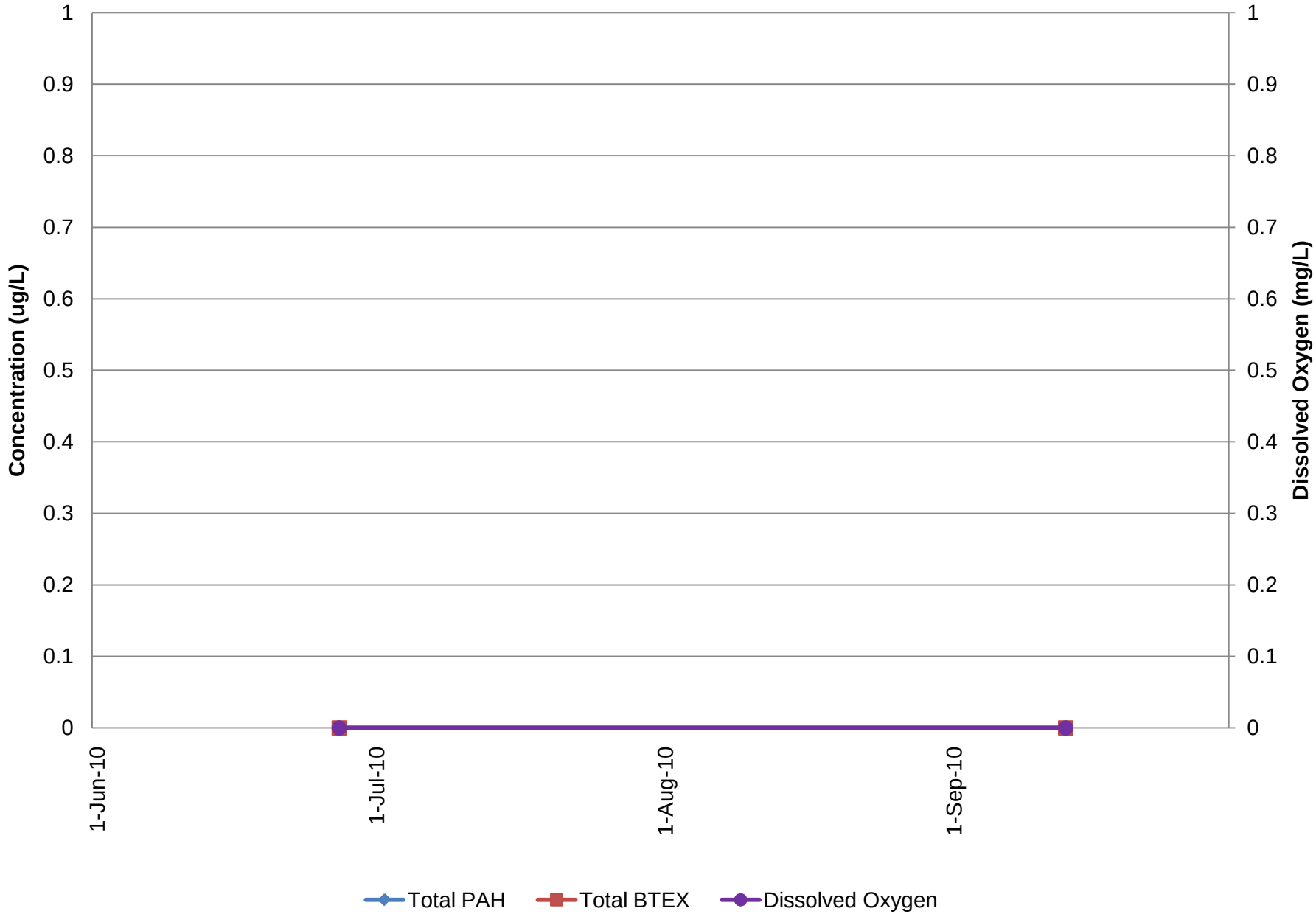
Monitoring Well OU2MW-57S
5-15 ft bgs



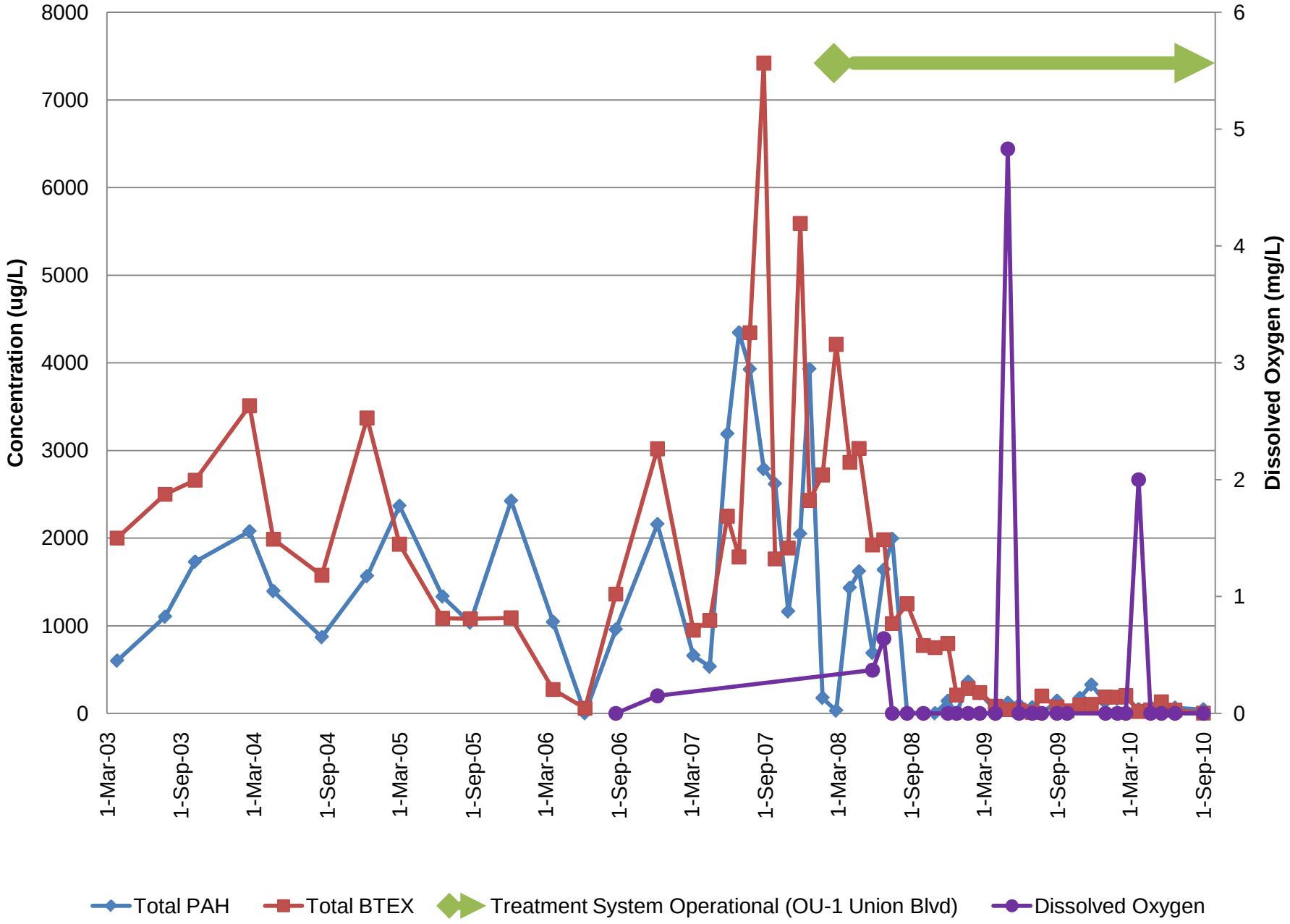
Monitoring Well OU2MW-57I
20-30 ft bgs



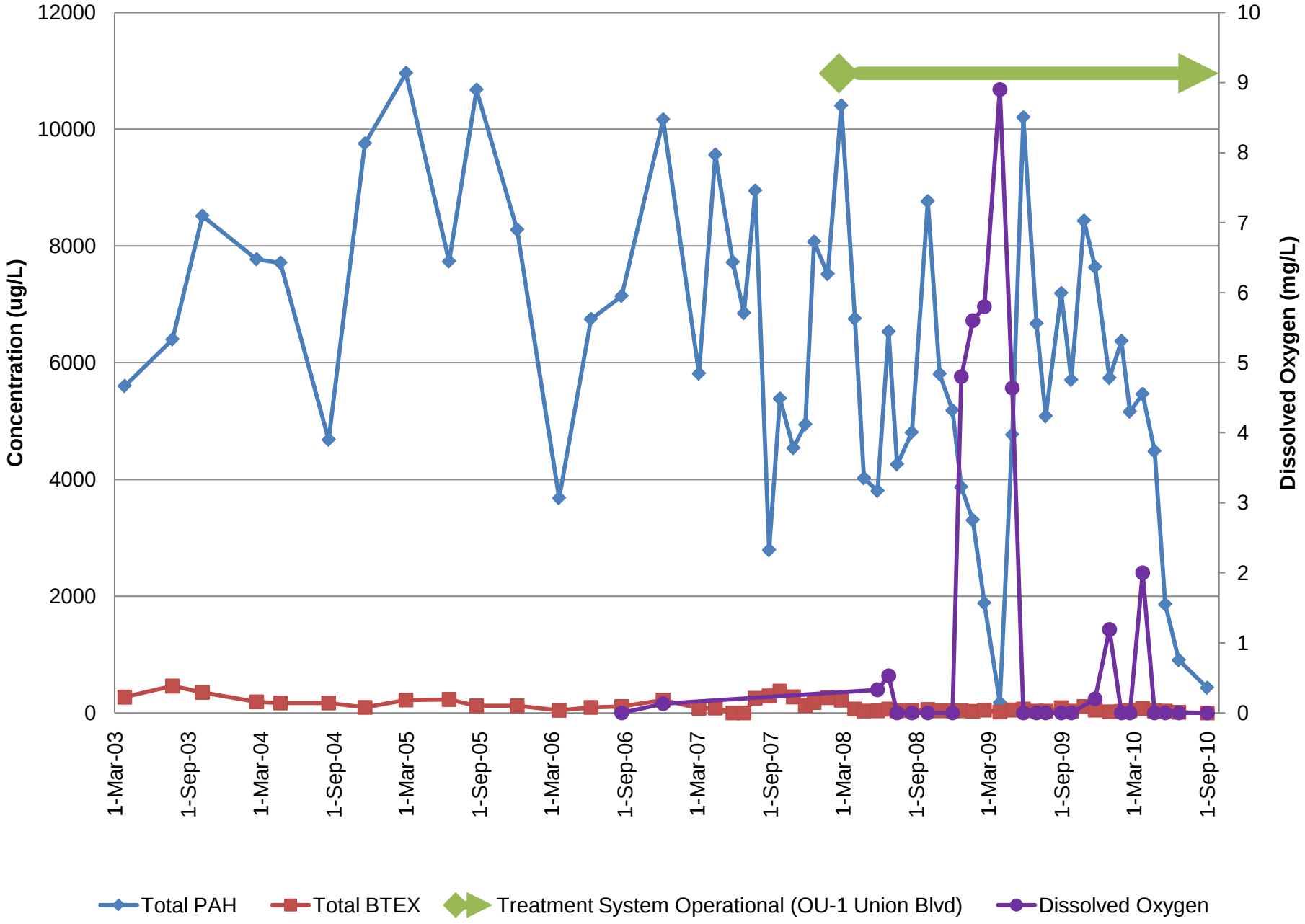
Monitoring Well OU2MW-57I2
35-45 ft bgs



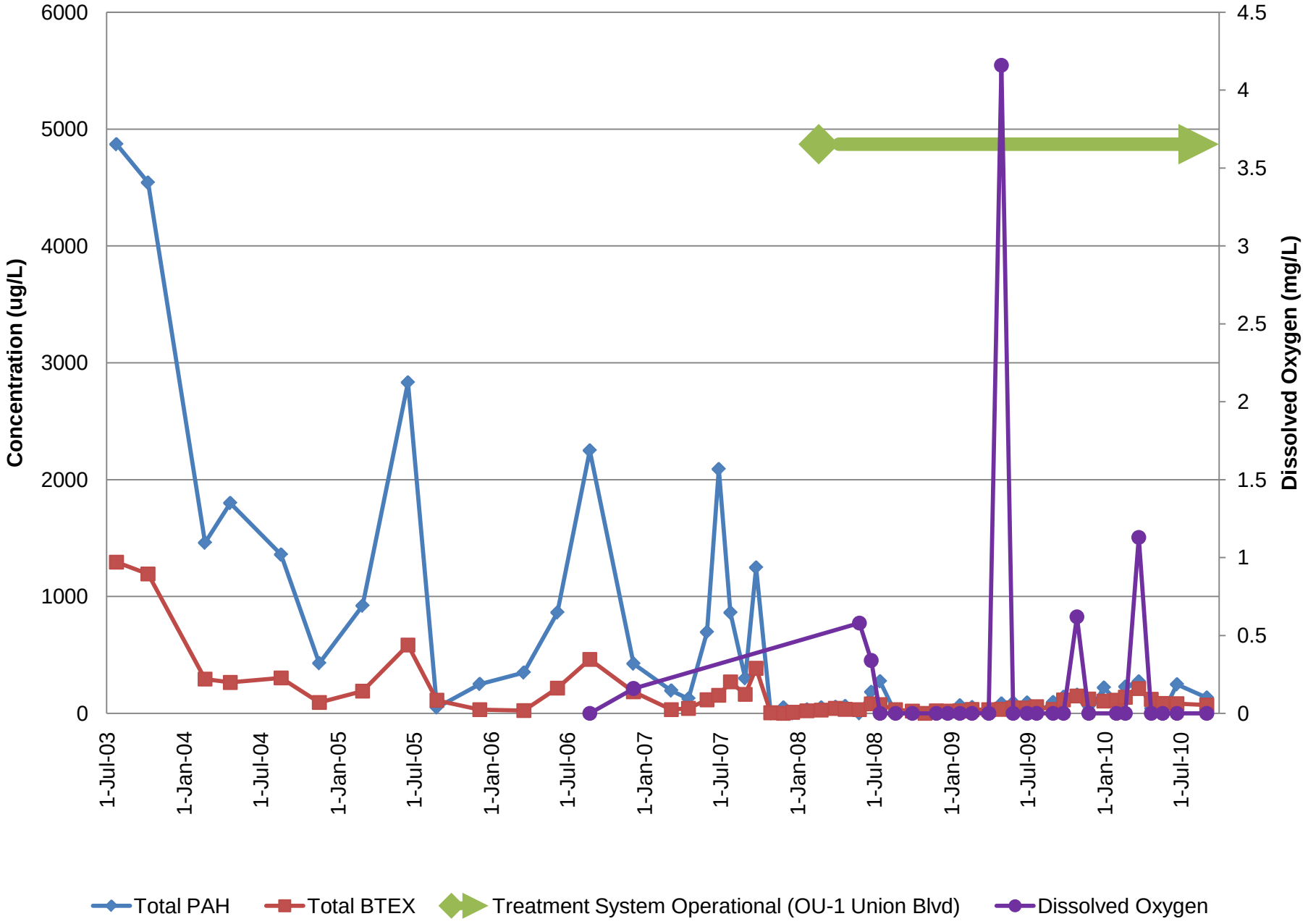
Monitoring Well BBMW-01S
5-15 ft bgs



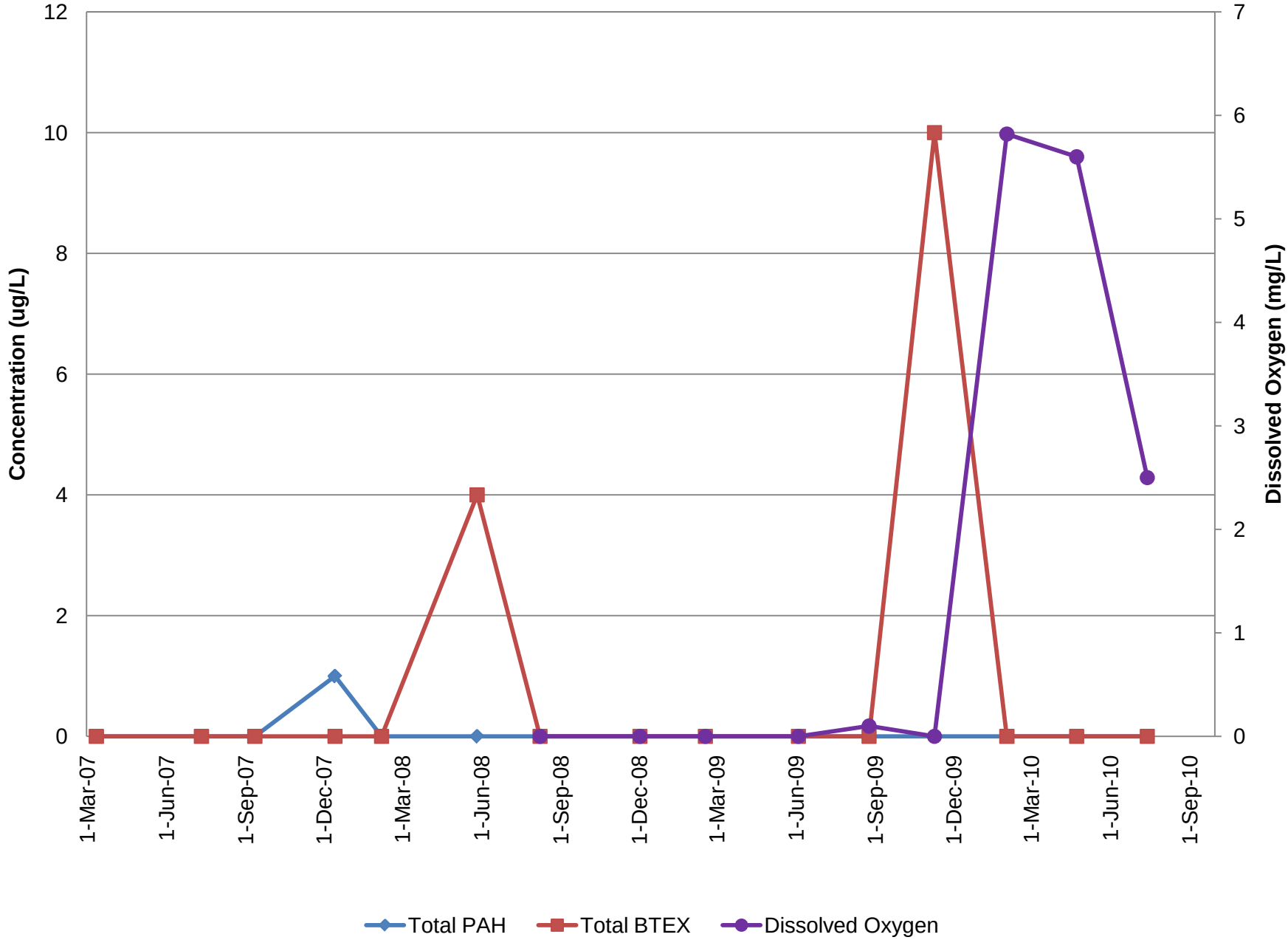
Monitoring Well BBMW-01I
32-42 ft bgs



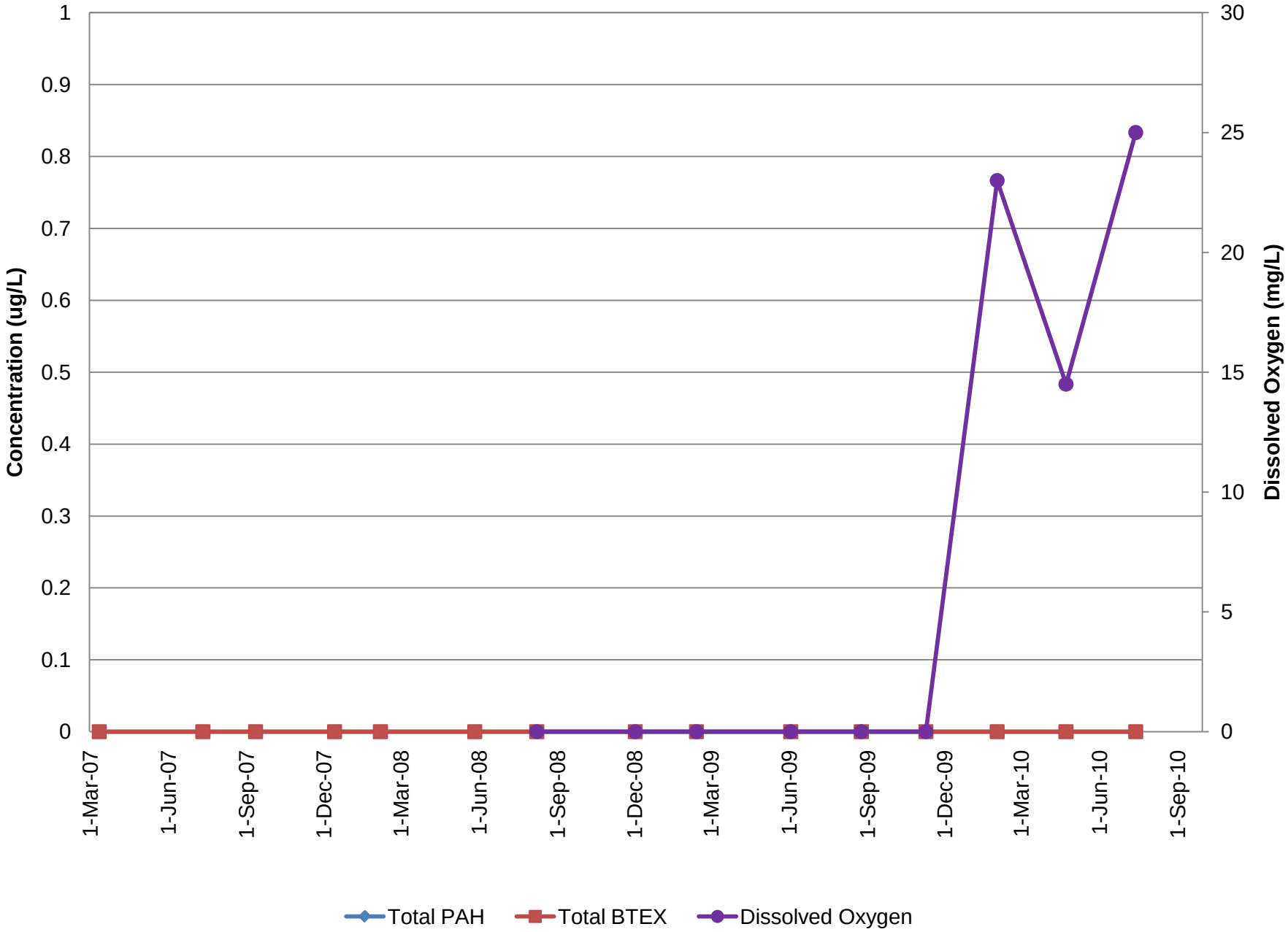
Monitoring Well BBMW-01D
68.5-78.5 ft bgs



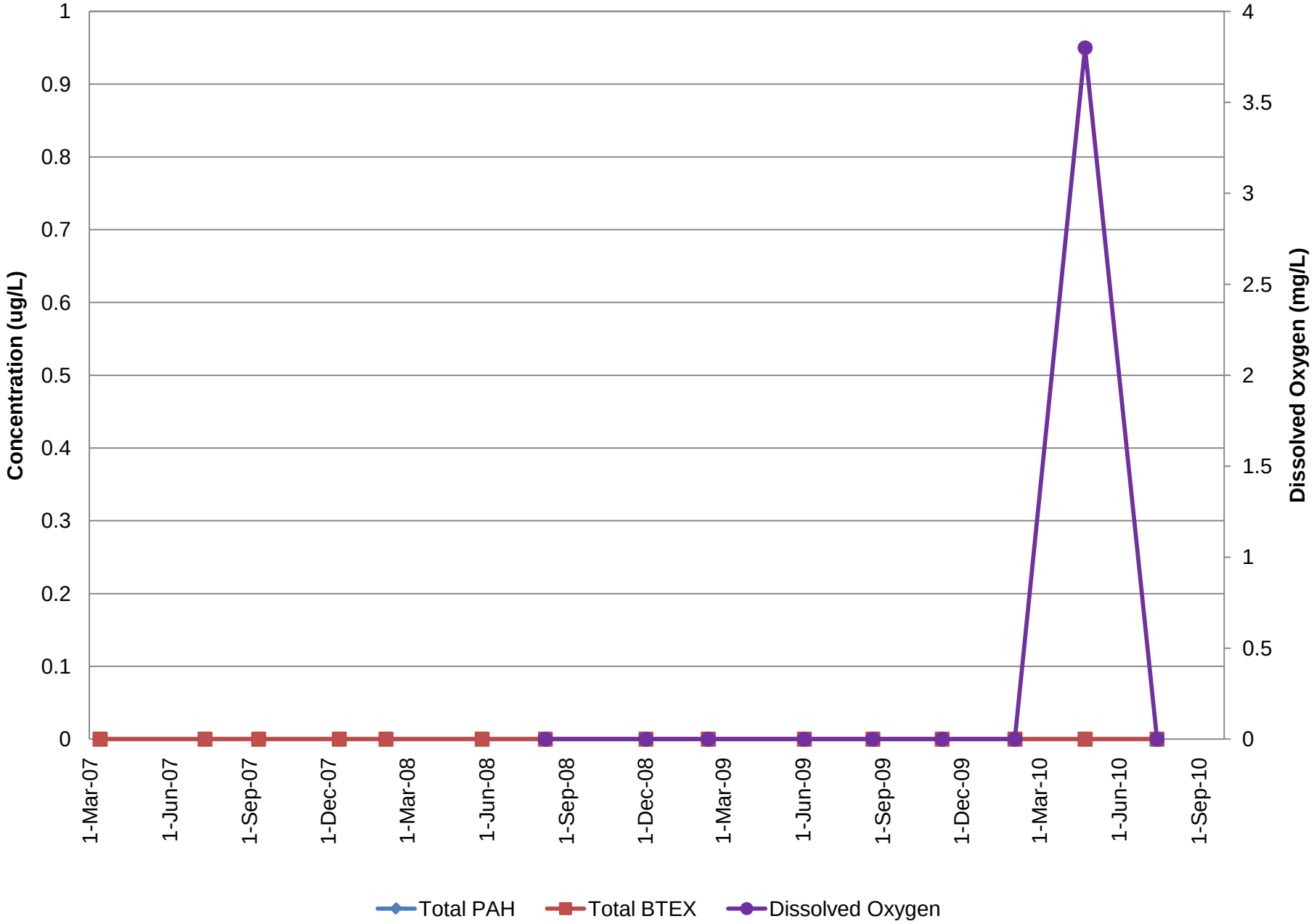
Monitoring Well BBMW-02S
5-15 ft bgs



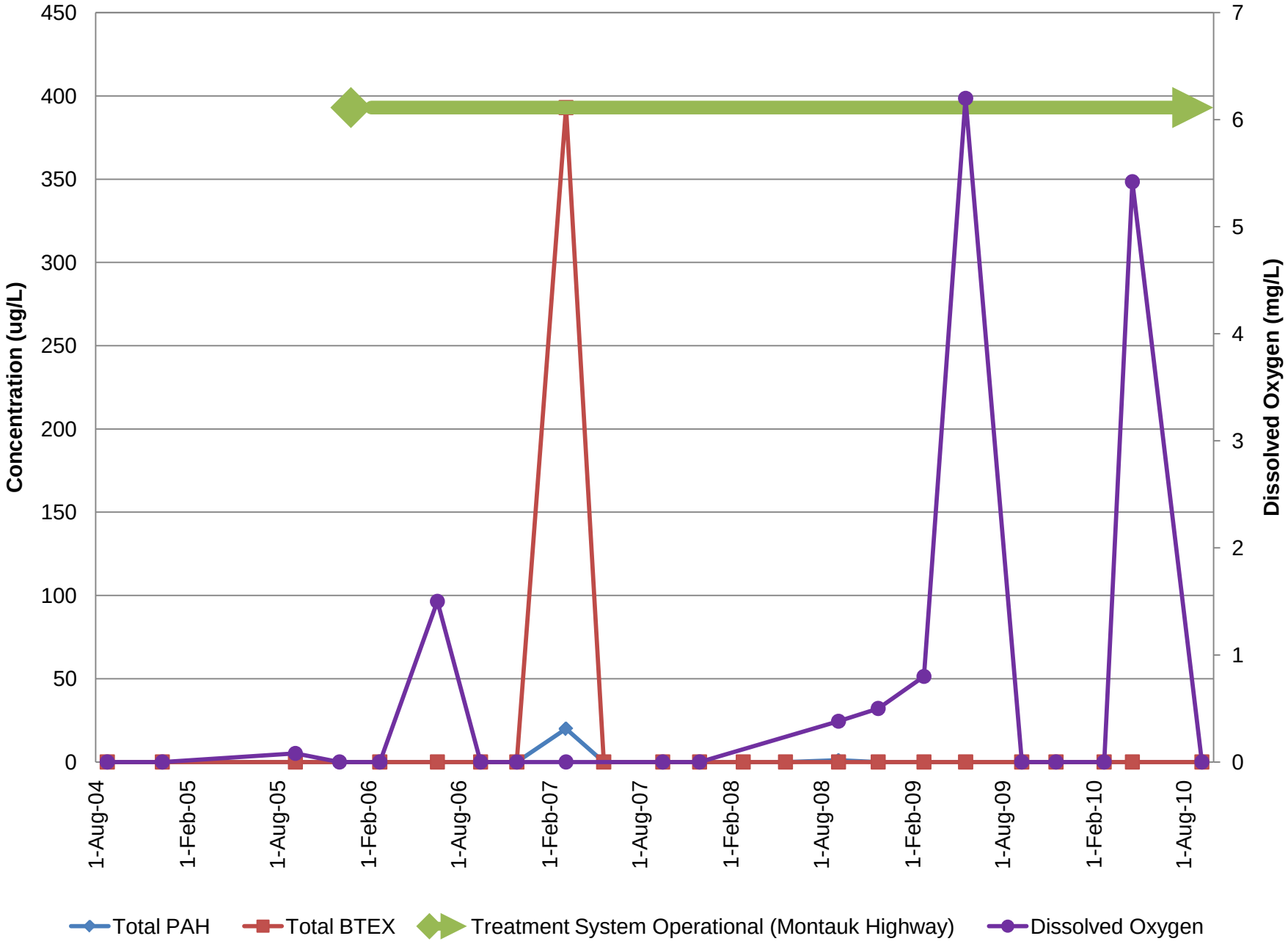
Monitoring Well BBMW-02I
30-40 ft bgs



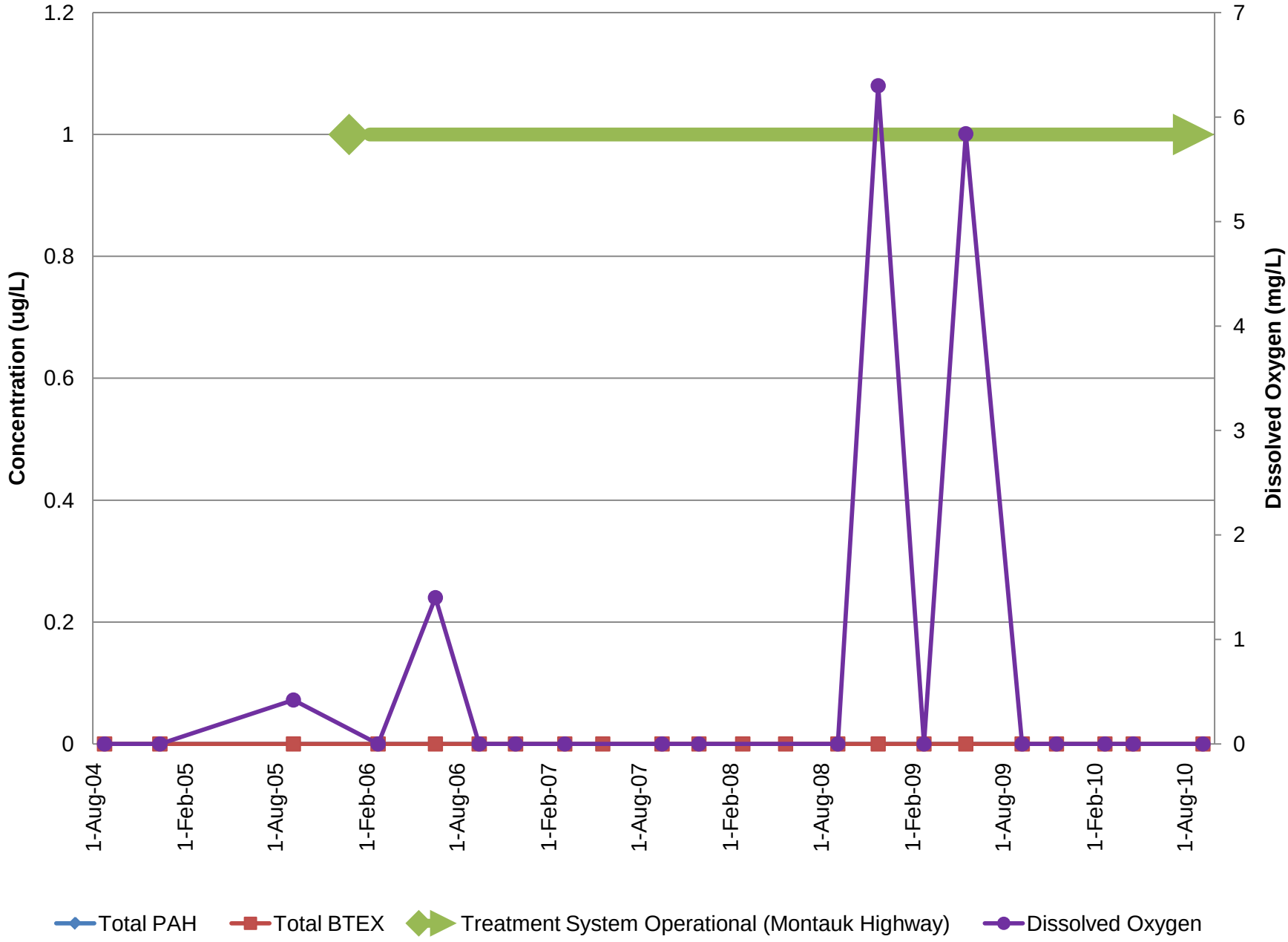
Monitoring Well BBMW-02D
73-83 ft bgs



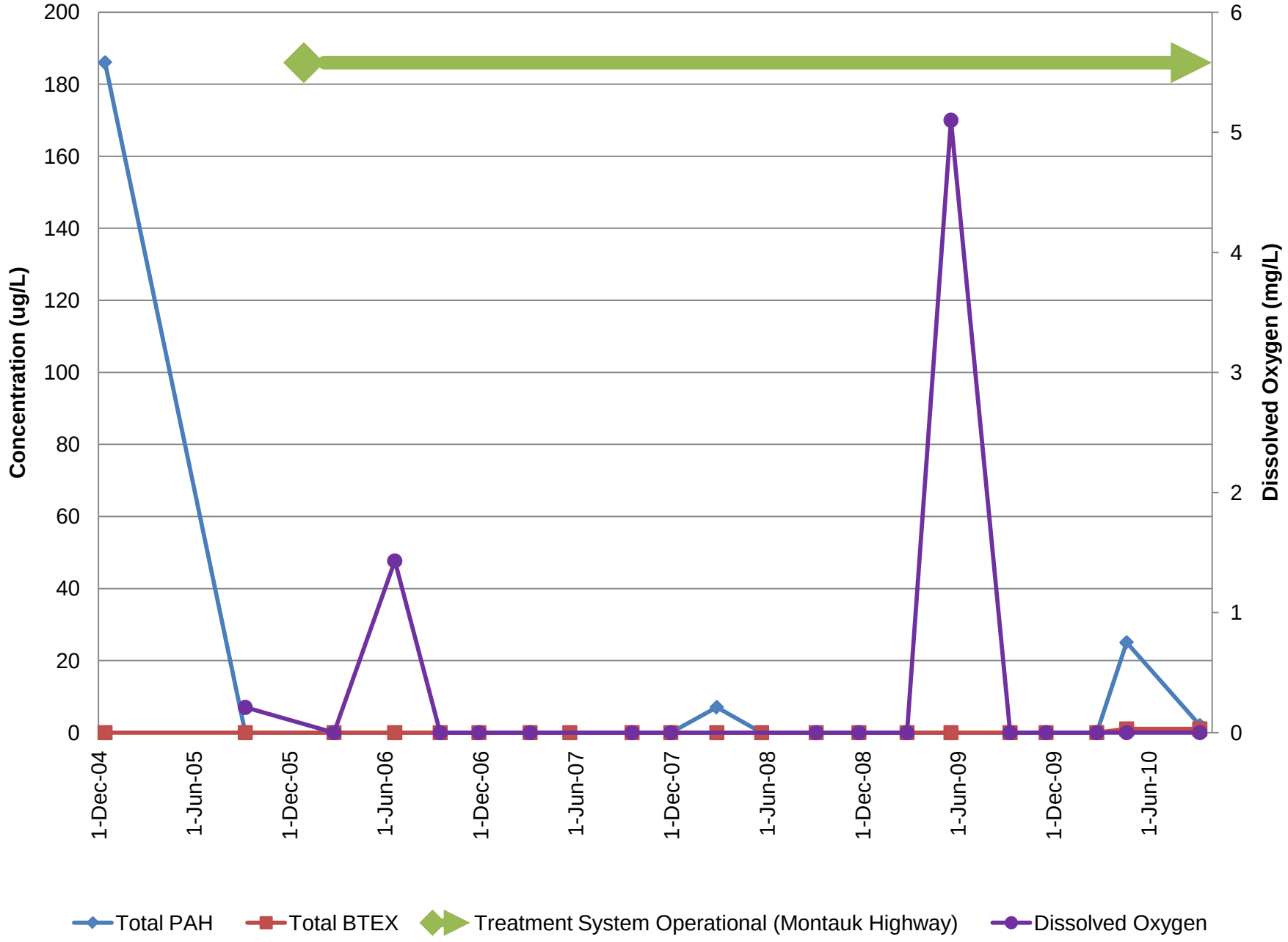
Monitoring Well BBMW-03S
3-13 ft bgs



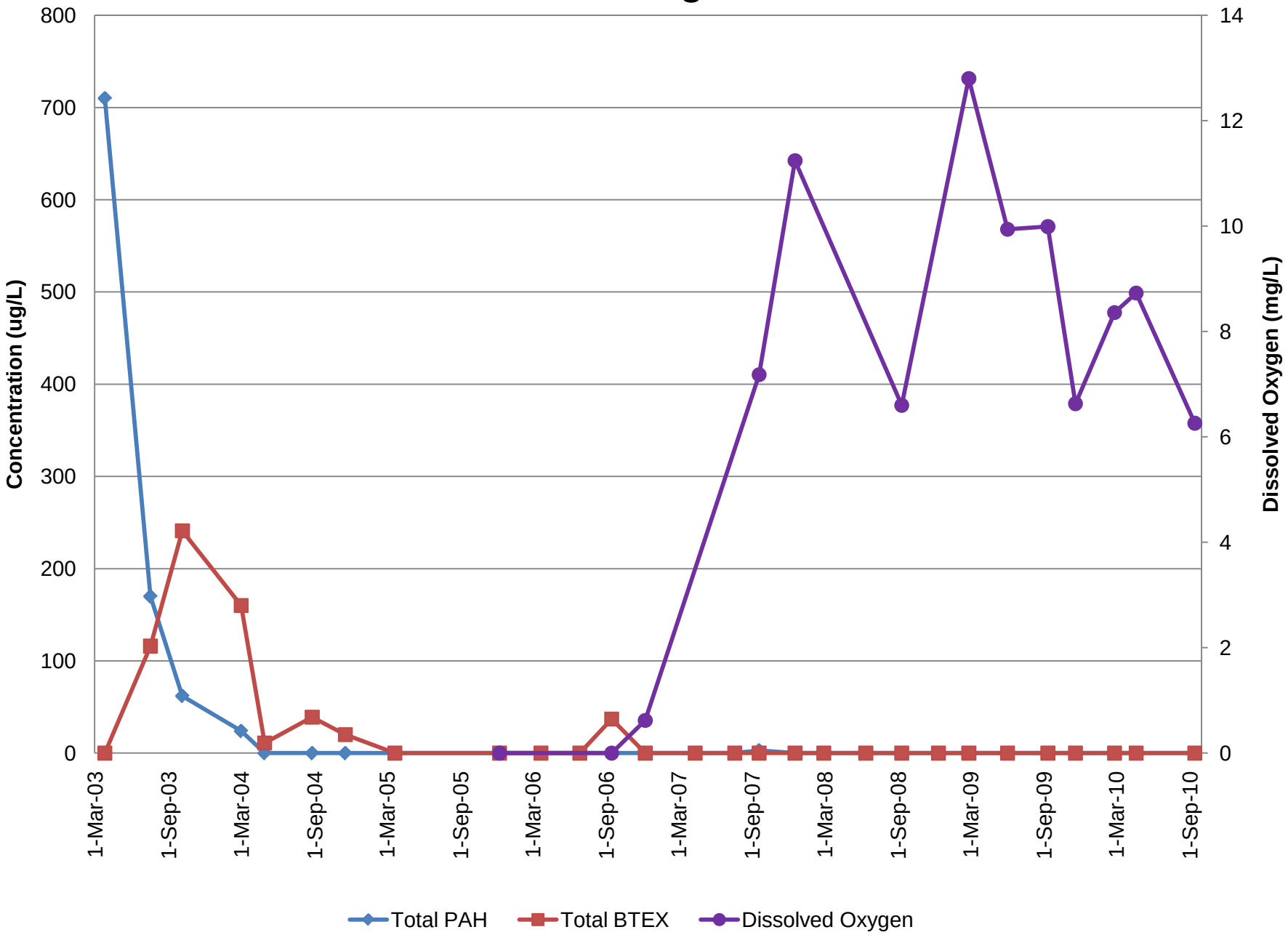
Monitoring Well BBMW-03I
30-40 ft bgs



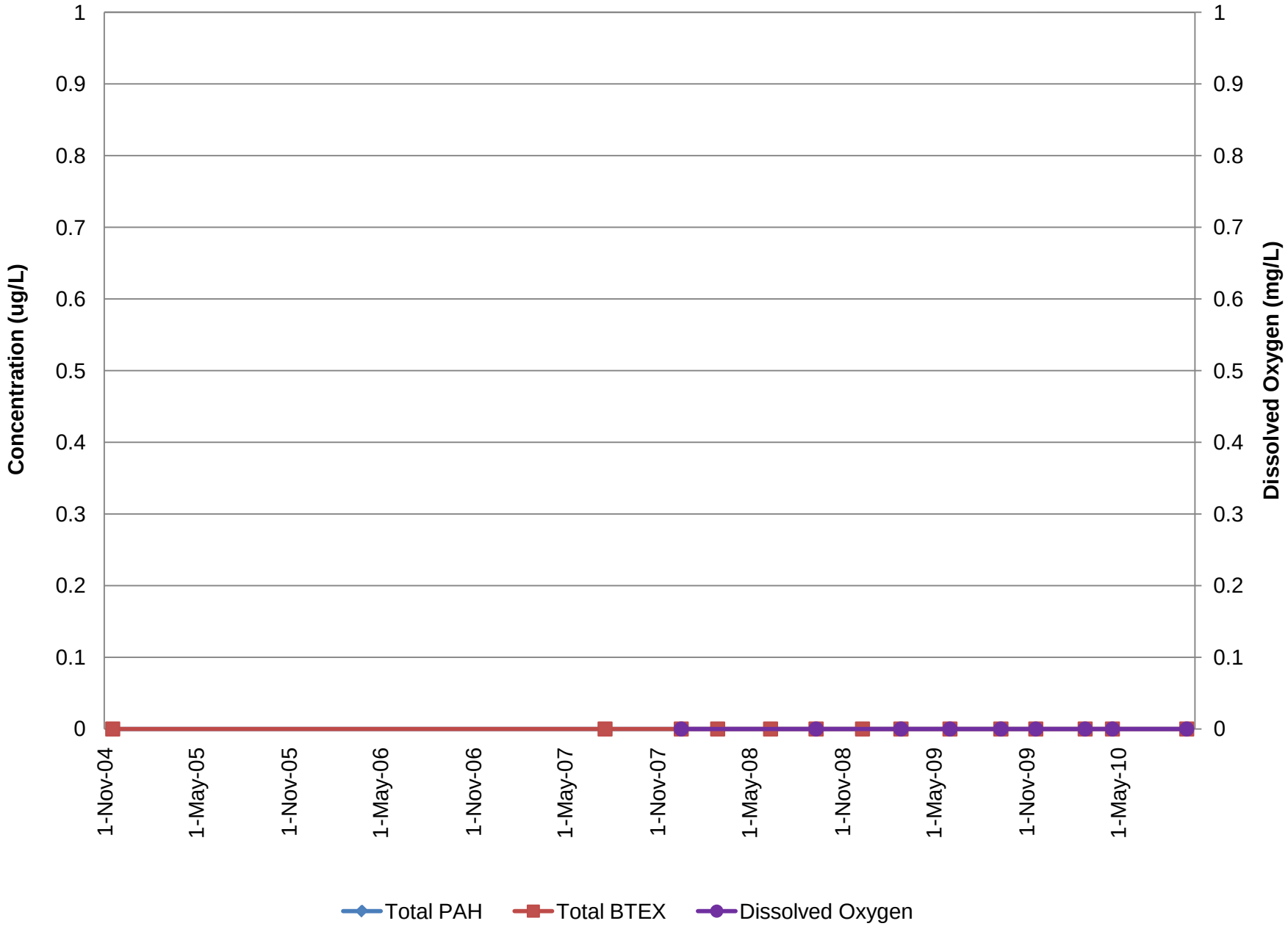
Monitoring Well BBMW-03D
52-62 ft bgs



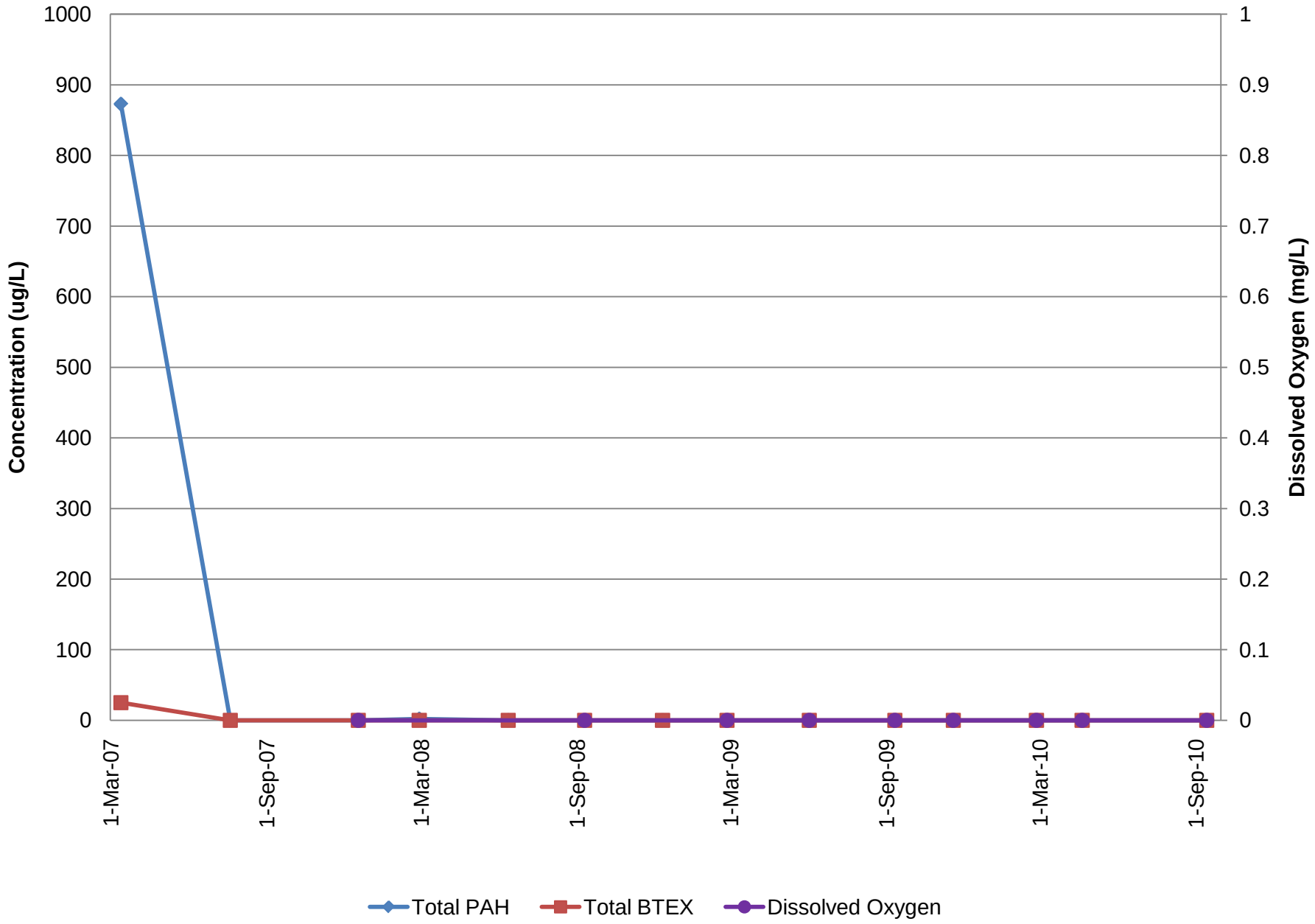
Monitoring Well BBMW-07S
5-15 ft bgs



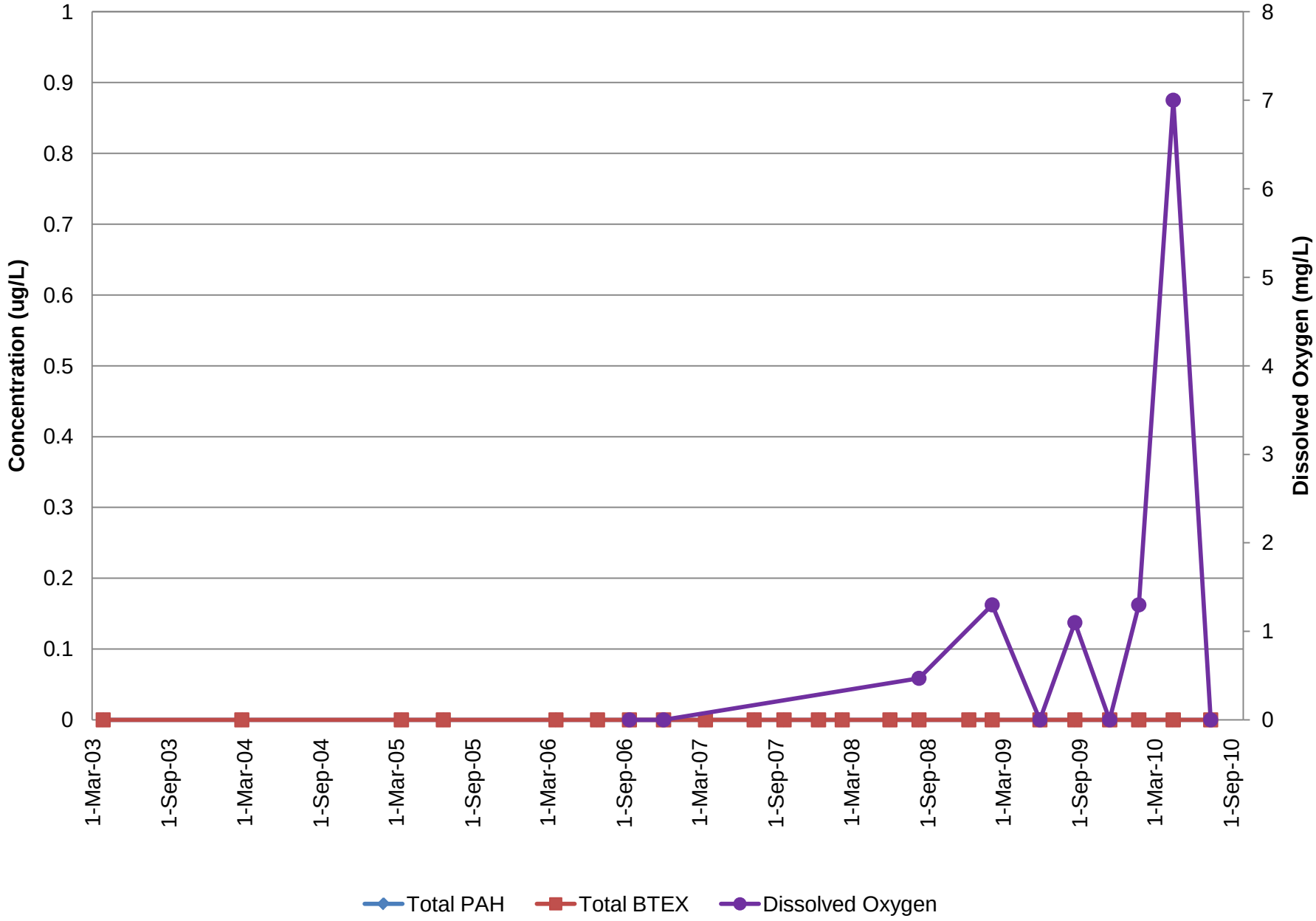
Monitoring Well BBMW-07I
30-40 ft bgs



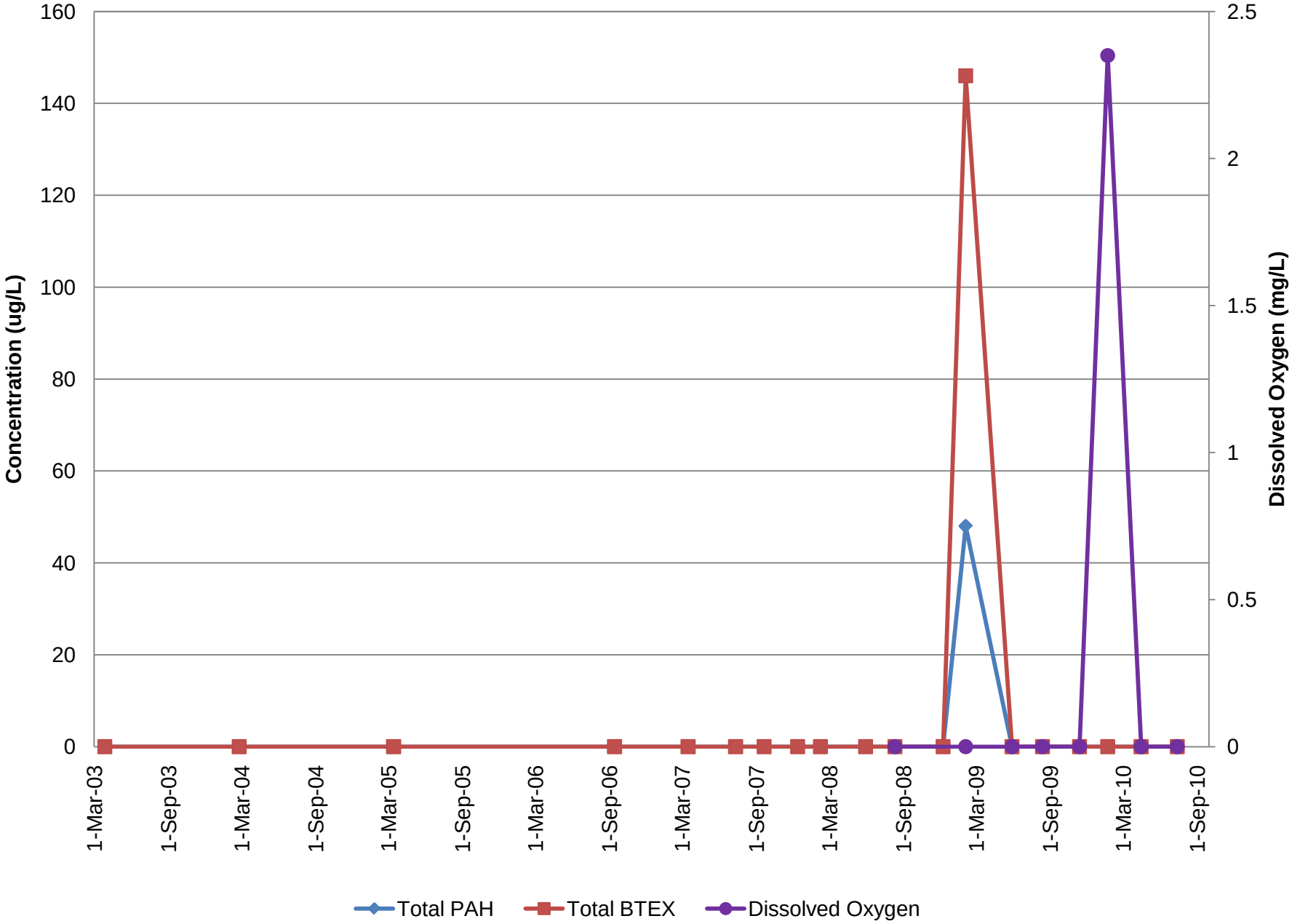
Monitoring Well BBMW-07D
55-65 ft bgs



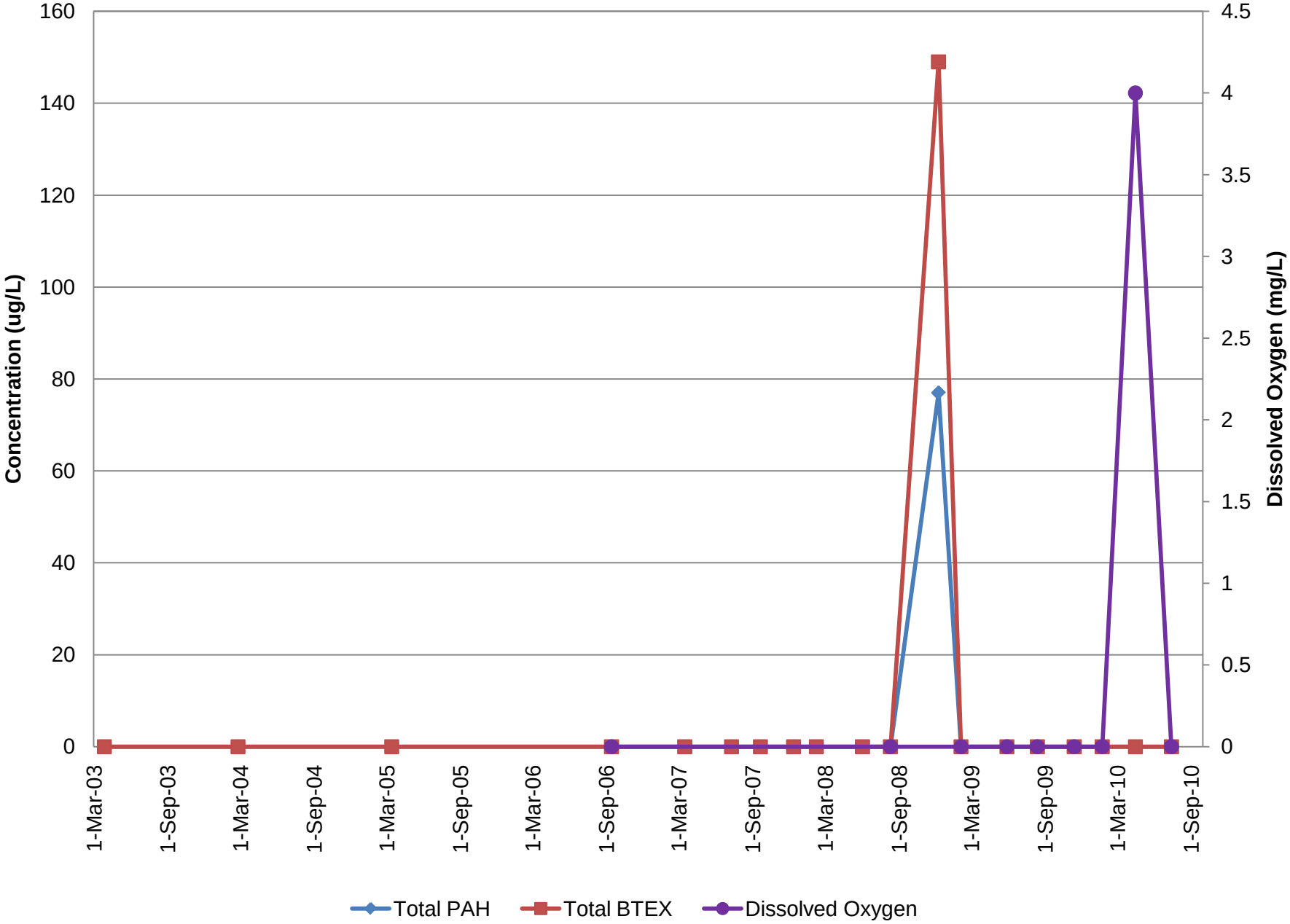
Monitoring Well BBMW-15S
5-15 ft bgs



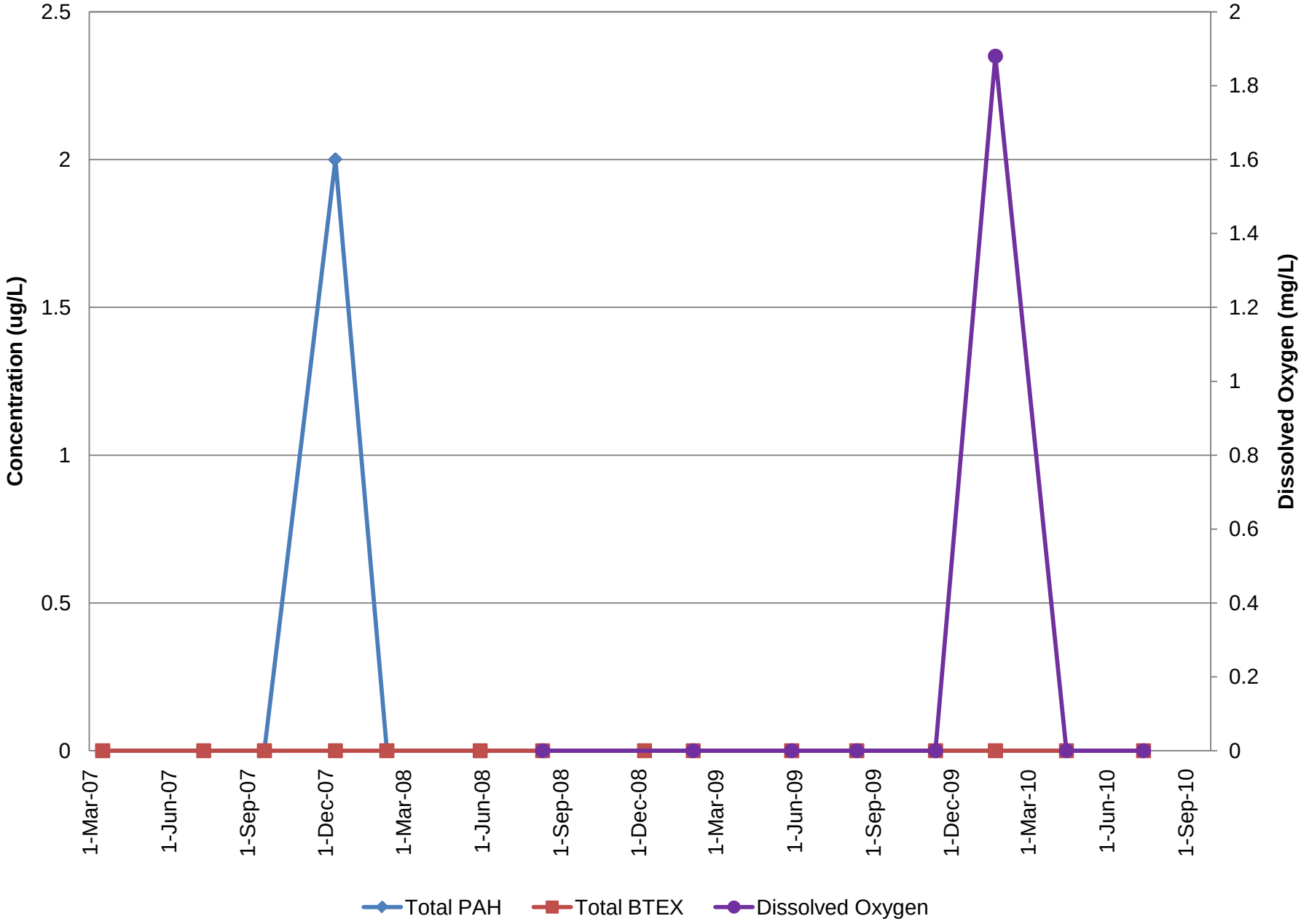
Monitoring Well BBMW-15I
23-28 ft bgs



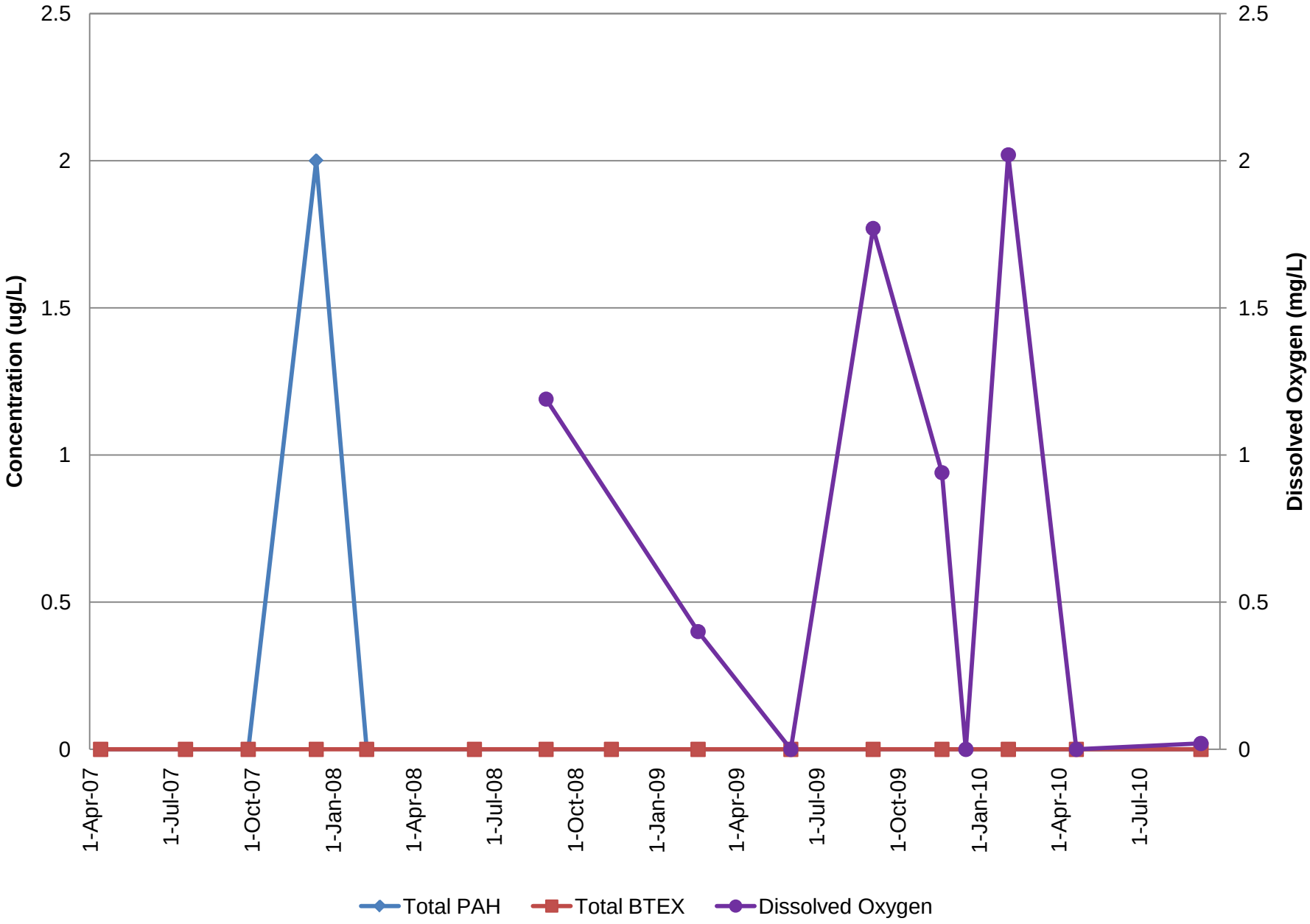
Monitoring Well BBMW-15I2
35-45 ft bgs



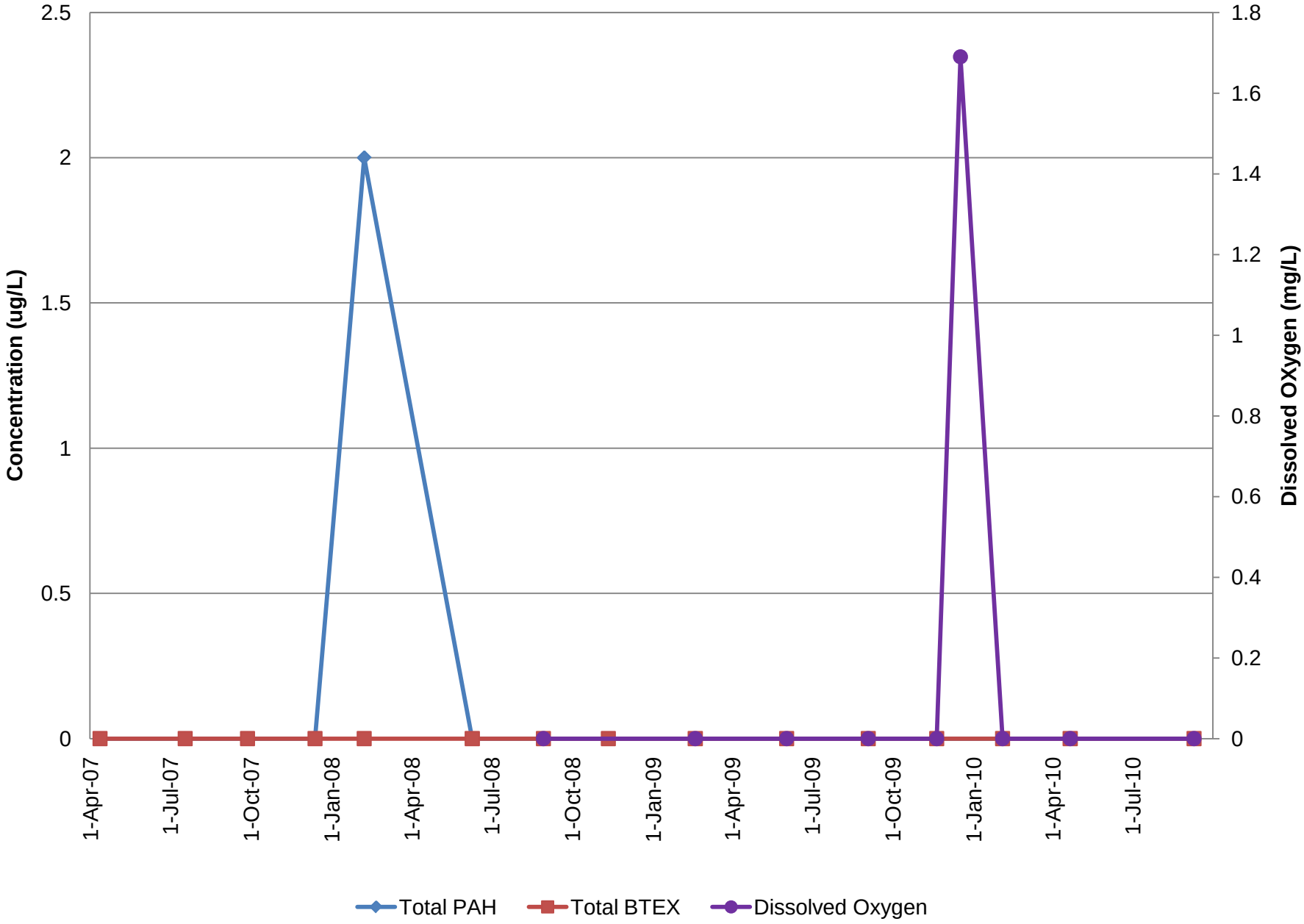
Monitoring Well BBMW-15D
70-80 ft bgs



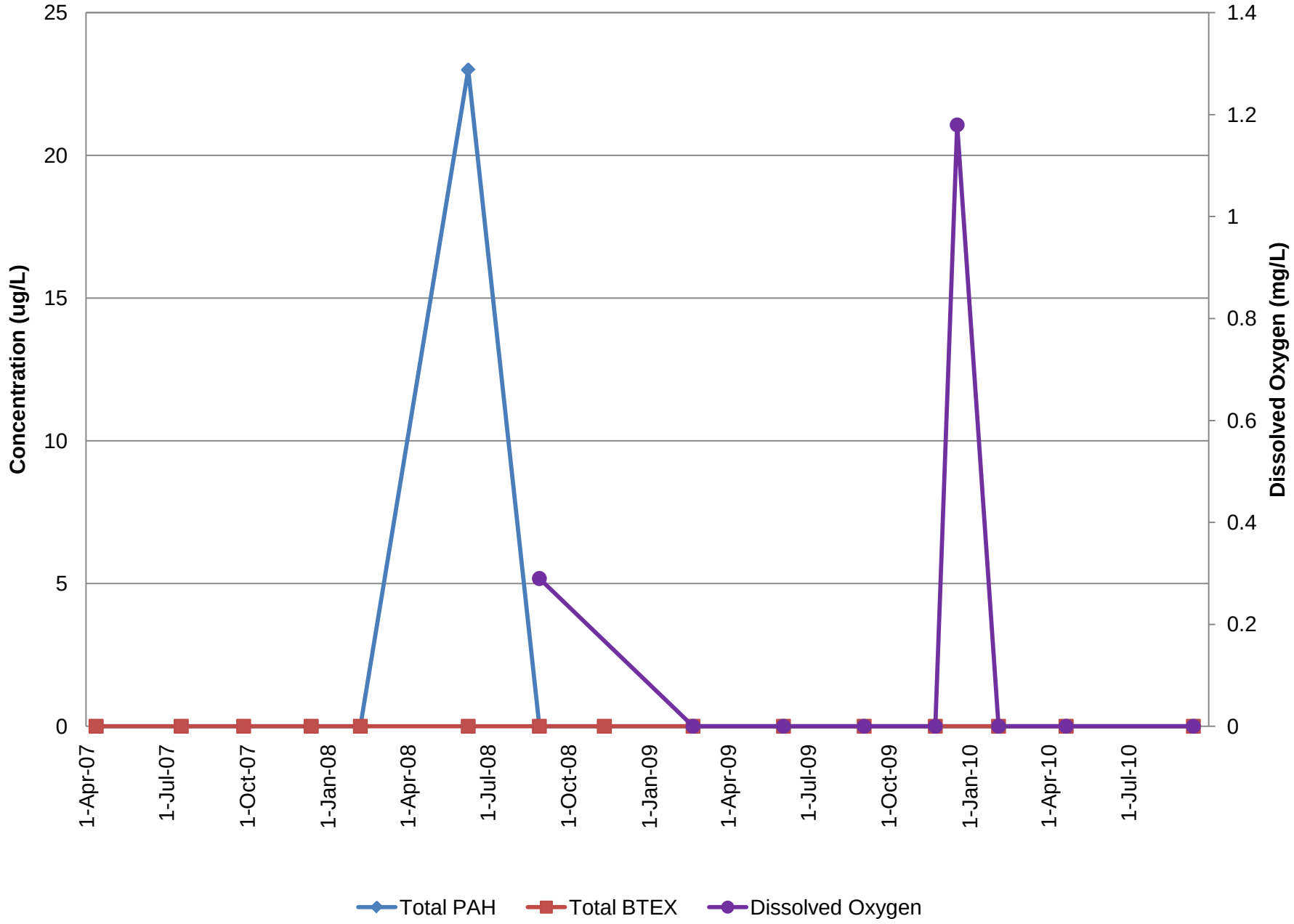
Monitoring Well BBMW-16S
5-15 ft bgs



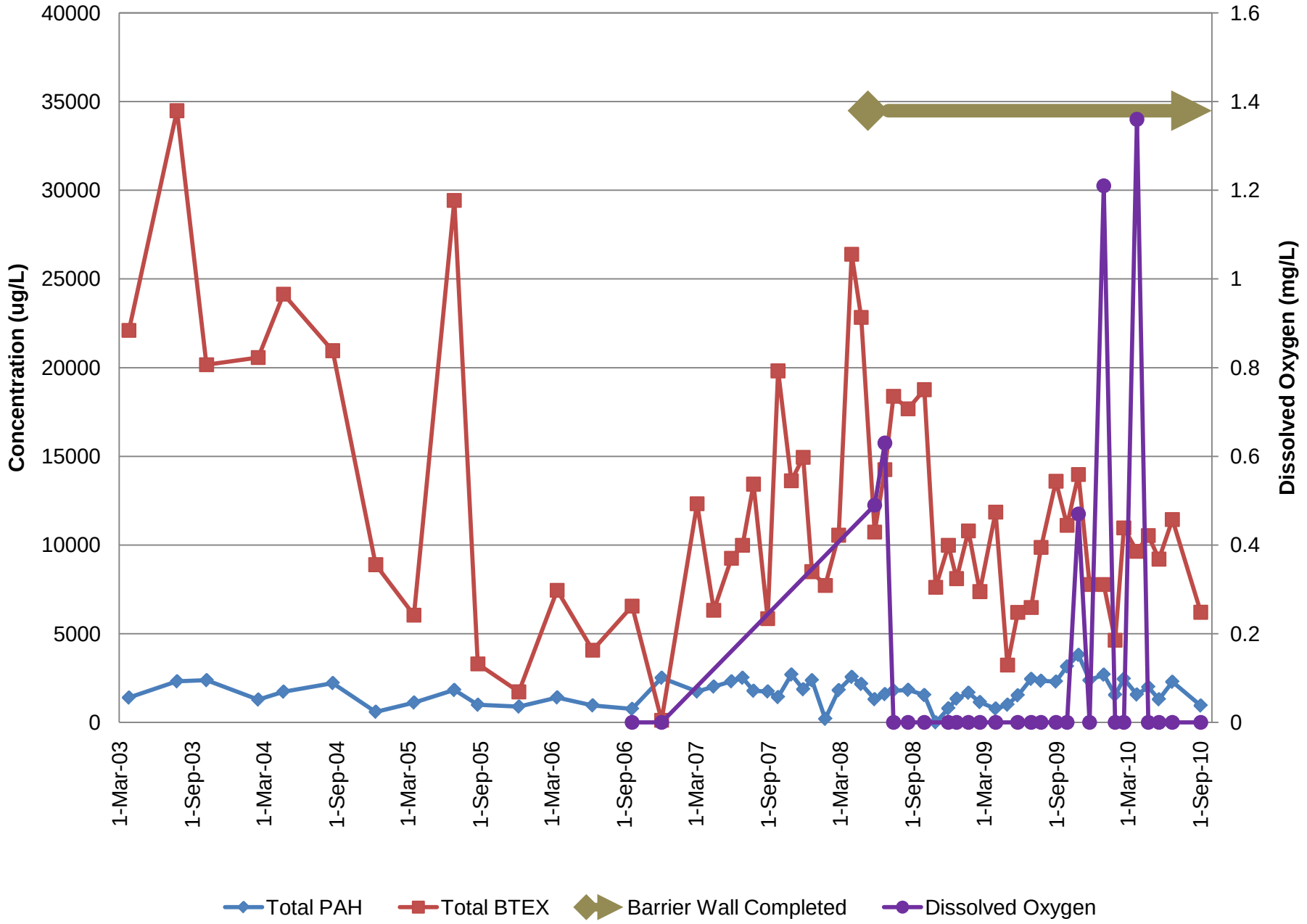
Monitoring Well BBMW-16I
35-45 ft bgs



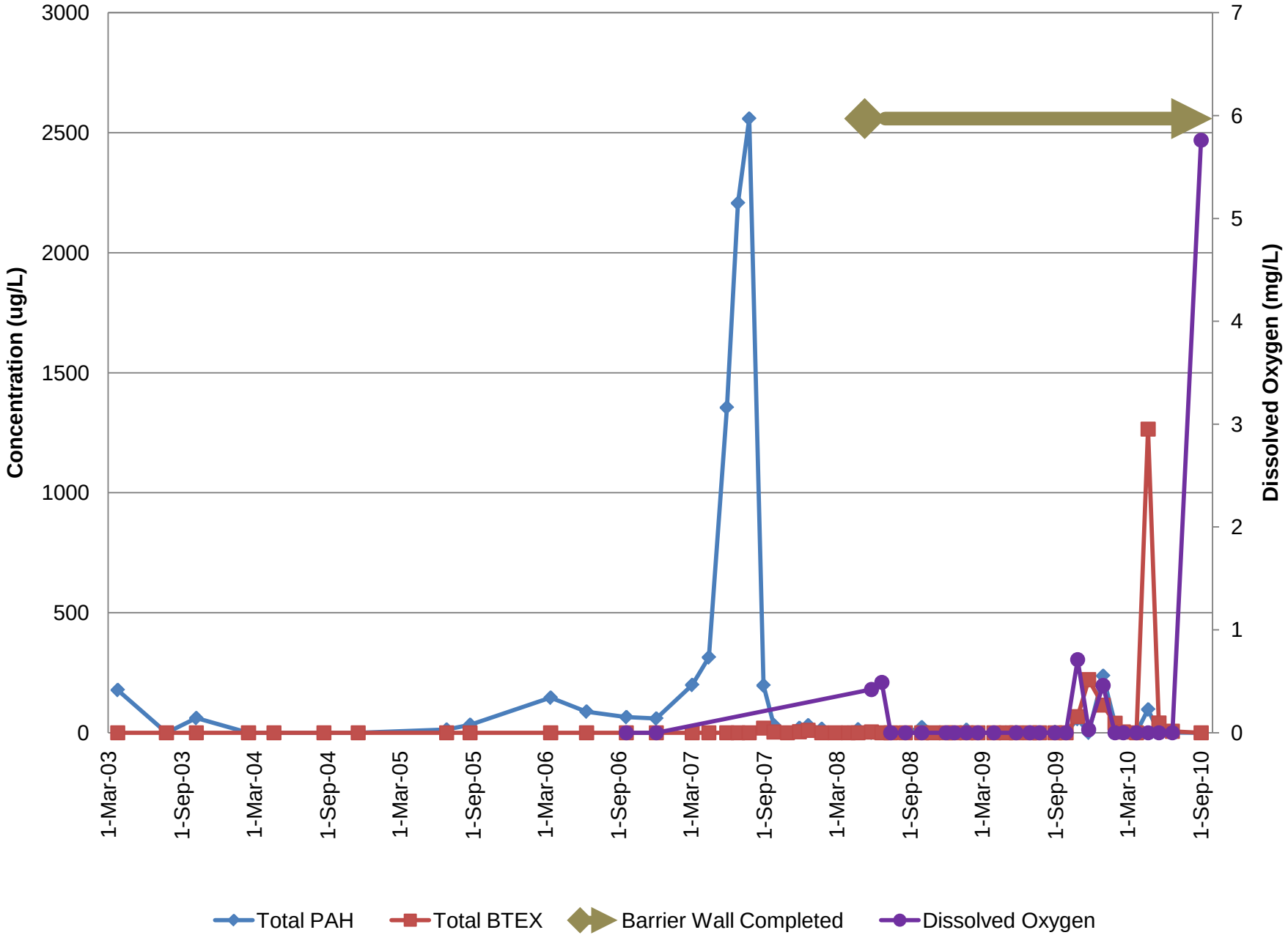
Monitoring Well BBMW-16D
68-78 ft bgs



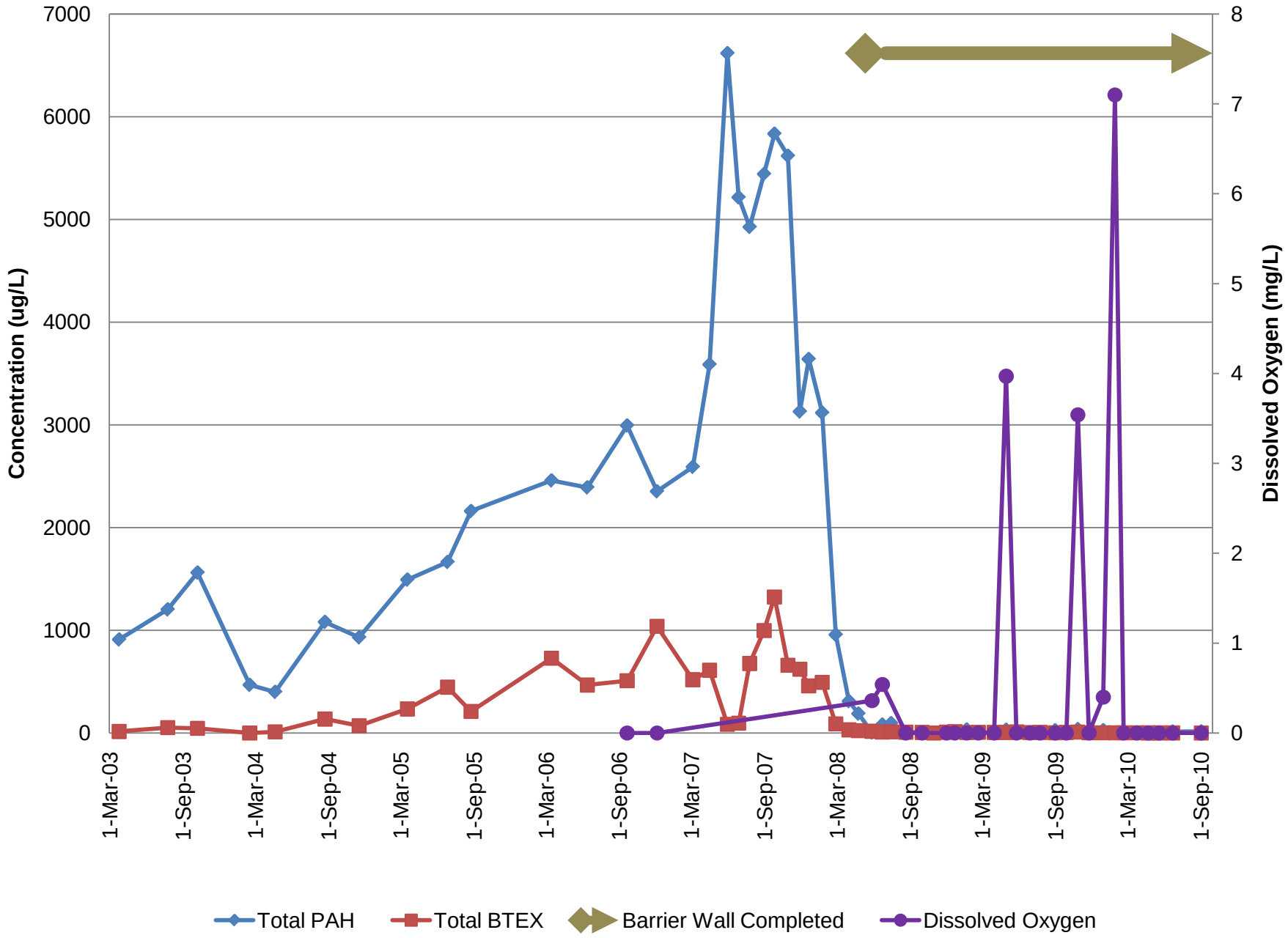
Monitoring Well BBMW-23S
5-15 ft bgs



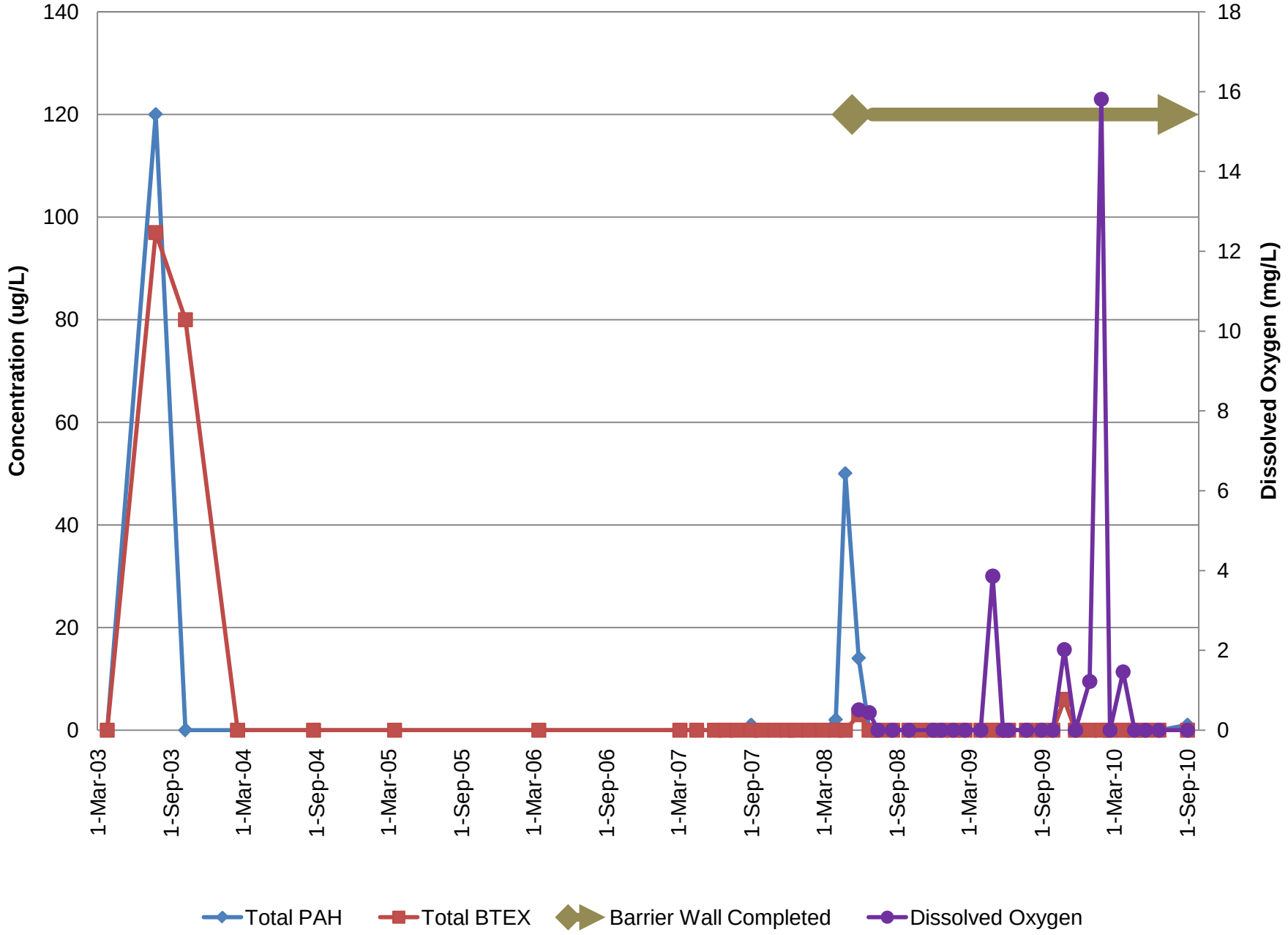
Monitoring Well BBMW-23I
33-43 ft bgs



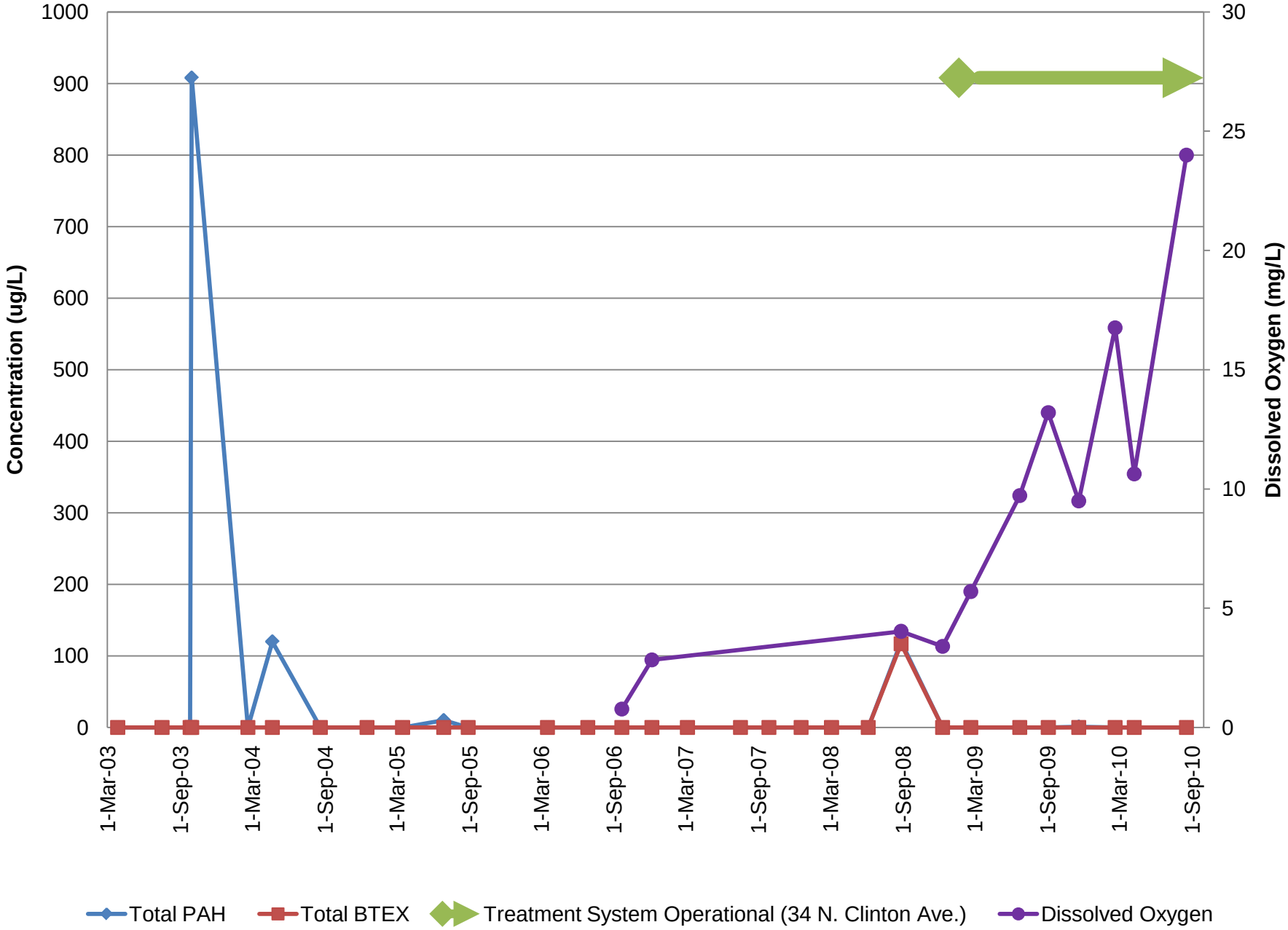
Monitoring Well BBMW-23D
49.5-59.5 ft bgs



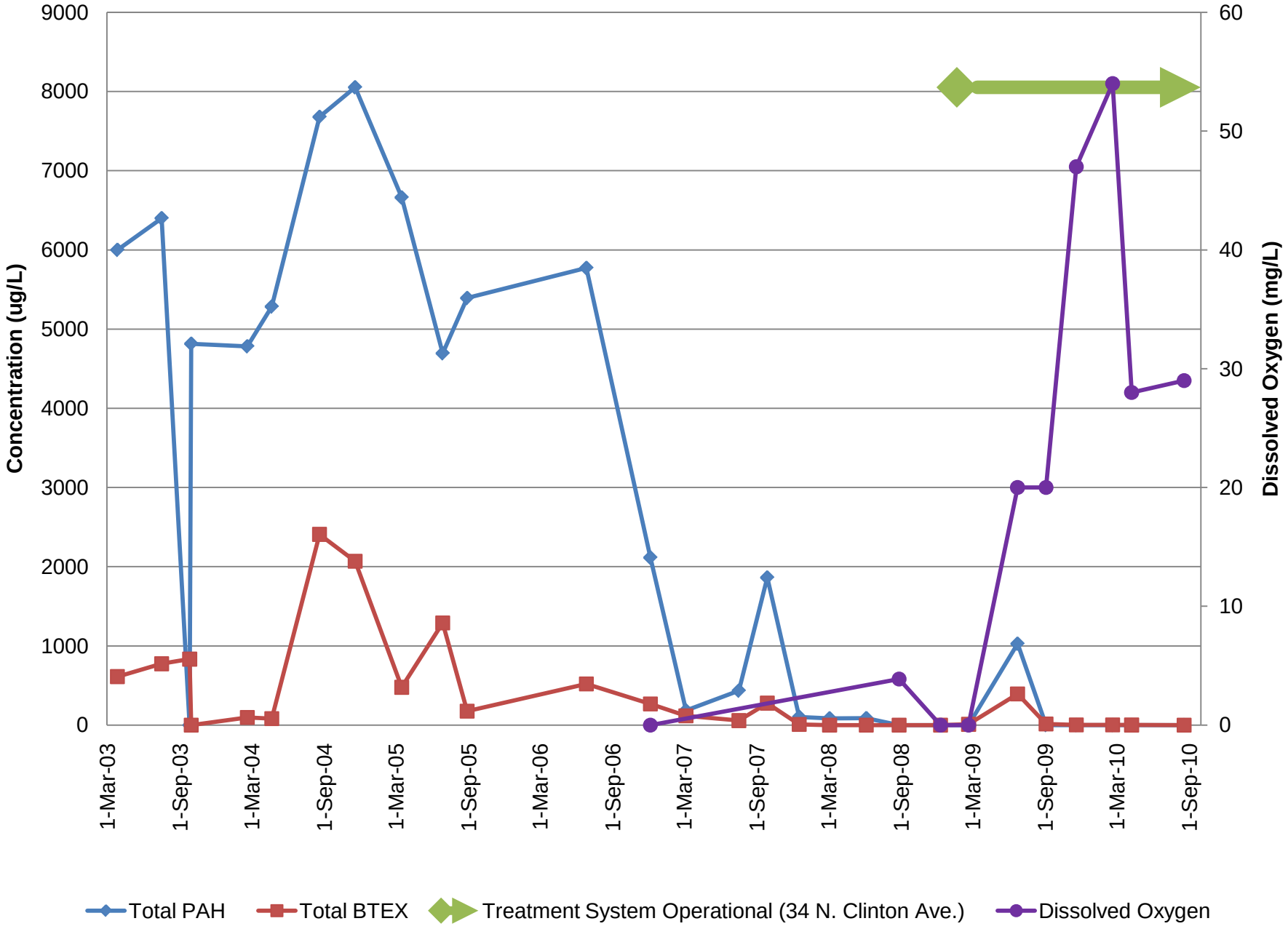
Monitoring Well BBMW-23D2
63-73 ft bgs



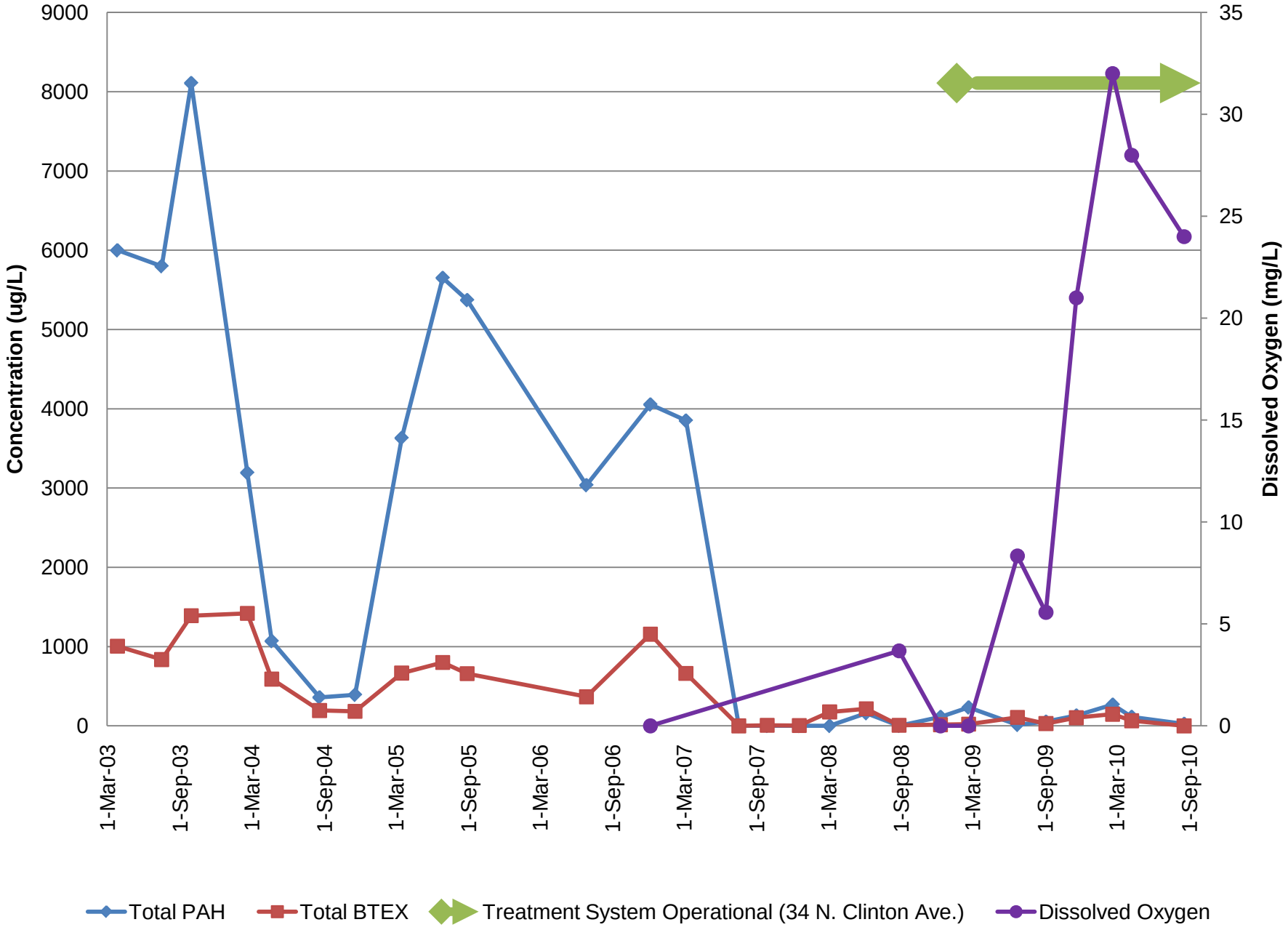
Monitoring Well BBMW-24S
4-14 ft bgs



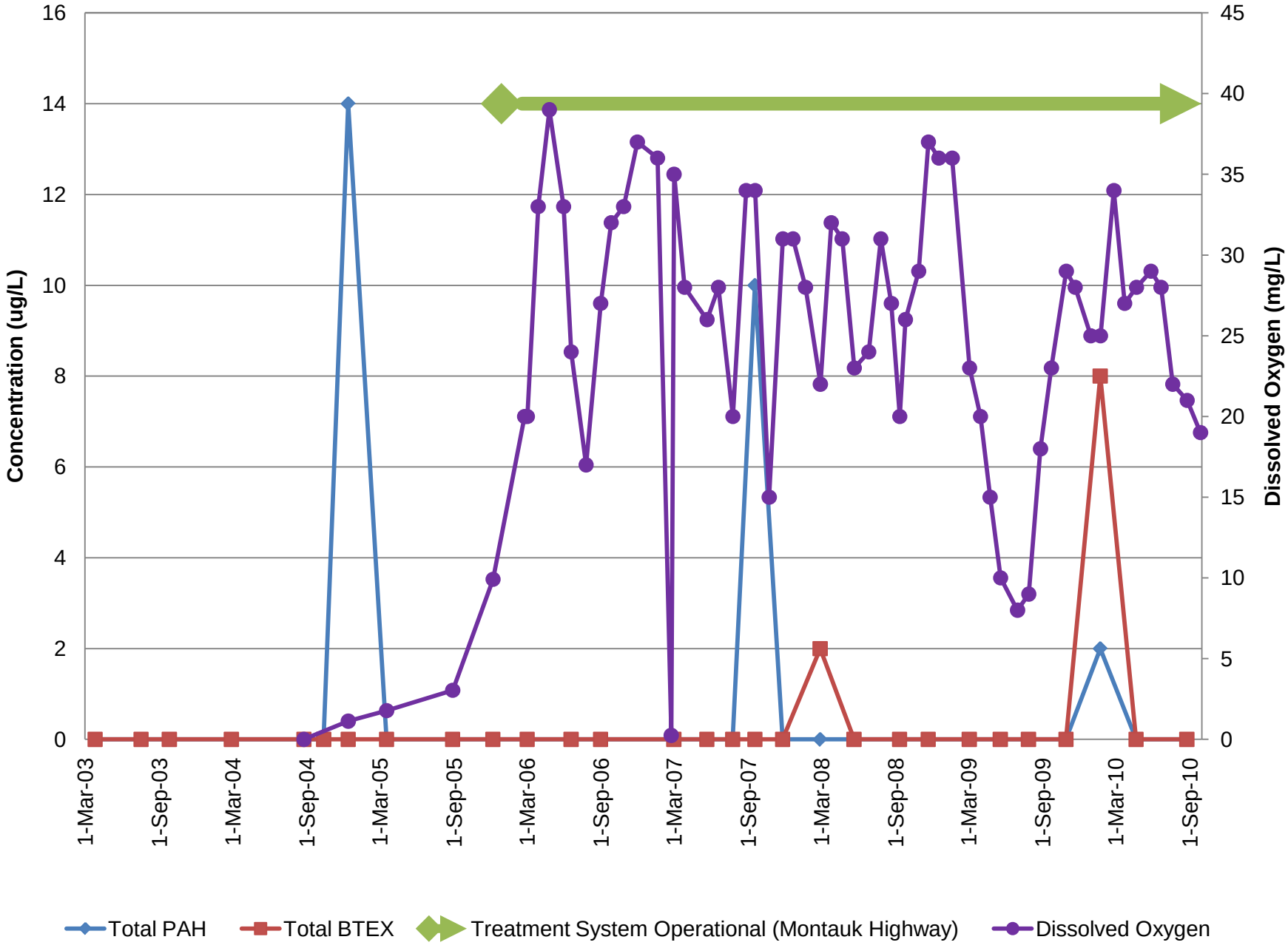
Monitoring Well BBMW-24I
32-42 ft bgs



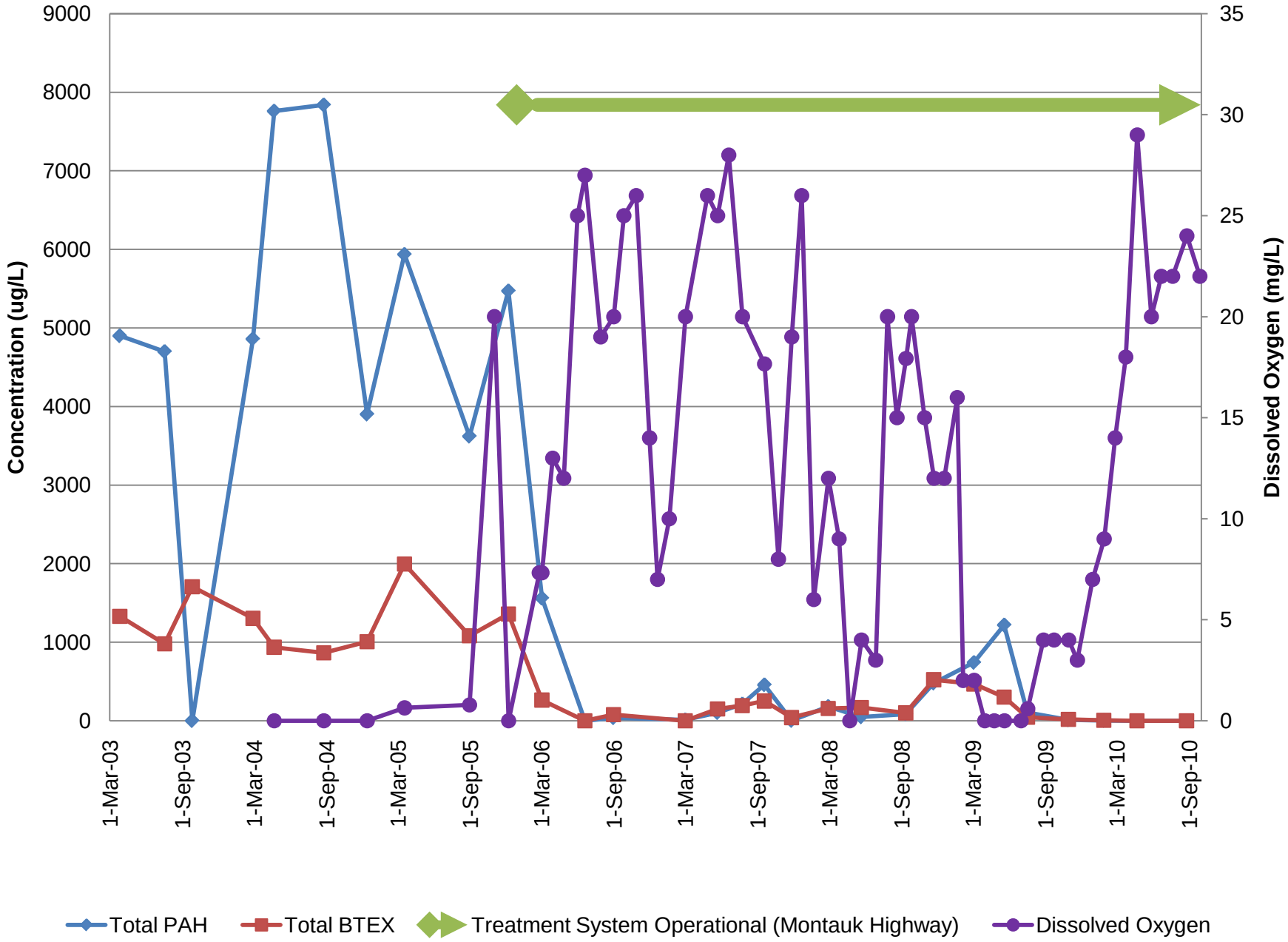
Monitoring Well BBMW-24D
59.5-69.5 ft bgs



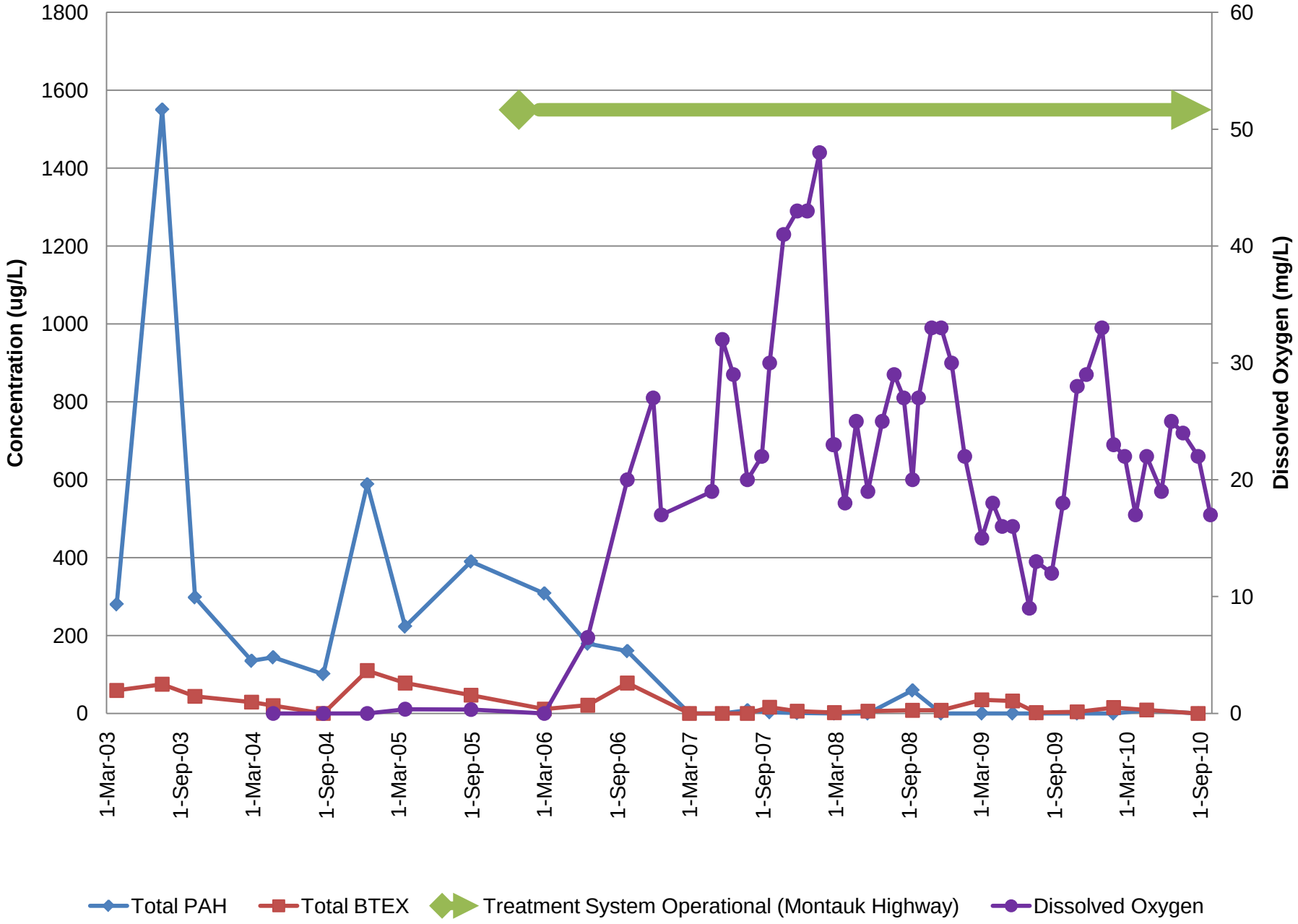
Monitoring Well BBMW-25S
4-14 ft bgs



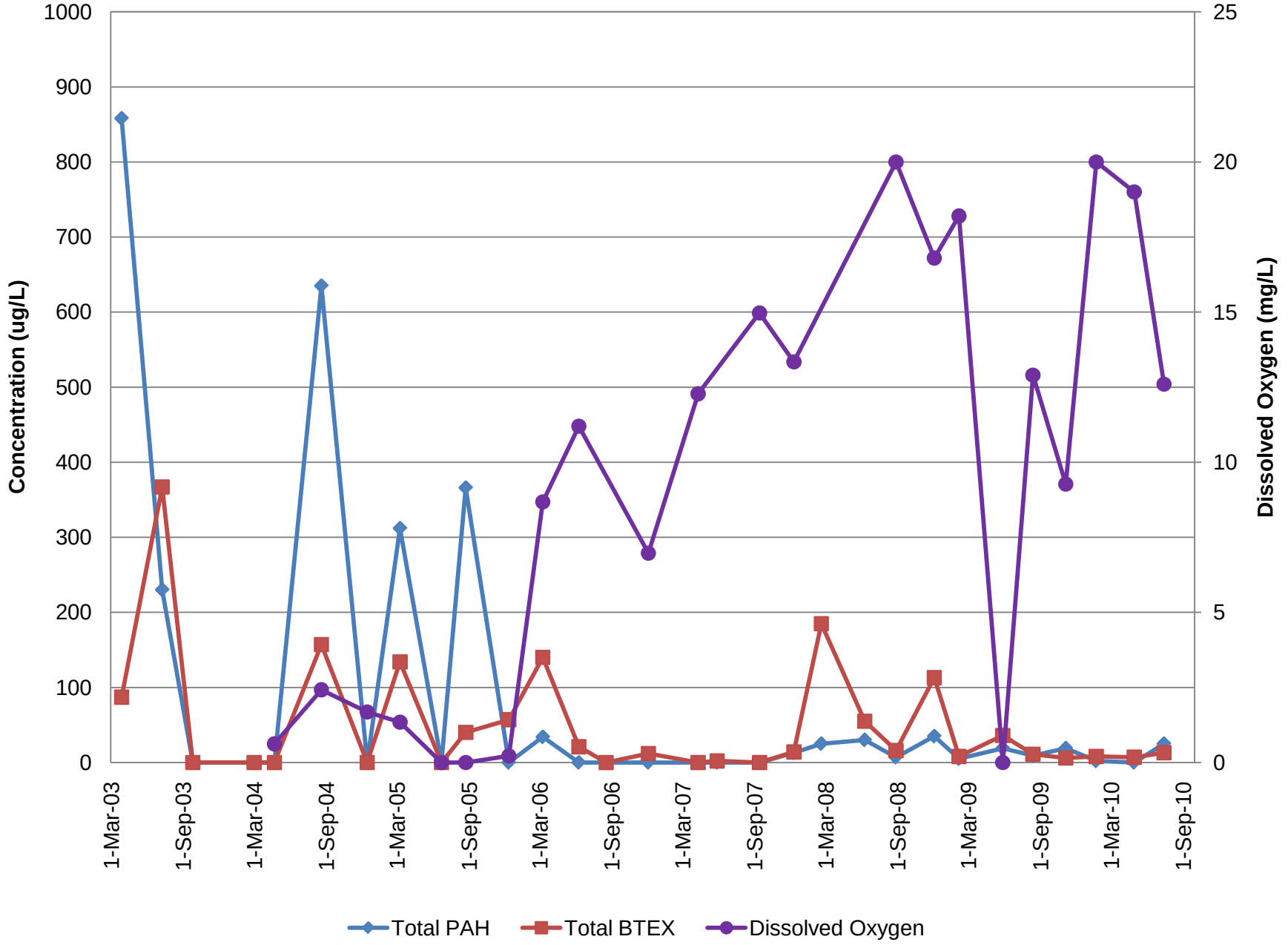
Monitoring Well BBMW-25I
25-35 ft bgs



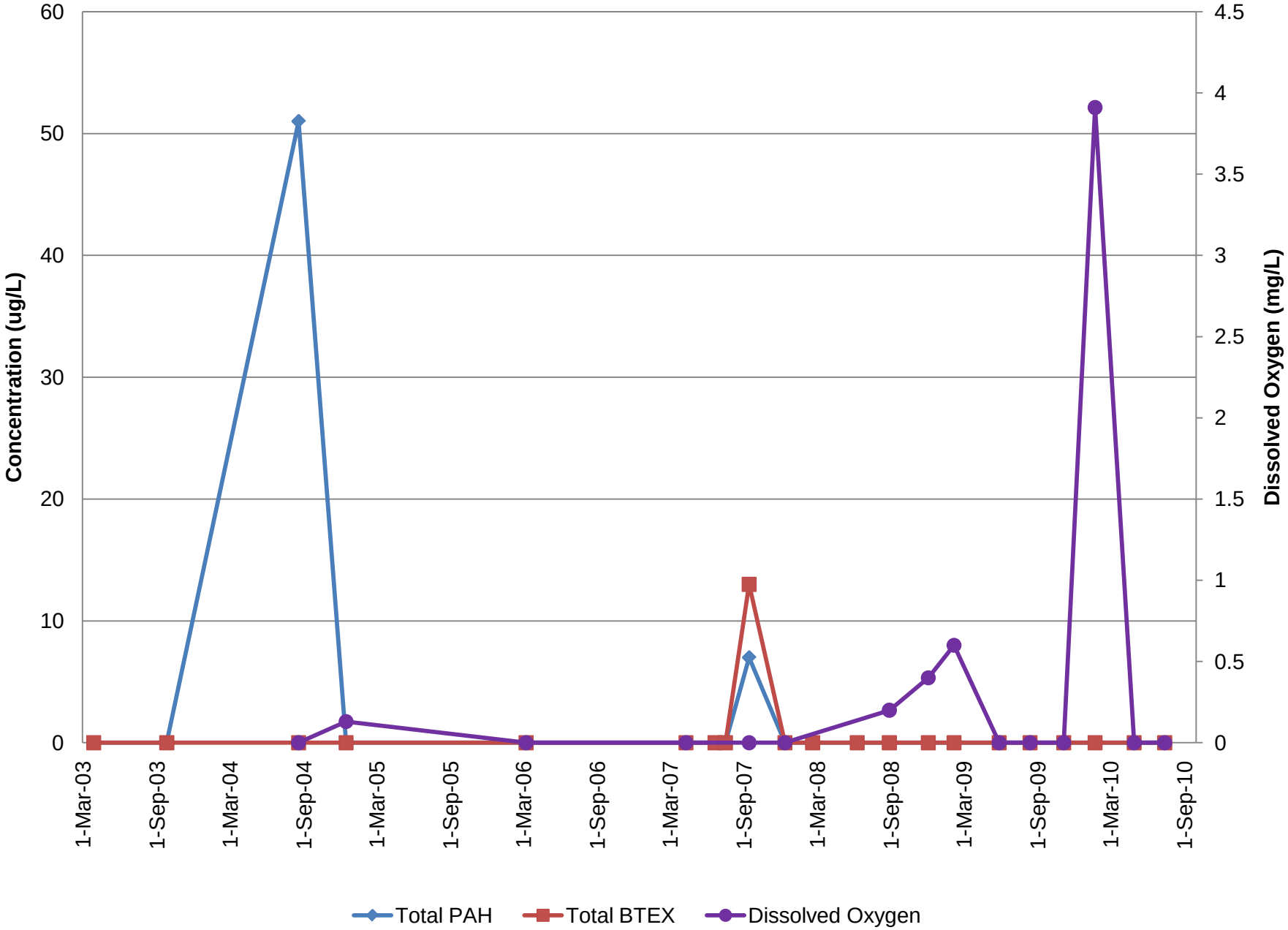
Monitoring Well BBMW-25D
62-72 ft bgs



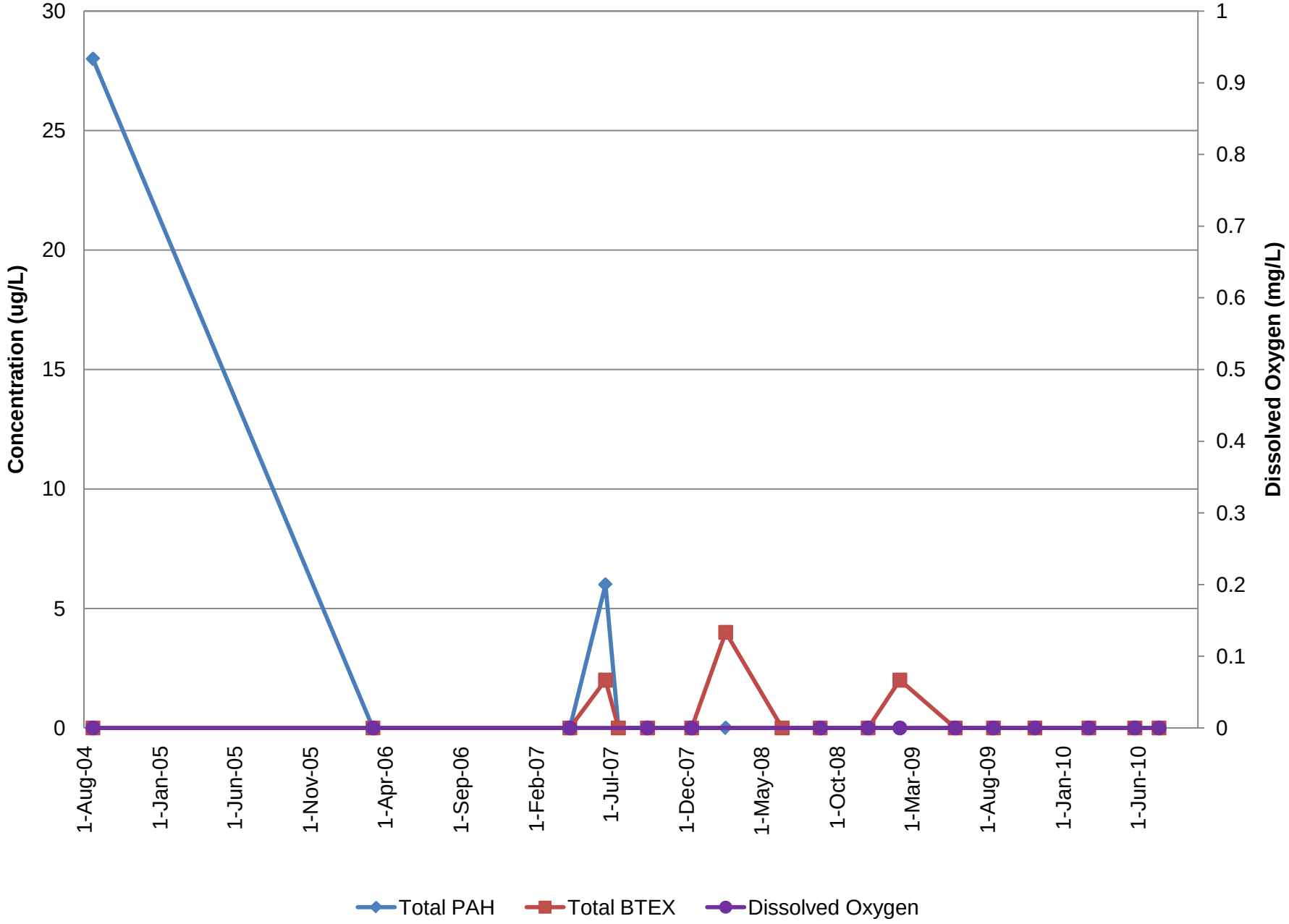
Monitoring Well GM-05S
5.1-20.1 ft bgs



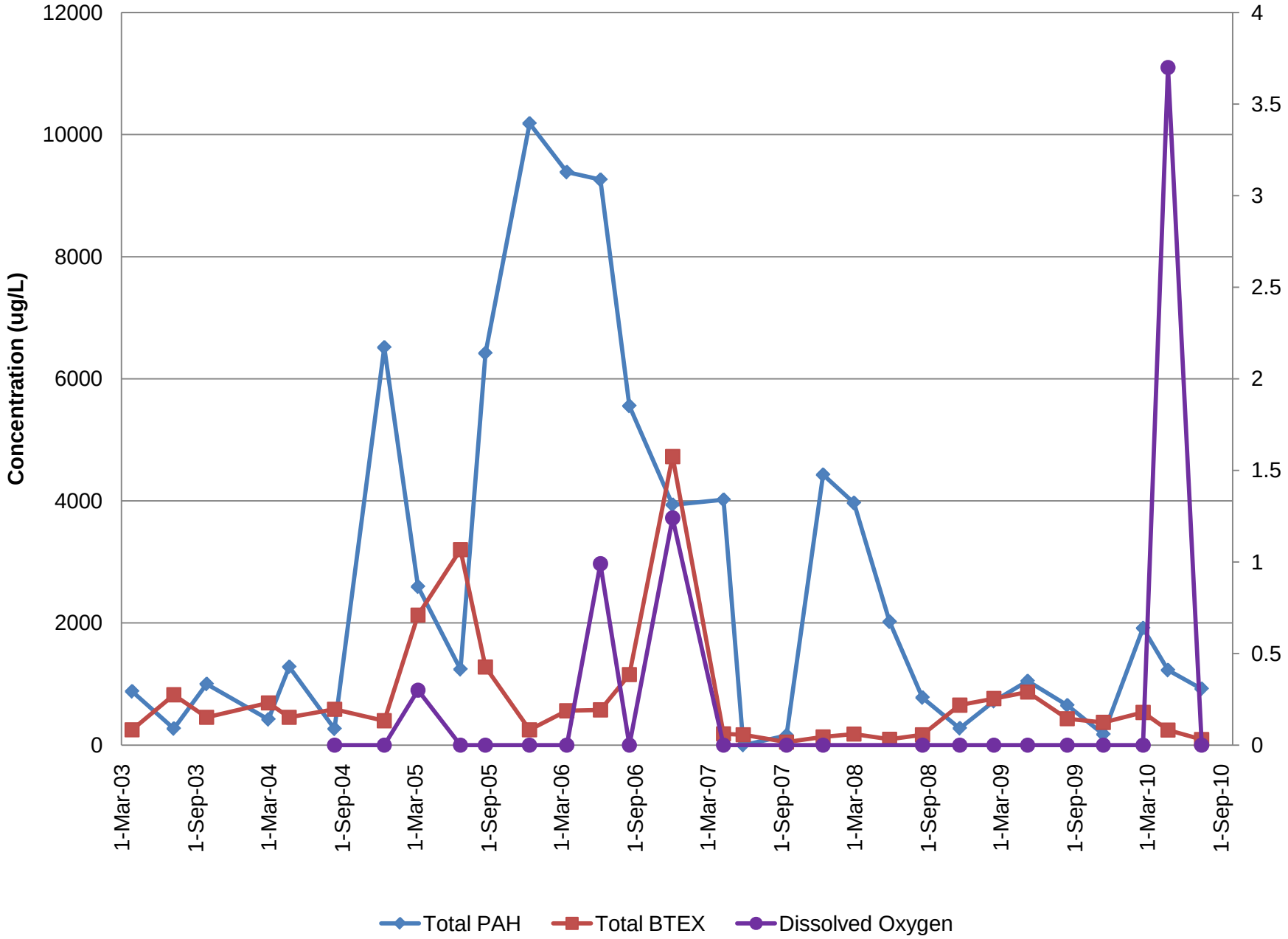
Monitoring Well GM-05I
35.05-48.05 ft bgs



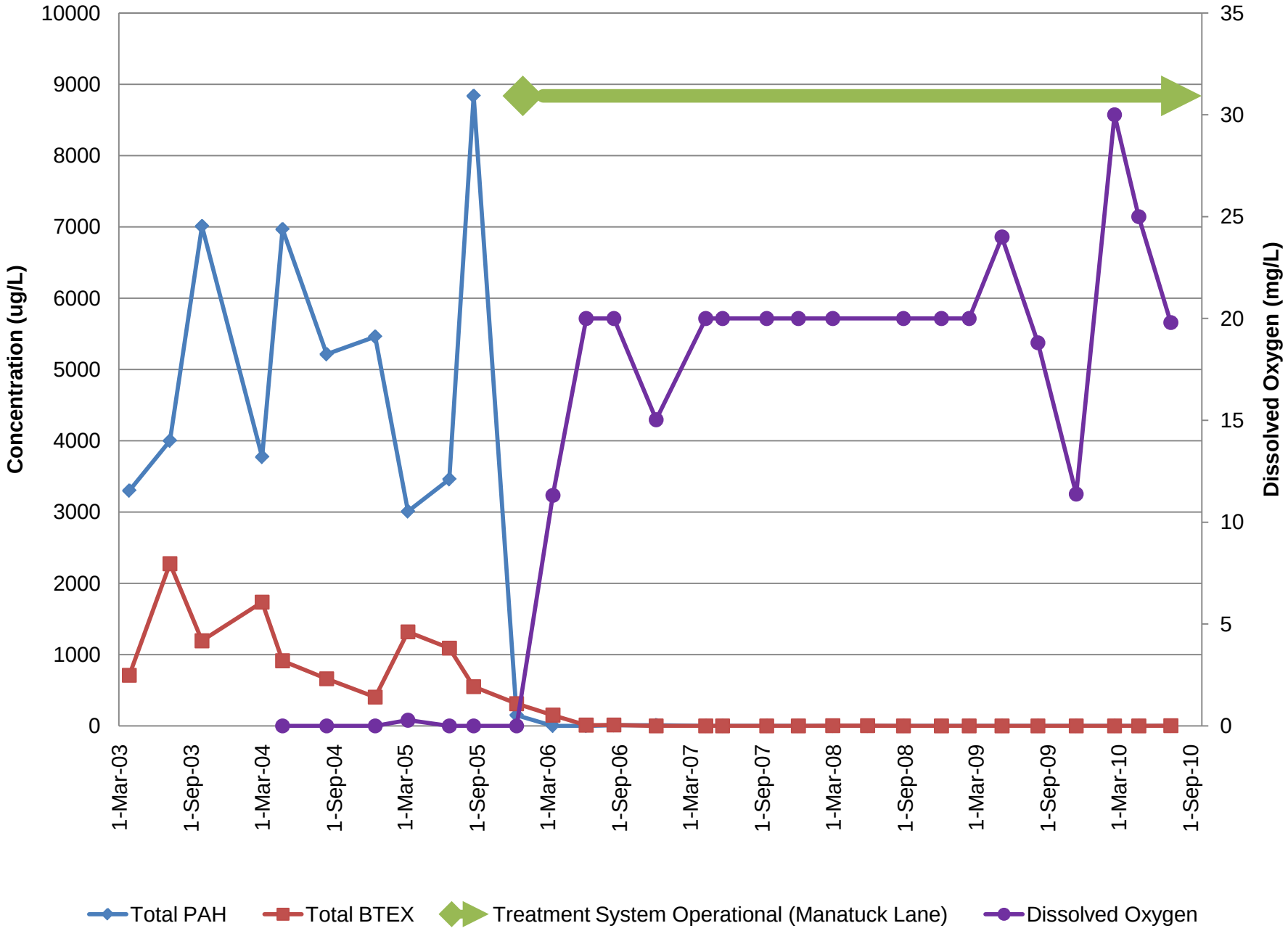
Monitoring Well GM-05D
60.95-75.95 ft bgs



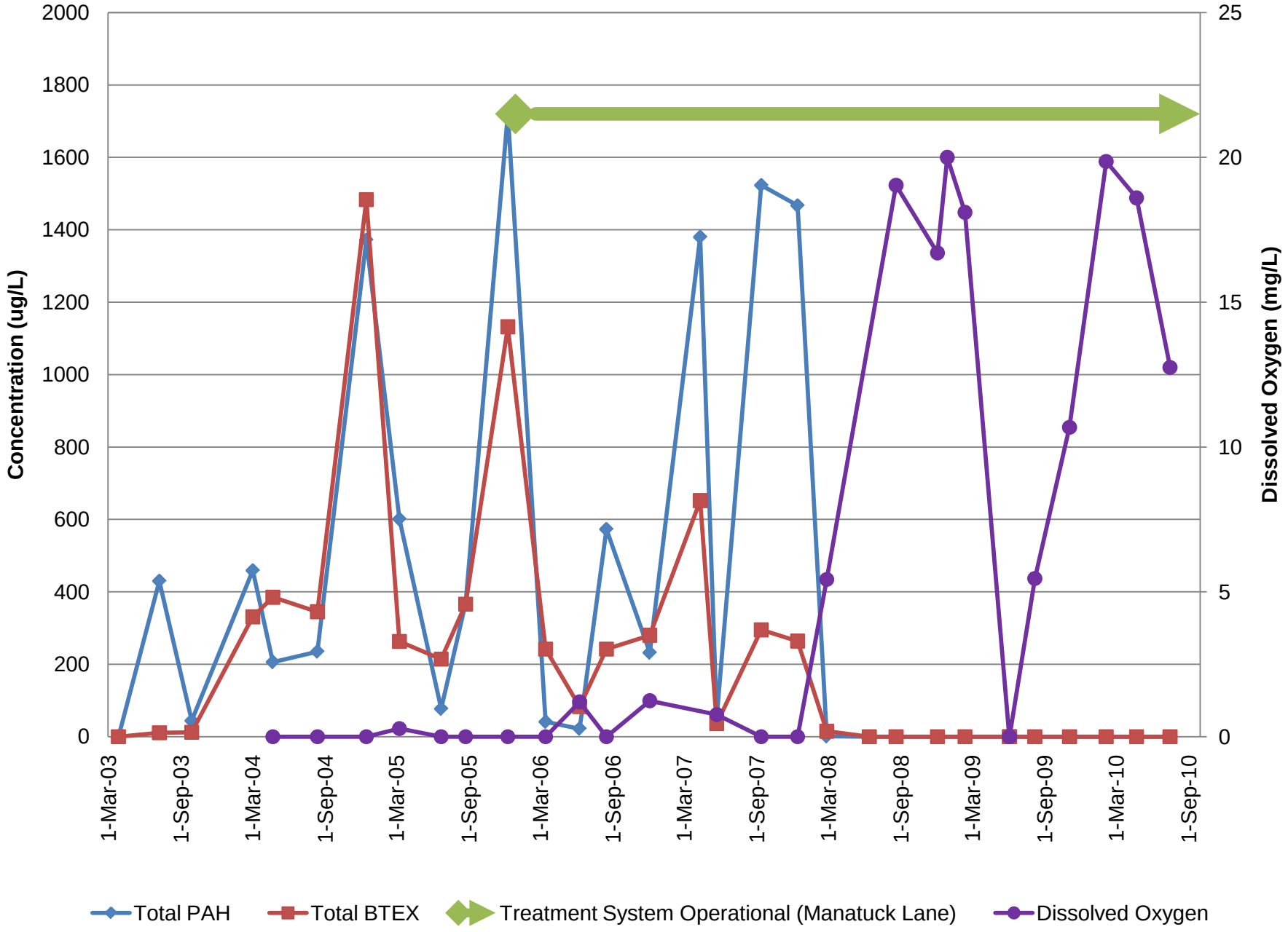
Monitoring Well GMP-01
25-30 ft bgs



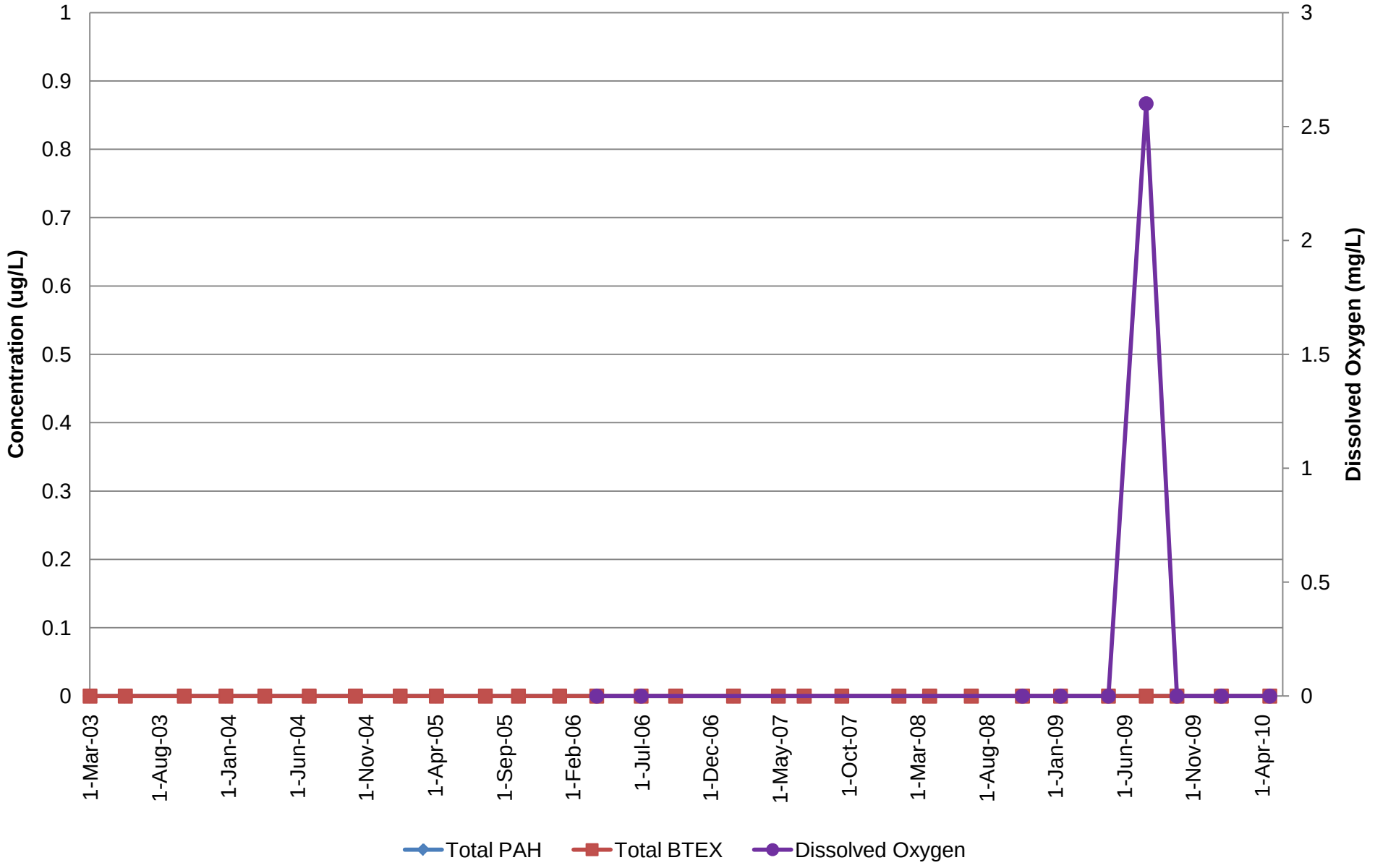
Monitoring Well GMP-02
28-32 ft bgs

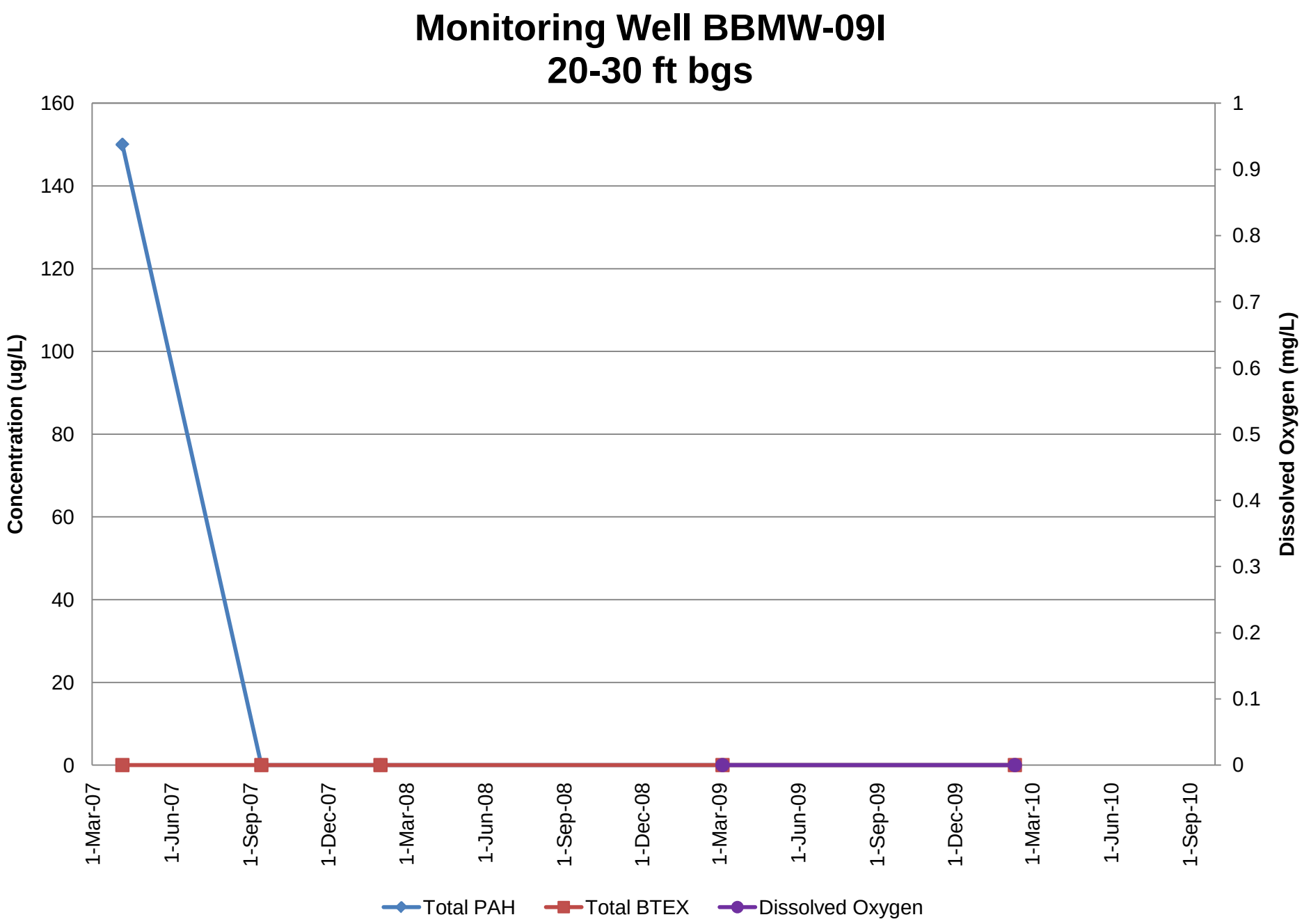


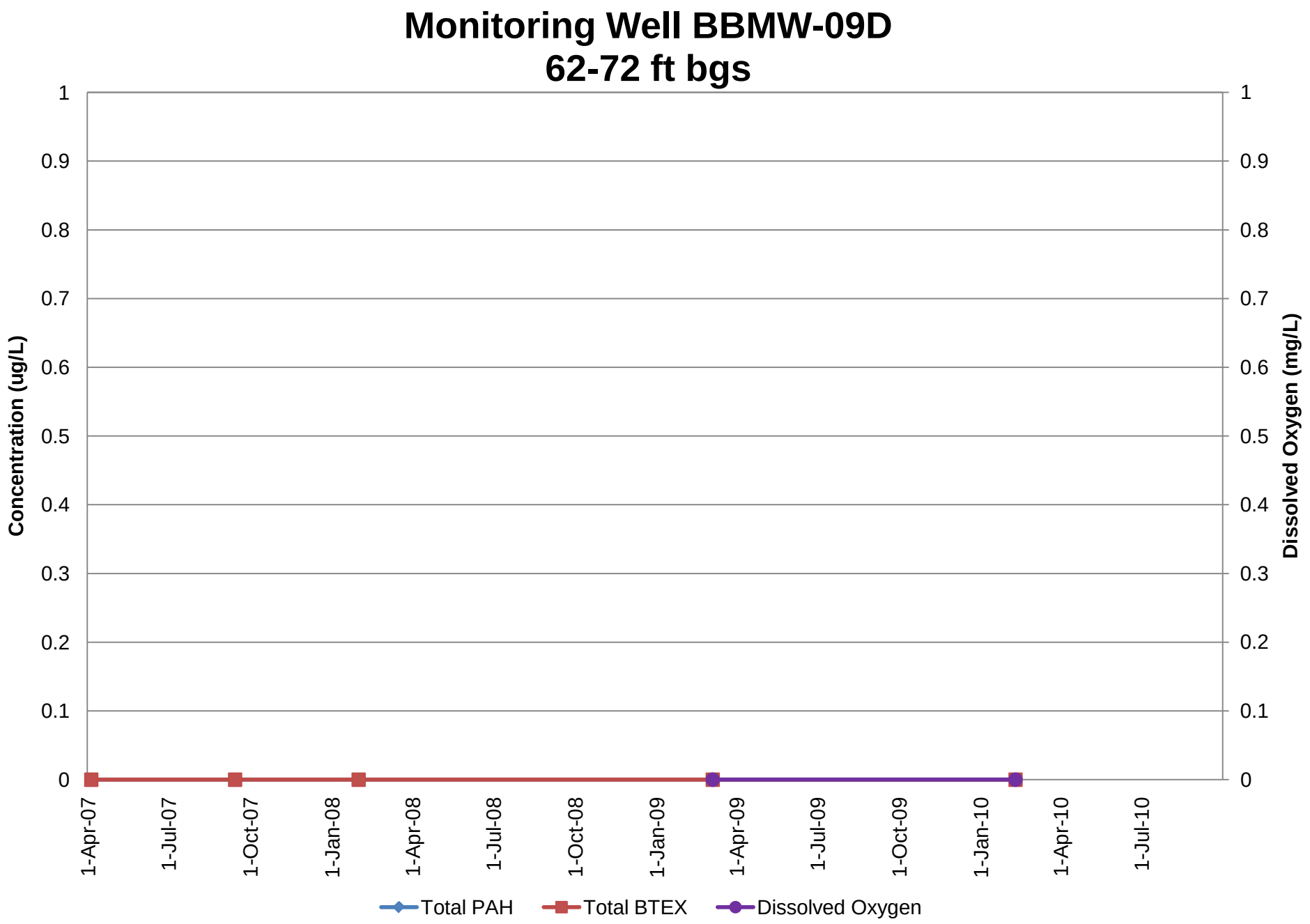
Monitoring Well GMP-04
15.5-20.5 ft bgs

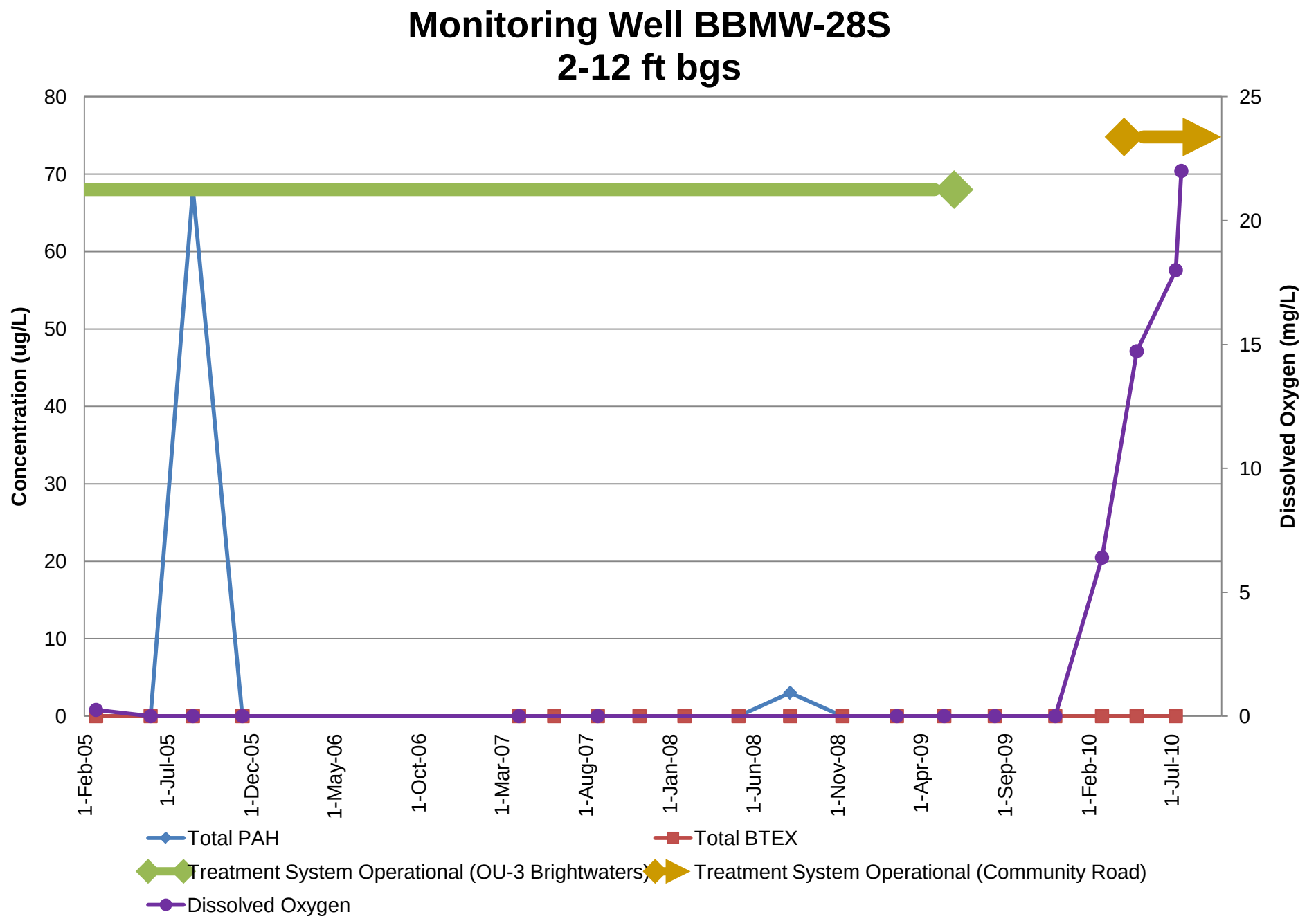


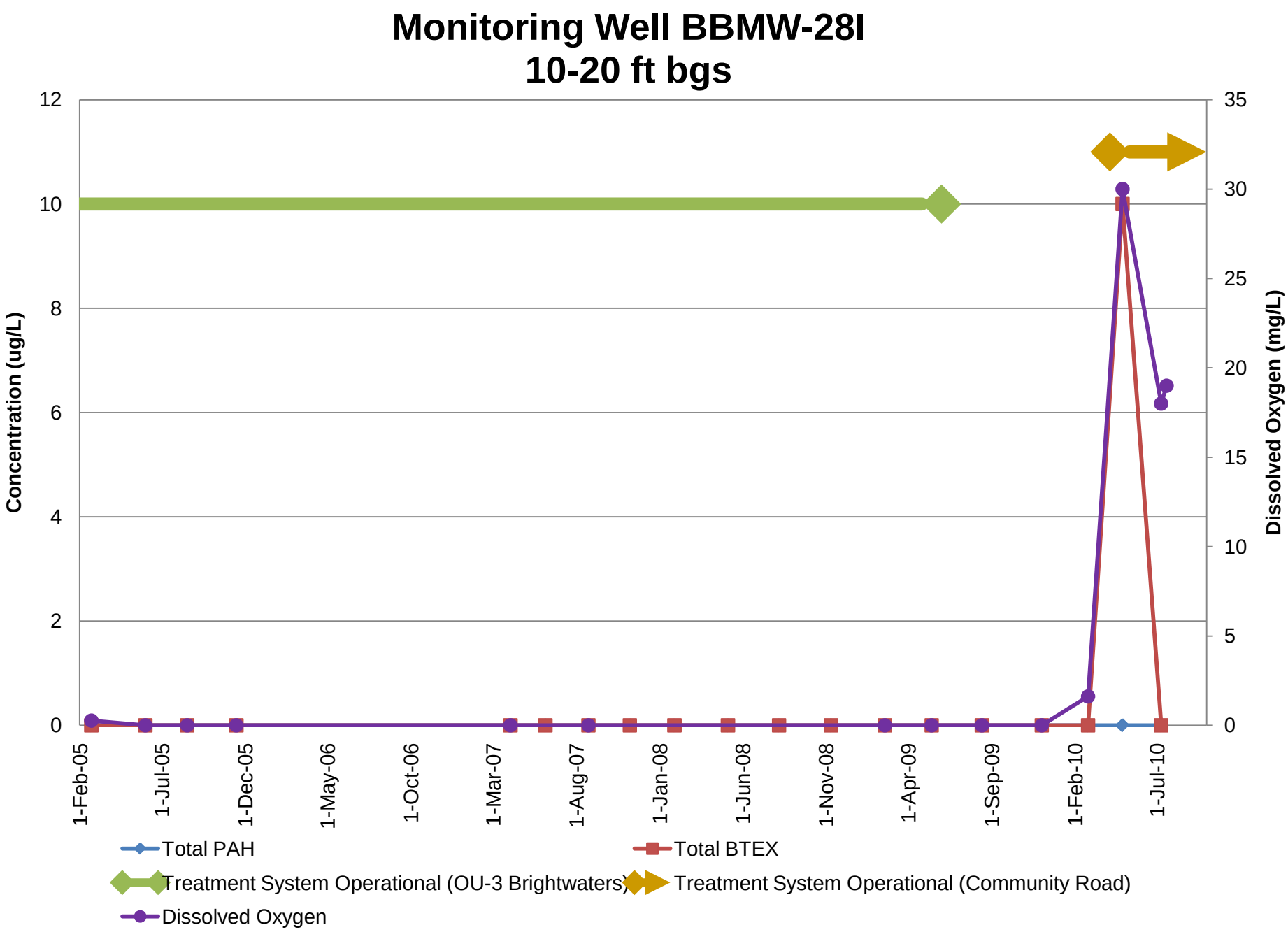
Monitoring Well BBMW-09S
5-15 ft bgs

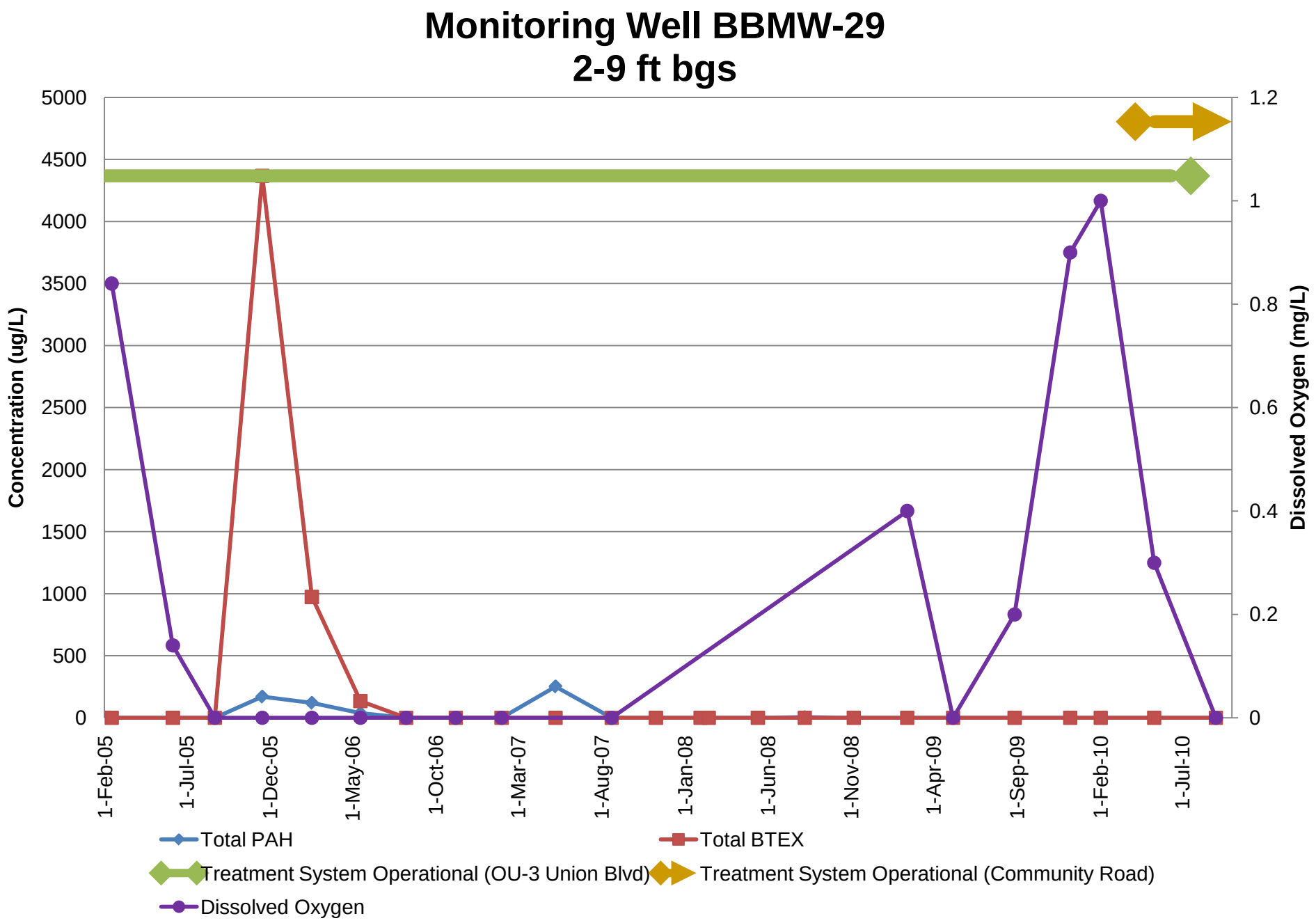


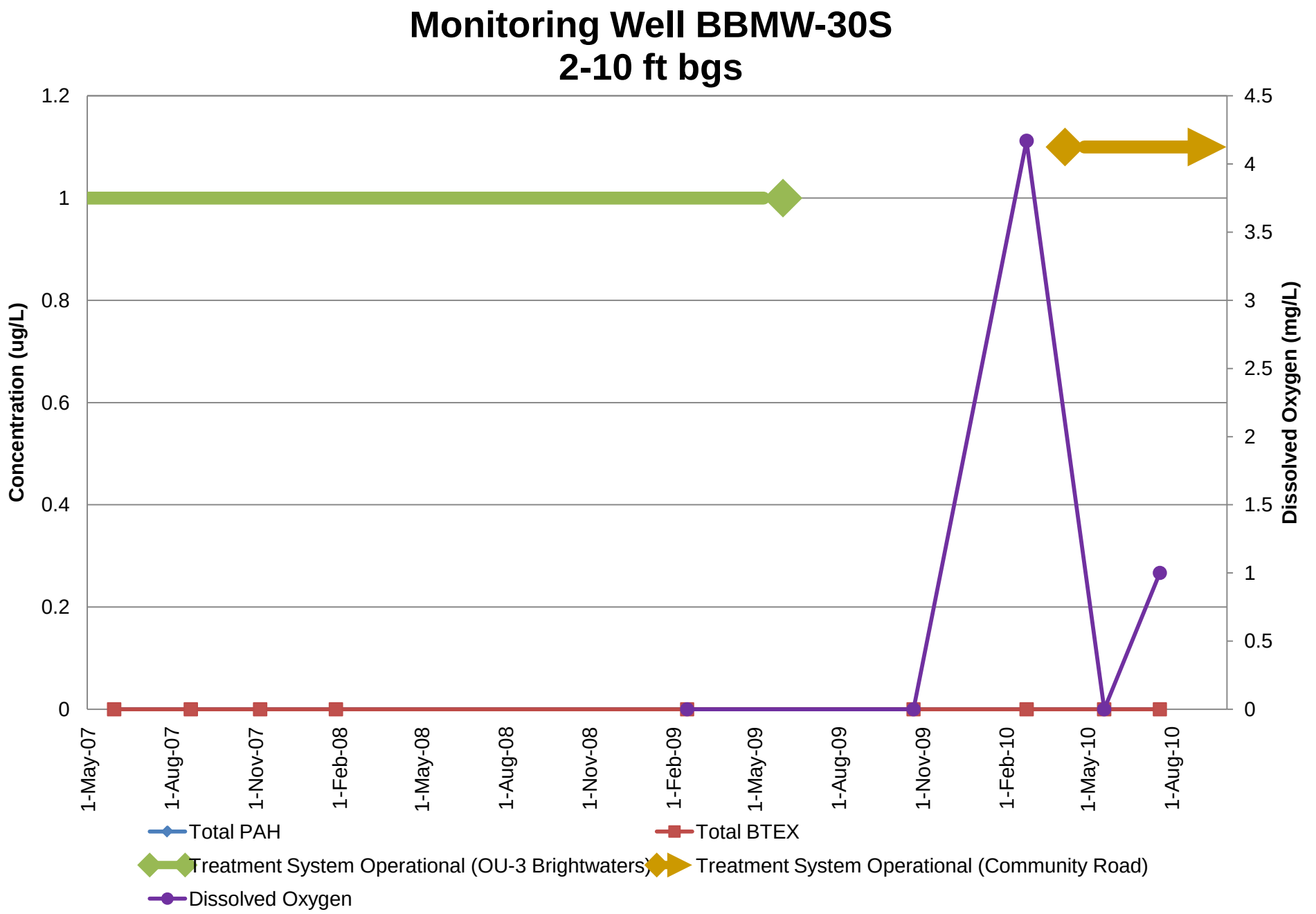

Monitoring Well BBMW-09I
20-30 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
160
140
120
100
80
60
40
20
0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
1-Mar-07
1-Jun-07
1-Sep-07
1-Dec-07
1-Mar-08
1-Jun-08
1-Sep-08
1-Dec-08
1-Mar-09
1-Jun-09
1-Sep-09
1-Dec-09
1-Mar-10
1-Jun-10
1-Sep-10
Total PAH
Total BTEX
Dissolved Oxygen

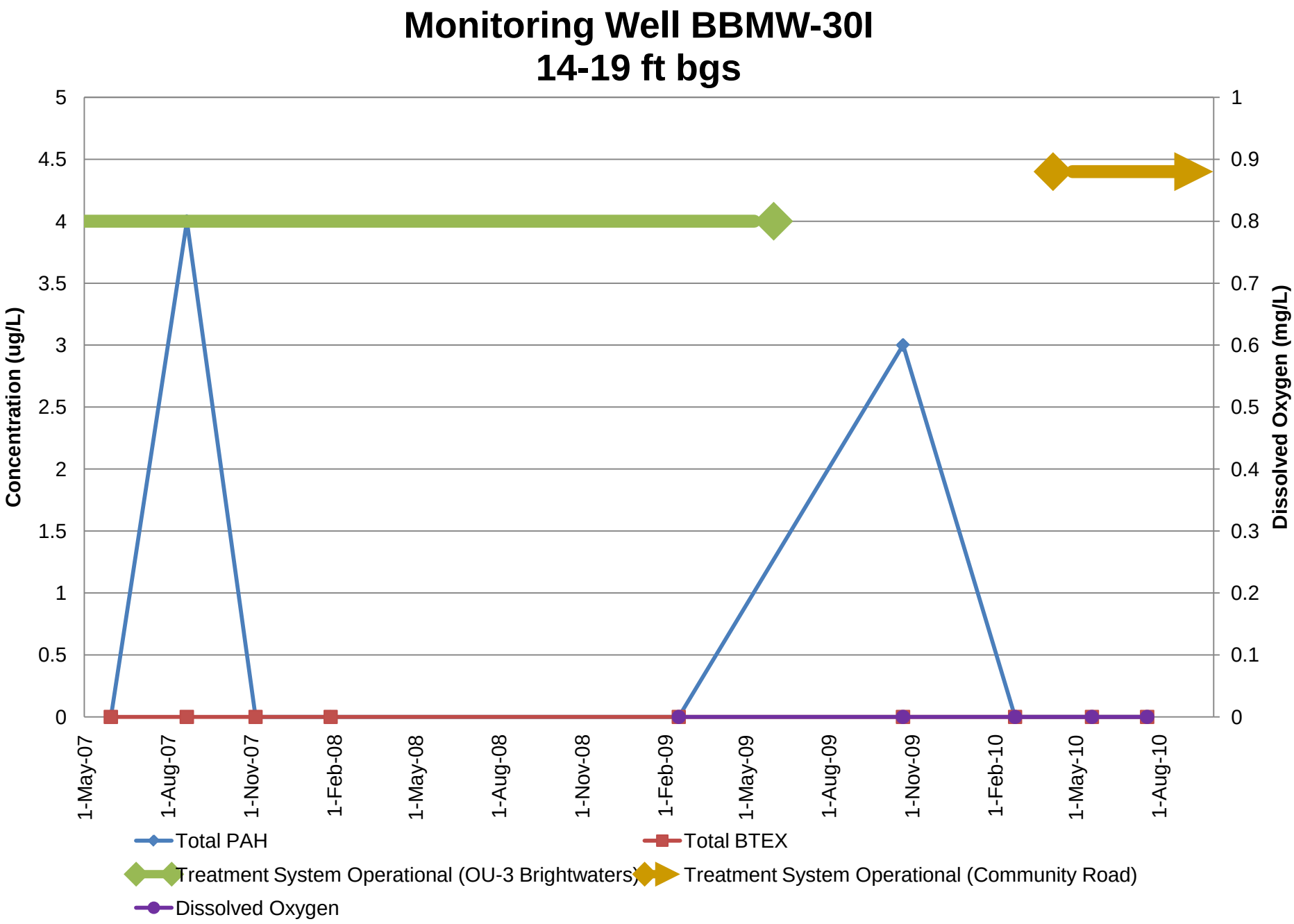

Monitoring Well BBMW-09D
62-72 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
1-Apr-07
1-Jul-07
1-Oct-07
1-Jan-08
1-Apr-08
1-Jul-08
1-Oct-08
1-Jan-09
1-Apr-09
1-Jul-09
1-Oct-09
1-Jan-10
1-Apr-10
1-Jul-10
Total PAH
Total BTEX
Dissolved Oxygen

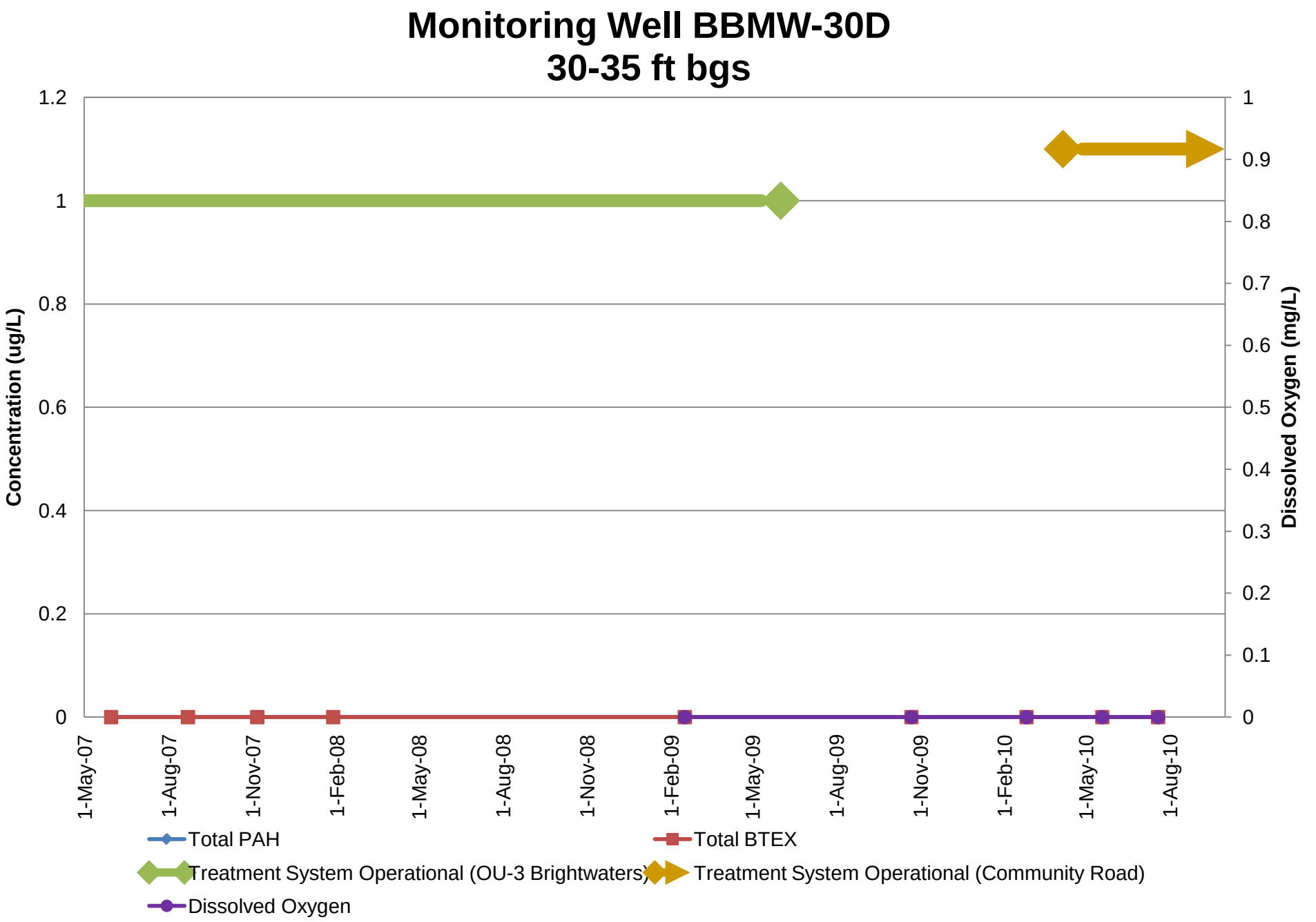

Monitoring Well BBMW-28S
2-12 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
0
10
20
30
40
50
60
70
80
0
5
10
15
20
25
1-Feb-05
1-Jul-05
1-Dec-05
1-May-06
1-Oct-06
1-Mar-07
1-Aug-07
1-Jan-08
1-Jun-08
1-Nov-08
1-Apr-09
1-Sep-09
1-Feb-10
1-Jul-10
Total PAH
Total BTEX
Treatment System Operational (OU-3 Brightwaters)
Treatment System Operational (Community Road)
Dissolved Oxygen

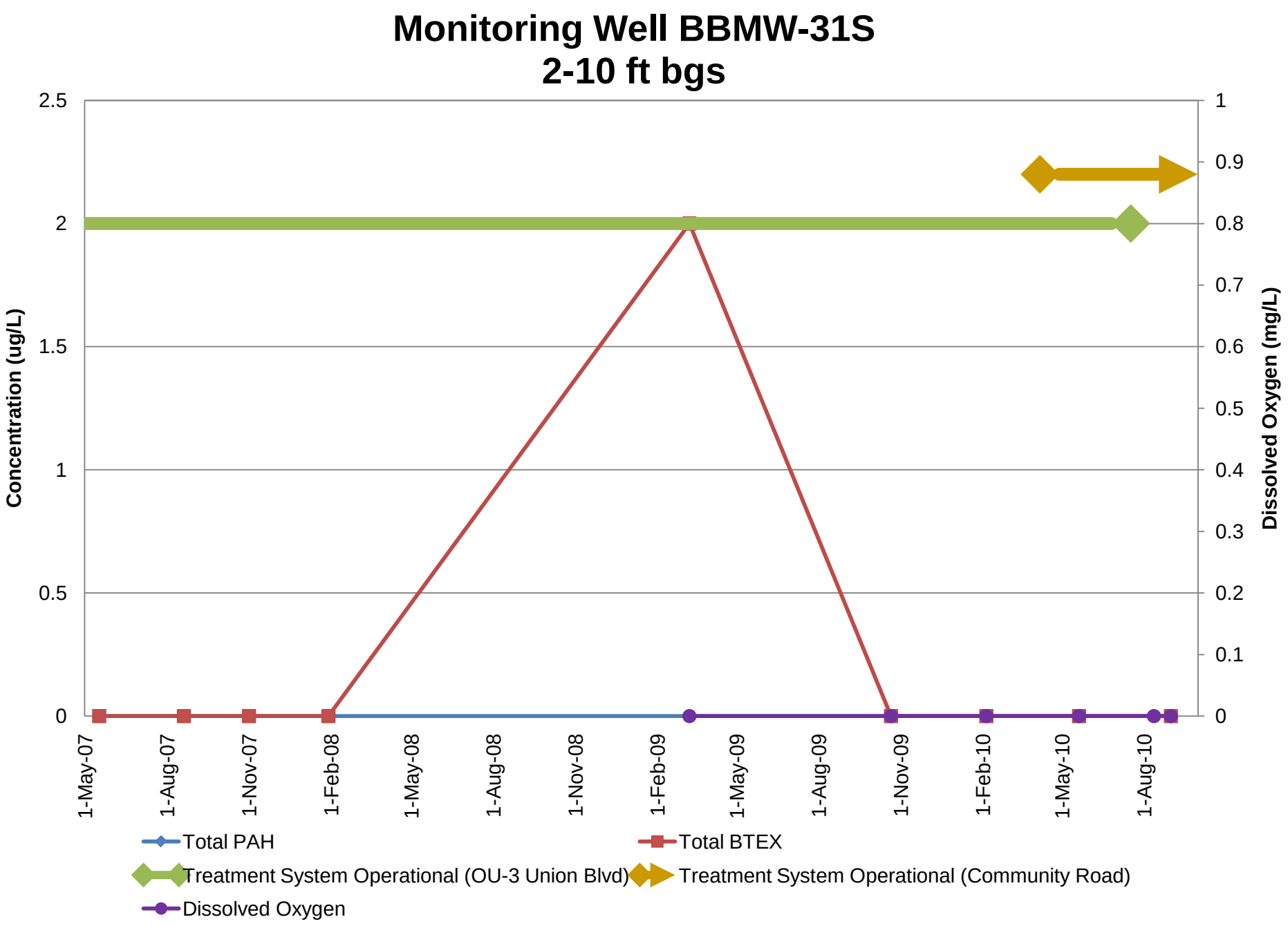

Monitoring Well BBMW-28I
10-20 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
0
2
4
6
8
10
12
0
5
10
15
20
25
30
35
1-Feb-05
1-Jul-05
1-Dec-05
1-May-06
1-Oct-06
1-Mar-07
1-Aug-07
1-Jan-08
1-Jun-08
1-Nov-08
1-Apr-09
1-Sep-09
1-Feb-10
1-Jul-10
Total PAH
Total BTEX
Treatment System Operational (OU-3 Brightwaters)
Treatment System Operational (Community Road)
Dissolved Oxygen

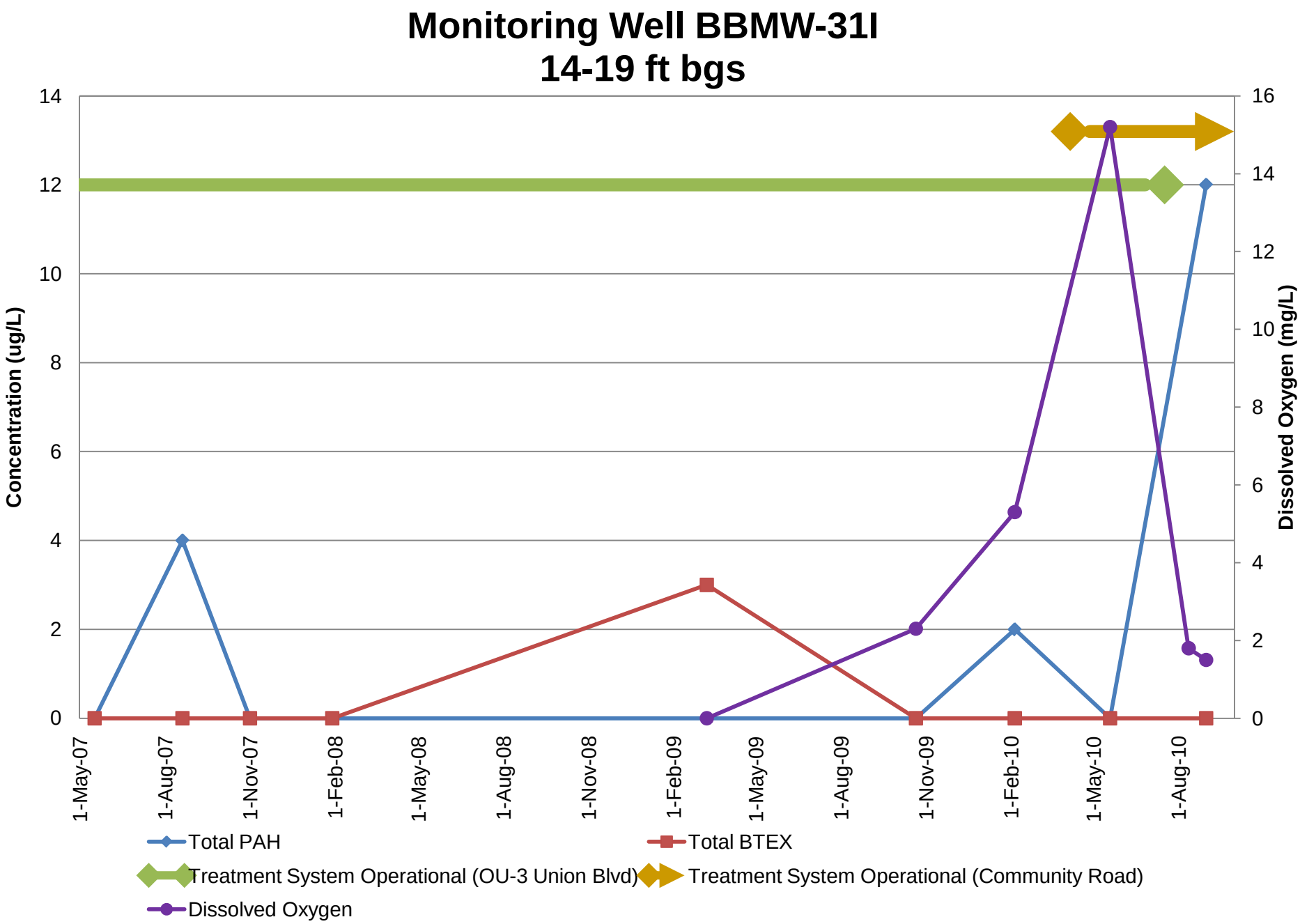

Monitoring Well BBMW-29
2-9 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
5000
4500
4000
3500
3000
2500
2000
1500
1000
500
0
1.2
1
0.8
0.6
0.4
0.2
0
1-Feb-05
1-Jul-05
1-Dec-05
1-May-06
1-Oct-06
1-Mar-07
1-Aug-07
1-Jan-08
1-Jun-08
1-Nov-08
1-Apr-09
1-Sep-09
1-Feb-10
1-Jul-10
Total PAH
Total BTEX
Treatment System Operational (OU-3 Union Blvd)
Treatment System Operational (Community Road)
Dissolved Oxygen

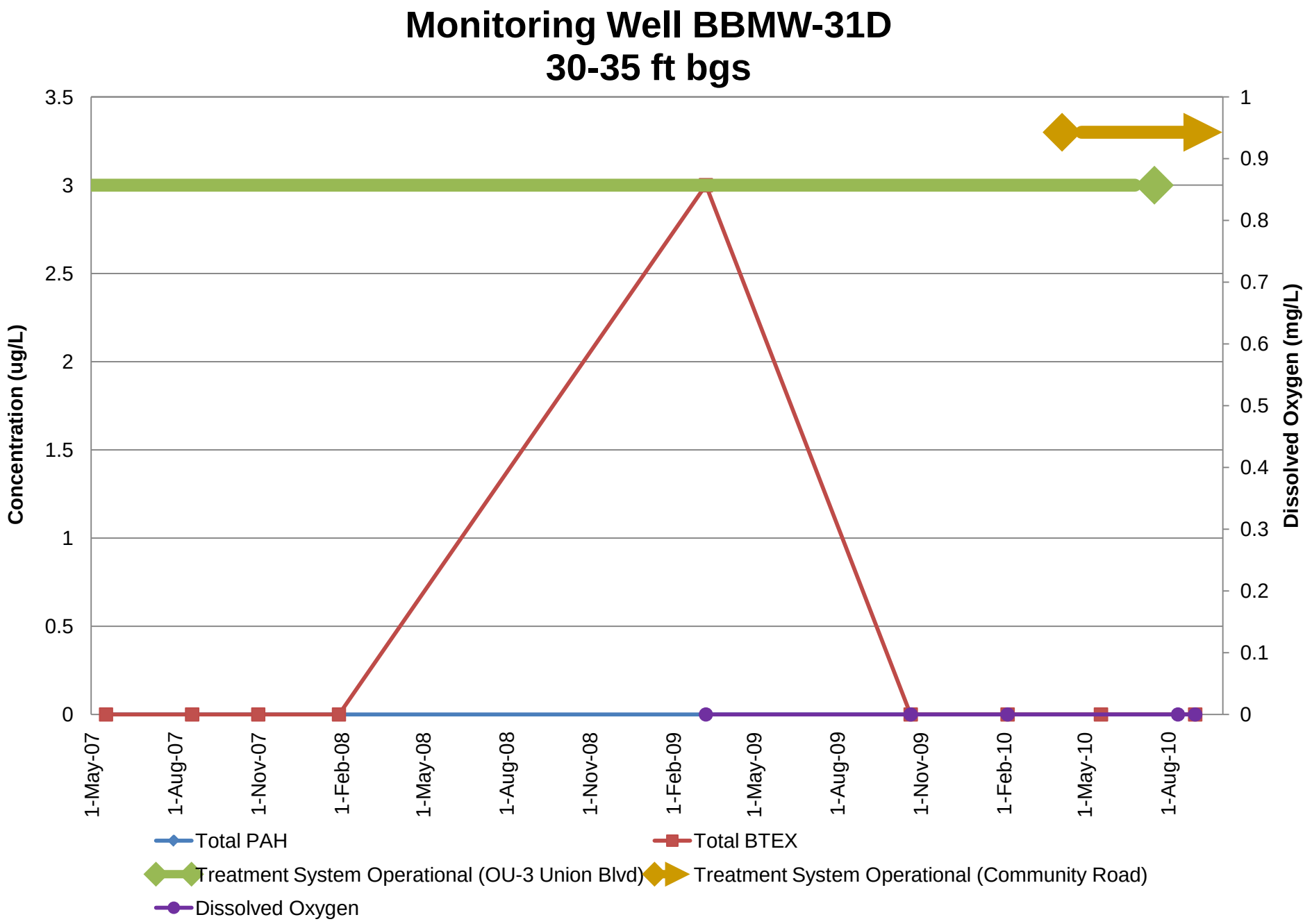

Monitoring Well BBMW-30S
2-10 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
1.2
1
0.8
0.6
0.4
0.2
0
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
1-May-07
1-Aug-07
1-Nov-07
1-Feb-08
1-May-08
1-Aug-08
1-Nov-08
1-Feb-09
1-May-09
1-Aug-09
1-Nov-09
1-Feb-10
1-May-10
1-Aug-10
Total PAH
Total BTEX
Treatment System Operational (OU-3 Brightwaters)
Treatment System Operational (Community Road)
Dissolved Oxygen

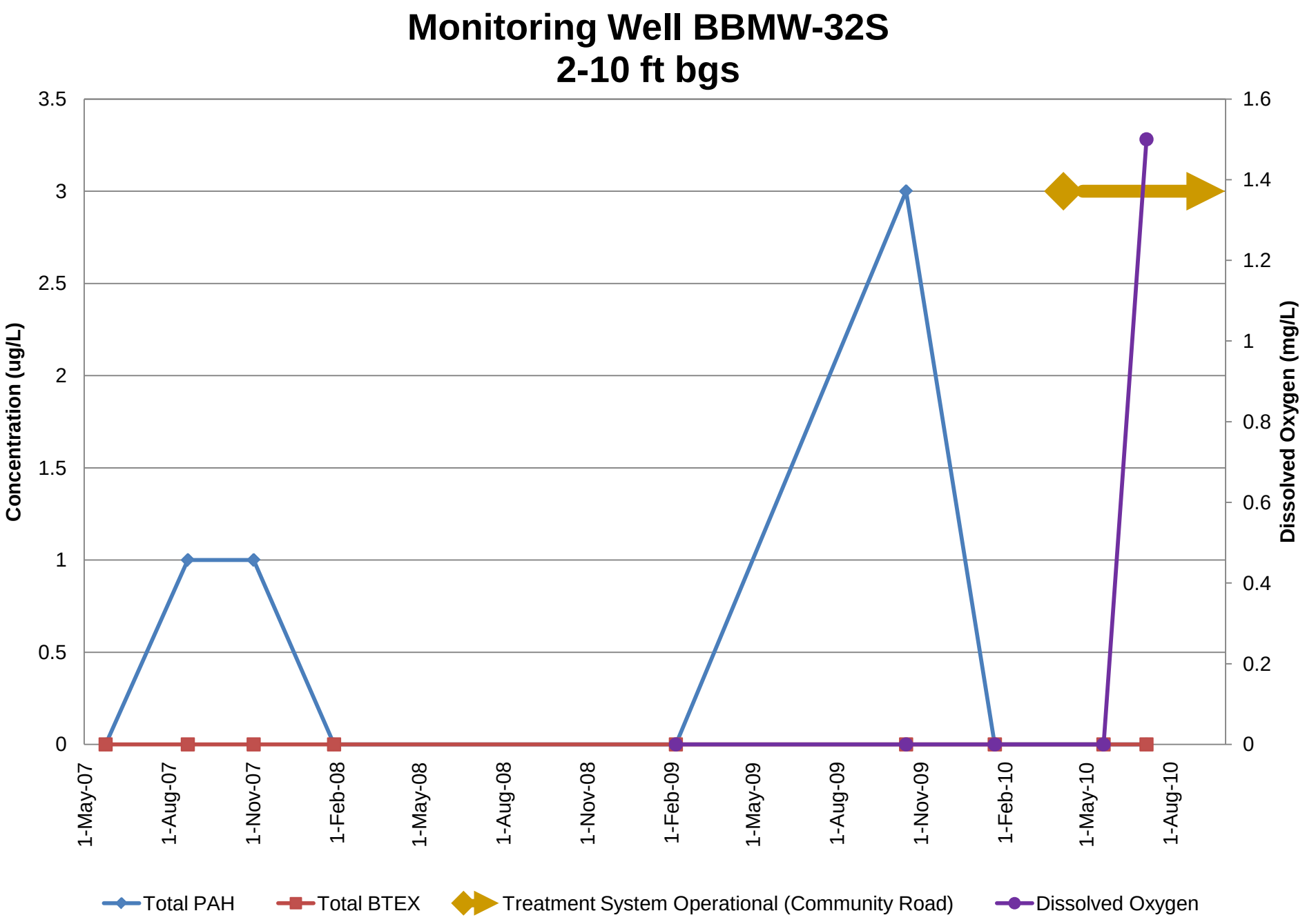

Monitoring Well BBMW-30I
14-19 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
1-May-07
1-Aug-07
1-Nov-07
1-Feb-08
1-May-08
1-Aug-08
1-Nov-08
1-Feb-09
1-May-09
1-Aug-09
1-Nov-09
1-Feb-10
1-May-10
1-Aug-10
Total PAH
Total BTEX
Treatment System Operational (OU-3 Brightwaters)
Treatment System Operational (Community Road)
Dissolved Oxygen

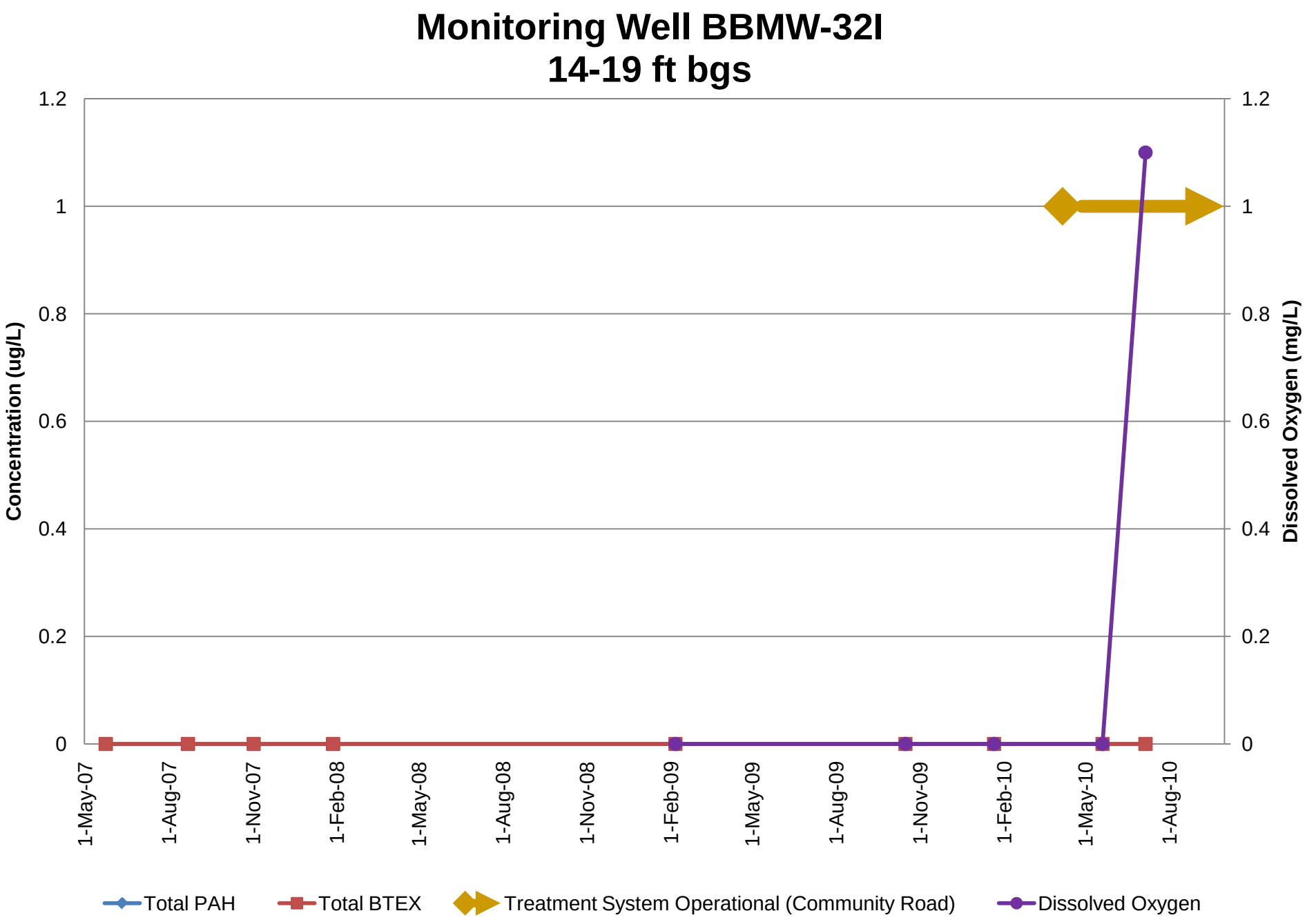

Monitoring Well BBMW-30D
30-35 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
1.2
1
0.8
0.6
0.4
0.2
0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
1-May-07
1-Aug-07
1-Nov-07
1-Feb-08
1-May-08
1-Aug-08
1-Nov-08
1-Feb-09
1-May-09
1-Aug-09
1-Nov-09
1-Feb-10
1-May-10
1-Aug-10
Total PAH
Total BTEX
Treatment System Operational (OU-3 Brightwaters)
Treatment System Operational (Community Road)
Dissolved Oxygen

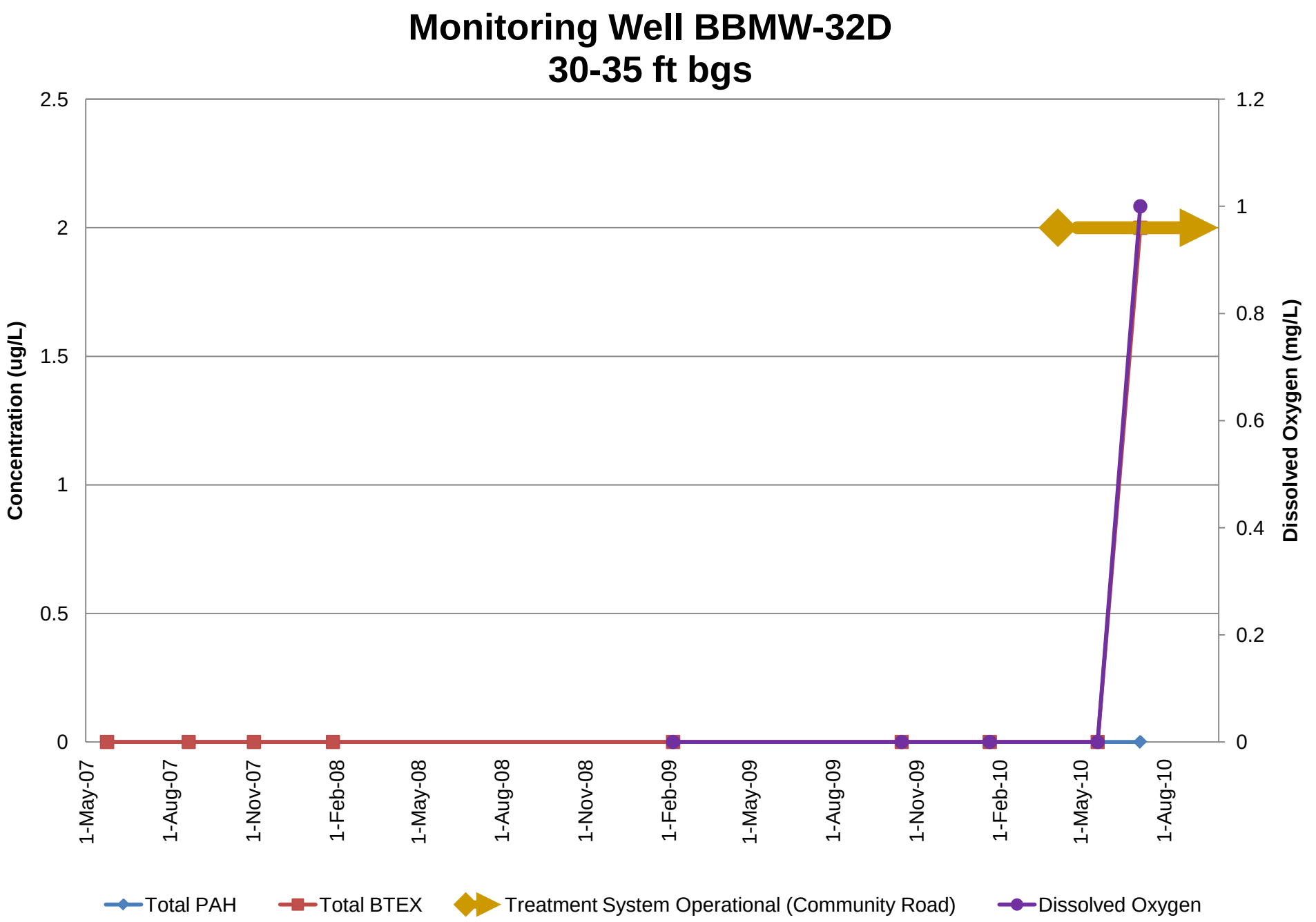

Monitoring Well BBMW-31S
2-10 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
2.5
2
1.5
1
0.5
0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
1-May-07
1-Aug-07
1-Nov-07
1-Feb-08
1-May-08
1-Aug-08
1-Nov-08
1-Feb-09
1-May-09
1-Aug-09
1-Nov-09
1-Feb-10
1-May-10
1-Aug-10
Total PAH
Total BTEX
Treatment System Operational (OU-3 Union Blvd)
Treatment System Operational (Community Road)
Dissolved Oxygen

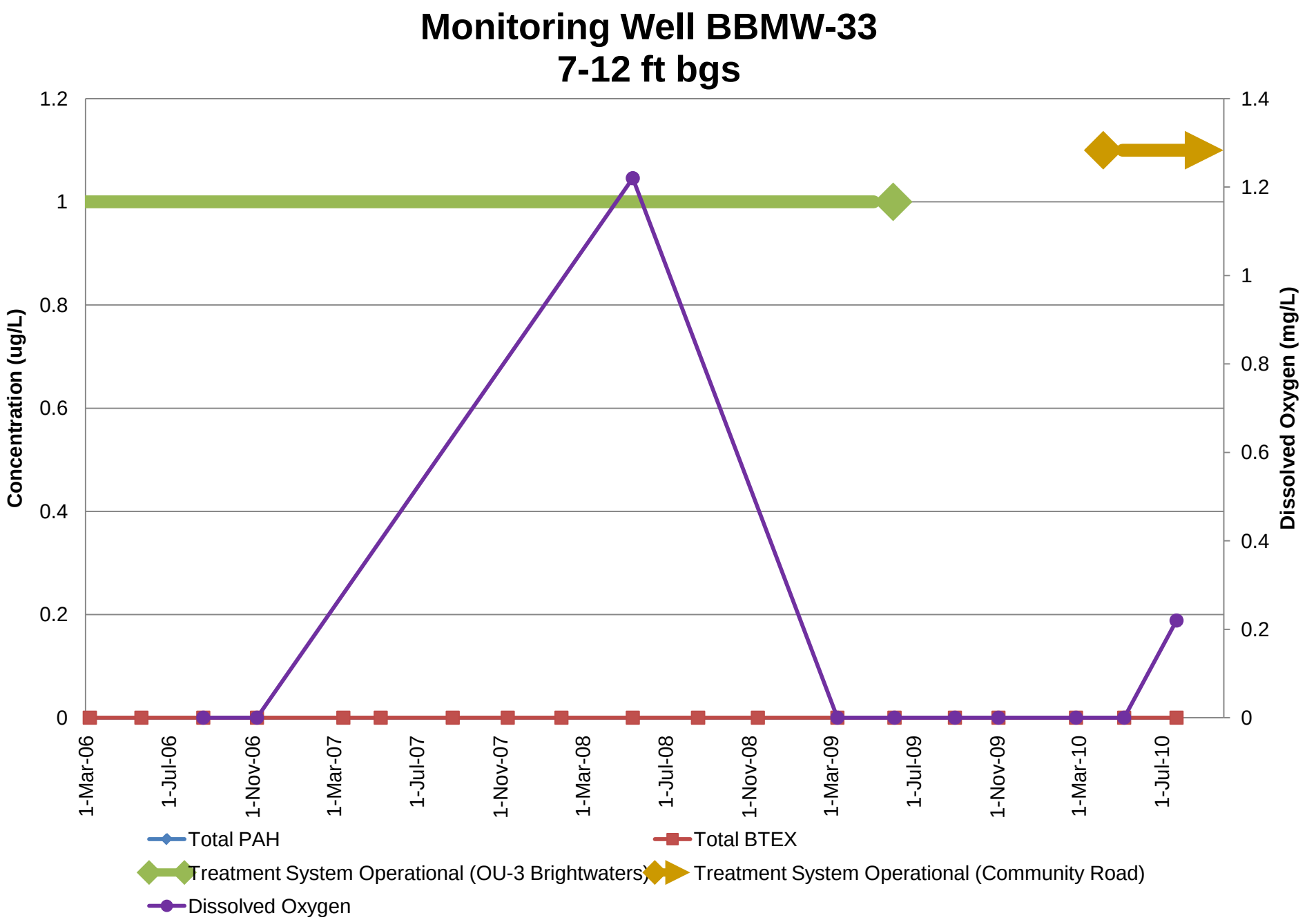

Monitoring Well BBMW-31I
14-19 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
0
2
4
6
8
10
12
14
16
1-May-07
1-Aug-07
1-Nov-07
1-Feb-08
1-May-08
1-Aug-08
1-Nov-08
1-Feb-09
1-May-09
1-Aug-09
1-Nov-09
1-Feb-10
1-May-10
1-Aug-10
Total PAH
Total BTEX
Treatment System Operational (OU-3 Union Blvd)
Treatment System Operational (Community Road)
Dissolved Oxygen

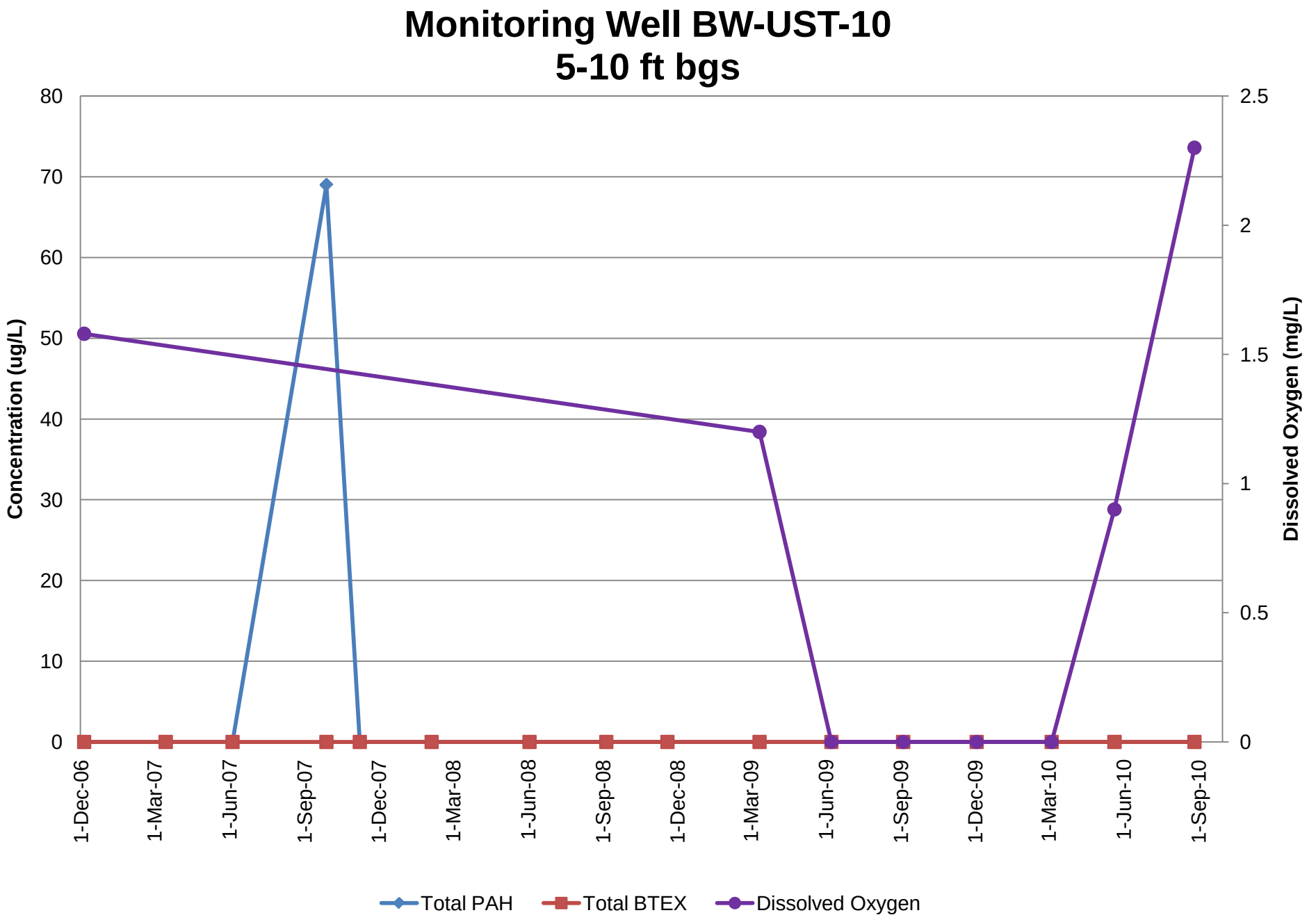

Monitoring Well BBMW-31D
30-35 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
3.5
3
2.5
2
1.5
1
0.5
0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
1-May-07
1-Aug-07
1-Nov-07
1-Feb-08
1-May-08
1-Aug-08
1-Nov-08
1-Feb-09
1-May-09
1-Aug-09
1-Nov-09
1-Feb-10
1-May-10
1-Aug-10
Total PAH
Total BTEX
Treatment System Operational (OU-3 Union Blvd)
Treatment System Operational (Community Road)
Dissolved Oxygen

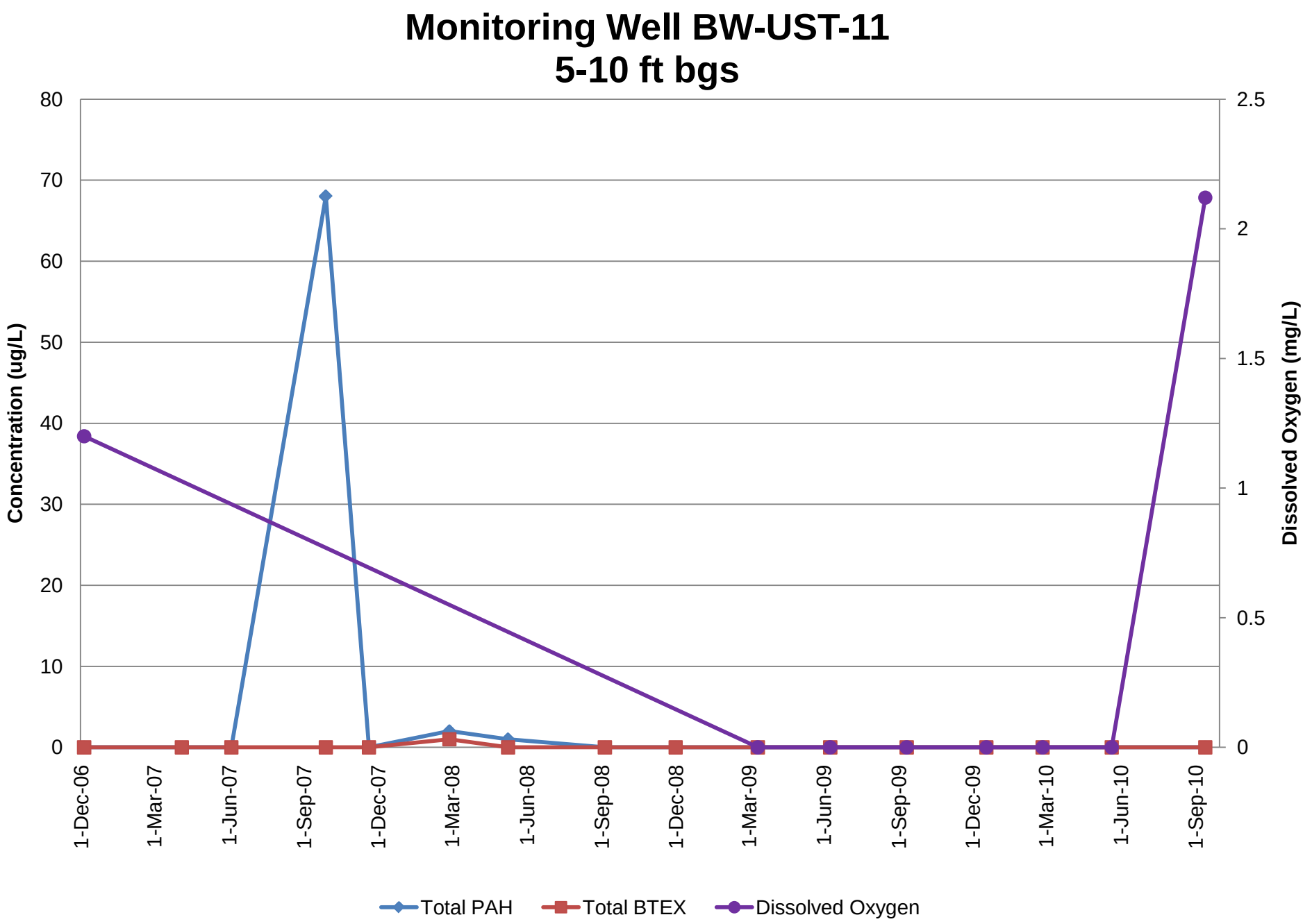

Monitoring Well BBMW-32S
2-10 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
3.5
3
2.5
2
1.5
1
0.5
0
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
1-May-07
1-Aug-07
1-Nov-07
1-Feb-08
1-May-08
1-Aug-08
1-Nov-08
1-Feb-09
1-May-09
1-Aug-09
1-Nov-09
1-Feb-10
1-May-10
1-Aug-10
Total PAH
Total BTEX
Treatment System Operational (Community Road)
Dissolved Oxygen

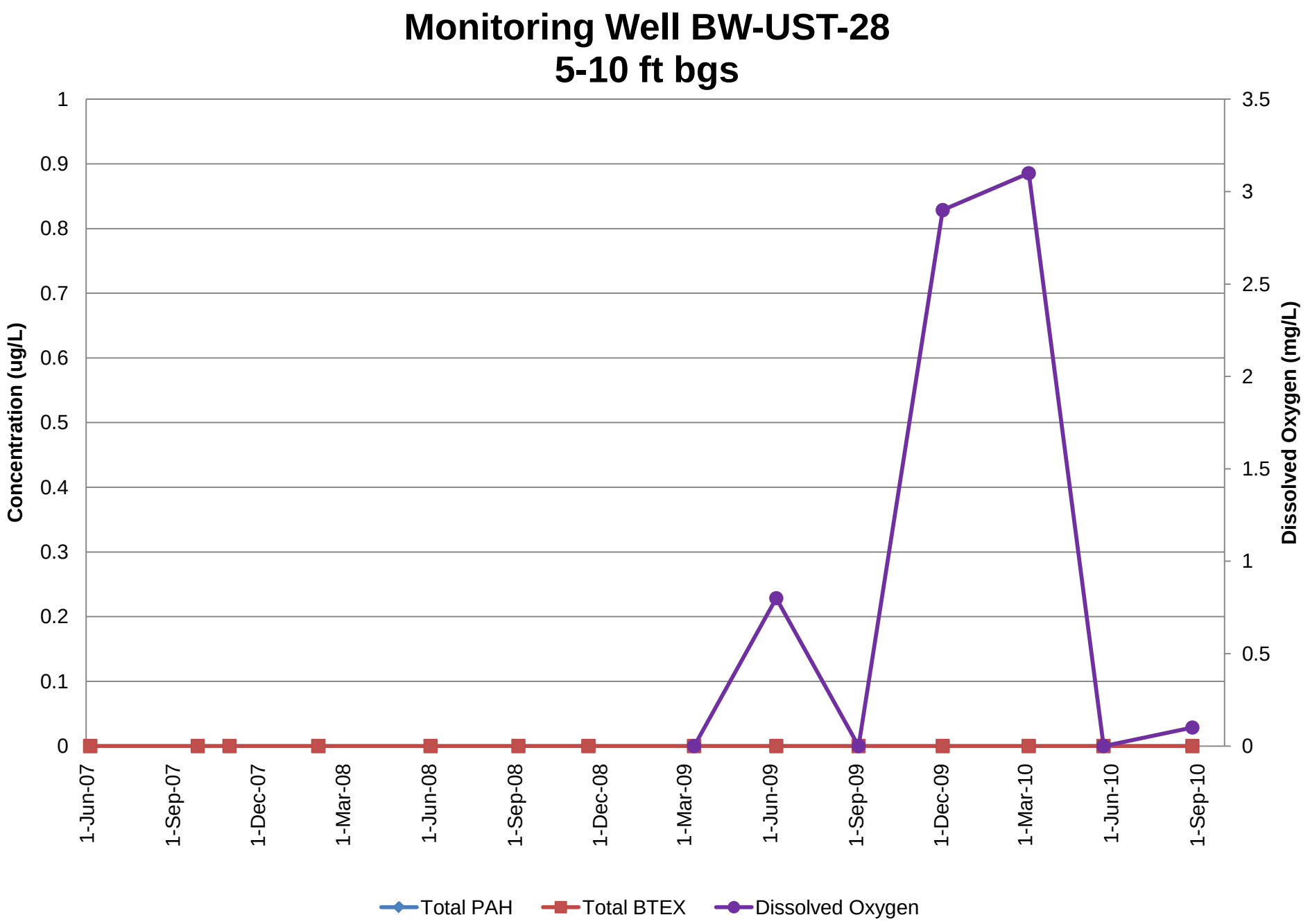

Monitoring Well BBMW-32I
14-19 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
1.2
1
0.8
0.6
0.4
0.2
0
1-May-07
1-Aug-07
1-Nov-07
1-Feb-08
1-May-08
1-Aug-08
1-Nov-08
1-Feb-09
1-May-09
1-Aug-09
1-Nov-09
1-Feb-10
1-May-10
1-Aug-10
Total PAH
Total BTEX
Treatment System Operational (Community Road)
Dissolved Oxygen

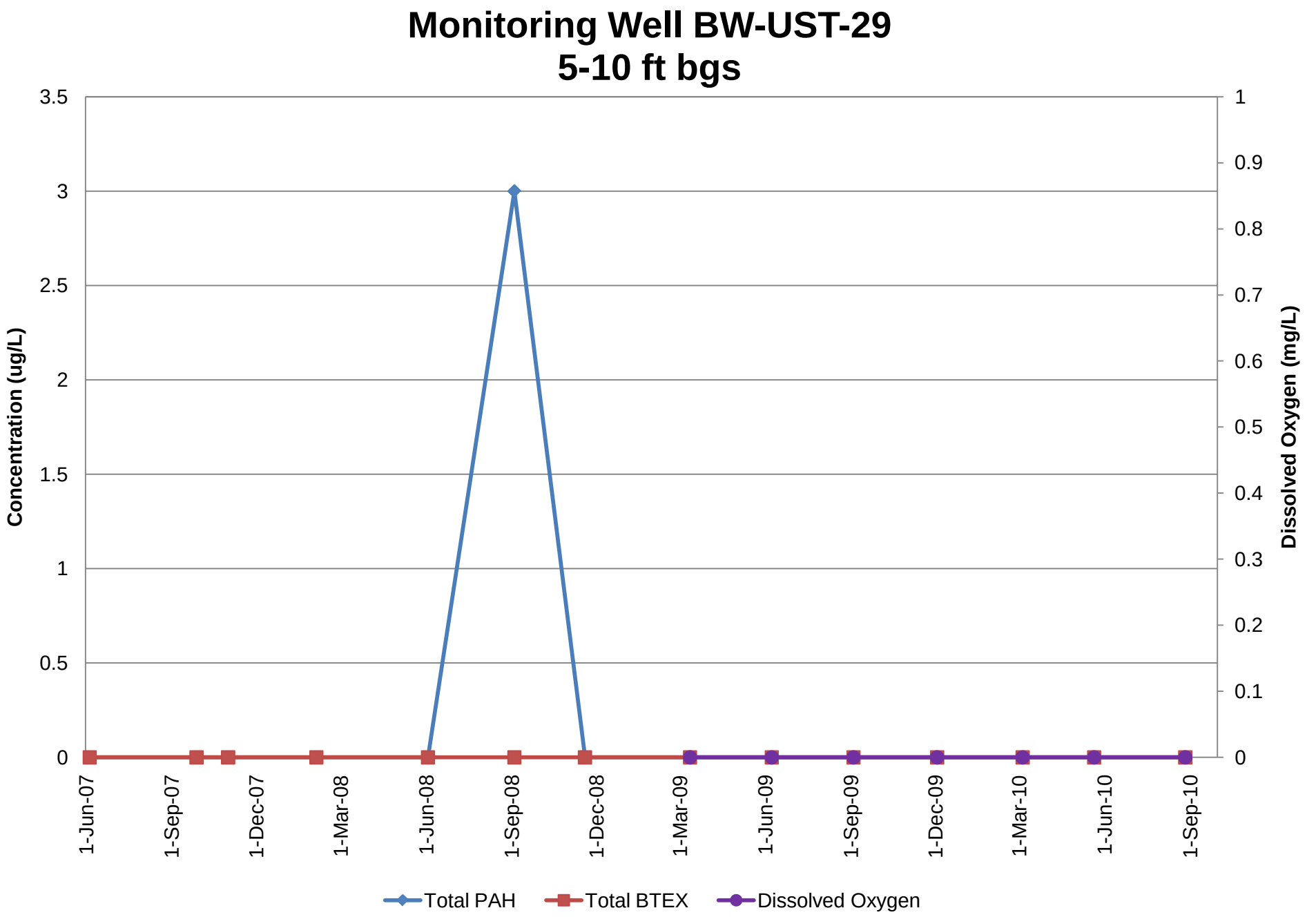

Monitoring Well BBMW-32D
30-35 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
2.5
2
1.5
1
0.5
0
1.2
1
0.8
0.6
0.4
0.2
0
1-May-07
1-Aug-07
1-Nov-07
1-Feb-08
1-May-08
1-Aug-08
1-Nov-08
1-Feb-09
1-May-09
1-Aug-09
1-Nov-09
1-Feb-10
1-May-10
1-Aug-10
Total PAH
Total BTEX
Treatment System Operational (Community Road)
Dissolved Oxygen

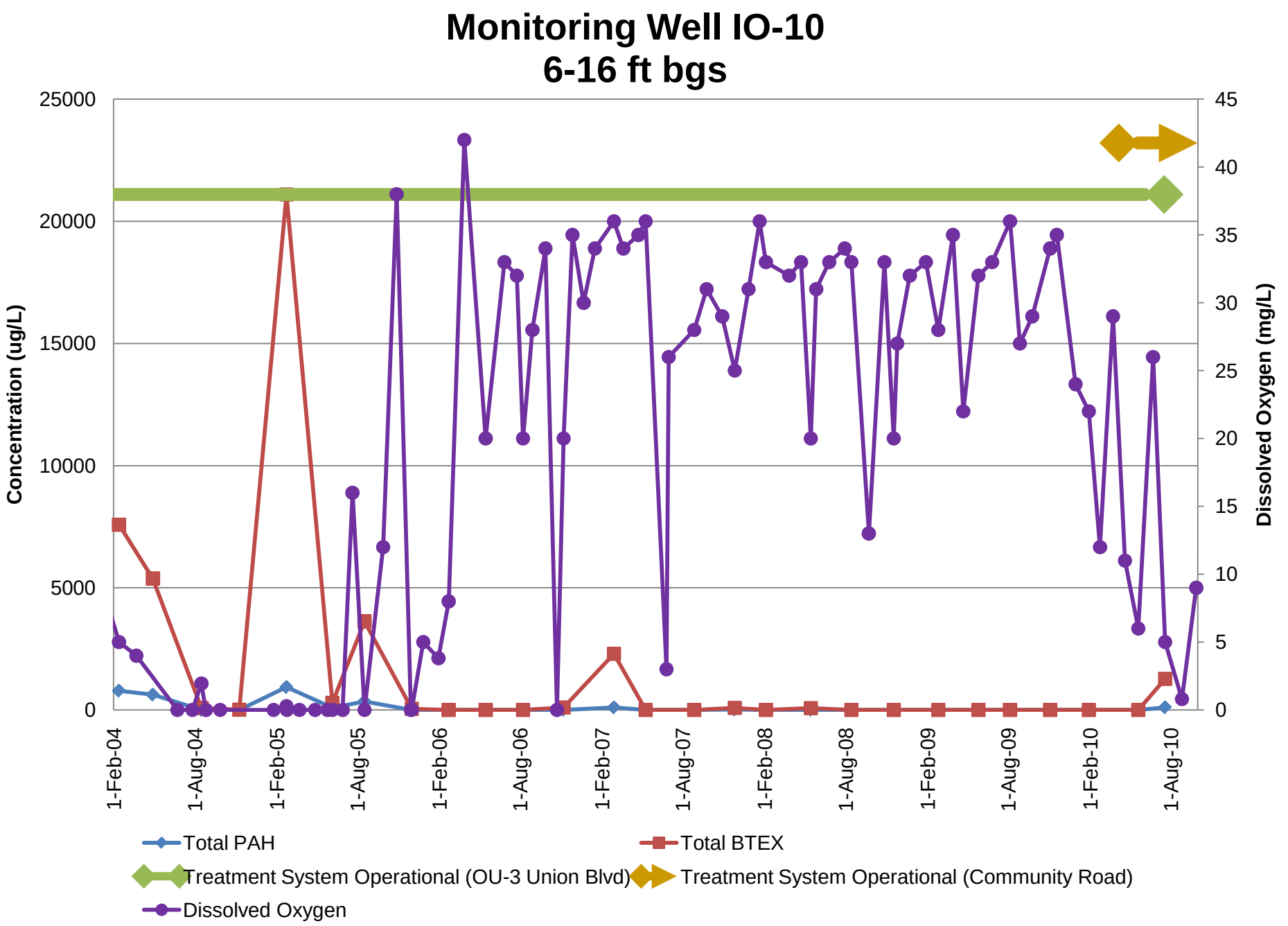

Monitoring Well BBMW-33
7-12 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
1.2
1
0.8
0.6
0.4
0.2
0
1.4
1.2
1
0.8
0.6
0.4
0.2
0
1-Mar-06
1-Jul-06
1-Nov-06
1-Mar-07
1-Jul-07
1-Nov-07
1-Mar-08
1-Jul-08
1-Nov-08
1-Mar-09
1-Jul-09
1-Nov-09
1-Mar-10
1-Jul-10
Total PAH
Total BTEX
Treatment System Operational (OU-3 Brightwaters)
Treatment System Operational (Community Road)
Dissolved Oxygen

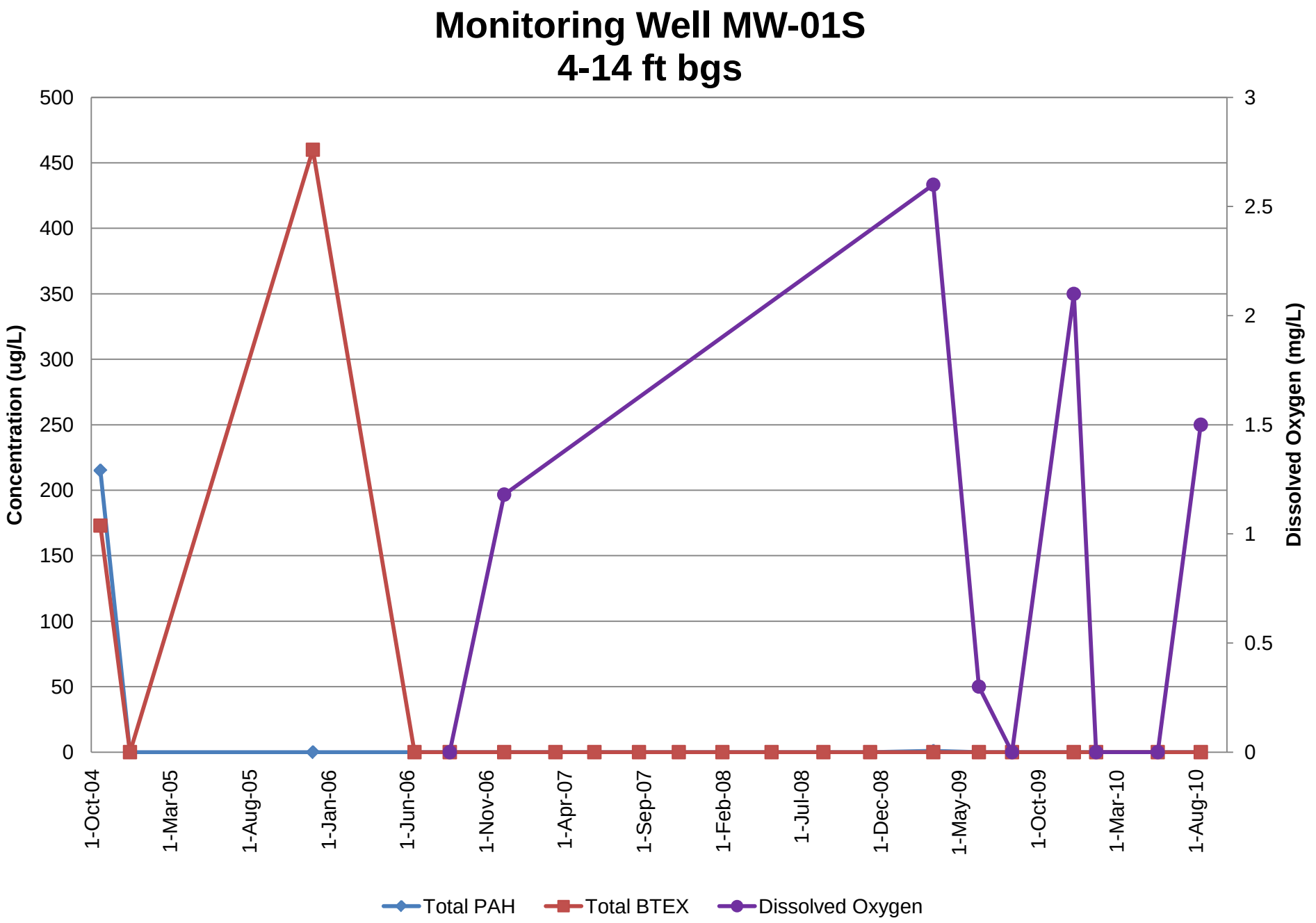

Monitoring Well BW-UST-10
5-10 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
80
70
60
50
40
30
20
10
0
2.5
2
1.5
1
0.5
0
1-Dec-06
1-Mar-07
1-Jun-07
1-Sep-07
1-Dec-07
1-Mar-08
1-Jun-08
1-Sep-08
1-Dec-08
1-Mar-09
1-Jun-09
1-Sep-09
1-Dec-09
1-Mar-10
1-Jun-10
1-Sep-10
Total PAH
Total BTEX
Dissolved Oxygen

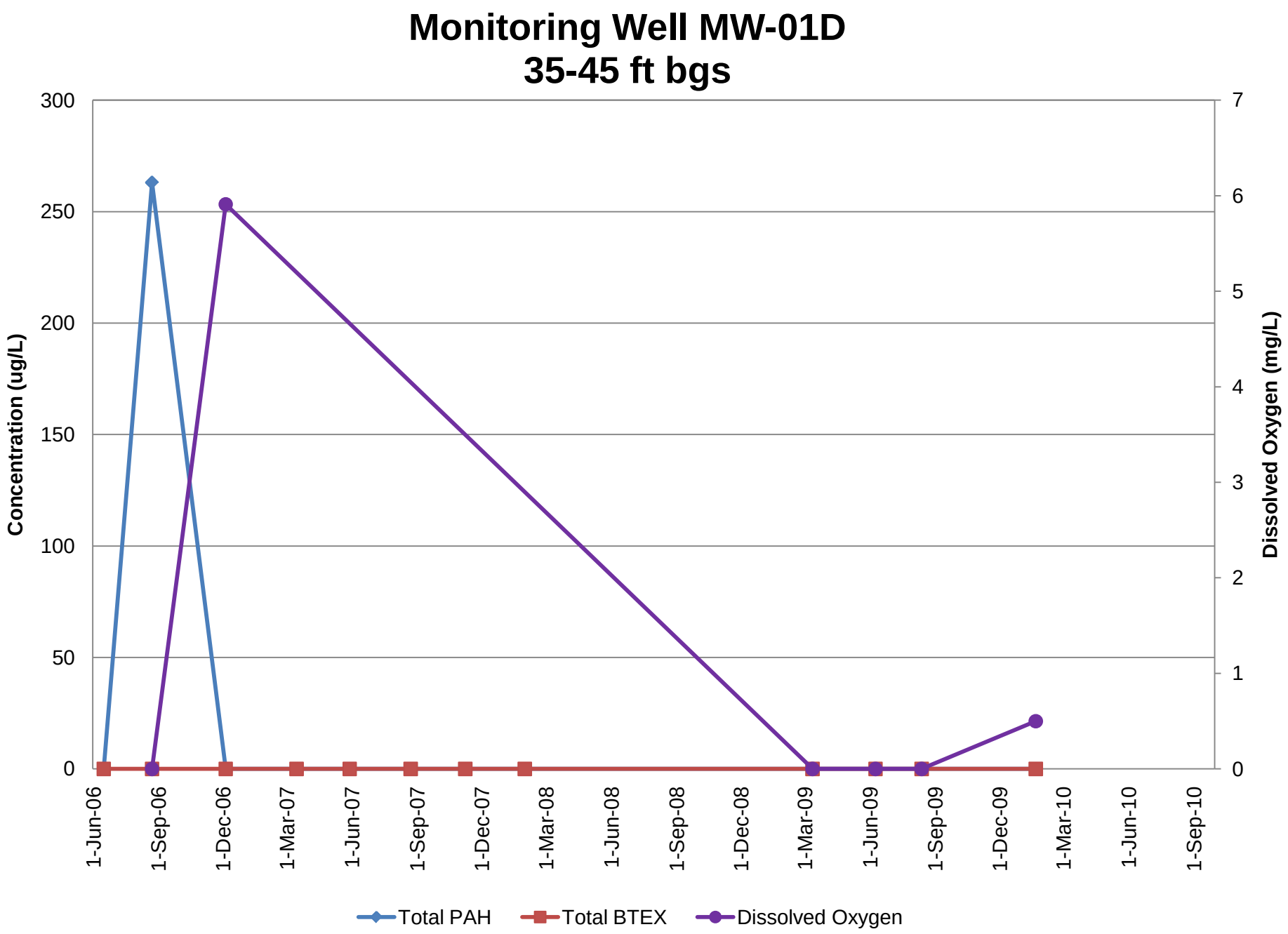

Monitoring Well BW-UST-11
5-10 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
80
70
60
50
40
30
20
10
0
2.5
2
1.5
1
0.5
0
1-Dec-06
1-Mar-07
1-Jun-07
1-Sep-07
1-Dec-07
1-Mar-08
1-Jun-08
1-Sep-08
1-Dec-08
1-Mar-09
1-Jun-09
1-Sep-09
1-Dec-09
1-Mar-10
1-Jun-10
1-Sep-10
Total PAH
Total BTEX
Dissolved Oxygen

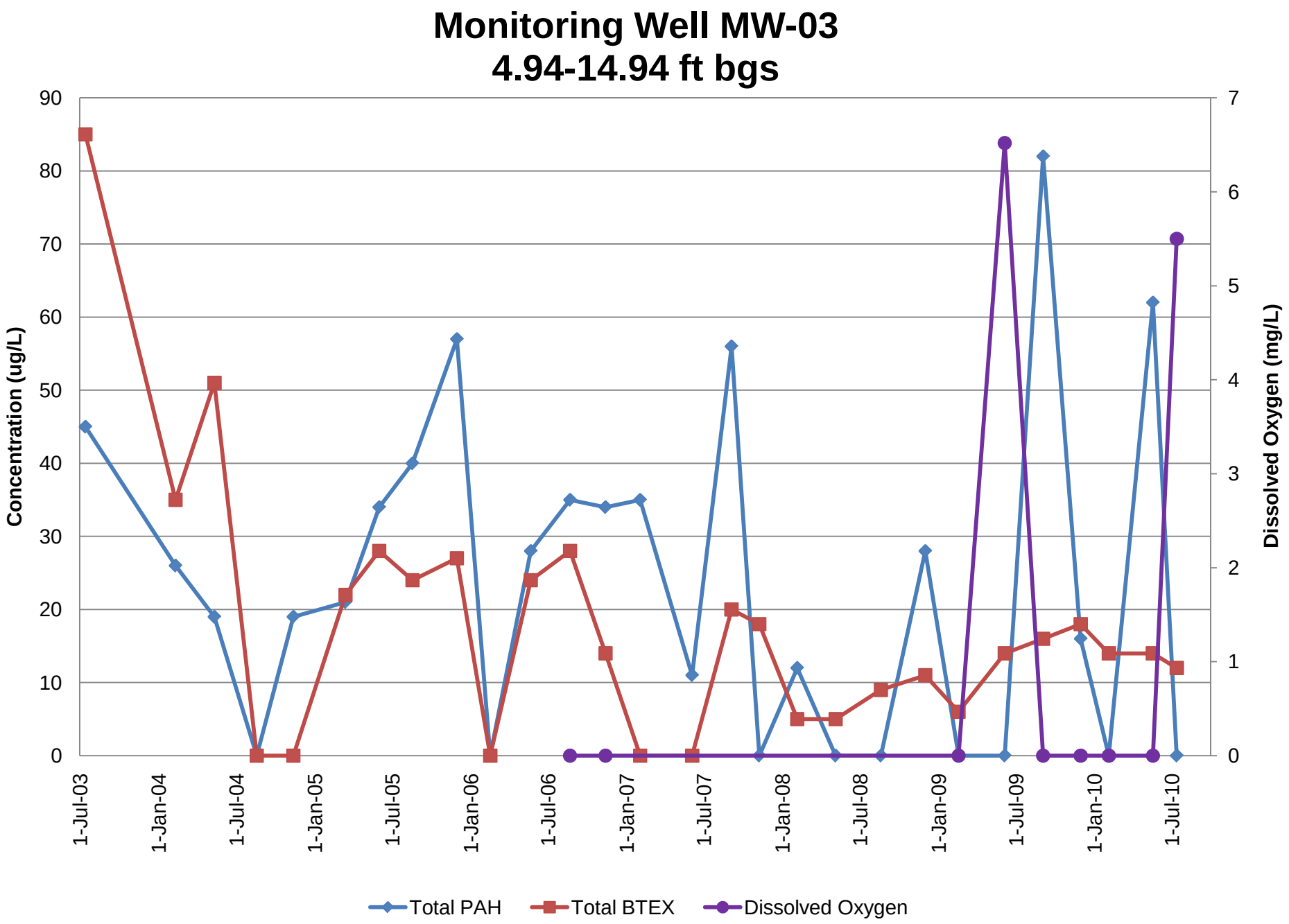

Monitoring Well BW-UST-28
5-10 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
3.5
3
2.5
2
1.5
1
0.5
0
1-Jun-07
1-Sep-07
1-Dec-07
1-Mar-08
1-Jun-08
1-Sep-08
1-Dec-08
1-Mar-09
1-Jun-09
1-Sep-09
1-Dec-09
1-Mar-10
1-Jun-10
1-Sep-10
Total PAH
Total BTEX
Dissolved Oxygen


Monitoring Well BW-UST-29
5-10 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
3.5
3
2.5
2
1.5
1
0.5
0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
1-Jun-07
1-Sep-07
1-Dec-07
1-Mar-08
1-Jun-08
1-Sep-08
1-Dec-08
1-Mar-09
1-Jun-09
1-Sep-09
1-Dec-09
1-Mar-10
1-Jun-10
1-Sep-10
Total PAH
Total BTEX
Dissolved Oxygen

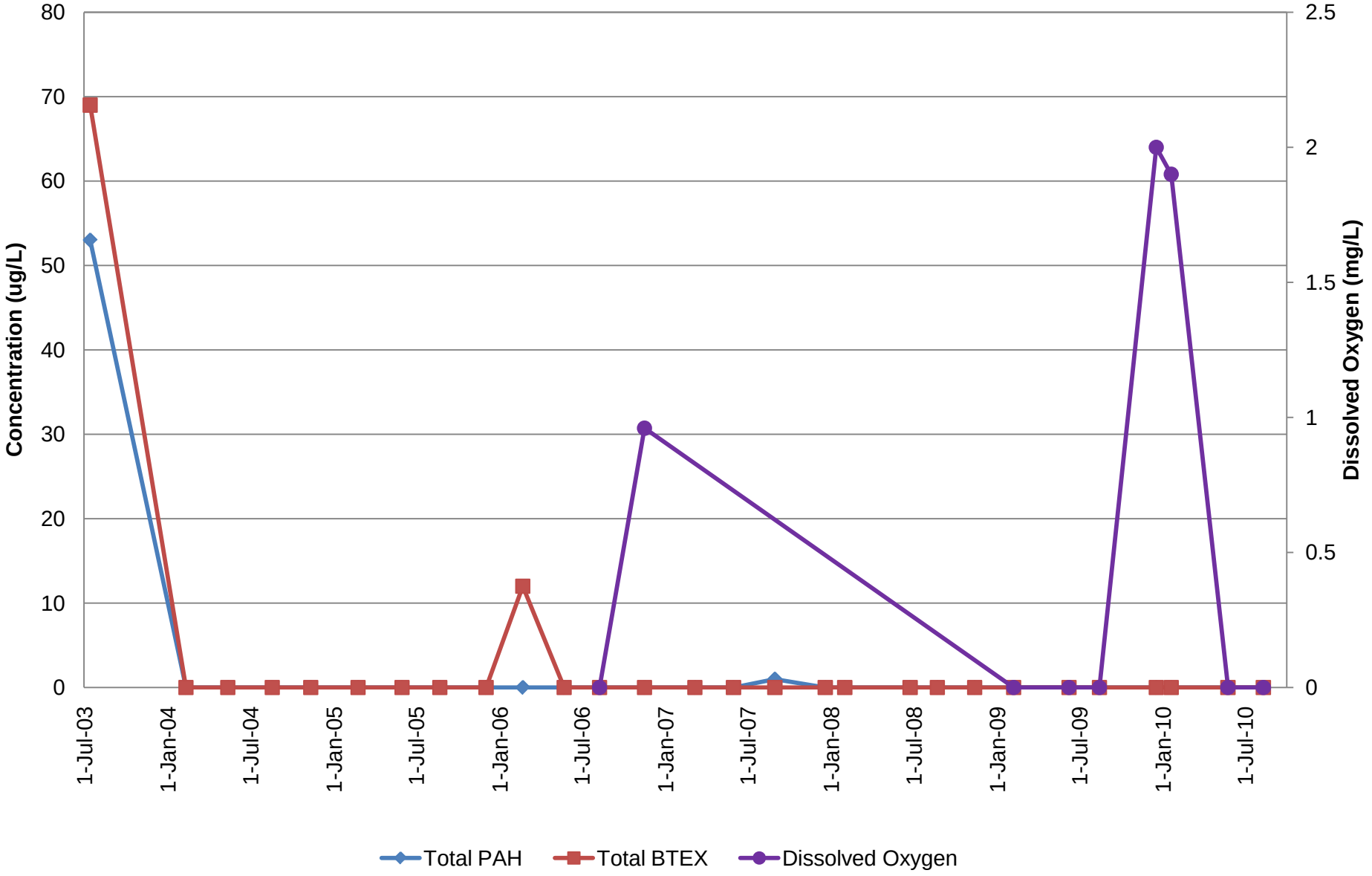

Monitoring Well IO-10
6-16 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
25000
20000
15000
10000
5000
0
45
40
35
30
25
20
15
10
5
0
1-Feb-04
1-Aug-04
1-Feb-05
1-Aug-05
1-Feb-06
1-Aug-06
1-Feb-07
1-Aug-07
1-Feb-08
1-Aug-08
1-Feb-09
1-Aug-09
1-Feb-10
1-Aug-10
Total PAH
Total BTEX
Treatment System Operational (OU-3 Union Blvd)
Treatment System Operational (Community Road)
Dissolved Oxygen

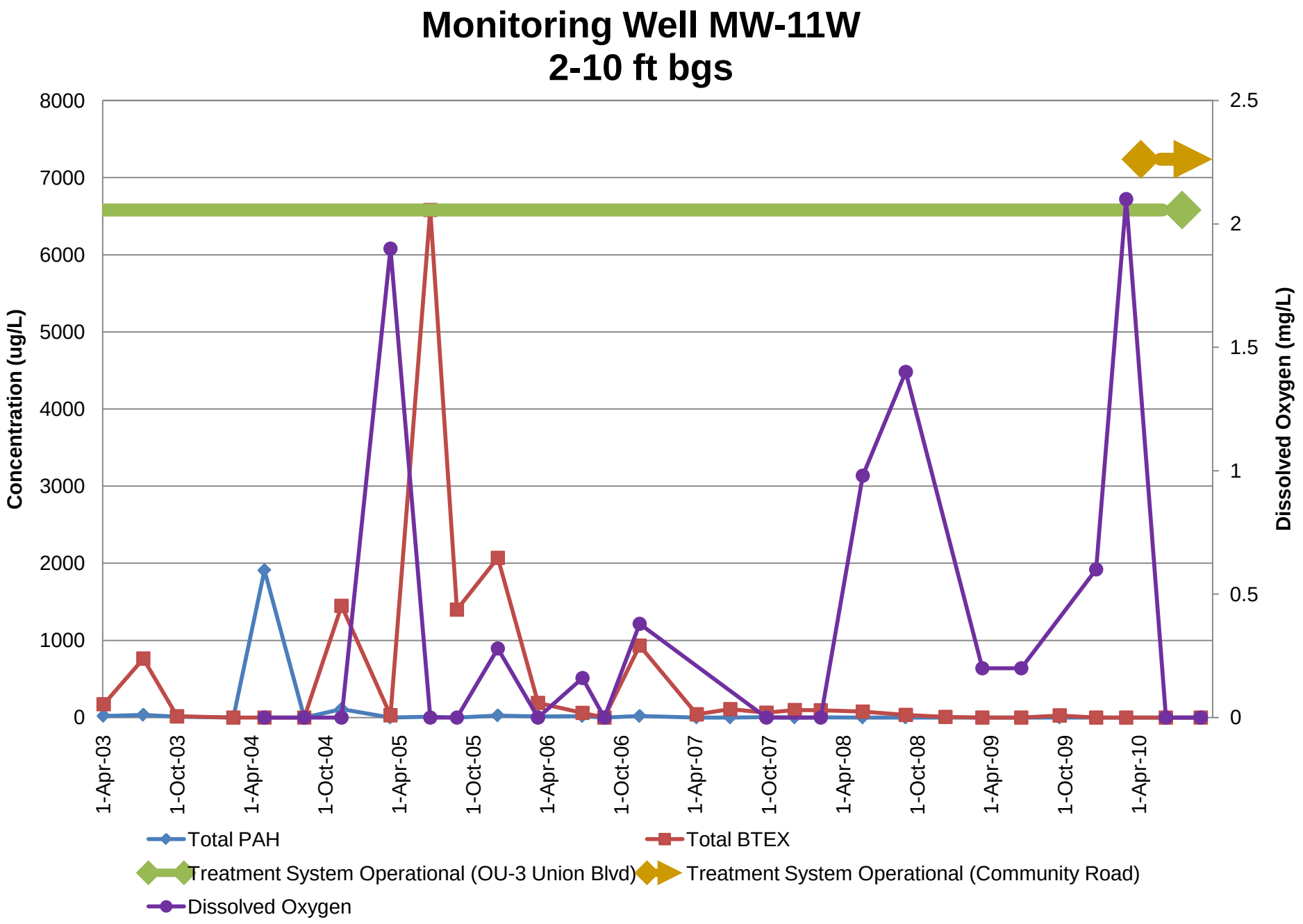

Monitoring Well MW-01S
4-14 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
500
450
400
350
300
250
200
150
100
50
0
3
2.5
2
1.5
1
0.5
0
1-Oct-04
1-Mar-05
1-Aug-05
1-Jan-06
1-Jun-06
1-Nov-06
1-Apr-07
1-Sep-07
1-Feb-08
1-Jul-08
1-Dec-08
1-May-09
1-Oct-09
1-Mar-10
1-Aug-10
Total PAH
Total BTEX
Dissolved Oxygen

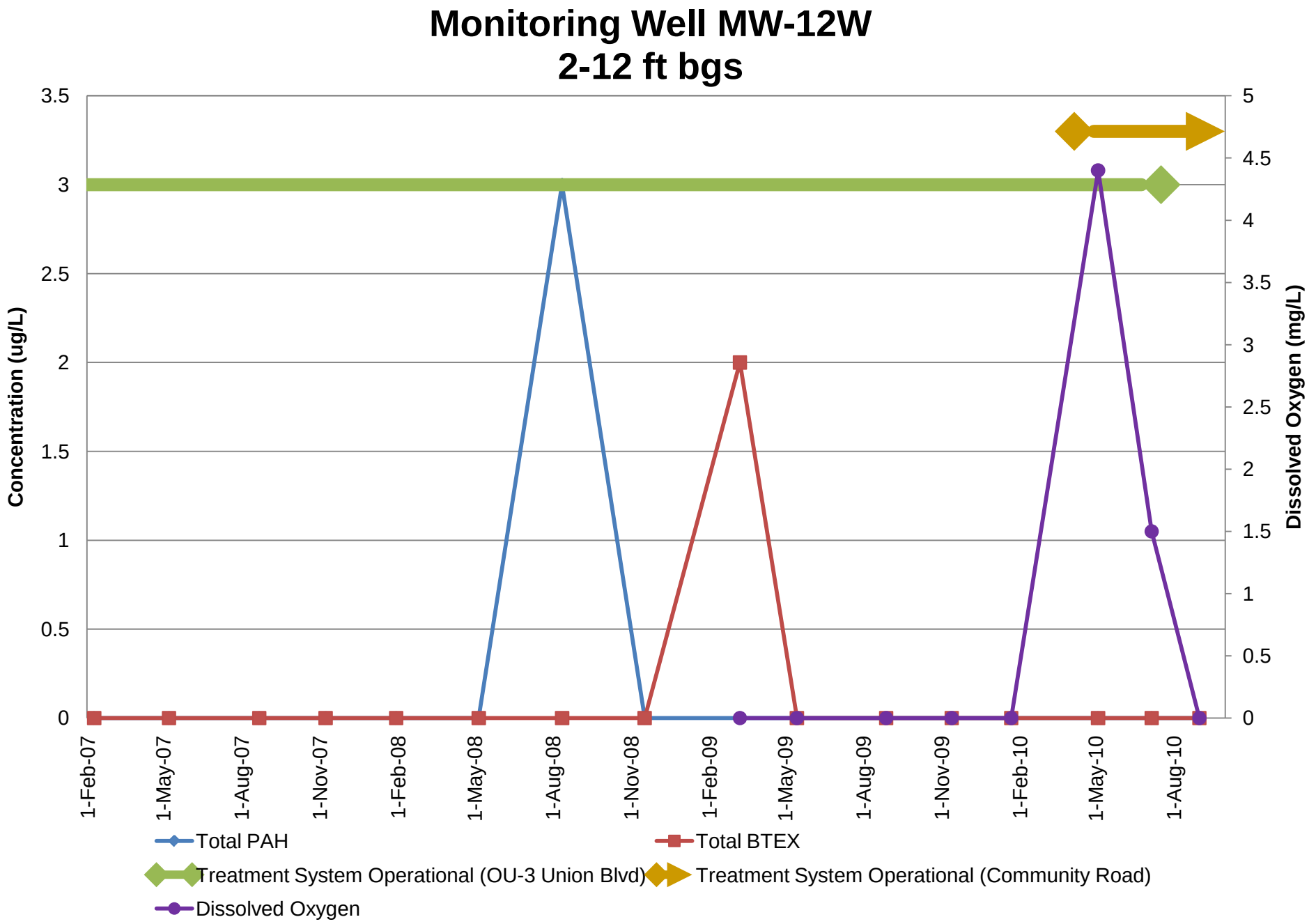

Monitoring Well MW-01D
35-45 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
300
250
200
150
100
50
0
7
6
5
4
3
2
1
0
1-Jun-06
1-Sep-06
1-Dec-06
1-Mar-07
1-Jun-07
1-Sep-07
1-Dec-07
1-Mar-08
1-Jun-08
1-Sep-08
1-Dec-08
1-Mar-09
1-Jun-09
1-Sep-09
1-Dec-09
1-Mar-10
1-Jun-10
1-Sep-10
Total PAH
Total BTEX
Dissolved Oxygen


Monitoring Well MW-03
4.94-14.94 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
0
10
20
30
40
50
60
70
80
90
0
1
2
3
4
5
6
7
1-Jul-03
1-Jan-04
1-Jul-04
1-Jan-05
1-Jul-05
1-Jan-06
1-Jul-06
1-Jan-07
1-Jul-07
1-Jan-08
1-Jul-08
1-Jan-09
1-Jul-09
1-Jan-10
1-Jul-10
Total PAH
Total BTEX
Dissolved Oxygen

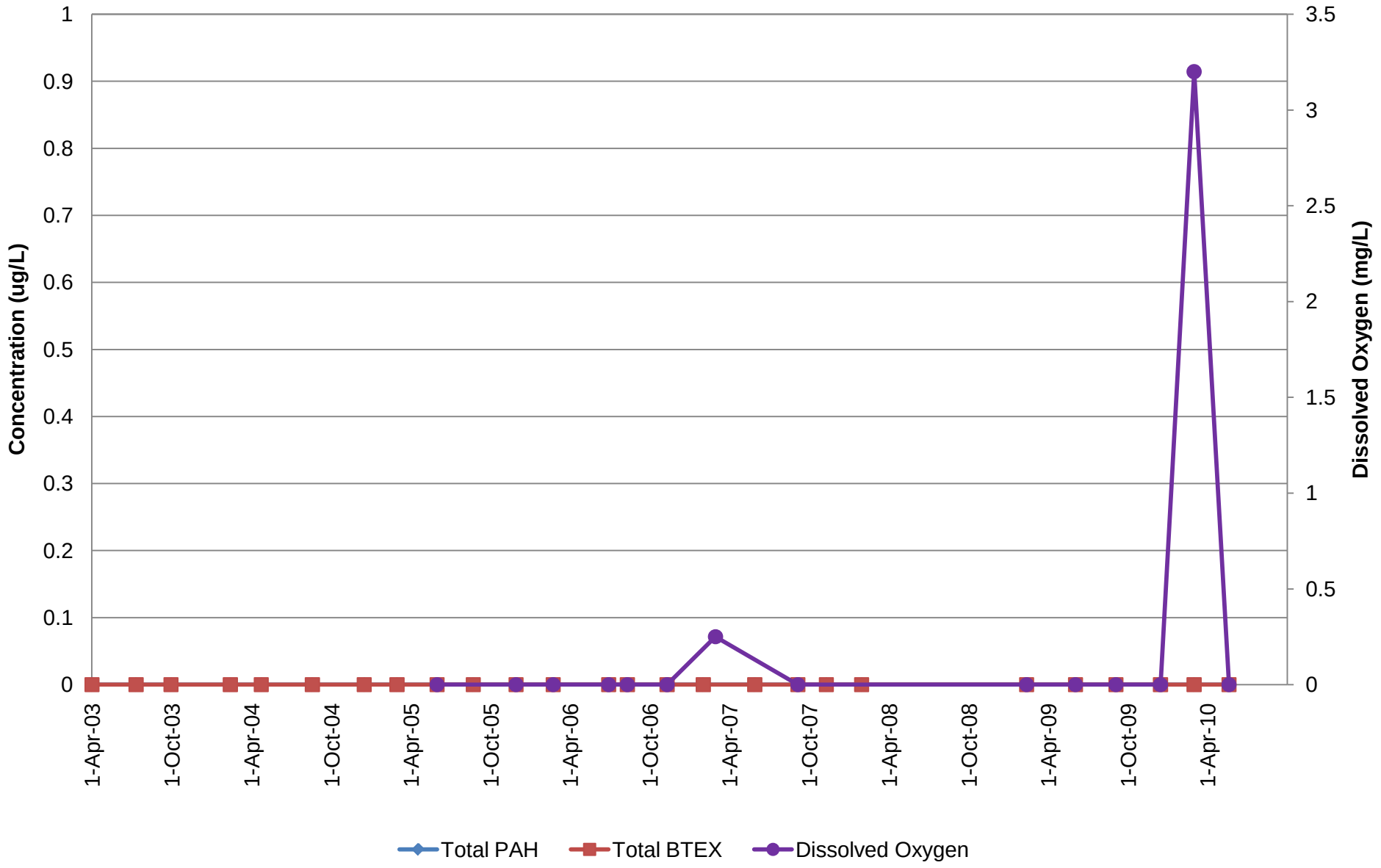
Monitoring Well MW-04
5.1-15.1ft bgs



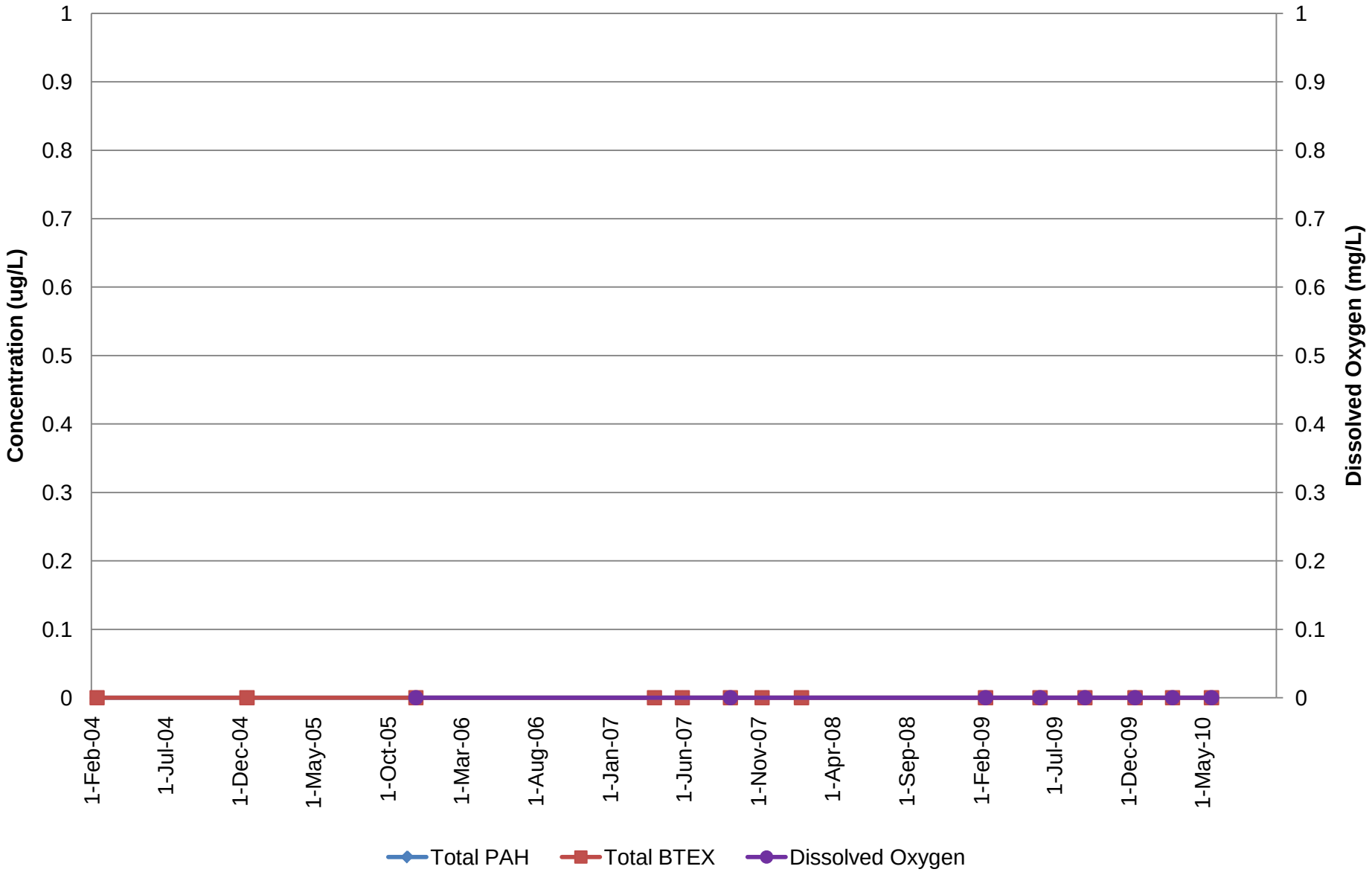

Monitoring Well MW-11W
2-10 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
8000
7000
6000
5000
4000
3000
2000
1000
0
2.5
2
1.5
1
0.5
0
1-Apr-03
1-Oct-03
1-Apr-04
1-Oct-04
1-Apr-05
1-Oct-05
1-Apr-06
1-Oct-06
1-Apr-07
1-Oct-07
1-Apr-08
1-Oct-08
1-Apr-09
1-Oct-09
1-Apr-10
Total PAH
Total BTEX
Treatment System Operational (OU-3 Union Blvd)
Treatment System Operational (Community Road)
Dissolved Oxygen


Monitoring Well MW-12W
2-12 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
3.5
3
2.5
2
1.5
1
0.5
0
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
1-Feb-07
1-May-07
1-Aug-07
1-Nov-07
1-Feb-08
1-May-08
1-Aug-08
1-Nov-08
1-Feb-09
1-May-09
1-Aug-09
1-Nov-09
1-Feb-10
1-May-10
1-Aug-10
Total PAH
Total BTEX
Treatment System Operational (OU-3 Union Blvd)
Treatment System Operational (Community Road)
Dissolved Oxygen

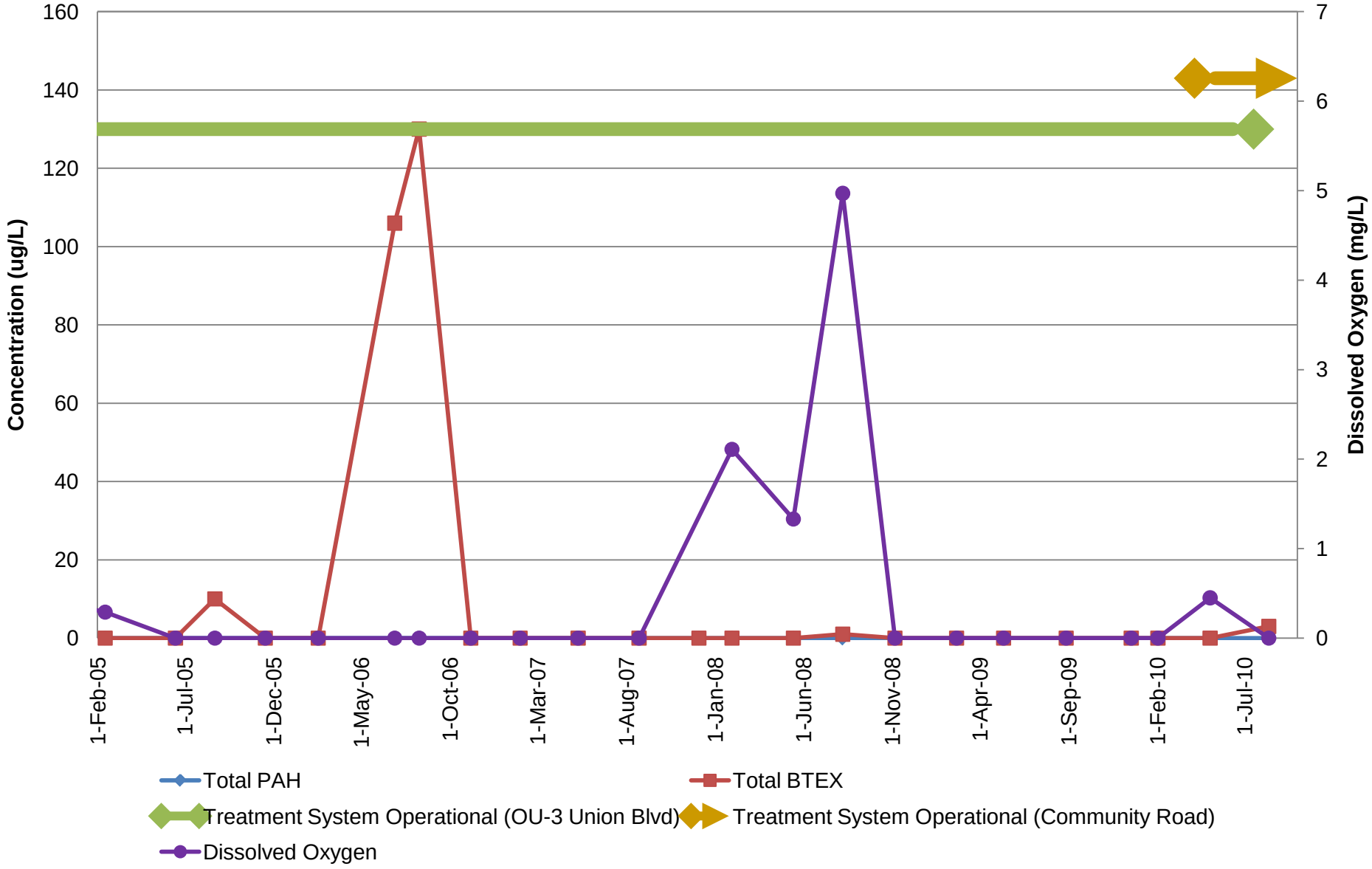
Monitoring Well MW-29S
2-10 ft bgs



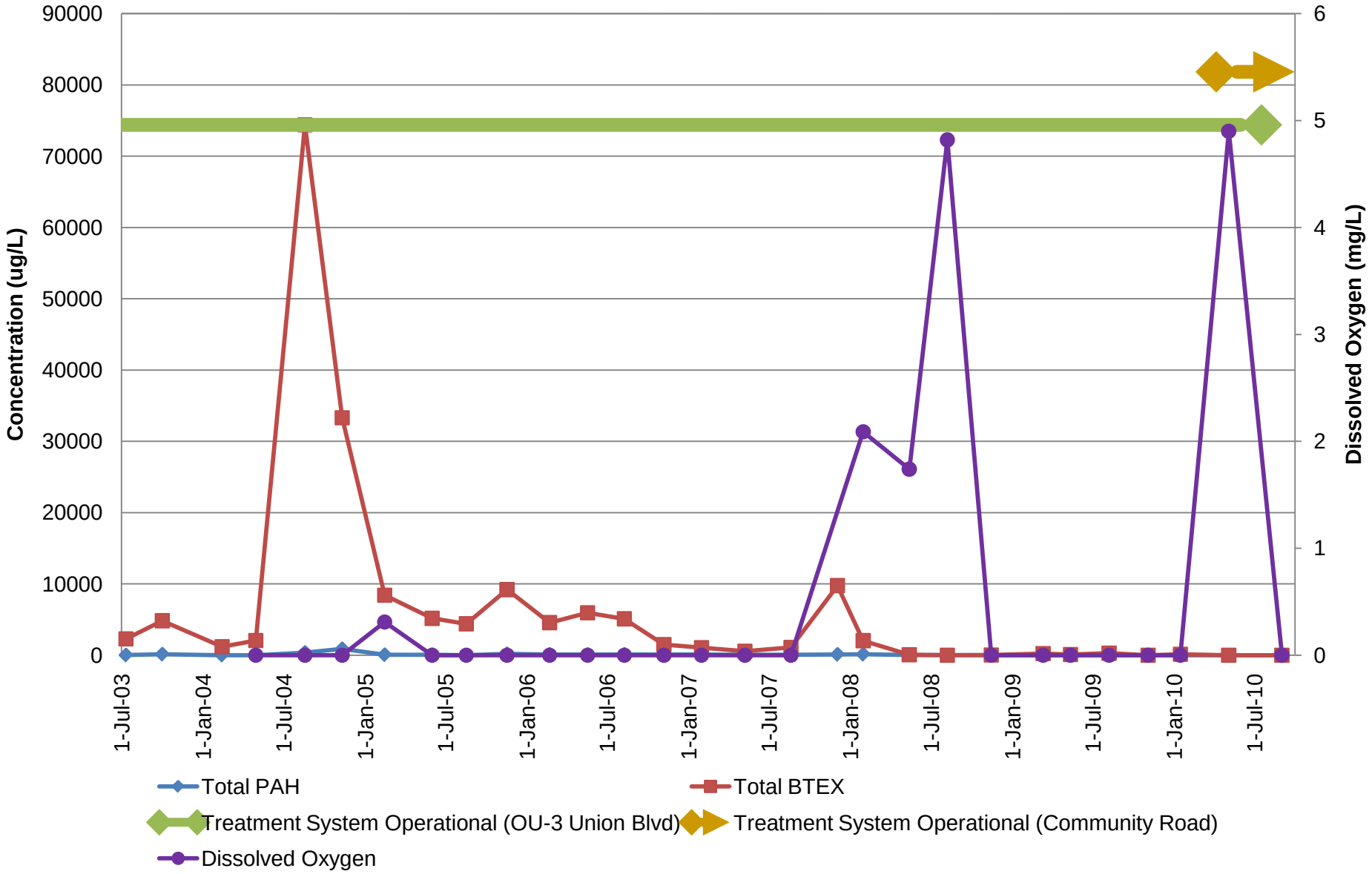
Monitoring Well MW-29D
14-19 ft bgs

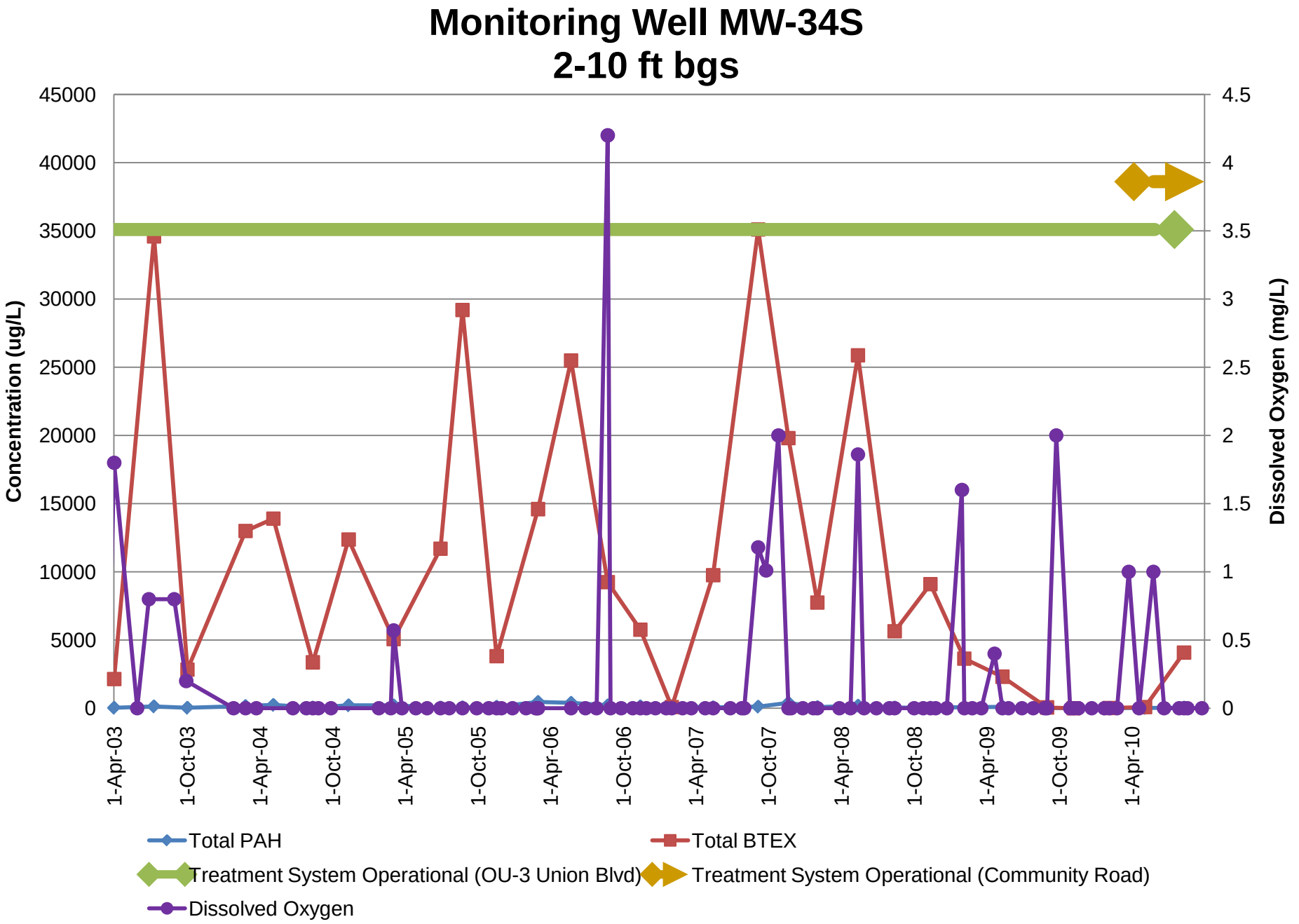


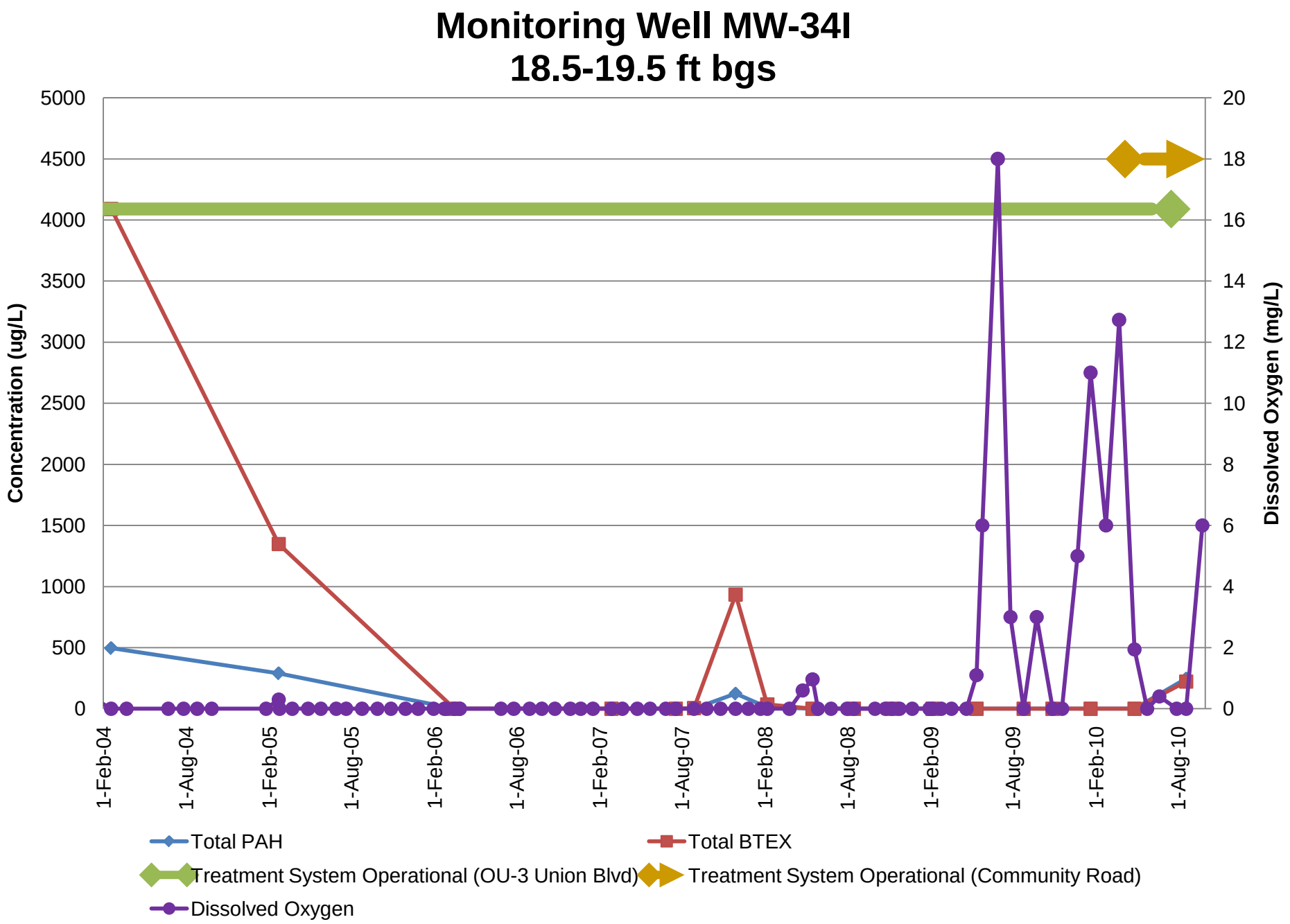
Monitoring Well MW-30WR
14-19 ft bgs

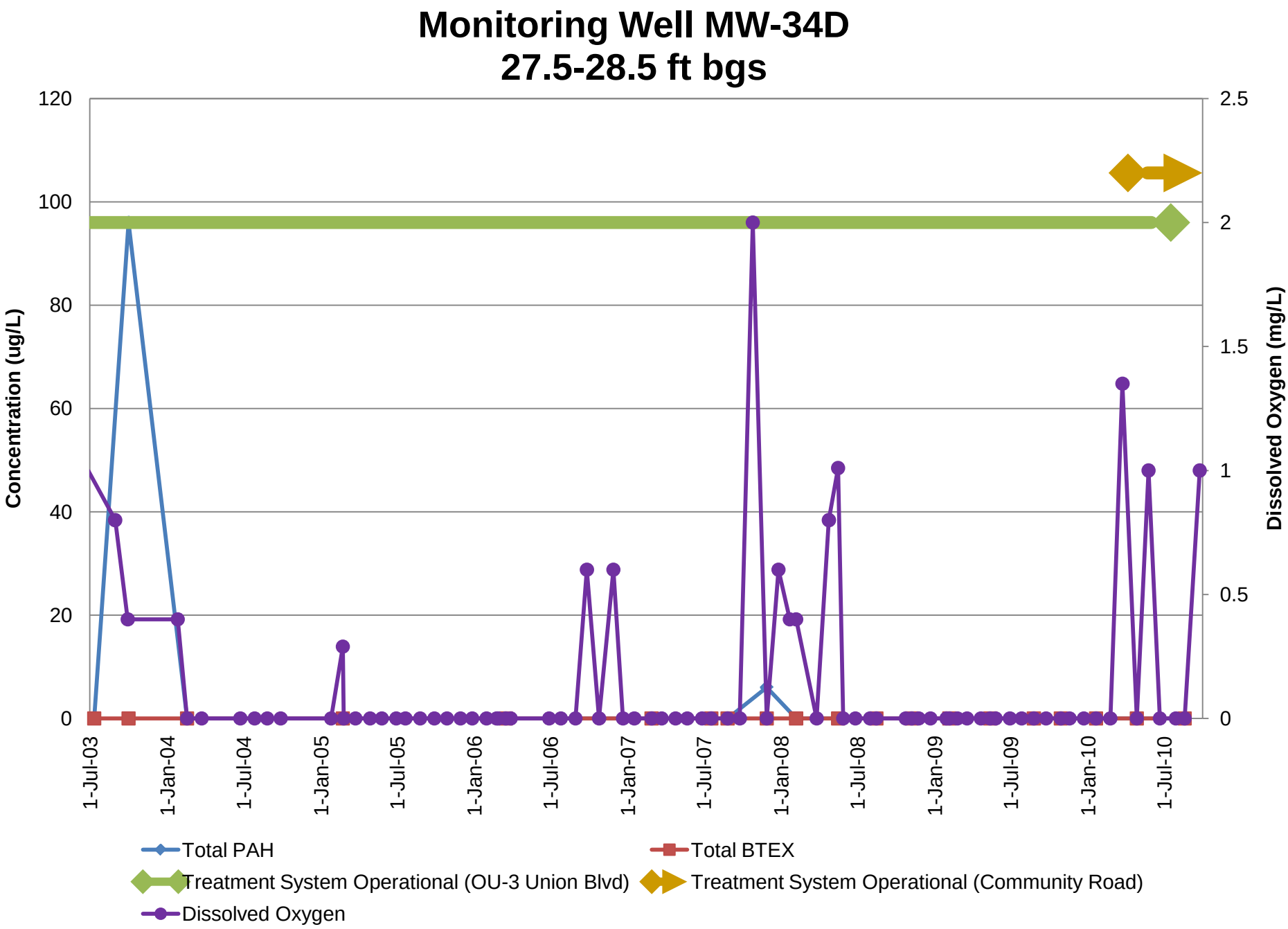


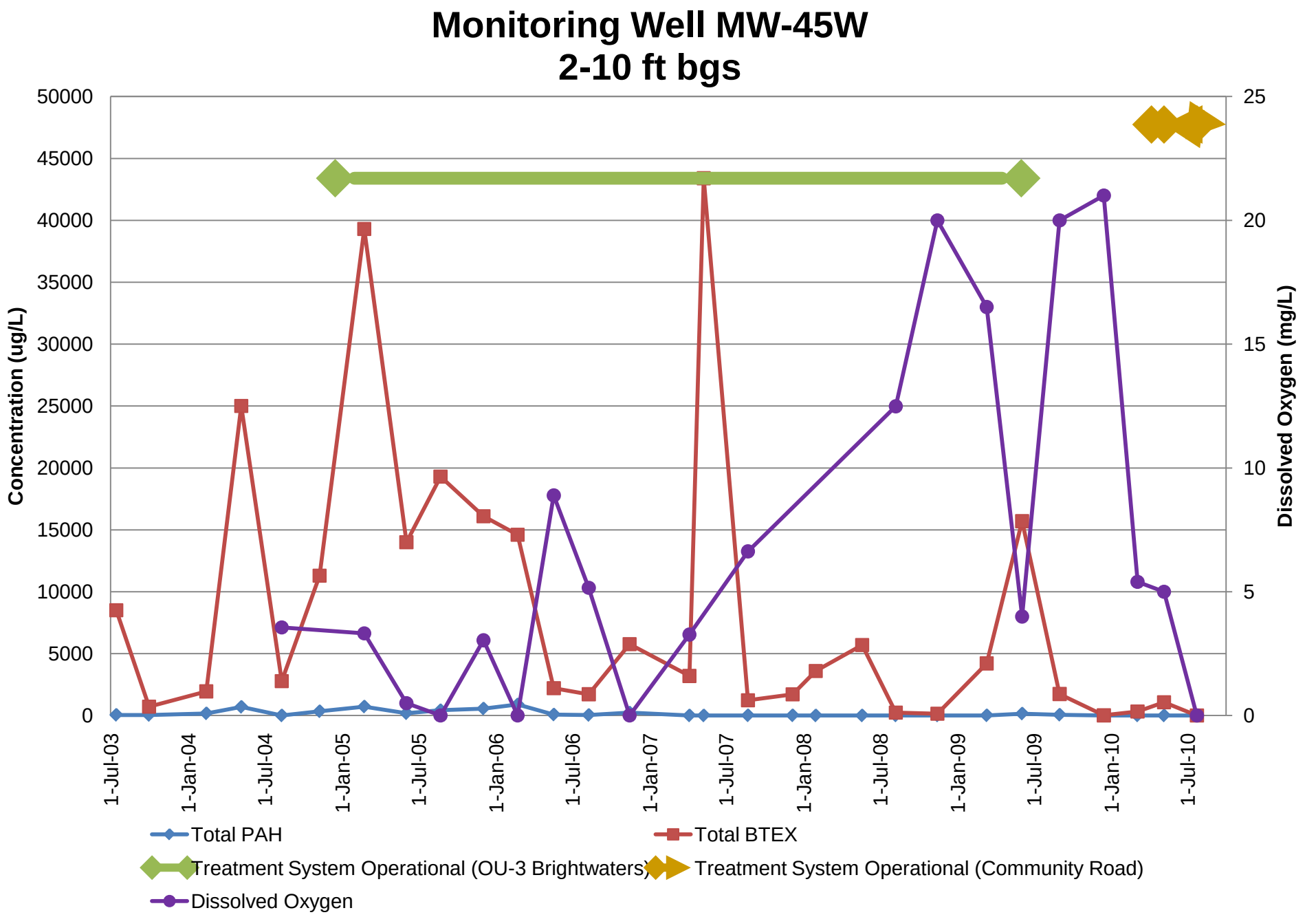
Monitoring Well MW-32WR
2-10 ft bgs

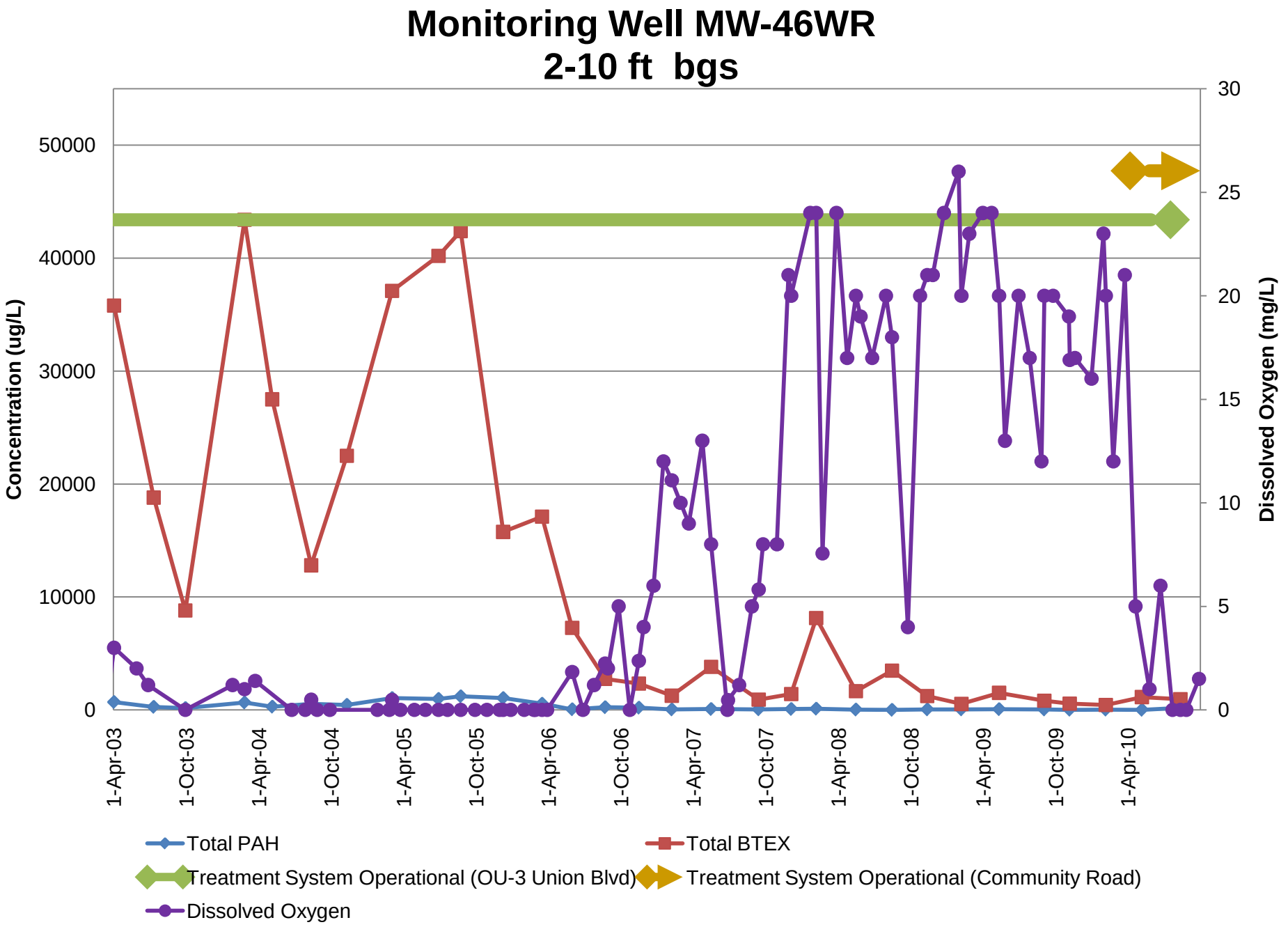


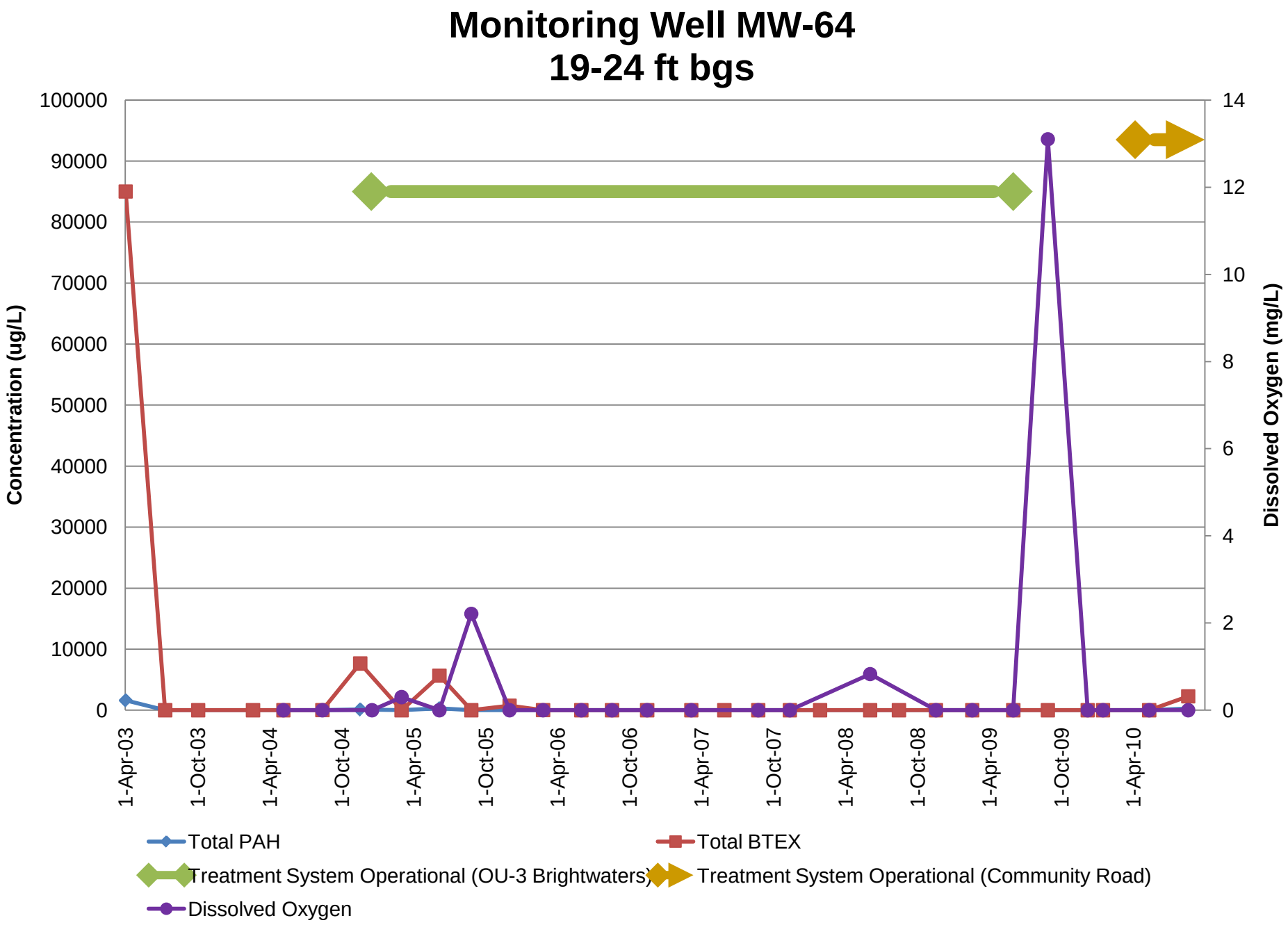

Monitoring Well MW-34S
2-10 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
45000
40000
35000
30000
25000
20000
15000
10000
5000
0
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
1-Apr-03
1-Oct-03
1-Apr-04
1-Oct-04
1-Apr-05
1-Oct-05
1-Apr-06
1-Oct-06
1-Apr-07
1-Oct-07
1-Apr-08
1-Oct-08
1-Apr-09
1-Oct-09
1-Apr-10
Total PAH
Total BTEX
Treatment System Operational (OU-3 Union Blvd)
Treatment System Operational (Community Road)
Dissolved Oxygen

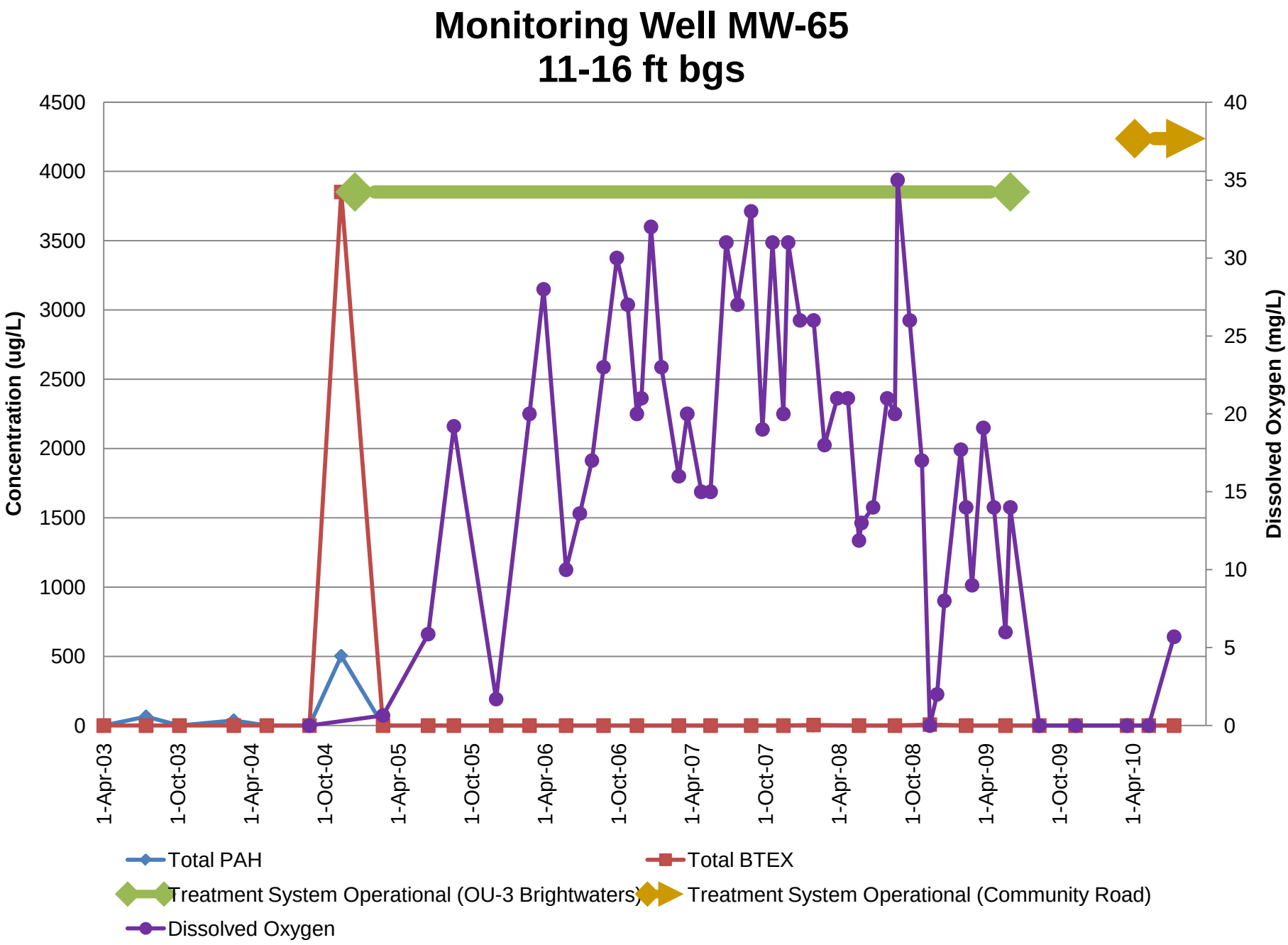

Monitoring Well MW-34I
18.5-19.5 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
5000
4500
4000
3500
3000
2500
2000
1500
1000
500
0
20
18
16
14
12
10
8
6
4
2
0
1-Feb-04
1-Aug-04
1-Feb-05
1-Aug-05
1-Feb-06
1-Aug-06
1-Feb-07
1-Aug-07
1-Feb-08
1-Aug-08
1-Feb-09
1-Aug-09
1-Feb-10
1-Aug-10
Total PAH
Total BTEX
Treatment System Operational (OU-3 Union Blvd)
Treatment System Operational (Community Road)
Dissolved Oxygen

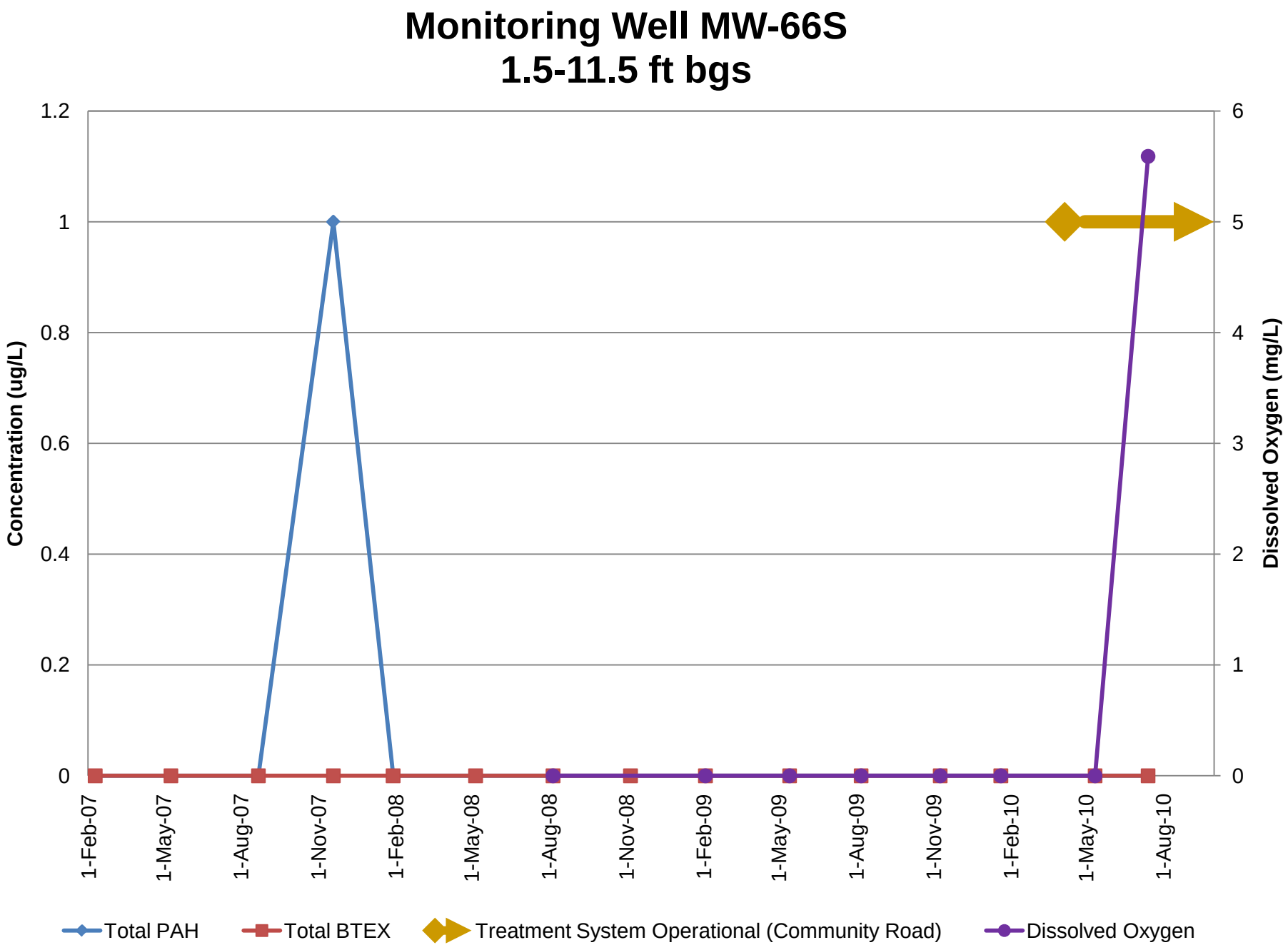

Monitoring Well MW-34D
27.5-28.5 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
120
100
80
60
40
20
0
2.5
2
1.5
1
0.5
0
1-Jul-03
1-Jan-04
1-Jul-04
1-Jan-05
1-Jul-05
1-Jan-06
1-Jul-06
1-Jan-07
1-Jul-07
1-Jan-08
1-Jul-08
1-Jan-09
1-Jul-09
1-Jan-10
1-Jul-10
Total PAH
Total BTEX
Treatment System Operational (OU-3 Union Blvd)
Treatment System Operational (Community Road)
Dissolved Oxygen


Monitoring Well MW-45W
2-10 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
50000
45000
40000
35000
30000
25000
20000
15000
10000
5000
0
25
20
15
10
5
0
1-Jul-03
1-Jan-04
1-Jul-04
1-Jan-05
1-Jul-05
1-Jan-06
1-Jul-06
1-Jan-07
1-Jul-07
1-Jan-08
1-Jul-08
1-Jan-09
1-Jul-09
1-Jan-10
1-Jul-10
Total PAH
Total BTEX
Treatment System Operational (OU-3 Brightwaters)
Treatment System Operational (Community Road)
Dissolved Oxygen

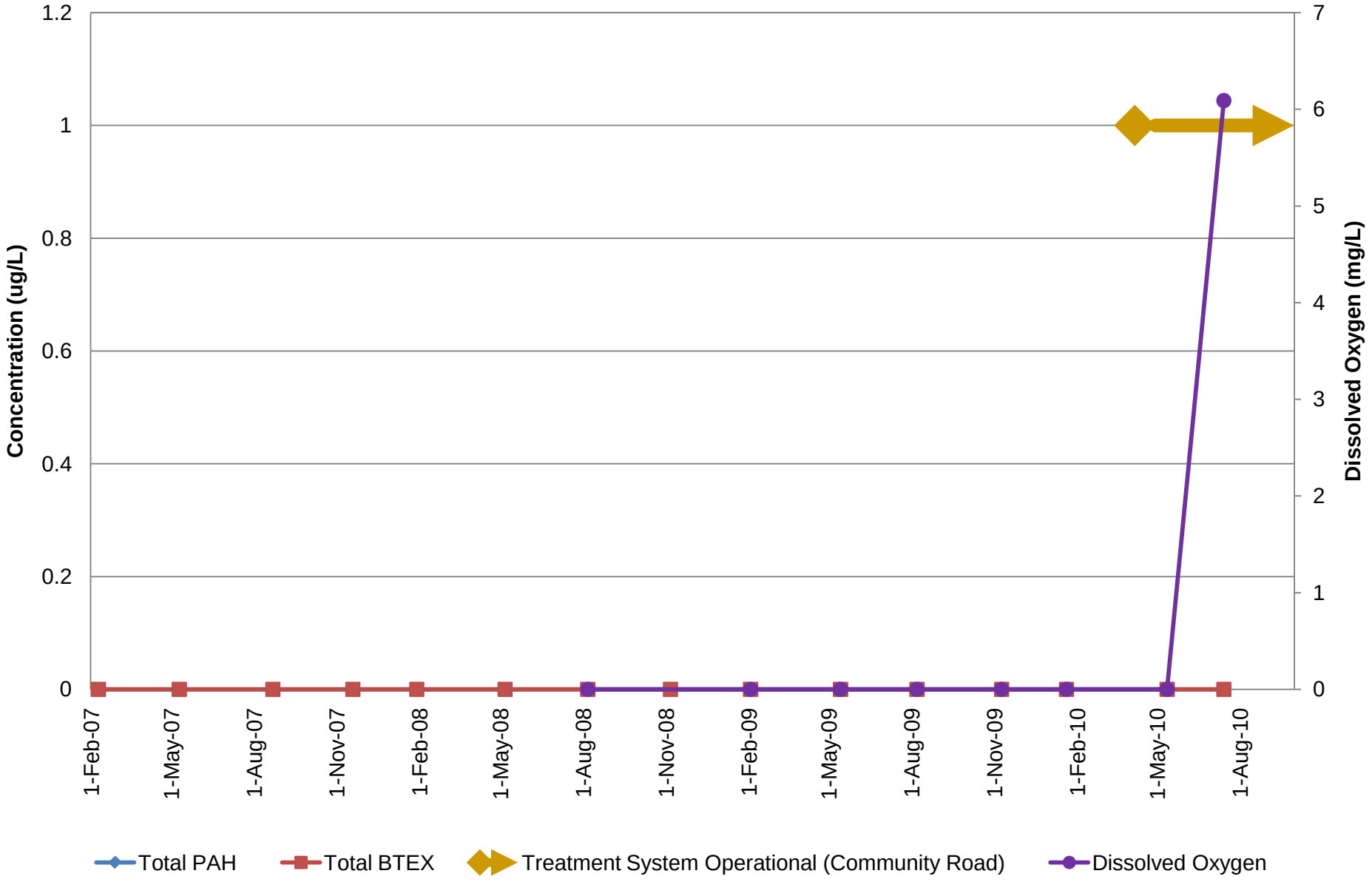

Monitoring Well MW-46WR
2-10 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
50000
40000
30000
20000
10000
0
30
25
20
15
10
5
0
1-Apr-03
1-Oct-03
1-Apr-04
1-Oct-04
1-Apr-05
1-Oct-05
1-Apr-06
1-Oct-06
1-Apr-07
1-Oct-07
1-Apr-08
1-Oct-08
1-Apr-09
1-Oct-09
1-Apr-10
Total PAH
Total BTEX
Treatment System Operational (OU-3 Union Blvd)
Treatment System Operational (Community Road)
Dissolved Oxygen

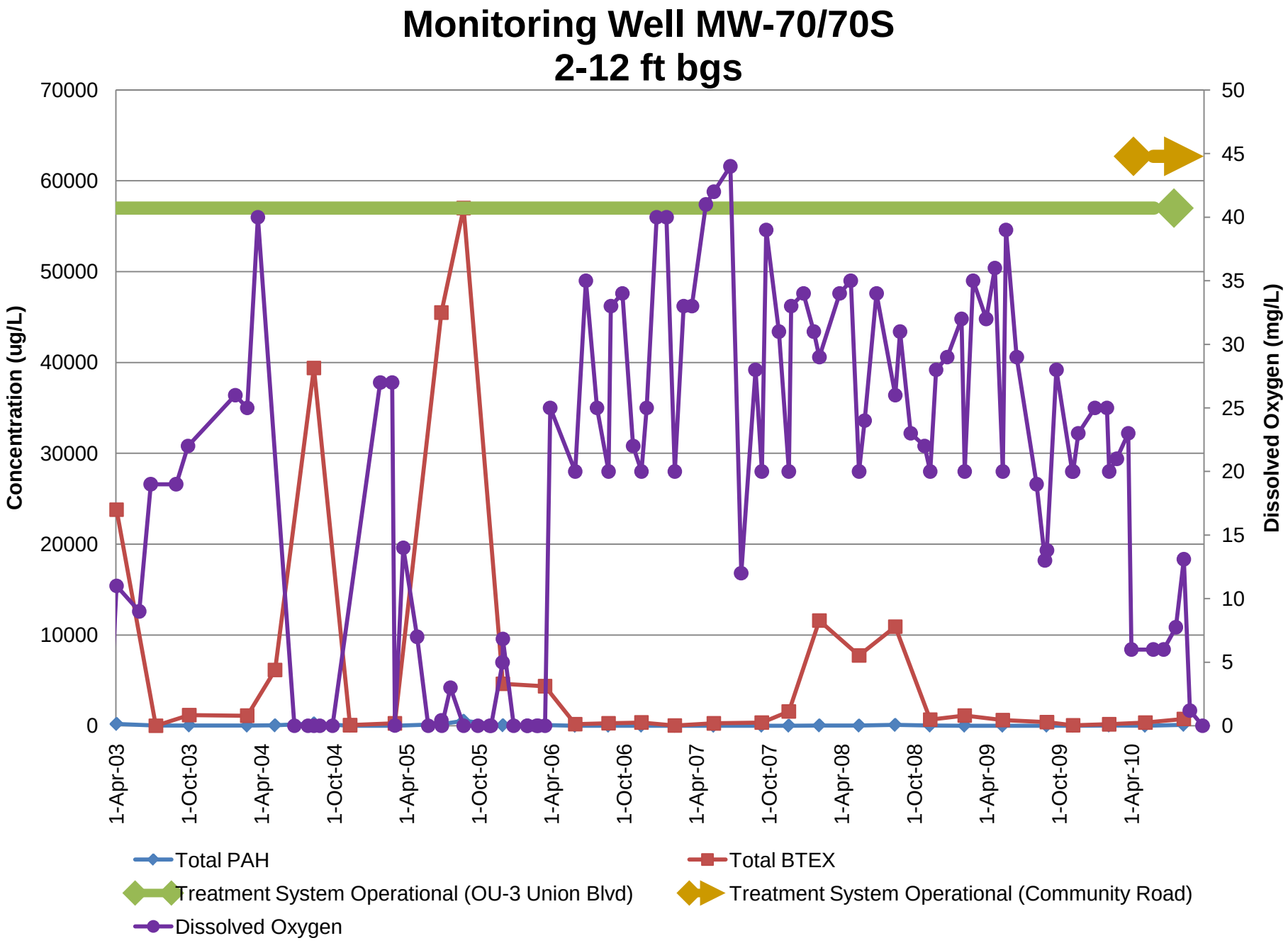

Monitoring Well MW-64
19-24 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
100000
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
14
12
10
8
6
4
2
0
1-Apr-03
1-Oct-03
1-Apr-04
1-Oct-04
1-Apr-05
1-Oct-05
1-Apr-06
1-Oct-06
1-Apr-07
1-Oct-07
1-Apr-08
1-Oct-08
1-Apr-09
1-Oct-09
1-Apr-10
Total PAH
Total BTEX
Treatment System Operational (OU-3 Brightwaters)
Treatment System Operational (Community Road)
Dissolved Oxygen

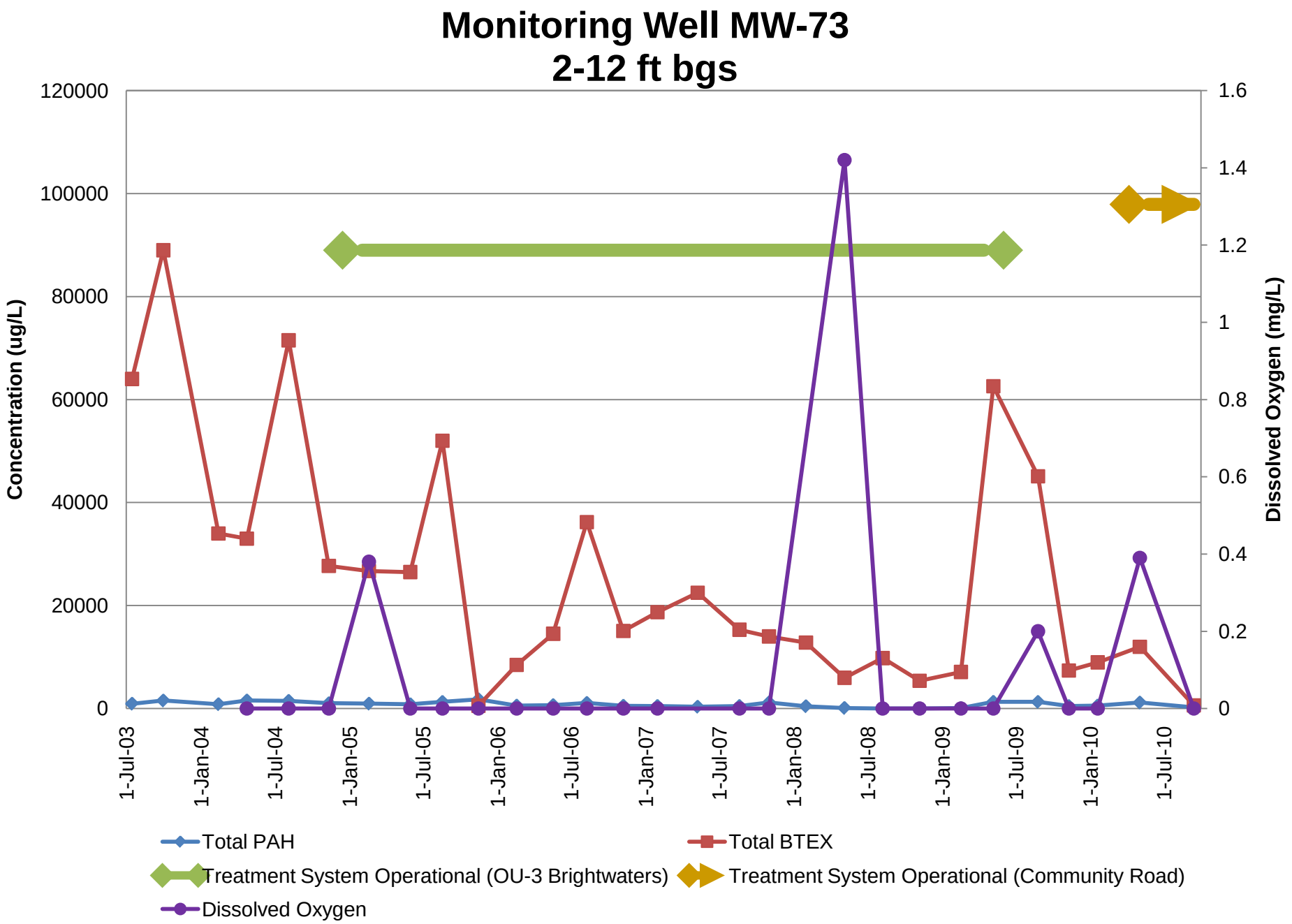

Monitoring Well MW-65
11-16 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
4500
4000
3500
3000
2500
2000
1500
1000
500
0
40
35
30
25
20
15
10
5
0
1-Apr-03
1-Oct-03
1-Apr-04
1-Oct-04
1-Apr-05
1-Oct-05
1-Apr-06
1-Oct-06
1-Apr-07
1-Oct-07
1-Apr-08
1-Oct-08
1-Apr-09
1-Oct-09
1-Apr-10
Total PAH
Total BTEX
Treatment System Operational (OU-3 Brightwaters)
Treatment System Operational (Community Road)
Dissolved Oxygen

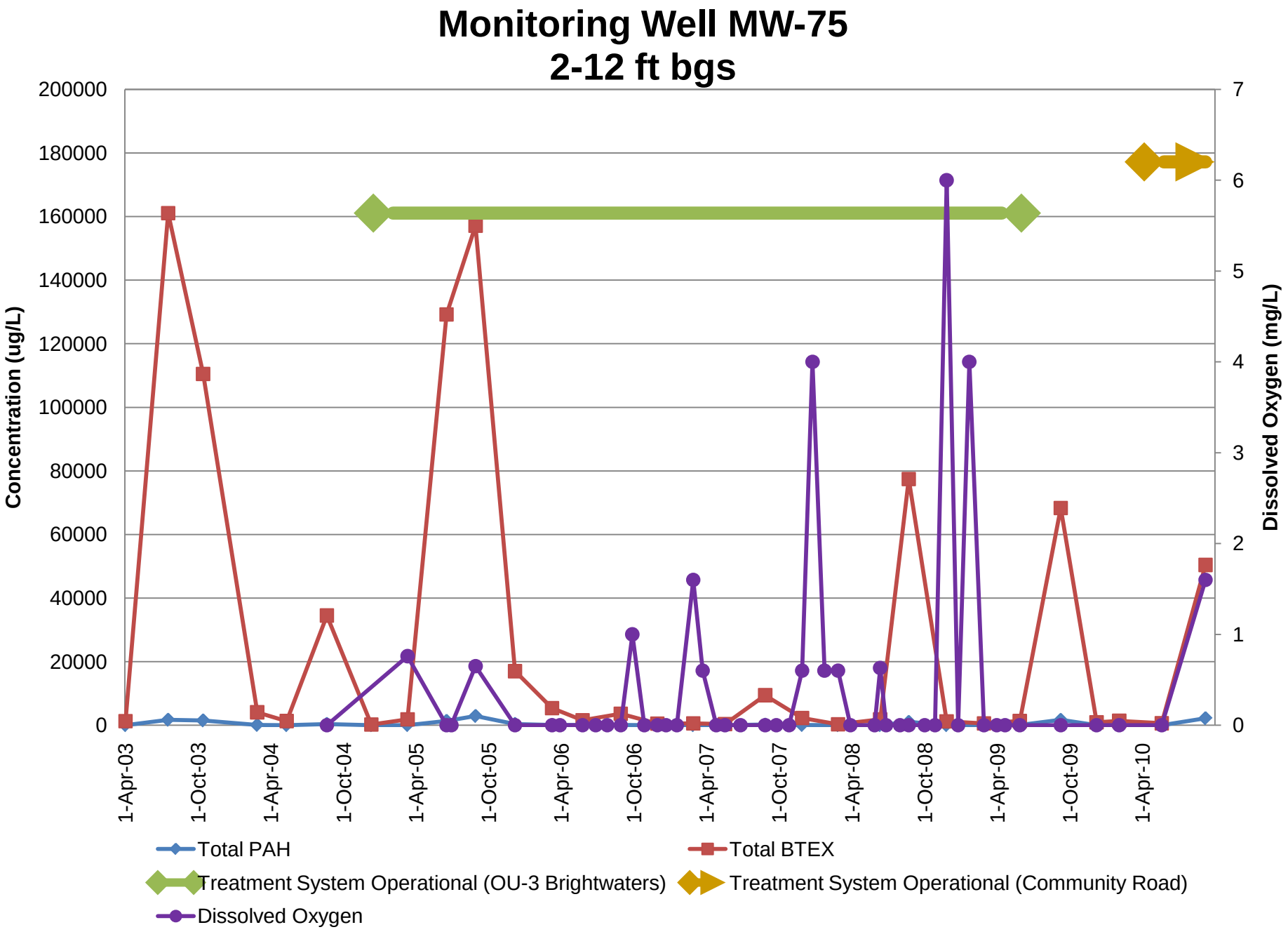

Monitoring Well MW-66S
1.5-11.5 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
1.2
1
0.8
0.6
0.4
0.2
0
6
5
4
3
2
1
0
1-Feb-07
1-May-07
1-Aug-07
1-Nov-07
1-Feb-08
1-May-08
1-Aug-08
1-Nov-08
1-Feb-09
1-May-09
1-Aug-09
1-Nov-09
1-Feb-10
1-May-10
1-Aug-10
Total PAH
Total BTEX
Treatment System Operational (Community Road)
Dissolved Oxygen

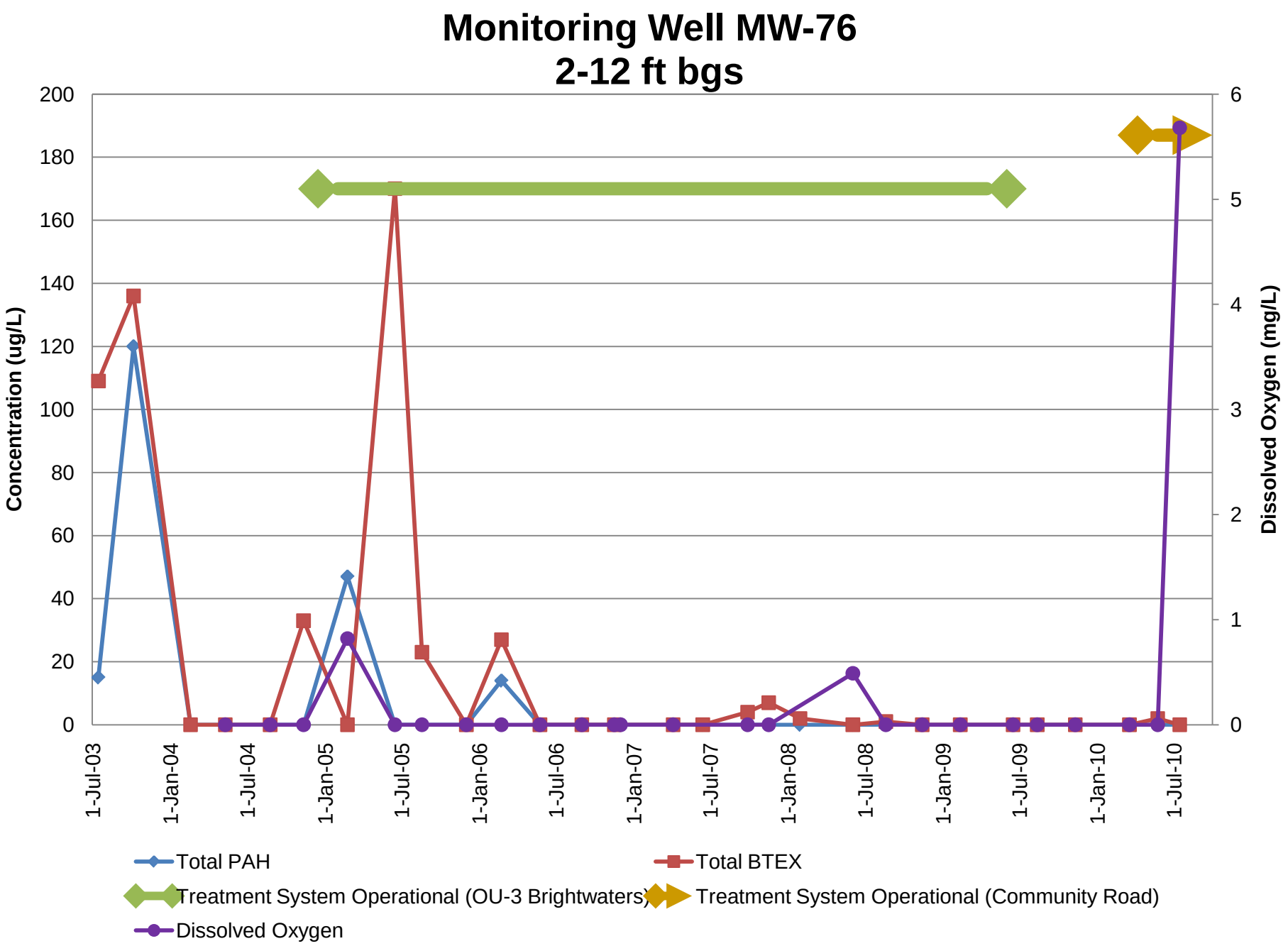
Monitoring Well MW-66D
24-29 ft bgs

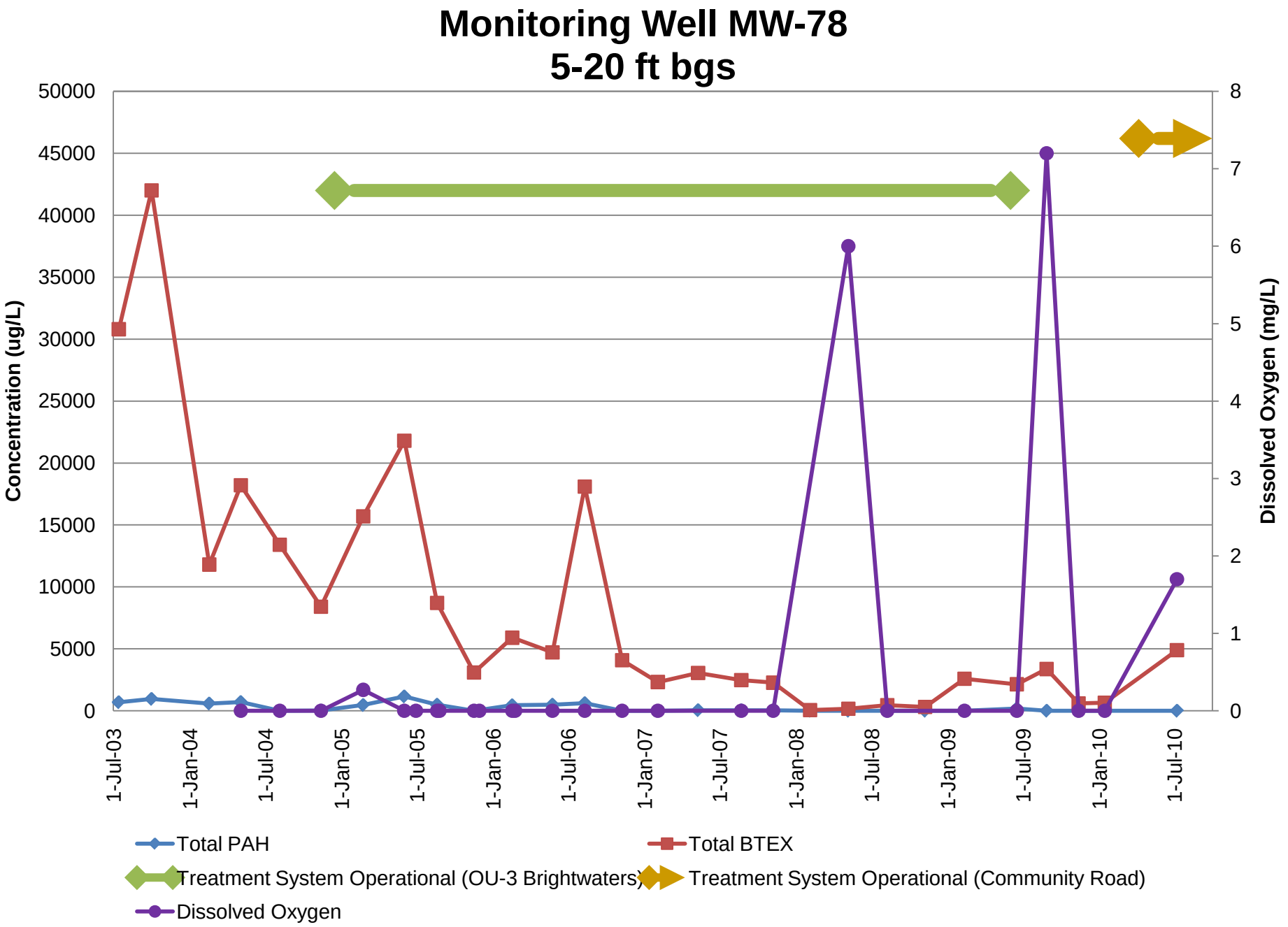


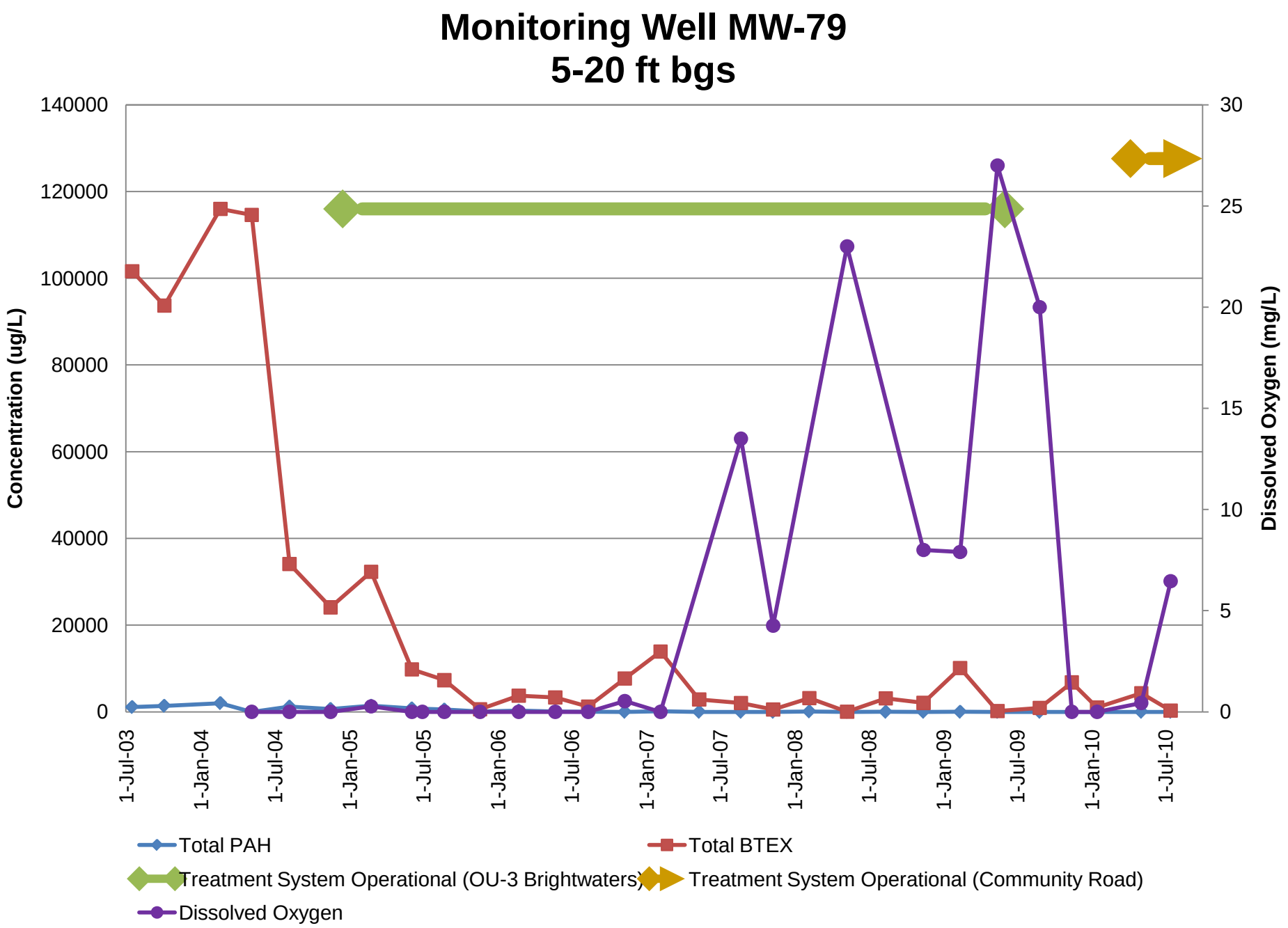

Monitoring Well MW-70/70S
2-12 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
70000
60000
50000
40000
30000
20000
10000
0
50
45
40
35
30
25
20
15
10
5
0
1-Apr-03
1-Oct-03
1-Apr-04
1-Oct-04
1-Apr-05
1-Oct-05
1-Apr-06
1-Oct-06
1-Apr-07
1-Oct-07
1-Apr-08
1-Oct-08
1-Apr-09
1-Oct-09
1-Apr-10
Total PAH
Total BTEX
Treatment System Operational (OU-3 Union Blvd)
Treatment System Operational (Community Road)
Dissolved Oxygen

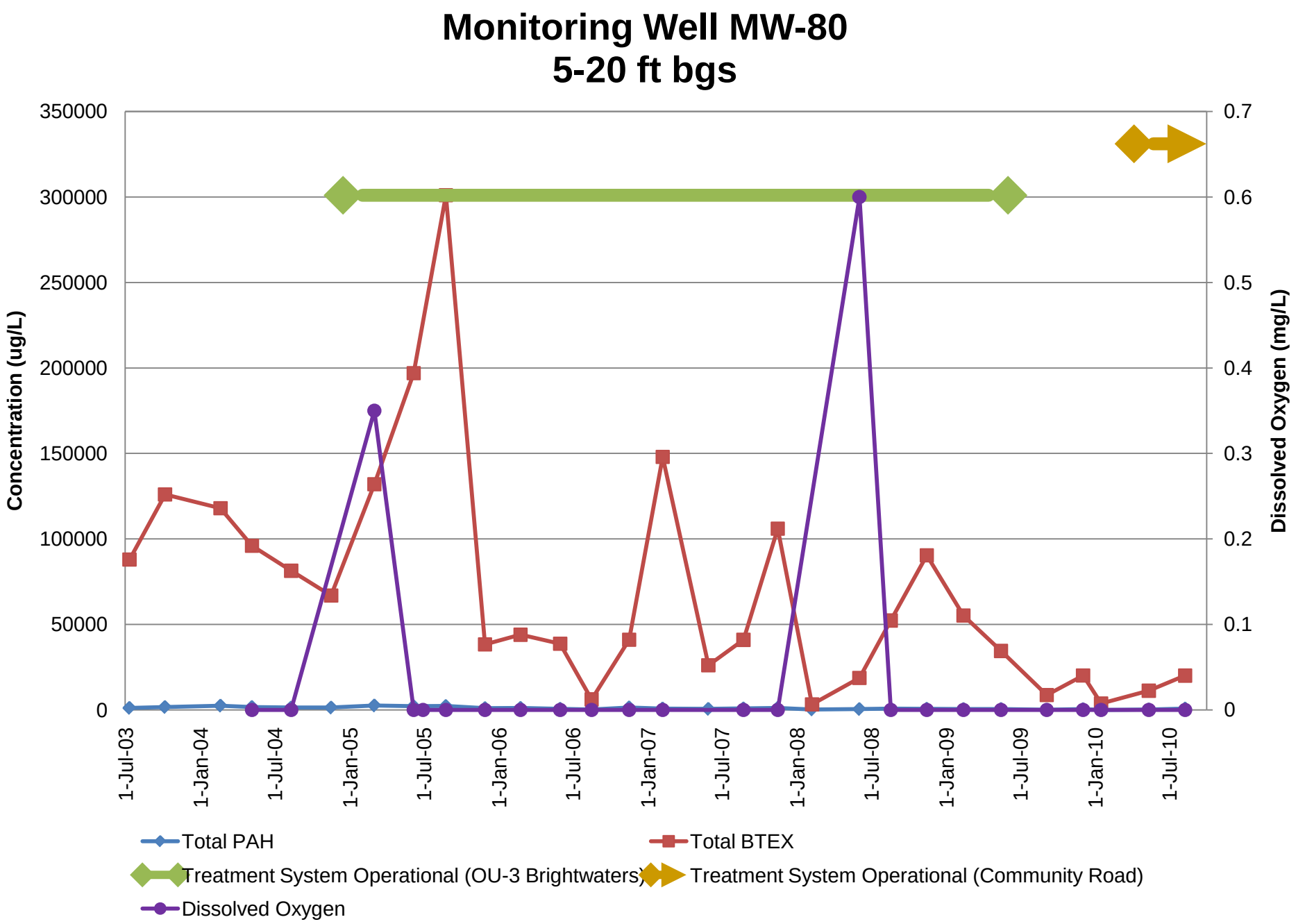

Monitoring Well MW-73
2-12 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
120000
100000
80000
60000
40000
20000
0
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
1-Jul-03
1-Jan-04
1-Jul-04
1-Jan-05
1-Jul-05
1-Jan-06
1-Jul-06
1-Jan-07
1-Jul-07
1-Jan-08
1-Jul-08
1-Jan-09
1-Jul-09
1-Jan-10
1-Jul-10
Total PAH
Total BTEX
Treatment System Operational (OU-3 Brightwaters)
Treatment System Operational (Community Road)
Dissolved Oxygen

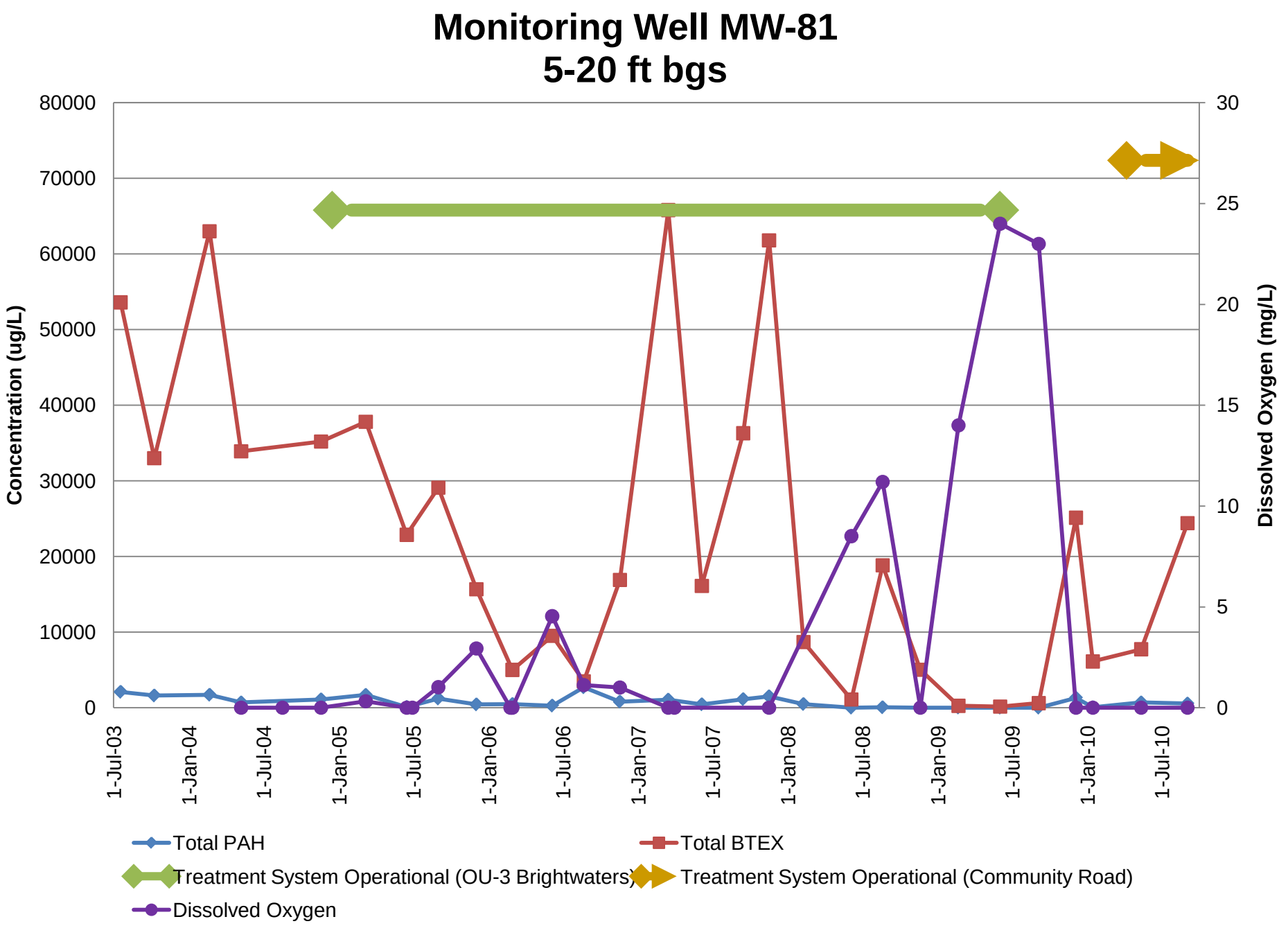

Monitoring Well MW-75
2-12 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
200000
180000
160000
140000
120000
100000
80000
60000
40000
20000
0
7
6
5
4
3
2
1
0
1-Apr-03
1-Oct-03
1-Apr-04
1-Oct-04
1-Apr-05
1-Oct-05
1-Apr-06
1-Oct-06
1-Apr-07
1-Oct-07
1-Apr-08
1-Oct-08
1-Apr-09
1-Oct-09
1-Apr-10
Total PAH
Total BTEX
Treatment System Operational (OU-3 Brightwaters)
Treatment System Operational (Community Road)
Dissolved Oxygen

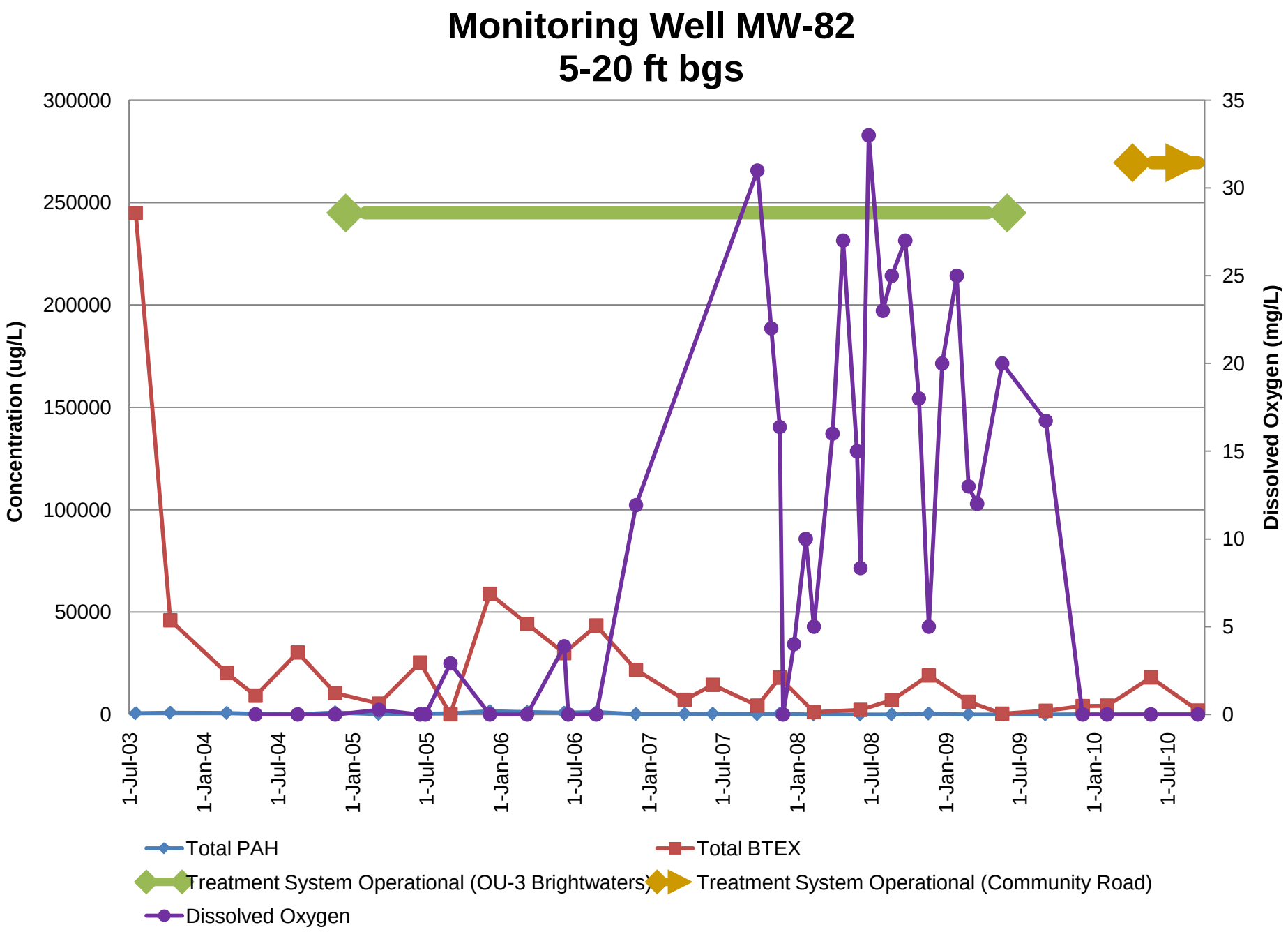

Monitoring Well MW-76
2-12 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
200
180
160
140
120
100
80
60
40
20
0
6
5
4
3
2
1
0
1-Jul-03
1-Jan-04
1-Jul-04
1-Jan-05
1-Jul-05
1-Jan-06
1-Jul-06
1-Jan-07
1-Jul-07
1-Jan-08
1-Jul-08
1-Jan-09
1-Jul-09
1-Jan-10
1-Jul-10
Total PAH
Total BTEX
Treatment System Operational (OU-3 Brightwaters)
Treatment System Operational (Community Road)
Dissolved Oxygen

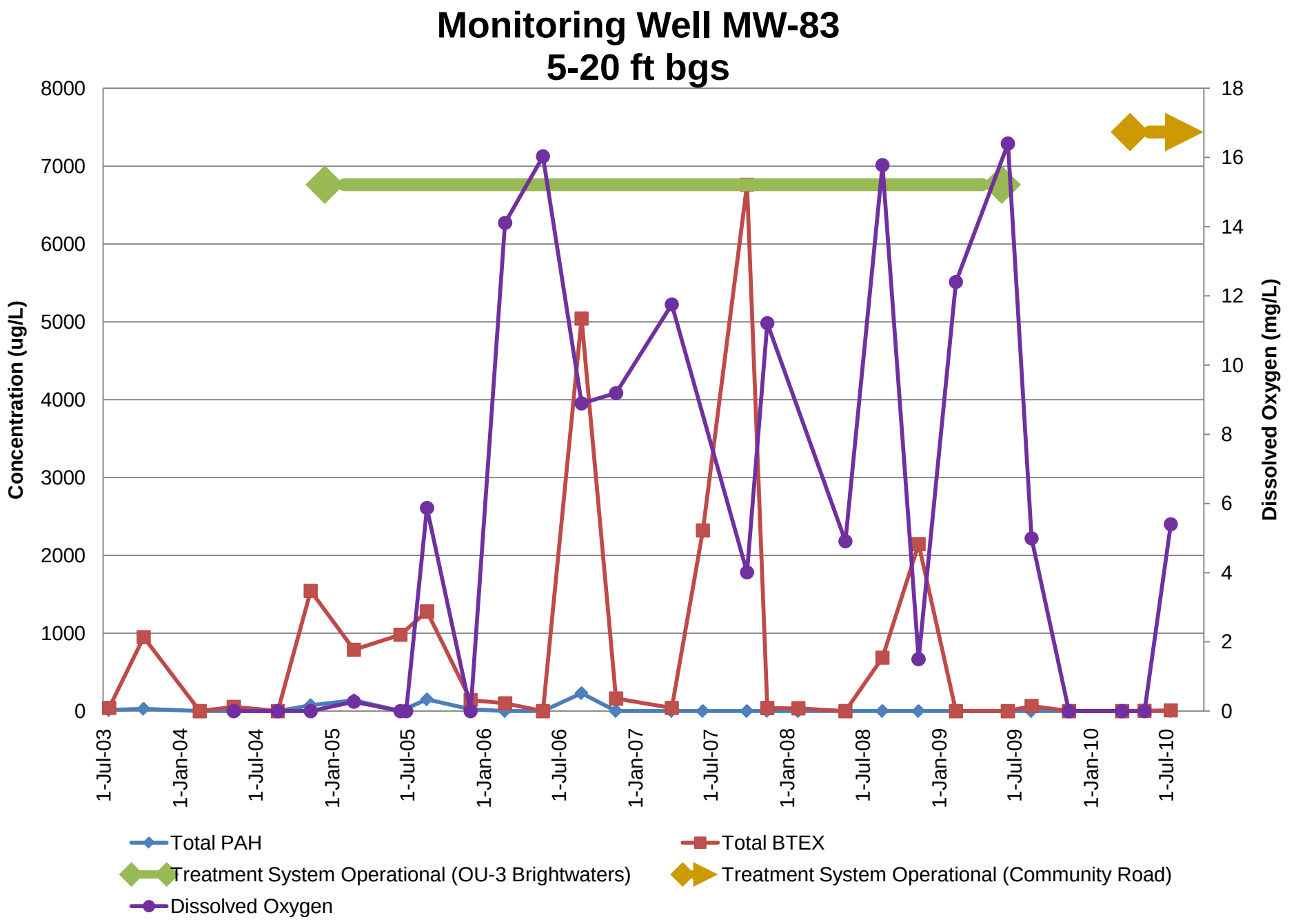

Monitoring Well MW-78
5-20 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
50000
45000
40000
35000
30000
25000
20000
15000
10000
5000
0
8
7
6
5
4
3
2
1
0
1-Jul-03
1-Jan-04
1-Jul-04
1-Jan-05
1-Jul-05
1-Jan-06
1-Jul-06
1-Jan-07
1-Jul-07
1-Jan-08
1-Jul-08
1-Jan-09
1-Jul-09
1-Jan-10
1-Jul-10
Total PAH
Total BTEX
Treatment System Operational (OU-3 Brightwaters)
Treatment System Operational (Community Road)
Dissolved Oxygen

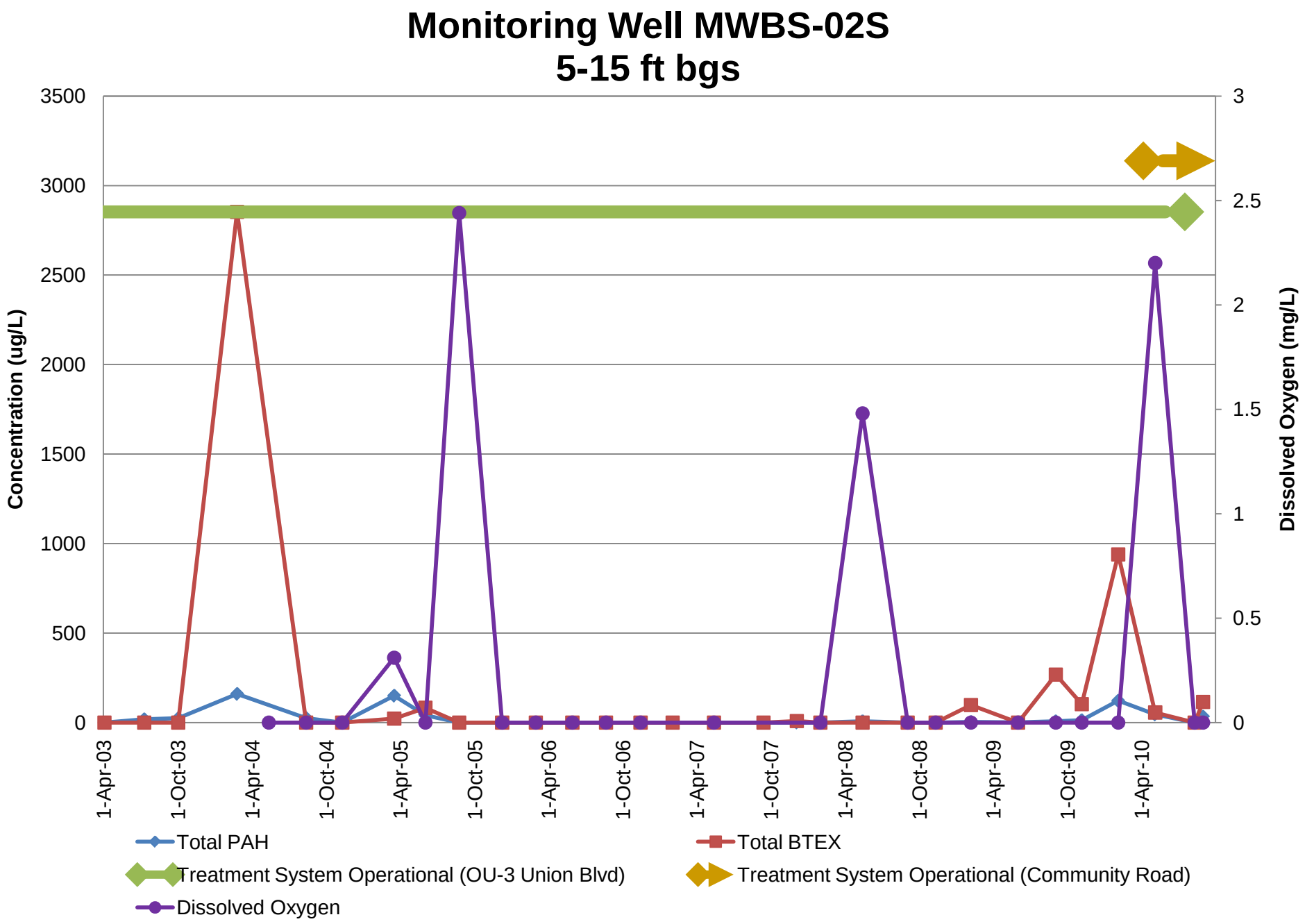

Monitoring Well MW-79
5-20 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
140000
120000
100000
80000
60000
40000
20000
0
30
25
20
15
10
5
0
1-Jul-03
1-Jan-04
1-Jul-04
1-Jan-05
1-Jul-05
1-Jan-06
1-Jul-06
1-Jan-07
1-Jul-07
1-Jan-08
1-Jul-08
1-Jan-09
1-Jul-09
1-Jan-10
1-Jul-10
Total PAH
Total BTEX
Treatment System Operational (OU-3 Brightwaters)
Treatment System Operational (Community Road)
Dissolved Oxygen

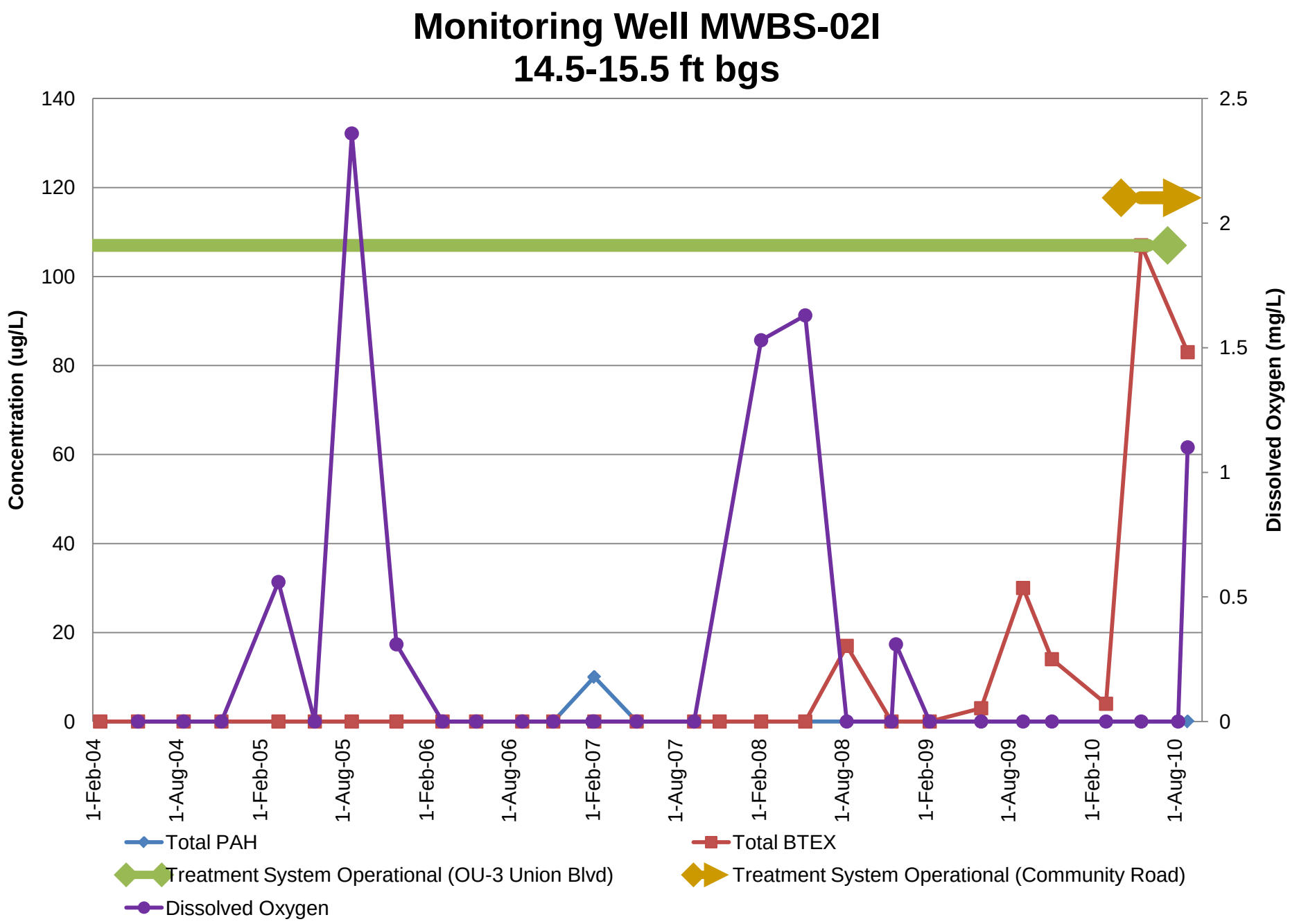

Monitoring Well MW-80
5-20 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
350000
300000
250000
200000
150000
100000
50000
0
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
1-Jul-03
1-Jan-04
1-Jul-04
1-Jan-05
1-Jul-05
1-Jan-06
1-Jul-06
1-Jan-07
1-Jul-07
1-Jan-08
1-Jul-08
1-Jan-09
1-Jul-09
1-Jan-10
1-Jul-10
Total PAH
Total BTEX
Treatment System Operational (OU-3 Brightwaters)
Treatment System Operational (Community Road)
Dissolved Oxygen

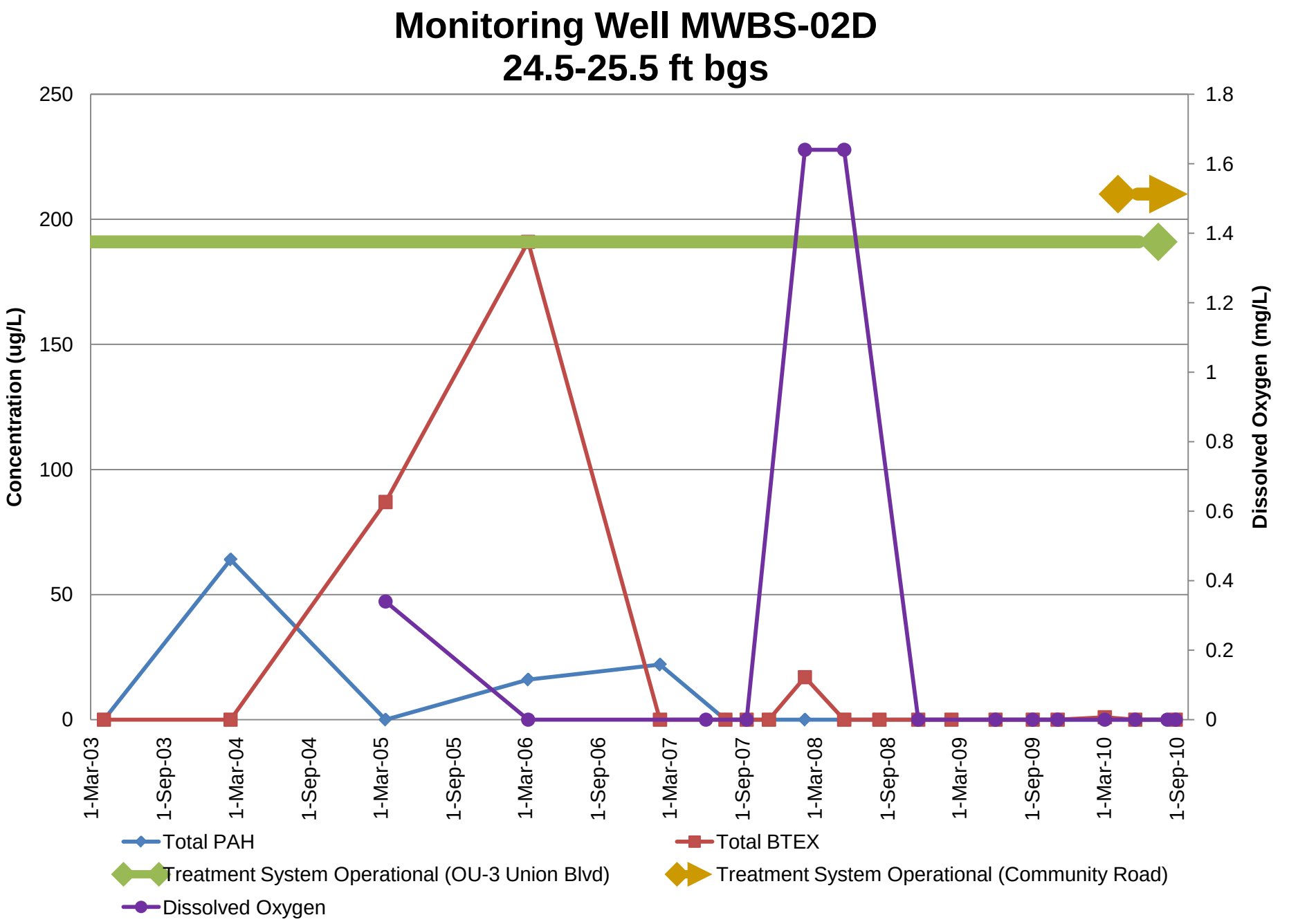

Monitoring Well MW-81
5-20 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
80000
70000
60000
50000
40000
30000
20000
10000
0
30
25
20
15
10
5
0
1-Jul-03
1-Jan-04
1-Jul-04
1-Jan-05
1-Jul-05
1-Jan-06
1-Jul-06
1-Jan-07
1-Jul-07
1-Jan-08
1-Jul-08
1-Jan-09
1-Jul-09
1-Jan-10
1-Jul-10
Total PAH
Total BTEX
Treatment System Operational (OU-3 Brightwaters)
Treatment System Operational (Community Road)
Dissolved Oxygen

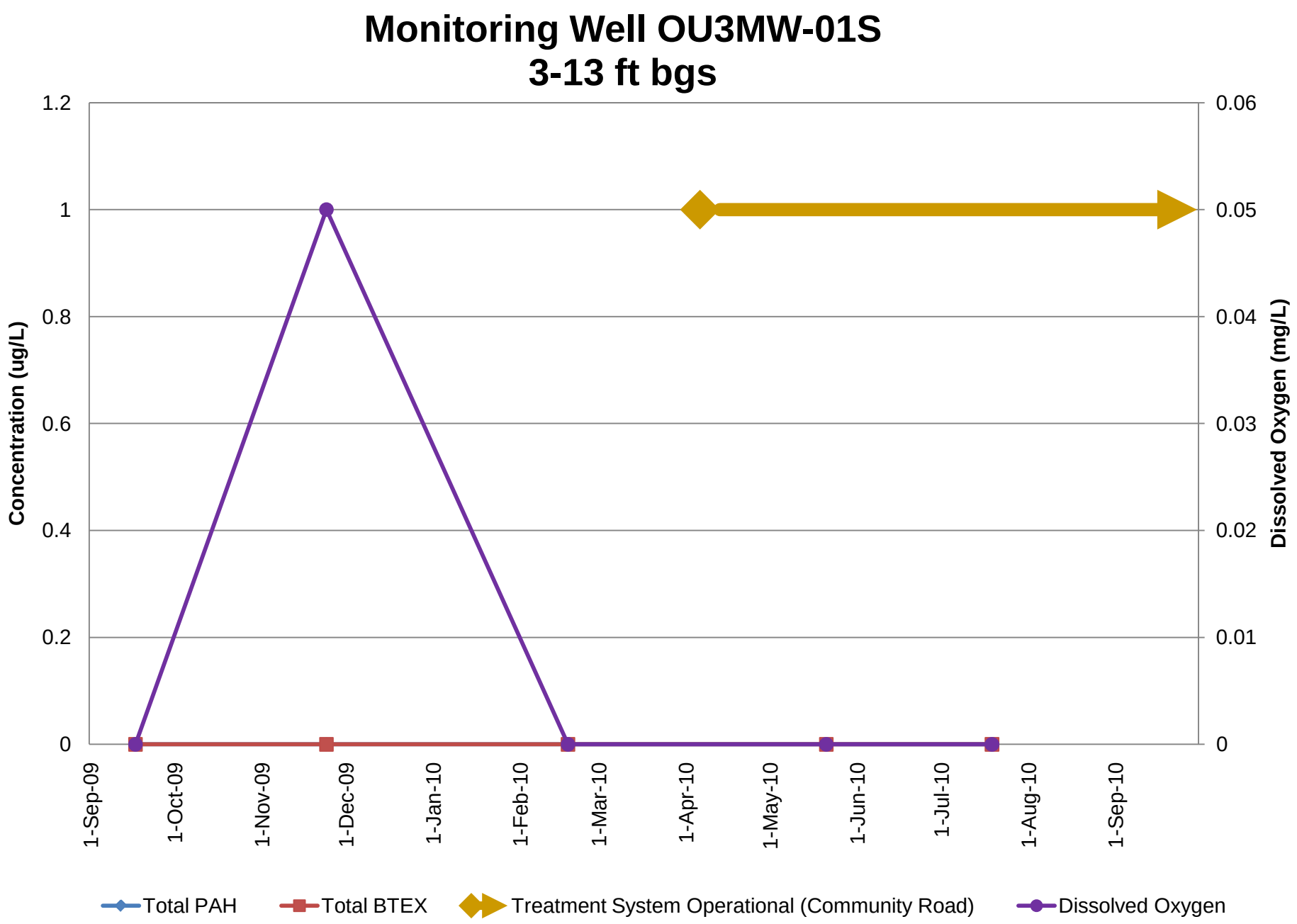

Monitoring Well MW-82
5-20 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
300000
250000
200000
150000
100000
50000
0
35
30
25
20
15
10
5
0
1-Jul-03
1-Jan-04
1-Jul-04
1-Jan-05
1-Jul-05
1-Jan-06
1-Jul-06
1-Jan-07
1-Jul-07
1-Jan-08
1-Jul-08
1-Jan-09
1-Jul-09
1-Jan-10
1-Jul-10
Total PAH
Total BTEX
Treatment System Operational (OU-3 Brightwaters)
Treatment System Operational (Community Road)
Dissolved Oxygen

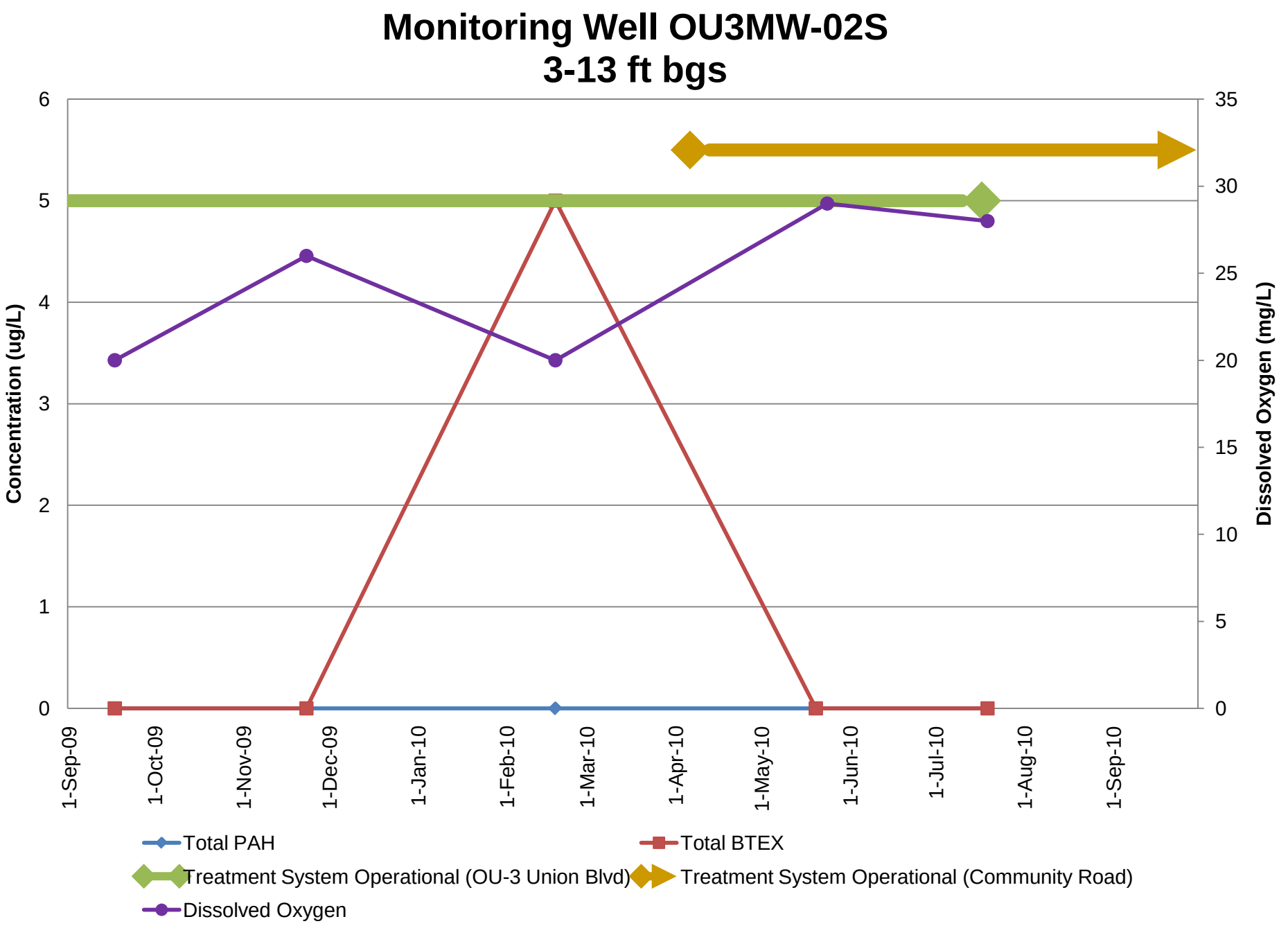

Monitoring Well MW-83
5-20 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
8000
7000
6000
5000
4000
3000
2000
1000
0
18
16
14
12
10
8
6
4
2
0
1-Jul-03
1-Jan-04
1-Jul-04
1-Jan-05
1-Jul-05
1-Jan-06
1-Jul-06
1-Jan-07
1-Jul-07
1-Jan-08
1-Jul-08
1-Jan-09
1-Jul-09
1-Jan-10
1-Jul-10
Total PAH
Total BTEX
Treatment System Operational (OU-3 Brightwaters)
Treatment System Operational (Community Road)
Dissolved Oxygen

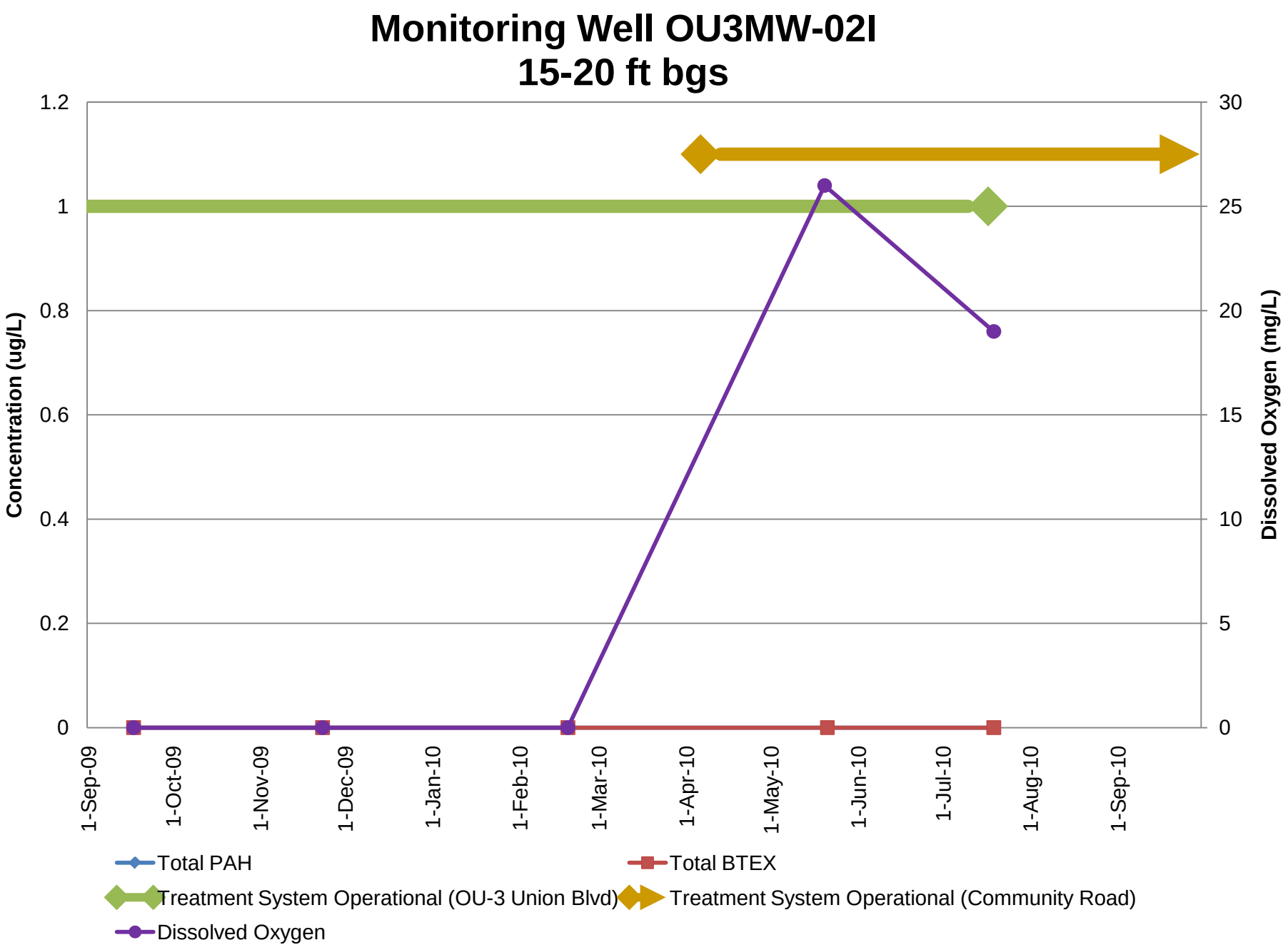

Monitoring Well MWBS-02S
5-15 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
3500
3000
2500
2000
1500
1000
500
0
3
2.5
2
1.5
1
0.5
0
1-Apr-03
1-Oct-03
1-Apr-04
1-Oct-04
1-Apr-05
1-Oct-05
1-Apr-06
1-Oct-06
1-Apr-07
1-Oct-07
1-Apr-08
1-Oct-08
1-Apr-09
1-Oct-09
1-Apr-10
Total PAH
Total BTEX
Treatment System Operational (OU-3 Union Blvd)
Treatment System Operational (Community Road)
Dissolved Oxygen

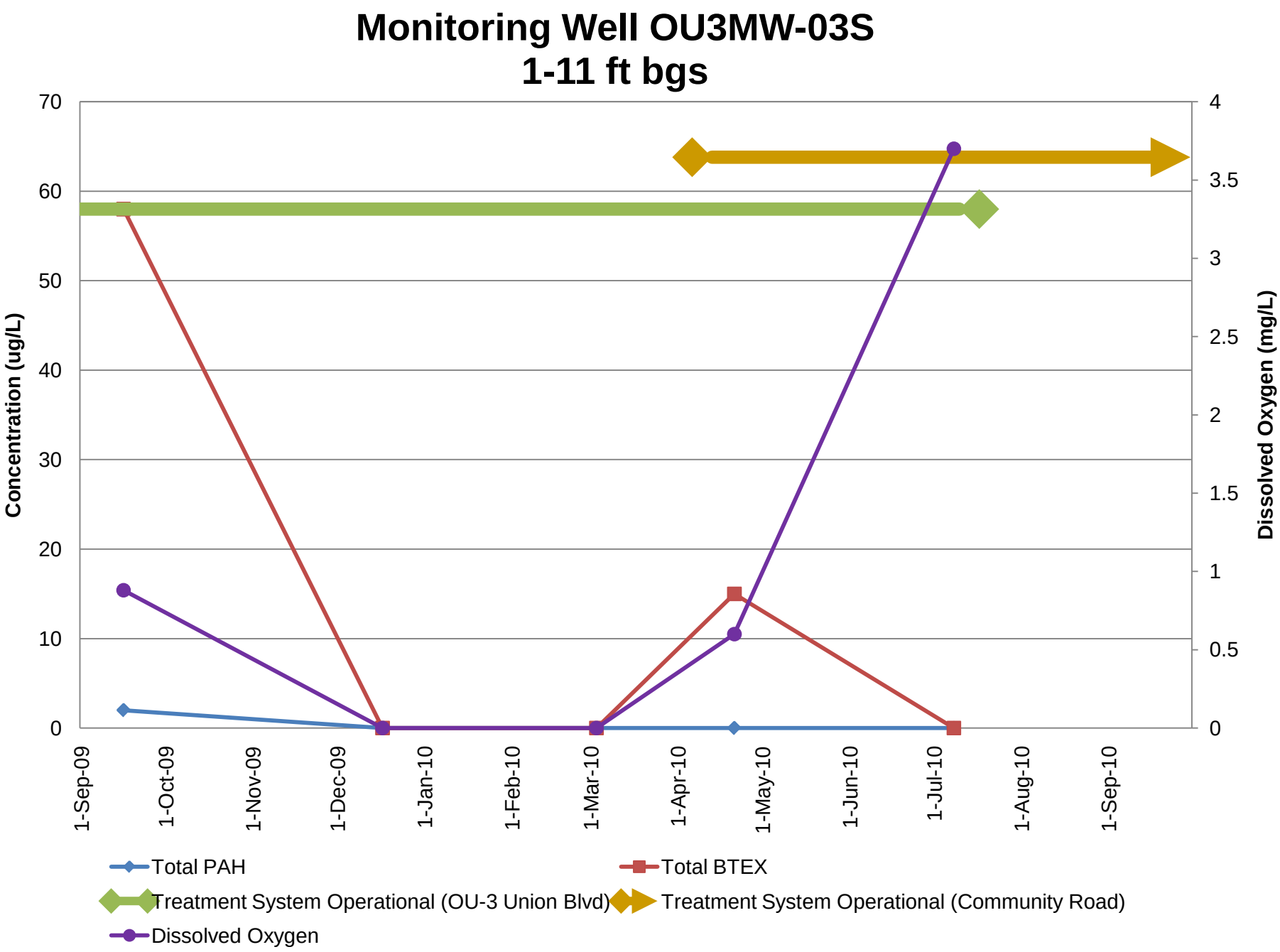

Monitoring Well MWBS-02I
14.5-15.5 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
140
120
100
80
60
40
20
0
2.5
2
1.5
1
0.5
0
1-Feb-04
1-Aug-04
1-Feb-05
1-Aug-05
1-Feb-06
1-Aug-06
1-Feb-07
1-Aug-07
1-Feb-08
1-Aug-08
1-Feb-09
1-Aug-09
1-Feb-10
1-Aug-10
Total PAH
Total BTEX
Treatment System Operational (OU-3 Union Blvd)
Treatment System Operational (Community Road)
Dissolved Oxygen

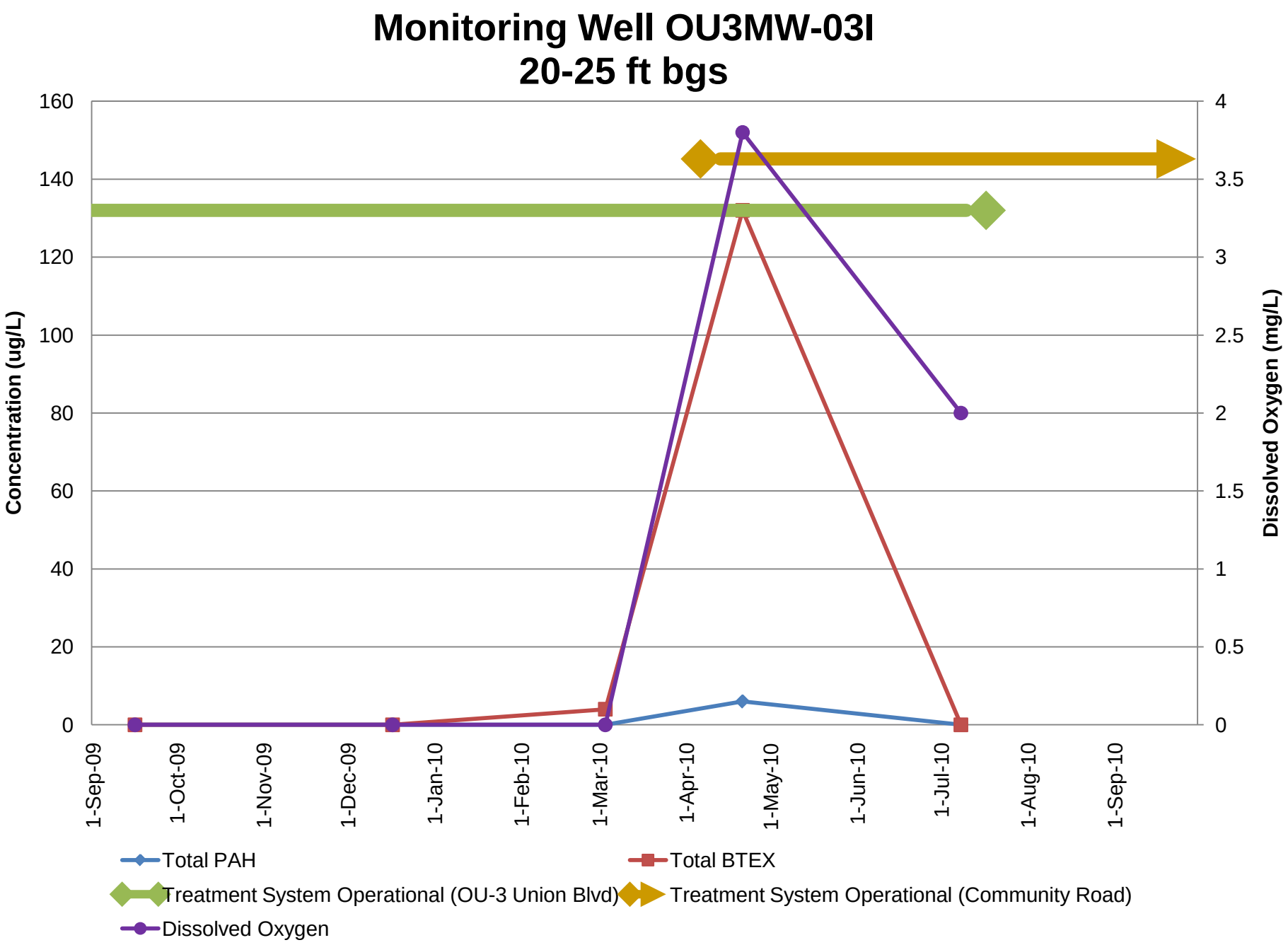

Monitoring Well MWBS-02D
24.5-25.5 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
250
200
150
100
50
0
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
1-Mar-03
1-Sep-03
1-Mar-04
1-Sep-04
1-Mar-05
1-Sep-05
1-Mar-06
1-Sep-06
1-Mar-07
1-Sep-07
1-Mar-08
1-Sep-08
1-Mar-09
1-Sep-09
1-Mar-10
1-Sep-10
Total PAH
Total BTEX
Treatment System Operational (OU-3 Union Blvd)
Treatment System Operational (Community Road)
Dissolved Oxygen

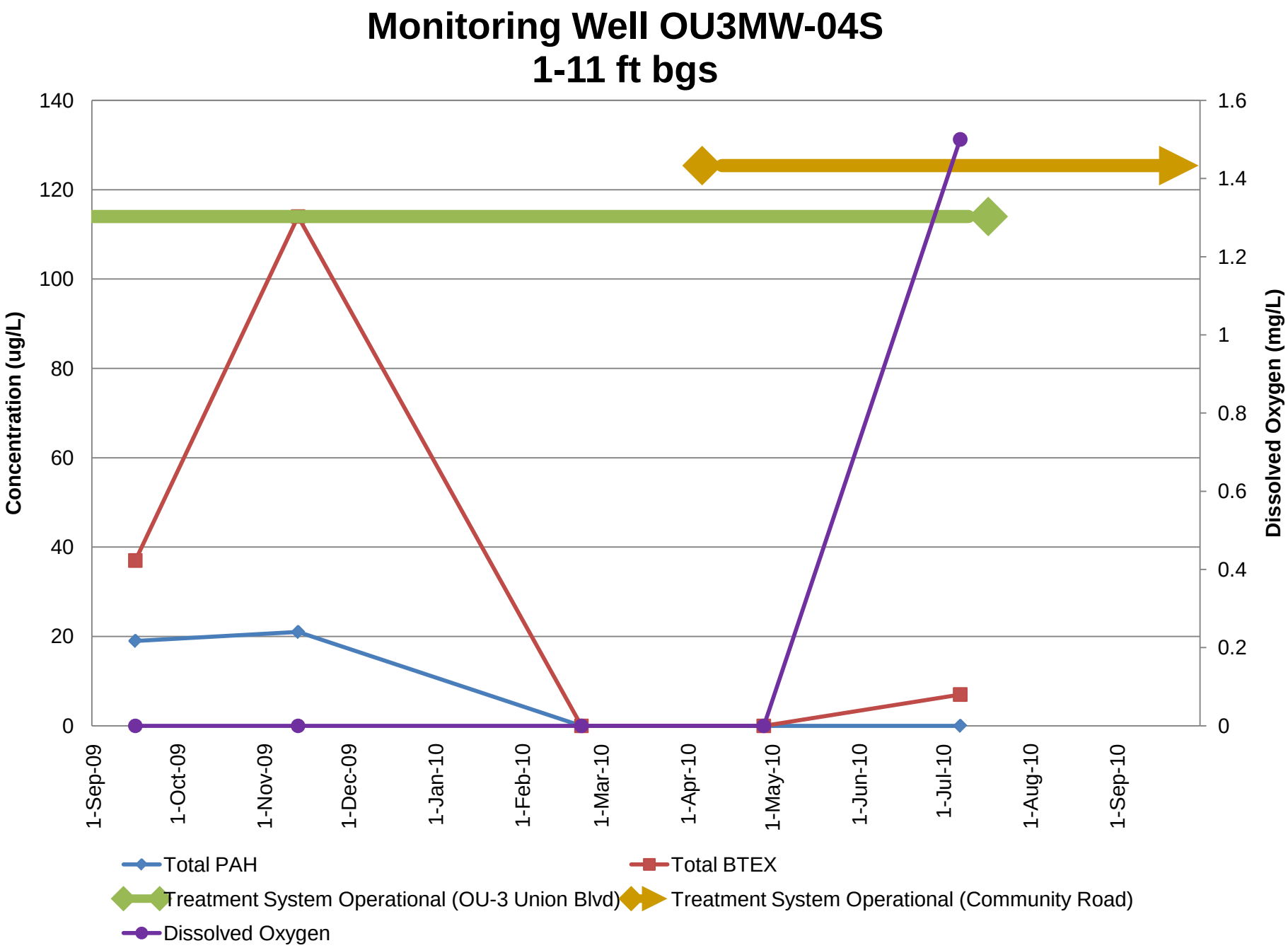

Monitoring Well OU3MW-01S
3-13 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
1.2
1
0.8
0.6
0.4
0.2
0
0.06
0.05
0.04
0.03
0.02
0.01
0
1-Sep-09
1-Oct-09
1-Nov-09
1-Dec-09
1-Jan-10
1-Feb-10
1-Mar-10
1-Apr-10
1-May-10
1-Jun-10
1-Jul-10
1-Aug-10
1-Sep-10
Total PAH
Total BTEX
Treatment System Operational (Community Road)
Dissolved Oxygen

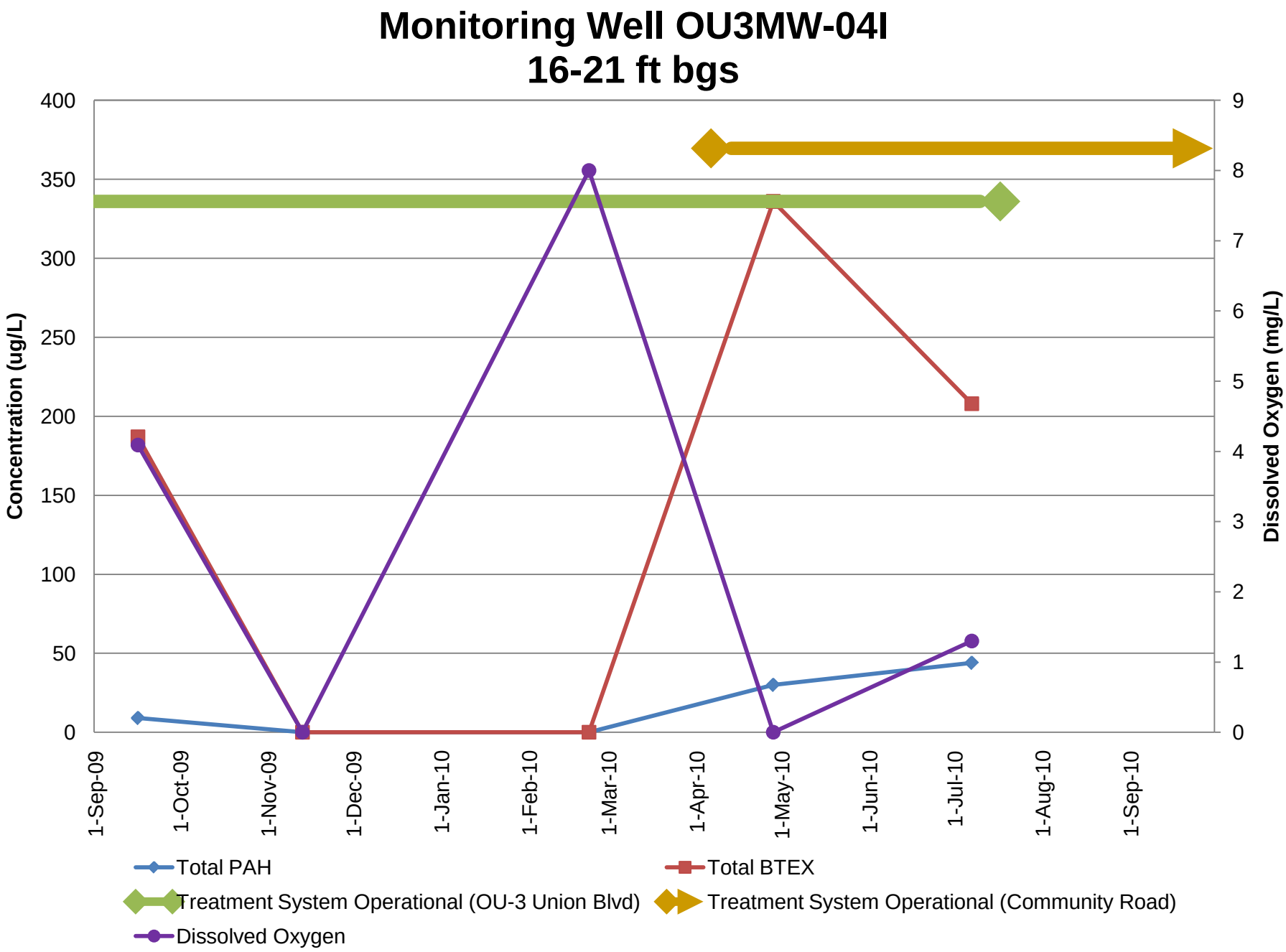

Monitoring Well OU3MW-02S
3-13 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
0
1
2
3
4
5
6
0
5
10
15
20
25
30
35
1-Sep-09
1-Oct-09
1-Nov-09
1-Dec-09
1-Jan-10
1-Feb-10
1-Mar-10
1-Apr-10
1-May-10
1-Jun-10
1-Jul-10
1-Aug-10
1-Sep-10
Total PAH
Total BTEX
Treatment System Operational (OU-3 Union Blvd)
Treatment System Operational (Community Road)
Dissolved Oxygen

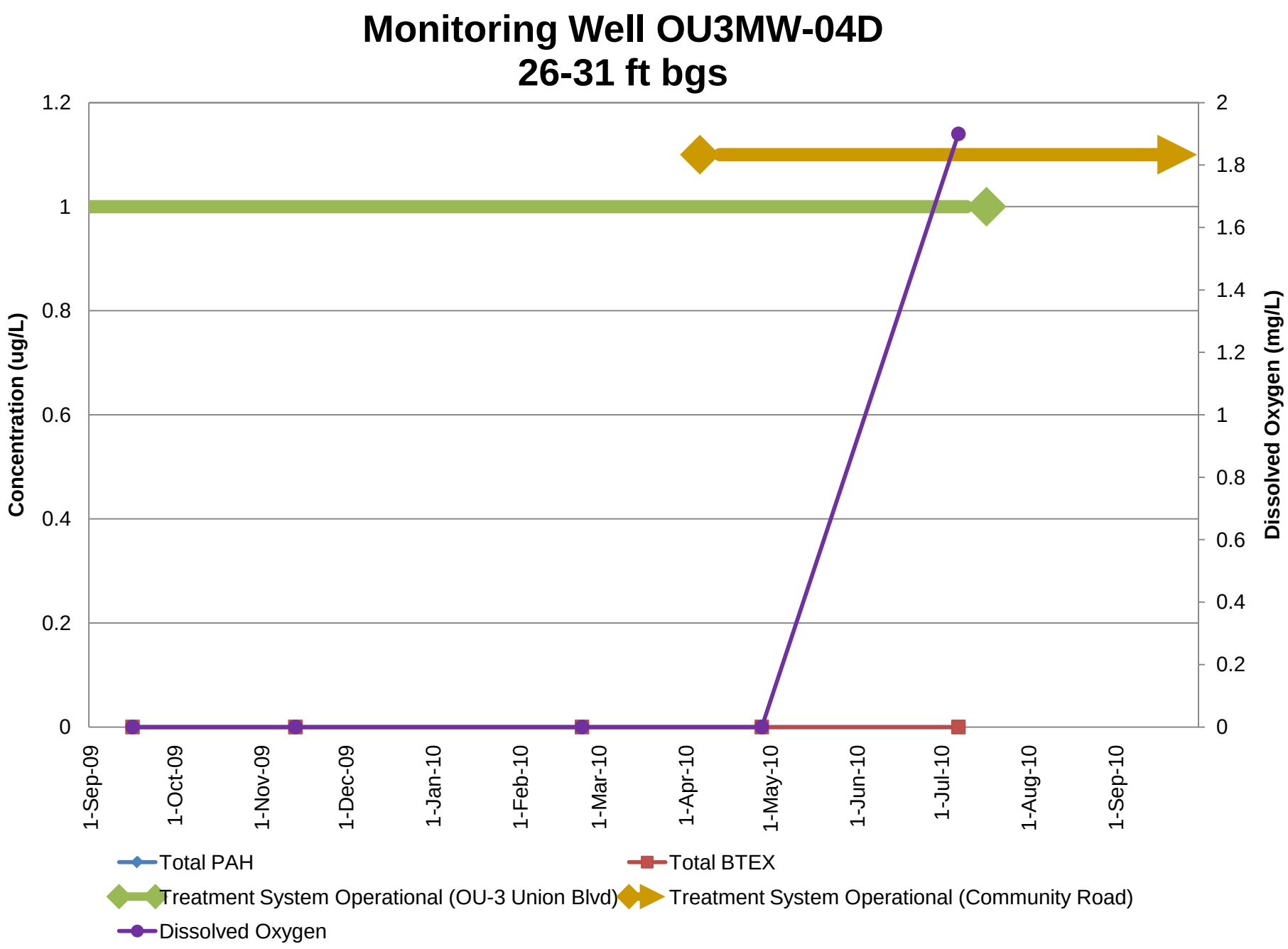

Monitoring Well OU3MW-02I
15-20 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
1.2
1
0.8
0.6
0.4
0.2
0
30
25
20
15
10
5
0
1-Sep-09
1-Oct-09
1-Nov-09
1-Dec-09
1-Jan-10
1-Feb-10
1-Mar-10
1-Apr-10
1-May-10
1-Jun-10
1-Jul-10
1-Aug-10
1-Sep-10
Total PAH
Total BTEX
Treatment System Operational (OU-3 Union Blvd)
Treatment System Operational (Community Road)
Dissolved Oxygen

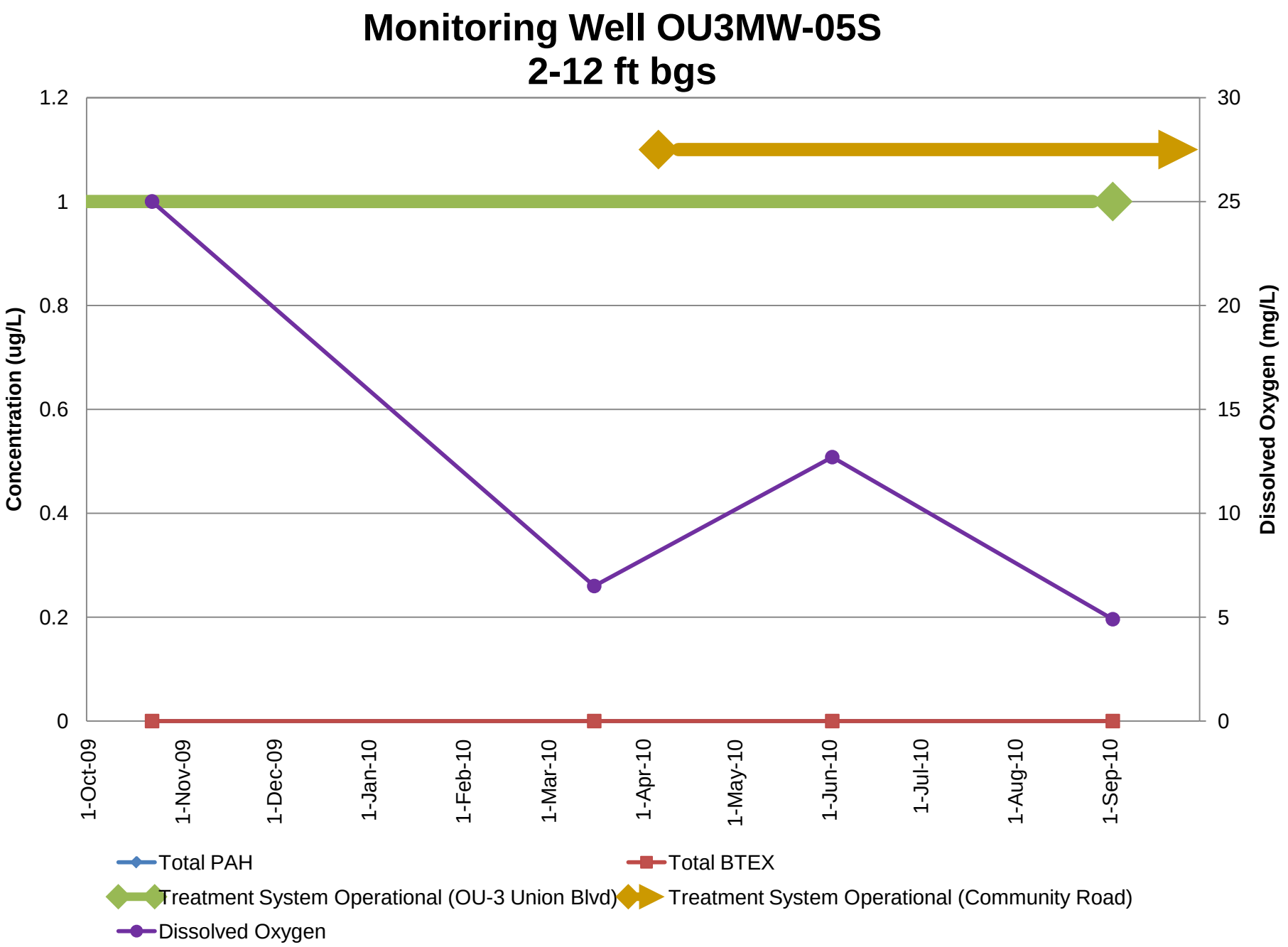

Monitoring Well OU3MW-03S
1-11 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
70
60
50
40
30
20
10
0
4
3.5
3
2.5
2
1.5
1
0.5
0
1-Sep-09
1-Oct-09
1-Nov-09
1-Dec-09
1-Jan-10
1-Feb-10
1-Mar-10
1-Apr-10
1-May-10
1-Jun-10
1-Jul-10
1-Aug-10
1-Sep-10
Total PAH
Total BTEX
Treatment System Operational (OU-3 Union Blvd)
Treatment System Operational (Community Road)
Dissolved Oxygen

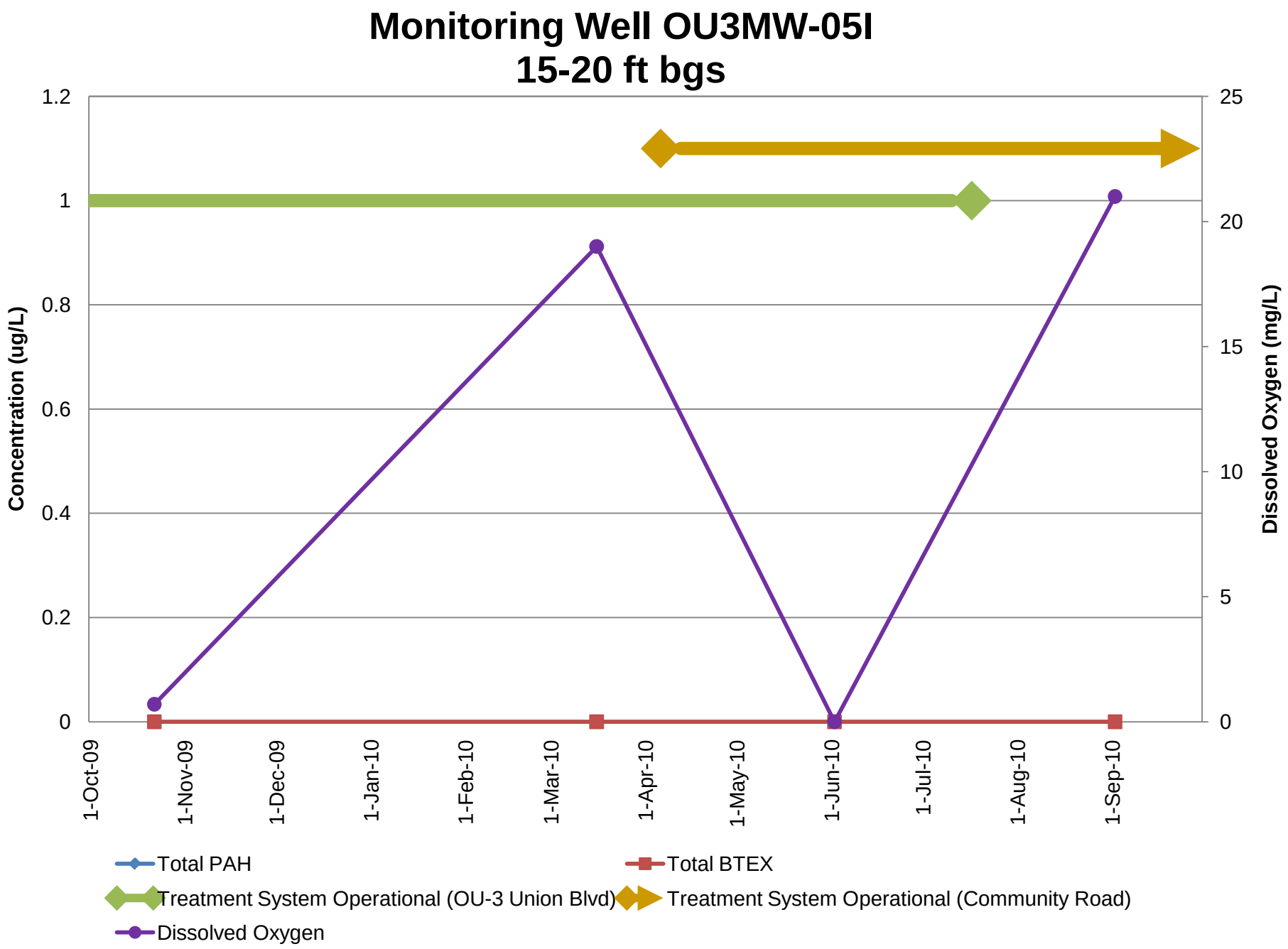

Monitoring Well OU3MW-03I
20-25 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
160
140
120
100
80
60
40
20
0
4
3.5
3
2.5
2
1.5
1
0.5
0
1-Sep-09
1-Oct-09
1-Nov-09
1-Dec-09
1-Jan-10
1-Feb-10
1-Mar-10
1-Apr-10
1-May-10
1-Jun-10
1-Jul-10
1-Aug-10
1-Sep-10
Total PAH
Total BTEX
Treatment System Operational (OU-3 Union Blvd)
Treatment System Operational (Community Road)
Dissolved Oxygen

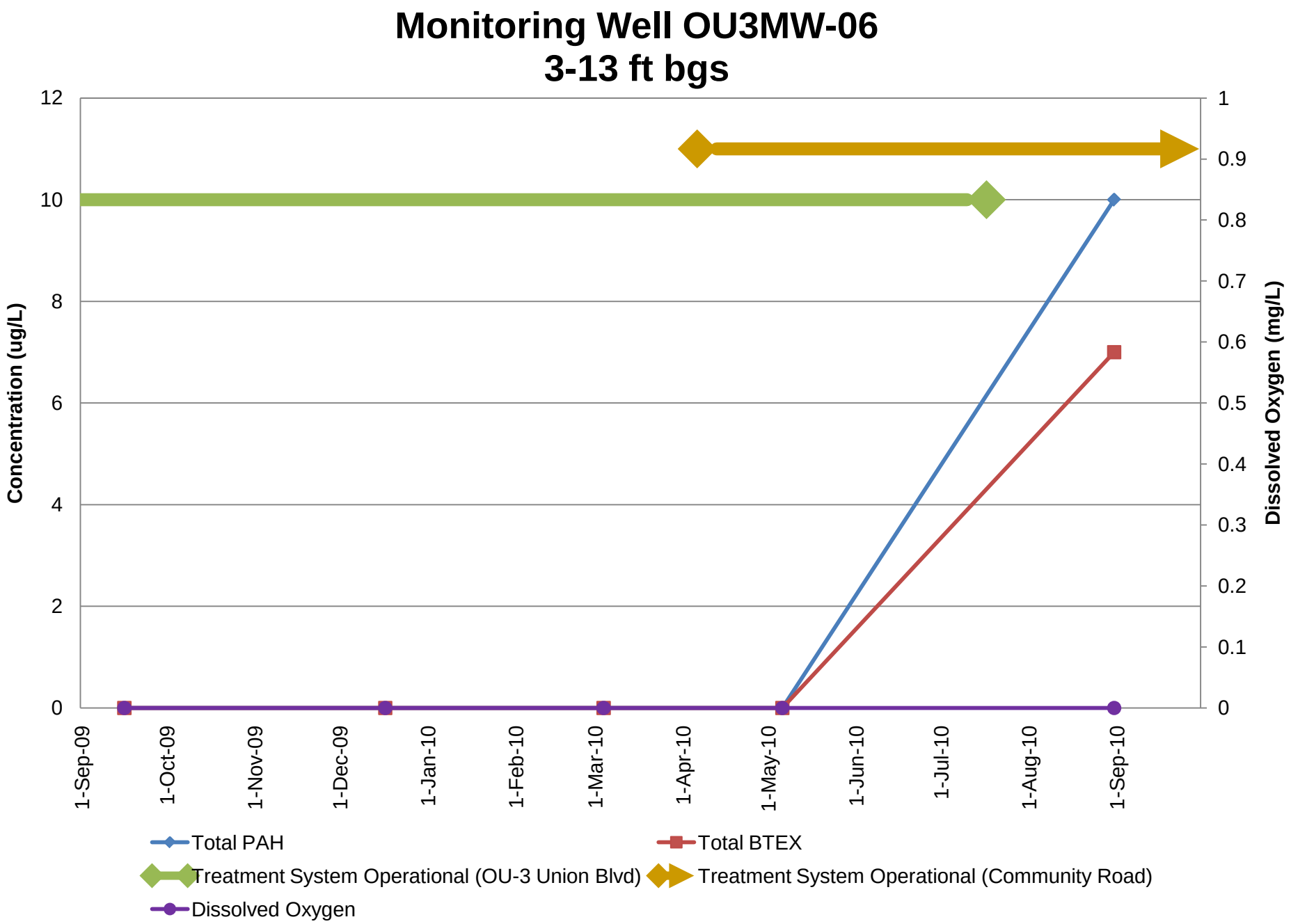

Monitoring Well OU3MW-04S
1-11 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
140
120
100
80
60
40
20
0
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
1-Sep-09
1-Oct-09
1-Nov-09
1-Dec-09
1-Jan-10
1-Feb-10
1-Mar-10
1-Apr-10
1-May-10
1-Jun-10
1-Jul-10
1-Aug-10
1-Sep-10
Total PAH
Total BTEX
Treatment System Operational (OU-3 Union Blvd)
Treatment System Operational (Community Road)
Dissolved Oxygen

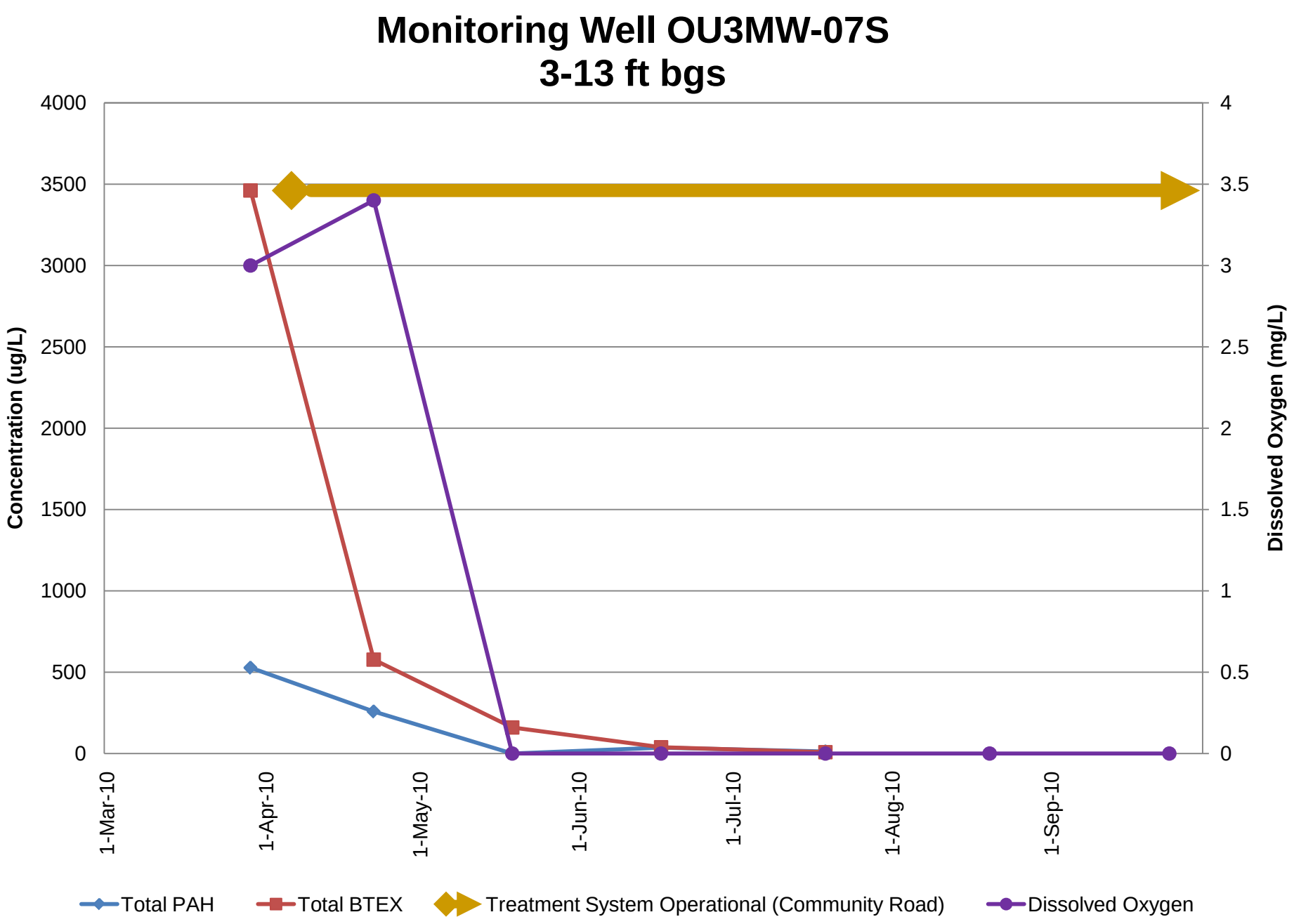

Monitoring Well OU3MW-04I
16-21 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
400
350
300
250
200
150
100
50
0
9
8
7
6
5
4
3
2
1
0
1-Sep-09
1-Oct-09
1-Nov-09
1-Dec-09
1-Jan-10
1-Feb-10
1-Mar-10
1-Apr-10
1-May-10
1-Jun-10
1-Jul-10
1-Aug-10
1-Sep-10
Total PAH
Total BTEX
Treatment System Operational (OU-3 Union Blvd)
Treatment System Operational (Community Road)
Dissolved Oxygen

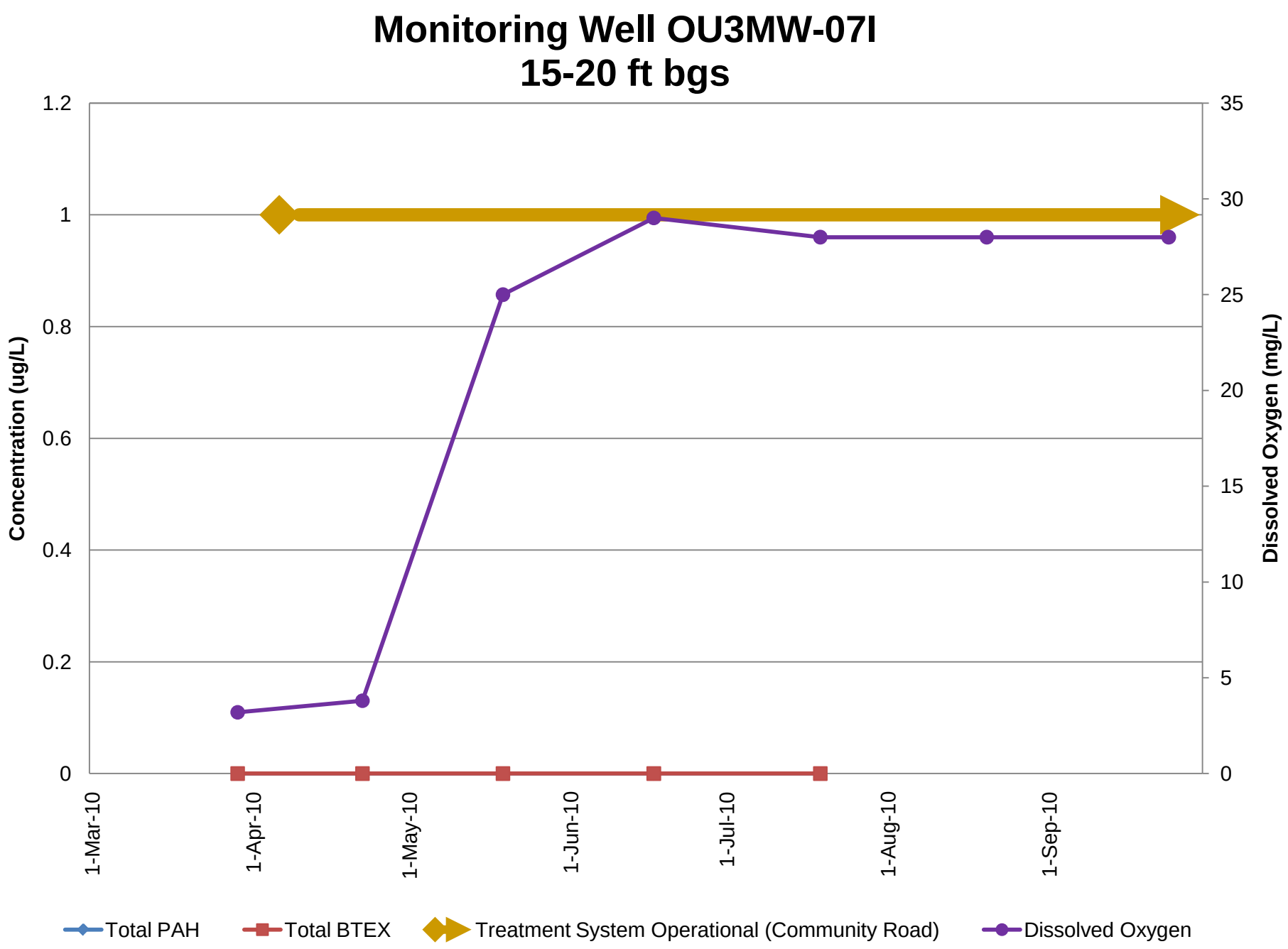

Monitoring Well OU3MW-04D
26-31 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
1.2
1
0.8
0.6
0.4
0.2
0
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
1-Sep-09
1-Oct-09
1-Nov-09
1-Dec-09
1-Jan-10
1-Feb-10
1-Mar-10
1-Apr-10
1-May-10
1-Jun-10
1-Jul-10
1-Aug-10
1-Sep-10
Total PAH
Total BTEX
Treatment System Operational (OU-3 Union Blvd)
Treatment System Operational (Community Road)
Dissolved Oxygen

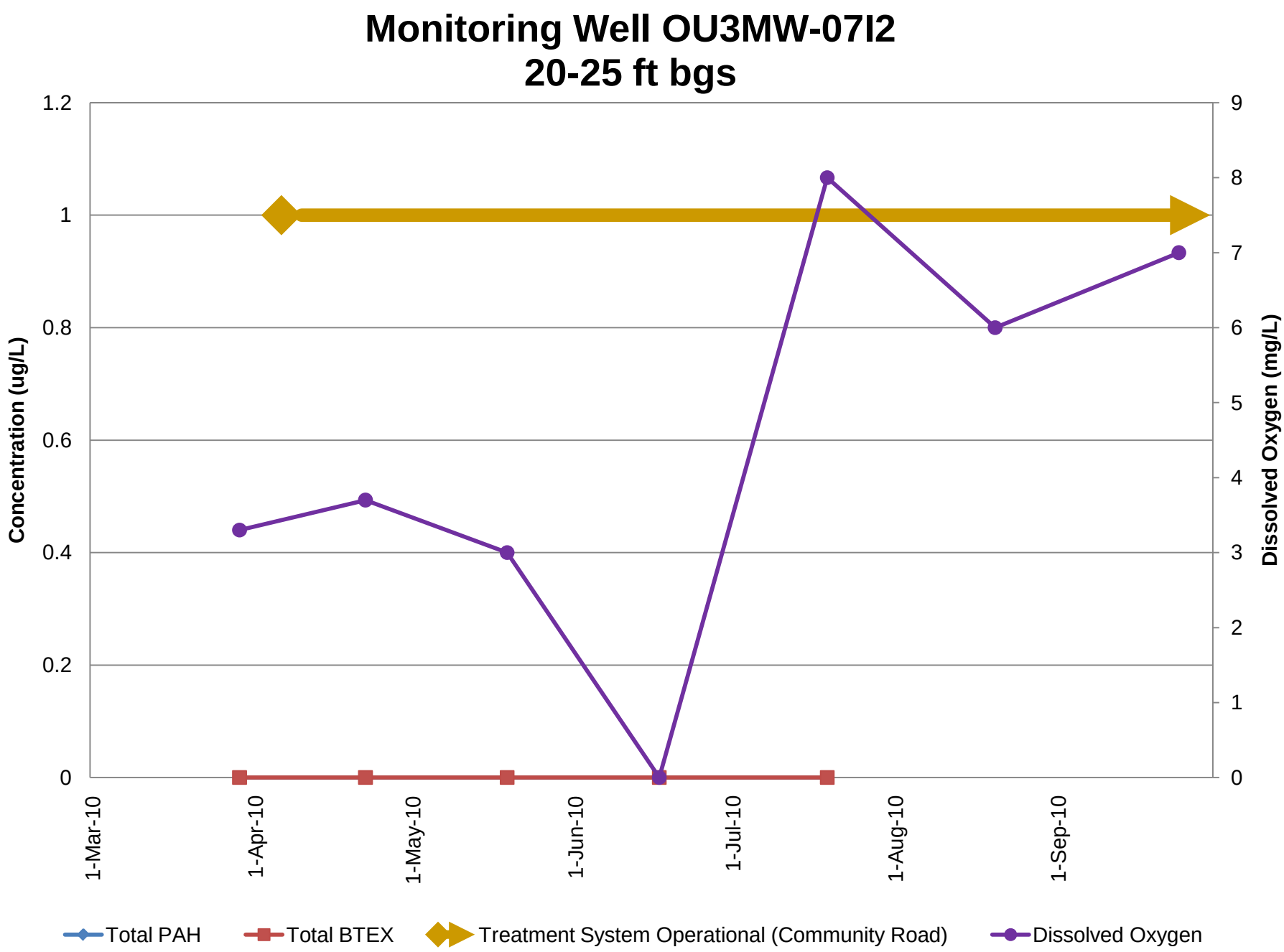

Monitoring Well OU3MW-05S
2-12 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
1.2
1
0.8
0.6
0.4
0.2
0
30
25
20
15
10
5
0
1-Oct-09
1-Nov-09
1-Dec-09
1-Jan-10
1-Feb-10
1-Mar-10
1-Apr-10
1-May-10
1-Jun-10
1-Jul-10
1-Aug-10
1-Sep-10
Total PAH
Total BTEX
Treatment System Operational (OU-3 Union Blvd)
Treatment System Operational (Community Road)
Dissolved Oxygen

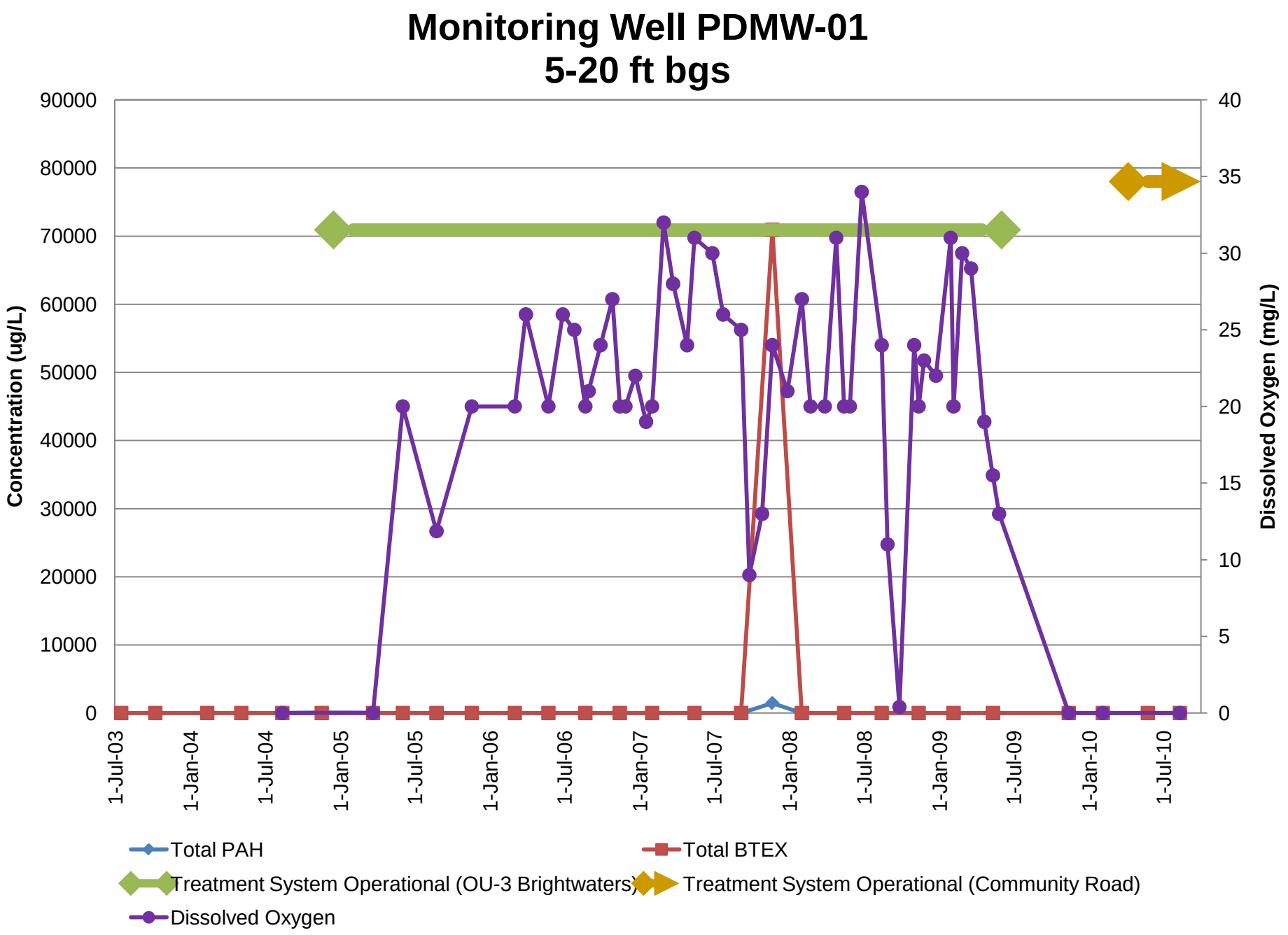

Monitoring Well OU3MW-05I
15-20 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
1.2
1
0.8
0.6
0.4
0.2
0
25
20
15
10
5
0
1-Oct-09
1-Nov-09
1-Dec-09
1-Jan-10
1-Feb-10
1-Mar-10
1-Apr-10
1-May-10
1-Jun-10
1-Jul-10
1-Aug-10
1-Sep-10
Total PAH
Total BTEX
Treatment System Operational (OU-3 Union Blvd)
Treatment System Operational (Community Road)
Dissolved Oxygen

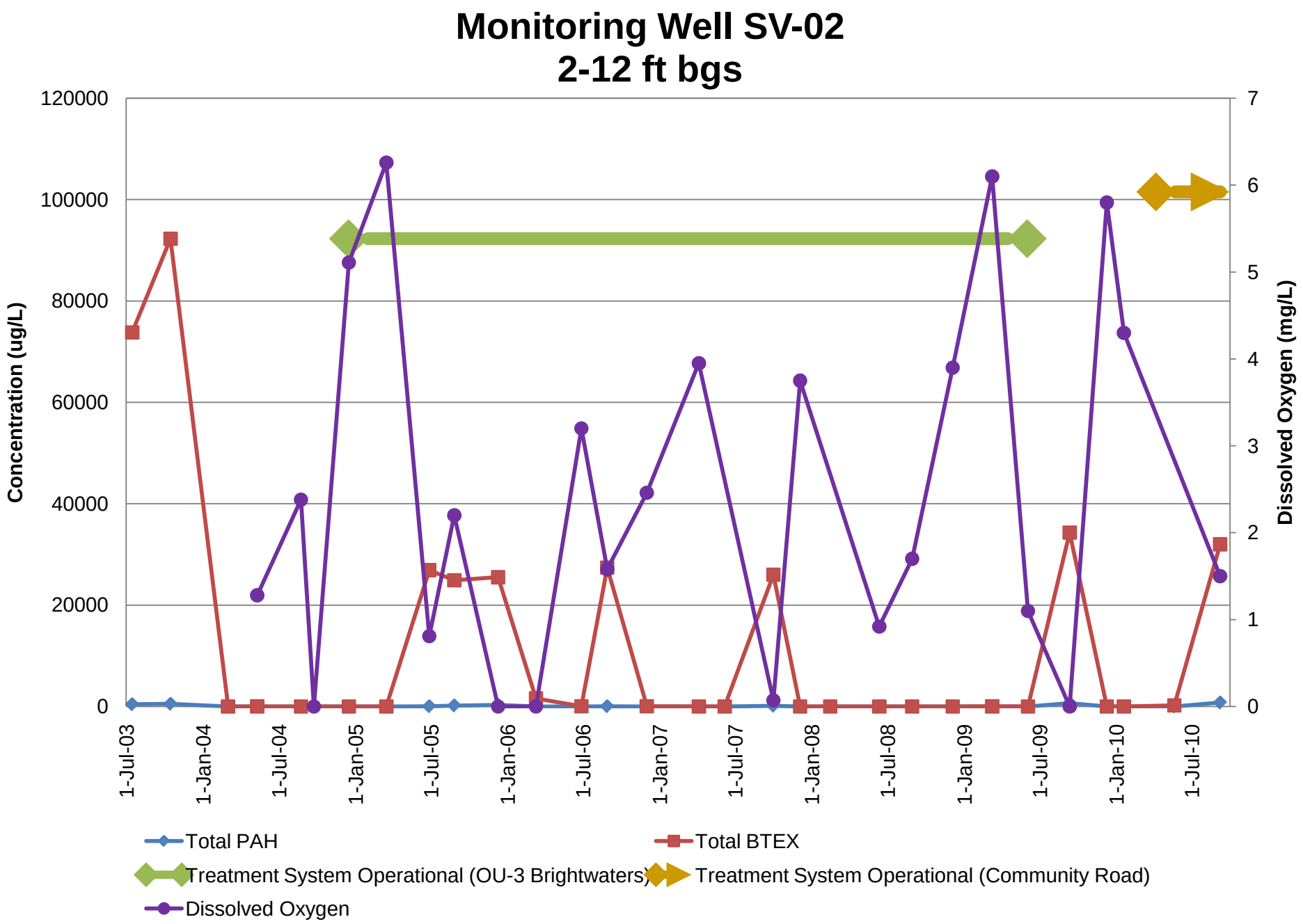

Monitoring Well OU3MW-06
3-13 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
12
10
8
6
4
2
0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
1-Sep-09
1-Oct-09
1-Nov-09
1-Dec-09
1-Jan-10
1-Feb-10
1-Mar-10
1-Apr-10
1-May-10
1-Jun-10
1-Jul-10
1-Aug-10
1-Sep-10
Total PAH
Total BTEX
Treatment System Operational (OU-3 Union Blvd)
Treatment System Operational (Community Road)
Dissolved Oxygen

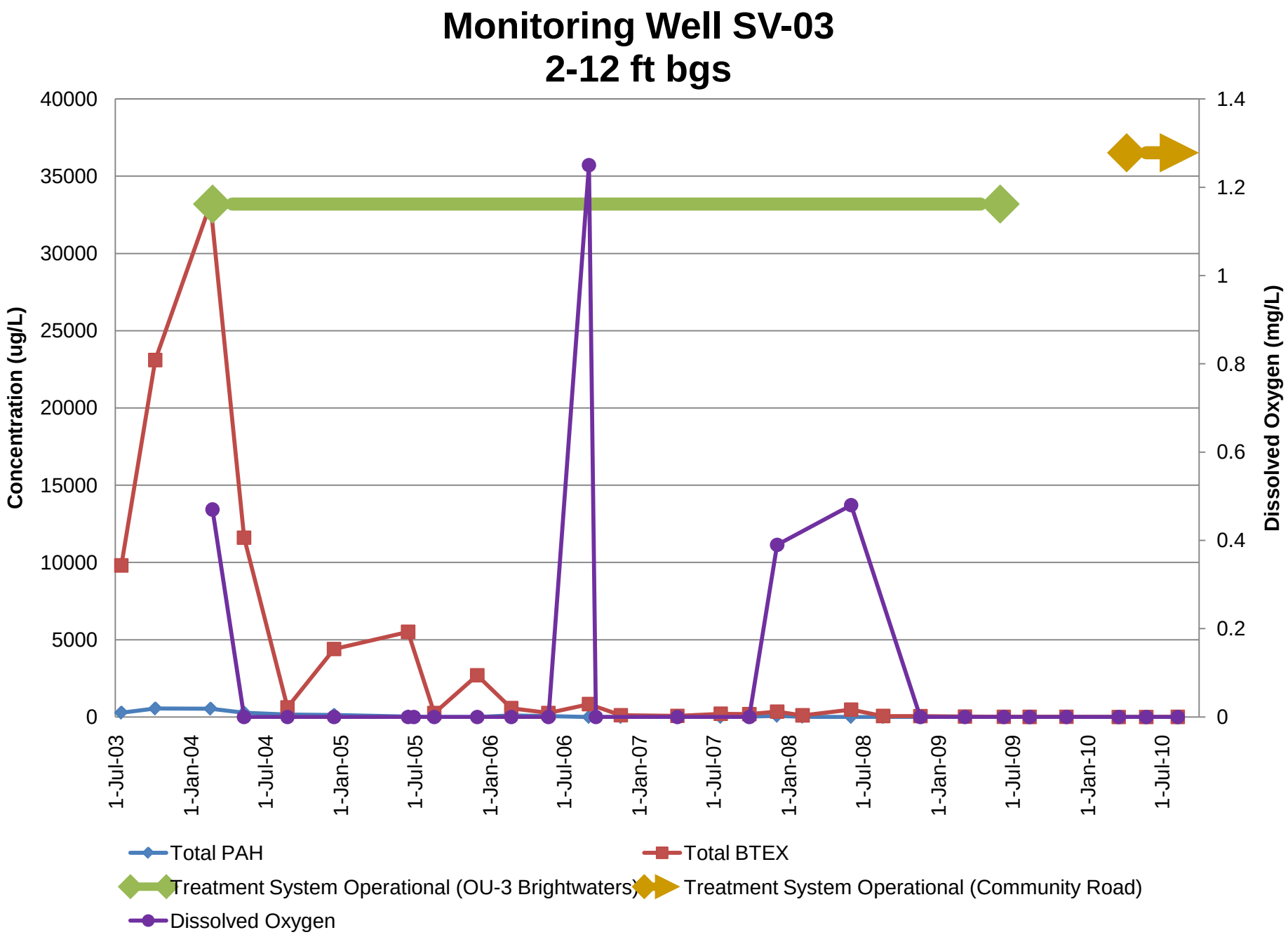

Monitoring Well OU3MW-07S
3-13 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
4000
3500
3000
2500
2000
1500
1000
500
0
4
3.5
3
2.5
2
1.5
1
0.5
0
1-Mar-10
1-Apr-10
1-May-10
1-Jun-10
1-Jul-10
1-Aug-10
1-Sep-10
Total PAH
Total BTEX
Treatment System Operational (Community Road)
Dissolved Oxygen


Monitoring Well OU3MW-07I
15-20 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
1.2
1
0.8
0.6
0.4
0.2
0
35
30
25
20
15
10
5
0
1-Mar-10
1-Apr-10
1-May-10
1-Jun-10
1-Jul-10
1-Aug-10
1-Sep-10
Total PAH
Total BTEX
Treatment System Operational (Community Road)
Dissolved Oxygen

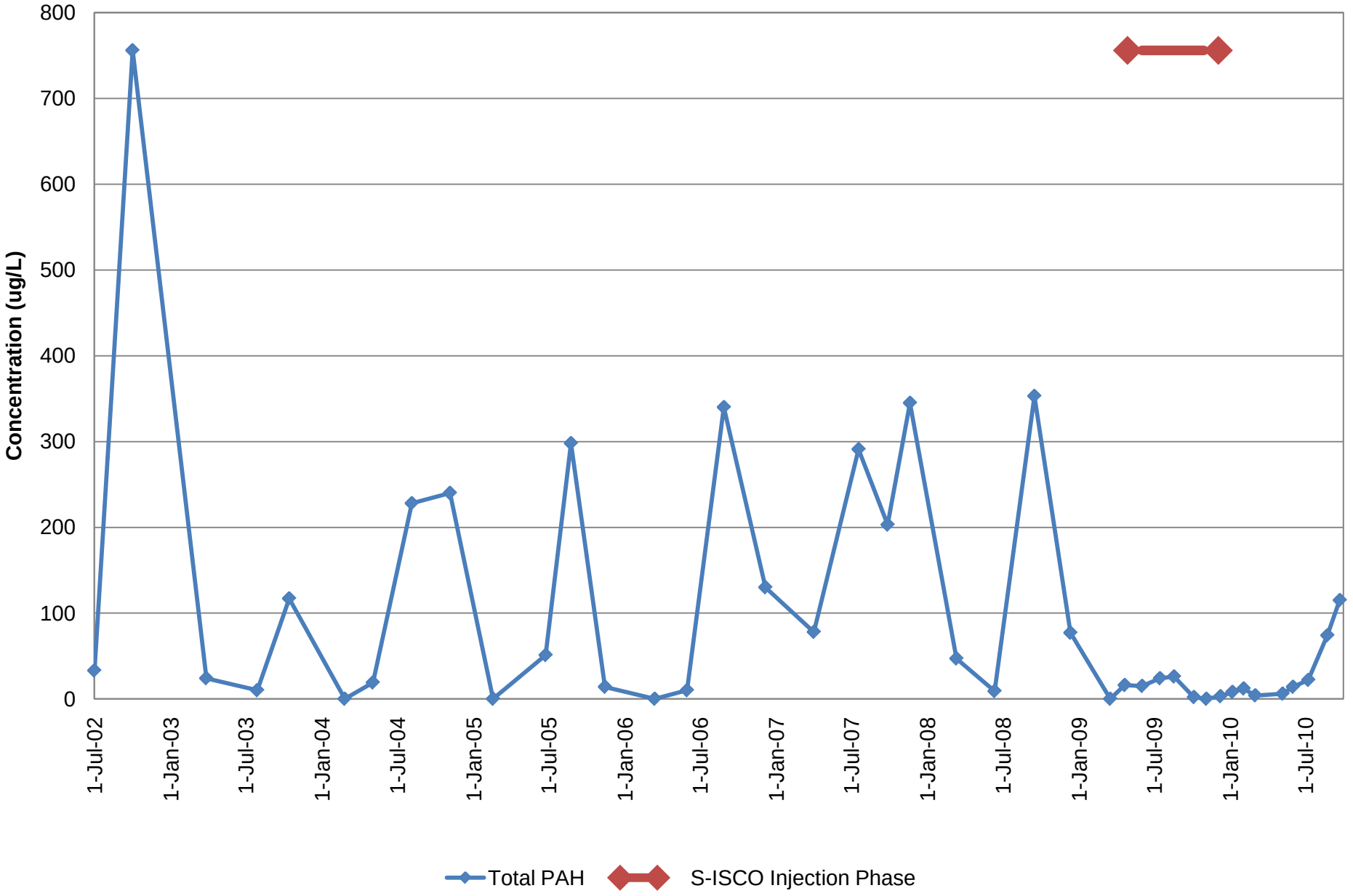

Monitoring Well OU3MW-07I2
20-25 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
1.2
1
0.8
0.6
0.4
0.2
0
9
8
7
6
5
4
3
2
1
0
1-Mar-10
1-Apr-10
1-May-10
1-Jun-10
1-Jul-10
1-Aug-10
1-Sep-10
Total PAH
Total BTEX
Treatment System Operational (Community Road)
Dissolved Oxygen


Monitoring Well PDMW-01
5-20 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
40
35
30
25
20
15
10
5
0
1-Jul-03
1-Jan-04
1-Jul-04
1-Jan-05
1-Jul-05
1-Jan-06
1-Jul-06
1-Jan-07
1-Jul-07
1-Jan-08
1-Jul-08
1-Jan-09
1-Jul-09
1-Jan-10
1-Jul-10
Total PAH
Total BTEX
Treatment System Operational (OU-3 Brightwaters)
Treatment System Operational (Community Road)
Dissolved Oxygen

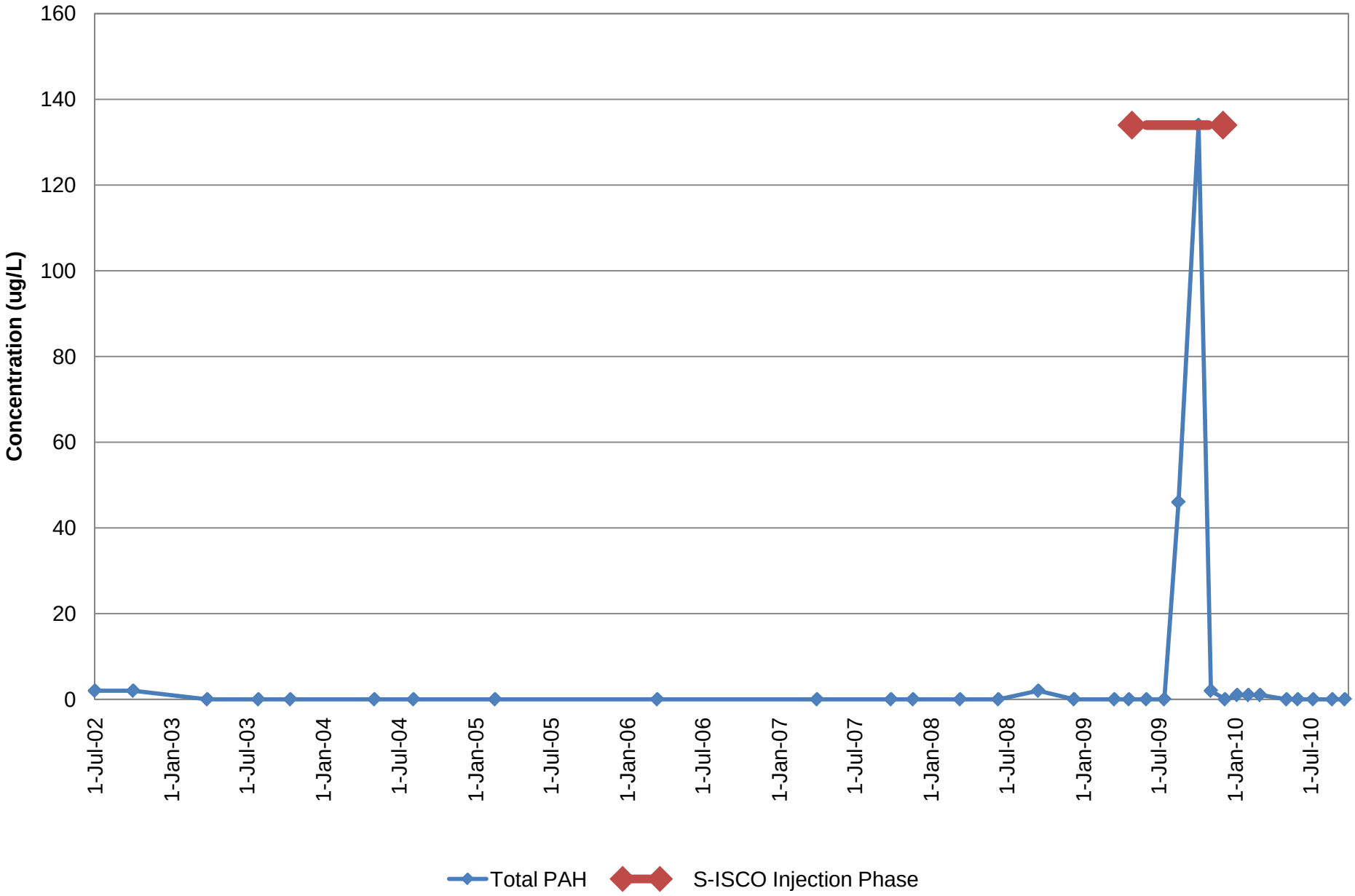

Monitoring Well SV-02
2-12 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
120000
100000
80000
60000
40000
20000
0
7
6
5
4
3
2
1
0
1-Jul-03
1-Jan-04
1-Jul-04
1-Jan-05
1-Jul-05
1-Jan-06
1-Jul-06
1-Jan-07
1-Jul-07
1-Jan-08
1-Jul-08
1-Jan-09
1-Jul-09
1-Jan-10
1-Jul-10
Total PAH
Total BTEX
Treatment System Operational (OU-3 Brightwaters)
Treatment System Operational (Community Road)
Dissolved Oxygen


Monitoring Well SV-03
2-12 ft bgs
Concentration (ug/L)
Dissolved Oxygen (mg/L)
40000
35000
30000
25000
20000
15000
10000
5000
0
1.4
1.2
1
0.8
0.6
0.4
0.2
0
1-Jul-03
1-Jan-04
1-Jul-04
1-Jan-05
1-Jul-05
1-Jan-06
1-Jul-06
1-Jan-07
1-Jul-07
1-Jan-08
1-Jul-08
1-Jan-09
1-Jul-09
1-Jan-10
1-Jul-10
Total PAH
Total BTEX
Treatment System Operational (OU-3 Brightwaters)
Treatment System Operational (Community Road)
Dissolved Oxygen

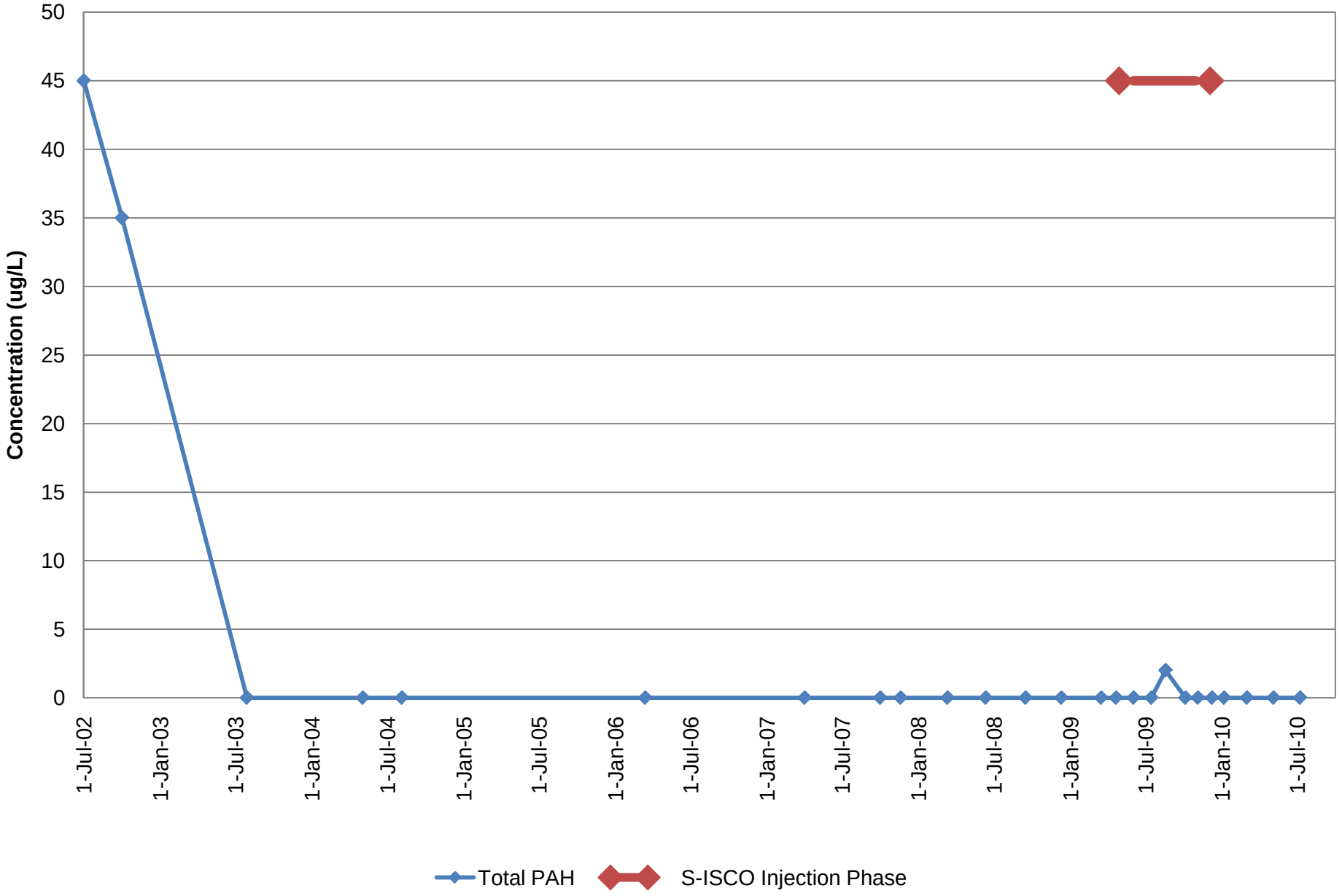
Monitoring Well WCMW-01S
2-12 ft bgs



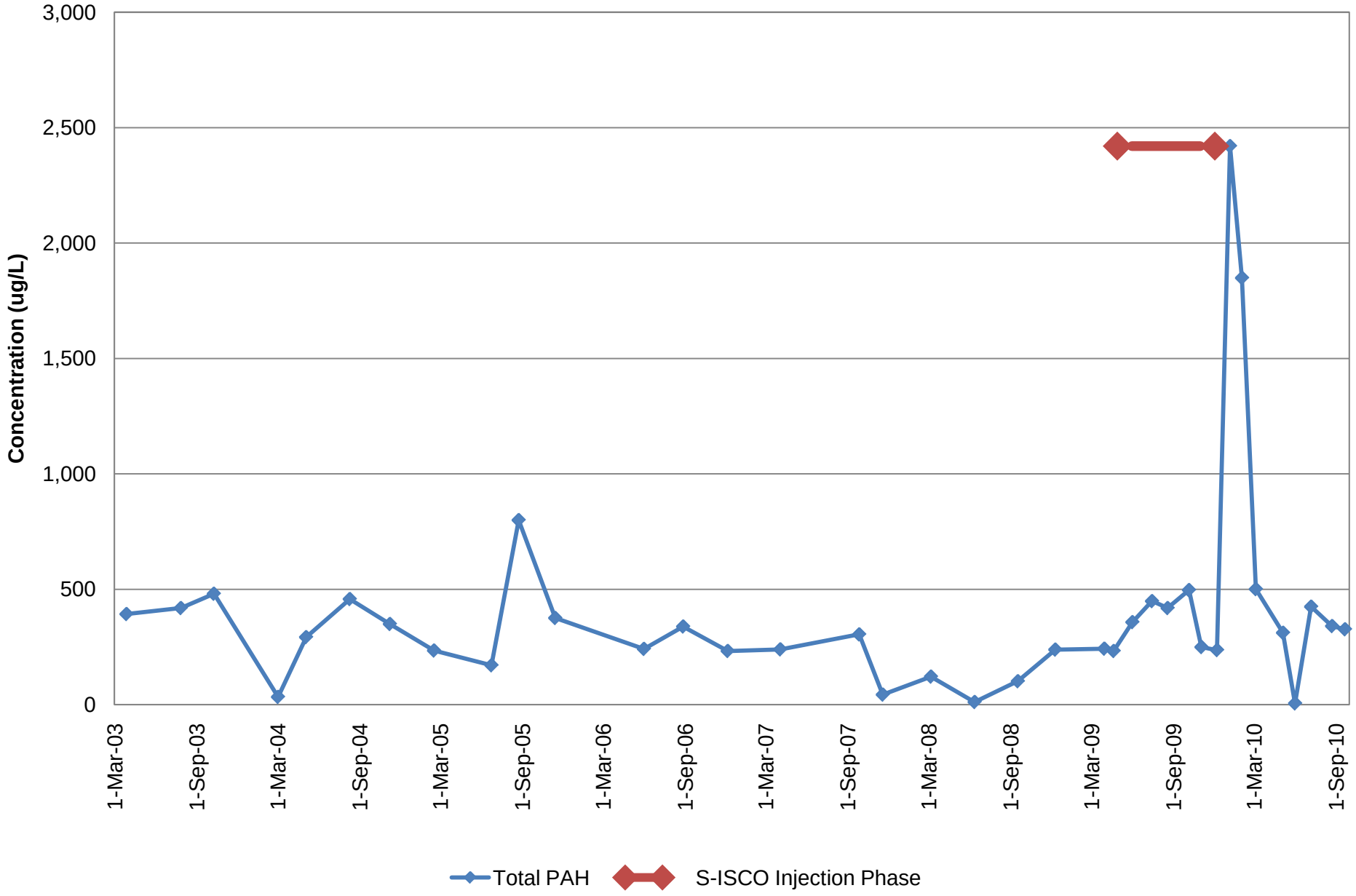
Monitoring Well WCMW-01I
35-45 ft bgs



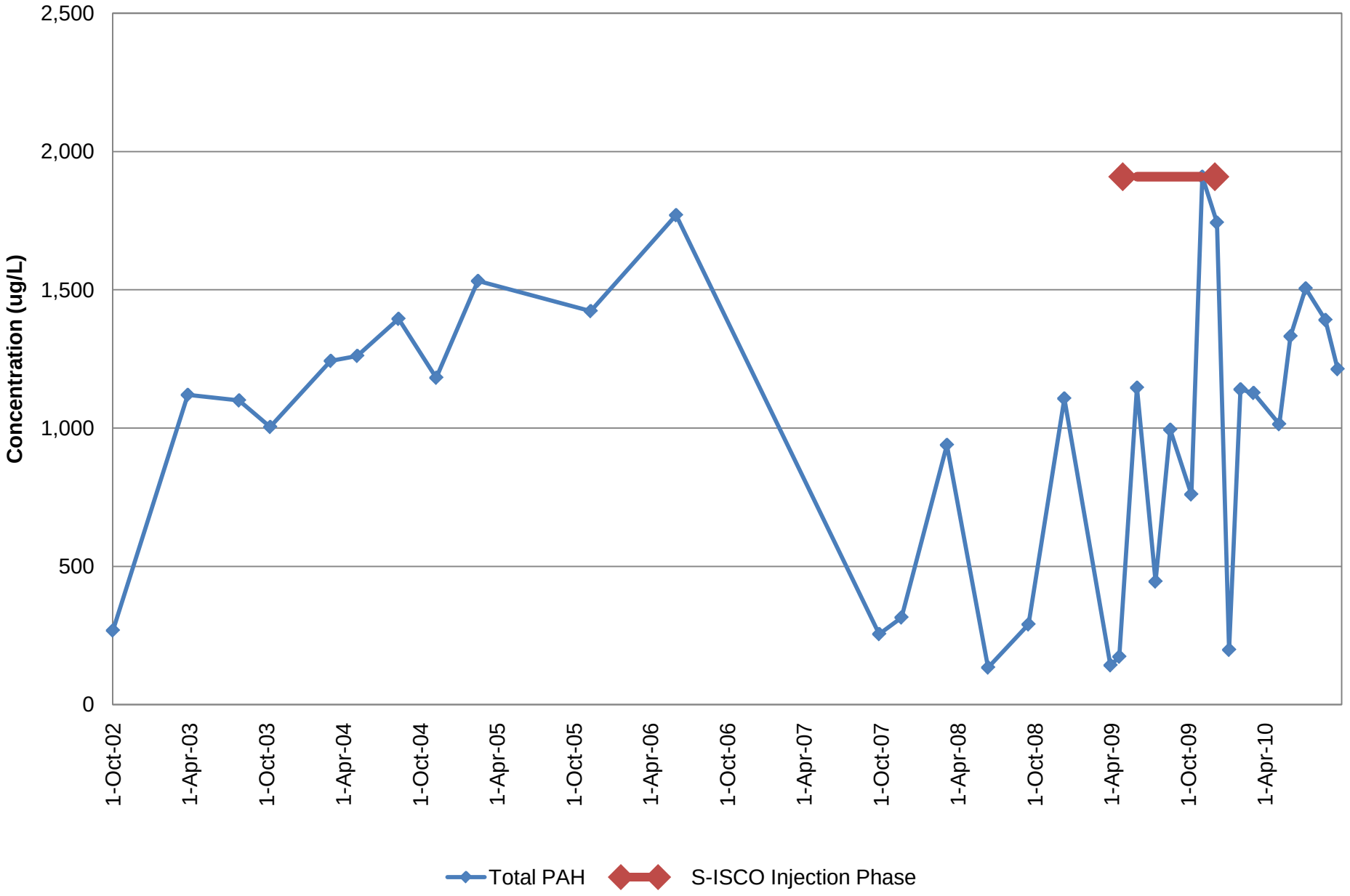
Monitoring Well WCMW-01D
64-74 ft bgs



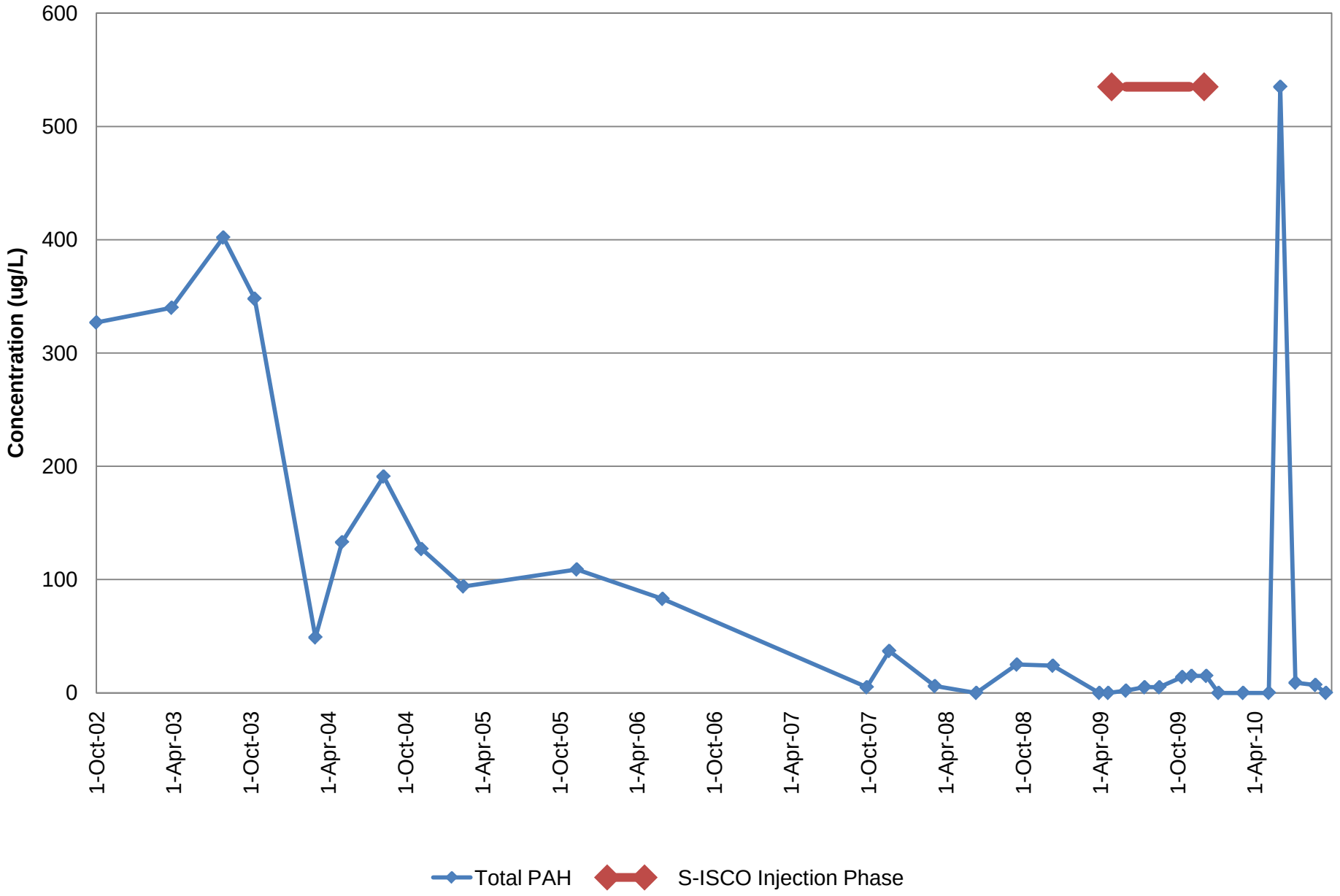
Monitoring Well WCMW-03S
4.83-9.83 ft bgs



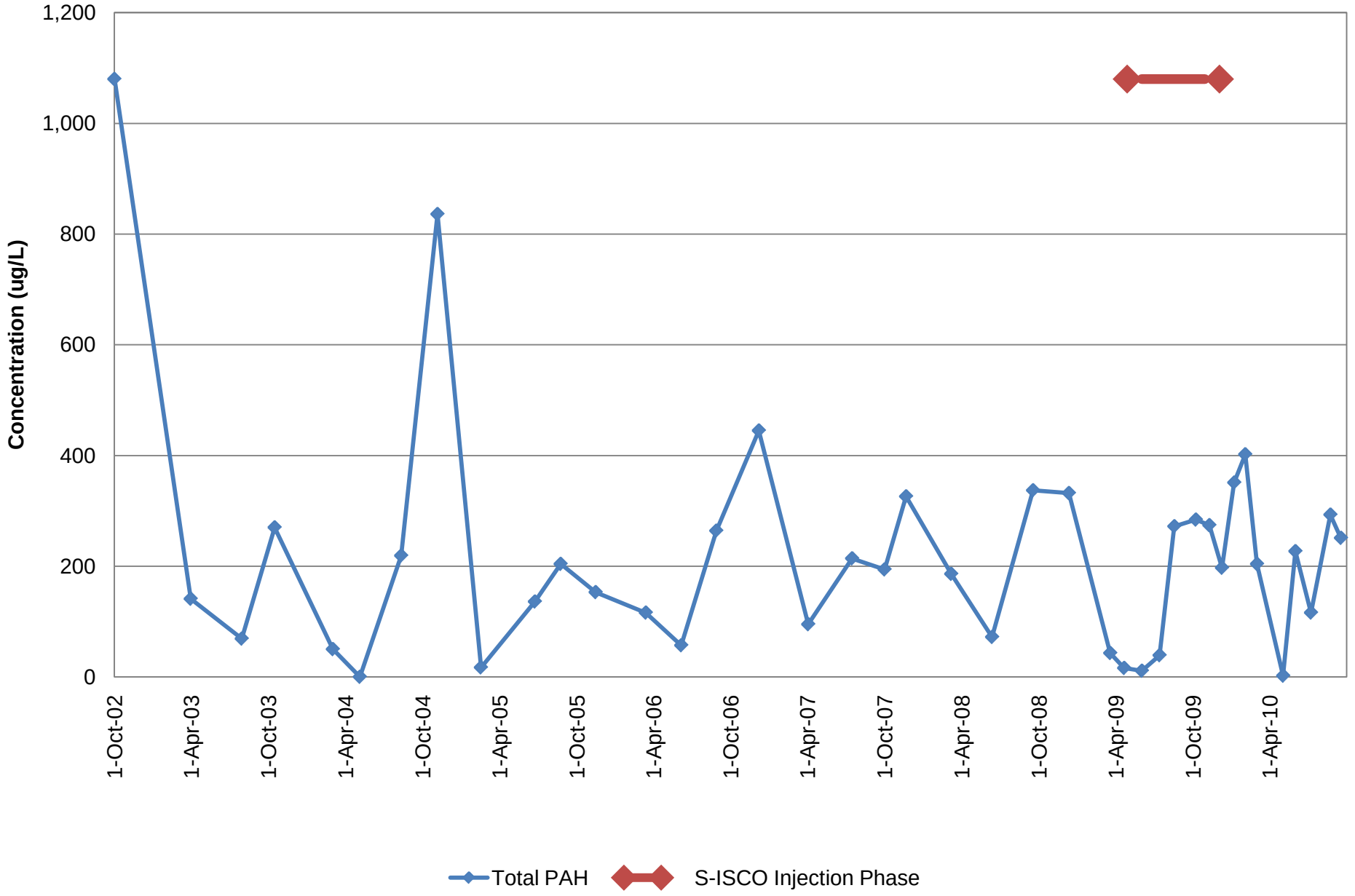
Monitoring Well WCMW-03I
19.4-24.4 ft bgs



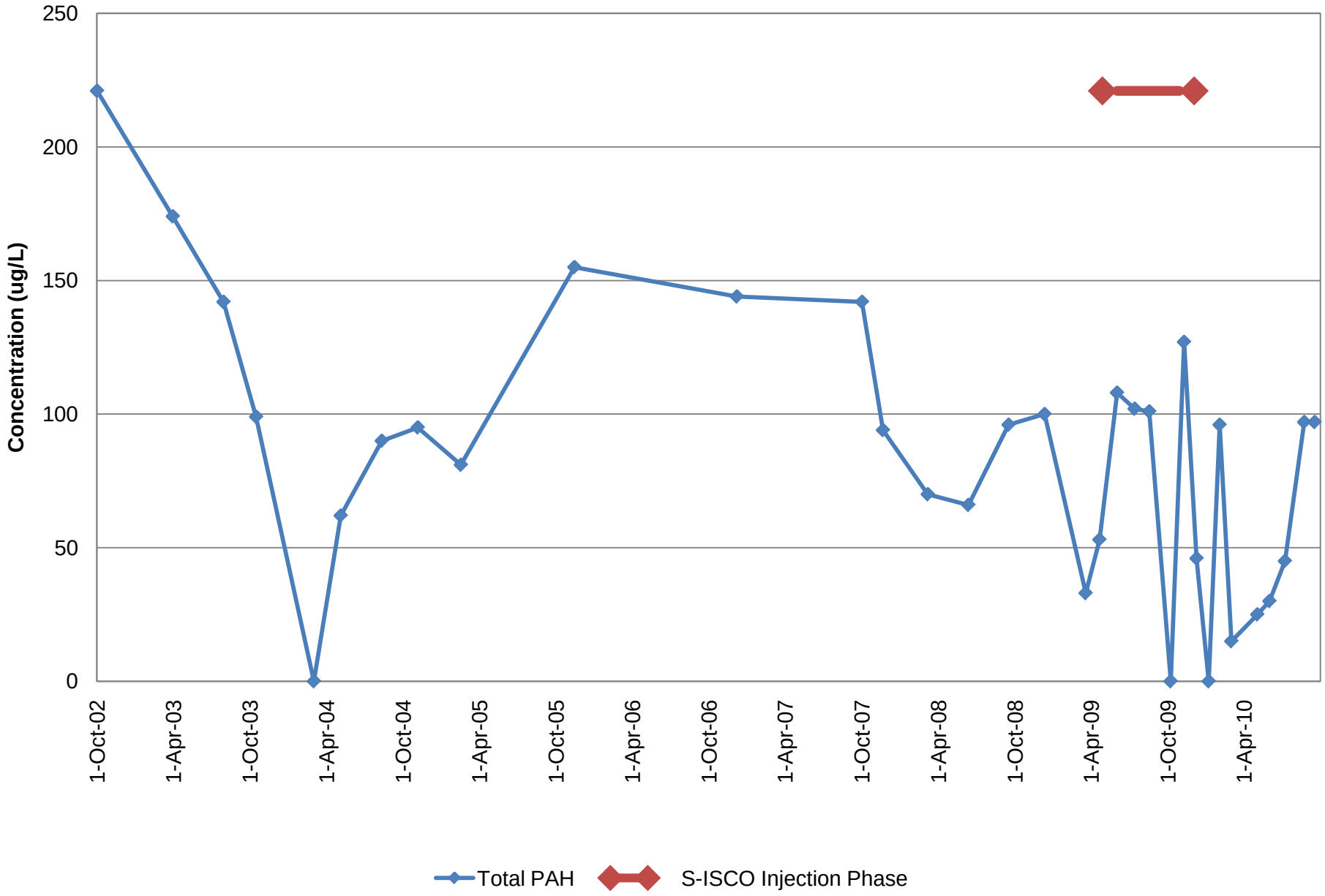
Monitoring Well WCMW-03I2
28.55-33.55 ft bgs



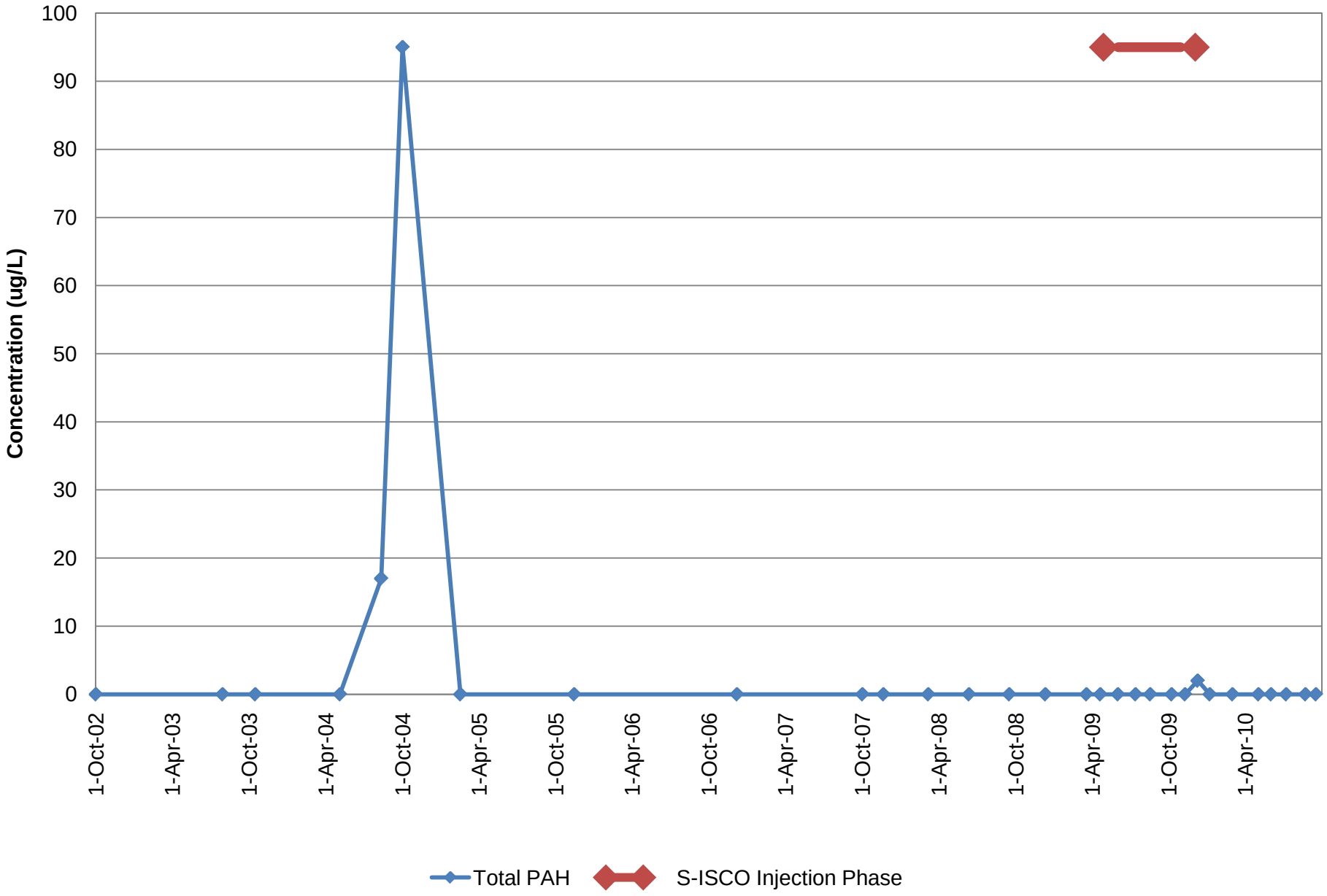
Monitoring Well WCMW-04S
1.6-11.6 ft bgs



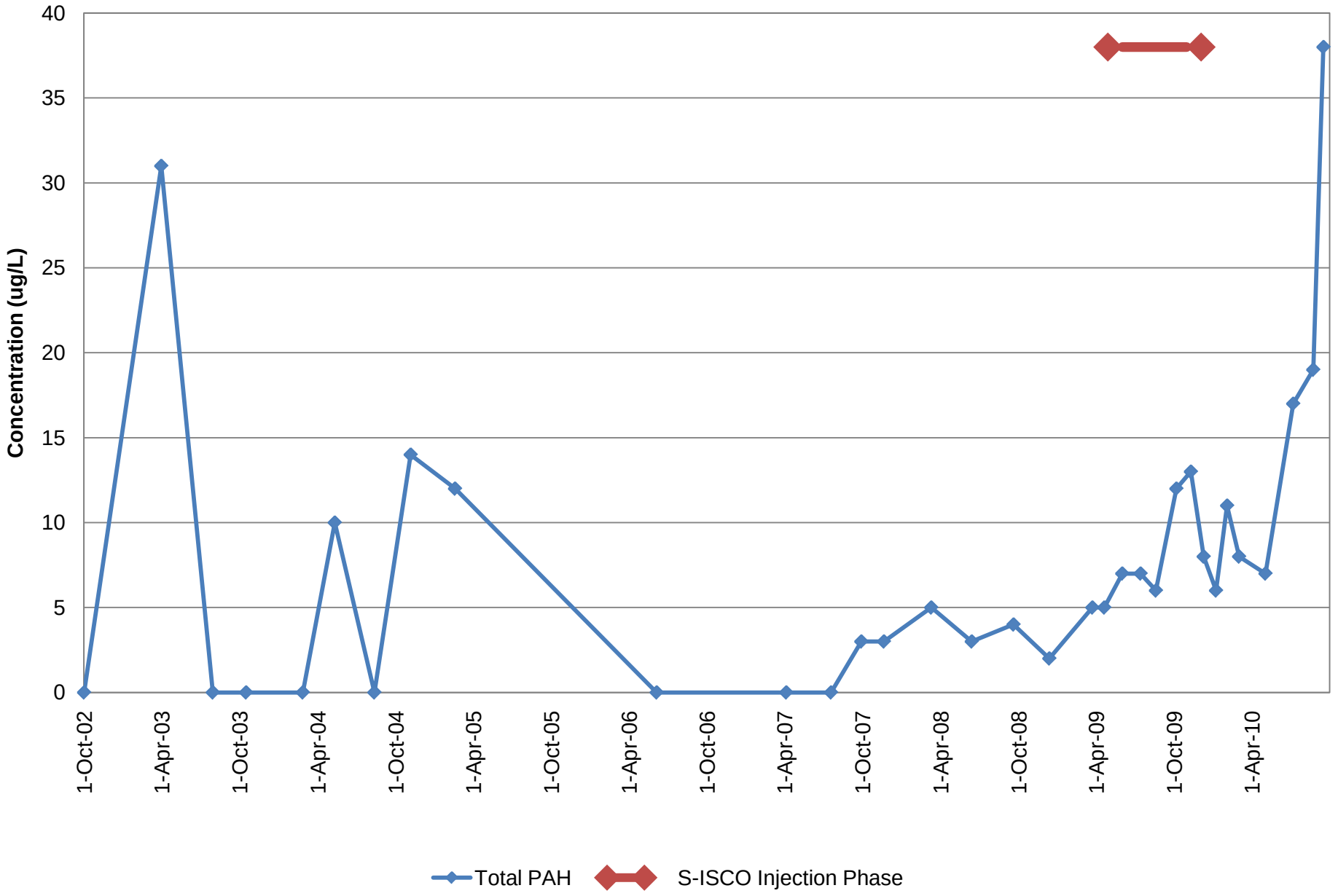
Monitoring Well WCMW-04I
19-24 ft bgs



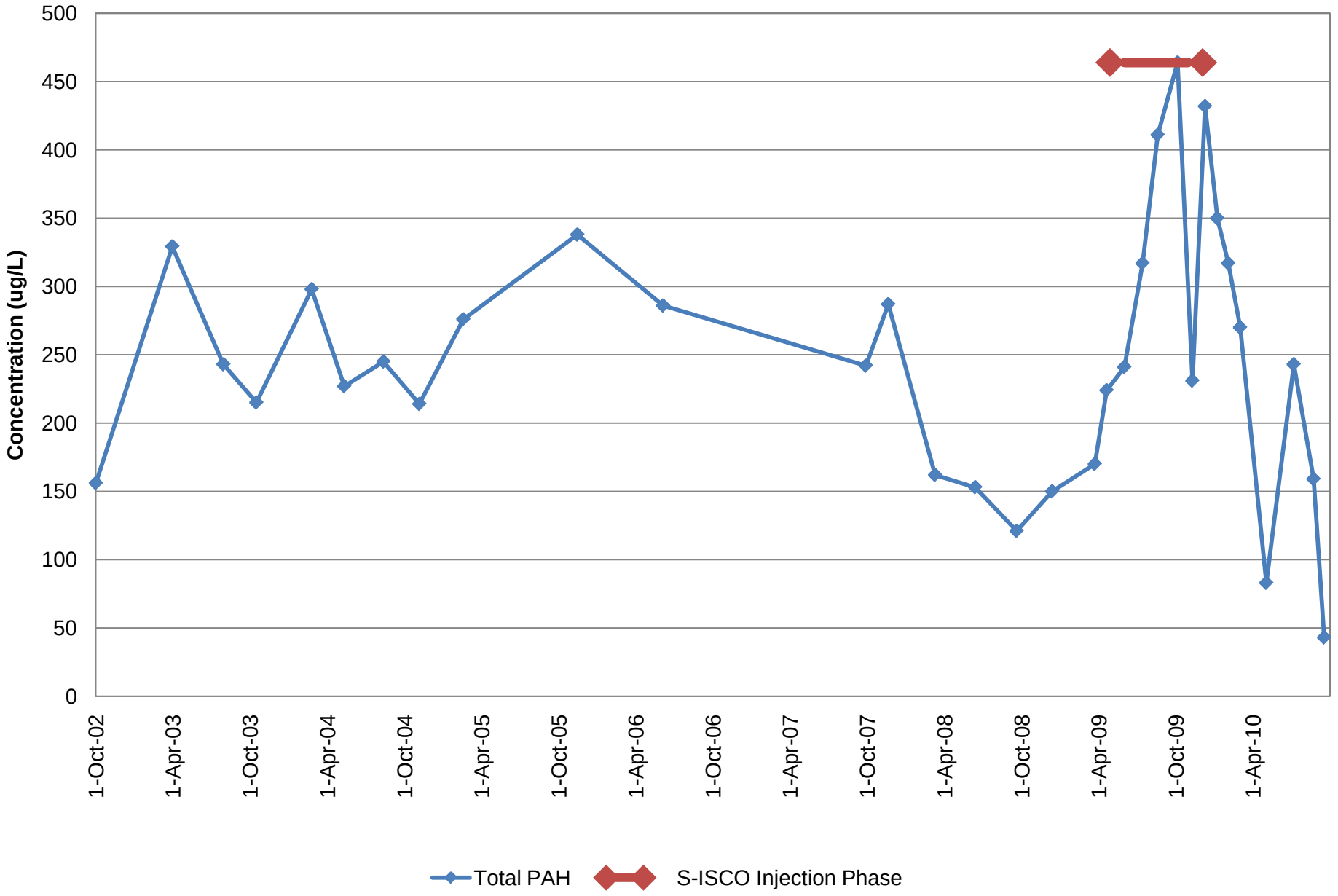
Monitoring Well WCMW-04I2
29.85-34.85 ft bgs



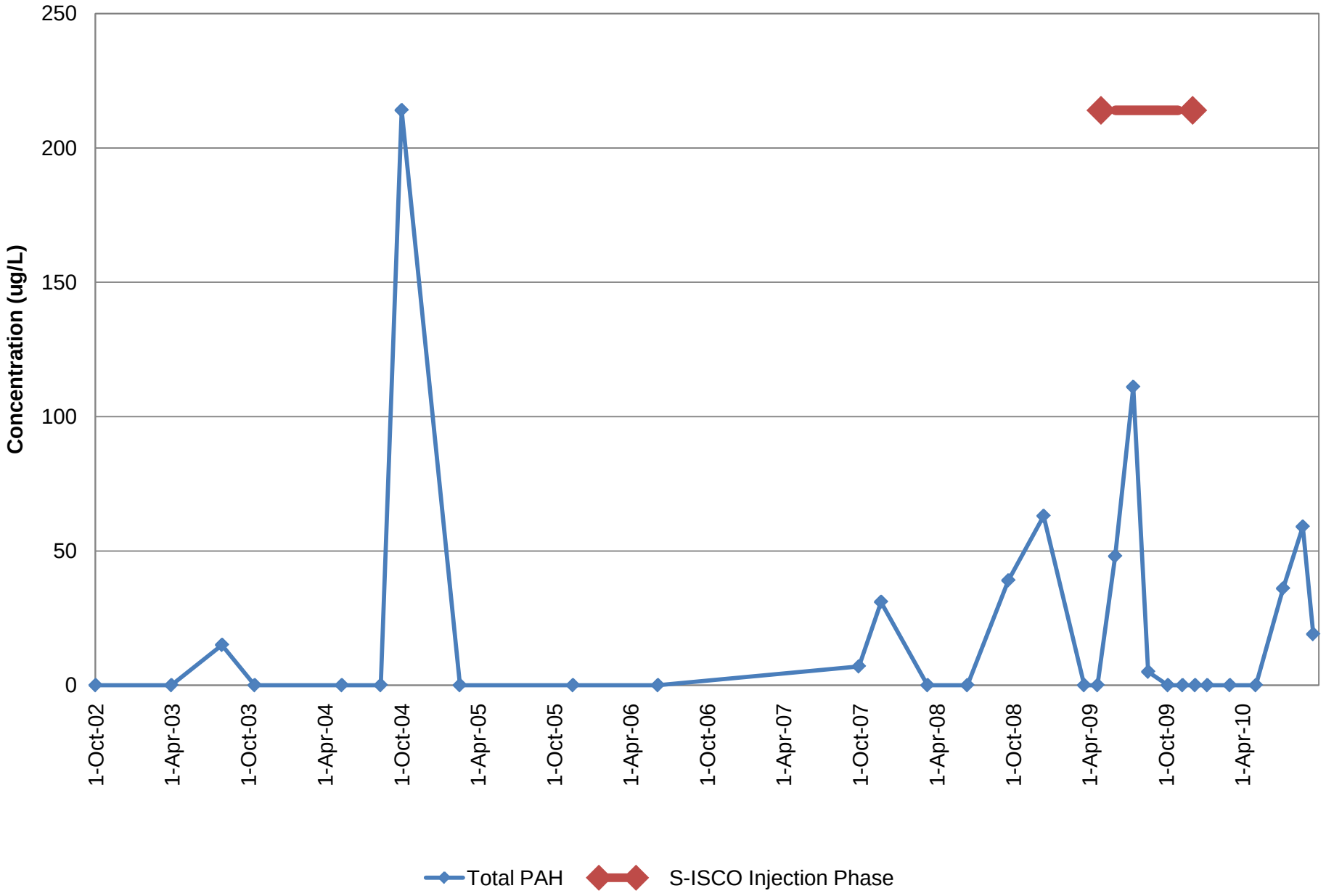
Monitoring Well WCMW-05S
1.15-11.15 ft bgs



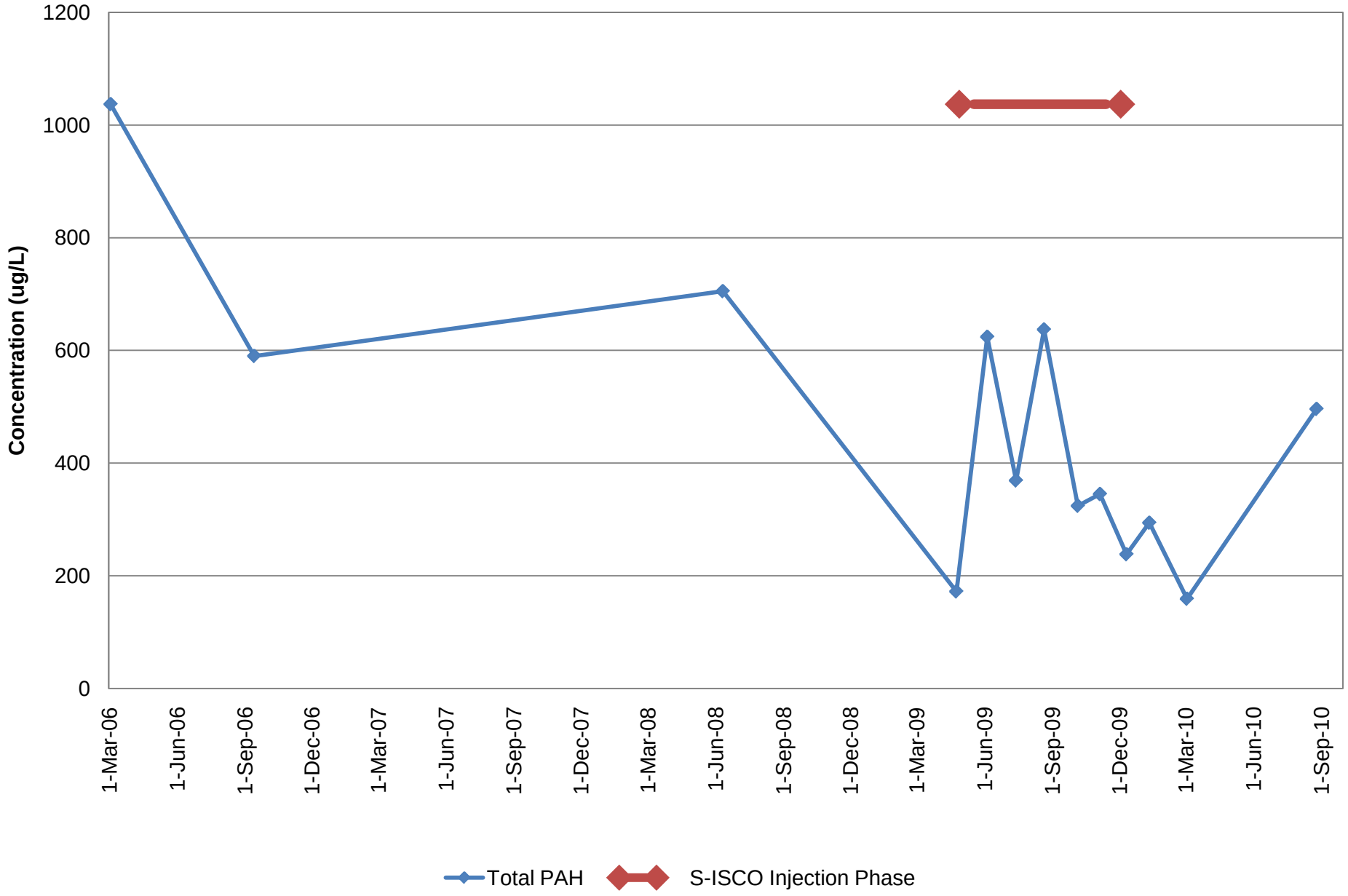
Monitoring Well WCMW-05I
19.61-24.61 ft bgs



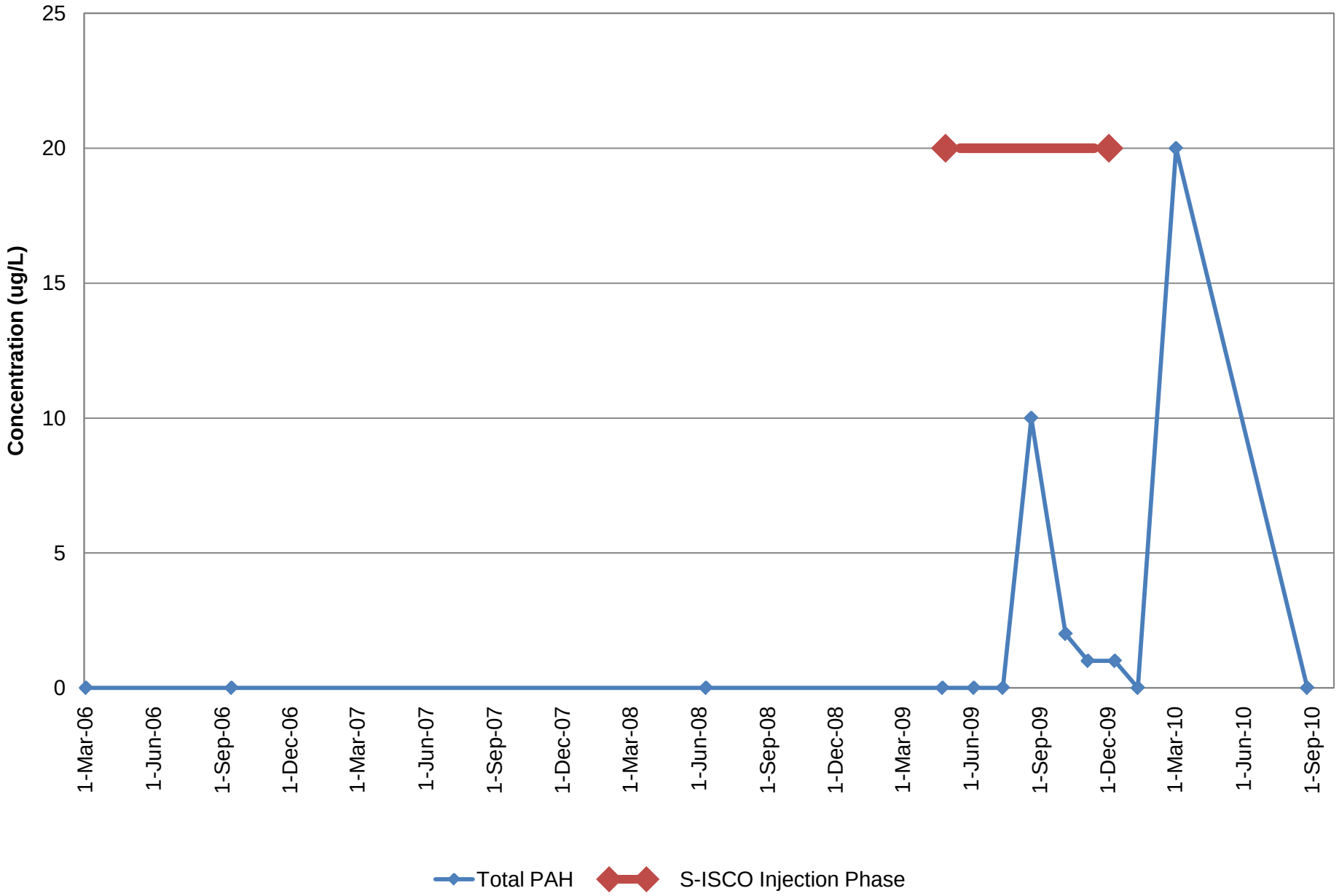
Monitoring Well WCMW-05I2
29.46-34.46 ft bgs



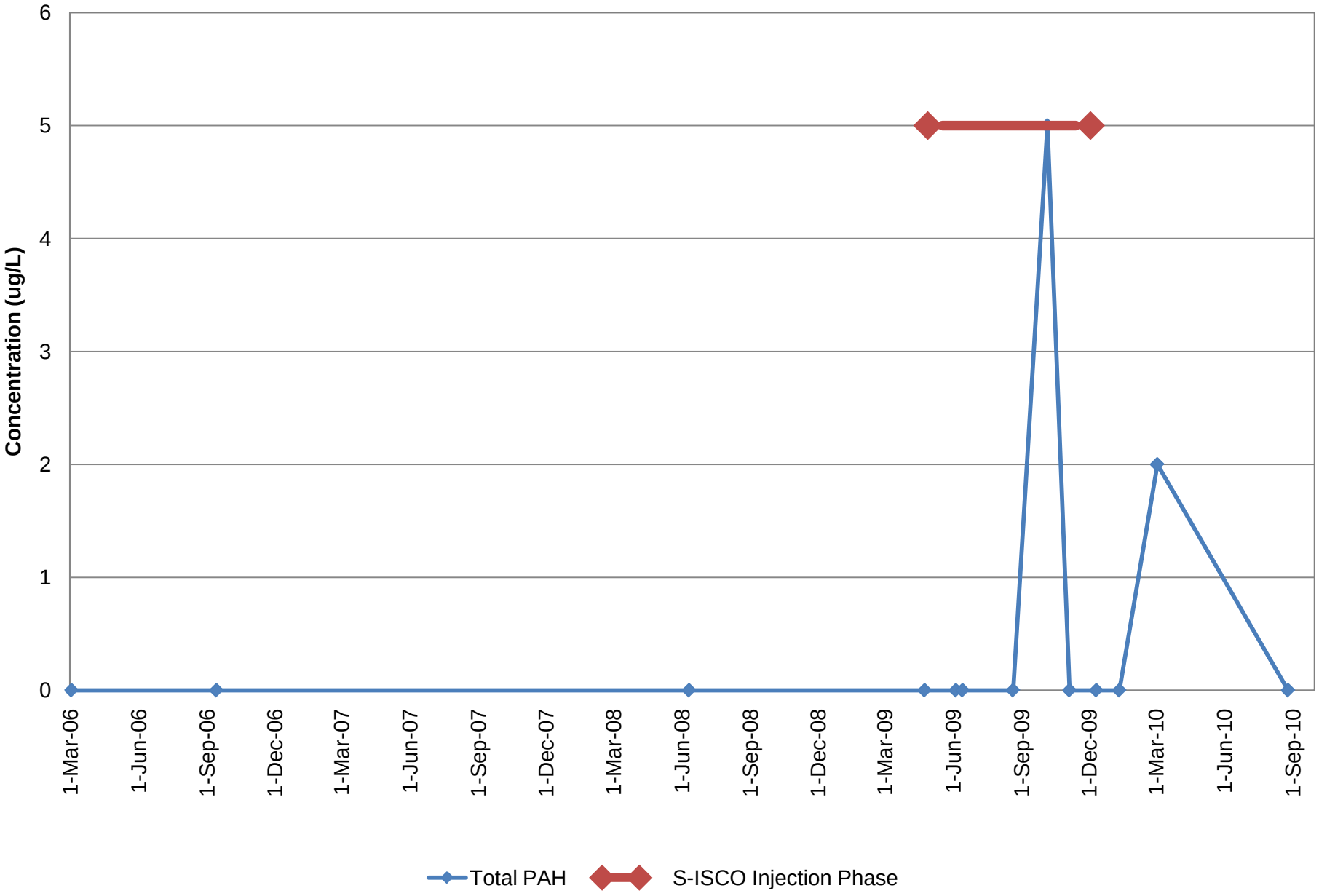
Monitoring Well WCMW-11S
5-15 ft bgs



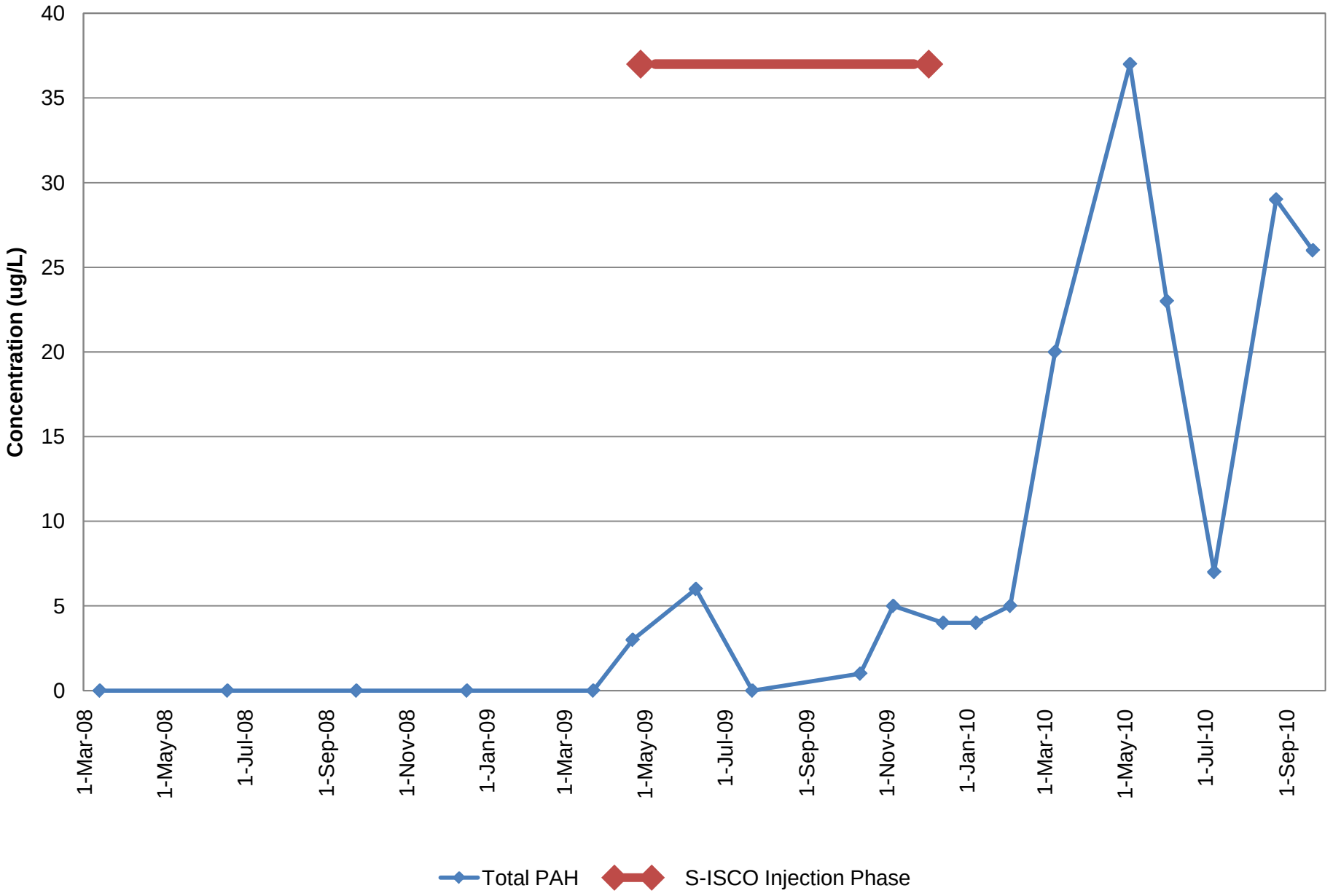
Monitoring Well WCMW-11I
25-35 ft bgs



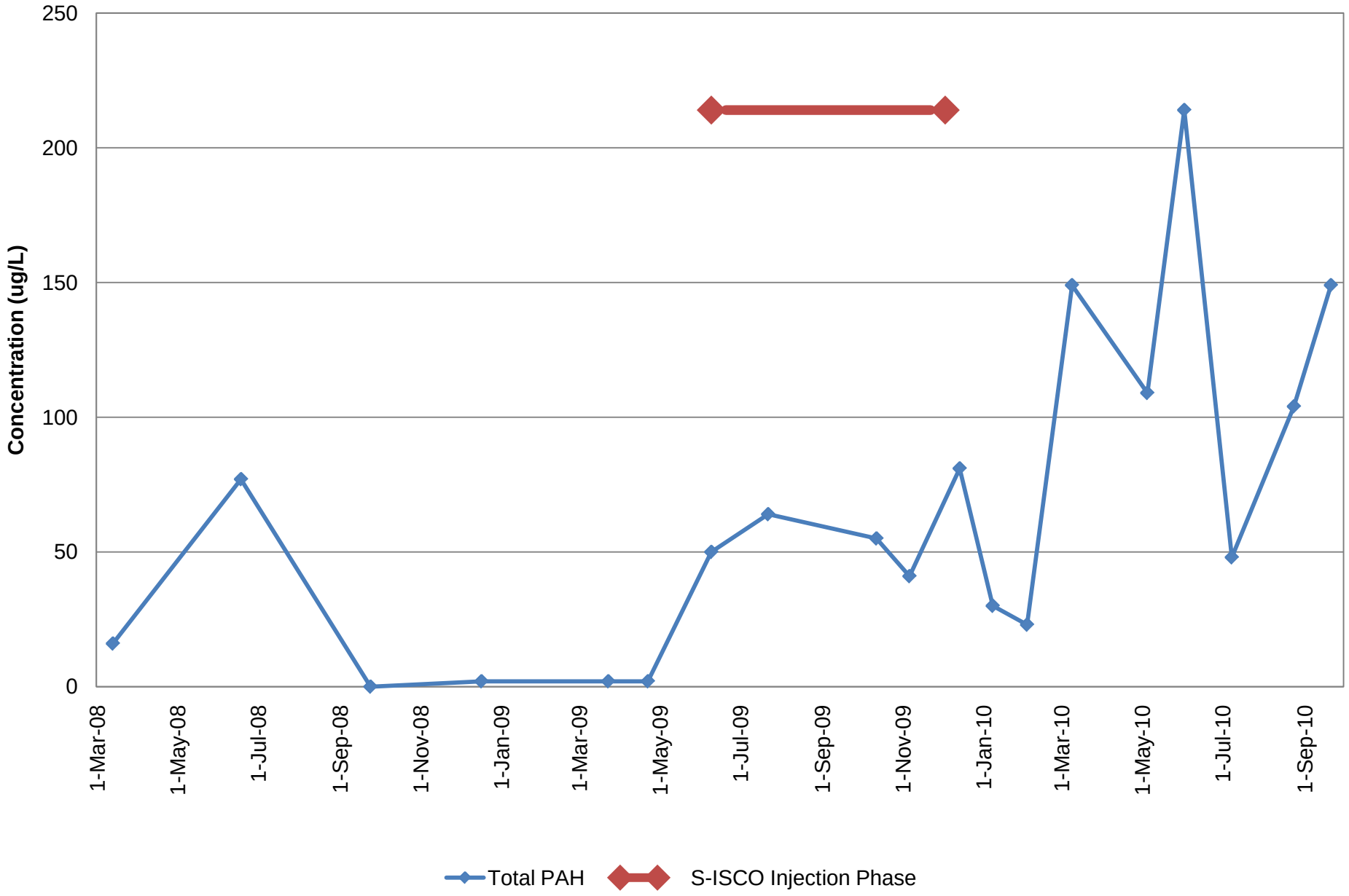
Monitoring Well WCMW-11D
50-60 ft bgs



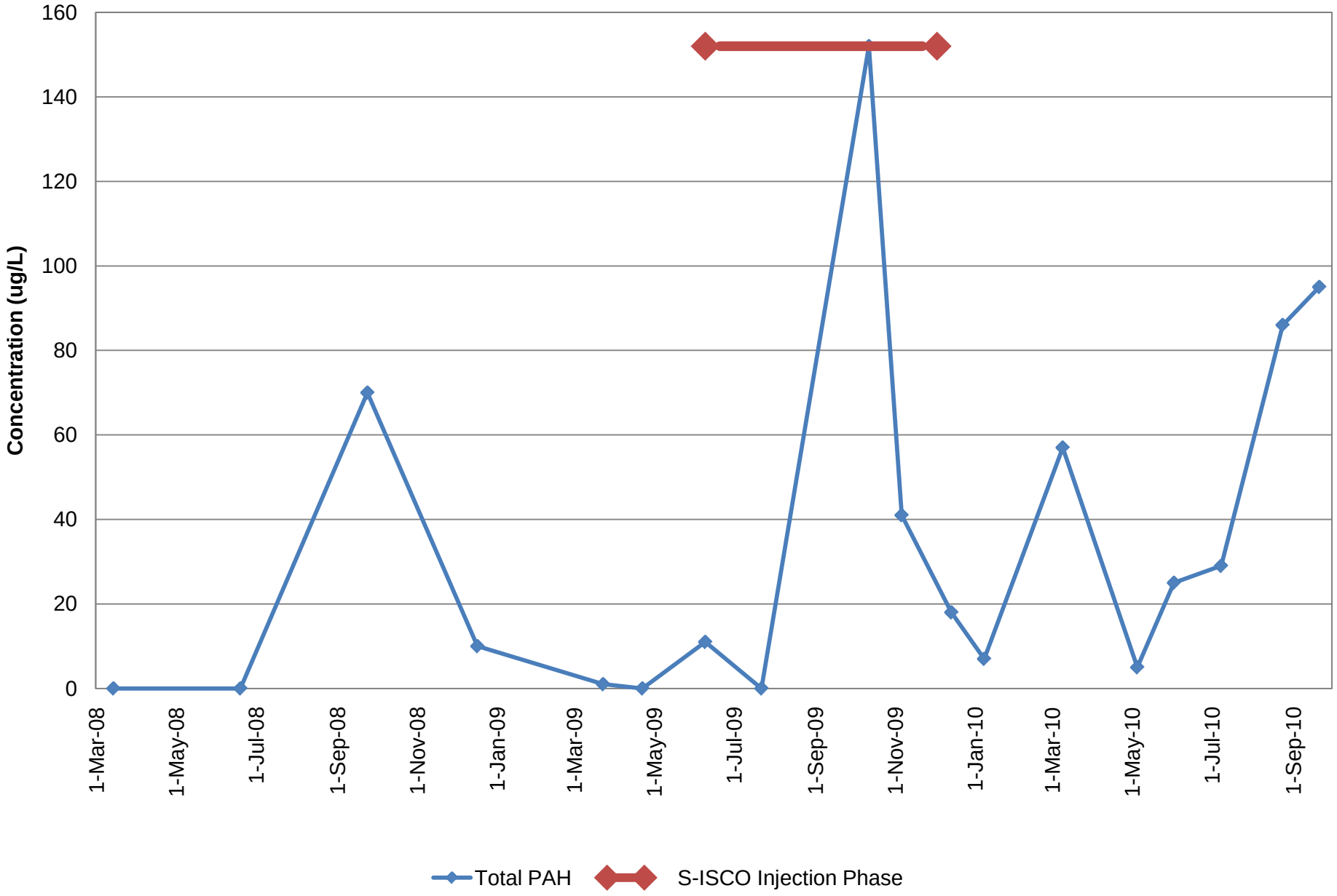
Monitoring Well WCMW-14S
2-12 ft bgs



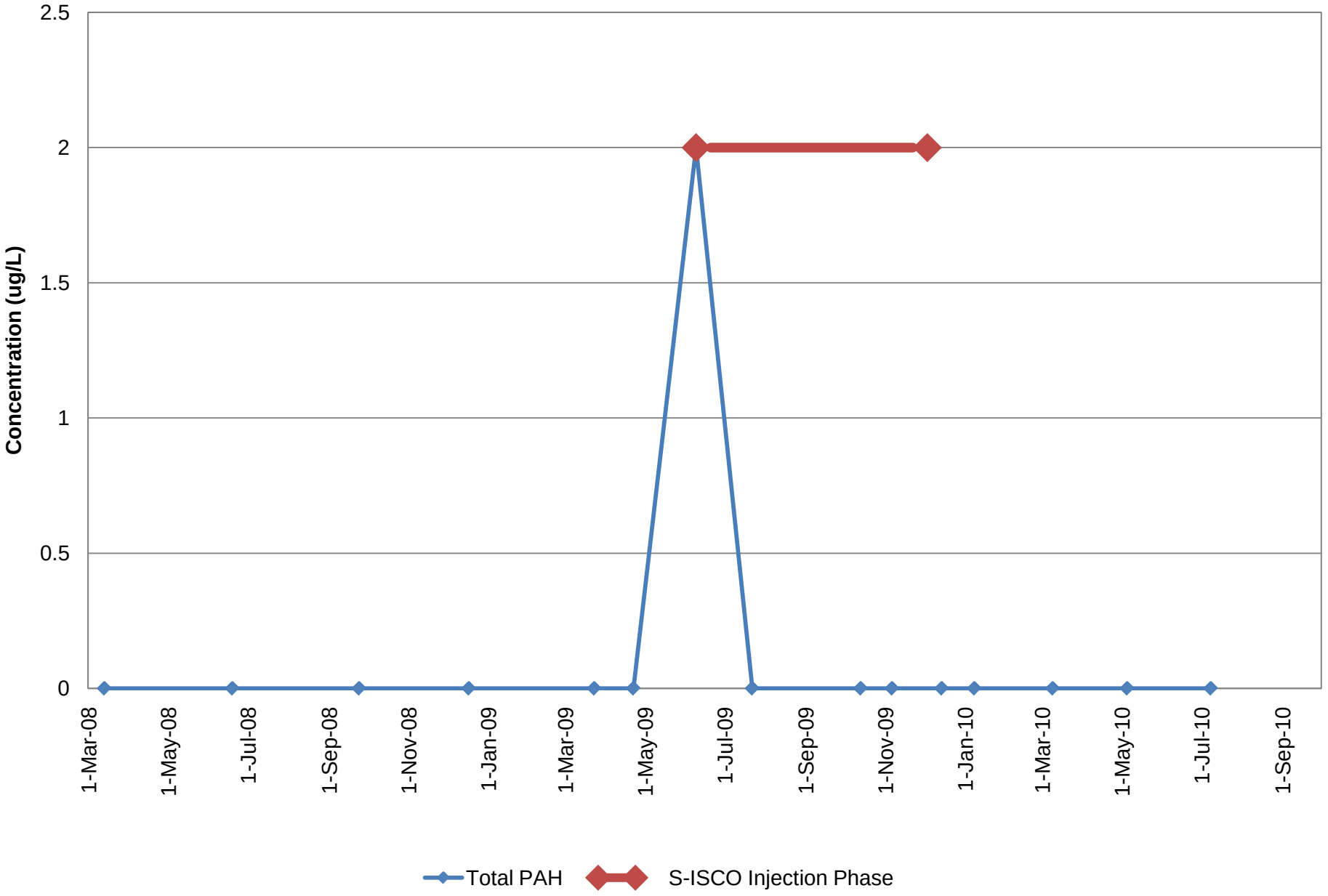
Monitoring Well WCMW-14I
20-25 ft bgs



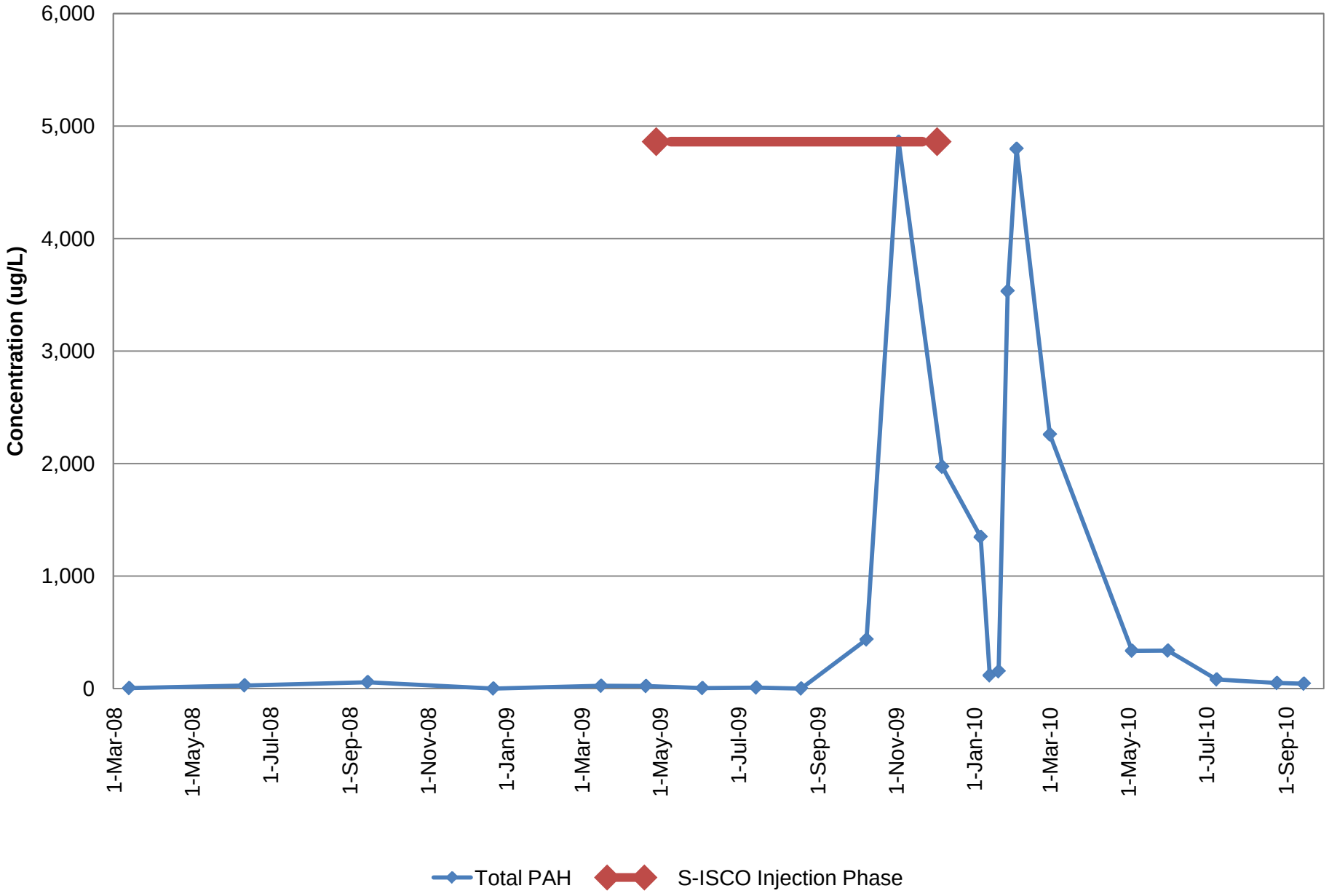
Monitoring Well WCMW-14I2
30-35 ft bgs



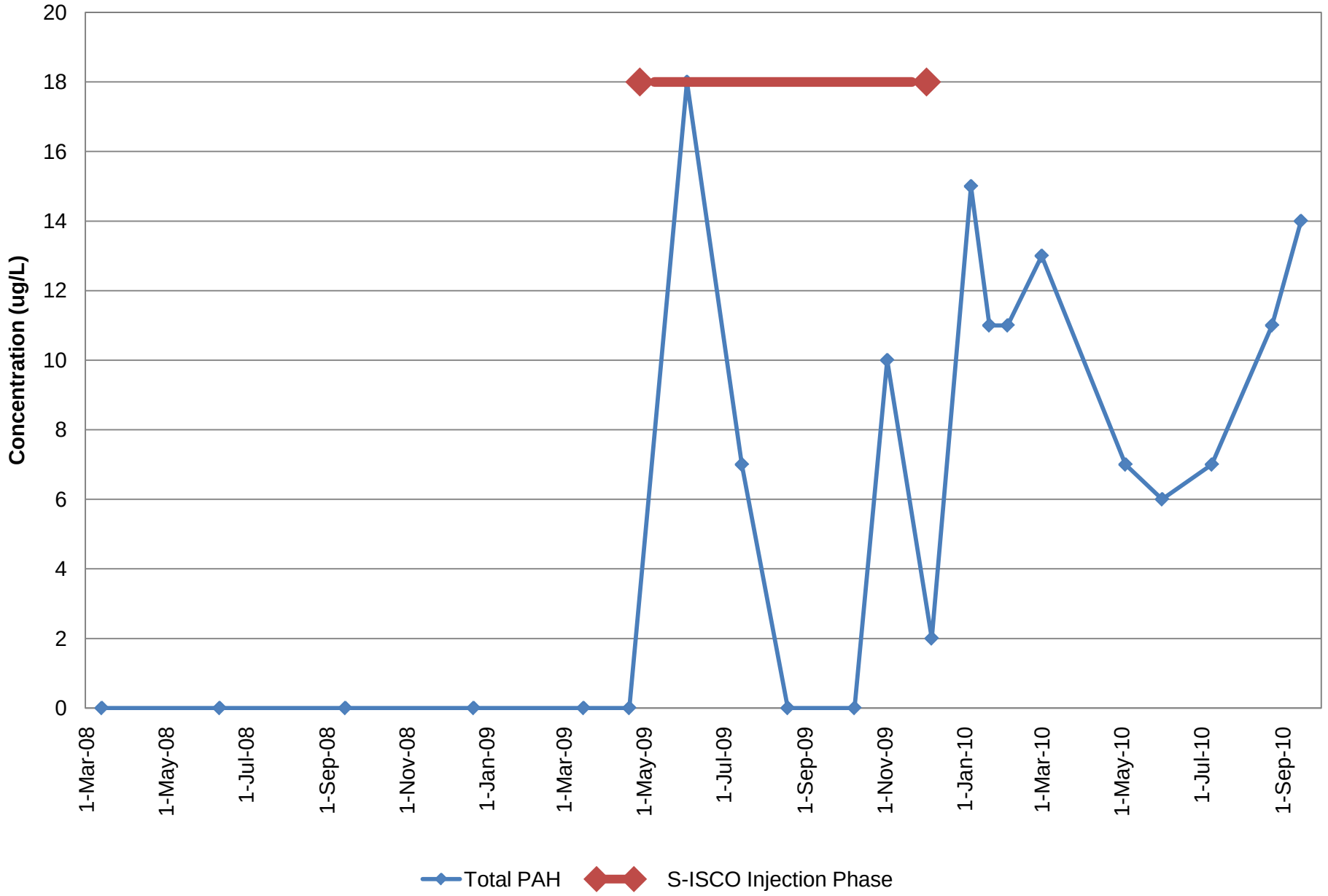
Monitoring Well WCMW-14D
67-72 bgs



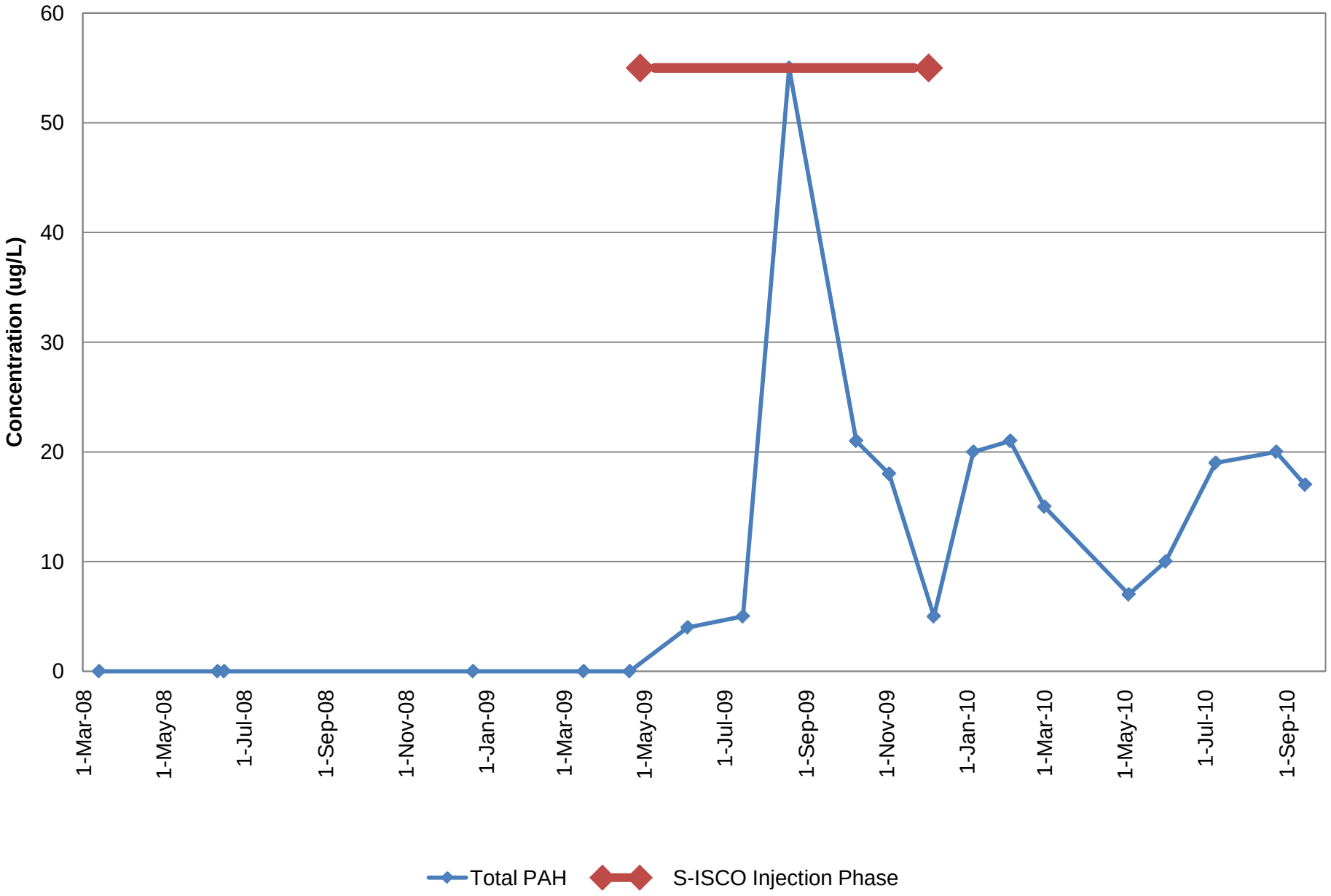
Monitoring Well WCMW-16S
2-12 ft bgs



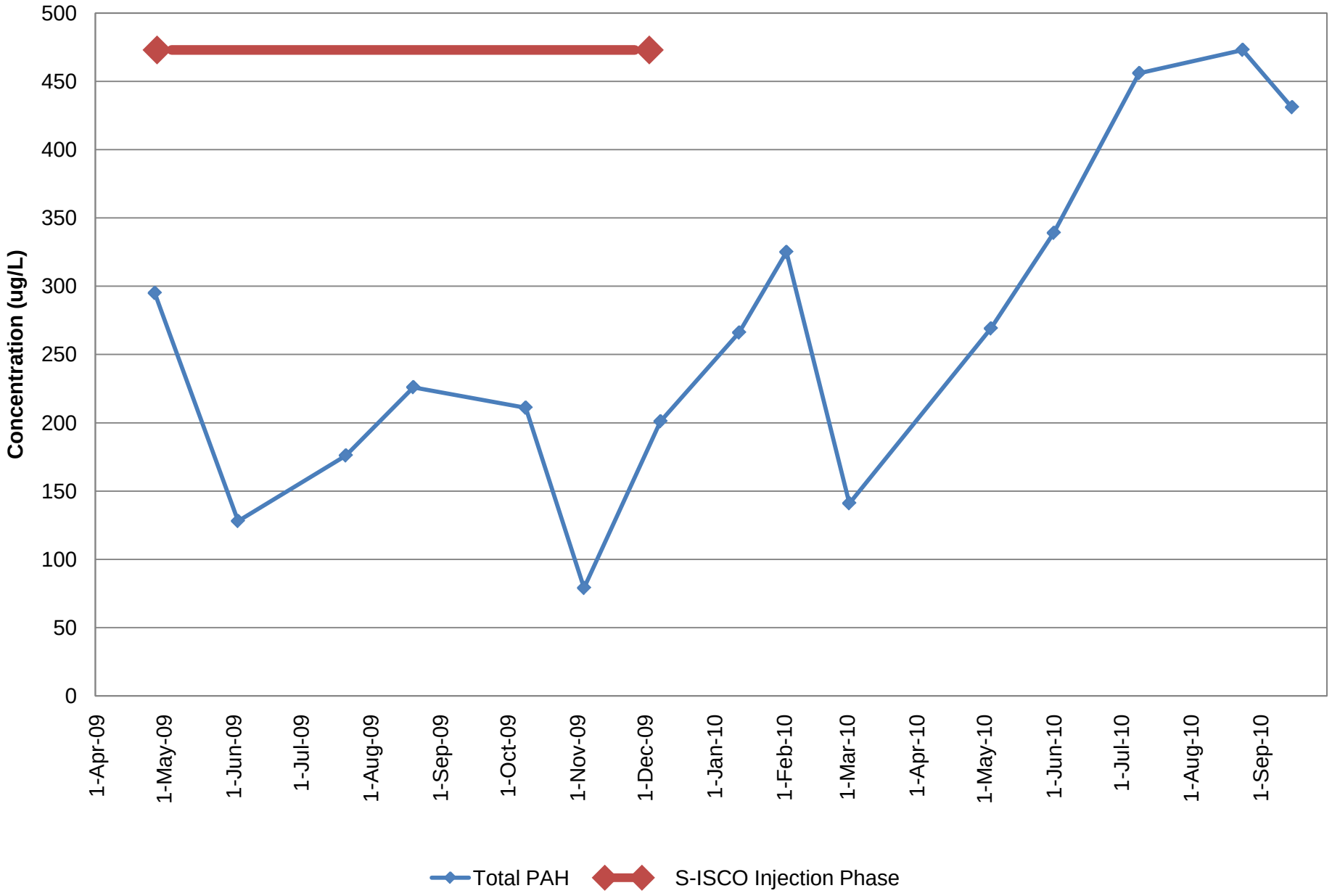
Monitoring Well WCMW-16I
20-25 ft bgs



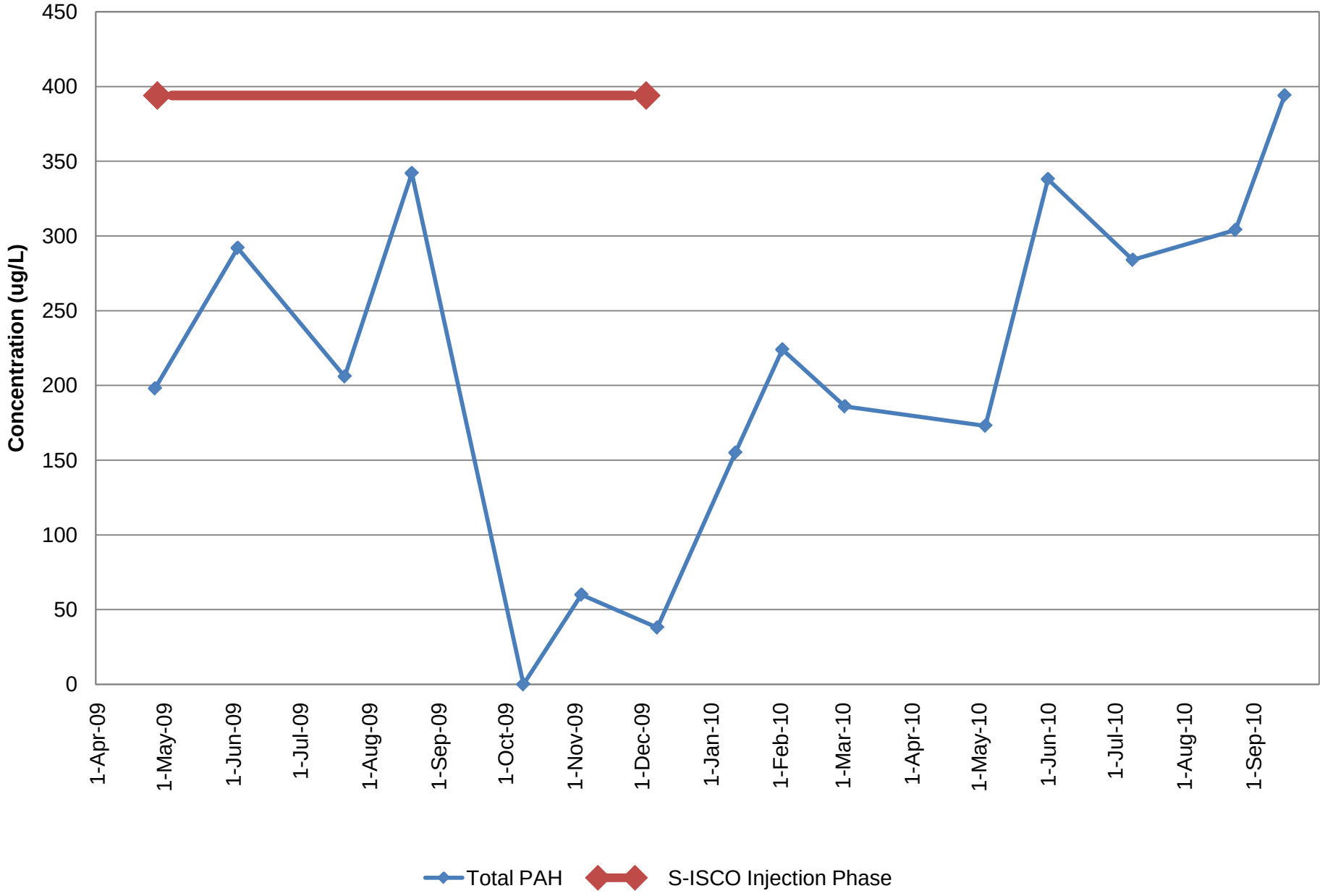
Monitoring Well WCMW-16I2
30-35 ft bgs



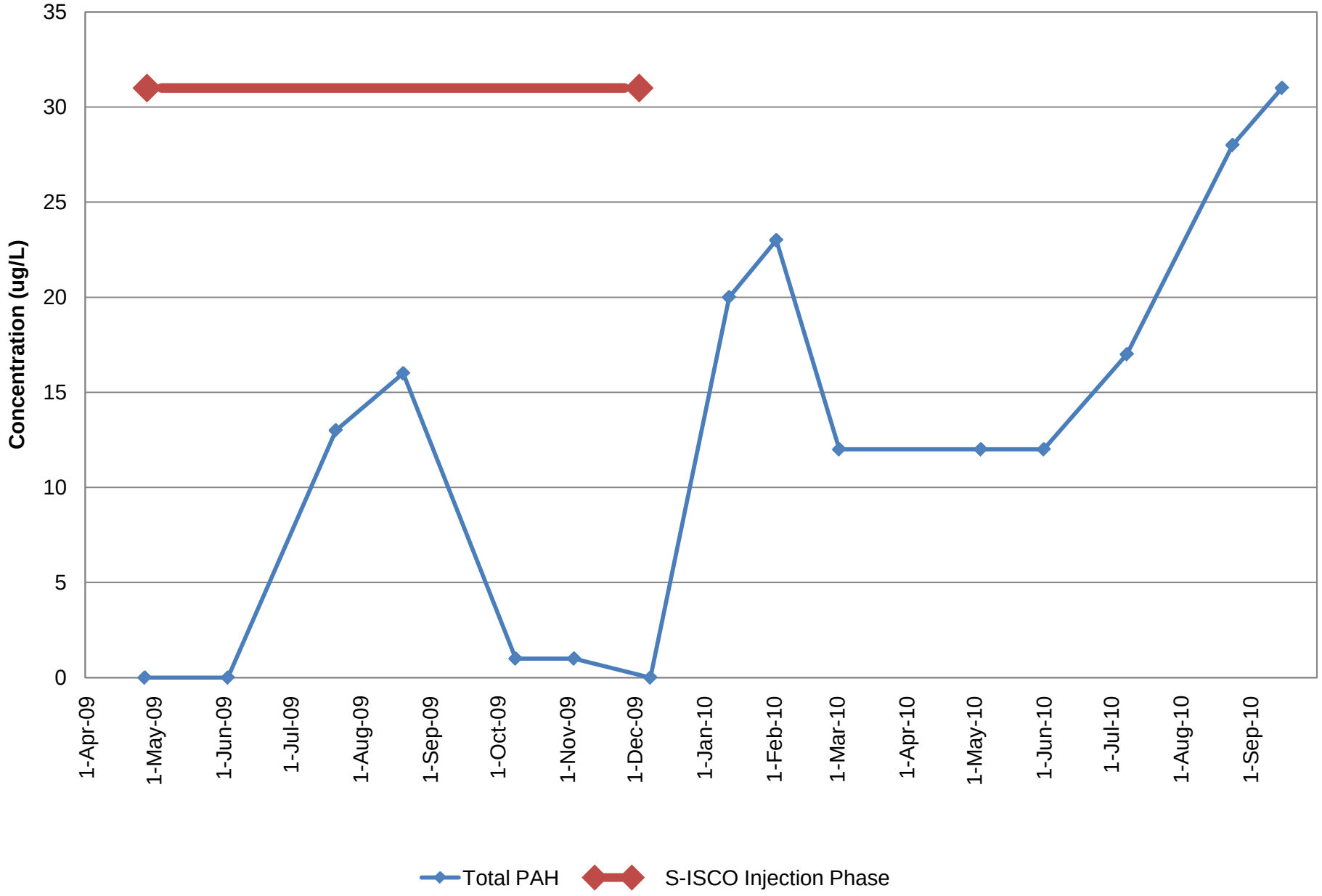
Monitoring Well WCMW-17S
2-12 ft bgs



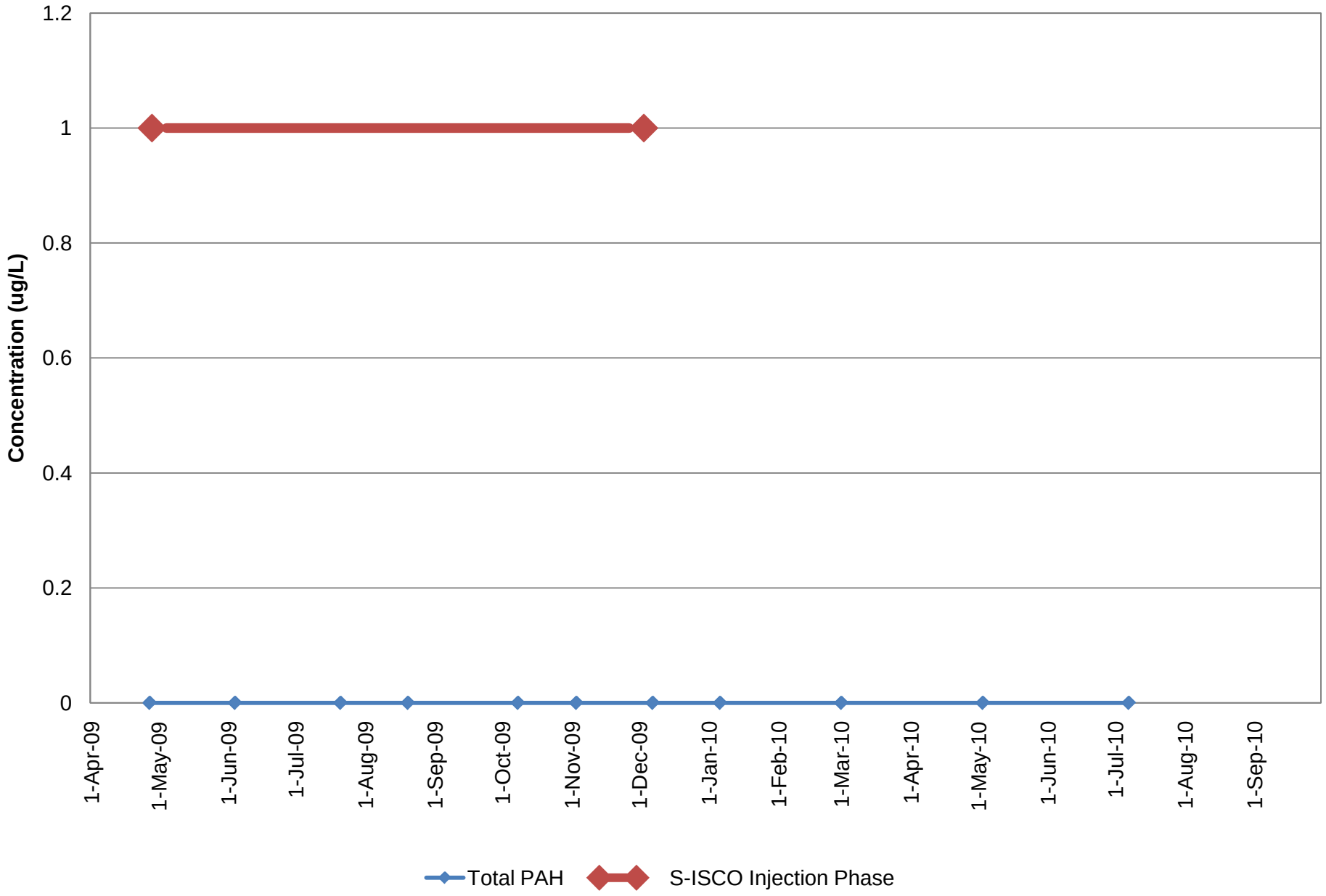
Monitoring Well WCMW-17I
20-25 ft bgs



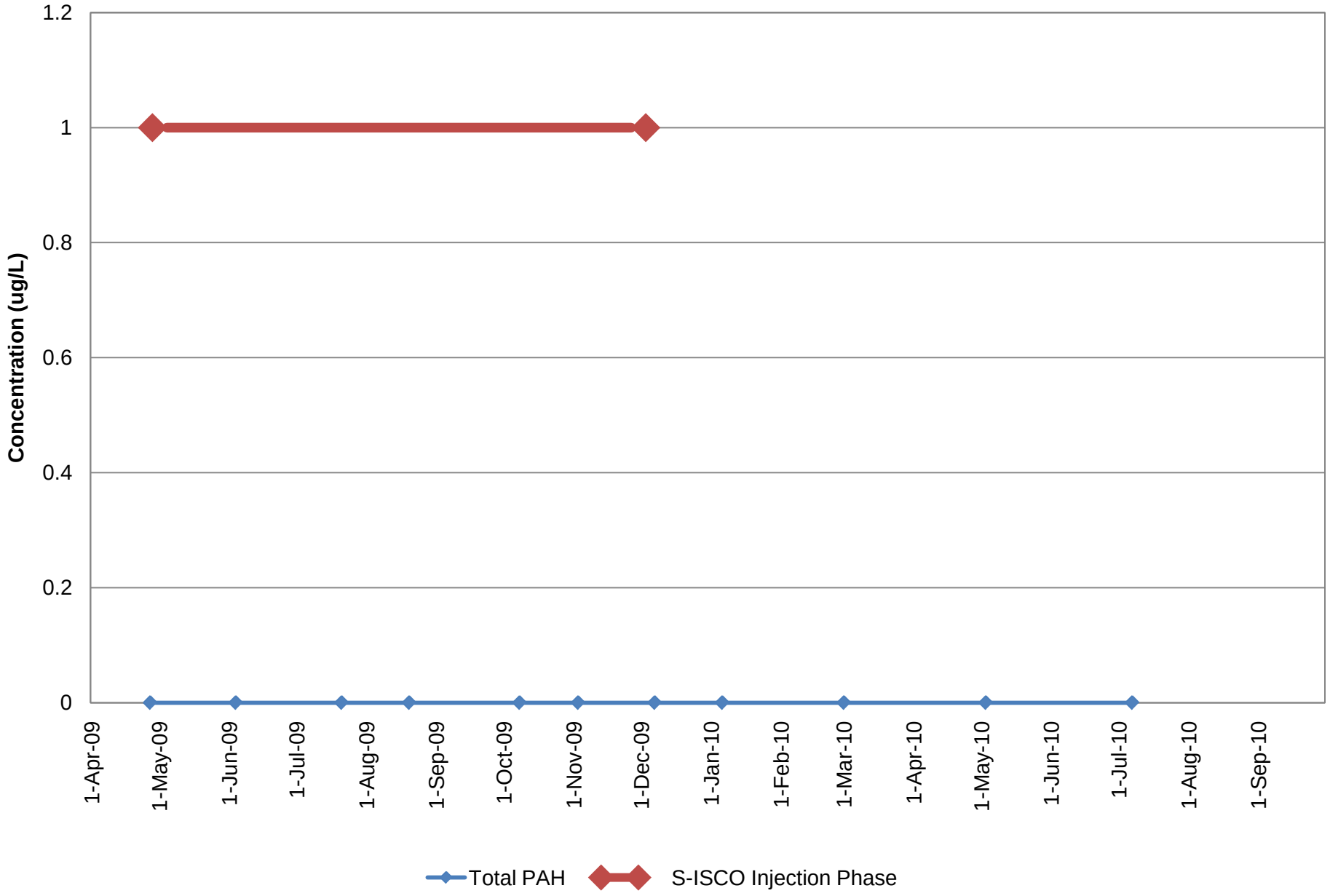
Monitoring Well WCMW-17I2
30-35 ft bgs



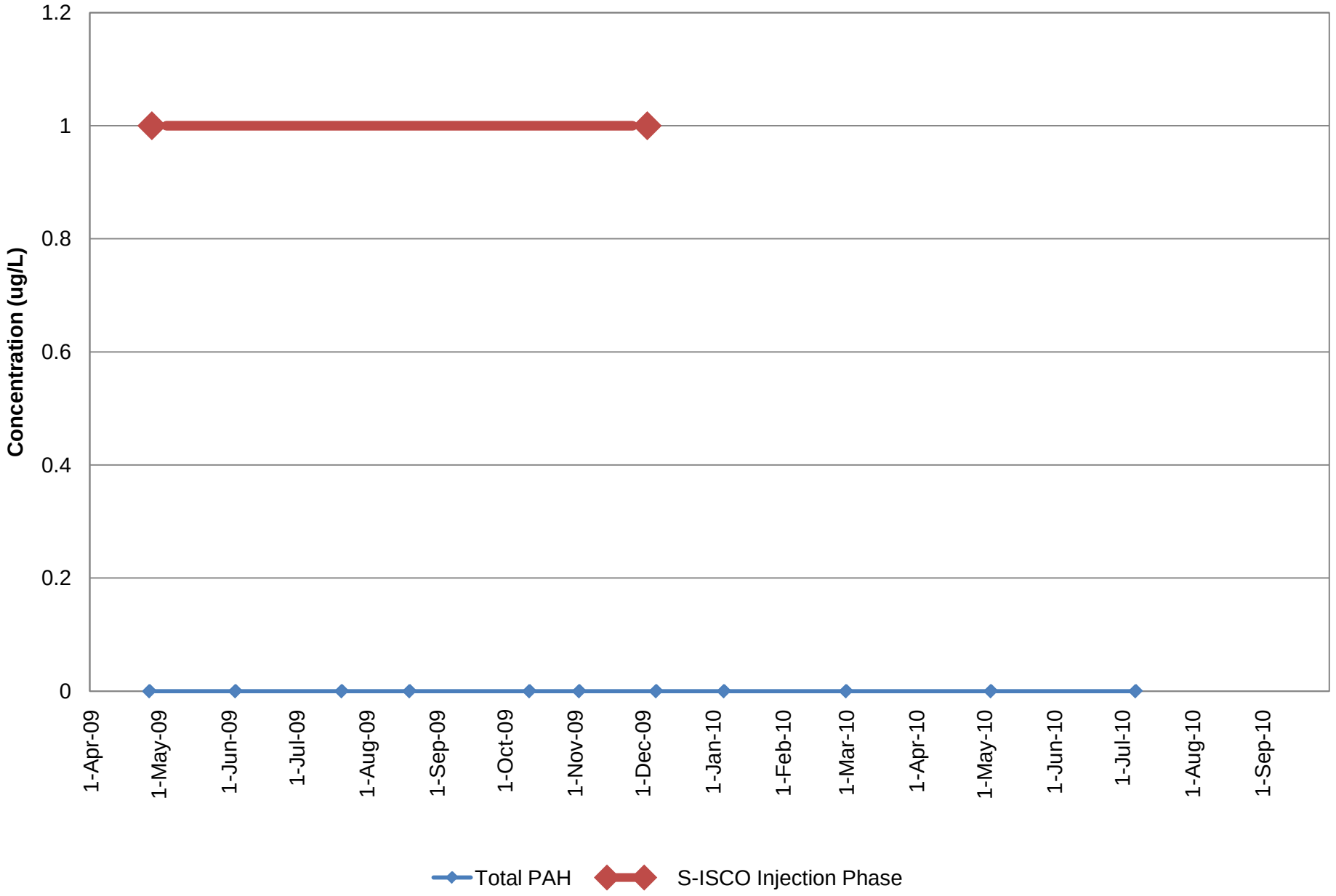
Monitoring Well WCMW-18WT
2-7 ft bgs



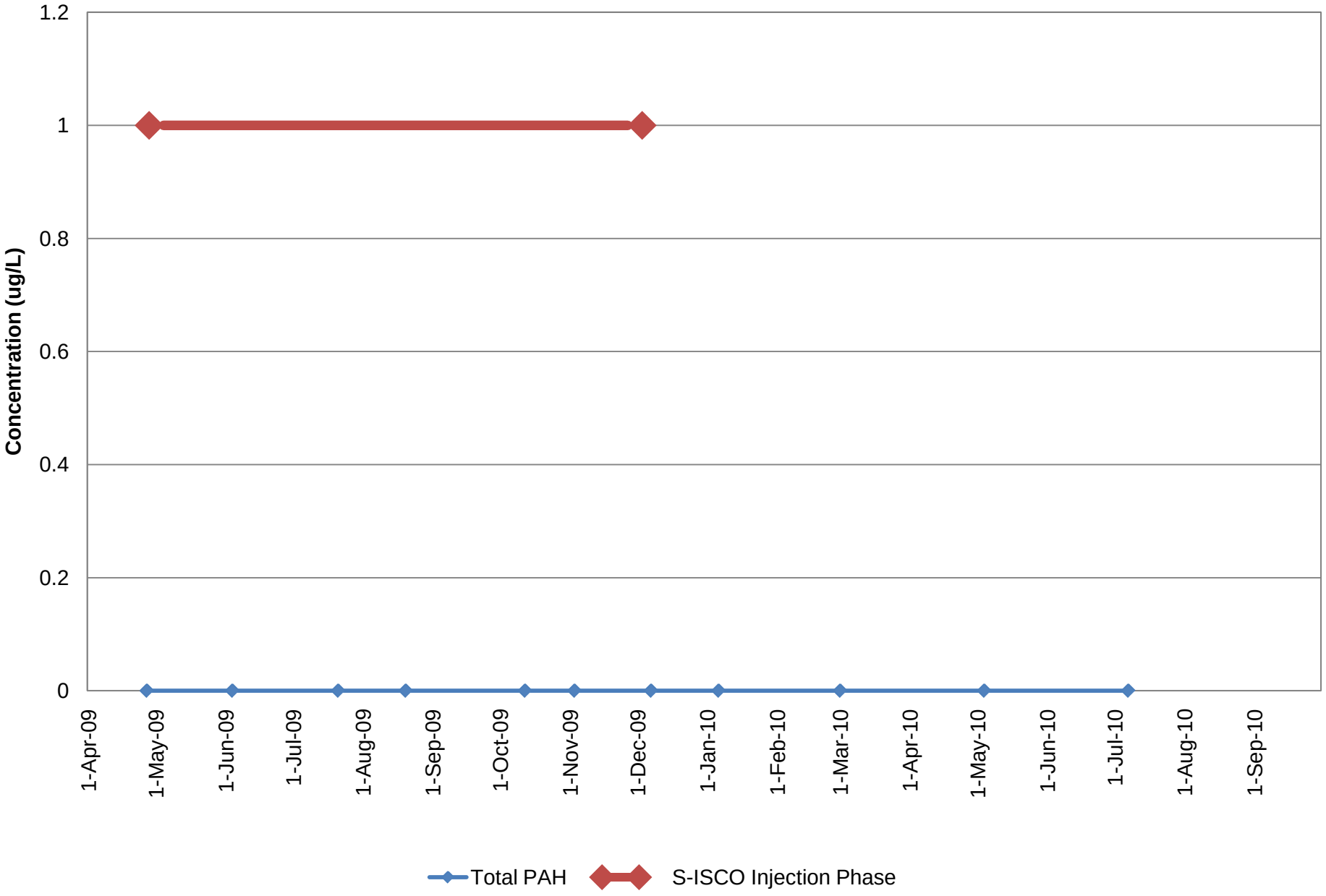
Monitoring Well WCMW-18S
2-12 ft bgs



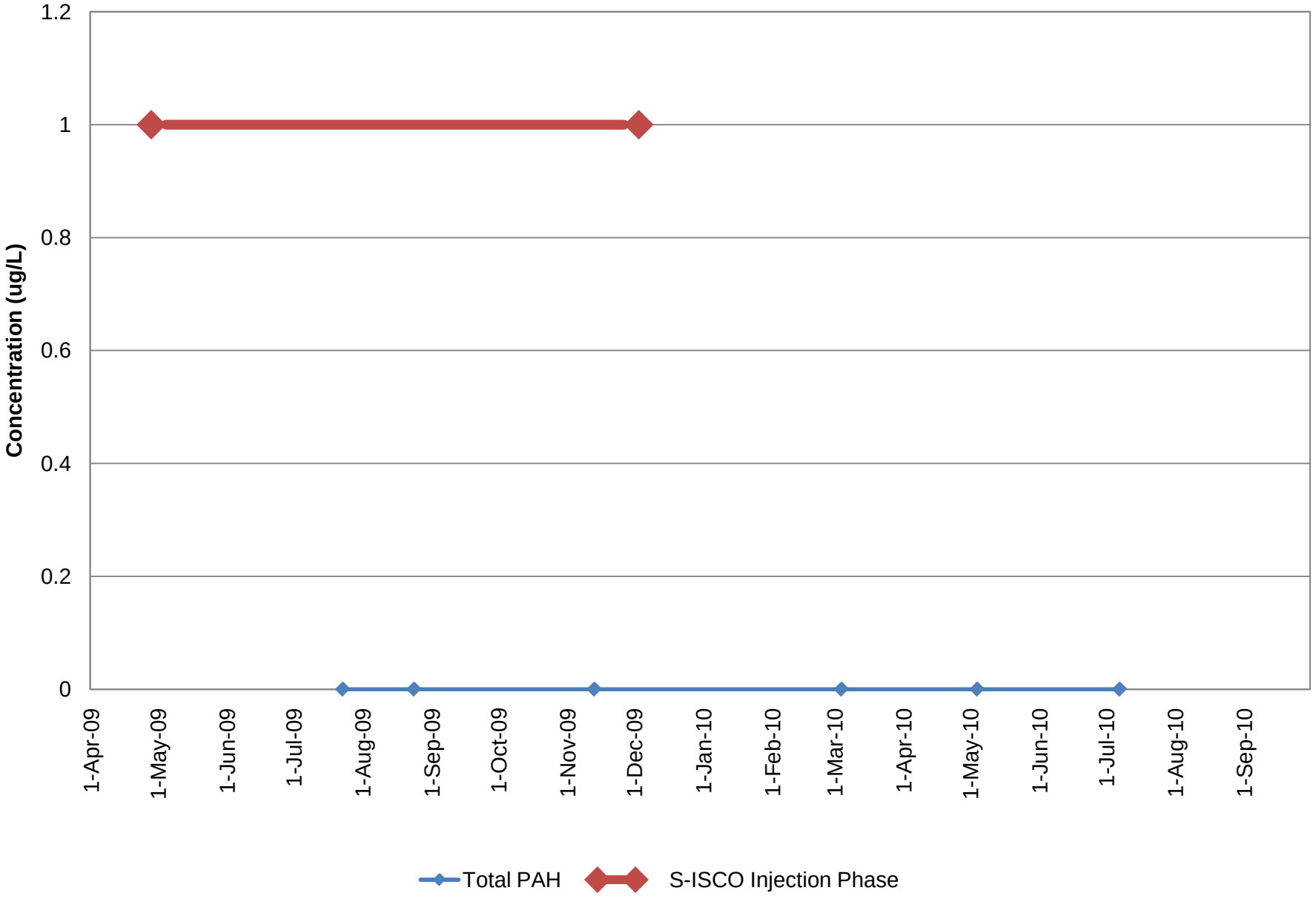
Monitoring Well WCMW-18I
20-25 ft bgs



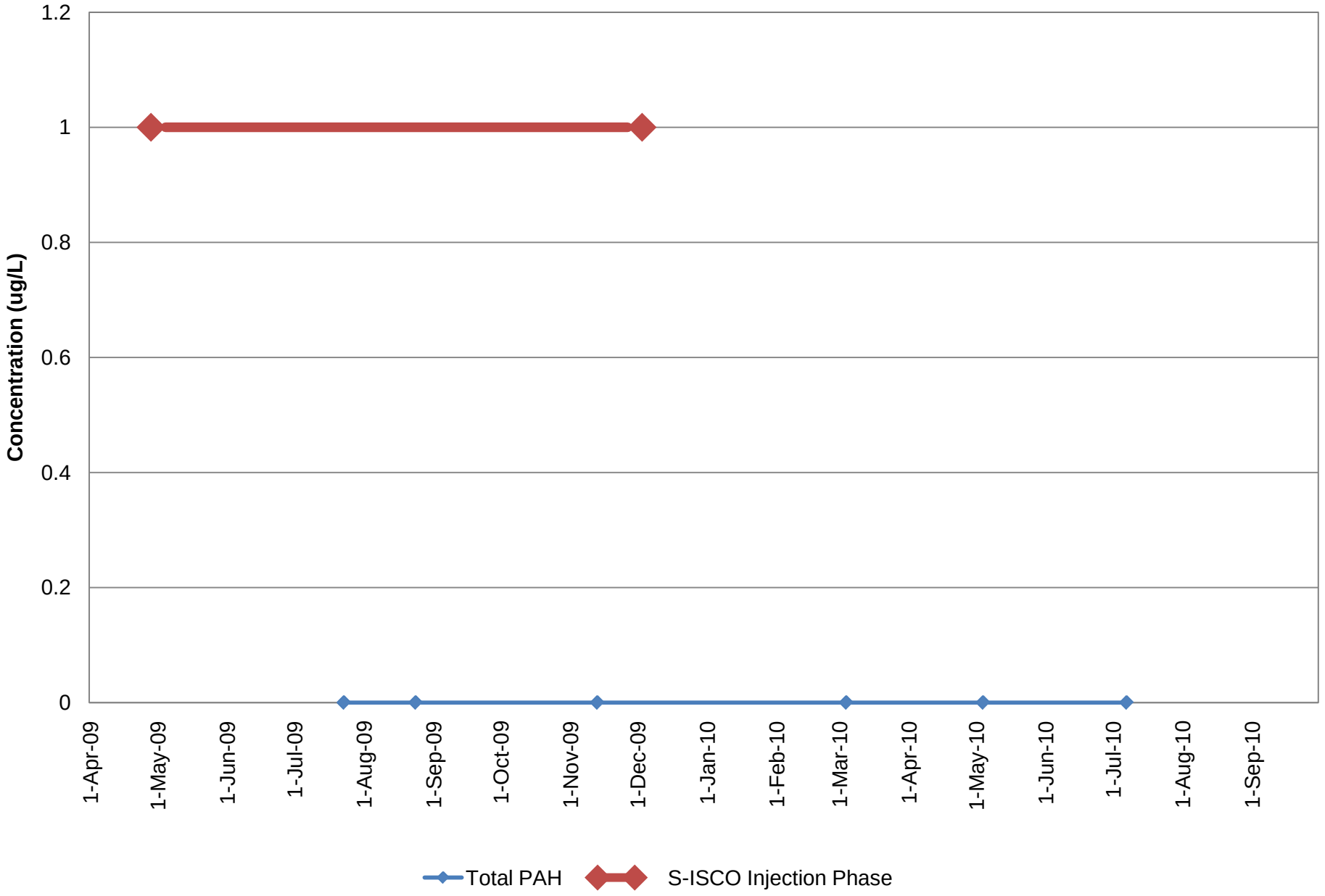
Monitoring Well WCMW-18I2
30-35 ft bgs



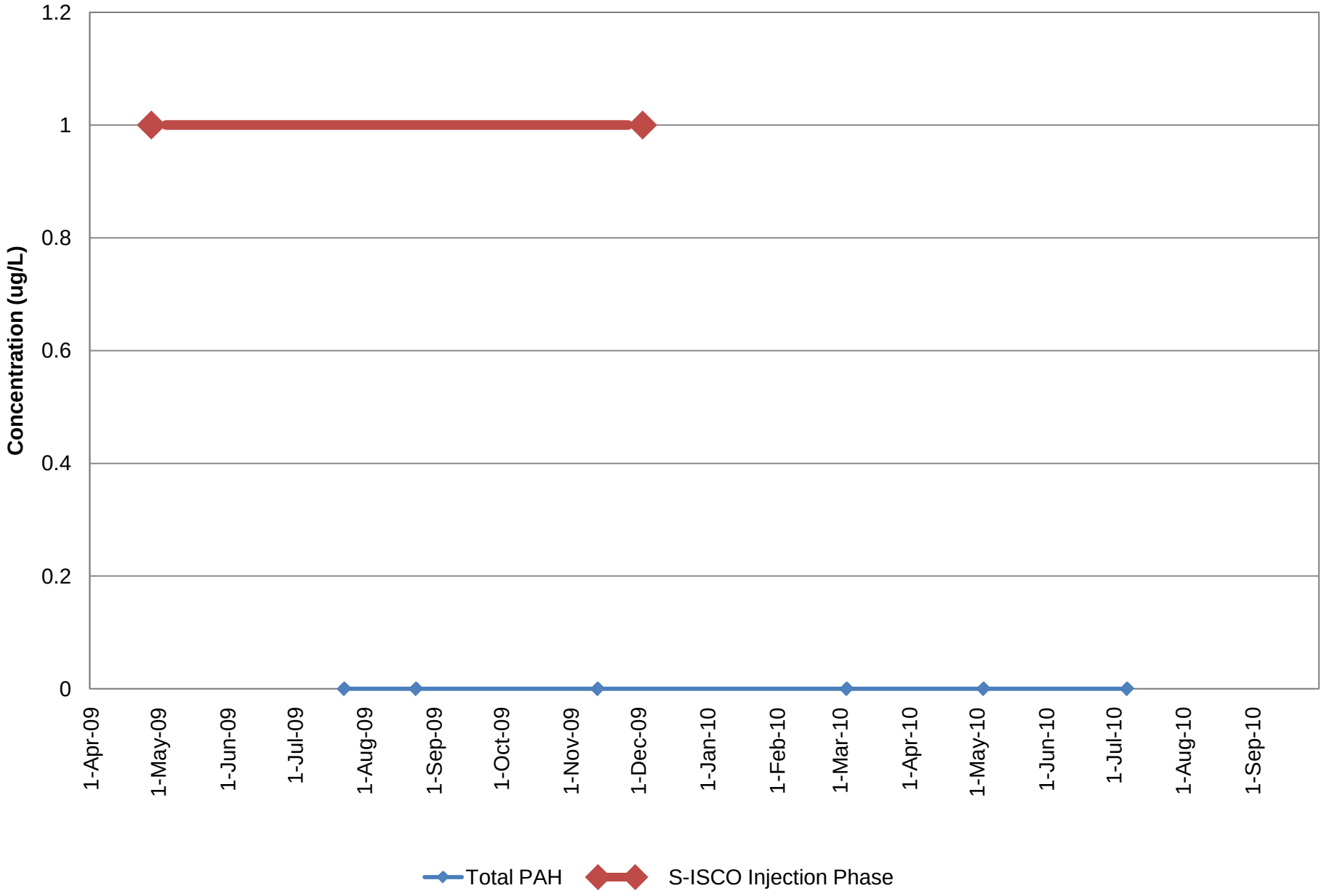
Monitoring Well WCMW-19S
2-12 ft bgs



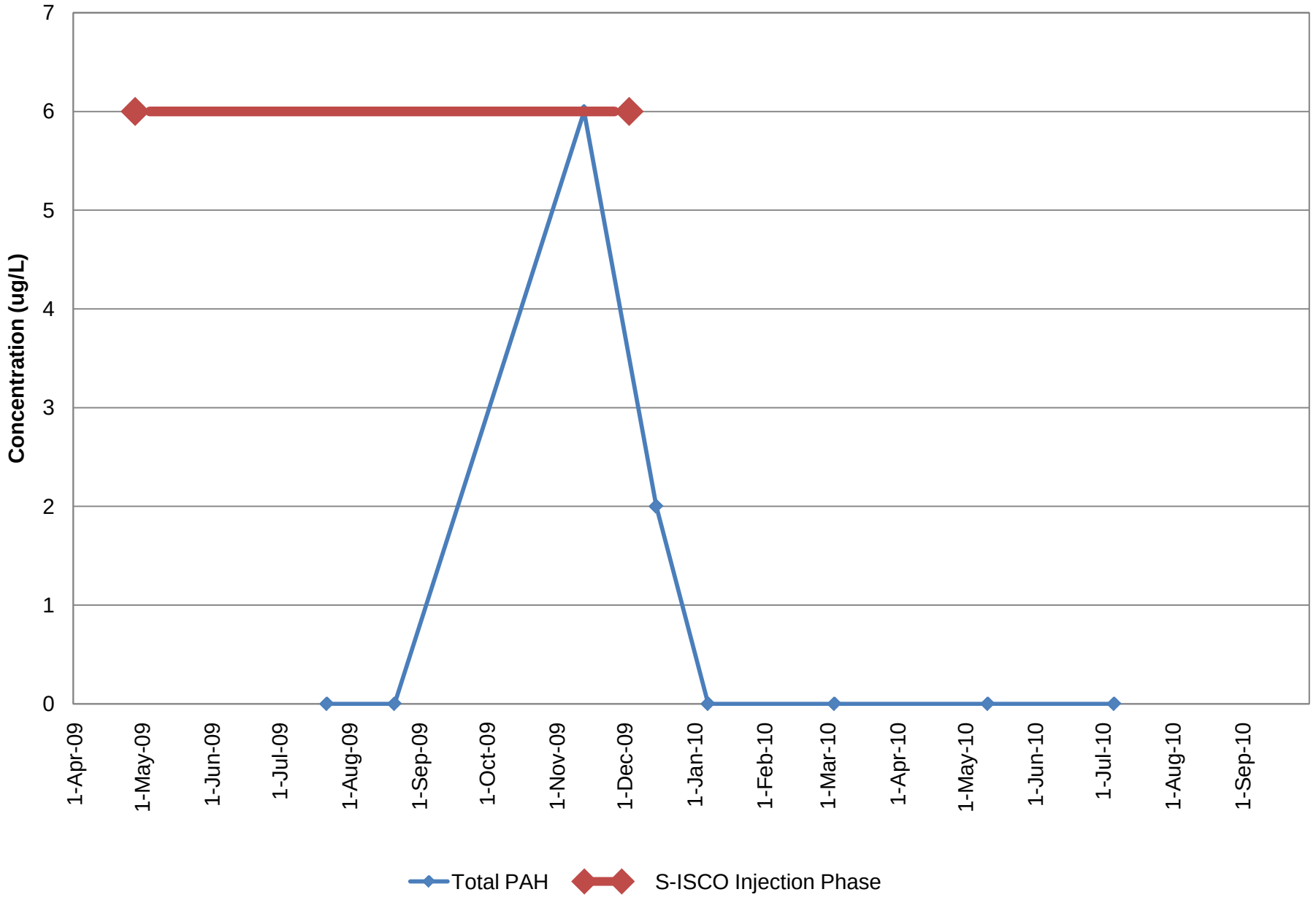
Monitoring Well WCMW-19I
20-25 ft bgs



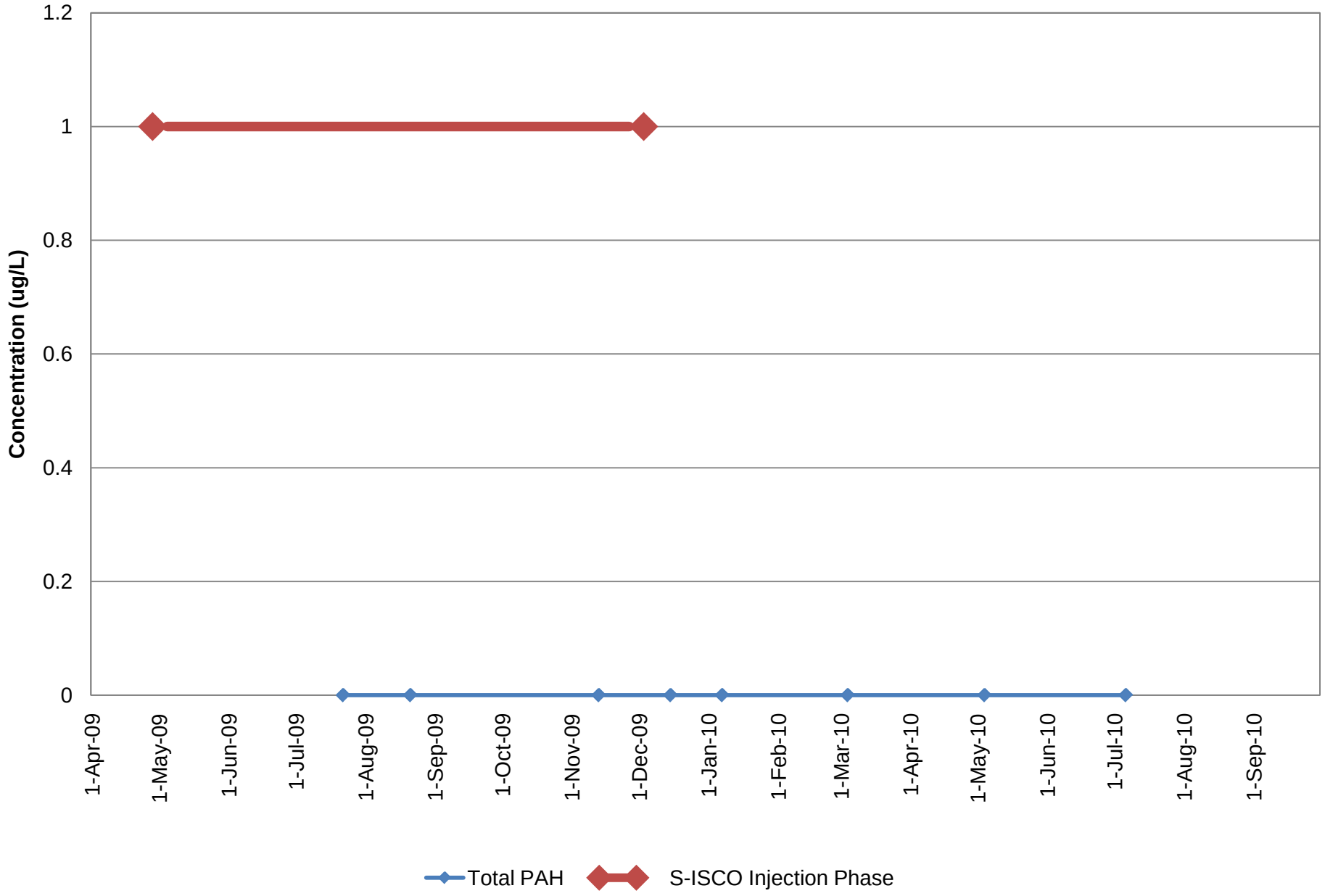
Monitoring Well WCMW-19I2
30-35 ft bgs



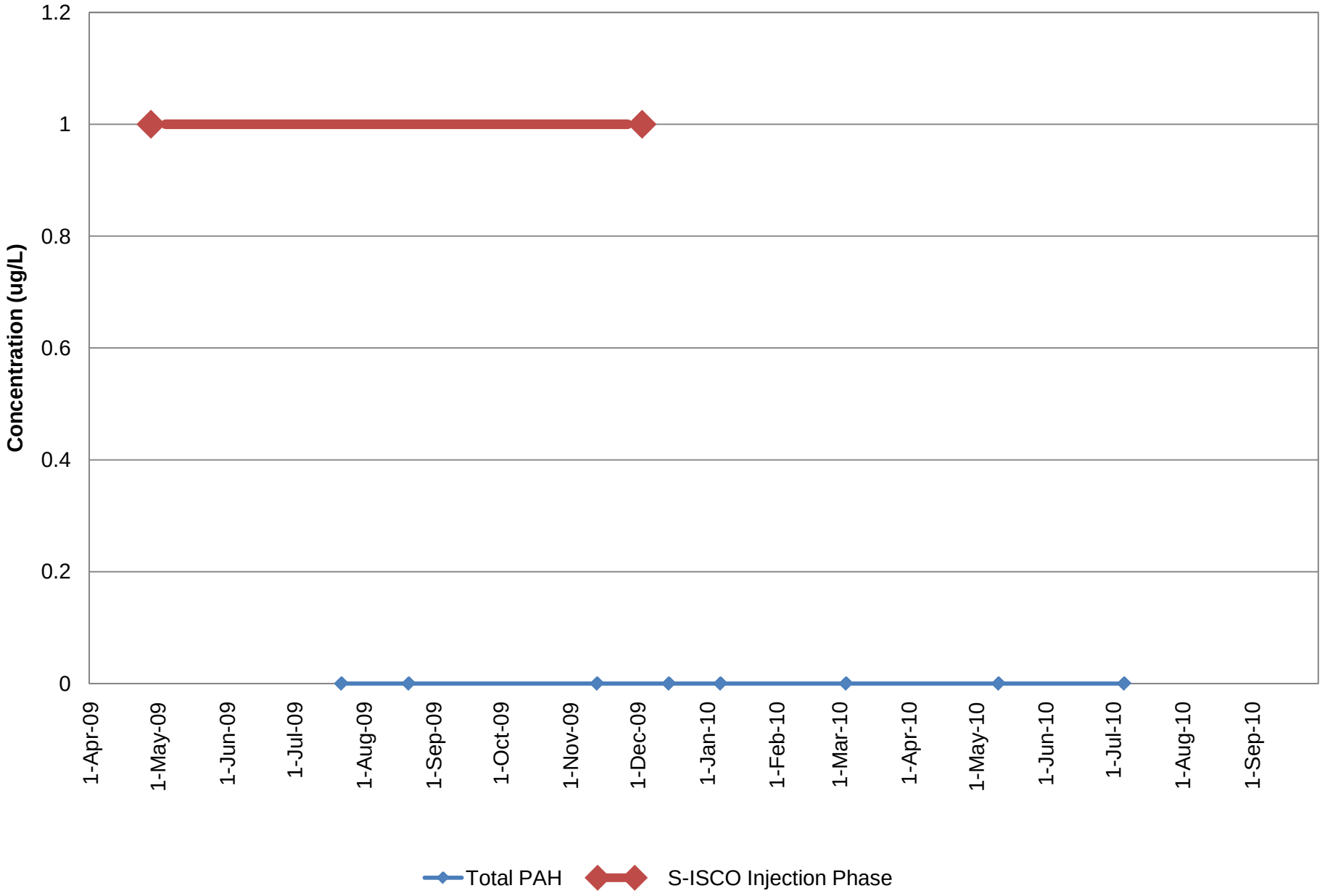
Monitoring Well WCMW-20S
2-12 ft bgs



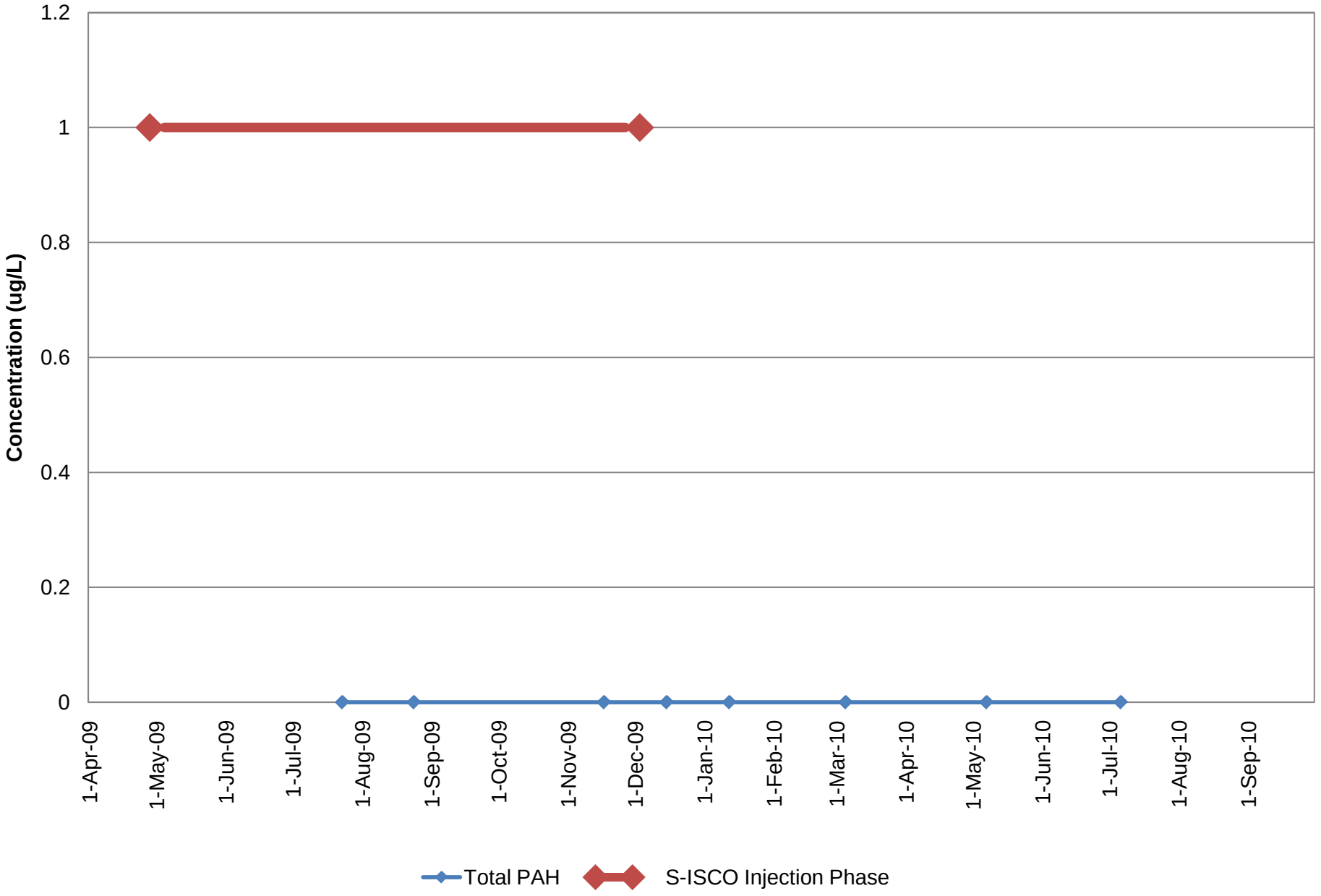
Monitoring Well WCMW-20I
20-25 ft bgs



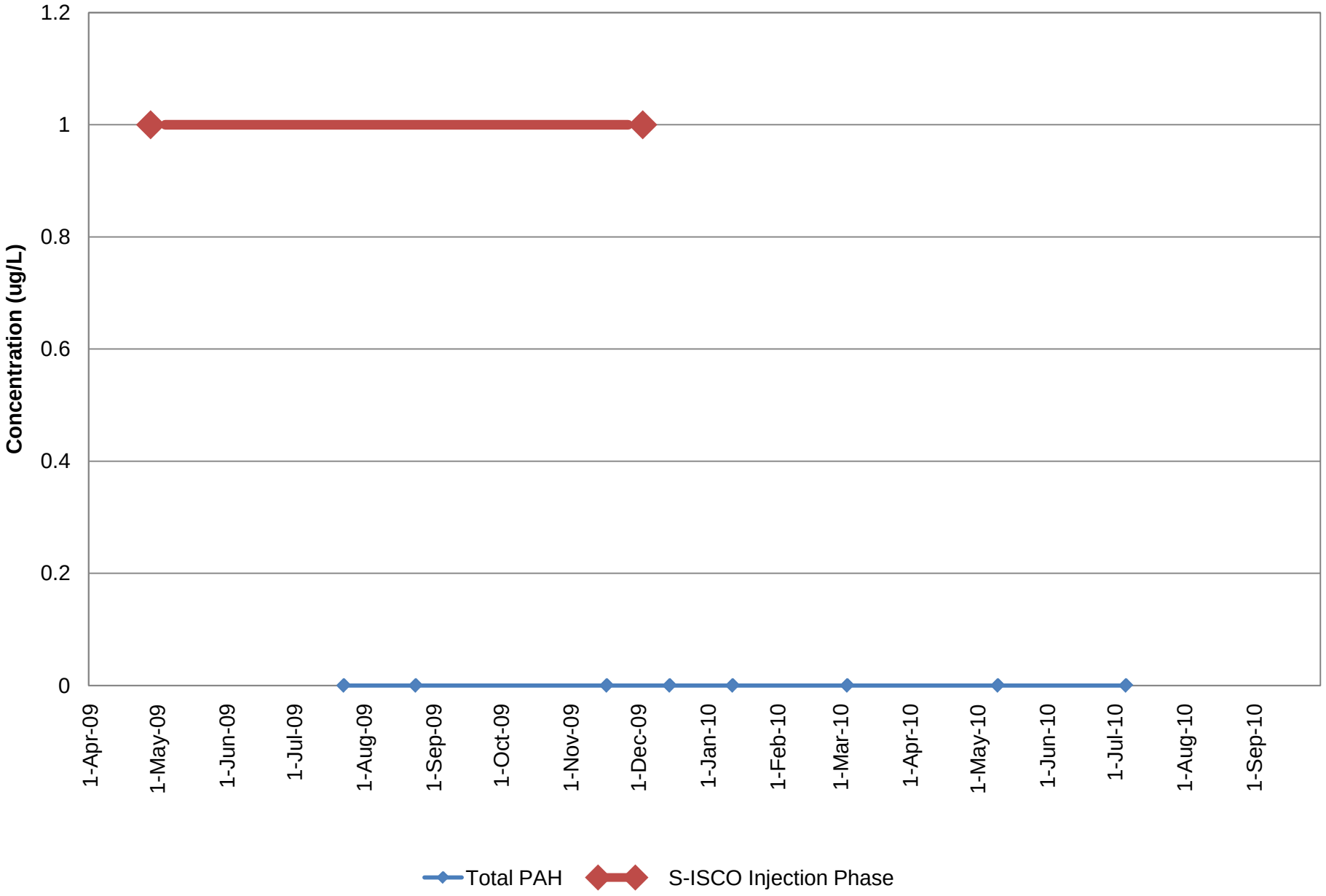
Monitoring Well WCMW-20I2
30-35 ft bgs



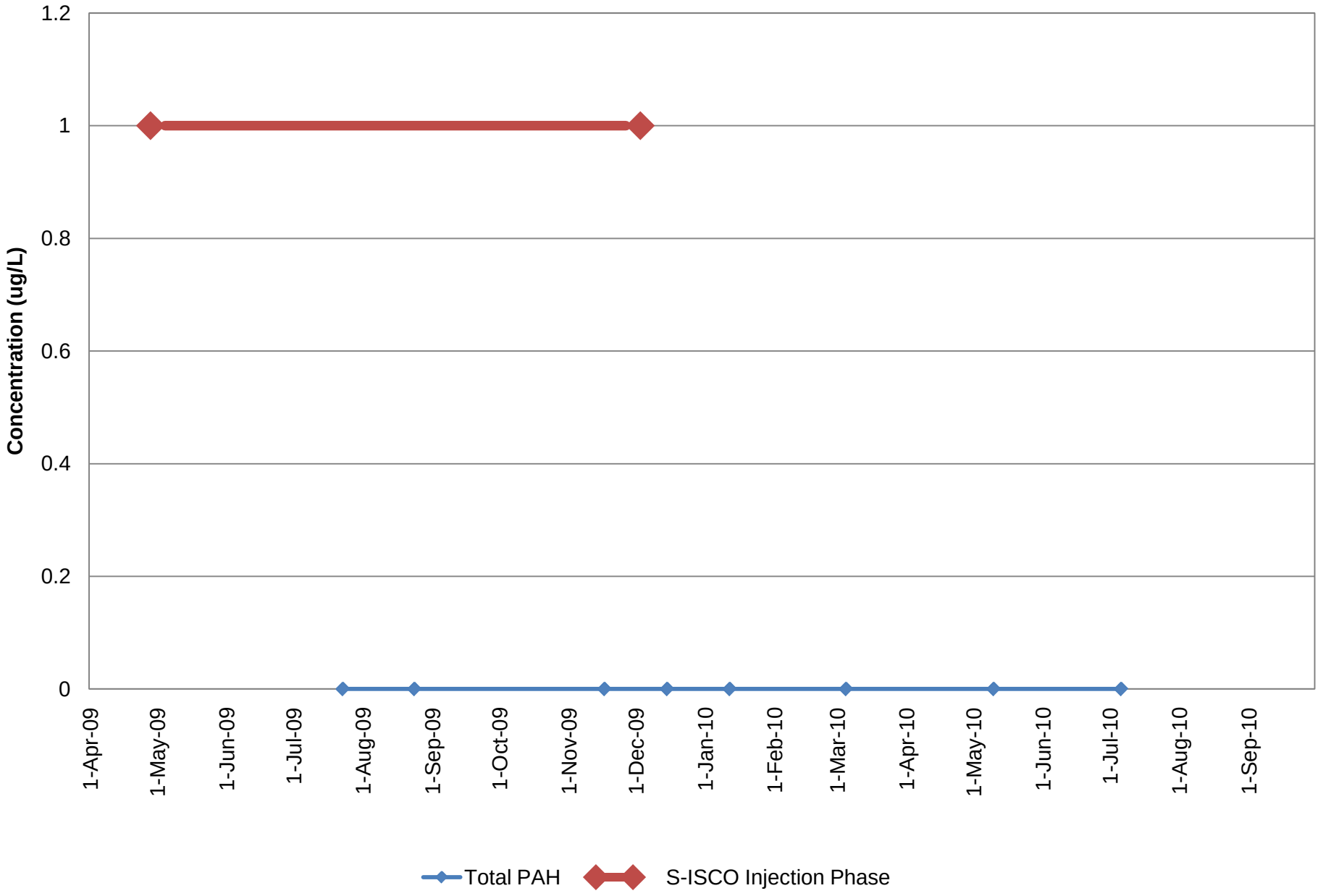
Monitoring Well WCMW-21S
2-12 ft bgs



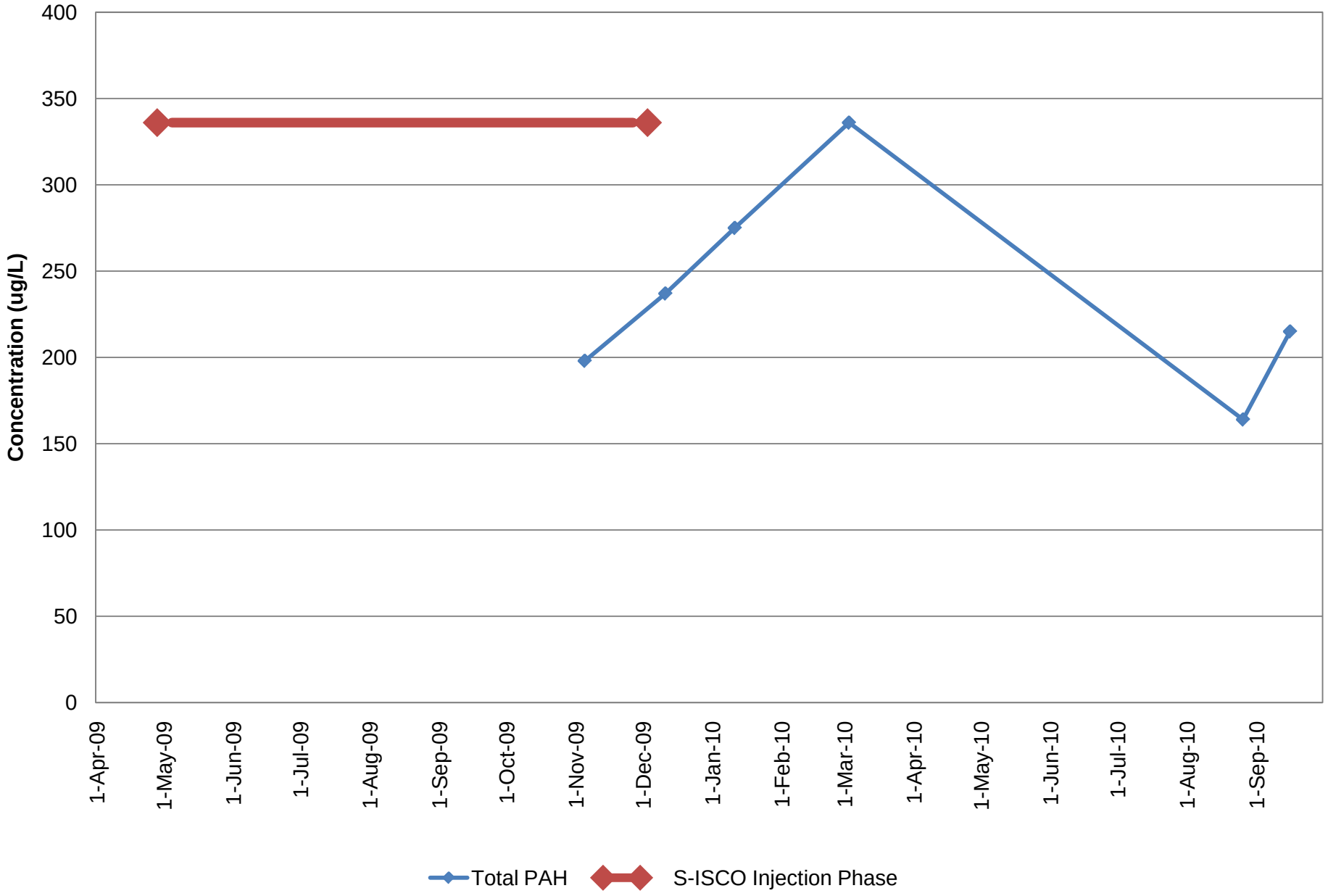
Monitoring Well WCMW-21I
20-25 ft bgs



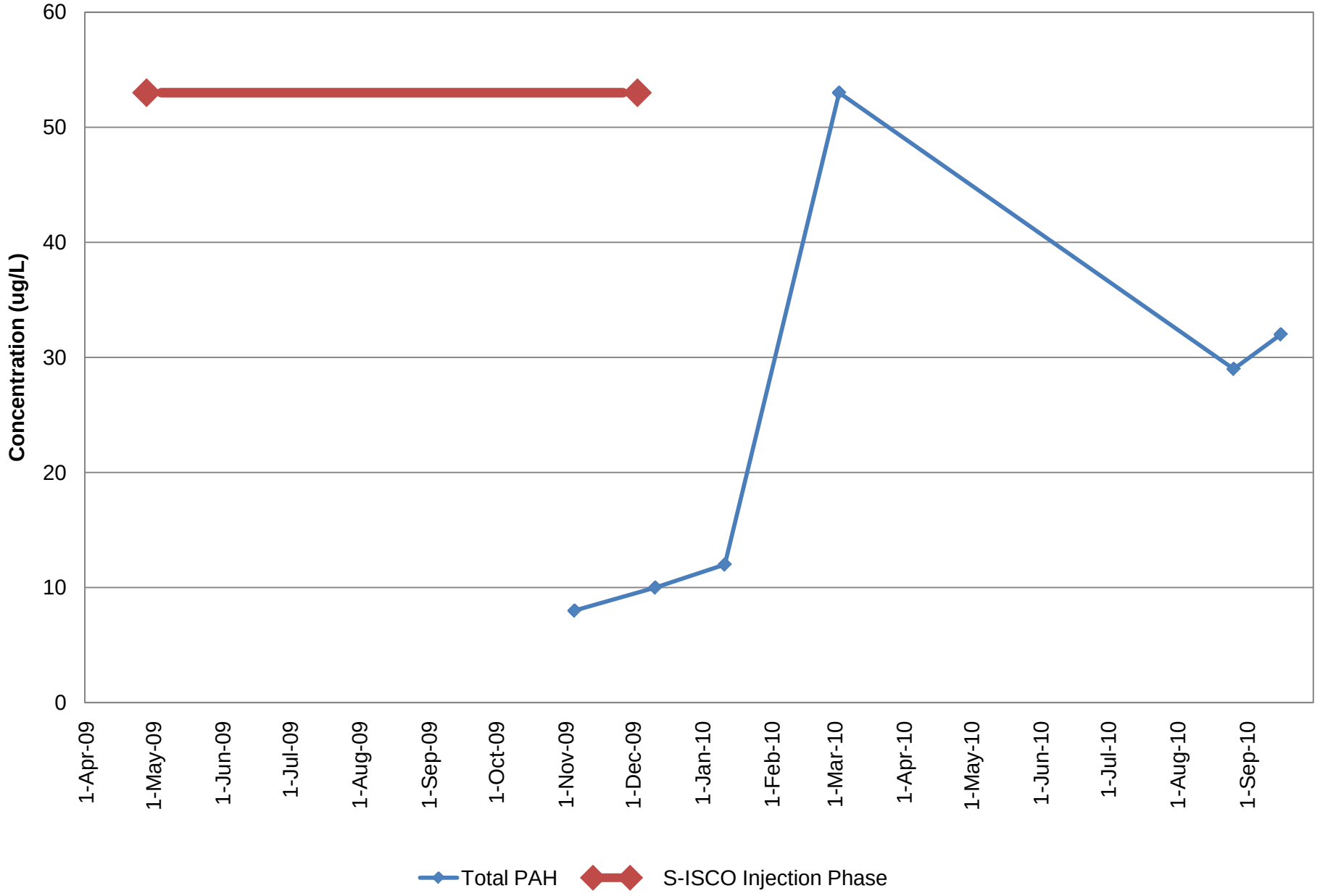
Monitoring Well WCMW-21I2
30-35 ft bgs



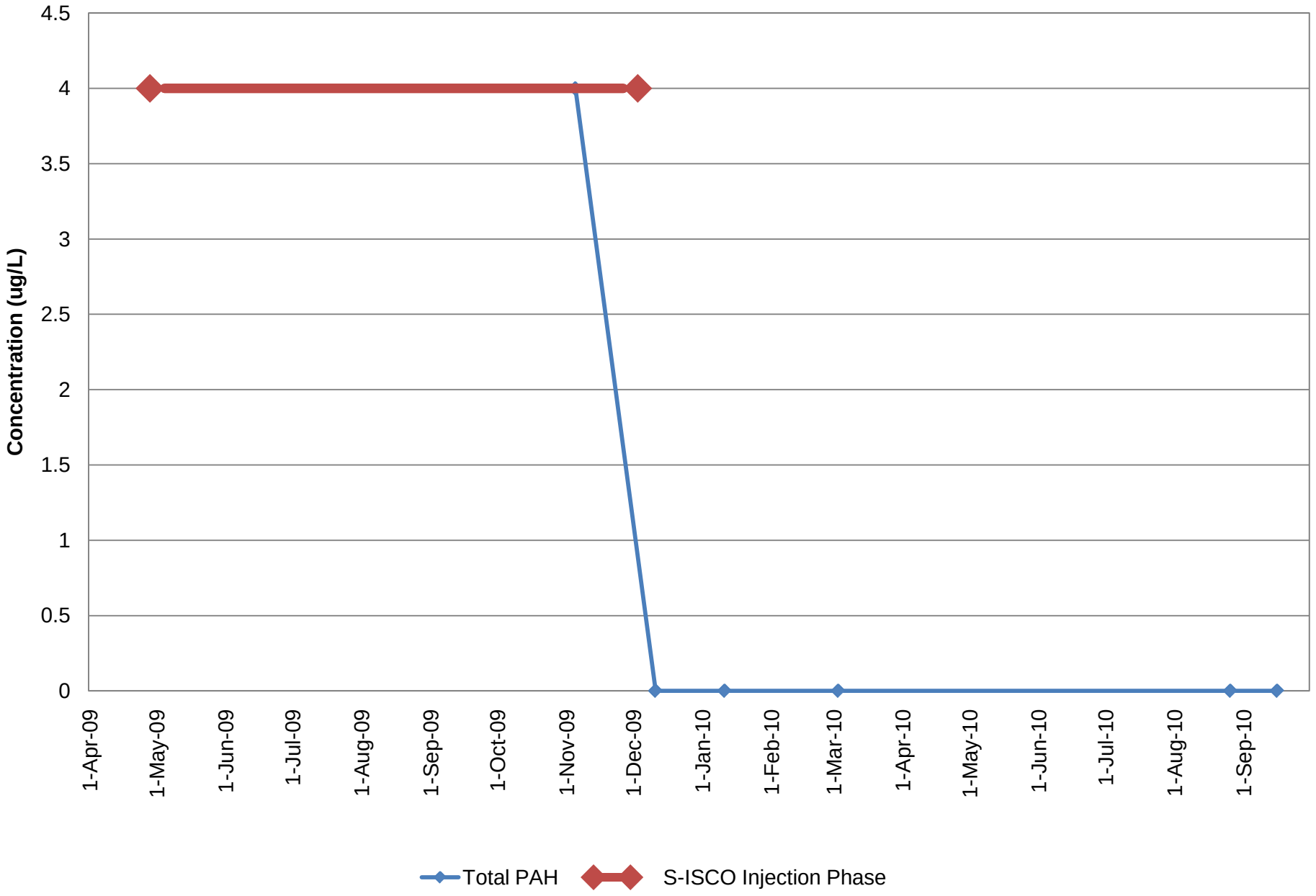
Monitoring Well WCMW-24S
2-12 ft bgs



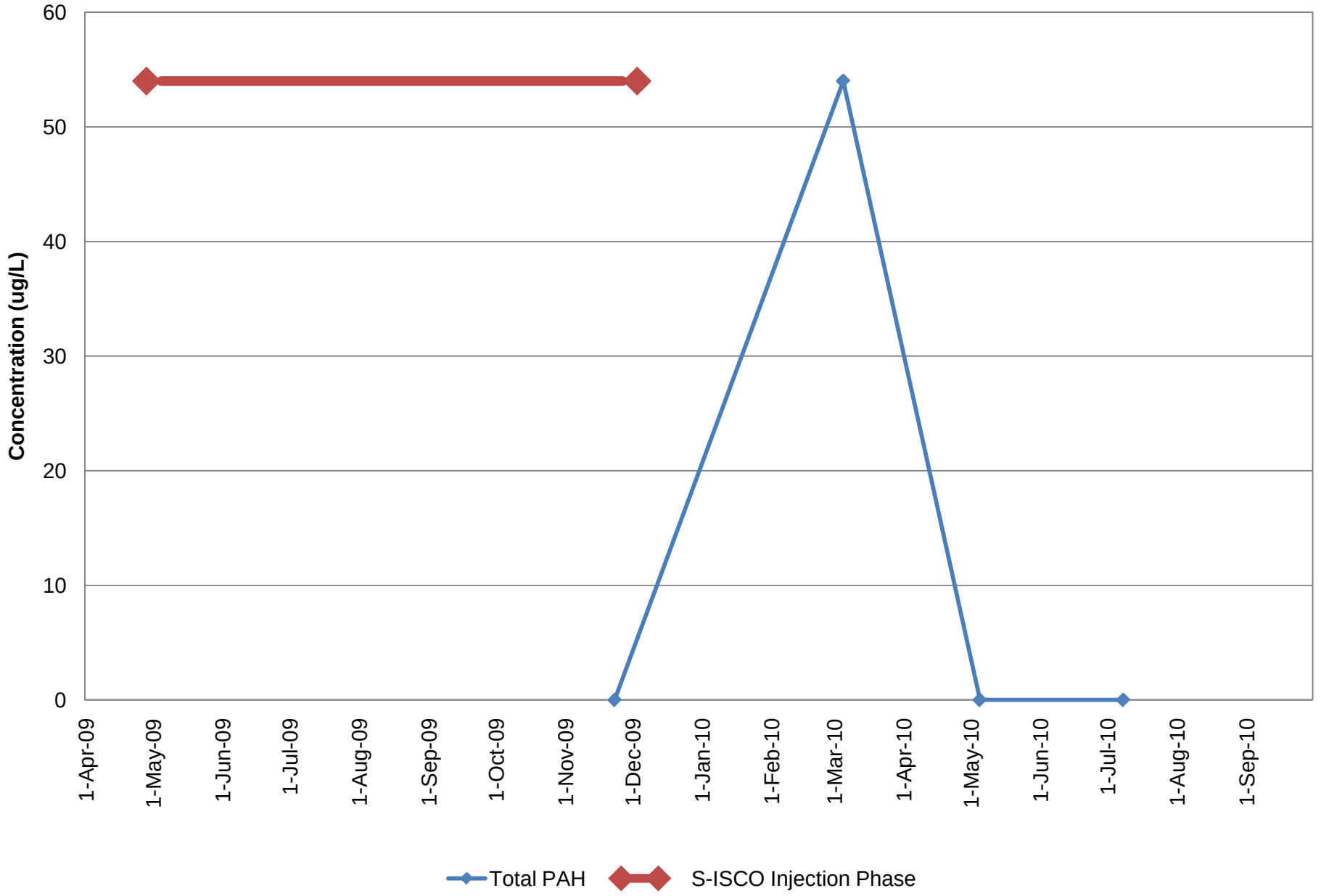
Monitoring Well WCMW-24I
20-25 ft bgs



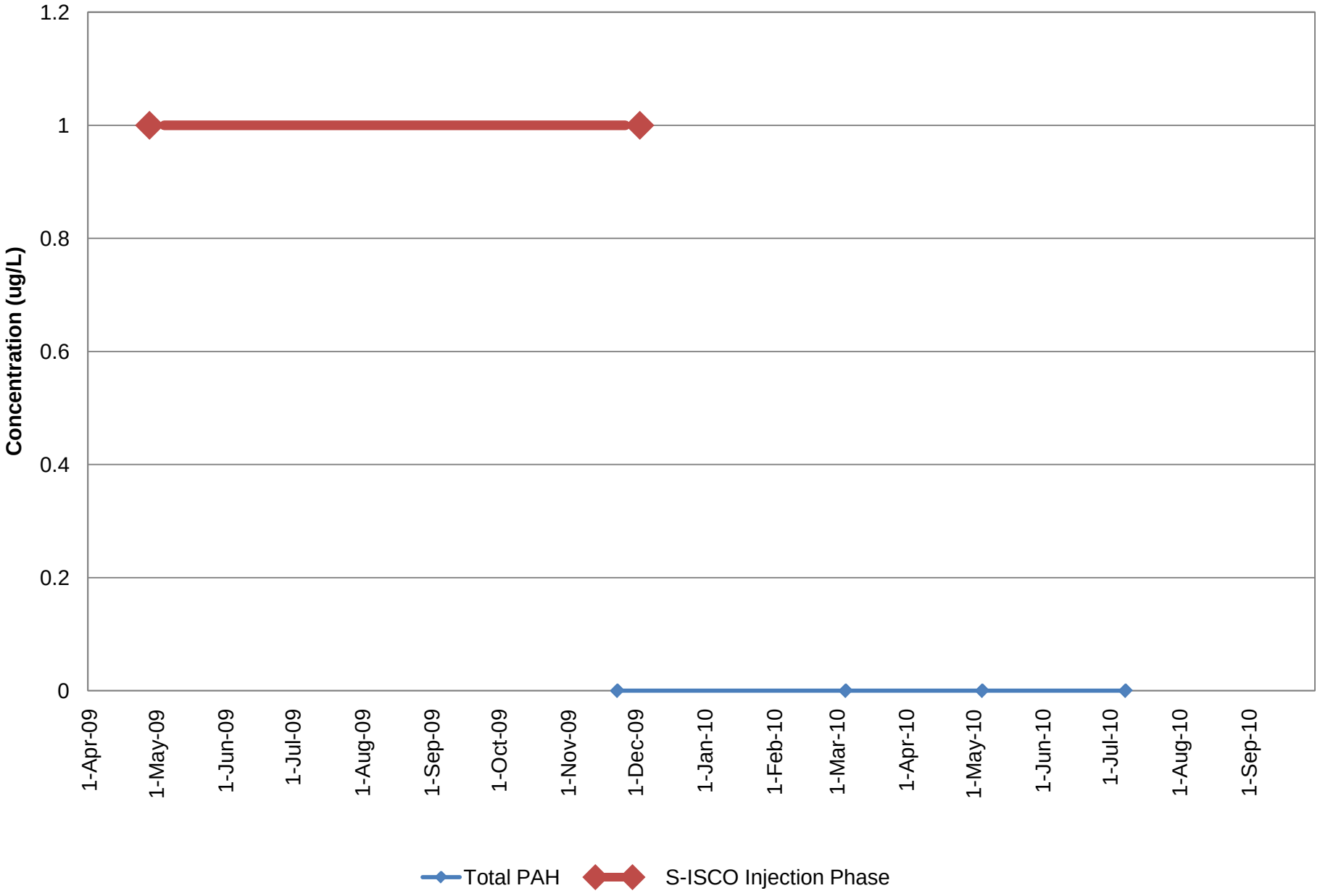
Monitoring Well WCMW-24I2
30-35 ft bgs



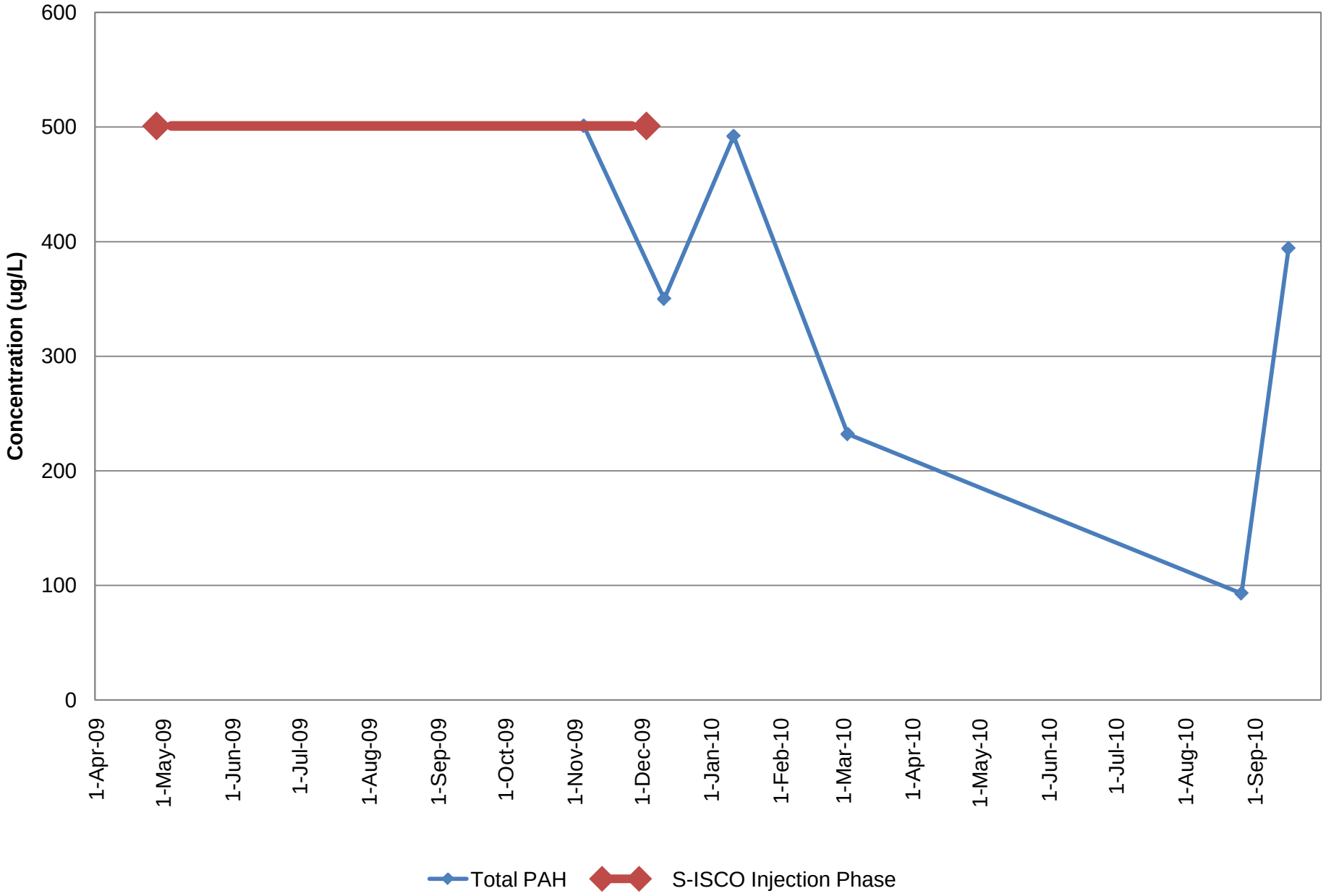
Monitoring Well WCMW-25I
30-35 ft bgs



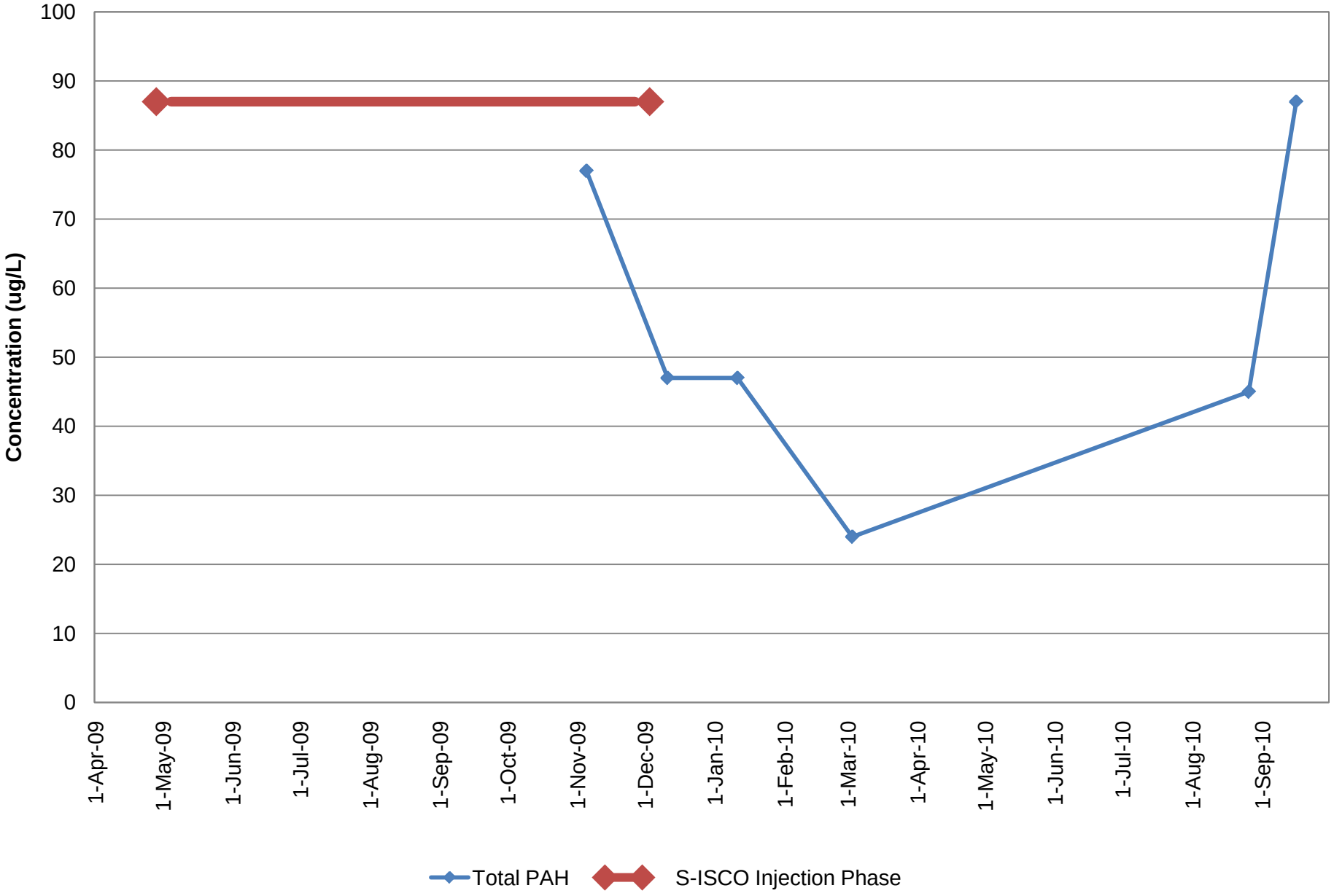
Monitoring Well WCMW-25D
55-60 ft bgs



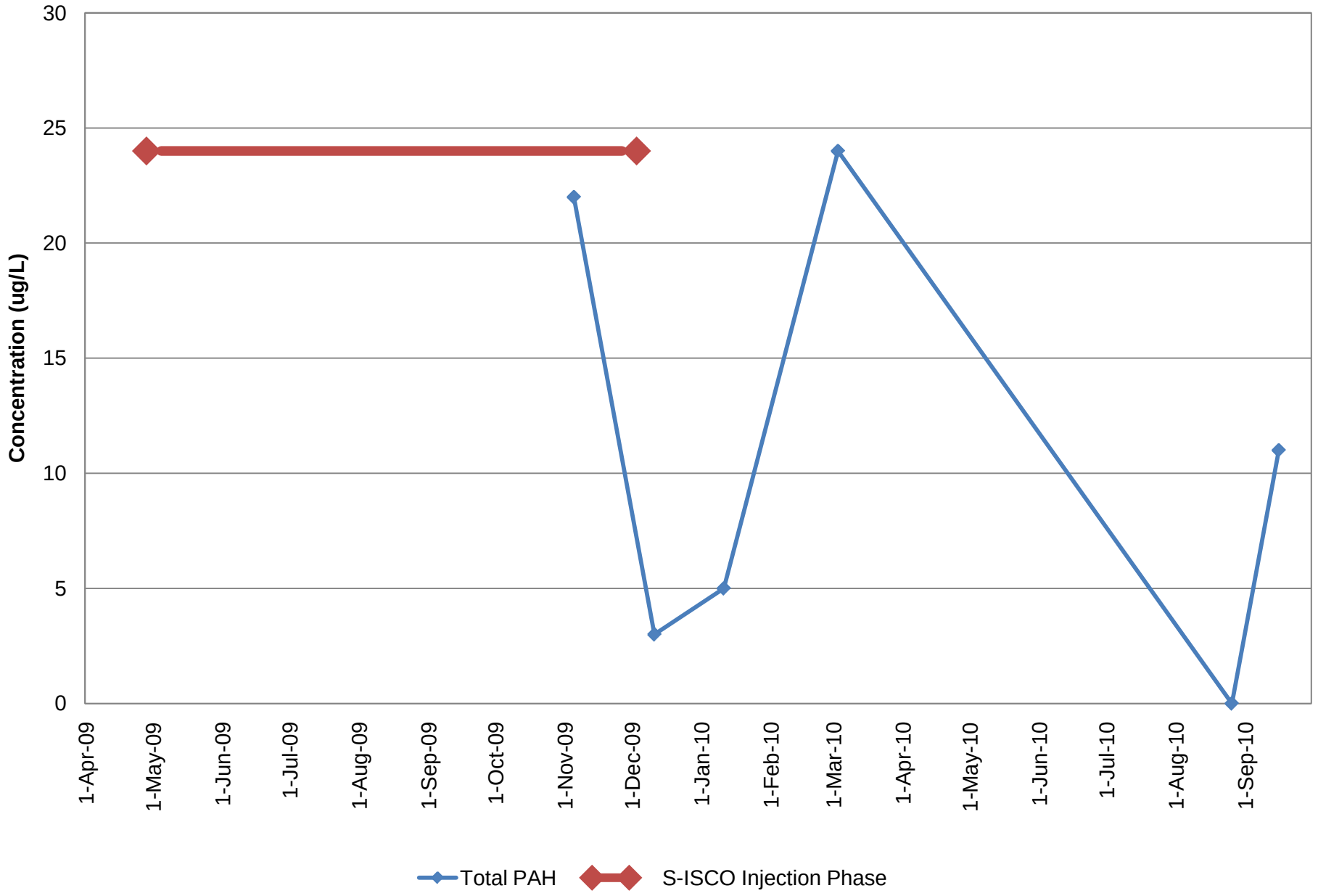
Monitoring Well WCMW-26S
2-12 ft bgs



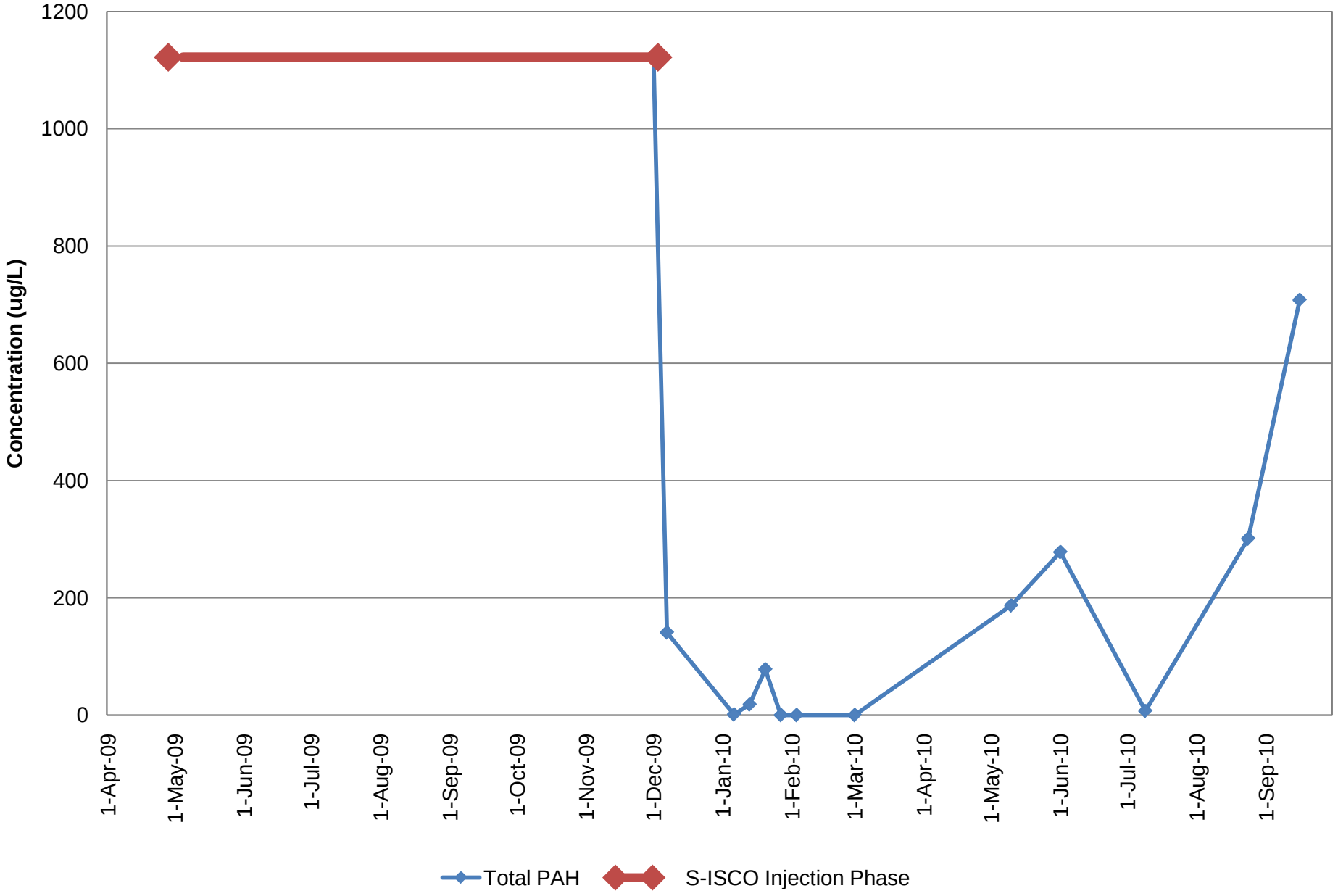
Monitoring Well WCMW-26I
20-25 ft bgs



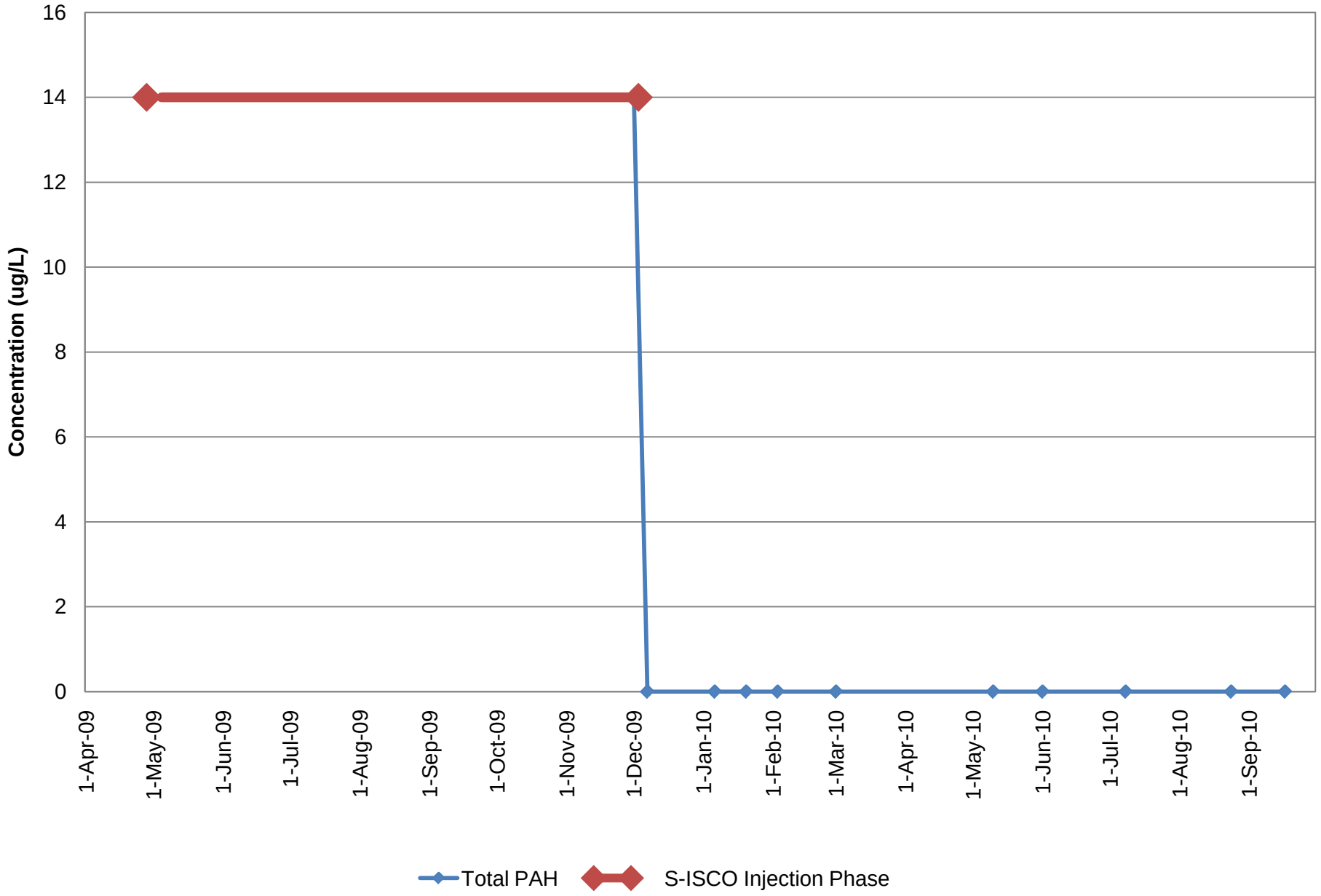
Monitoring Well WCMW-26I2
30-35 ft bgs



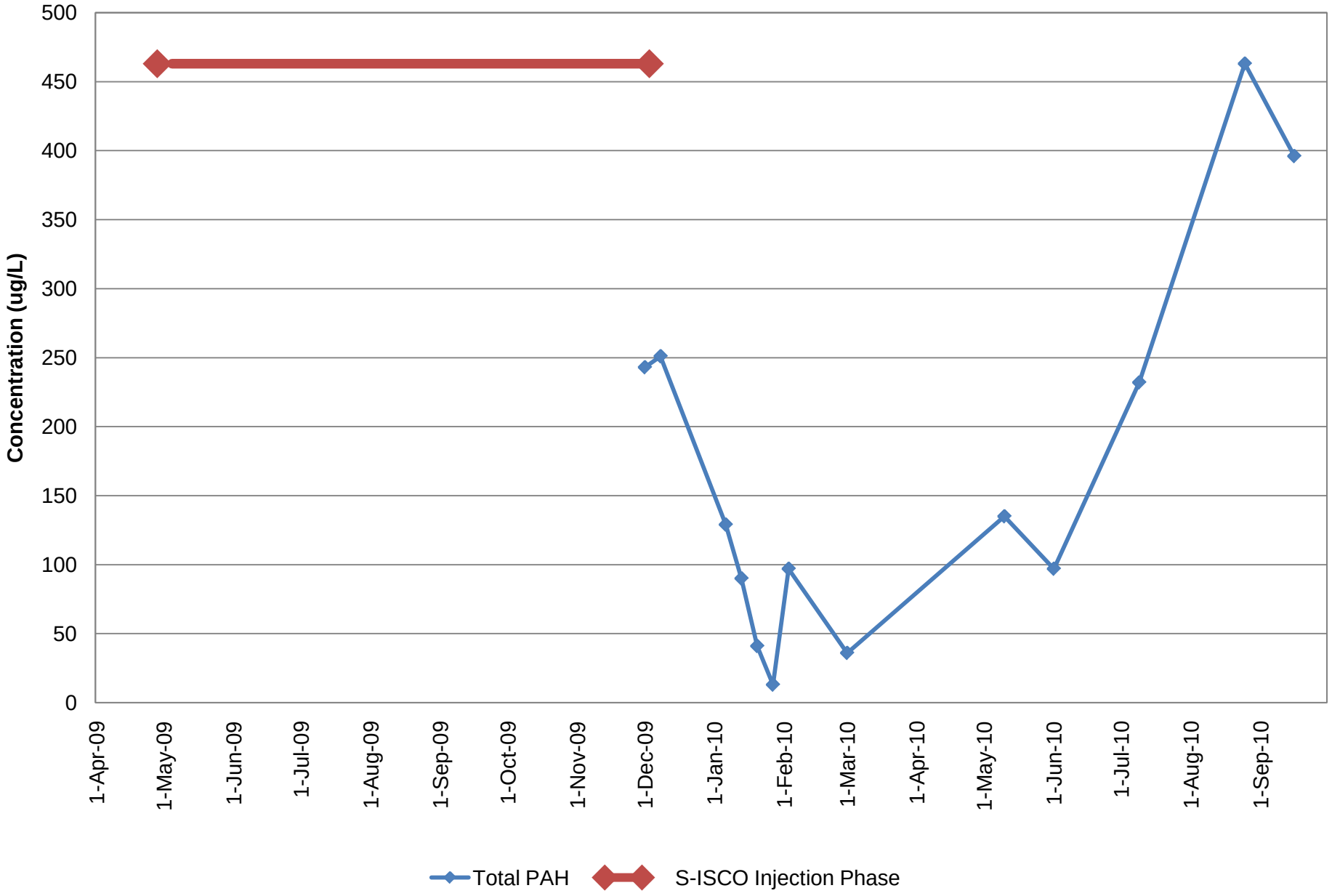
Monitoring Well WCMW-27S
2-12 ft bgs



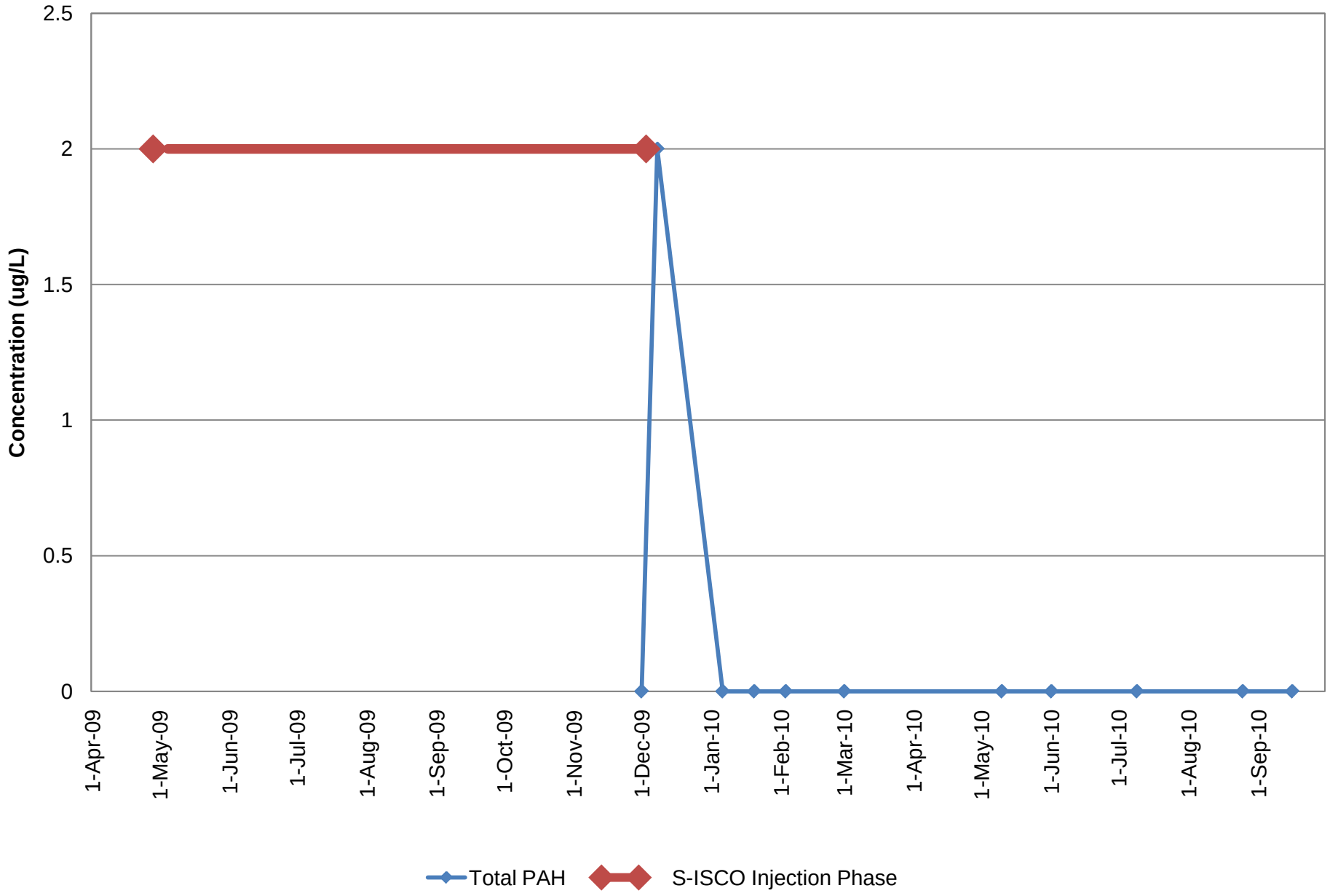
Monitoring Well WCMW-27I
20-25 ft bgs



Monitoring Well WCMW-28S
2-12 ft bgs



Monitoring Well WCMW-28I
20-25 ft bgs



Appendix F
Distribution of pH Values <5 in Groundwater
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Monitoring Well	Sample Date	Sample Time	pH (S.U.)
OU-1			
BBMW-05D	8/9/2010	13:55	4.15
BBMW-22D	8/9/2010	11:50	4.99
BBMW-34D	8/4/2010	11:45	4.16
BBMW-38D	8/3/2010	10:30	4.91
BBMW-39I2	8/4/2010	14:00	4.65
BBMW-41D	8/2/2010	11:00	4.46
MW-09D	8/19/2010	9:20	4.77
OZMW-19D	8/5/2010	13:20	4.81
OZMW-23I2	7/29/2010	11:20	4.67
OZMW-23D	7/29/2010	12:25	4.29
OZMW-23D	9/15/2010	14:20	4.18
OZMW-24D	7/28/2010	10:15	4.10
OZMW-24D	8/18/2010	9:25	4.32
OZMW-24D	9/15/2010	9:30	4.52
OU-2			
BBMW-02D	7/15/2010	8:55	4.89
BBMW-07D	9/14/2010	7:35	4.52
BBMW-07I	9/14/2010	8:35	4.46
BBMW-15S	7/14/2010	8:50	4.74
OU2MW-14I	8/25/2010	6:05	4.99
OU2MW-34I2	7/16/2010	10:20	4.79
OU2MW-39I2	7/21/2010	9:25	4.77
OU2MW-39I2	9/29/2010	10:45	4.93
OU2MW-39D	7/21/2010	9:30	4.99
OU2MW-42D	8/12/2010	9:15	2.19
OU2MW-43I2	7/15/2010	13:30	4.98
OU2MW-43D	7/16/2010	8:40	4.84
OU2MW-45D	8/17/2010	13:40	4.89
OU2MW-52S	7/14/2010	8:40	4.75
OU2MW-55I2	8/27/2010	8:55	4.77
OU2MW-55D	8/27/2010	9:10	4.97
OU2MW-56I2	8/27/2010	11:45	4.95
OU-4			
WCMW-01I	7/8/2010	11:40	3.65
WCMW-01I	8/23/2010	9:40	4.25
WCMW-01I	9/22/2010	10:05	4.01
WCMW-01D	7/8/2010	13:45	2.93
WCMW-01D	8/23/2010	9:00	3.44
WCMW-01D	9/22/2010	10:45	3.33
WCMW-03I	7/7/2010	13:15	3.48
WCMW-03I	8/23/2010	13:35	4.33
WCMW-03I2	7/7/2010	11:05	4.63
WCMW-03I2	8/23/2010	14:15	4.74
WCMW-04I	7/8/2010	9:55	4.79
WCMW-04I	9/17/2010	10:50	4.54
WCMW-04I2	7/8/2010	9:45	3.77
WCMW-04I2	8/23/2010	13:00	4.64
WCMW-04I2	9/17/2010	10:10	4.05
WCMW-05I2	7/7/2010	8:45	4.69
WCMW-05I2	8/23/2010	9:20	4.75
WCMW-11I	8/26/2010	11:45	3.27
WCMW-11D	8/26/2010	11:40	2.00
WCMW-11D	9/16/2010	11:50	2.97
WCMW-12D	7/6/2010	9:25	4.66
WCMW-13I	7/6/2010	13:35	4.35
WCMW-13D	7/6/2010	13:00	4.50
WCMW-14I2	7/8/2010	10:25	3.42
WCMW-14I2	8/24/2010	10:25	4.09
WCMW-14I2	9/21/2010	9:50	4.10
WCMW-14D	7/8/2010	11:05	3.79
WCMW-14D	9/22/2010	11:30	4.95
WCMW-17I2	7/8/2010	13:45	4.52
WCMW-24I	8/26/2010	10:05	4.25
WCMW-24I	9/16/2010	9:55	4.19

Appendix F
Distribution of pH Values <5 in Groundwater
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

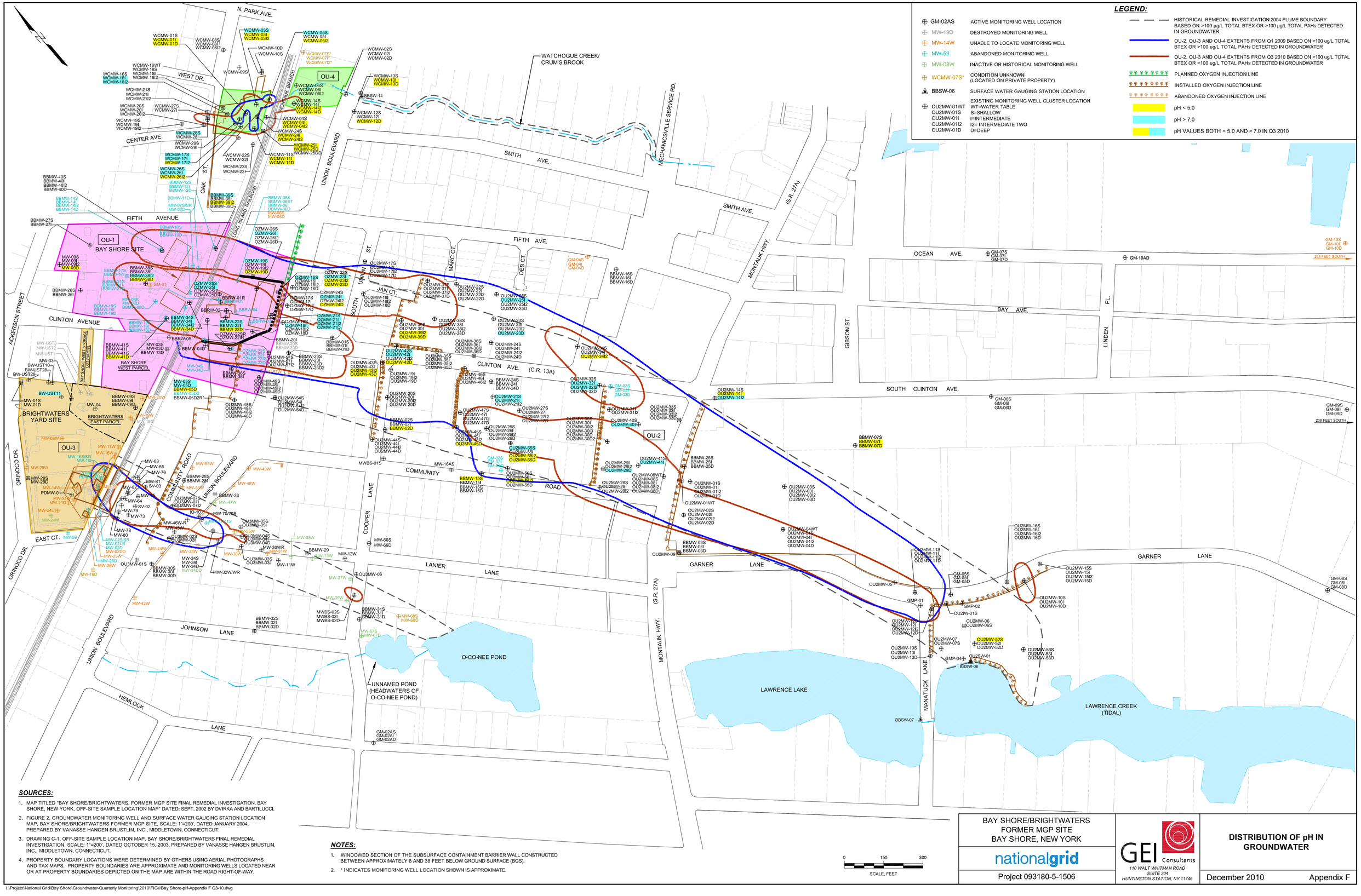
Monitoring Well	Sample Date	Sample Time	pH (S.U.)
OU-4			
WCMW-24I2	8/26/2010	10:50	3.91
WCMW-24I2	9/16/2010	11:00	4.02
WCMW-25I	7/8/2010	9:00	3.49
WCMW-25D	7/8/2010	8:55	2.11
WCMW-25D	8/25/2010	13:30	2.80
WCMW-25D	9/17/2010	9:30	2.82
WCMW-26I2	8/26/2010	9:10	2.40
WCMW-26I2	9/16/2010	11:20	3.89

Note:
S.U. - Standard Units

Appendix F
Distribution of pH Values >7 in Groundwater
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Monitoring Well	Sample Date	Sample Time	pH (S.U.)
OU-1			
BBMW-22I	8/6/2010	10:30	7.47
BBMW-22S	8/9/2010	14:45	7.24
BBMW-34I	8/4/2010	10:45	9.43
BBMW-34I2	8/4/2010	11:00	7.26
BBMW-34S	8/4/2010	12:15	7.91
BBMW-38I2	8/4/2010	10:25	7.01
BBMW-39S	8/4/2010	14:00	9.11
MW-05D	8/6/2010	11:10	8.06
MW-05S	8/6/2010	12:00	8.18
OZMW-16S	8/10/2010	10:10	7.01
OZMW-18I	8/10/2010	14:30	7.69
OZMW-19S	8/5/2010	14:40	7.01
OZMW-21D	8/6/2010	10:00	7.23
OZMW-21I	8/6/2010	9:25	7.43
OZMW-21I2	8/6/2010	9:05	7.59
OZMW-21S	8/5/2010	14:25	8.34
OZMW-23I	8/20/2010	8:40	7.78
OZMW-23I	9/15/2010	13:10	7.17
OZMW-24I	8/18/2010	14:55	7.15
OZMW-24I	9/15/2010	10:40	7.06
OZMW-25I	8/5/2010	13:25	8.96
OZMW-25S	8/5/2010	11:00	8.76
OZMW-26I	8/5/2010	10:55	7.34
OU-2			
OU2MW-14I2	8/25/2010	6:50	7.04
OU2MW-21I	8/20/2010	10:45	7.35
OU2MW-21S	8/20/2010	13:45	7.63
OU2MW-23D	8/16/2010	10:05	7.53
OU2MW-25I	8/13/2010	10:25	8.37
OU2MW-29D	8/11/2010	10:30	8.08
OU2MW-32I	8/10/2010	8:50	8.37
OU2MW-32I2	8/9/2010	13:45	7.78
OU2MW-40I	8/11/2010	14:20	7.45
OU2MW-41I	8/12/2010	14:25	7.70
OU2MW-42I	8/12/2010	10:05	7.77
OU2MW-42S	8/13/2010	9:20	7.60
OU2MW-55S	8/27/2010	9:50	7.33
OU-3			
BW-UST-11	9/13/2010	13:15	7.29
OU-4			
WCMW-03S	8/23/2010	11:35	8.24
WCMW-05S	8/23/2010	10:55	9.06
WCMW-16I	8/24/2010	13:45	10.27
WCMW-16I	8/24/2010	11:25	10.17
WCMW-16I2	8/24/2010	14:25	7.11
WCMW-17I	8/24/2010	9:50	10.45
WCMW-17I2	8/24/2010	10:40	8.31
WCMW-17S	8/24/2010	9:10	9.73
WCMW-26I	8/26/2010	10:10	8.99
WCMW-26S	8/26/2010	11:00	8.55
WCMW-28S	8/25/2010	13:05	9.56

Note:
S.U. - Standard Units



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

DISTRIBUTION OF pH IN GROUNDWATER

December 2010 Appendix F

I:\Project\National Grid\Bay Shore\Groundwater-Quarterly Monitoring\2010\FIGs\Bay Shore-pH-Appendix F Q3-10.dwg

Appendix G
Sulfate Concentrations (ug/L)
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Well ID	Screened Interval (ft)	2007					2008			2009									2010							
		Mar-07	Jun-07	Jul-07	Nov-07	Dec-07	May-08	Sep-08	Dec-08	Jan-09	Mar-09	May-09	Jun-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10
BBMW-01D	68.5 - 78.5	14600	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-01I	32 - 42	19100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-01S	5 - 15	59500	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-02D	73 - 83	18700	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-02I	30 - 40	13700	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-02S	5 - 15	17800	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-03D	52 - 62	--	--	--	7700	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-03I	30 - 40	--	--	--	22700	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-03S	3 - 13	--	--	--	15100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-04D	63 - 73	9700	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-05D	64 - 74	**284000**	--	--	--	--	--	--	--	--	--	--	**413000**	--	--	--	--	**486000**	--	--	--	--	--	--	--	--
BBMW-06D	66 - 76	**850000**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-06I	30 - 40	37100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-06S	5 - 15	36000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-07D	55 - 65	23900	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-08D	65 - 75	154000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-17I	30.5 - 40.5	15800	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-17S	5.5 - 15.5	26900	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-18D	60 - 70	**293000**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-18I	30 - 40	17000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-18S	6 - 16	29000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-19D	64.75 - 74.75	**535000**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-19I	29.6 - 39.6	179000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-19S	6 - 16	47200	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-20D	62 - 72	128000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-20I	35 - 45	159000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-20S	4 - 14	21700	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-22D	64 - 74	**580000**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-22I	30 - 40	69800	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-22S	5 - 10	38100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-23D	49.5 - 59.5	13300	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-23I	33 - 43	21400	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-23S	5 - 15	7100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-25D	62 - 72	--	--	8700	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-25I	25 - 35	--	--	17600	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-25S	4 - 14	--	--	16300	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-38D	65 - 70	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	14500	--
BBMW-38I	25 - 30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	23800	--
BBMW-38I2	40 - 45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	16700	--
BBMW-38S	5 - 15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	11600	--
BBMW-39D	65 - 70	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	49800	--
BBMW-39I	25 - 30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	19000	--
BBMW-39I2	45 - 50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	25000	--
BBMW-39S	5 - 15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5000 U	--
GM-05D	60.95 - 75.95	--	--	--	--	5000 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-05I	35.05 - 48.05	--	--	--	--	5000 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-05S	5.1 - 20.1	--	--	--	--	20200	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GMP-01	25 - 30	--	--	--	--	20000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GMP-04	15.5 - 20.5	--	--	--	--	9800	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-04D	35 - 45	14700	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-04S	4 - 14	5000 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-05D	35.5 - 45.5	18000	--	--	--	--	--	--	--	--	--	--	21700	--	--	--	--	16900	--	--	--	--	--	--	--	--
MW-05S	4 - 14	32700	--	--	--	--	--	--	--	--	--	--	9240	--	--	--	--	5000 U	--	--	--	--	--	--	--	--
MW-08D	35 - 45	17400	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-08S	2 - 12	16600	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-09D	65 - 70	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	40000	--	--	--	--	--	--	36400	--
MW-09I	30 - 40	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	19300	--
MW-09I2	45 - 50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	21000	--	--	--	--	--	--	23600	--
MW-09S	4 - 14	--	--	--	--	--	--	--	--	--	--	--	19000	--	--	--	--	16200	--	--	--	--	--	--	12000	--

Appendix G
Sulfate Concentrations (ug/L)
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Well ID	Screened Interval (ft)	2007					2008			2009									2010							
		Mar-07	Jun-07	Jul-07	Nov-07	Dec-07	May-08	Sep-08	Dec-08	Jan-09	Mar-09	May-09	Jun-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10
MWBS-02S	5 - 15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	27400	--	--	--	--
OU2IW-01S	3 - 8	--	--	15400	--	6600	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-01D	65 - 70	--	7000	7100	8100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-01I	35 - 40	--	37700	49200	42200	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-01I2	50 - 55	--	13300	11600	7900	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-01S	20 - 25	--	52000	48800	39100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-01WT	3 - 8	--	18500	17300	17100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-02D	65 - 70	--	--	--	7000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-02I	35 - 40	--	--	--	24600	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-02I2	50 - 55	--	--	--	11300	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-02S	20 - 25	--	--	--	7100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-03D	65 - 70	--	--	--	5500	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-03I	35 - 40	--	--	--	22900	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-03I2	50 - 55	--	--	--	15100 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-03S	20 - 25	--	--	--	43200	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-04D	65 - 70	--	--	--	9700	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-04I	35 - 40	--	--	--	30500	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-04I2	50 - 55	--	--	--	6200	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-04S	20 - 25	--	--	--	19900	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-04WT	3 - 8	--	--	--	10700	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-05	25 - 35	--	--	--	--	17800	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-06	15 - 25	--	--	--	12200	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-06S	3 - 8	--	--	--	12100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-07	15 - 25	--	--	--	14000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-07S	3 - 8	--	--	--	11000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08D	65 - 70	--	8500	6600	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08I	35 - 40	--	27900	19400	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08I2	50 - 55	--	34400	36000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08S	20 - 25	--	23000	25800	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08WT	3 - 8	--	19900	21800	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-09	30 - 40	--	--	--	--	18900	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-10D	35 - 40	--	--	--	--	5000 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-10I	20 - 25	--	--	--	--	7000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-10S	3 - 7	--	--	--	--	11800	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-11D	40 - 45	--	13100	7100	--	5600	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-11I	20 - 25	--	28000	6900	--	20100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-11I2	30 - 35	--	25800	5000 U	--	30900	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-11S	3 - 8	--	11000	17000	--	15000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-12D	40 - 45	--	20000	23300	--	7500	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-12I	20 - 25	--	32800	38900	--	27500	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-12I2	30 - 35	--	24300	32700	--	17300	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-12S	3 - 7	--	20800	28400	--	10000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-13D	35 - 40	--	--	--	--	27900	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-13I	20 - 25	--	--	--	--	32300	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-13S	3 - 8	--	--	--	--	13800	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-14S	3 - 8	--	--	--	--	9500	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15D	40 - 45	--	--	--	--	5000 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15I	20 - 25	--	--	--	--	27300	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15I2	30 - 35	--	--	--	--	25000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15S	3 - 8	--	--	--	--	8900	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16D	35 - 40	--	--	--	--	5400	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16I	15 - 20	--	--	--	--	22900	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16I2	25 - 30	--	--	--	--	30600	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16S	3 - 8	--	--	--	--	8200	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-17D	60 - 75	--	--	--	--	--	133000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-17I	13 - 23	--	--	--	--	--	9900	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-17I2	35 - 45	--	--	--	--	--	27500	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-17S	5 - 10	--	--	--	--	--	18500	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-18D	60 - 70	--	--	--	--	--	225000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Appendix G
Sulfate Concentrations (ug/L)
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Well ID	Screened Interval (ft)	2007					2008			2009									2010							
		Mar-07	Jun-07	Jul-07	Nov-07	Dec-07	May-08	Sep-08	Dec-08	Jan-09	Mar-09	May-09	Jun-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10
OU2MW-18I	13 - 23	--	--	--	--	--	26900	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-18I2	35 - 45	--	--	--	--	--	37800	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-19D	65 - 70	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**319000**	--	**371000**	--	--	--	--
OU2MW-19I	13 - 23	--	--	--	--	--	5000 U	--	--	--	--	--	--	--	--	--	--	--	--	15600	--	49600	--	--	--	--
OU2MW-19I2	35 - 45	--	--	--	--	--	122000	--	--	--	--	--	--	--	--	--	--	--	--	8510	--	5560	--	--	--	--
OU2MW-20D	65 - 70	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	22700	--	54200	--	--	--	--
OU2MW-20I	13 - 23	--	--	--	--	--	6100	--	--	--	--	--	--	--	--	--	--	--	--	71500	--	35000	--	--	--	--
OU2MW-20I2	35 - 45	--	--	--	--	--	20200	--	--	--	--	--	--	--	--	--	--	--	--	16600	--	16600	--	--	--	--
OU2MW-20S	4 - 9	--	--	--	--	--	19900	--	--	--	--	--	--	--	--	--	--	--	--	39000	--	14500	--	--	--	--
OU2MW-21I	13 - 23	--	--	--	--	--	79000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-21I2	35 - 45	--	--	--	--	--	16300	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-22D	67 - 72	--	--	--	--	--	--	--	--	100000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-22I	25 - 30	--	--	--	--	--	--	--	--	5990	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-22I2	46 - 51	--	--	--	--	--	--	--	--	24500	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-22S	5 - 15	--	--	--	--	--	--	--	--	22400	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-23D	65 - 70	--	--	--	--	--	--	--	48400	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-23I	25 - 30	--	--	--	--	--	--	--	15200	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-23I2	45 - 50	--	--	--	--	--	--	--	22400	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-23S	5 - 15	--	--	--	--	--	--	--	5000 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-24D	62 - 67	--	--	--	--	--	--	--	21800	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-24I	25 - 30	--	--	--	--	--	--	--	7920	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-24I2	45 - 50	--	--	--	--	--	--	--	83700	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-24S	5 - 15	--	--	--	--	--	--	--	10600	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-25D	70 - 75	--	--	--	--	--	--	--	82500	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-25I	25 - 30	--	--	--	--	--	--	--	8970	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-25I2	45 - 50	--	--	--	--	--	--	--	23000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-25S	5 - 15	--	--	--	--	--	--	--	30100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-26D	60 - 70	--	--	--	--	--	22600	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-26I	13 - 23	--	--	--	--	--	16200	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-26I2	35 - 45	--	--	--	--	--	13500	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-26S	6 - 11	--	--	--	--	--	8900	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28I	28 - 33	--	--	--	--	--	--	10300	--	--	--	5000 U	--	14900	--	--	20000	--	20400	--	--	30400	--	--	18400	--
OU2MW-28I2	40 - 45	--	--	--	--	--	--	27600	--	--	--	27800	--	25700	--	--	27100	--	27500	--	--	33800	--	--	48800	--
OU2MW-28S	5 - 15	--	--	--	--	--	--	18200	--	--	--	21400	--	32900	--	--	27900	--	29400	--	--	27600	--	--	21000	--
OU2MW-29D	45 - 50	--	--	--	--	--	--	20800	--	--	--	16000	--	35400	--	--	22500	--	19500	--	--	22400	--	--	21600	--
OU2MW-29I	18 - 23	--	--	--	--	--	--	5000 U	--	--	--	5000 U	--	10600	--	--	5000 U	--	34700	--	--	64200	--	--	82900	--
OU2MW-29I2	30 - 35	--	--	--	--	--	--	5000 U	--	--	--	12800	--	33800	--	--	55700	--	28800	--	--	5000 U	--	--	42600	--
OU2MW-30D	50 - 55	--	--	--	--	--	--	27500	--	--	--	27900	--	42300	--	--	43900	--	38500	--	--	45400	--	--	49900	--
OU2MW-30D2	60 - 65	--	--	--	--	--	--	36700	--	--	--	26500	--	31900	--	--	28300	--	23400	--	--	18200	--	--	--	--
OU2MW-30I	25 - 30	--	--	--	--	--	--	20900	--	--	--	19800	--	29700	--	--	49800	--	46400	--	--	49100	--	--	--	--
OU2MW-30I2	30 - 35	--	--	--	--	--	--	23200	--	--	--	21200	--	43000	--	--	55500	--	65400	--	--	44100	--	--	46100	--
OU2MW-30I3	45 - 50	--	--	--	--	--	--	22500	--	--	--	23200	--	42900	--	--	46300	--	37400	--	--	56700	--	--	49800	--
OU2MW-30S	5 - 15	--	--	--	--	--	--	24100	--	--	--	35800	--	27600	--	--	26300	--	16800	--	--	31400	--	--	--	--
OU2MW-31I	18 - 23	--	--	--	--	--	--	9910	--	--	--	9280	--	8610	--	--	24500	--	28300	--	--	48600	--	--	44200	--
OU2MW-31I2	30 - 35	--	--	--	--	--	--	17500	--	--	--	27400	--	11600	--	--	17900	--	18700	--	--	26100	--	--	62300	--
OU2MW-32D	40 - 45	--	--	--	--	--	--	15500	--	--	--	15700	--	25600	--	--	26000	--	23100	--	--	24900	--	--	23800	--
OU2MW-32I	20 - 25	--	--	--	--	--	--	5000 U	--	--	--	5000 U	--	5000 U	--	--	11300	--	5000 U	--	--	7820	--	--	48800	--
OU2MW-32I2	30 - 35	--	--	--	--	--	--	6540	--	--	--	14600	--	14900	--	--	16300	--	17800	--	--	25500	--	--	24400	--
OU2MW-32S	5 - 15	--	--	--	--	--	--	7690	--	--	--	12400	--	5700	--	--	11000	--	9580	--	--	9970	--	--	6650	--
OU2MW-35D	57 - 62	--	--	--	--	--	--	--	--	192000	--	--	141000	--	156000	--	--	117000	--	117000	--	148000	--	--	**315000**	--
OU2MW-35I	25 - 30	--	--	--	--	--	--	--	--	16400	--	--	23400	--	35900	--	--	45100	--	49400	--	70800	--	--	54200	--
OU2MW-35I2	45 - 50	--	--	--	--	--	--	--	--	42400	--	--	89600	--	35700	--	--	27100	--	30000	--	25700	--	--	83100	--
OU2MW-35S	5 - 15	--	--	--	--	--	--	--	25900	--	--	--	45200	--	30100	--	--	39400	--	14200	--	18600	--	--	50700	--
OU2MW-36D	61 - 66	--	--	--	--	--	--	--	29700	--	--	--	167000	--	160000	--	--	150000	--	108000	--	95400	--	--	102000	--
OU2MW-36I	25 - 30	--	--	--	--	--	--	--	23900	--	--	--	24800	--	25700	--	--	33800	--	45000	--	69500	--	--	83700	--
OU2MW-36I2	45 - 50	--	--	--	--	--	--	--	56400	--	--	--	49300	--	30900	--	--	71700	--	33400	--	76500	--	--	82900	--
OU2MW-36S	5 - 15	--	--	--	--	--	--	--	18000	--	--	--	13400	--	16900	--	--	16800	--	16600	--	18300	--	--	11000	--
OU2MW-37D	67 - 72	--	--	--	--	--	--	--	--	**396000**	--	--	**322000**	--	**282000**	--	--	**302000**	--	172000	--	176000	--	--	115000	--
OU2MW-37I	25 - 30	--	--	--	--	--	--	--	--	20300	--	--	21500	--	21100	--	--	46500	--	22800	--	26200	--	--	11200	--

Appendix G
Sulfate Concentrations (ug/L)
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Well ID	Screened Interval (ft)	2007					2008			2009									2010							
		Mar-07	Jun-07	Jul-07	Nov-07	Dec-07	May-08	Sep-08	Dec-08	Jan-09	Mar-09	May-09	Jun-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10
OU2MW-37I2	45 - 50	--	--	--	--	--	--	--	--	27000	--	--	34300	--	45800	--	--	34700	--	29900	--	30100	--	--	34300	--
OU2MW-37S	5 - 15	--	--	--	--	--	--	--	--	14200	--	--	14500	--	13700	--	--	9820	--	10500	--	11200	--	--	11300	--
OU2MW-38D	56 - 61	--	--	--	--	--	--	--	--	195000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-38I	25 - 30	--	--	--	--	--	--	--	--	18700	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-38I2	46 - 51	--	--	--	--	--	--	--	--	31900	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-38S	5 - 15	--	--	--	--	--	--	--	--	23400	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39D	70 - 75	--	--	--	--	--	--	--	--	26100	--	--	194000	--	**260000**	--	--	**270000**	--	**293000**	--	**356000**	--	--	**390000**	--
OU2MW-39I	25 - 30	--	--	--	--	--	--	--	--	20900	--	--	48200	--	105000	--	--	65000	--	31900	--	30300	--	--	164000	--
OU2MW-39I2	45 - 50	--	--	--	--	--	--	--	--	26900	--	--	45700	--	39400	--	--	47000	--	36000	--	48600	--	--	62400	--
OU2MW-39S	5 - 15	--	--	--	--	--	--	--	--	25600	--	--	17800	--	19200	--	--	18900	--	18800	--	18000	--	--	13900	--
OU2MW-40I	18 - 23	--	--	--	--	--	--	12400	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-40S	5 - 15	--	--	--	--	--	--	16800	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-41I	18 - 23	--	--	--	--	--	--	9010	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-41S	5 - 15	--	--	--	--	--	--	14900	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42D	60 - 65	--	--	--	--	--	--	--	--	--	**322000**	--	**485000**	--	**606000**	--	--	**711000**	--	**595000**	--	**731000**	--	--	**841000**	--
OU2MW-42I	25 - 30	--	--	--	--	--	--	--	--	--	34000	--	18800	--	91300	--	--	48500	--	39900	--	30700	--	--	19700	--
OU2MW-42I2	45 - 50	--	--	--	--	--	--	--	--	--	18800	--	19800	--	24300	--	--	21400	--	31800	--	82300	--	--	45300	--
OU2MW-42S	5 - 15	--	--	--	--	--	--	--	--	--	24300	--	26300	--	29600	--	--	39000	--	15900	--	14300	--	--	24000	--
OU2MW-43D	65 - 70	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**693000**	--	--	**612000**	--	**636000**	--	--	--	--
OU2MW-43I	25 - 30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5000 U	--	--	5000 U	--	5000 U	--	--	--	--
OU2MW-43I2	45 - 50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	7030	--	--	12100	--	5880	--	--	--	--
OU2MW-43S	5 - 15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	19700	--	--	48500	--	54200	--	--	--	--
OU2MW-44D	65 - 70	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	37400	--	--	27100	--	26900	--	--	--	--
OU2MW-44I	25 - 30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	18000	--	--	25700	--	23900	--	--	--	--
OU2MW-44I2	45 - 50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	18400	--	--	14700	--	12900	--	--	--	--
OU2MW-44S	5 - 15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	21500	--	--	18800	--	18100	--	--	--	--
OU2MW-45D	55 - 60	--	--	--	--	--	--	--	--	25500	--	22400	--	--	27200	--	--	21100	--	16000	--	11700	--	--	13900	--
OU2MW-45I	20 - 25	--	--	--	--	--	--	--	--	20000	--	15800	--	--	28600	--	--	23000	--	5000 U	--	9480	--	--	80100	--
OU2MW-45I2	40 - 45	--	--	--	--	--	--	--	--	25700	--	13100	--	--	31500	--	--	32200	--	37800	--	21400	--	--	19600	--
OU2MW-45S	5 - 15	--	--	--	--	--	--	--	--	11900	--	13700	--	--	7860	--	--	7560	--	9380	--	10300	--	--	23600	--
OU2MW-46I	20 - 25	--	--	--	--	--	--	--	--	37600	--	39200	--	--	122000	--	--	111000	--	108000	--	39900	--	--	24300	--
OU2MW-46I2	40 - 45	--	--	--	--	--	--	--	--	41900	--	80000	--	--	44600	--	--	31600	--	29700	--	18000	--	--	34800	--
OU2MW-46S	5 - 15	--	--	--	--	--	--	--	--	14100	--	17800	--	--	41600	--	--	35800	--	22800	--	23200	--	--	21800	--
OU2MW-47D	60 - 65	--	--	--	--	--	--	--	--	33200	--	35300	--	--	197000	--	--	117000	--	78900	--	41600	--	--	45300	--
OU2MW-47I	20 - 25	--	--	--	--	--	--	--	--	5000 U	--	7590	--	--	22300	--	--	22000	--	25000	--	31300	--	--	72800	--
OU2MW-47I2	40 - 45	--	--	--	--	--	--	--	--	36100	--	27000	--	--	38400	--	--	25100	--	30400	--	20100	--	--	16400	--
OU2MW-47S	5 - 15	--	--	--	--	--	--	--	--	13200	--	16700	--	--	17800	--	--	8190	--	20900	--	15300	--	--	21700	--
OU2MW-48D	65 - 70	--	--	--	--	--	--	--	--	--	--	--	22800	--	--	--	--	33500	23100	--	--	10200 J	--	--	7850	--
OU2MW-48I	25 - 30	--	--	--	--	--	--	--	--	--	--	--	15900	--	--	--	--	18000	21300	--	--	23000 J	--	--	14300	--
OU2MW-48I2	45 - 50	--	--	--	--	--	--	--	--	--	--	--	15800	--	--	--	--	19700	17200	--	--	17700 J	--	--	--	14700
OU2MW-48S	3 - 13	--	--	--	--	--	--	--	--	--	--	--	8710	--	--	--	--	14800	16500	--	--	14100 J	--	--	22300	--
OU2MW-49D	63 - 68	--	--	--	--	--	--	--	--	--	--	--	14200	--	--	--	--	6370	5830	--	--	13100 J	--	--	12800	--
OU2MW-49I	25 - 30	--	--	--	--	--	--	--	--	--	--	--	17600	--	--	--	--	15600	22300	--	--	16200 j	--	--	20600	--
OU2MW-49I2	45 - 50	--	--	--	--	--	--	--	--	--	--	--	16400	--	--	--	--	21700	22100	--	--	23600 J	--	--	23500	--
OU2MW-49S	3 - 13	--	--	--	--	--	--	--	--	--	--	--	22300	--	--	--	--	28900	17700	--	--	18400 J	--	--	30100	--
OU2MW-52D	35 - 40	--	--	--	--	--	--	--	--	--	--	--	16500	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-52I	20 - 25	--	--	--	--	--	--	--	--	--	--	--	22400	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-52S	3 - 8	--	--	--	--	--	--	--	--	--	--	--	7560	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53D	35 - 40	--	--	--	--	--	--	--	--	--	--	--	10200	--	--	--	--	--	--	--	--	--	--	--	17500	--
OU2MW-53I	20 - 25	--	--	--	--	--	--	--	--	--	--	--	5000 U	--	--	--	--	--	--	--	--	--	--	--	19100	--
OU2MW-53S	3 - 8	--	--	--	--	--	--	--	--	--	--	--	7020	--	--	--	--	--	--	--	--	--	--	--	8450	--
OU2MW-54D	60 - 65	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	20700	--	18100	--	--	--	--	--
OU2MW-54I	25 - 30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17200	--	16700	--	--	--	--	--
OU2MW-54I2	40 - 45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	14400	--	67900	--	--	--	--	--
OU2MW-54S	5 - 15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	8620	--	14100	--	--	--	--	--
OU2MW-55D	65 - 70	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	7540	--	--	--
OU2MW-55I	30 - 35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	19400	--	--	--
OU2MW-55I2	50 - 55	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	37200	--	--	--
OU2MW-55S	5 - 15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	14300	--	--	--

Appendix G
Sulfate Concentrations (ug/L)
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Well ID	Screened Interval (ft)	2007					2008			2009									2010							
		Mar-07	Jun-07	Jul-07	Nov-07	Dec-07	May-08	Sep-08	Dec-08	Jan-09	Mar-09	May-09	Jun-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10
OU2MW-56D	65 - 70	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	25500	--	--	--
OU2MW-56I	25 - 30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	37200	--	--	--
OU2MW-56I2	45 - 50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	20500	--	--	--
OU2MW-56S	5 - 15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	19300	--	--	--
OU3MW-01S	3 - 13	--	--	--	--	--	--	--	--	--	--	--	--	--	5910	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02I	15 - 20	--	--	--	--	--	--	--	--	--	--	--	--	--	18500	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02S	3 - 13	--	--	--	--	--	--	--	--	--	--	--	--	--	35200	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I	15 - 20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	24000	17700	28300 J	28000	--	--	--
OU3MW-07I2	20 - 25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	32800	21600	21900 J	22400	--	--	--
OU3MW-07S	3 - 13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	13300	26800 J	88200 J	126000	--	--	--
OZMW-16D	55 - 65	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	46400	--
OZMW-16I	20 - 30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	12100	--
OZMW-16I2	35 - 45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	31600	--
OZMW-16S	5 - 15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	68700	--
OZMW-17D	53 - 63	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**368000**	--
OZMW-17I	20 - 30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	8810	--
OZMW-17I2	35 - 45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17800	--
OZMW-17S	5 - 15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	27400	--
OZMW-18D	55 - 65	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**343000**	--
OZMW-18I	20 - 30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5000 U	--
OZMW-18I2	35 - 45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5000 U	--
OZMW-18S	5 - 15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	39000	--
OZMW-19D	55 - 65	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	26400	--
OZMW-19I	20 - 30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6480	--
OZMW-19I2	35 - 45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	10200	--
OZMW-19S	5 - 15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	19100	--
OZMW-21D	55 - 65	--	--	--	--	--	--	--	--	--	--	--	--	--	--	34000	--	--	--	--	--	--	--	--	32100	--
OZMW-21I	20 - 30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5000 U	--	--	--	--	--	--	--	--	5000 U	--
OZMW-21I2	35 - 45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5000 U	--	--	--	--	--	--	--	--	5000 U	--
OZMW-21S	5 - 15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	12800	--	--	--	--	--	--	--	--	5000 U	--
OZMW-22D	55 - 65	--	--	--	--	--	--	--	--	--	--	--	--	--	--	18500	--	--	--	--	--	--	--	--	--	--
OZMW-22I	20 - 30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	16600	--	19900	--	--	--	--	--	--	--	--
OZMW-22I2	35 - 45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	14000	--	--	--	--	--	--	--	--	--	--
OZMW-22IR	20 - 30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	21100	--
OZMW-22S	5 - 15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5000 U	--	5000 U	--	--	--	--	--	--	--	--
OZMW-22SR	5 - 15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5000 U	--
OZMW-23D	55 - 65	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**1460000**	--	**974000**	--	--	--	--	--	--	110000	--
OZMW-23I	20 - 30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	29700	--	46100	--	--	--	--	--	--	14800	--
OZMW-23I2	35 - 45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	105000	--	90500	--	--	--	--	--	--	87500	--
OZMW-23S	5 - 15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	10800	--	87500	--	--	--	--	--	--	31700	--
OZMW-24D	55 - 65	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**2470000**	--	--	--	--	--	--	--	--	**1080000**	--
OZMW-24I	20 - 30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5000 U	--	--	--	--	--	--	--	--	5000 U	--
OZMW-24I2	35 - 45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	41300	--	--	--	--	--	--	--	--	41300	--
OZMW-24S	5 - 15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	13400	--	--	--	--	--	--	--	--	35300	--
OZMW-25D	55 - 65	--	--	--	--	--	--	--	--	--	--	--	31100	--	--	19500	--	13300	--	--	--	17400	--	--	14400	--
OZMW-25I	20 - 30	--	--	--	--	--	--	--	--	--	--	--	8500	--	--	5000 U	--	11300	--	--	--	5000 U	--	--	5000 U	--
OZMW-25I2	35 - 45	--	--	--	--	--	--	--	--	--	--	--	15500	--	--	11700	--	11000	--	--	--	13900	--	--	7100	--
OZMW-25S	5 - 15	--	--	--	--	--	--	--	--	--	--	--	27700	--	--	28200	--	16700	--	--	--	12400	--	--	5000 U	--
OZMW-26D	55 - 65	--	--	--	--	--	--	--	--	--	--	--	--	--	--	30200	--	--	--	--	--	--	--	--	19700	--
OZMW-26I	20 - 30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	16000	--	--	--	--	--	--	--	--	16700	--
OZMW-26I2	35 - 45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	28800	--	--	--	--	--	--	--	--	11900	--
OZMW-26S	5 - 15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5000 U	--	--	--	--	--	--	--	--	6010	--
WCMW-01D	64 - 74	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**6460000**	--	**4210000**	--	--
WCMW-01I	35 - 45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	66900	--	47200	--	--
WCMW-01S	2 - 12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**2590000**	--	**4250000**	--	--
WCMW-02D	62 - 72	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5000 U	--	5000 U	--	--
WCMW-02I	34.5 - 44.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5720	--	33200	--	--
WCMW-02S	3 - 13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17600	--	17700	--	--
WCMW-03I	19.4 - 24.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	40600	--	--	--	--

Appendix G
Sulfate Concentrations (ug/L)
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Well ID	Screened Interval (ft)	2007					2008			2009									2010							
		Mar-07	Jun-07	Jul-07	Nov-07	Dec-07	May-08	Sep-08	Dec-08	Jan-09	Mar-09	May-09	Jun-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10
WCMW-03I2	28.55 - 33.55	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	25000	--	--	--	--
WCMW-03S	4.83 - 9.83	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**6280000**	--	--	--	--
WCMW-04I	19 - 24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	83800	--	--	--	--
WCMW-04I2	29.85 - 34.85	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	132000	--	--	--	--
WCMW-04S	1.6 - 11.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**2160000**	--	--	--	--
WCMW-05I	19.61 - 24.61	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	15800	--	--	--	--
WCMW-05I2	29.46 - 34.46	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	23700	--	--	--	--
WCMW-05S	1.15 - 11.15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**3670000**	--	--	--	--
WCMW-06I	19.55 - 24.55	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	11100 J	--	--	--	--
WCMW-06I2	29.83 - 34.83	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	28900 J	--	--	--	--
WCMW-06S	2 - 12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	12300 J	--	--	--	--
WCMW-10D	40 - 50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	37800 J	--	--	--	--
WCMW-10S	15 - 20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	19000 J	--	--	--	--
WCMW-13D	65 - 70	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5000 U	--	--
WCMW-13I	25 - 30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	8190	--	--
WCMW-13S	3 - 13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17200	--	--
WCMW-14D	67 - 72	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6840	--	**1180000**	--	--
WCMW-14I	20 - 25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	40300	--	5000 U	--	--
WCMW-14I2	30 - 35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	90500	--	47600	--	--
WCMW-14S	2 - 12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	83700	--	25200	--	--
WCMW-16I	20 - 25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5000 UJ	--	5000 U	--	--
WCMW-16I2	30 - 35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	23300 J	--	26400	--	--
WCMW-16S	2 - 12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	162000 J	--	5000 U	--	--
WCMW-17I	20 - 25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**382000 J**	--	--	--	--
WCMW-17I2	30 - 35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	175000 J	--	--	--	--
WCMW-17S	2 - 12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**773000 J**	--	--	--	--
WCMW-18I	20 - 25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	24600 J	--	--	--	--
WCMW-18I2	30 - 35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	22500 J	--	--	--	--
WCMW-18S	2 - 12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	16300	--	--	--	--
WCMW-18WT	2 - 7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	46400	--	--	--	--
WCMW-19I	20 - 25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17700 J	--	17900	--	--
WCMW-19I2	30 - 35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	22500 J	--	28000	--	--
WCMW-19S	2 - 12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	14300 J	--	21000	--	--
WCMW-25D	55 - 60	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**7810000**	--	--	--	--
WCMW-25I	30 - 35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**278000**	--	--	--	--

Notes:

Values shown in micrograms per liter (ug/L) or parts per billion (ppb)

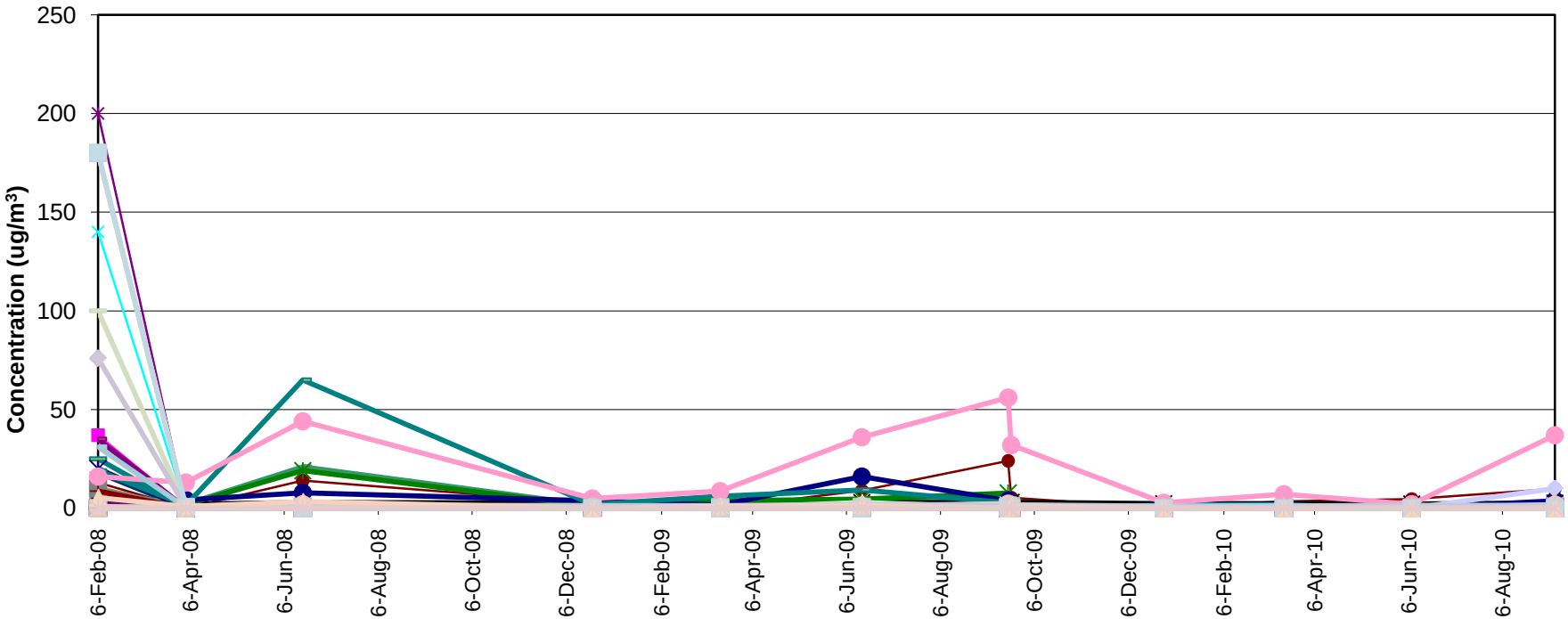
NYS AWQS - New York State Ambient Water Quality Standards and Guidance Values for GA groundwater

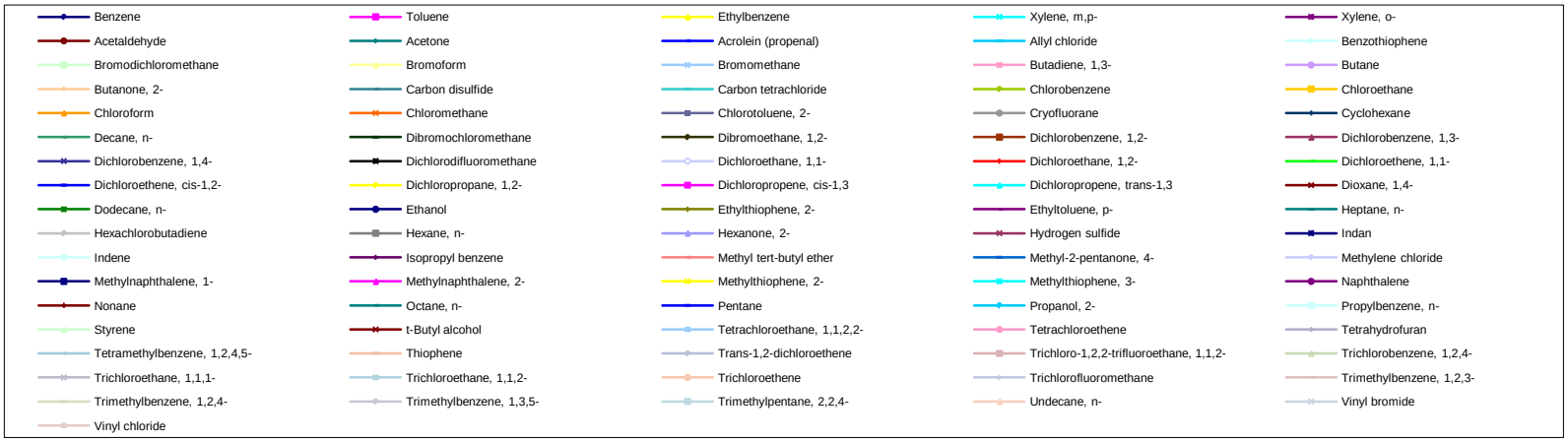
Shading and bolding indicates that the detected result value exceeds the New York State Ambient Water Quality Standards and Guidance Values for GA groundwater for sulfate (250,000 ug/L)

-- Not Analyzed

Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

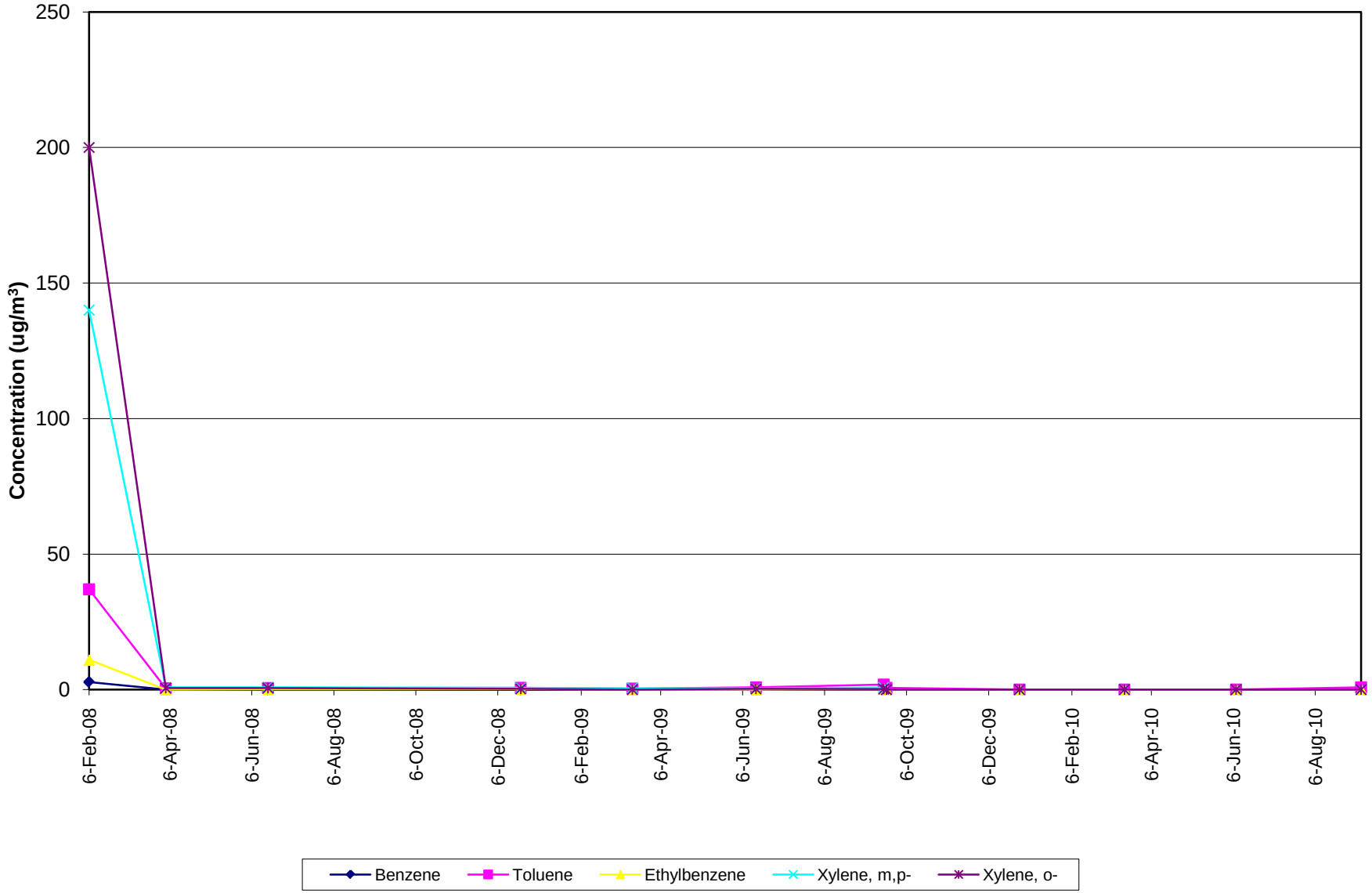
OU1SG-06





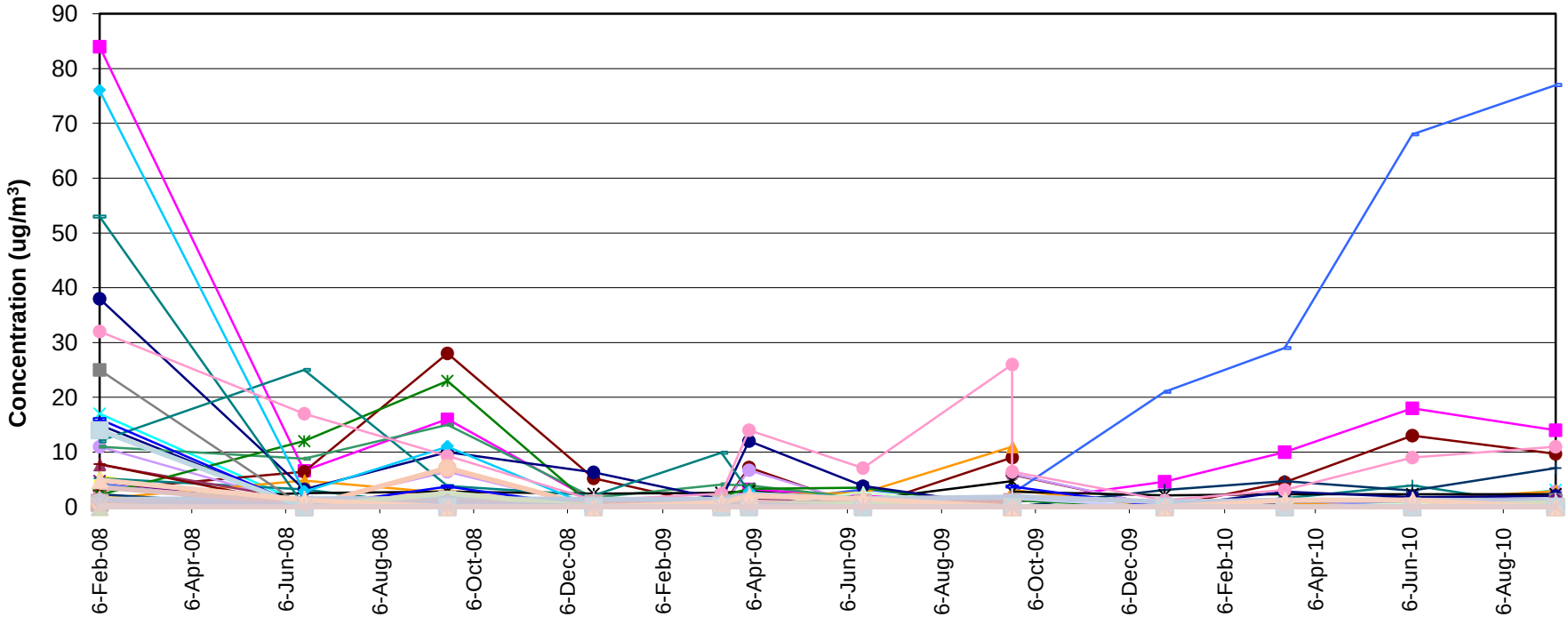
Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

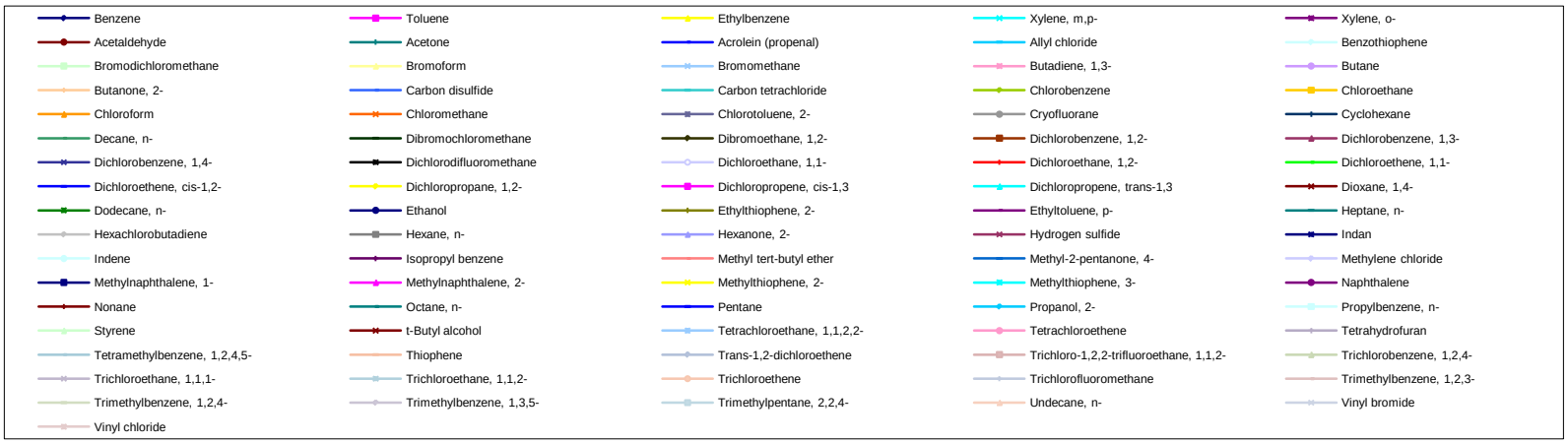
OU1SG-06 BTEX



Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

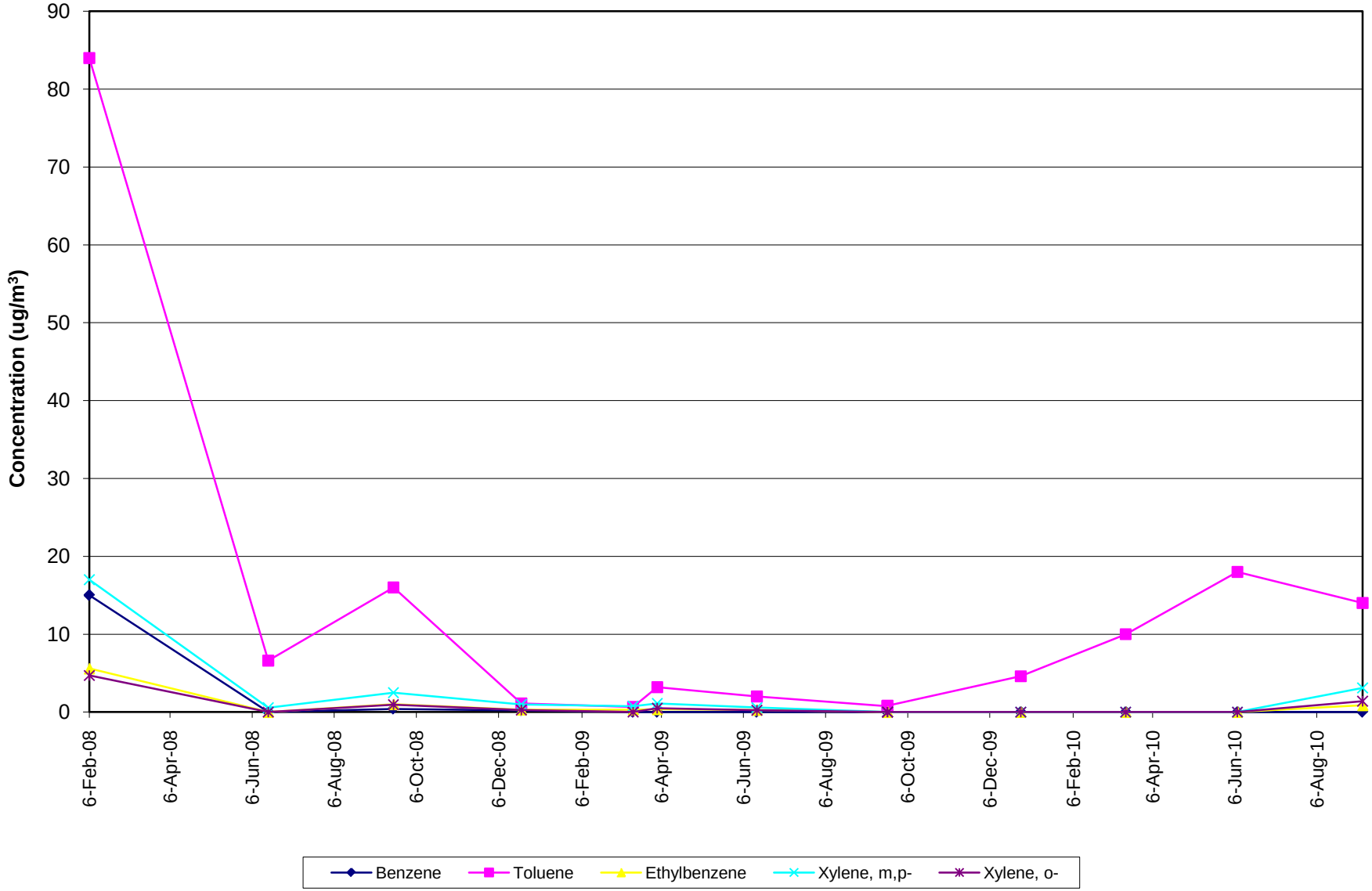
OU1SG-07





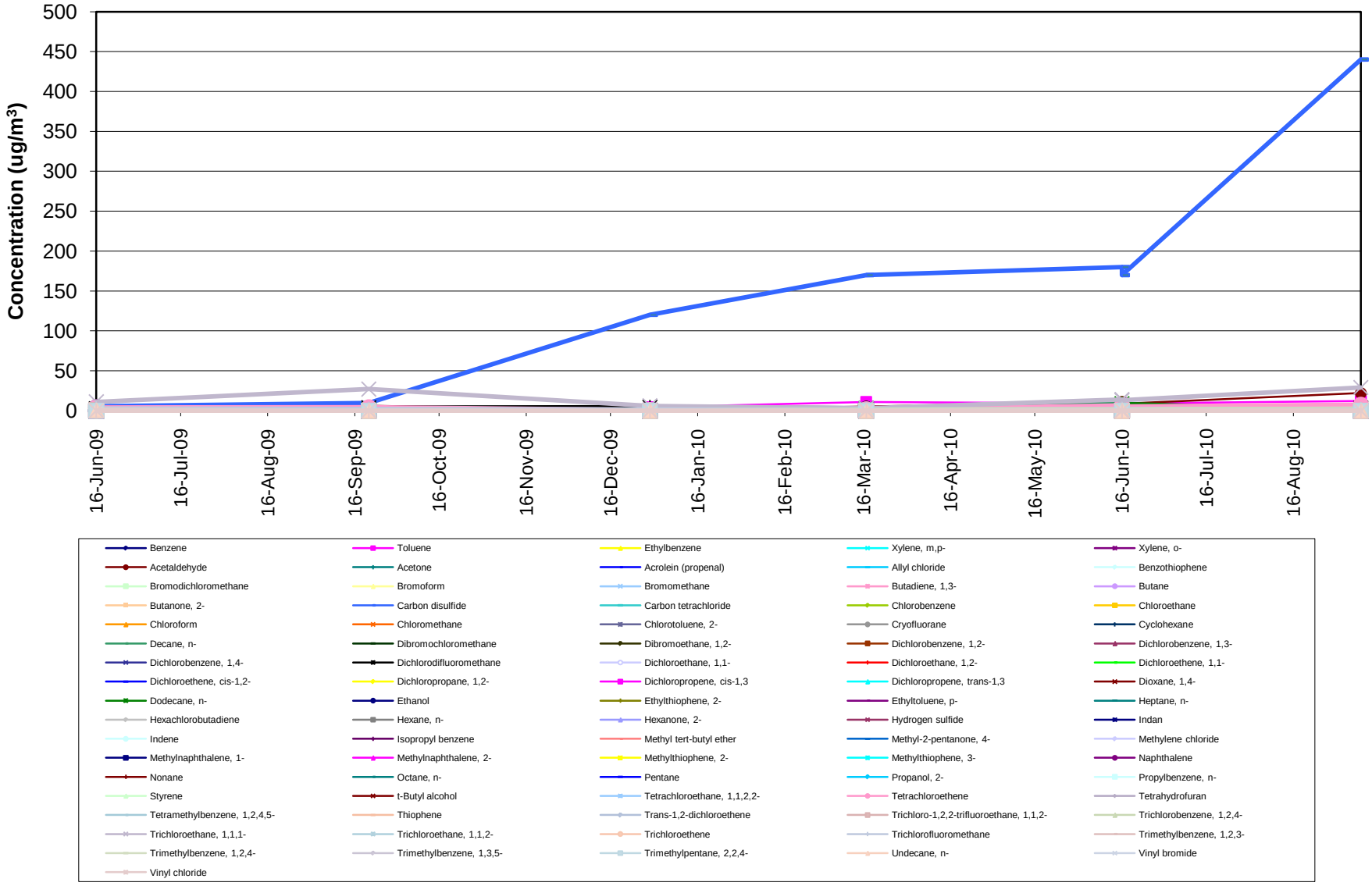
Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU1SG-07 BTEX

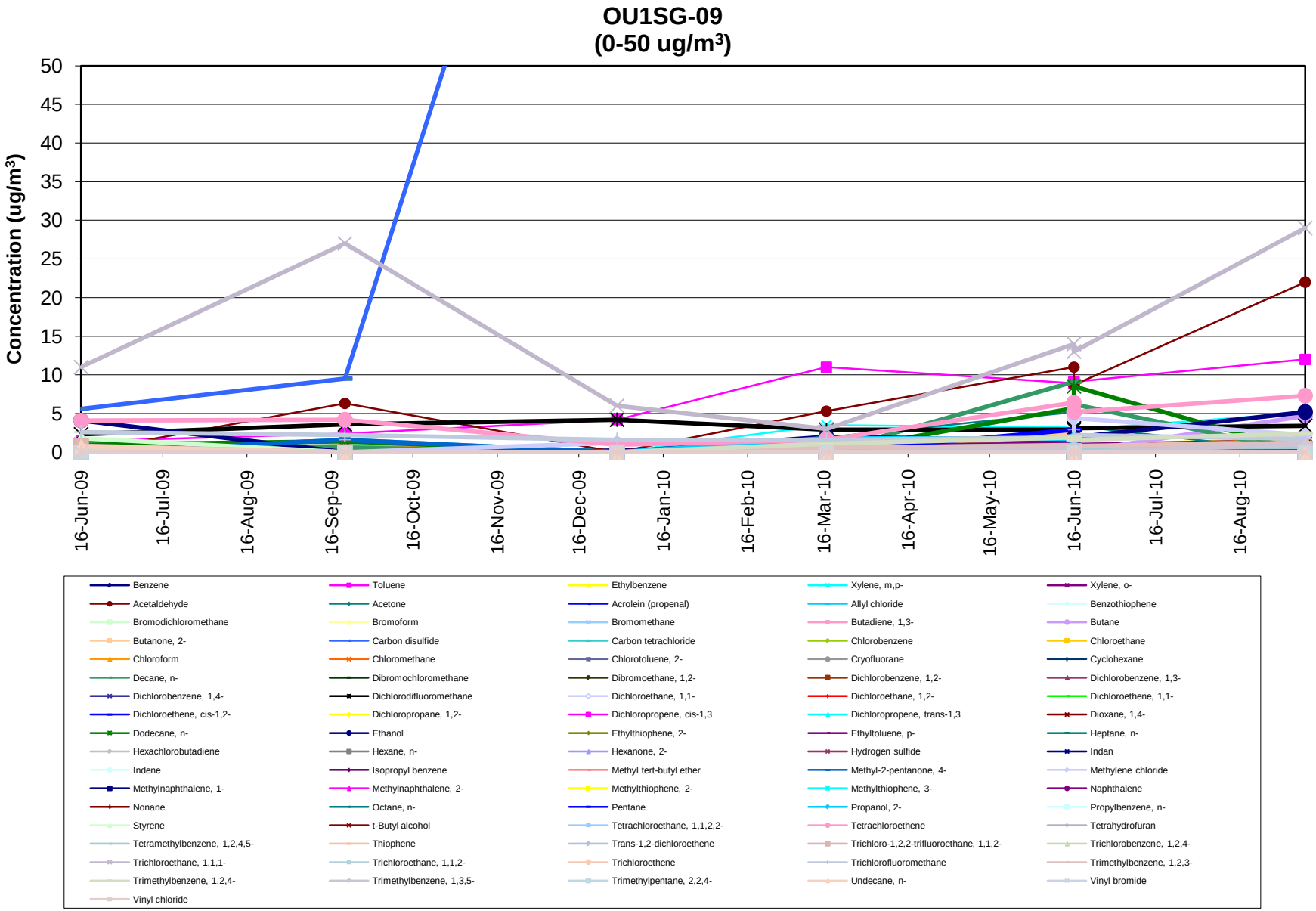


Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU1SG-09

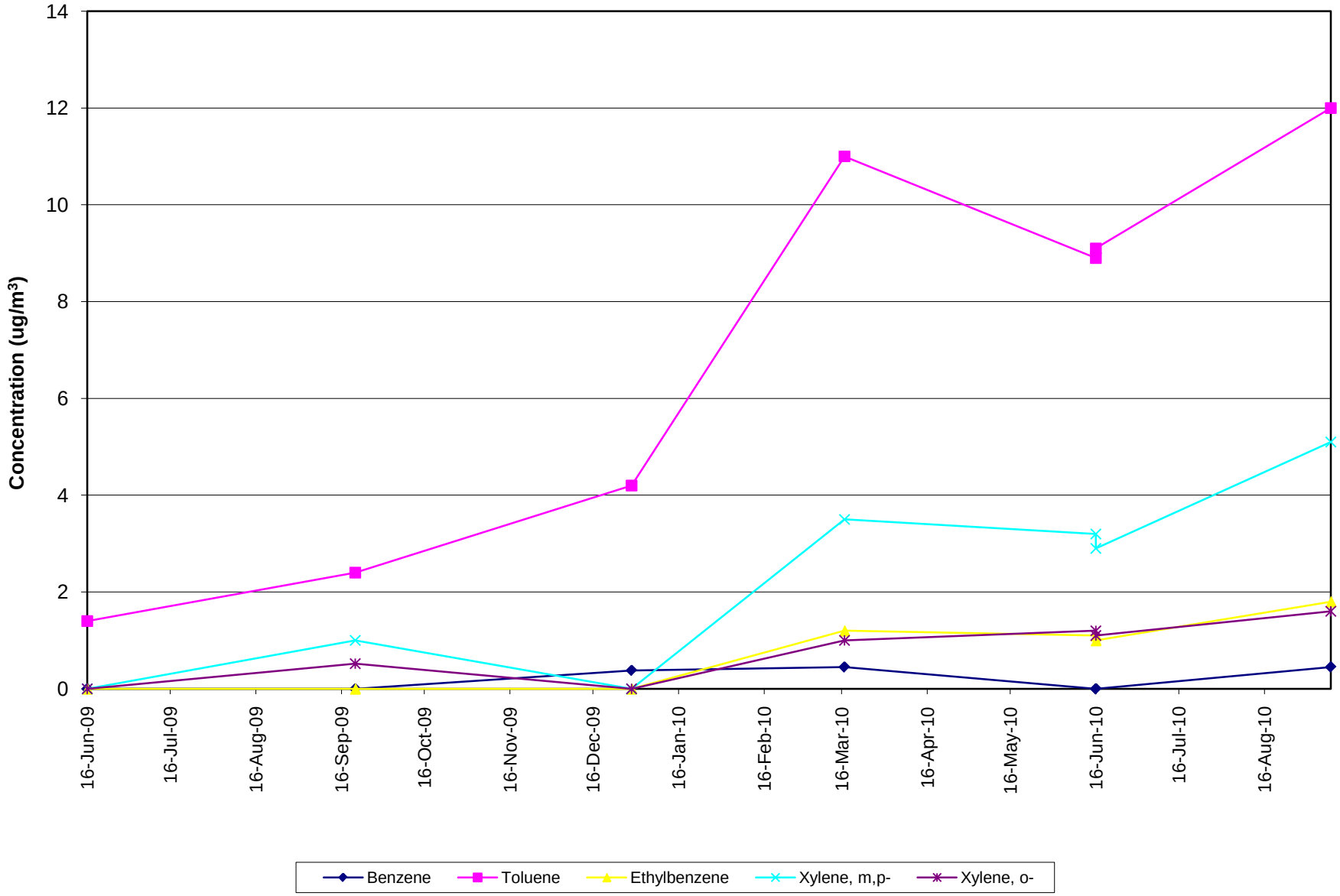


Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site



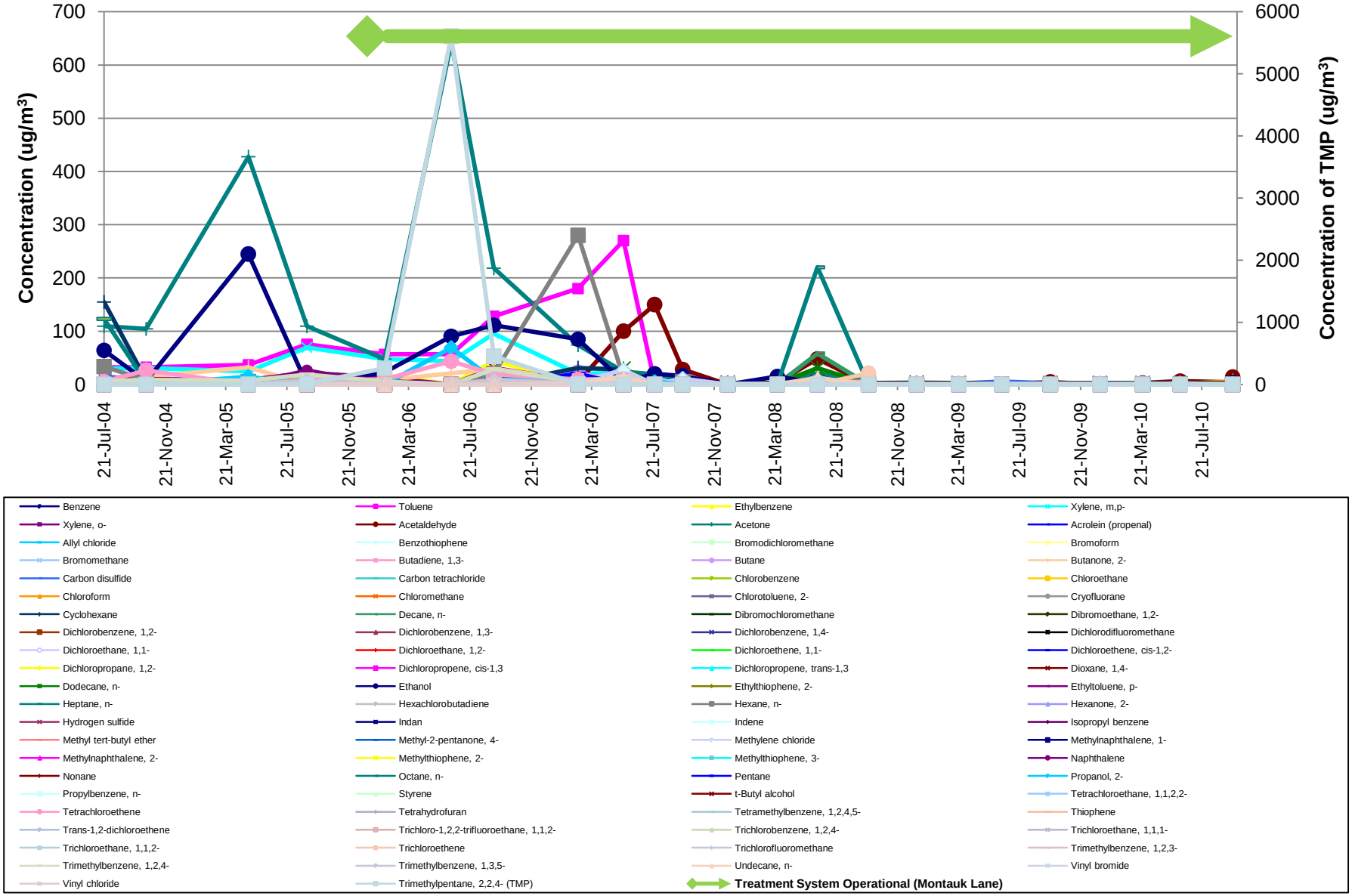
Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU1SG-09 BTEX



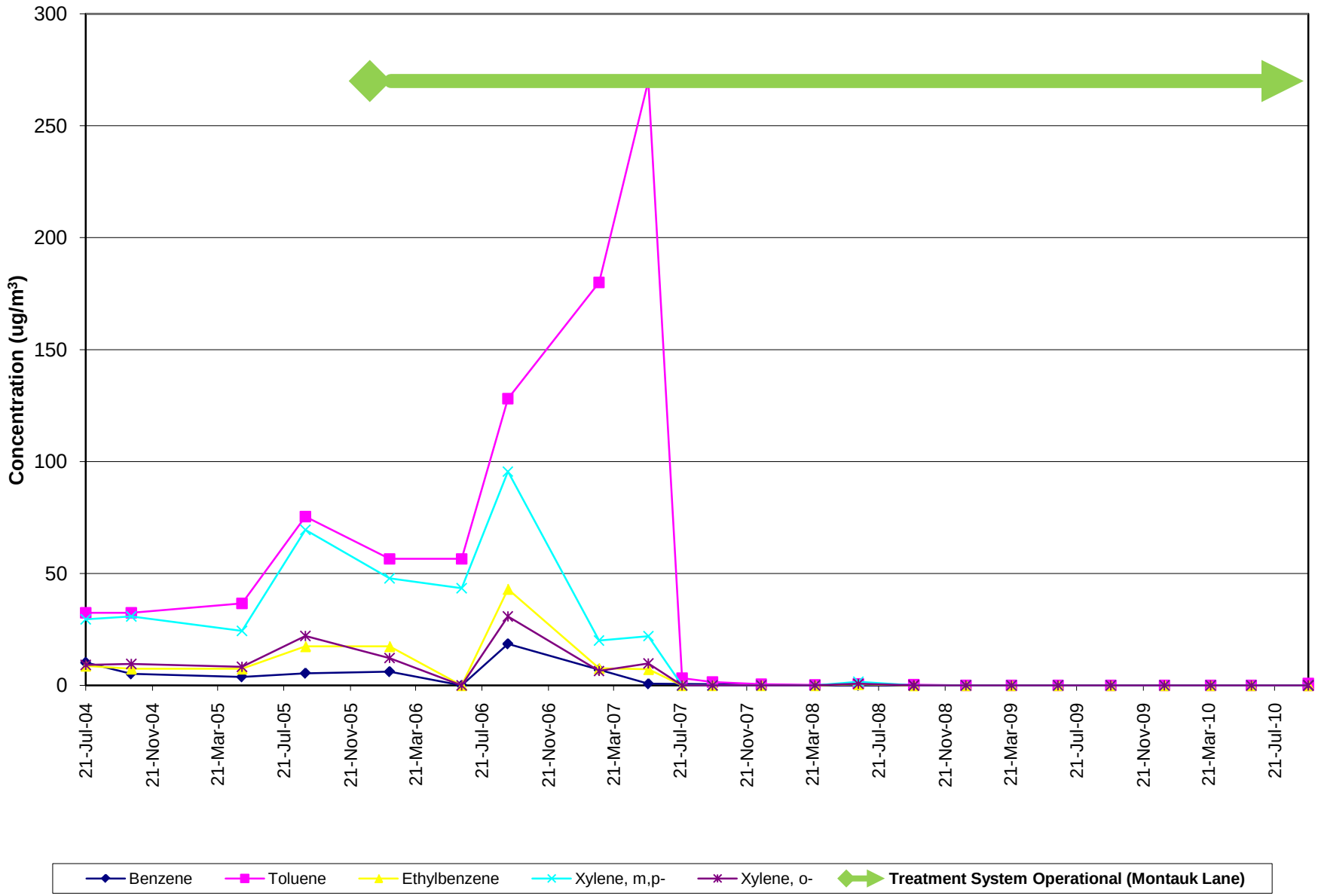
Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG-01



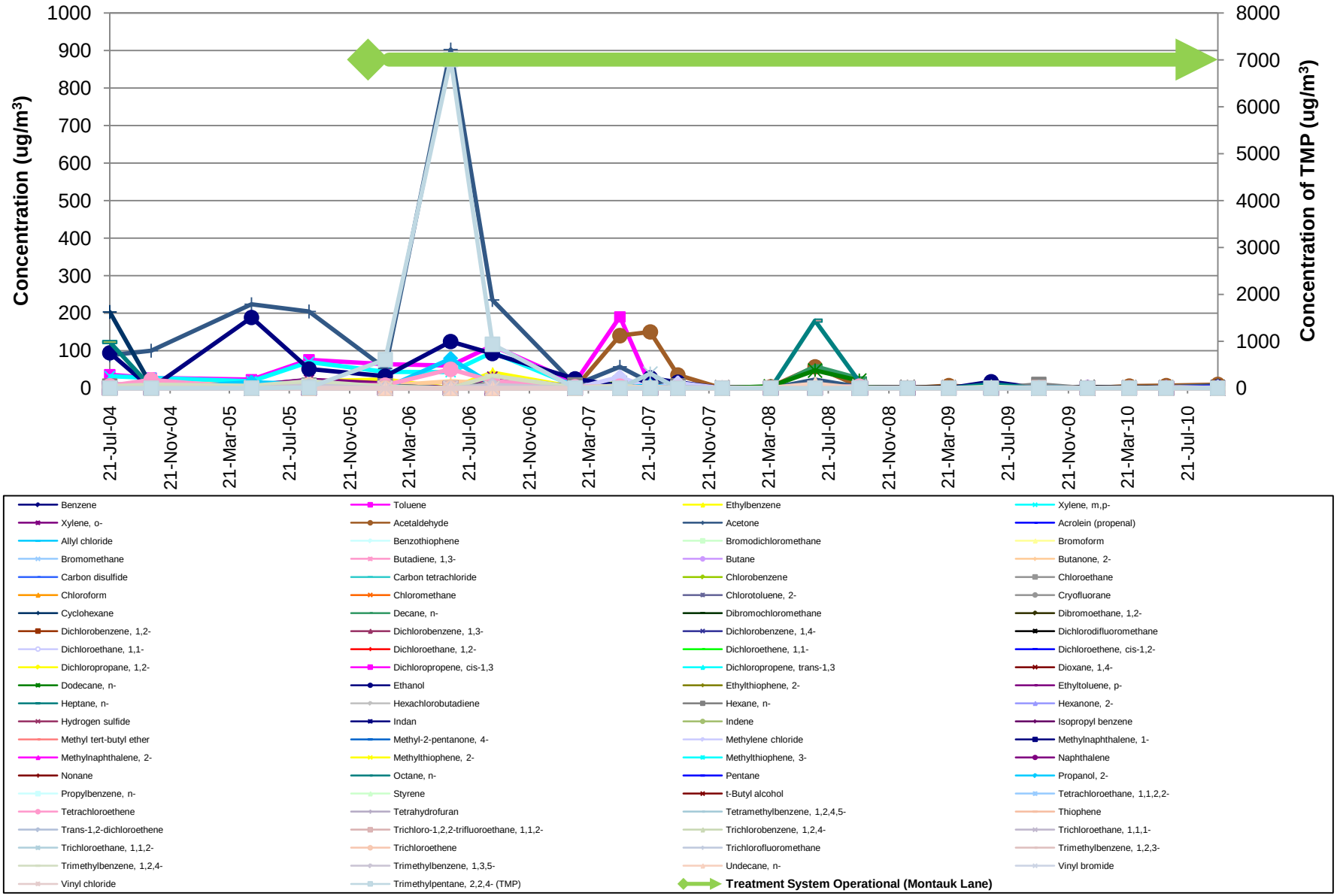
Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG-01 BTEX



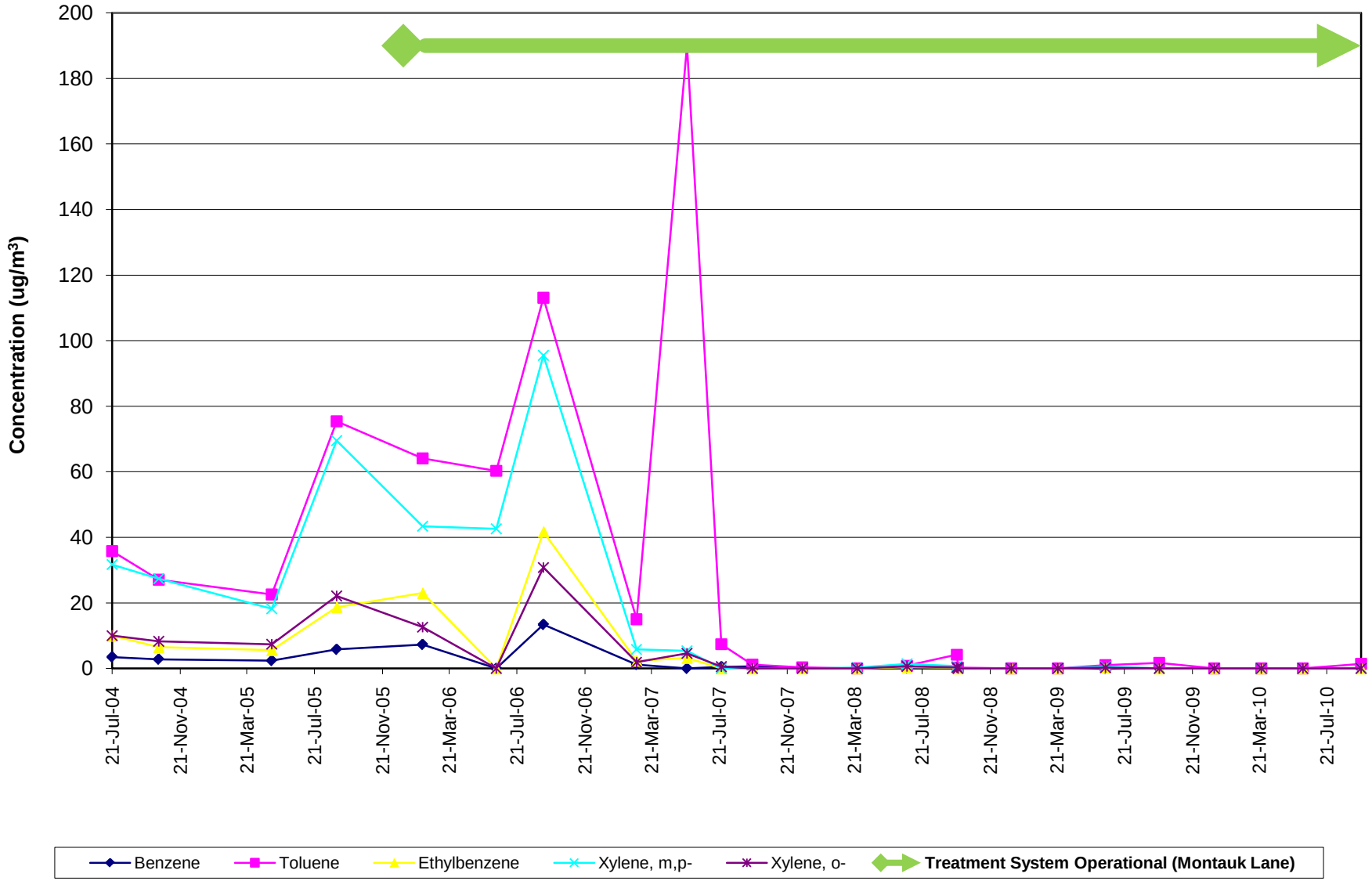
Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG-02

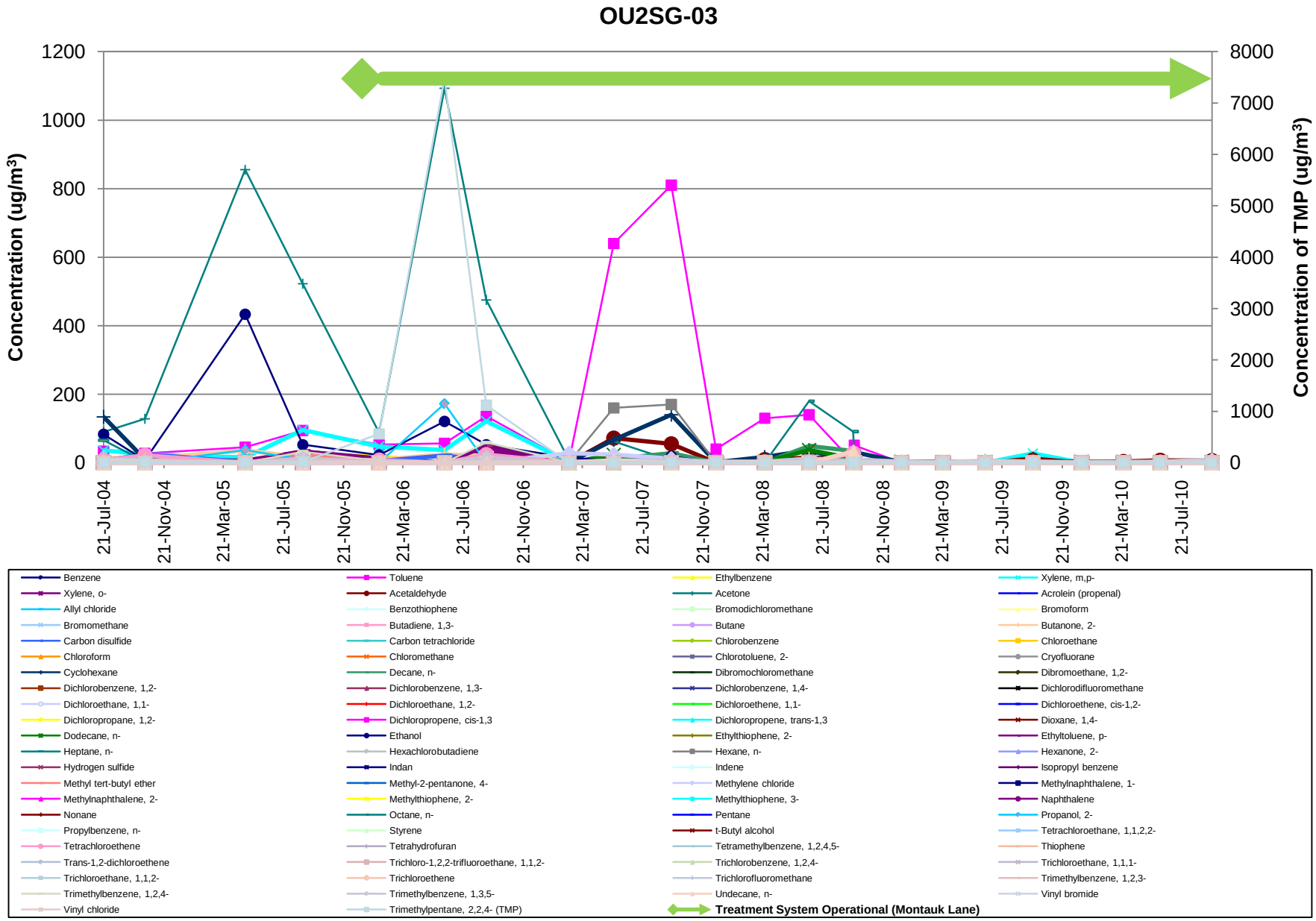


Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG-02 BTEX

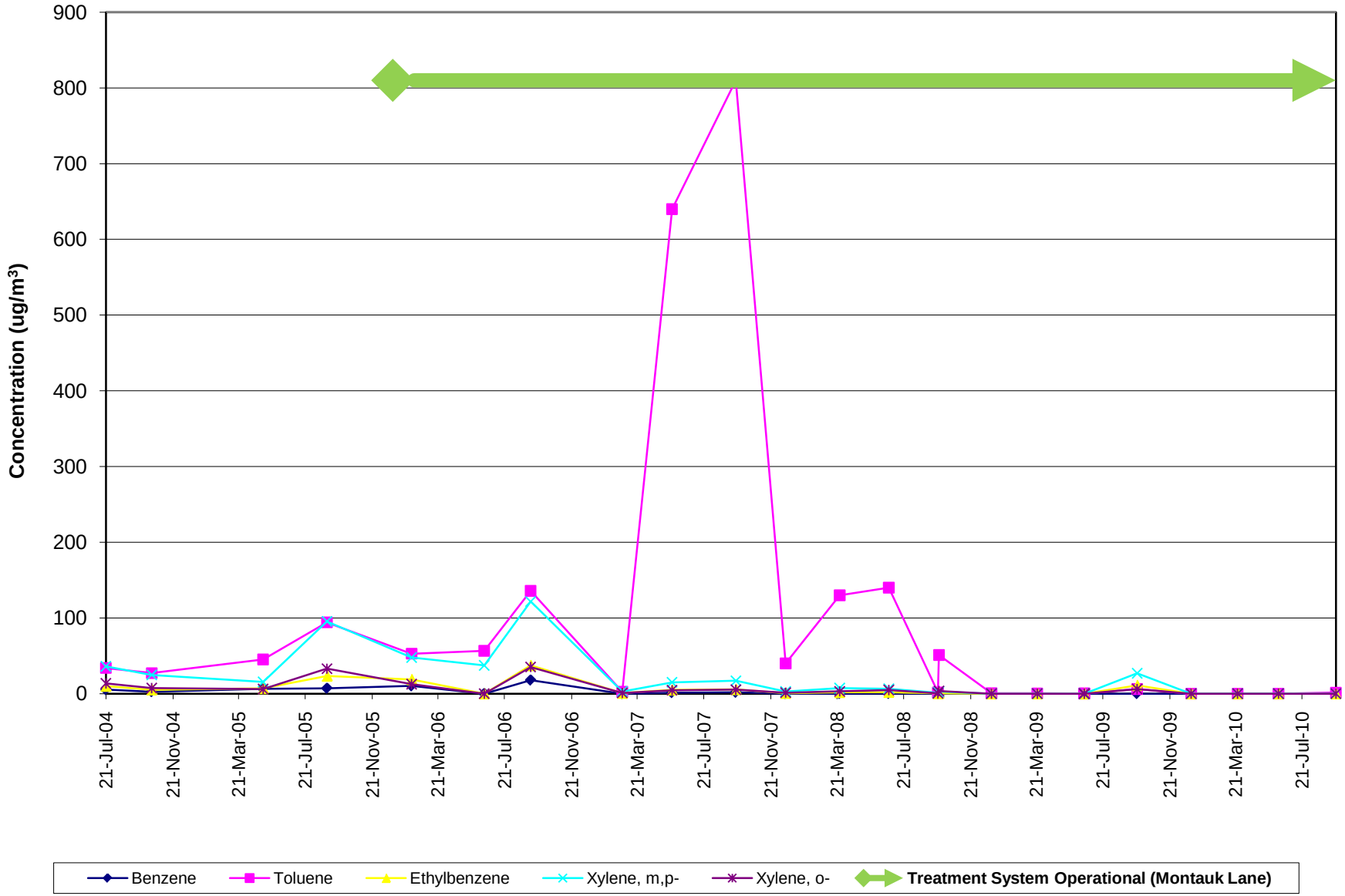


Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site



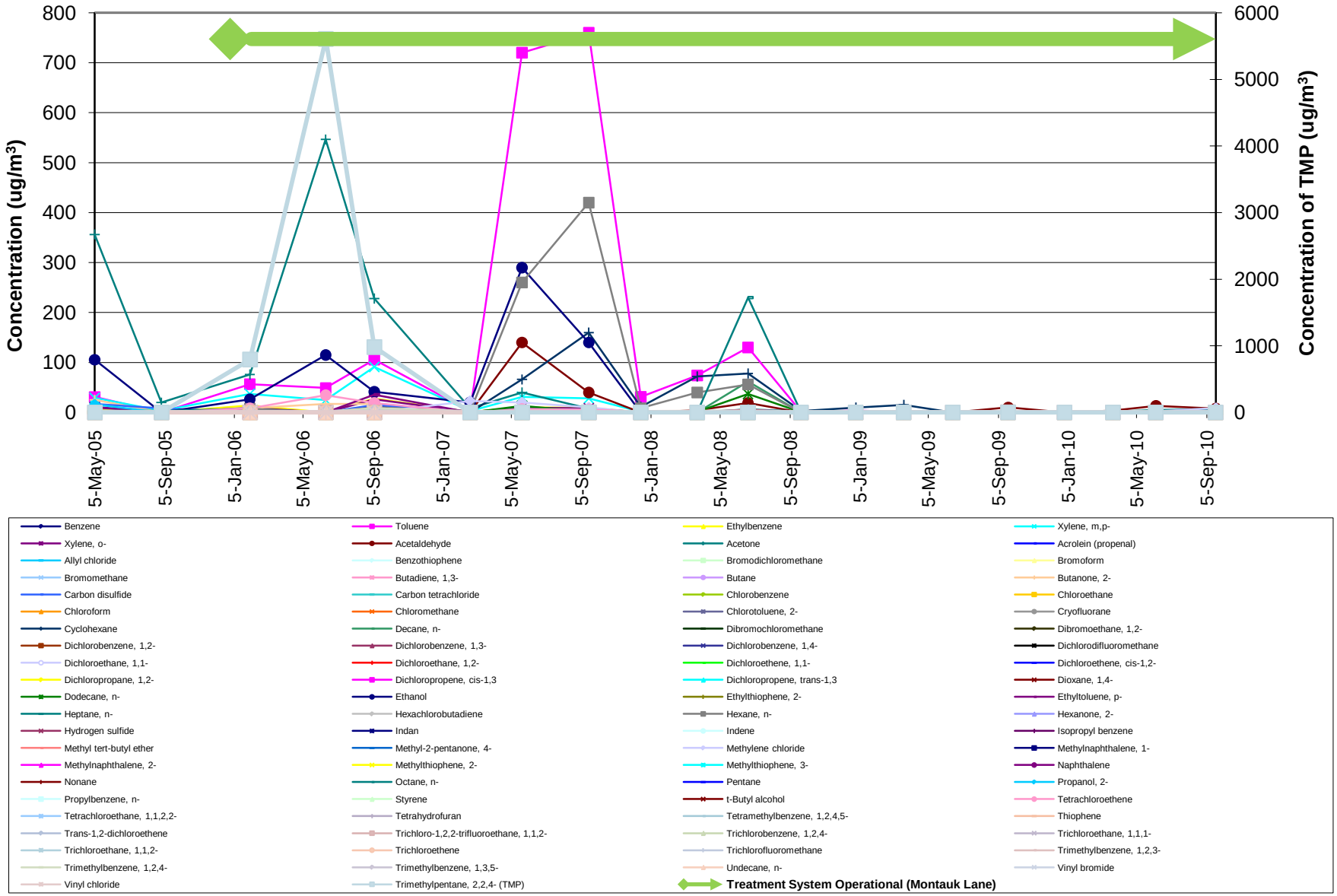
Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG-03 BTEX



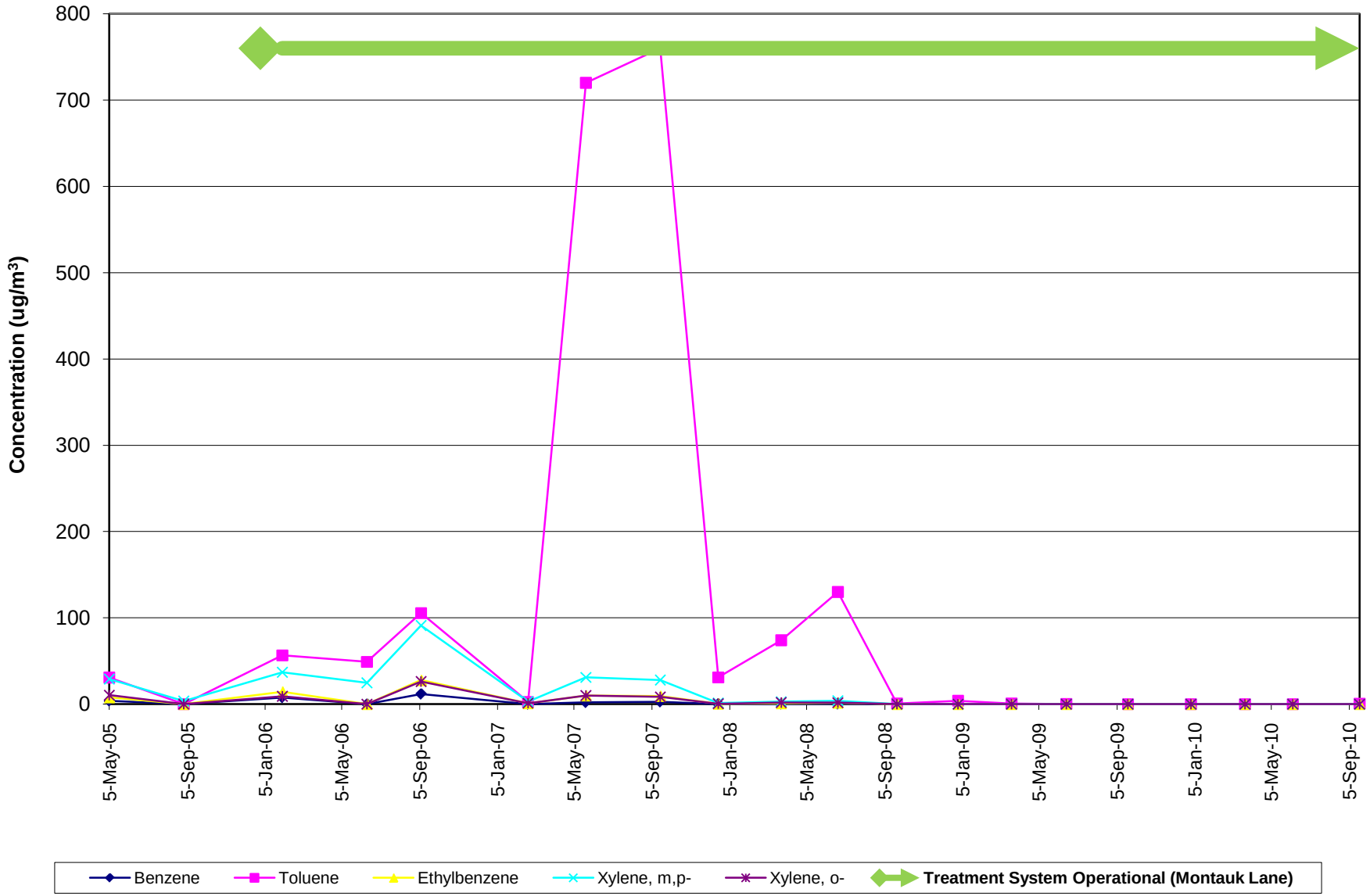
Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG-04



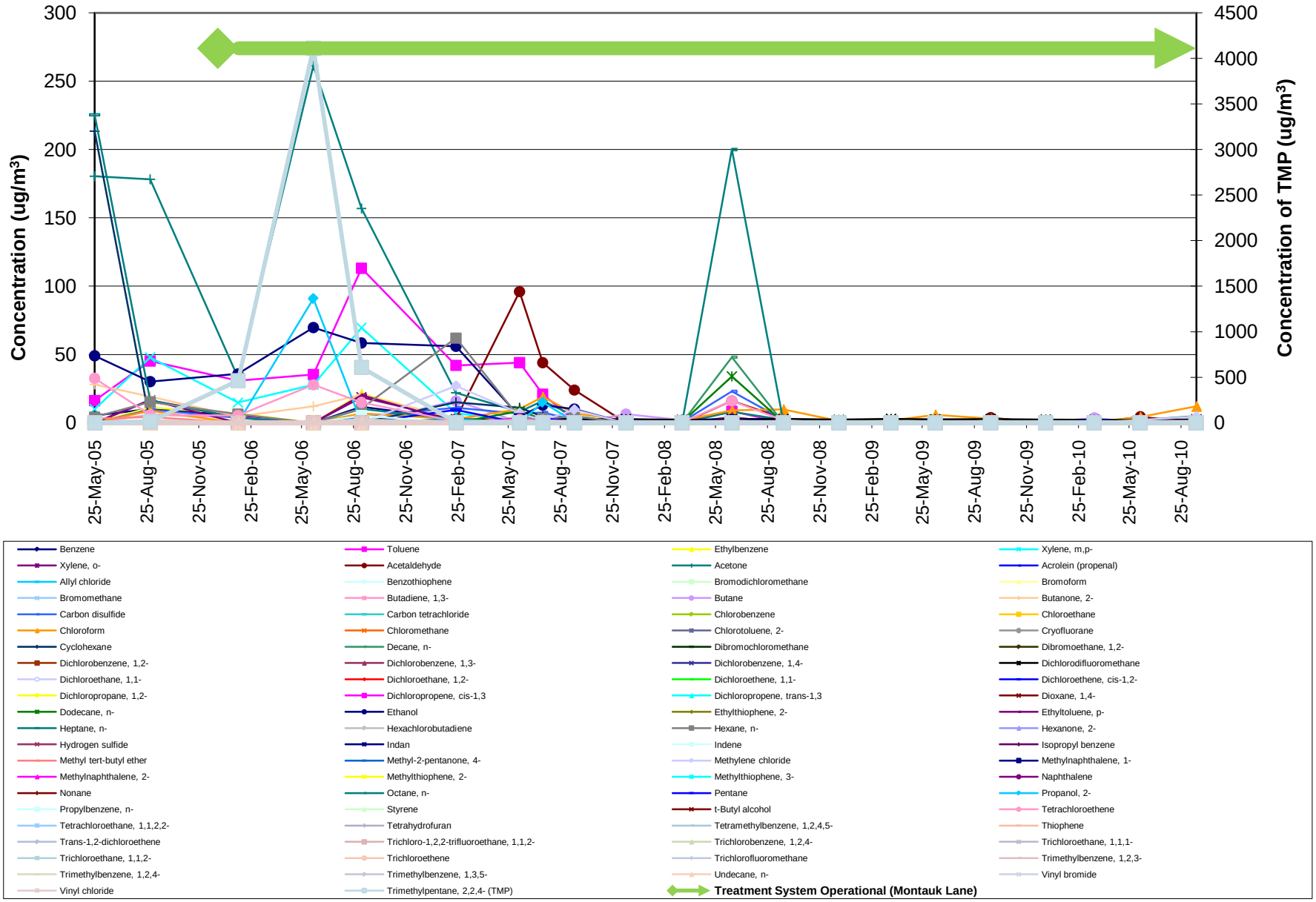
Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG-04 BTEX



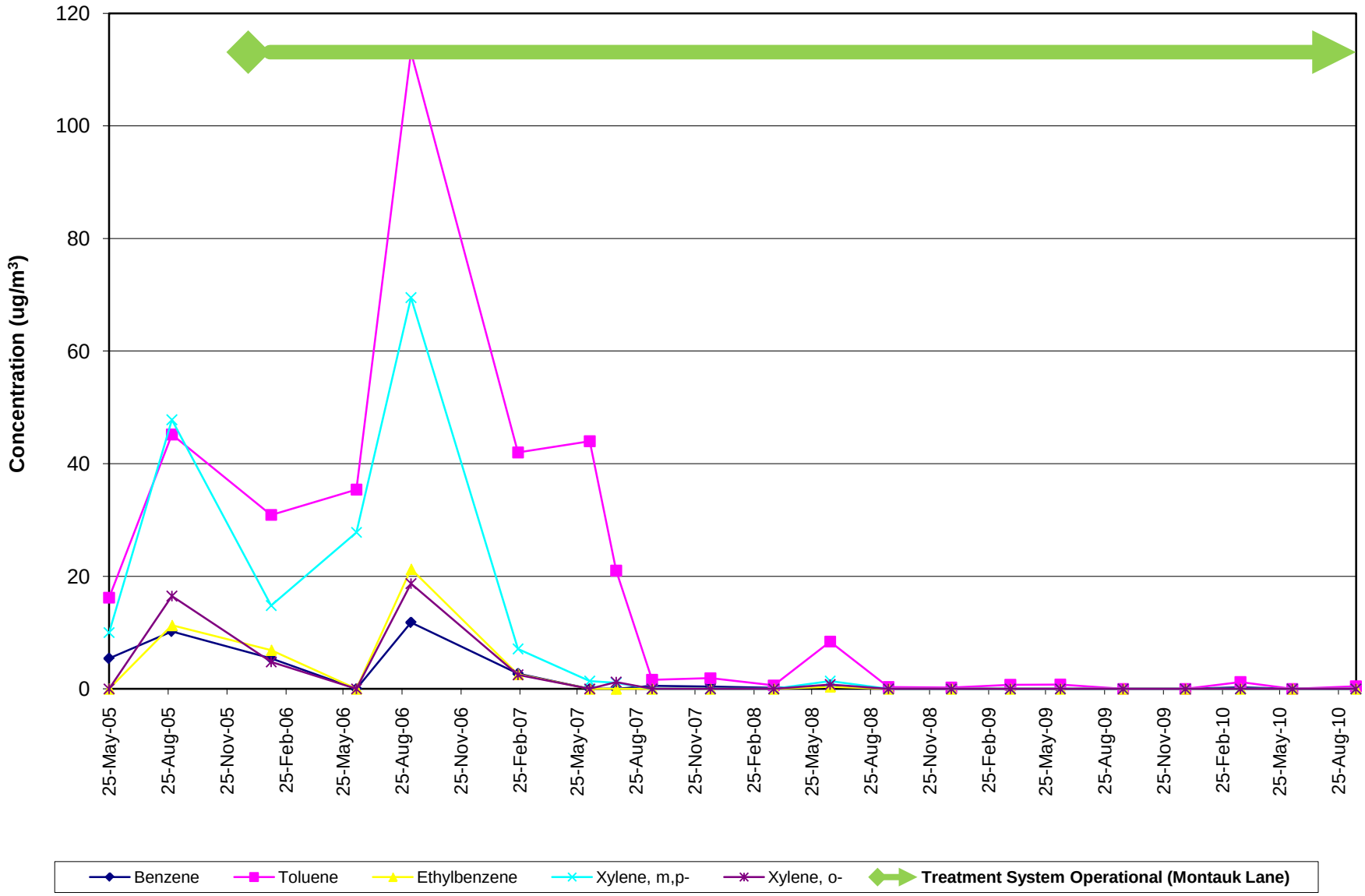
Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG-05



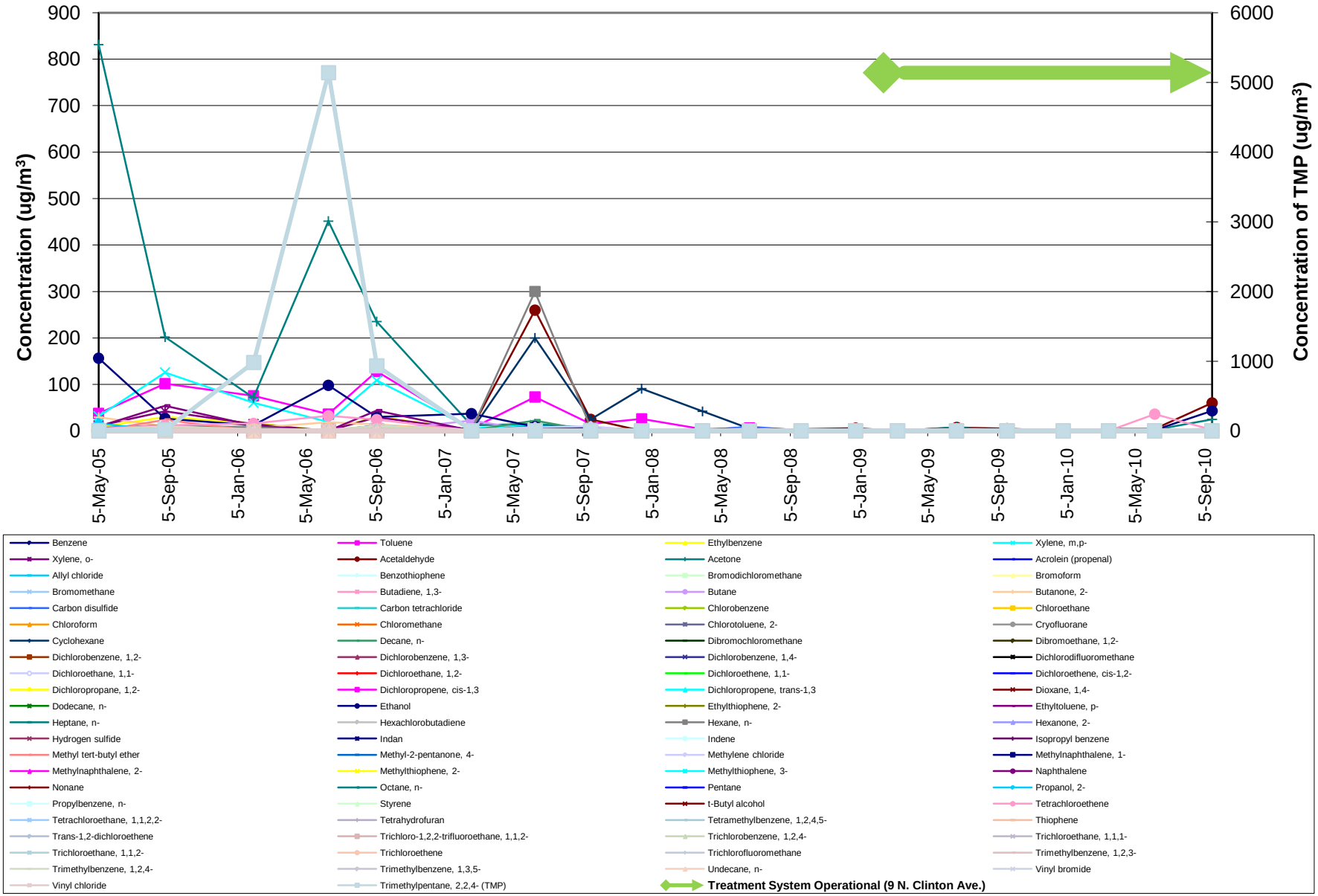
Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG-05 BTEX



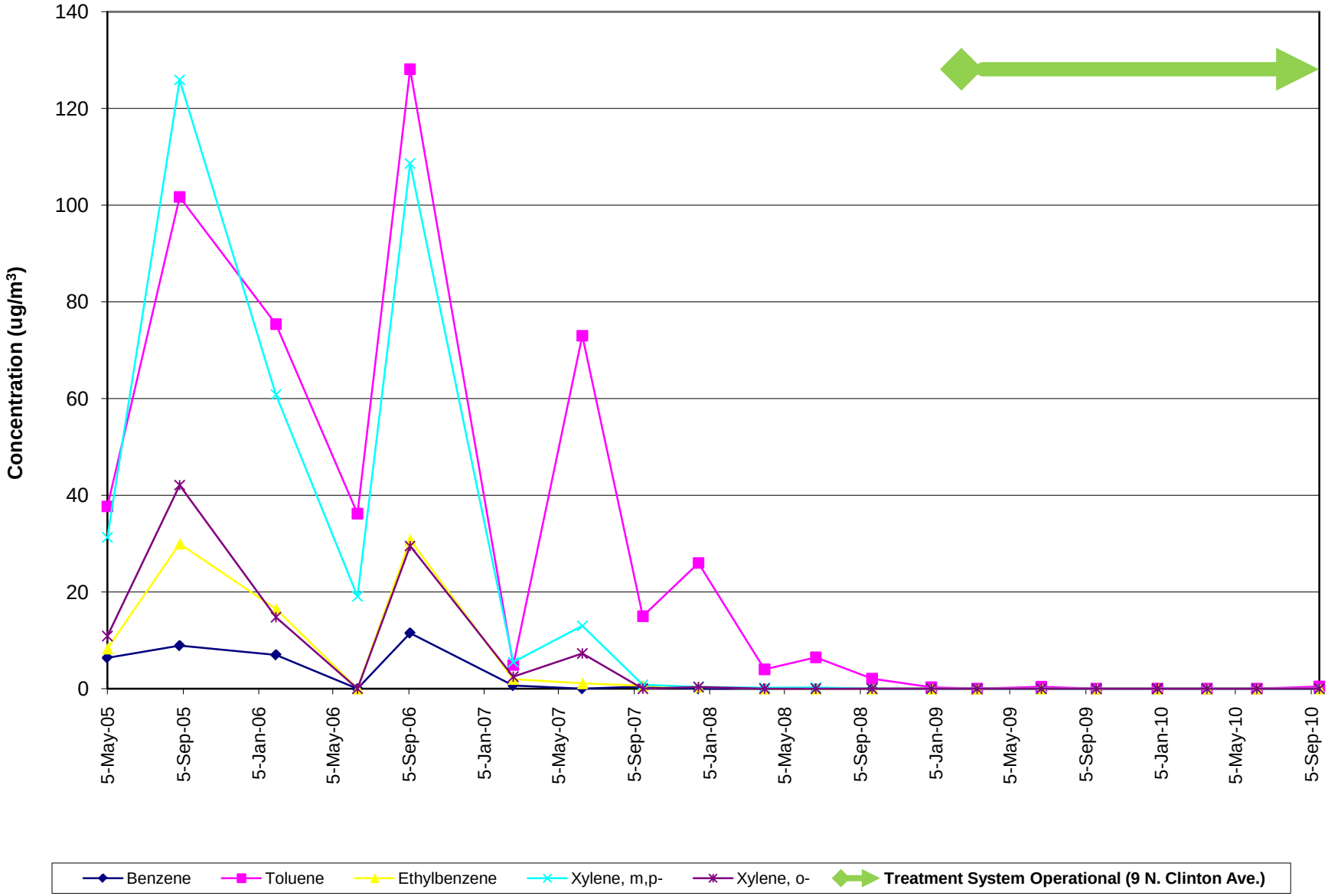
Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG-06



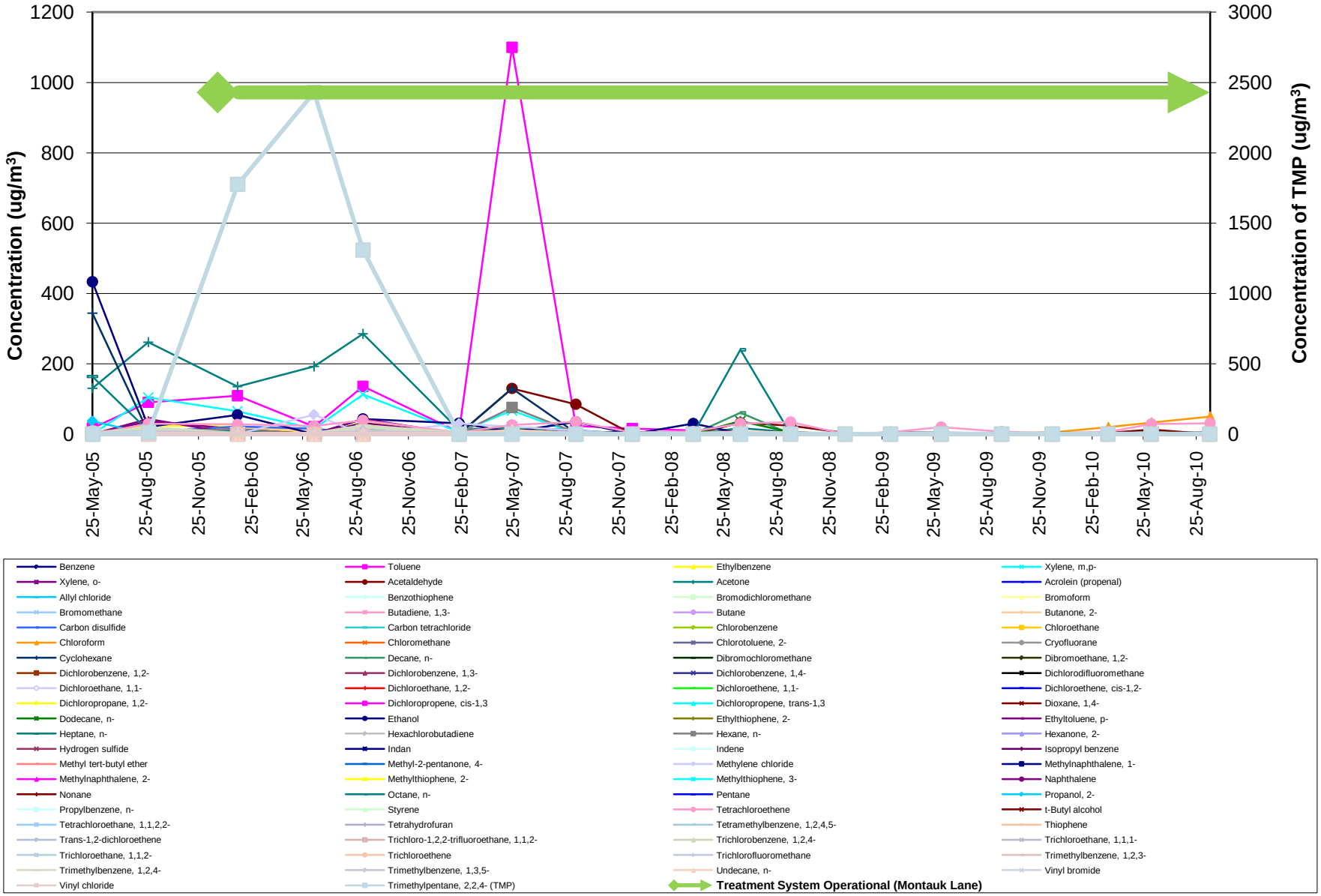
Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG-06 BTEX



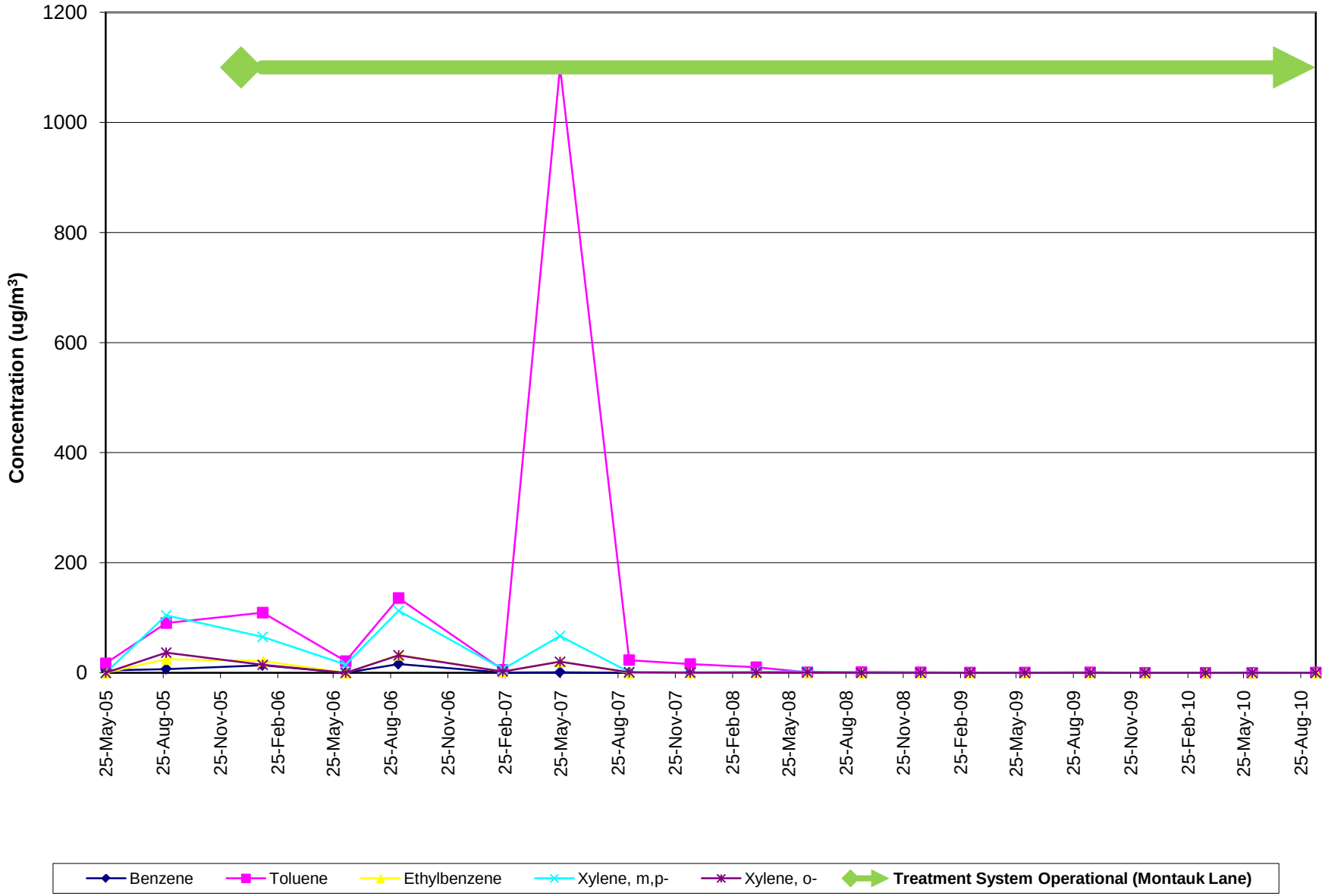
Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG-07



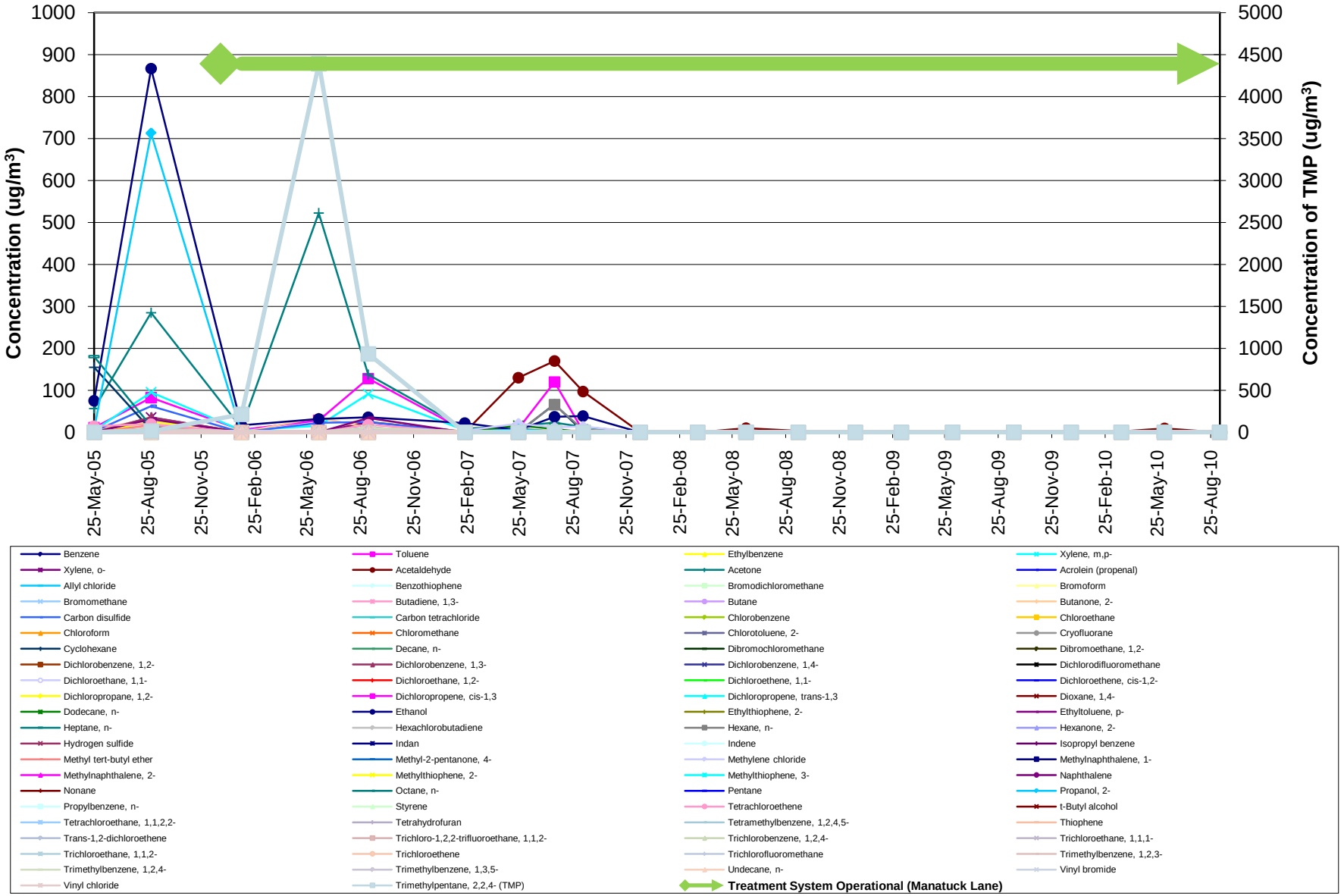
Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG-07 BTEX



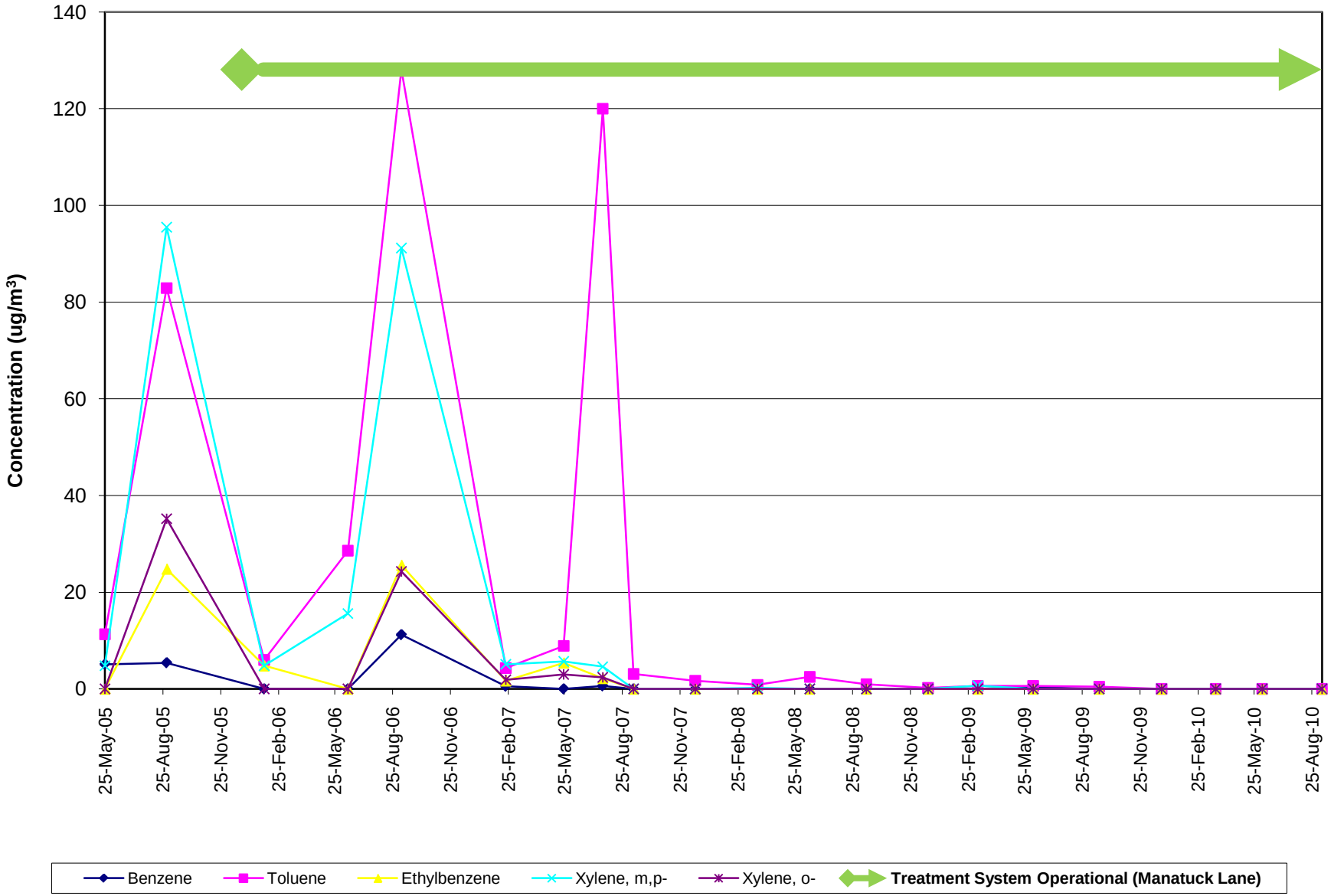
Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG-08



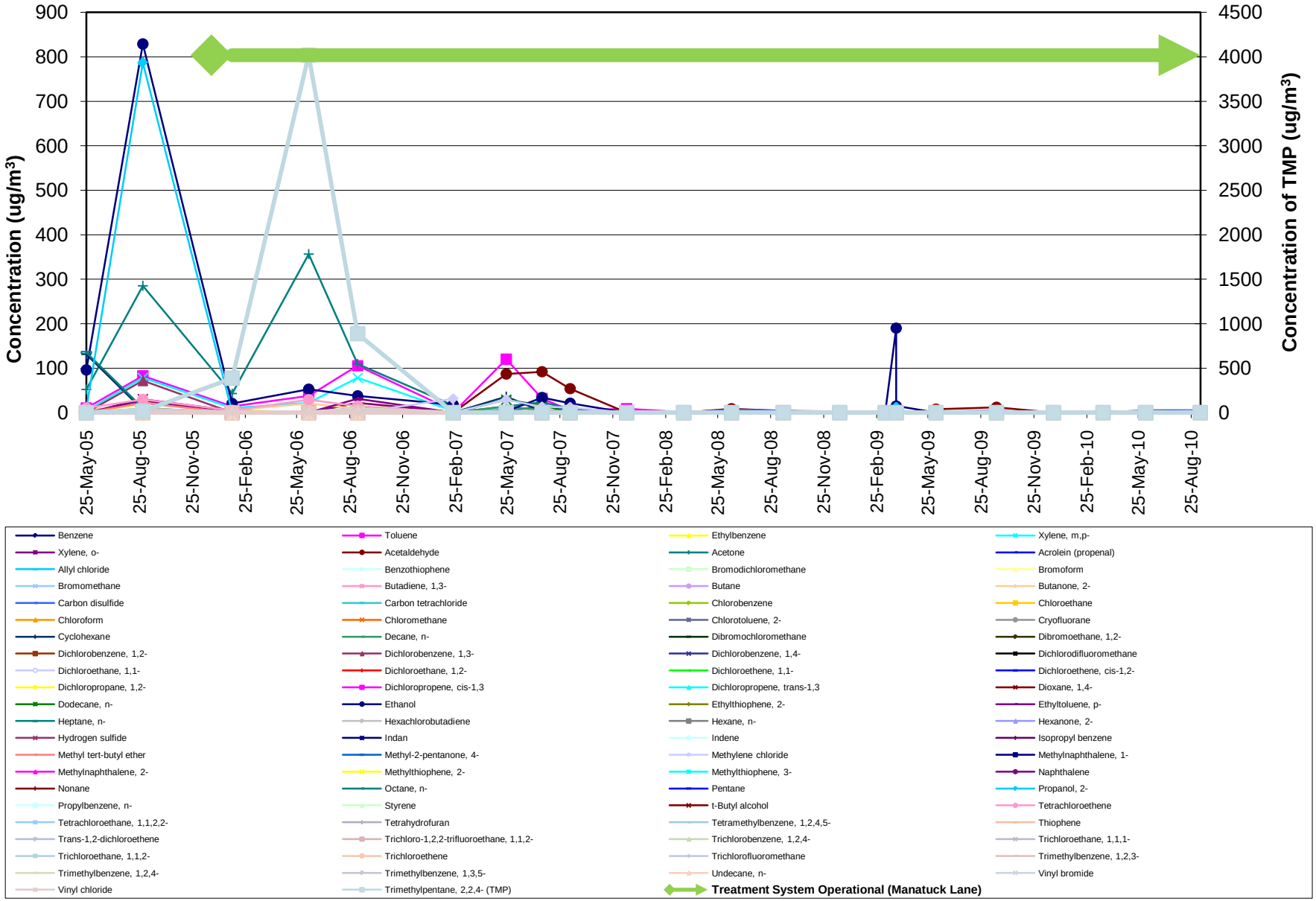
Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG-08 BTEX



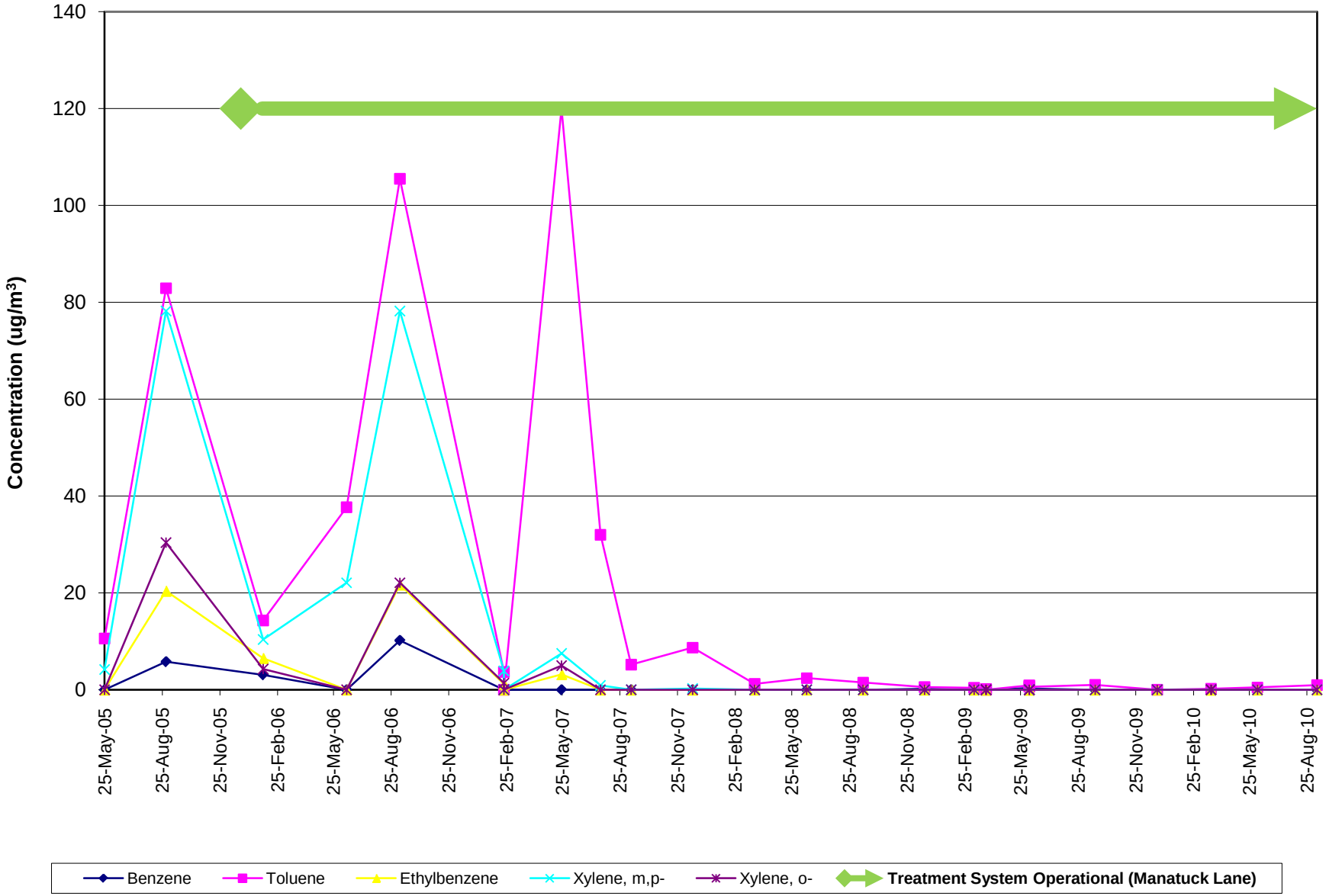
Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG-09



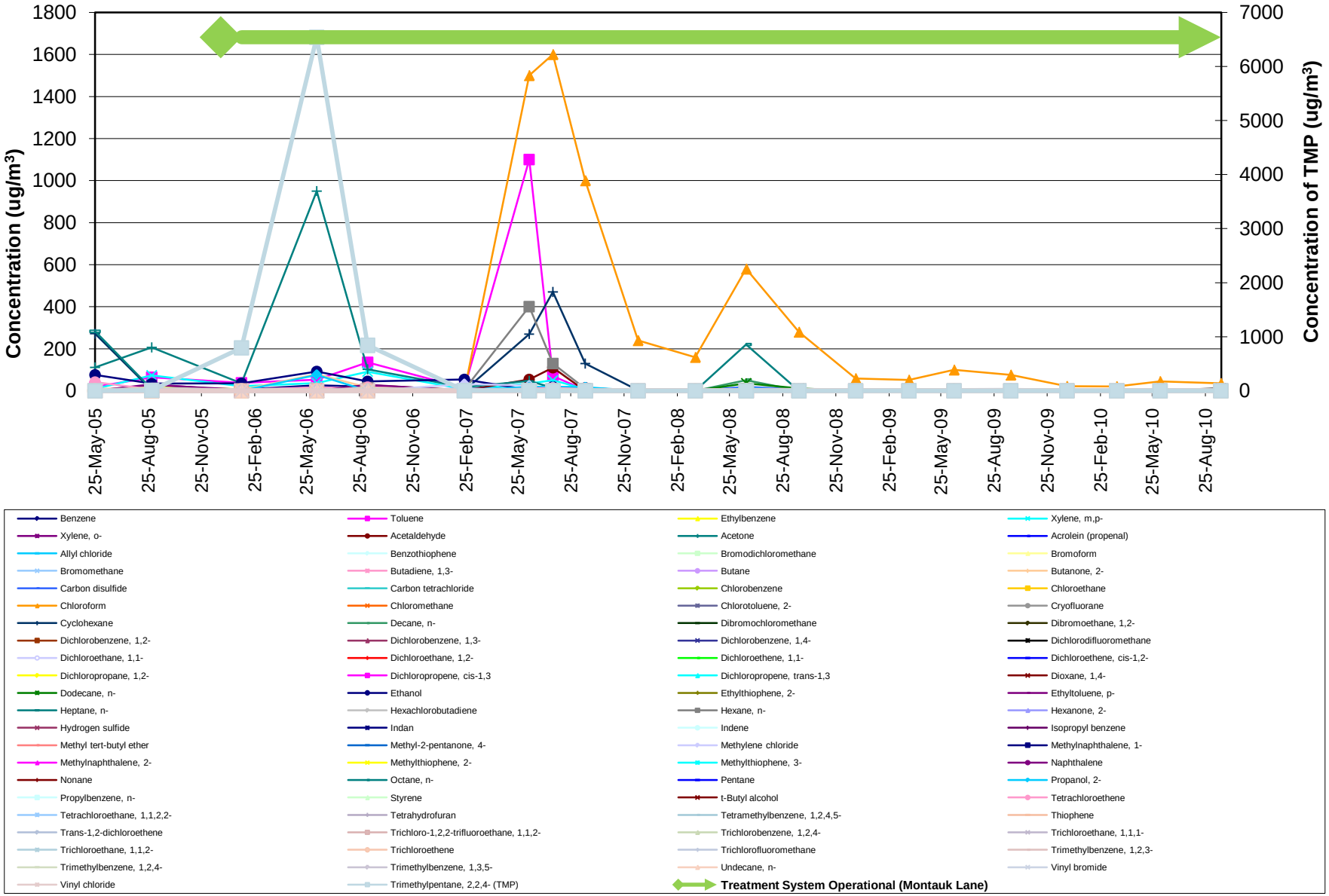
Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG-09 BTEX



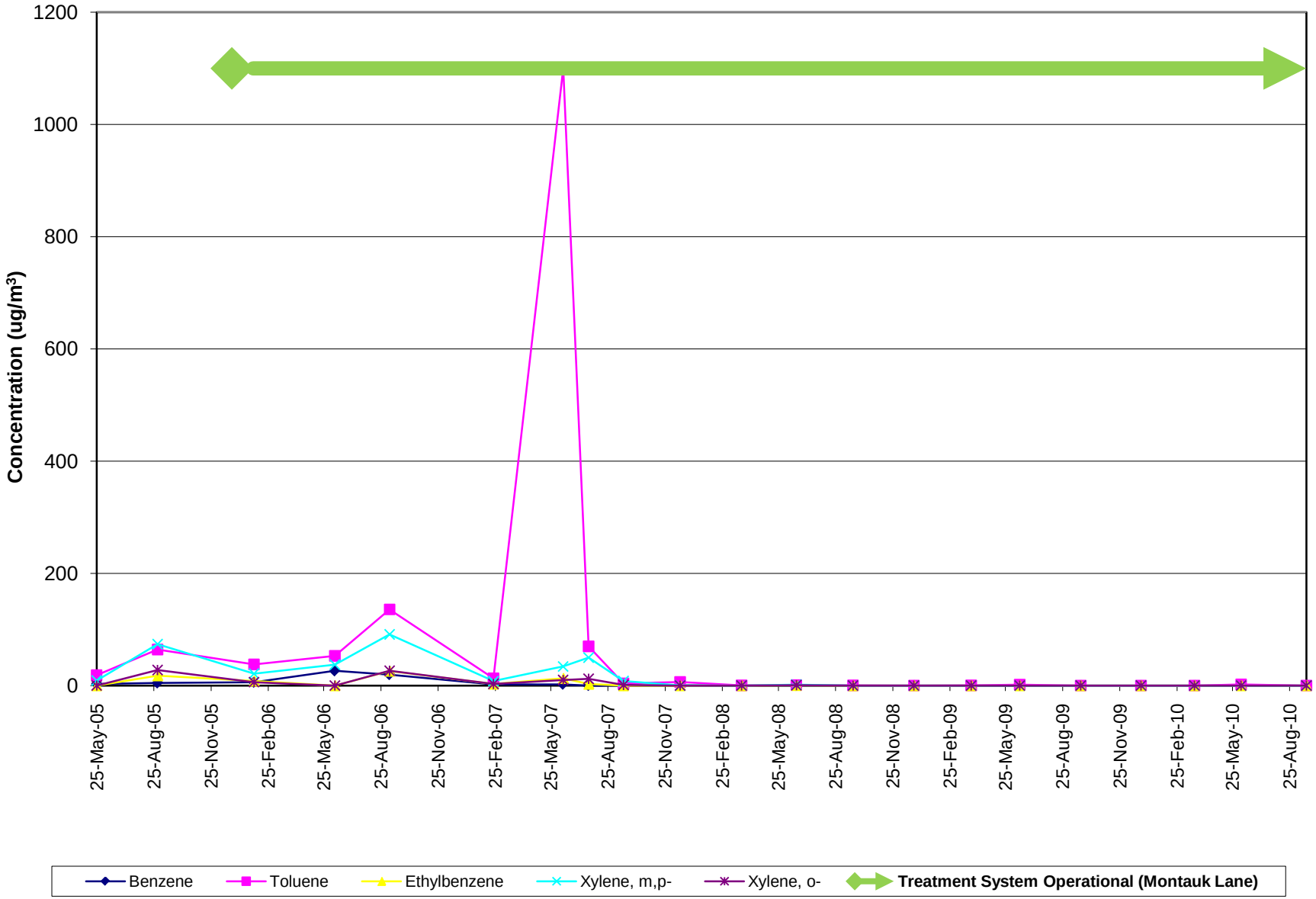
Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG-10



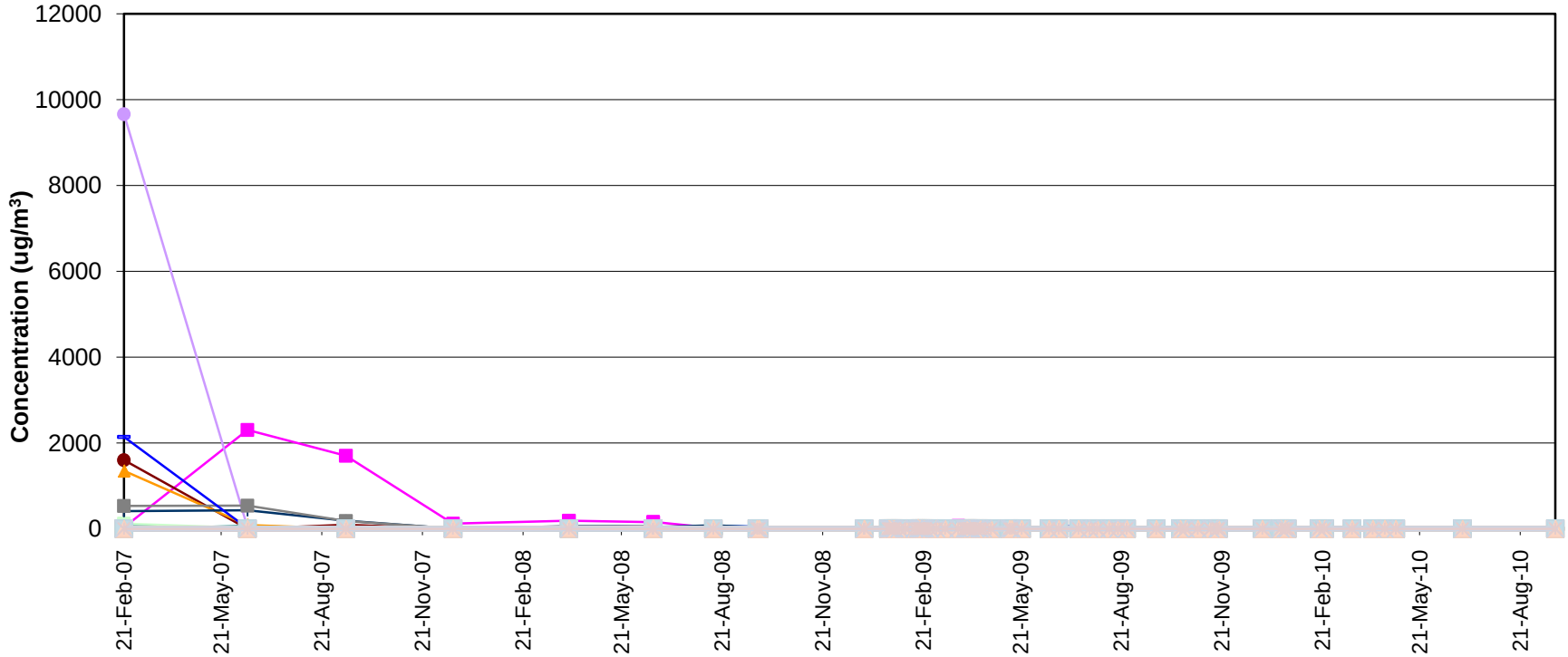
Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG-10 BTEX



Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

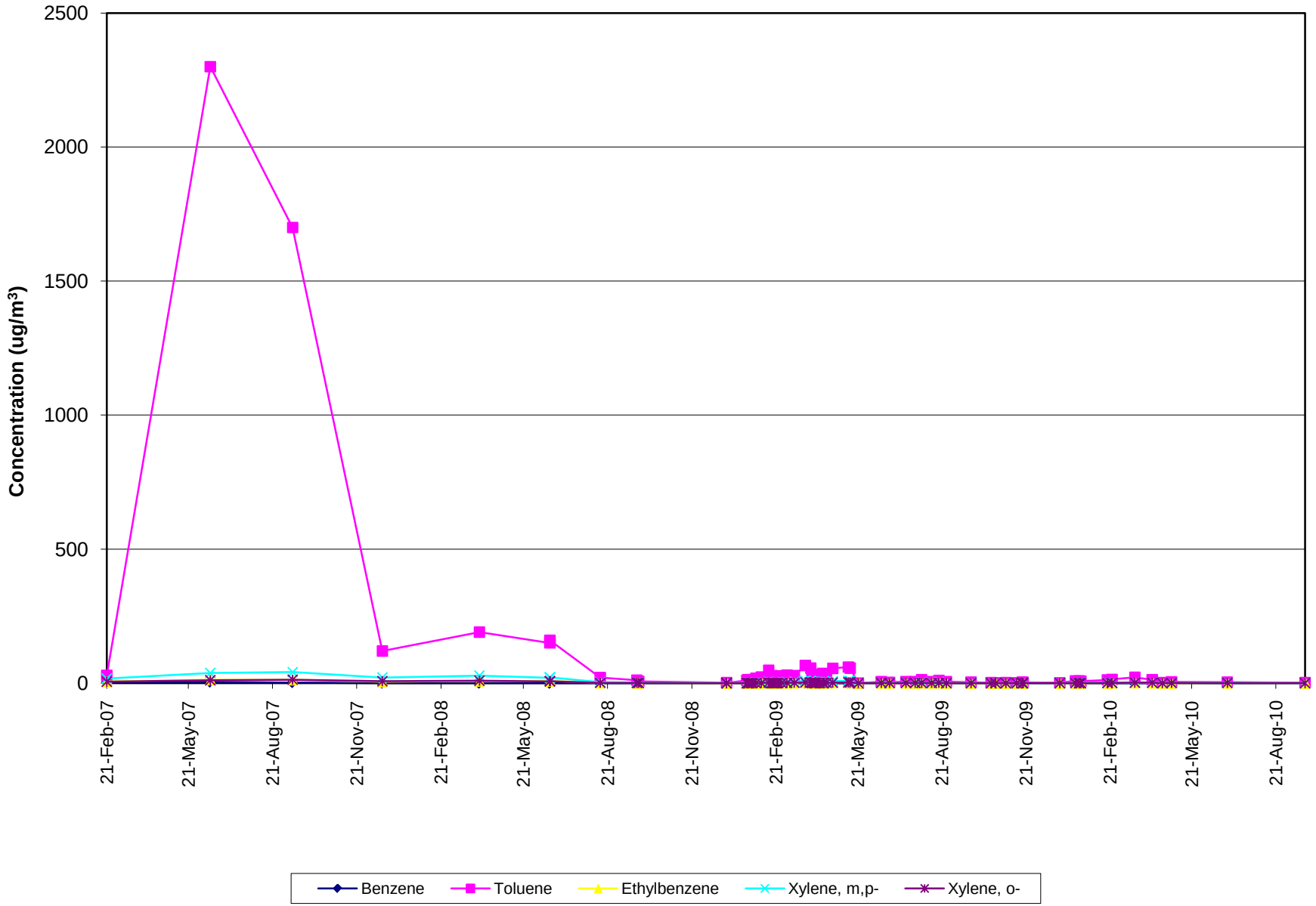
OU2SG-11



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

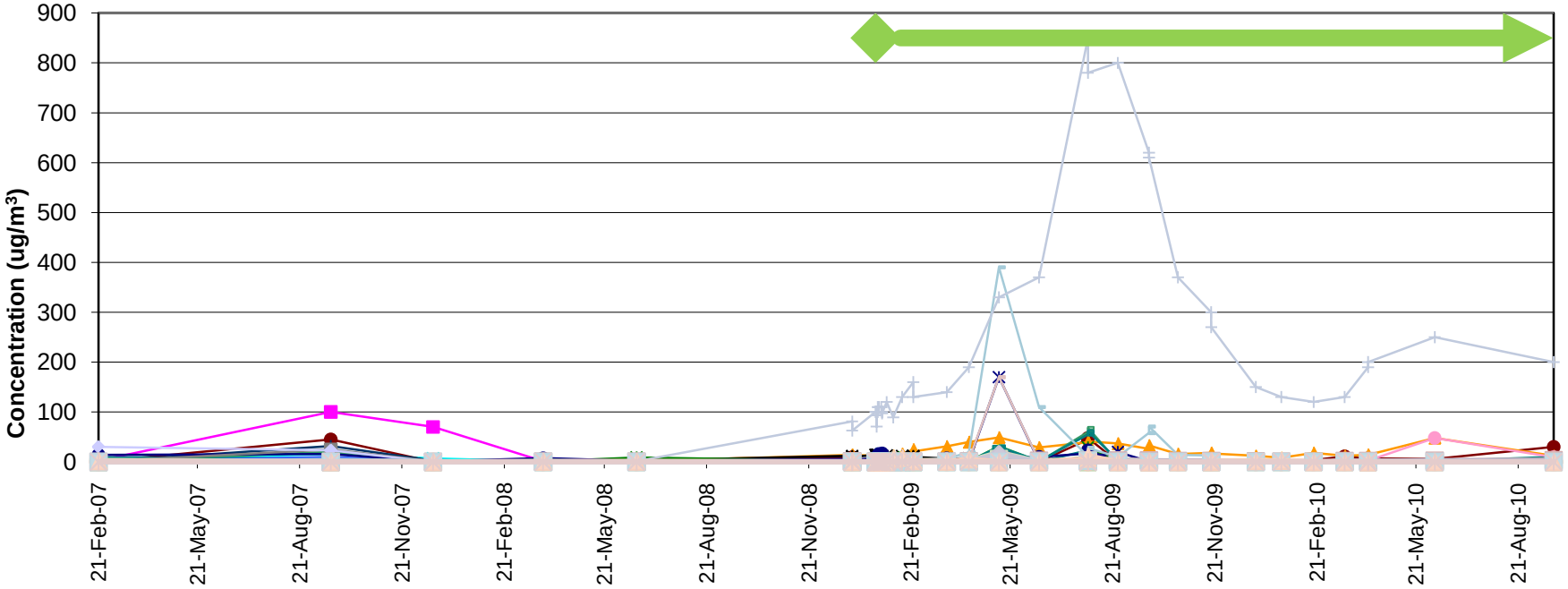
Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG-11 BTEX



Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

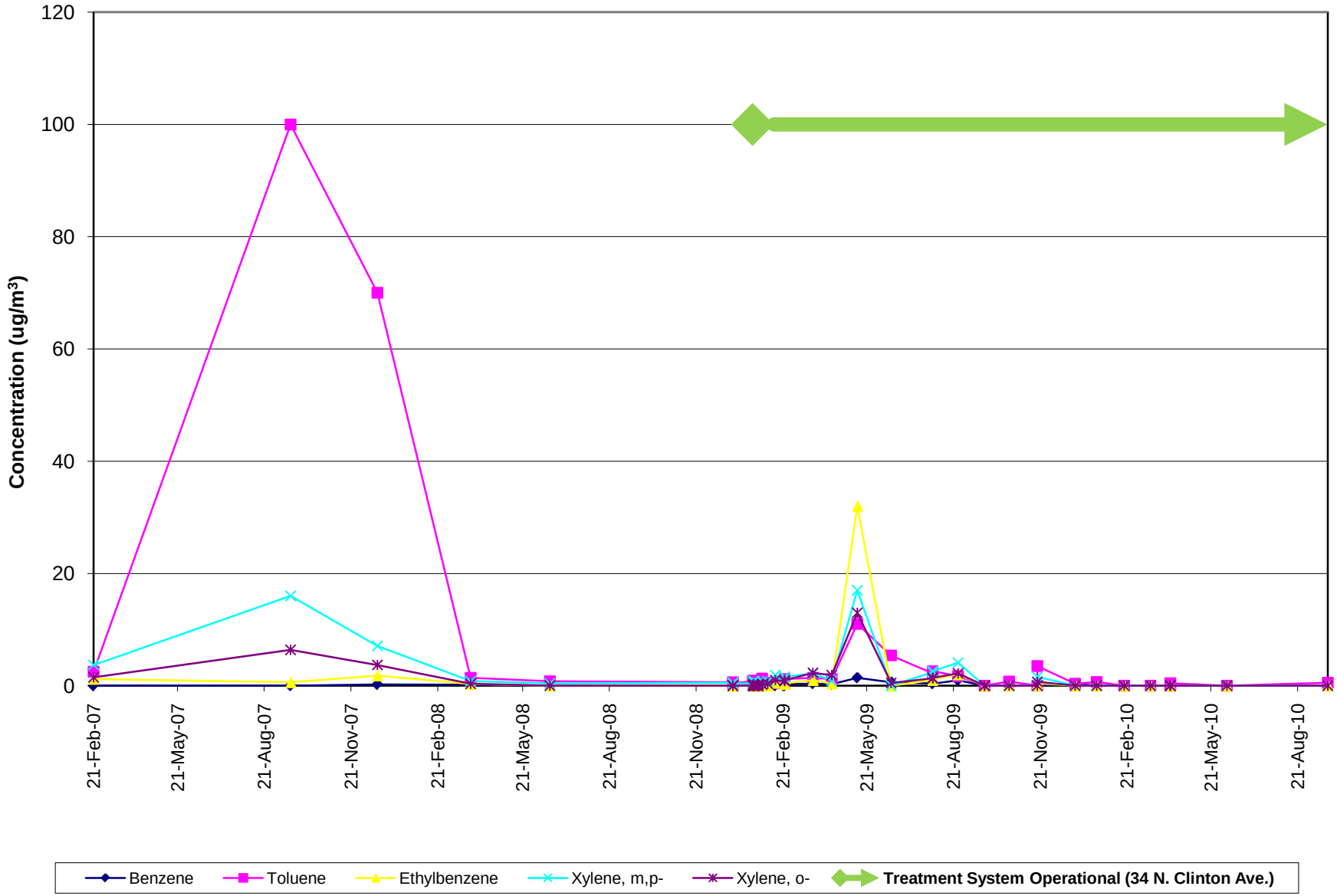
OU2SG-12



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
Treatment System Operational (34 N. Clinton Ave.)

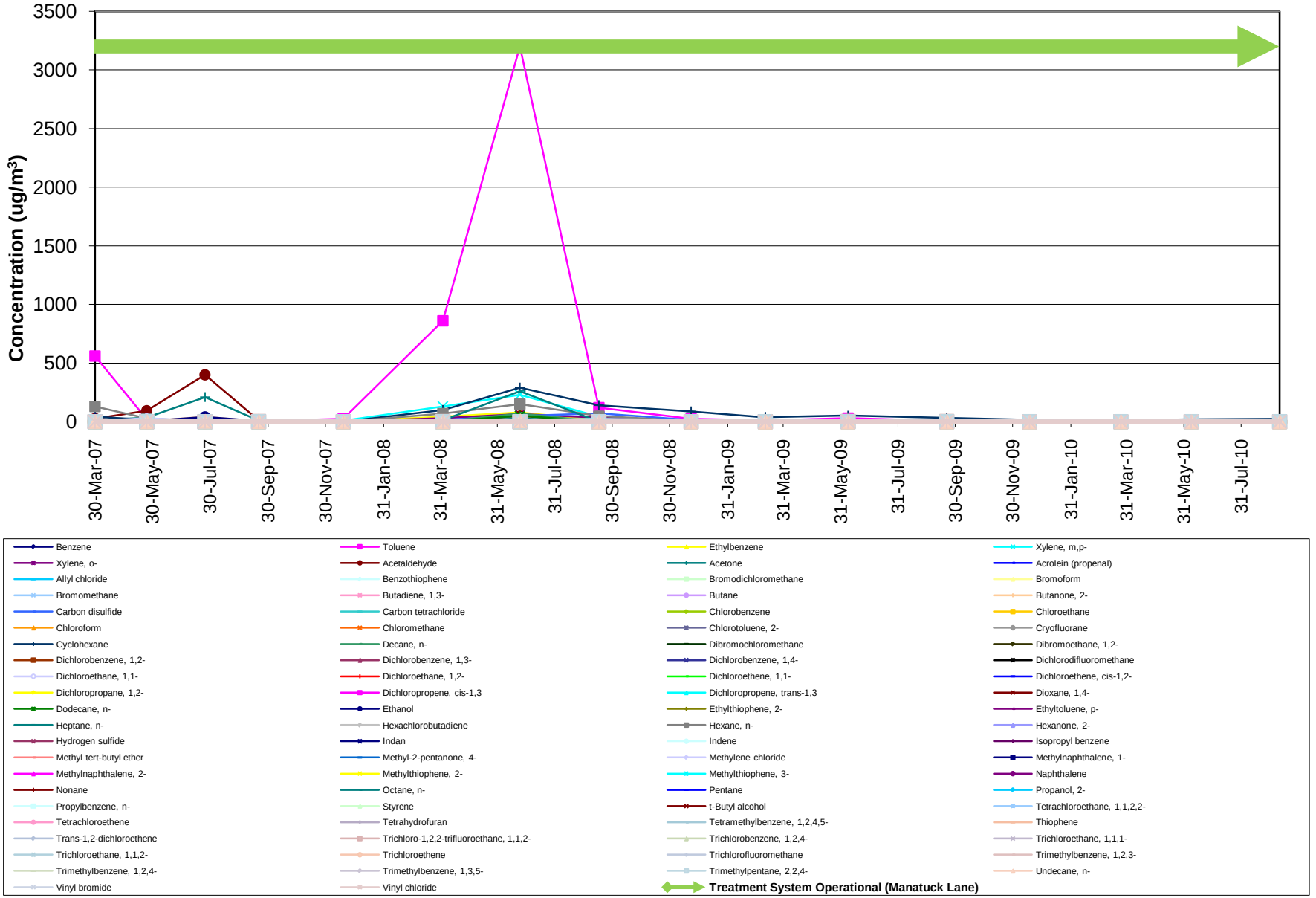
Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG-12 BTEX



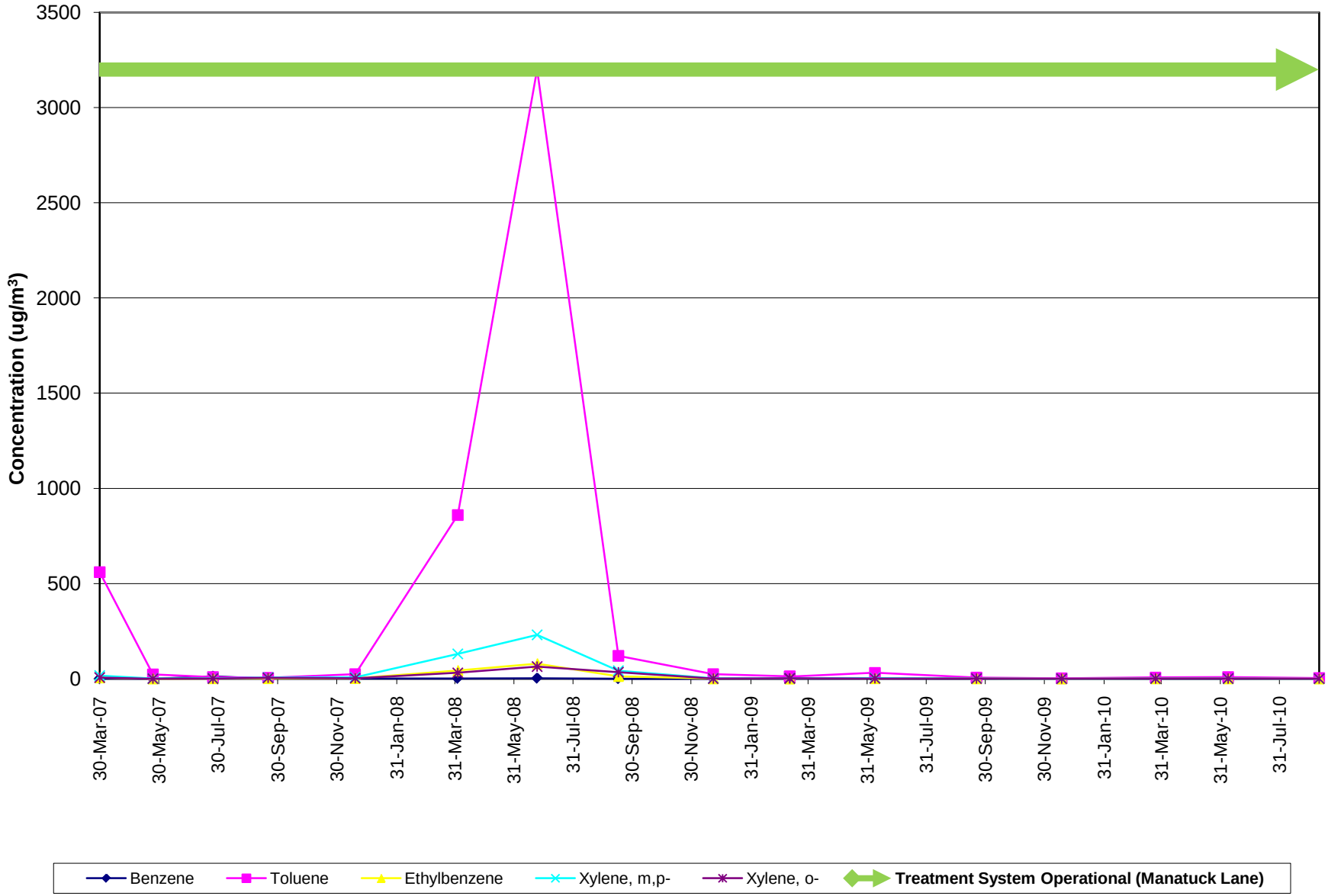
Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG-13



Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG-13 BTEX



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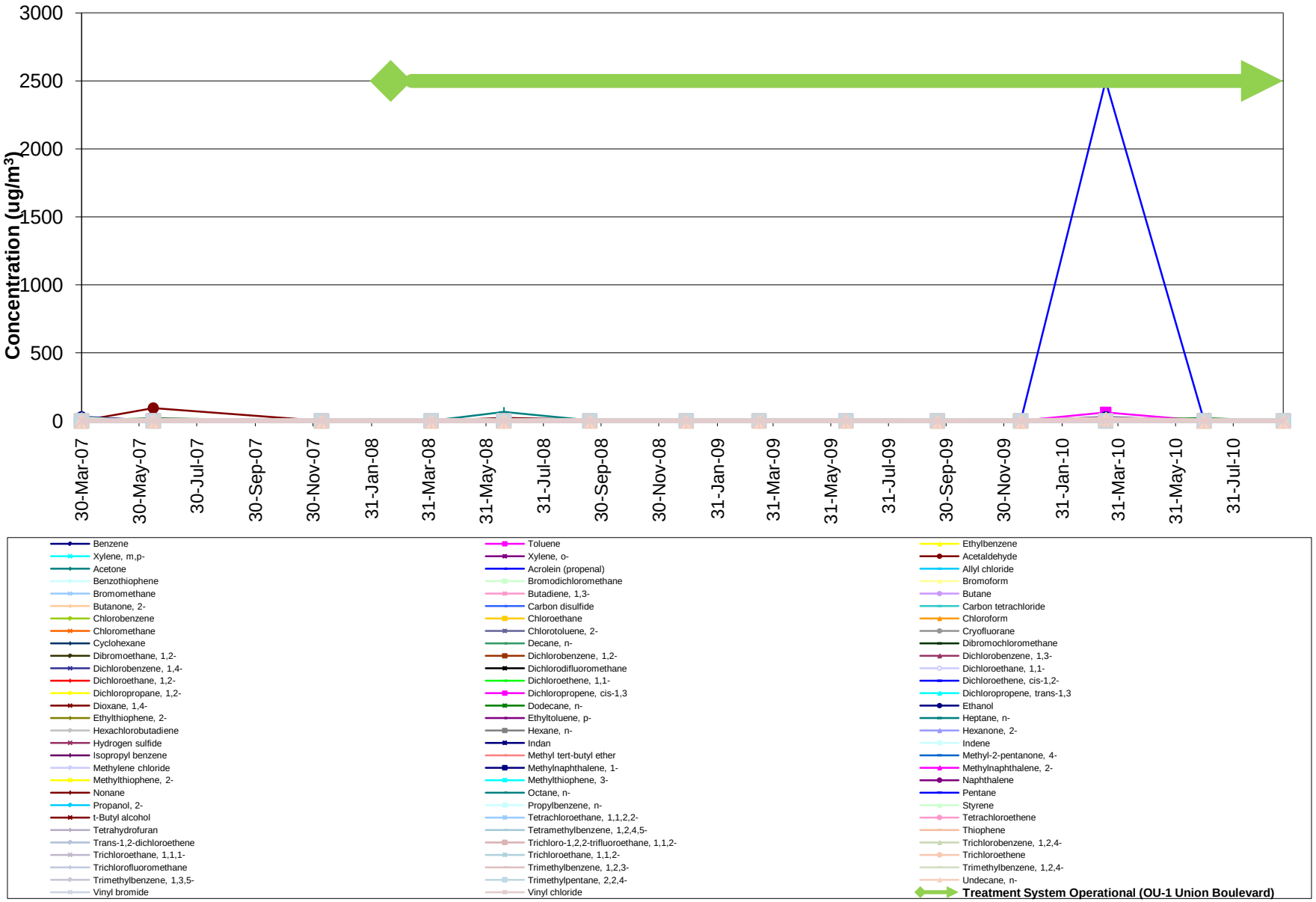
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG-14



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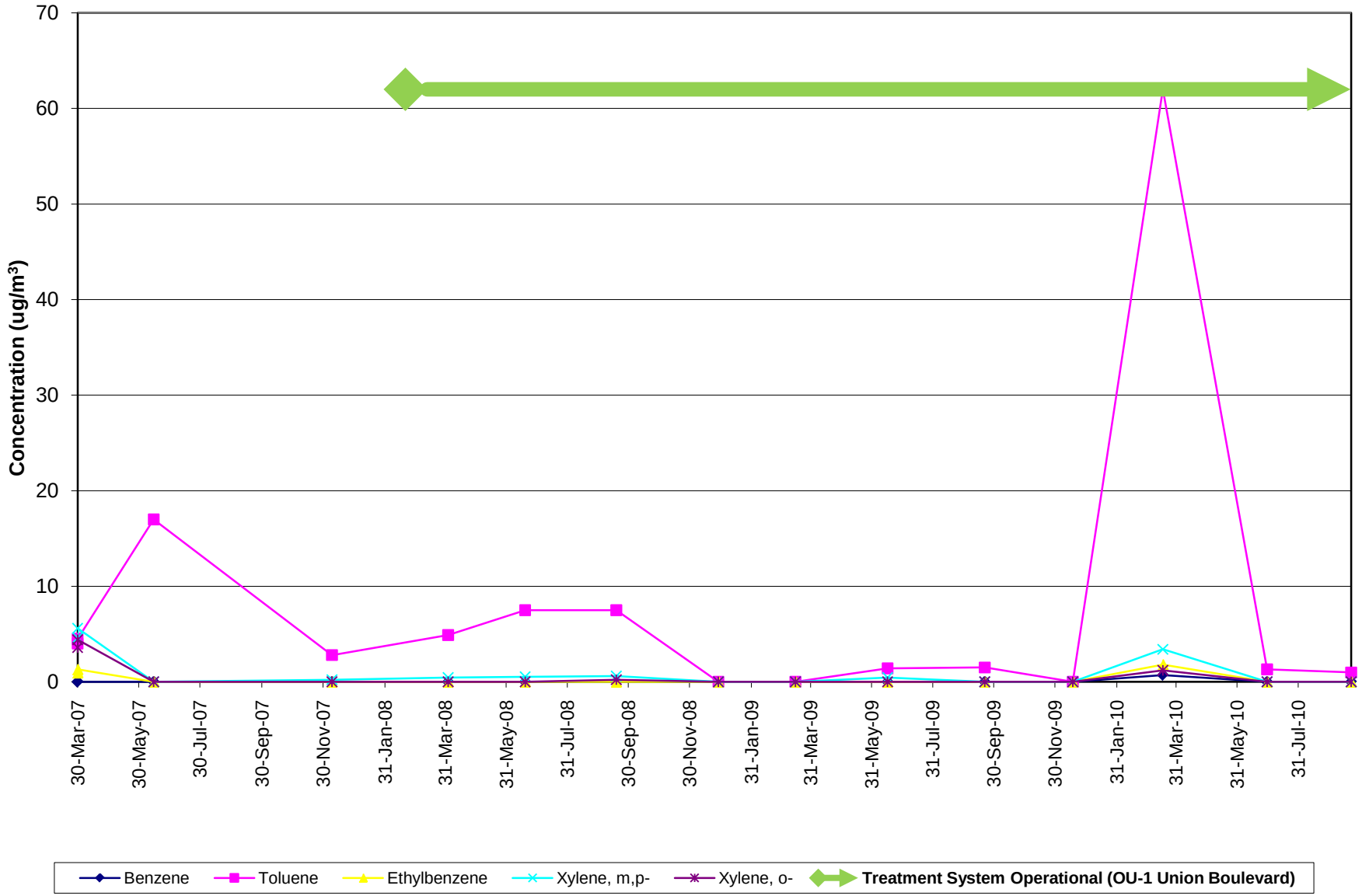
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG-14 BTEX



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Soil Vapor Analytical Results
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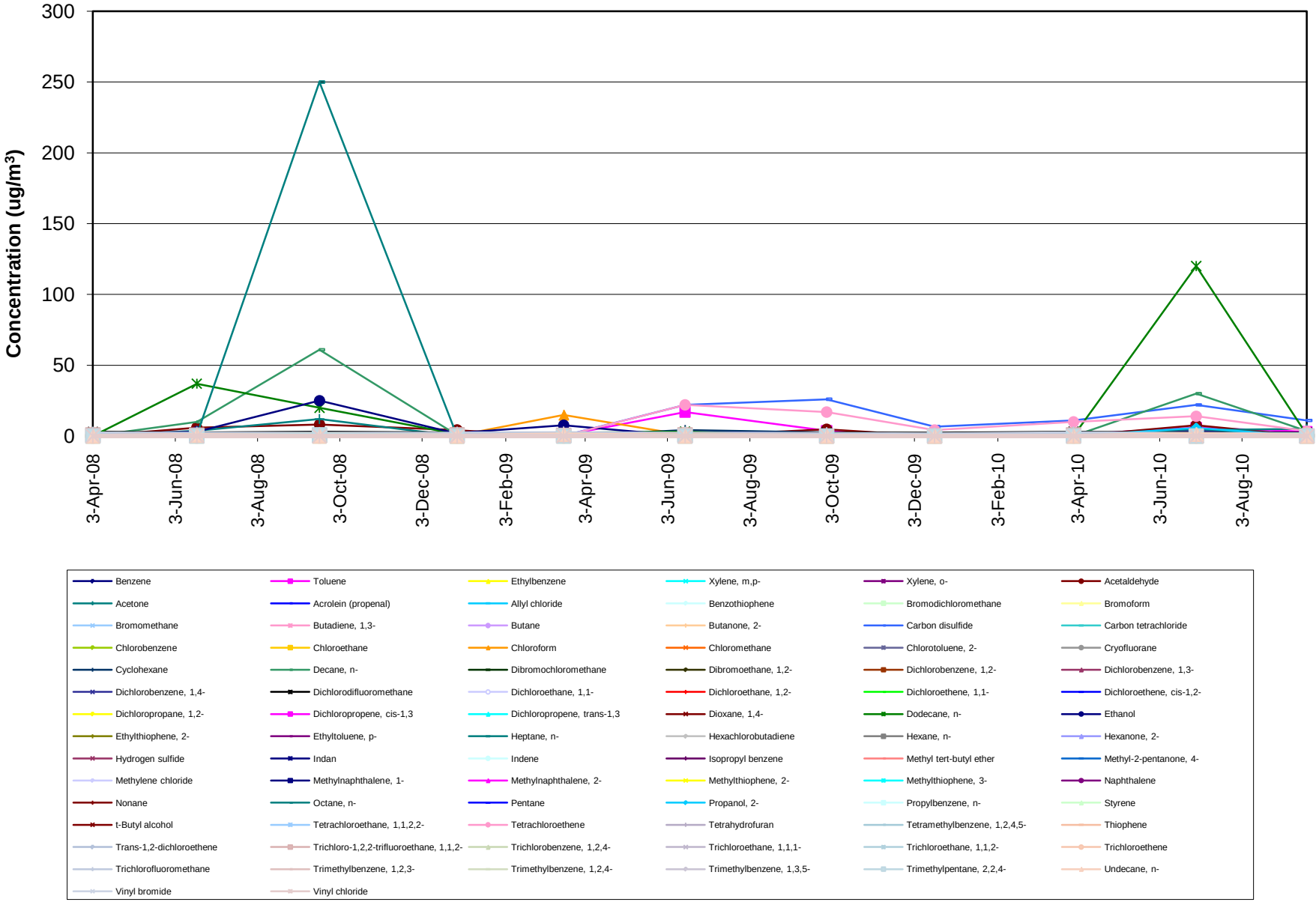
OU2SG-18



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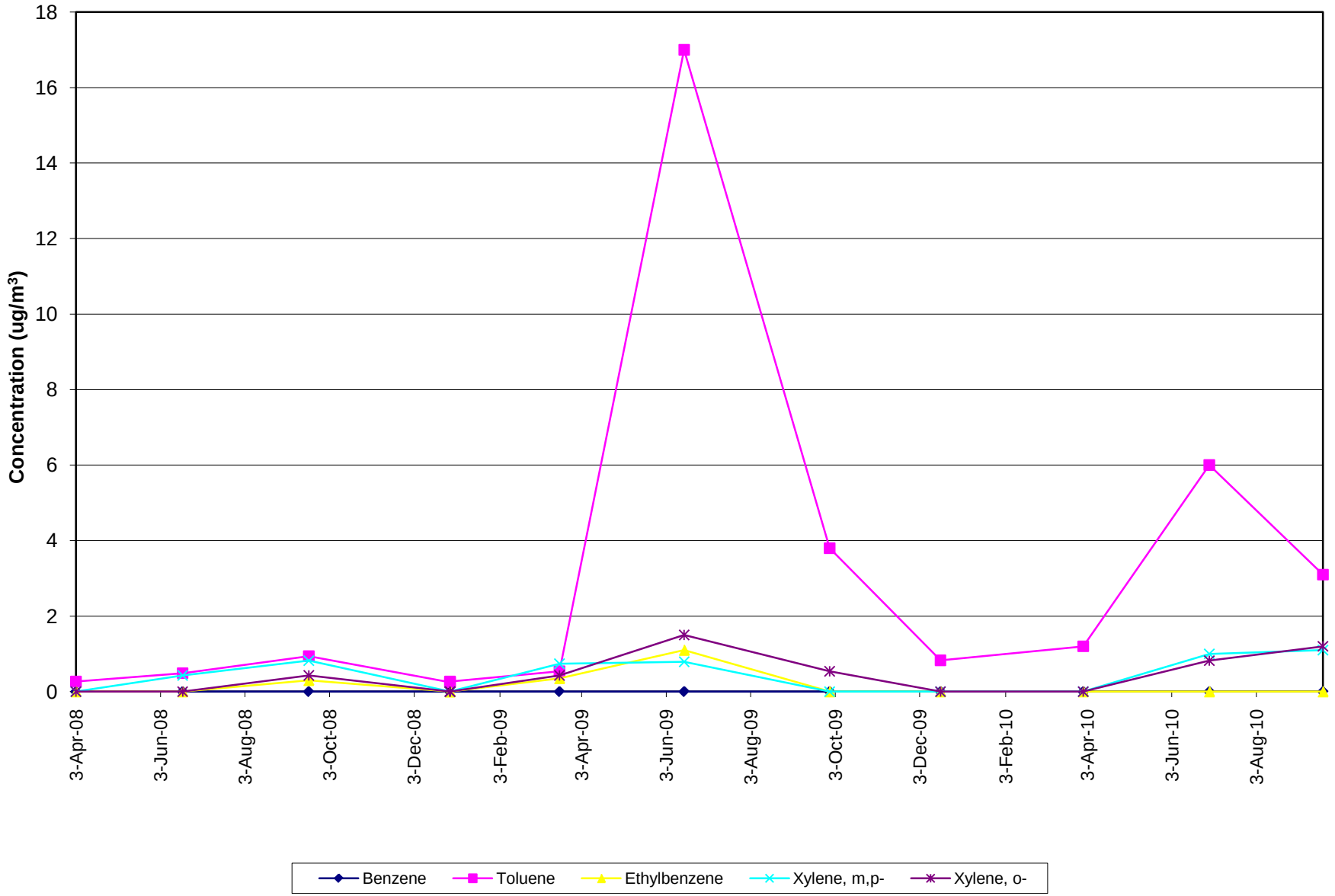
OU2SG-18 BTEX



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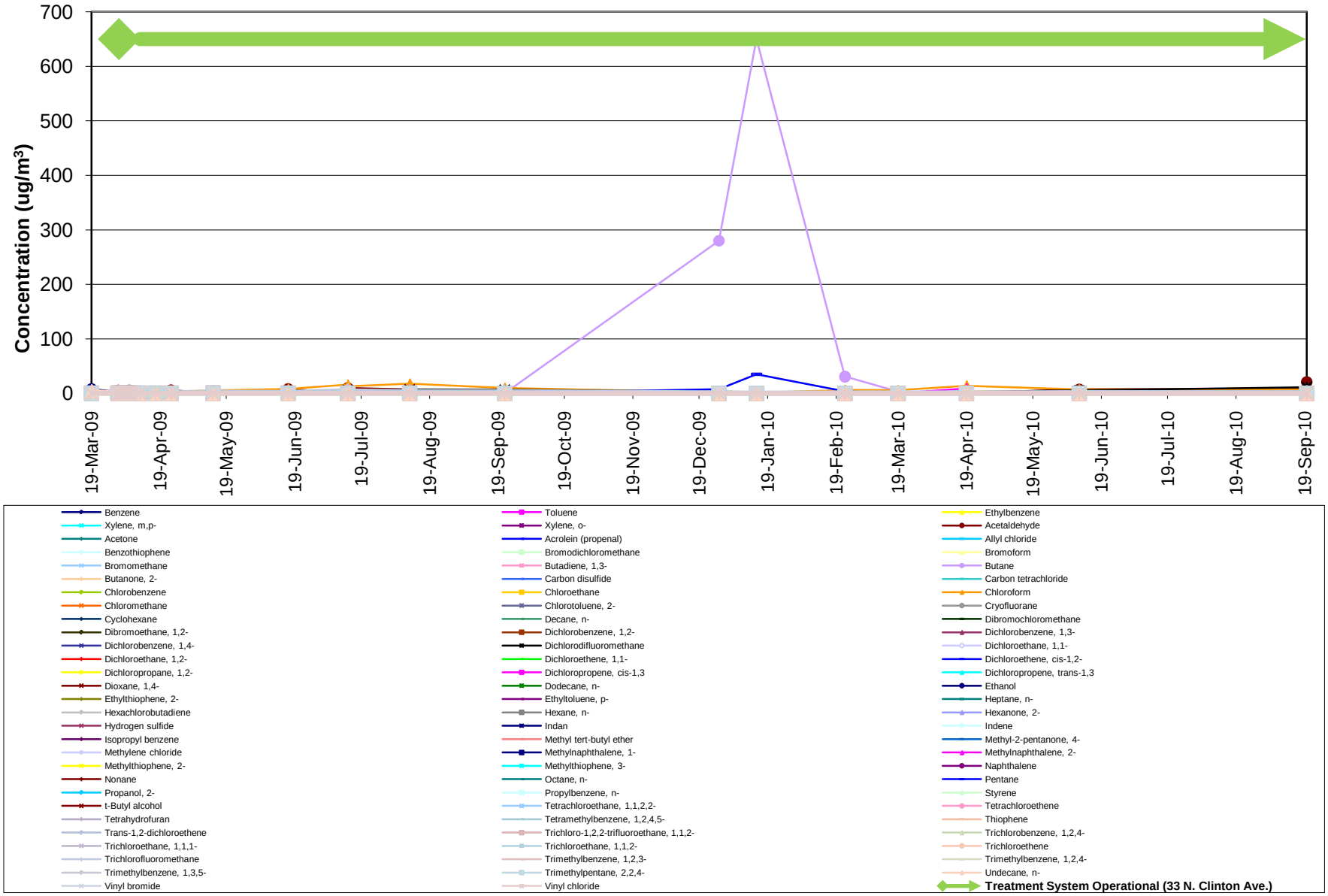
OU2SG-19



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Soil Vapor Analytical Results
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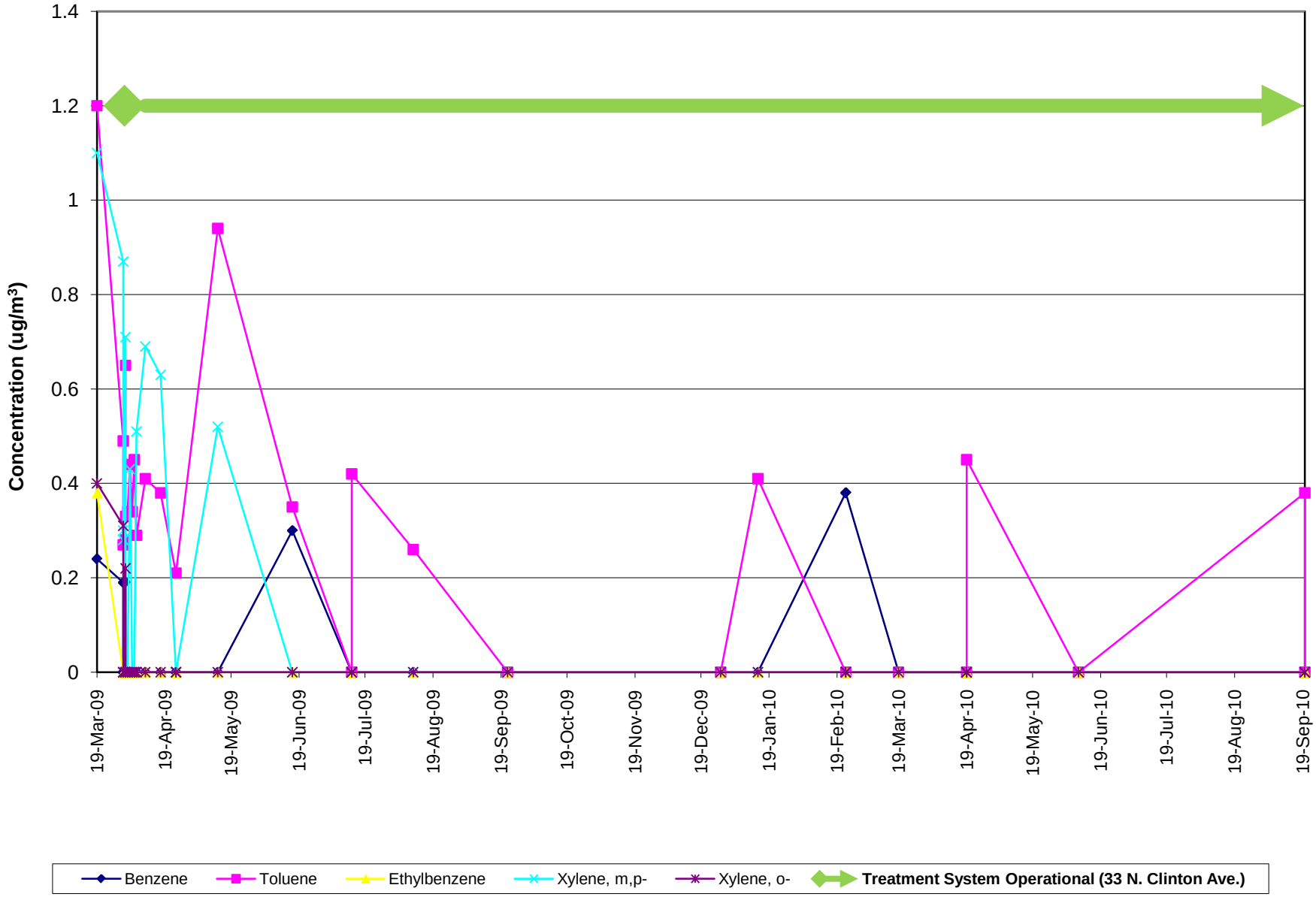
OU2SG-19 BTEX



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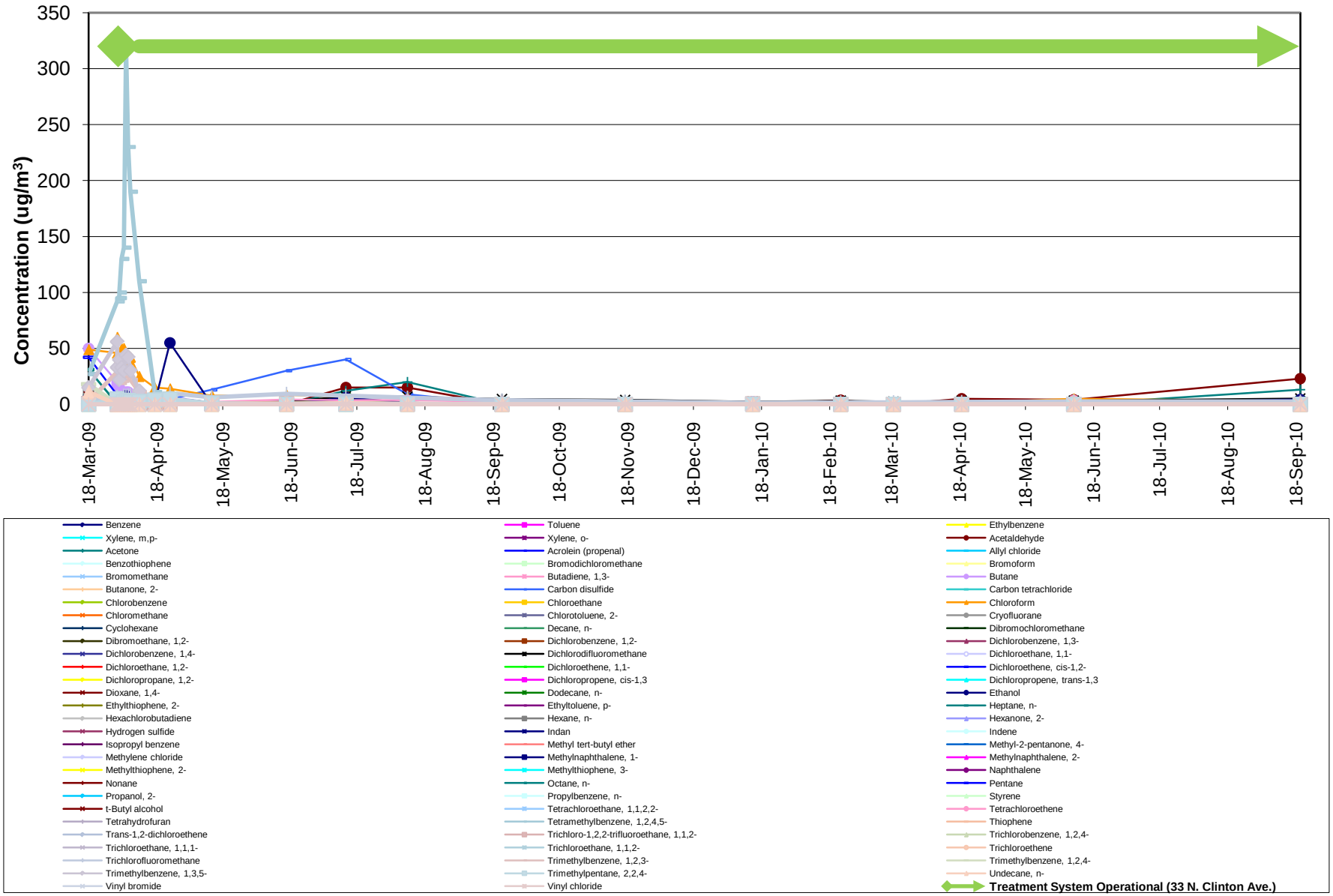
OU2SG-20



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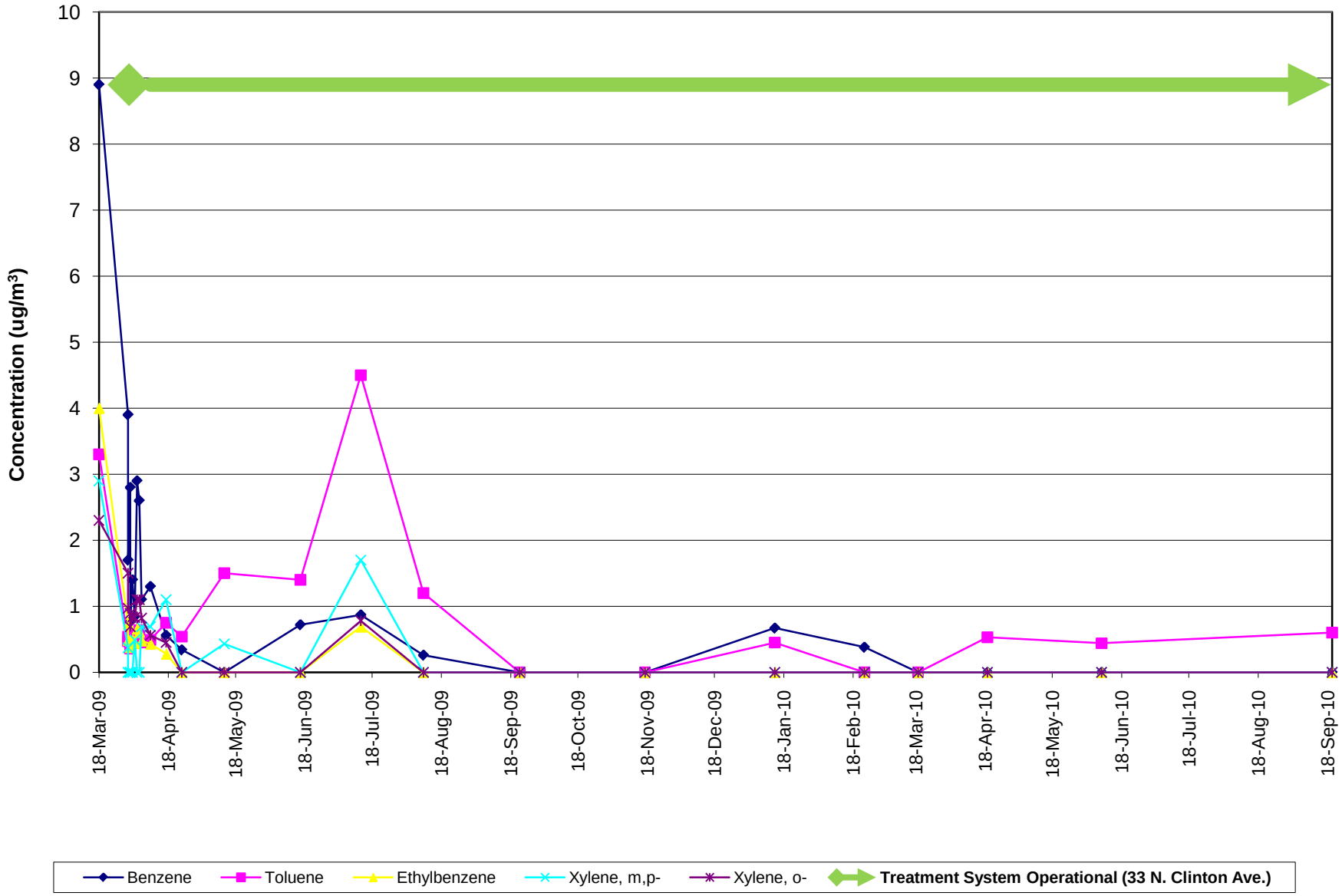
OU2SG-20 BTEX



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Soil Vapor Analytical Results
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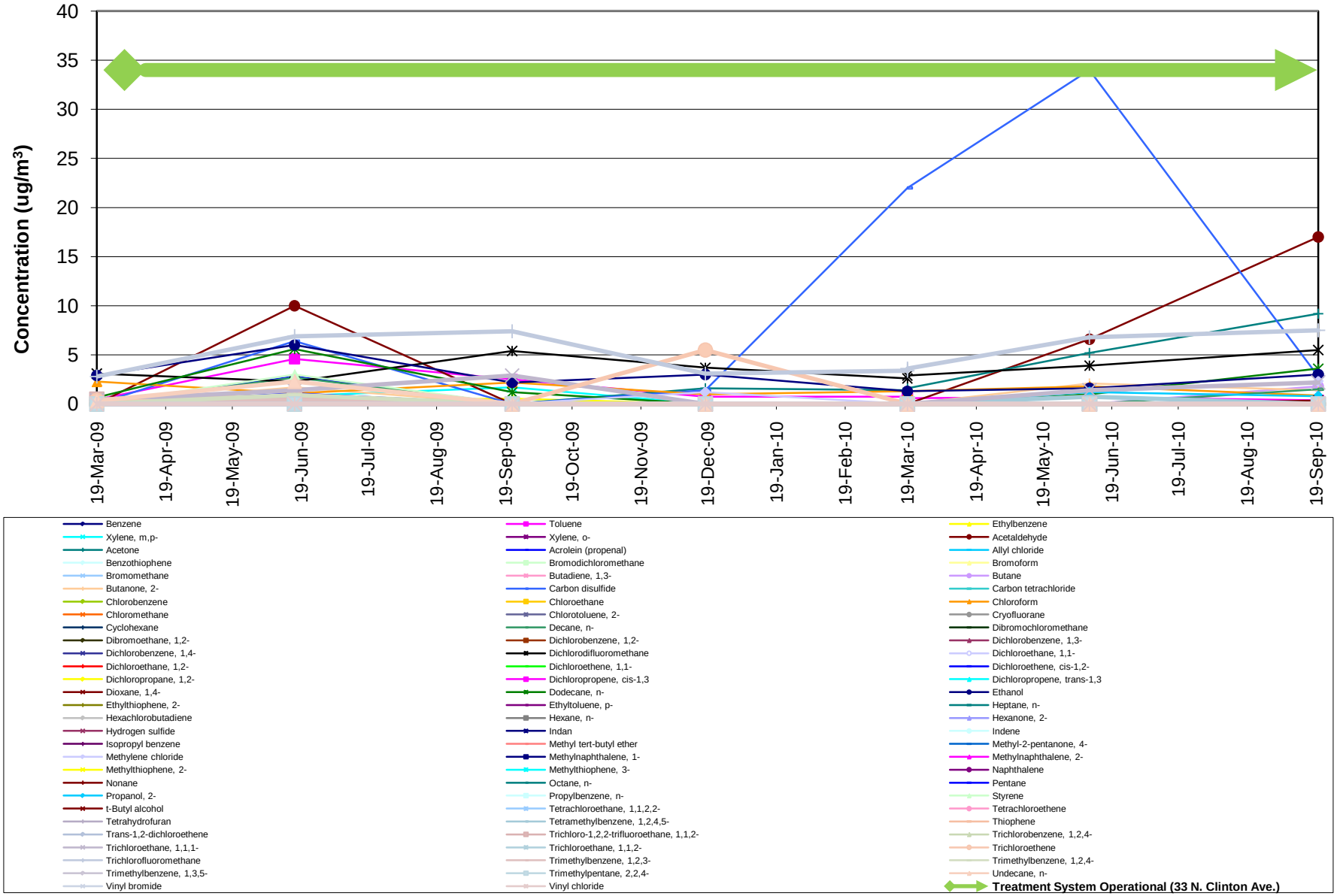
OU2SG-21



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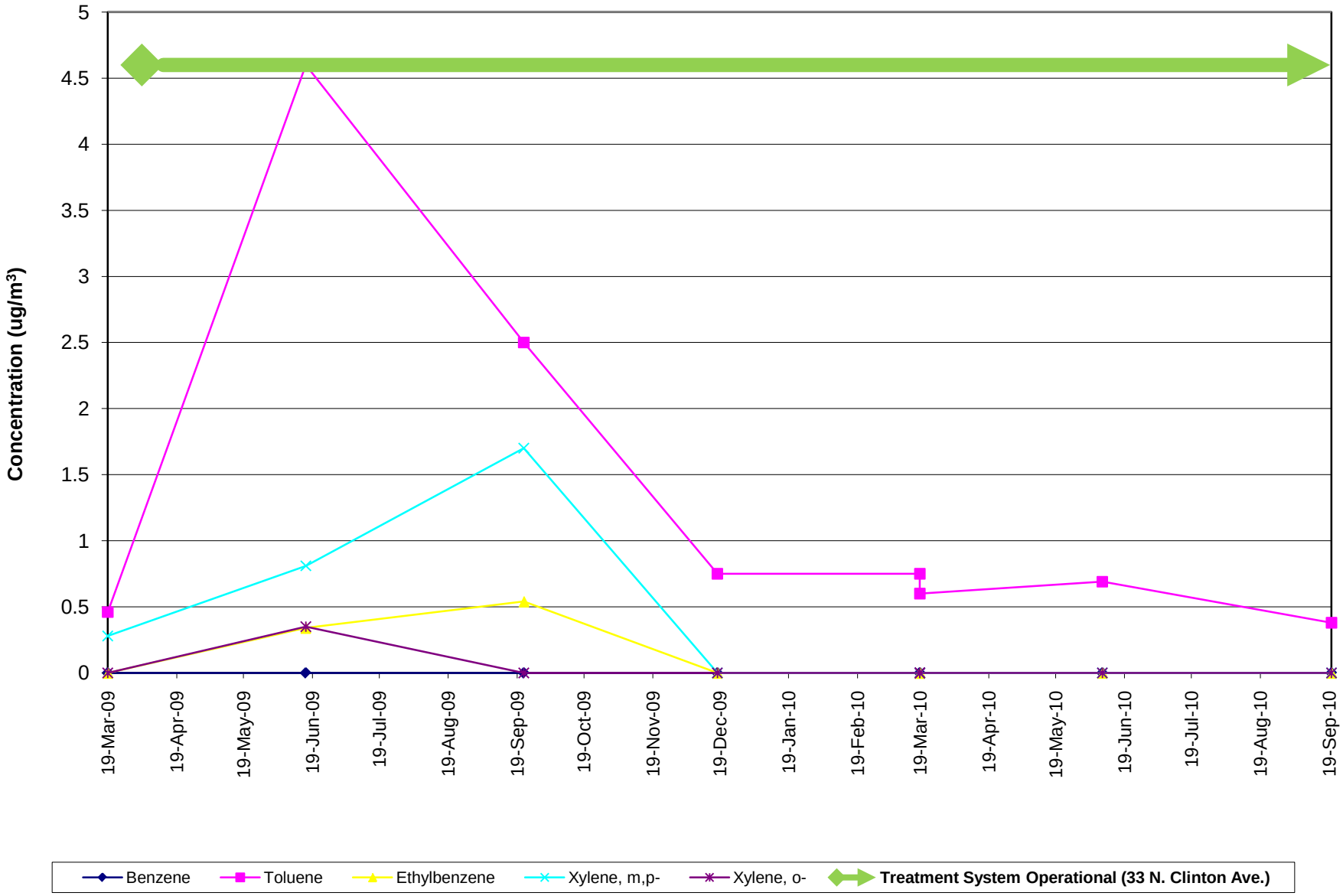
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG-21 BTEX



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Soil Vapor Analytical Results
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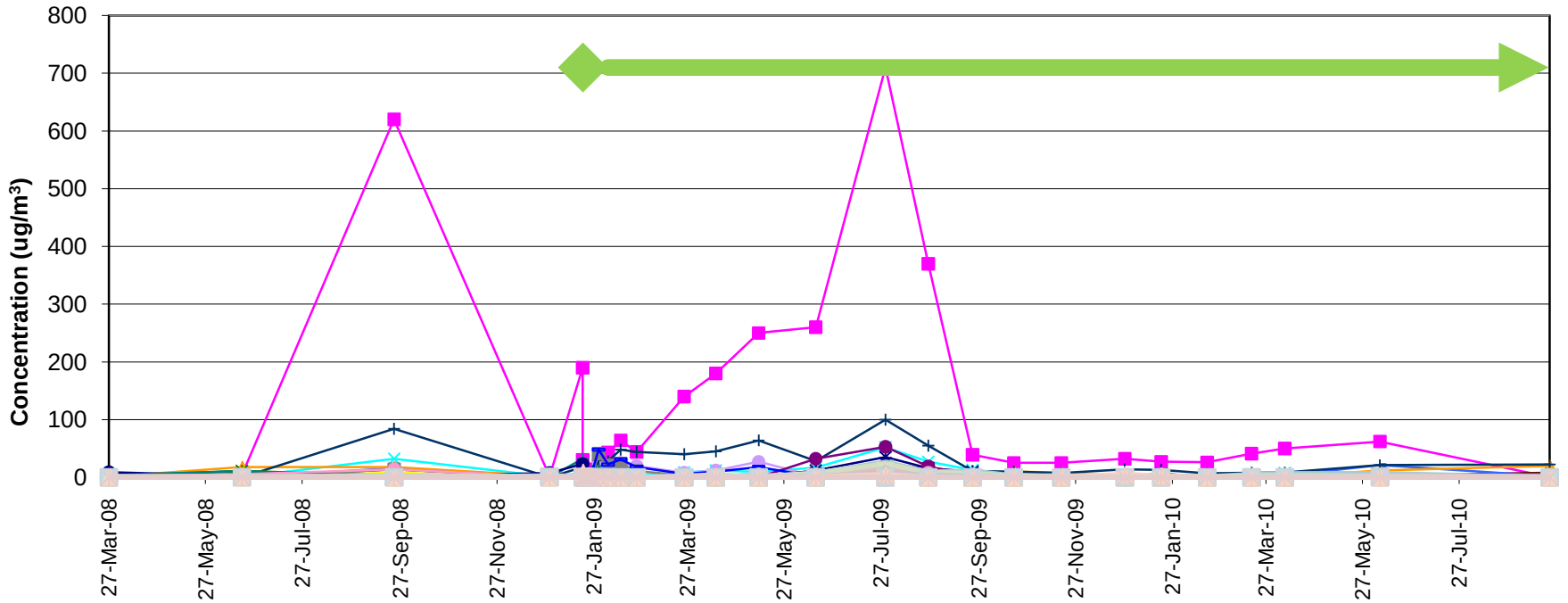
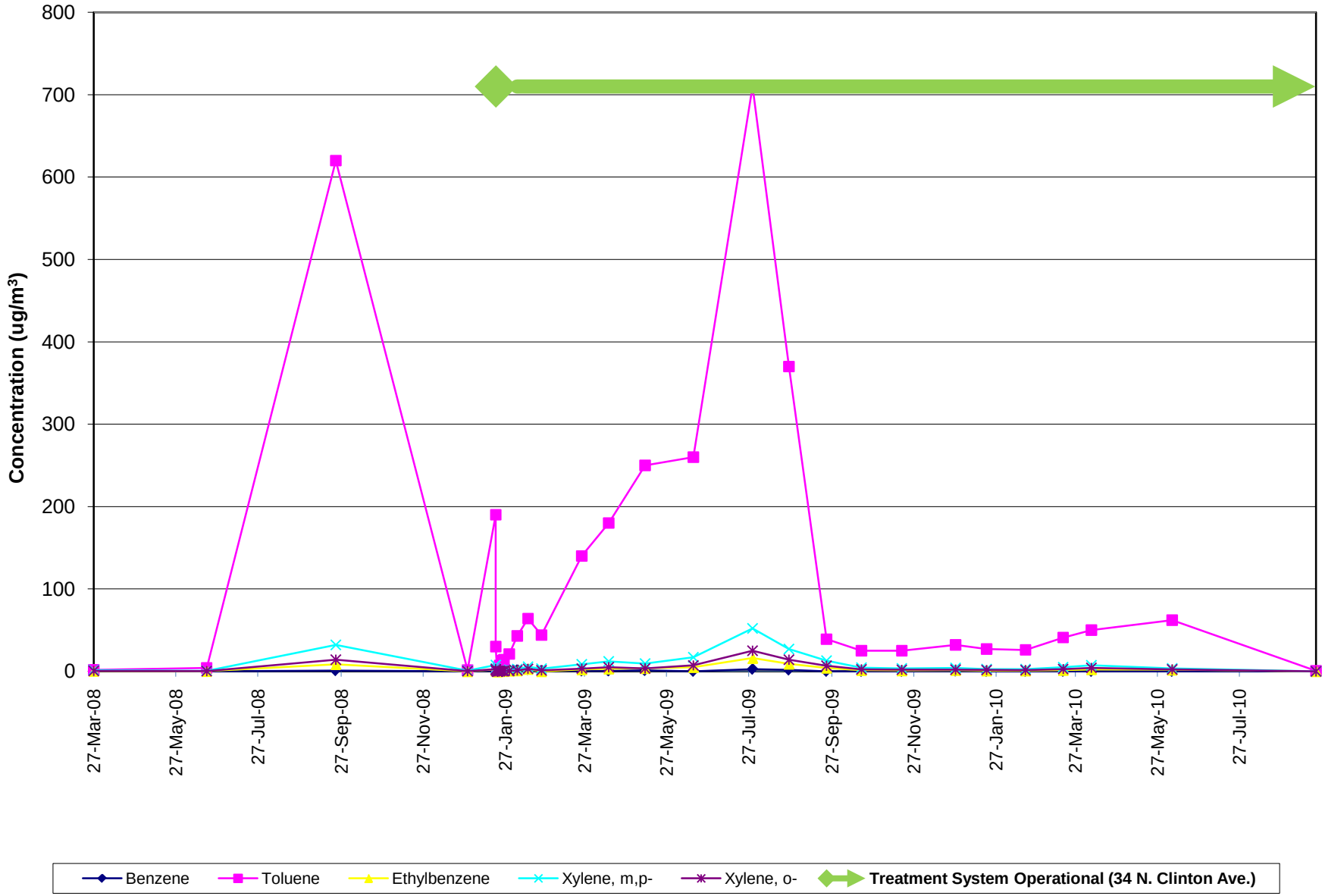
OU2SG-22



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
Treatment System Operational (34 N. Clinton Ave.)

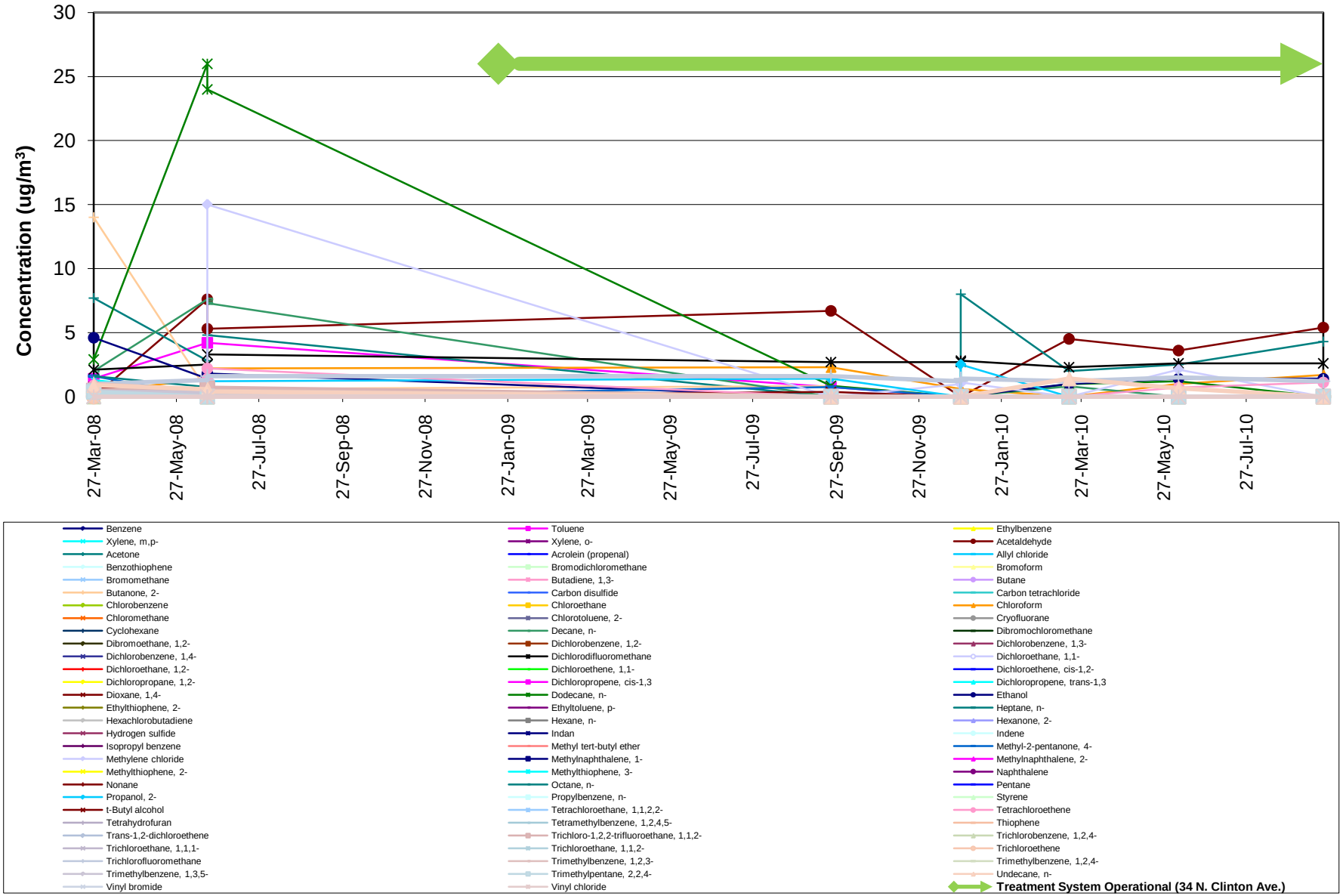
Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG-22 BTEX



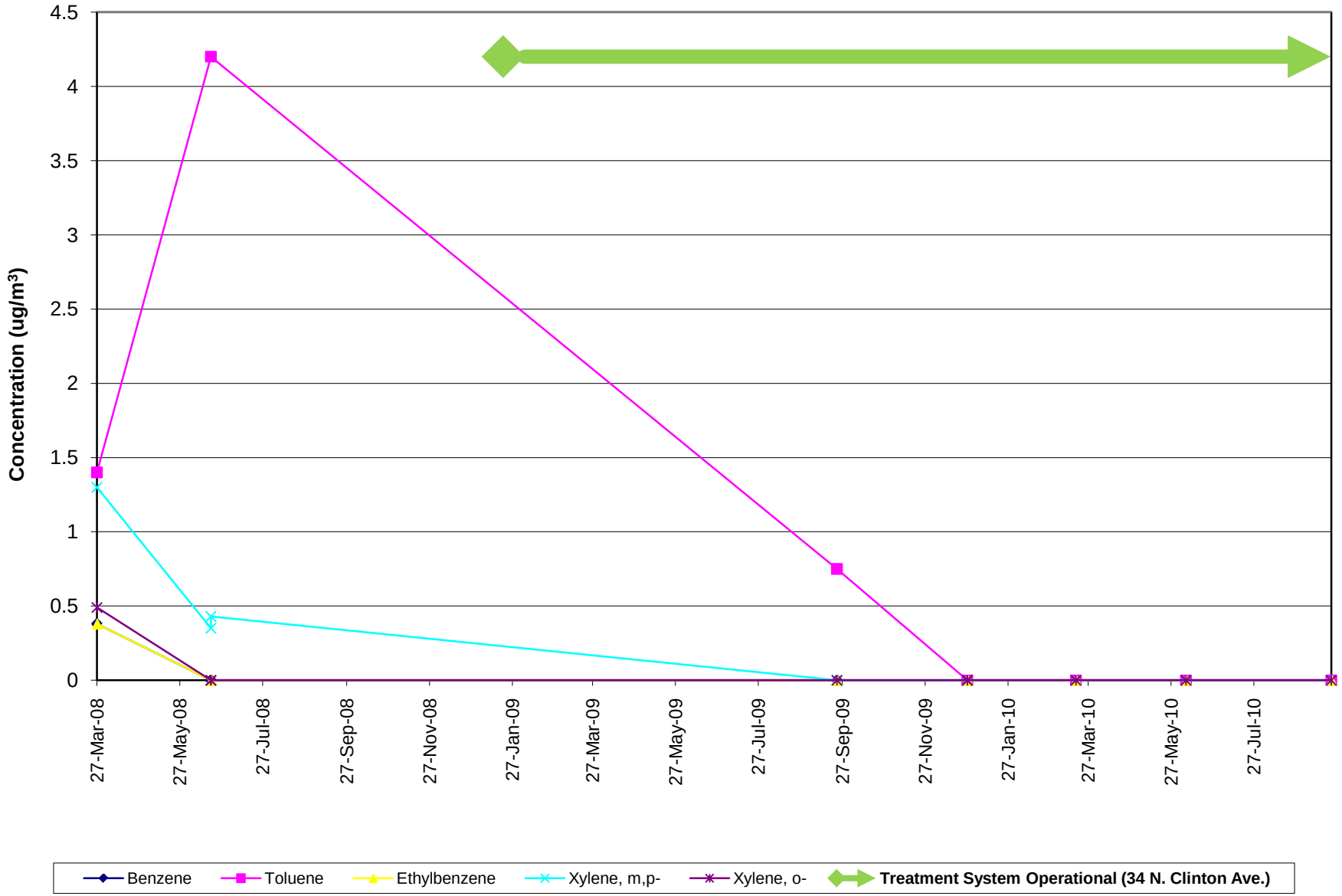
Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG-23



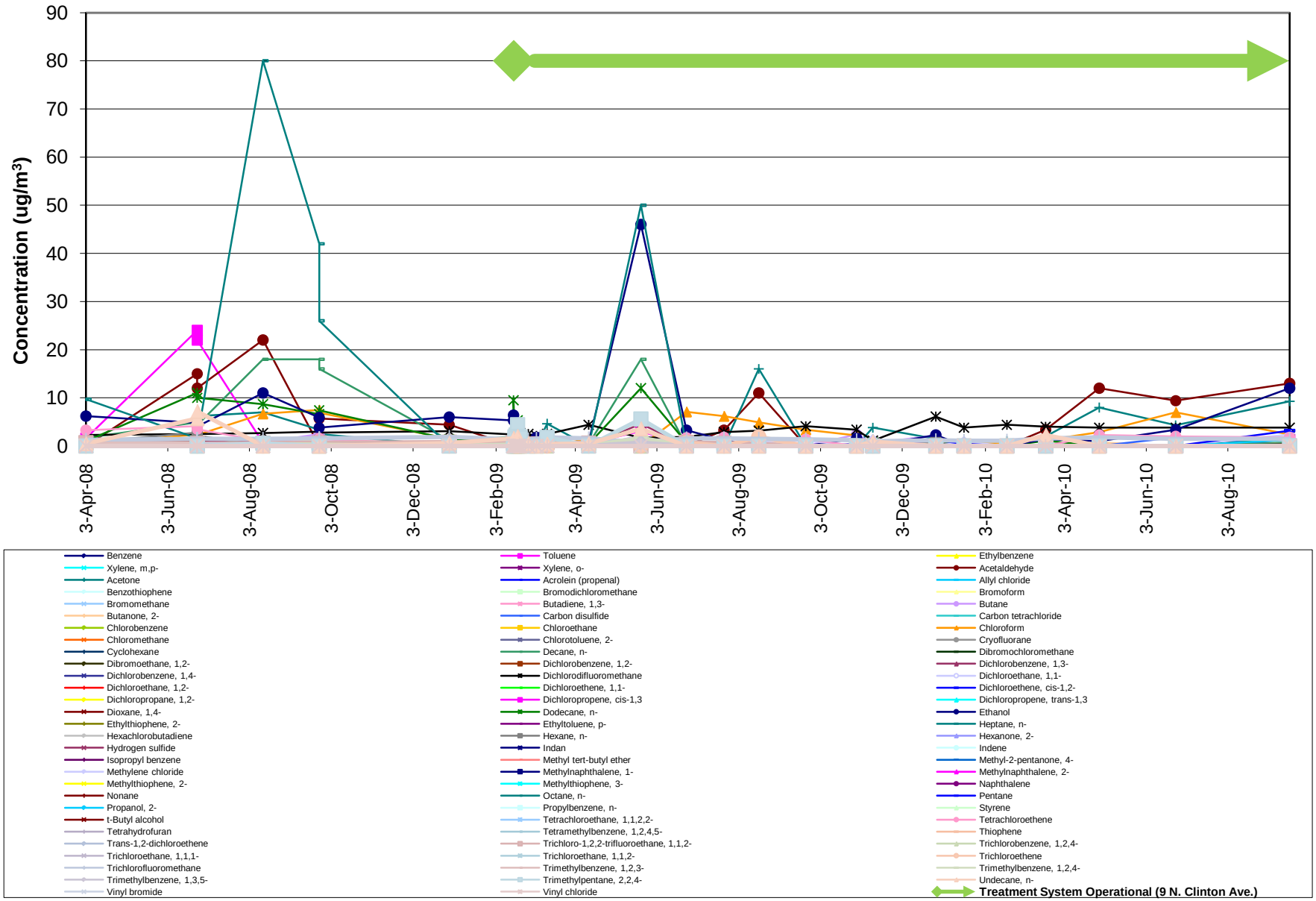
Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG-23 BTEX



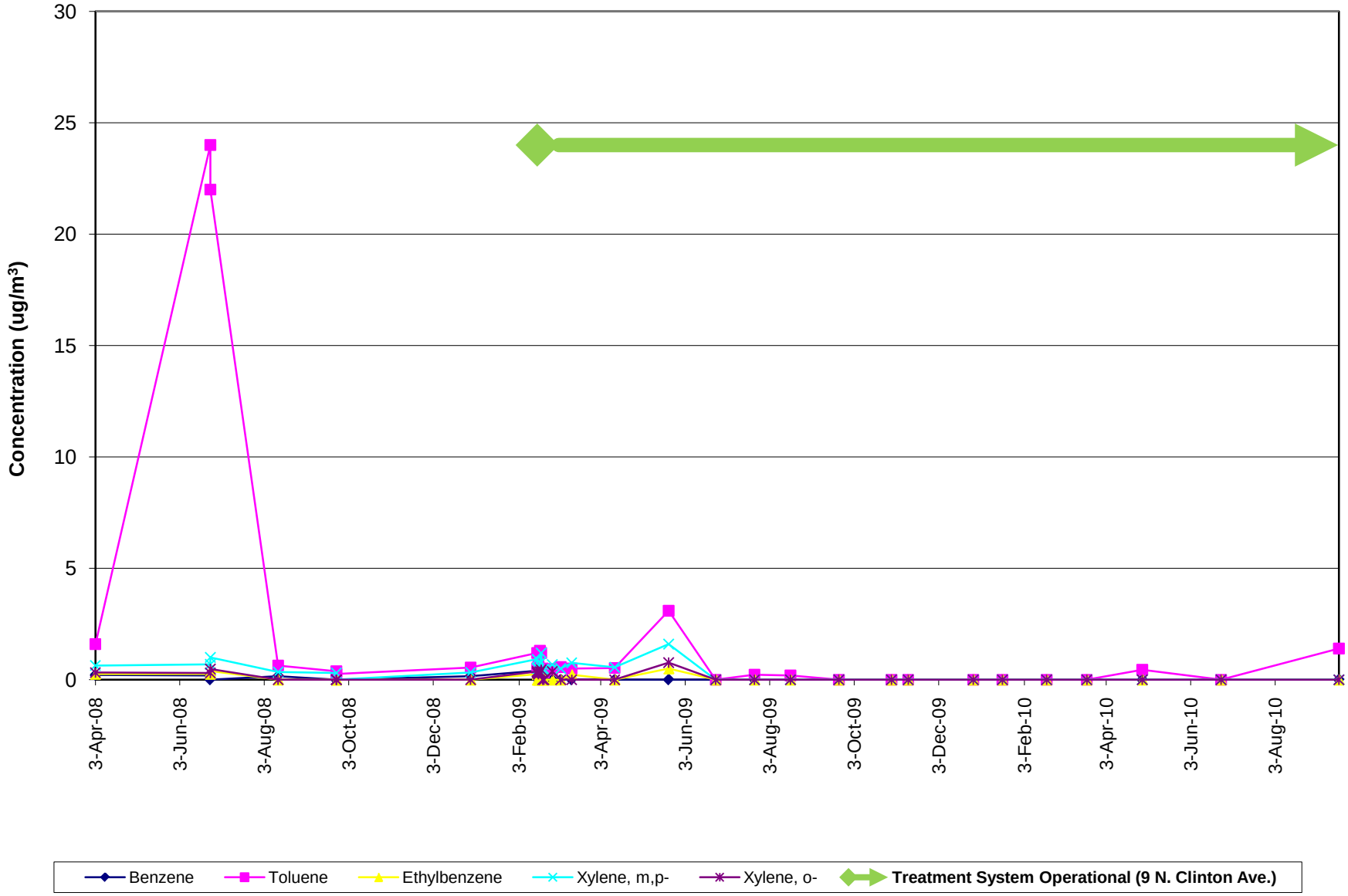
Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG-24



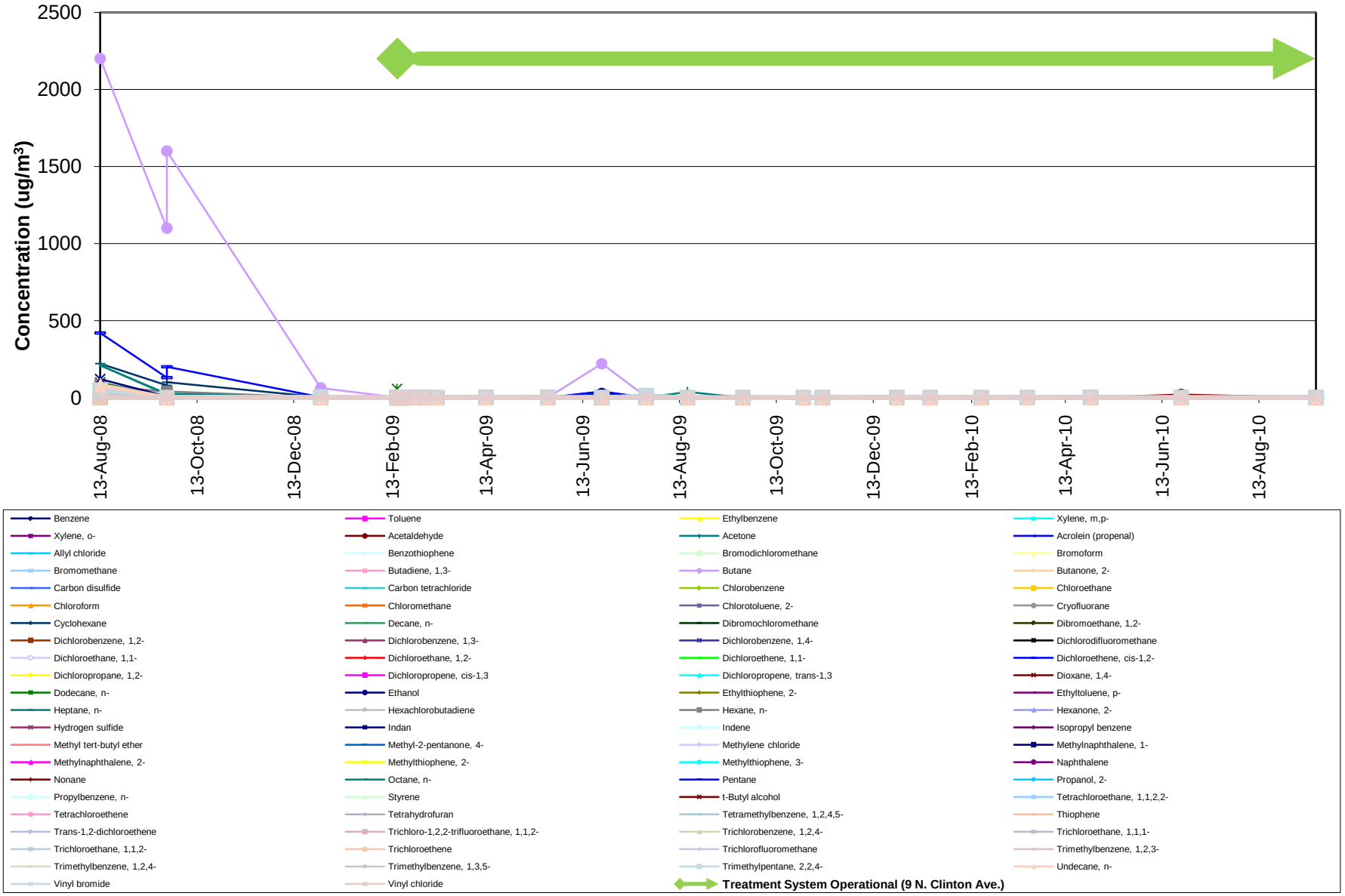
Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG-24 BTEX



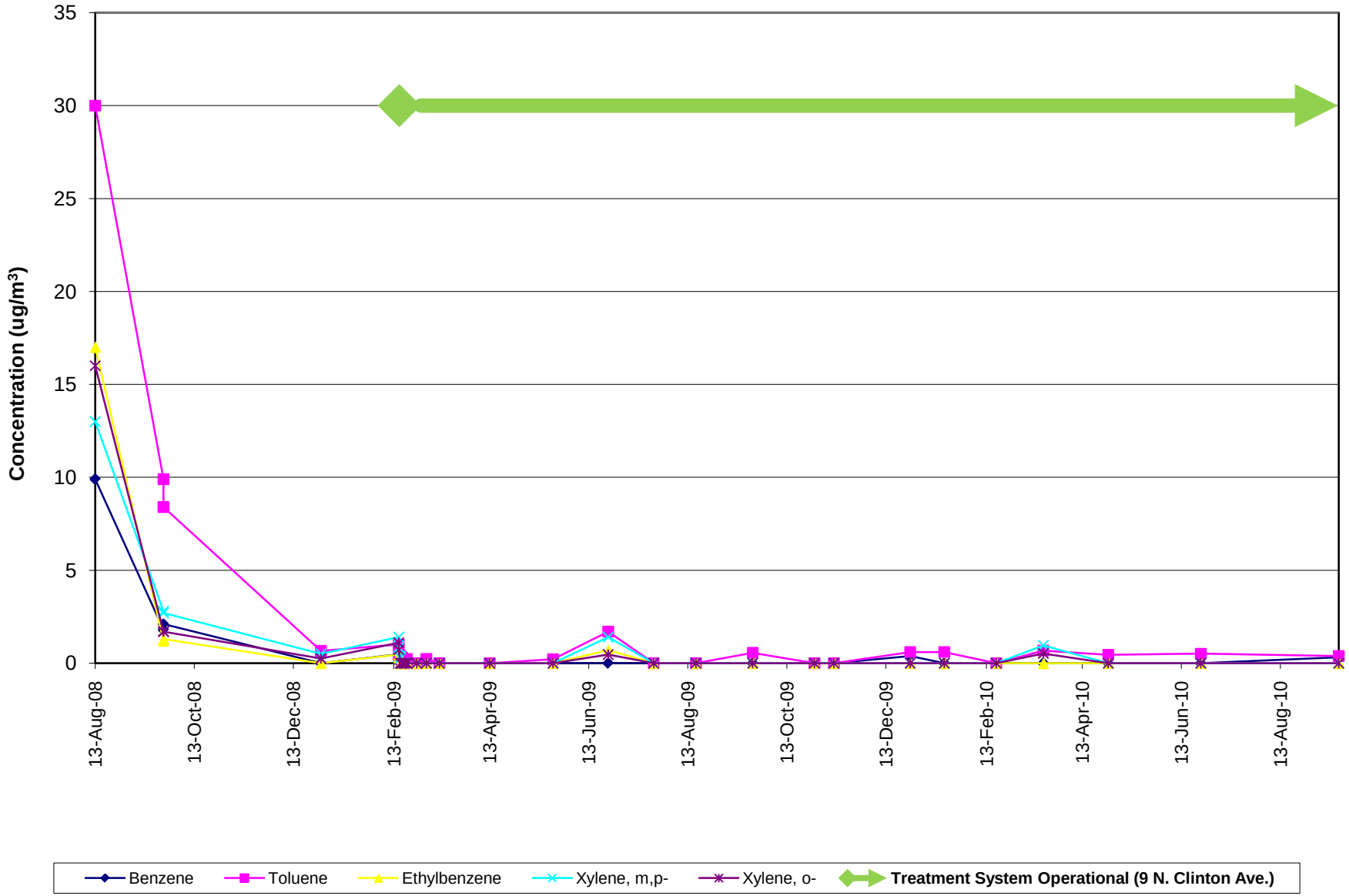
Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG-25



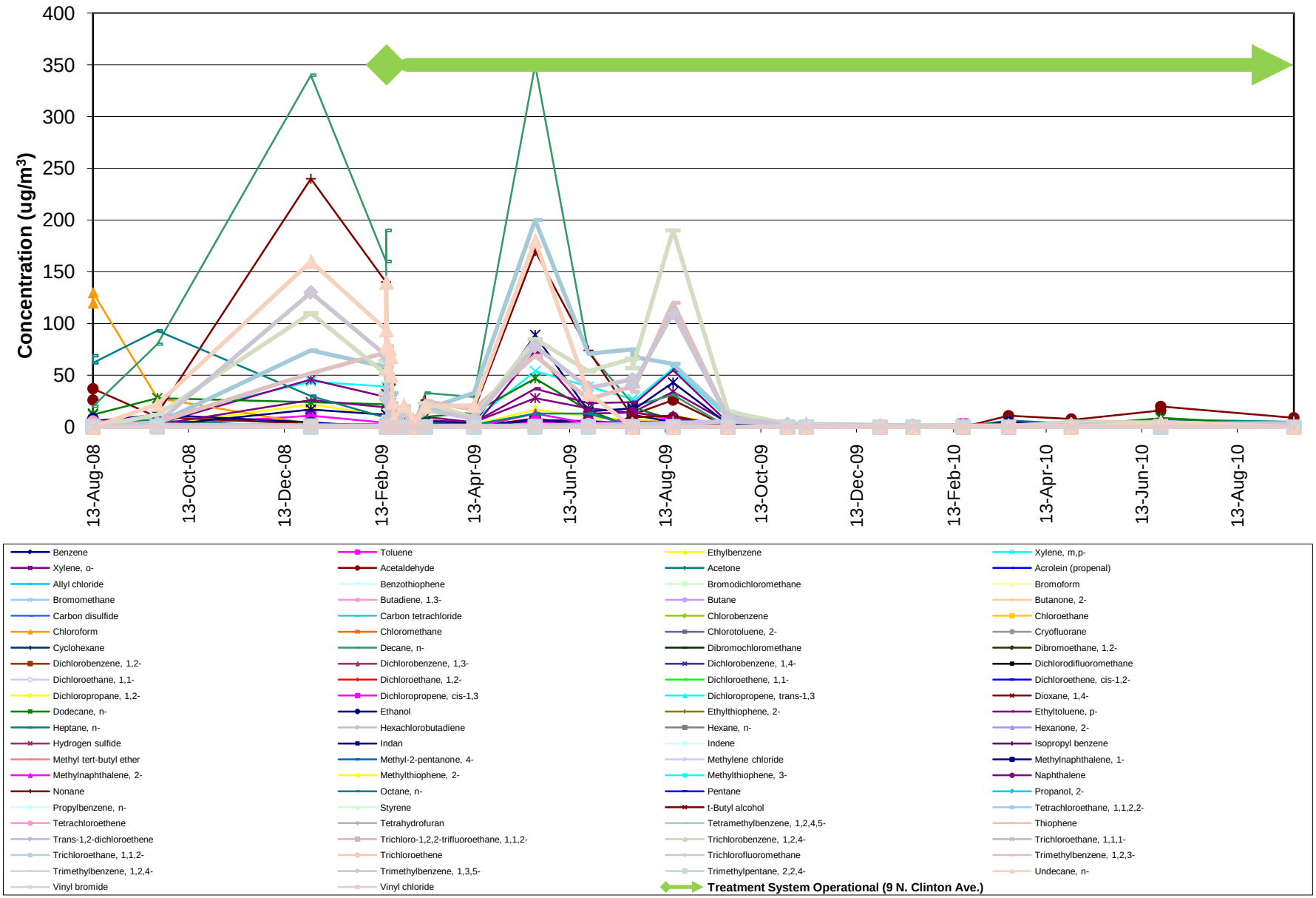
Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG-25 BTEX



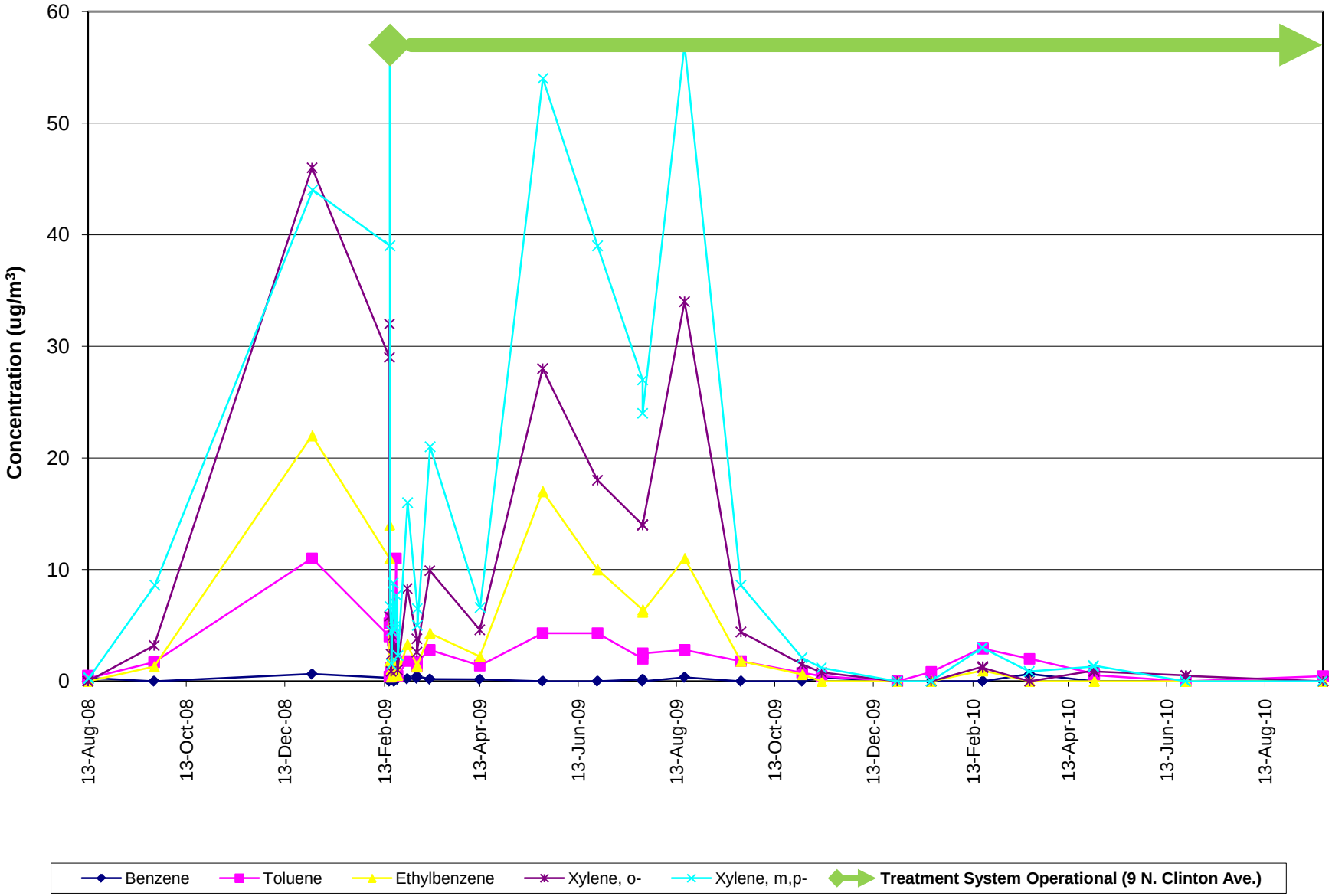
Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG-26



Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG-26 BTEX



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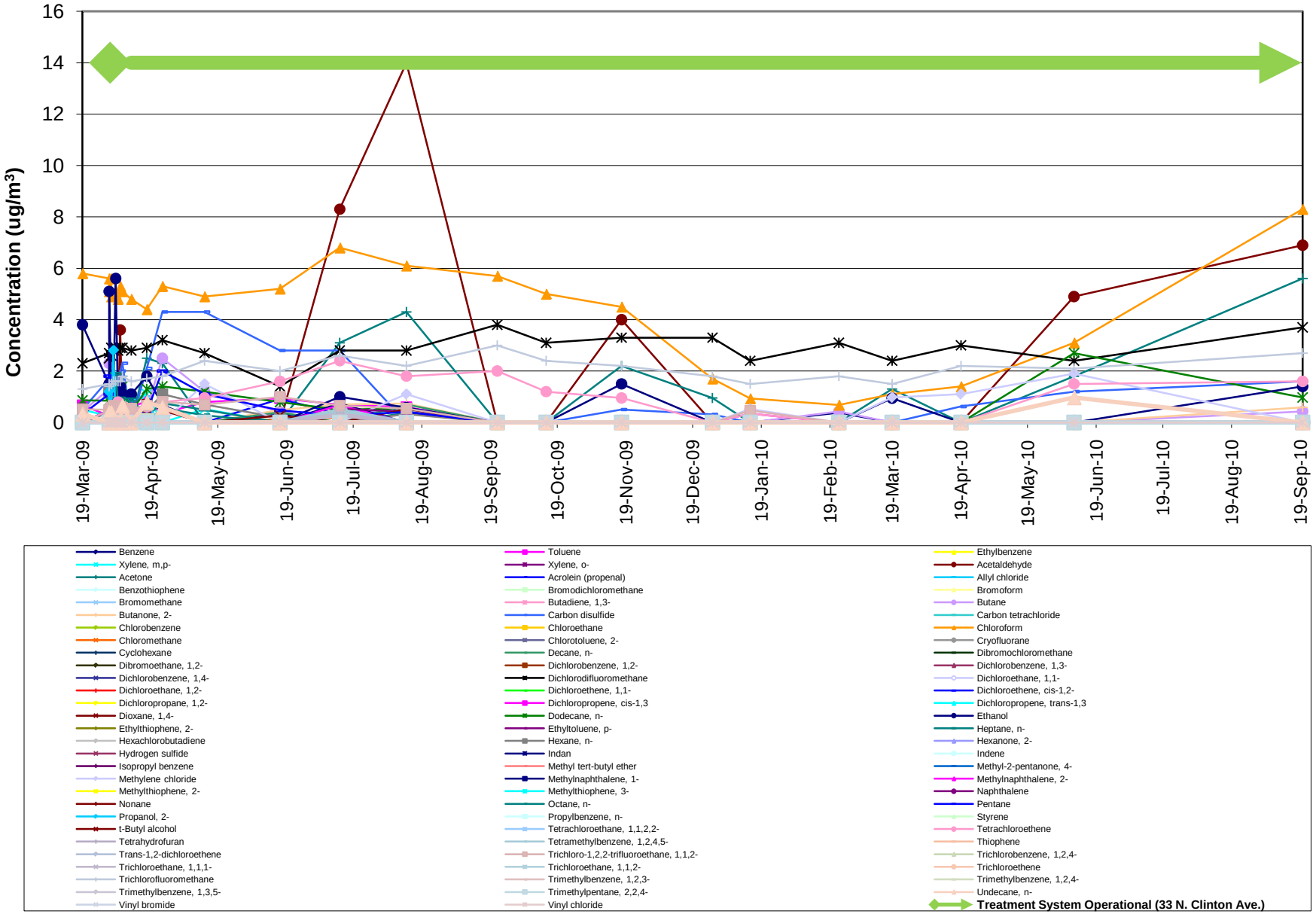
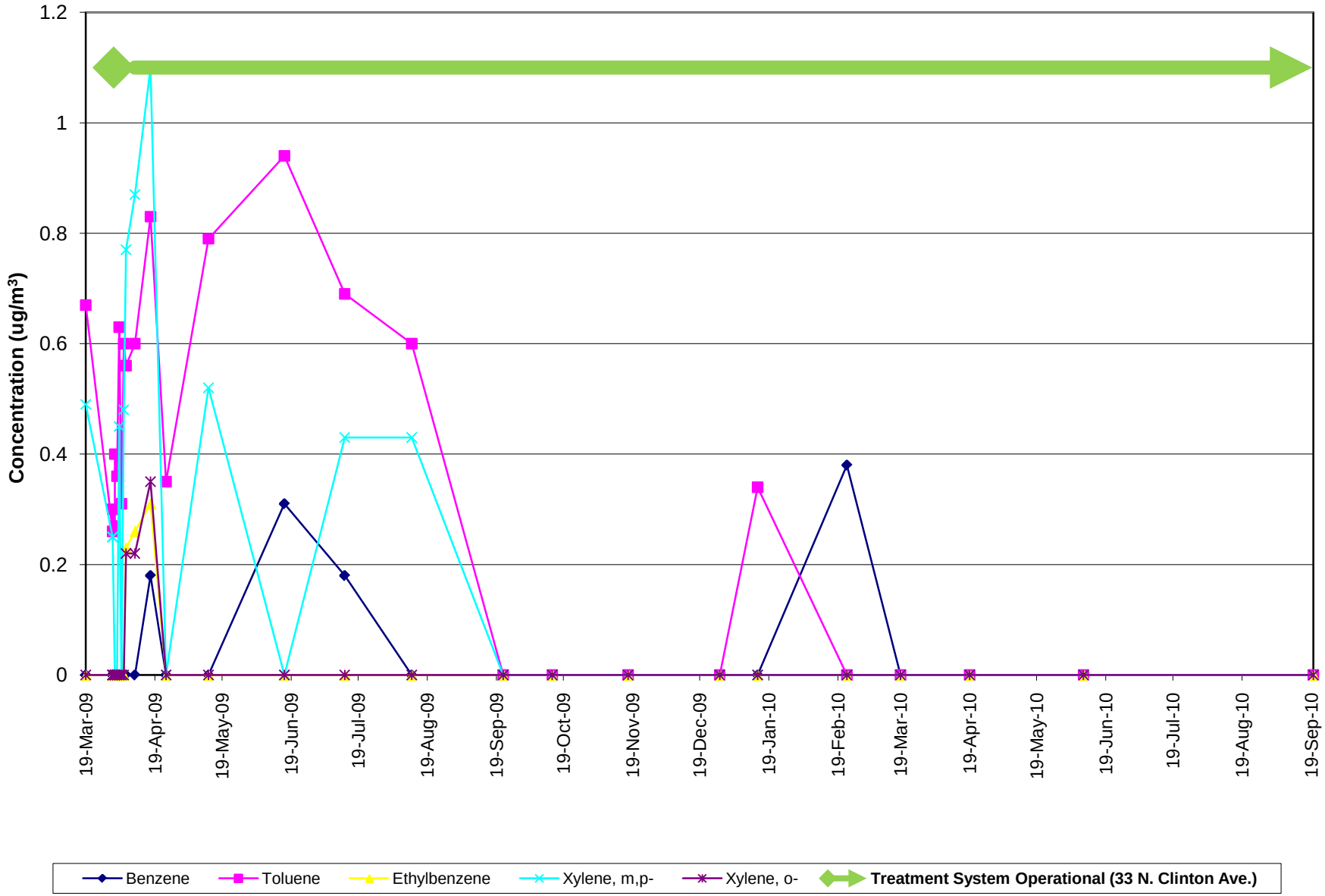
Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG-28



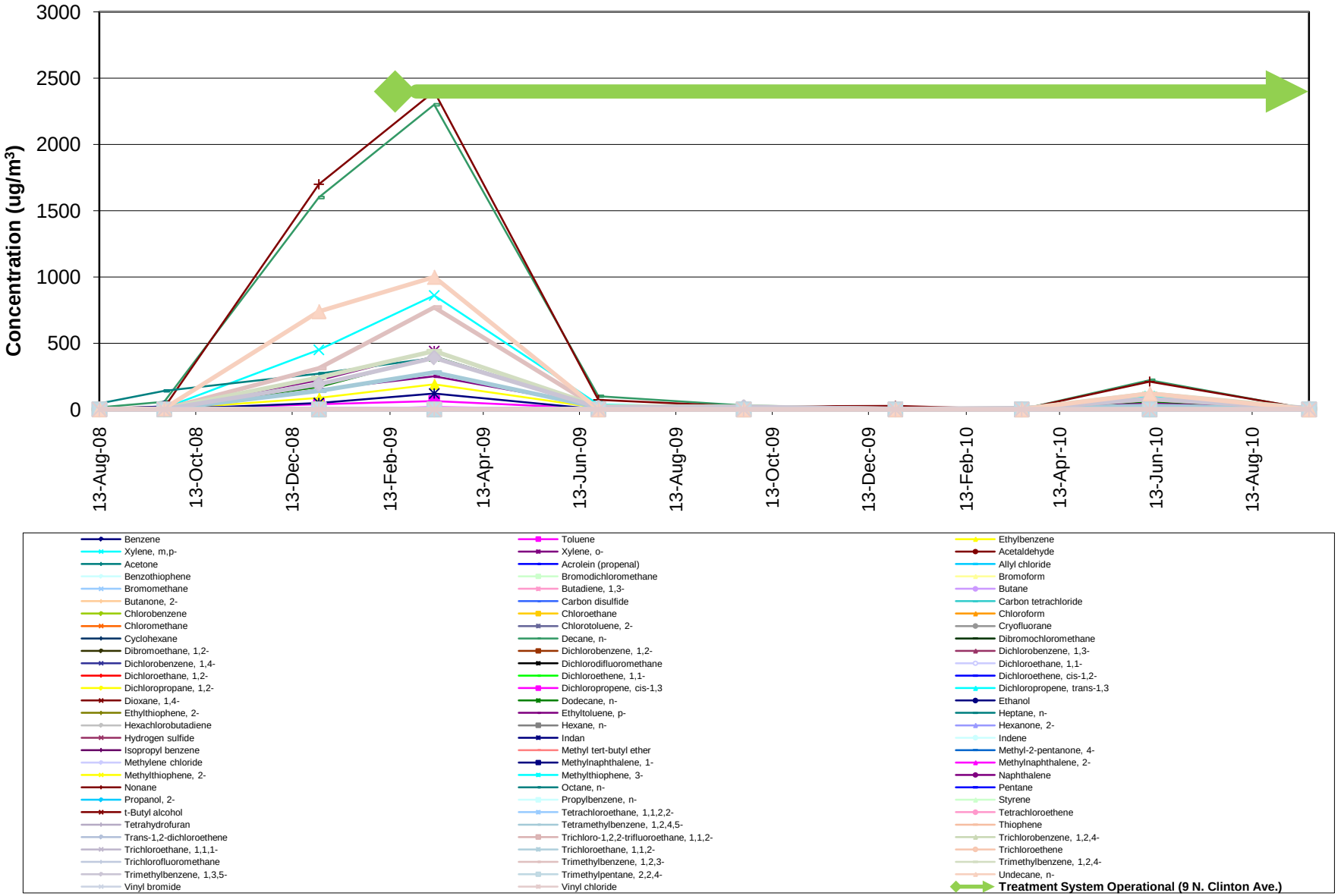
Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG-28 BTEX



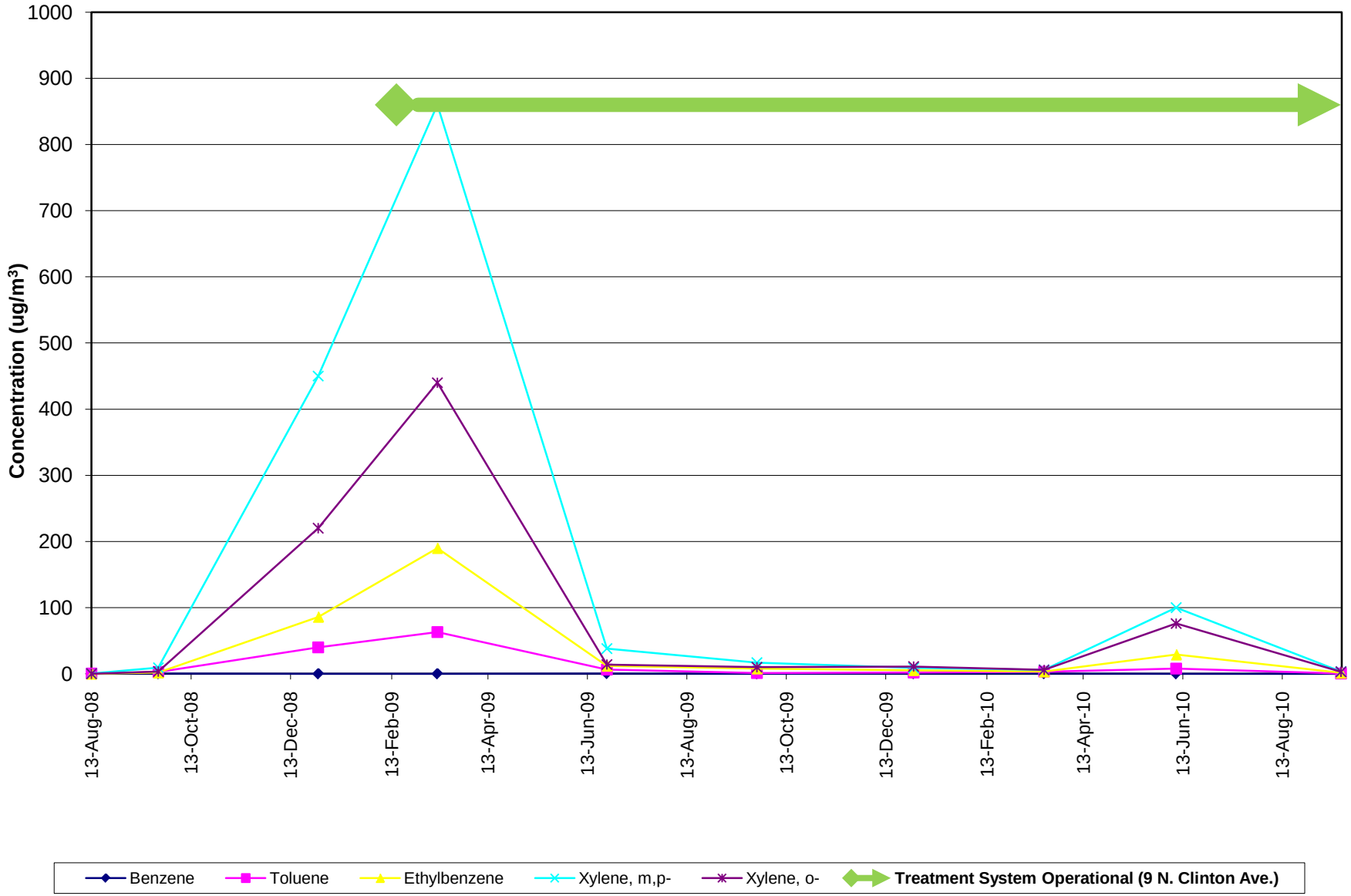
Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG-29



Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

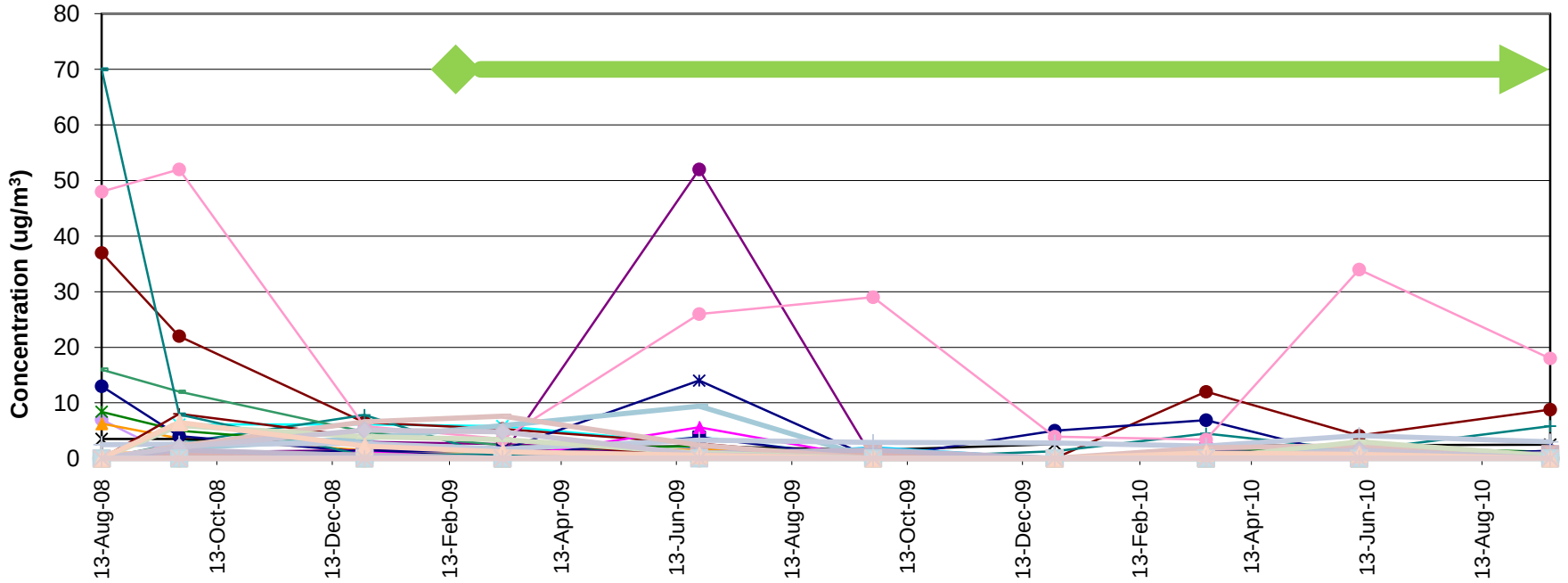
OU2SG-29 BTEX



GEI Consultants

Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

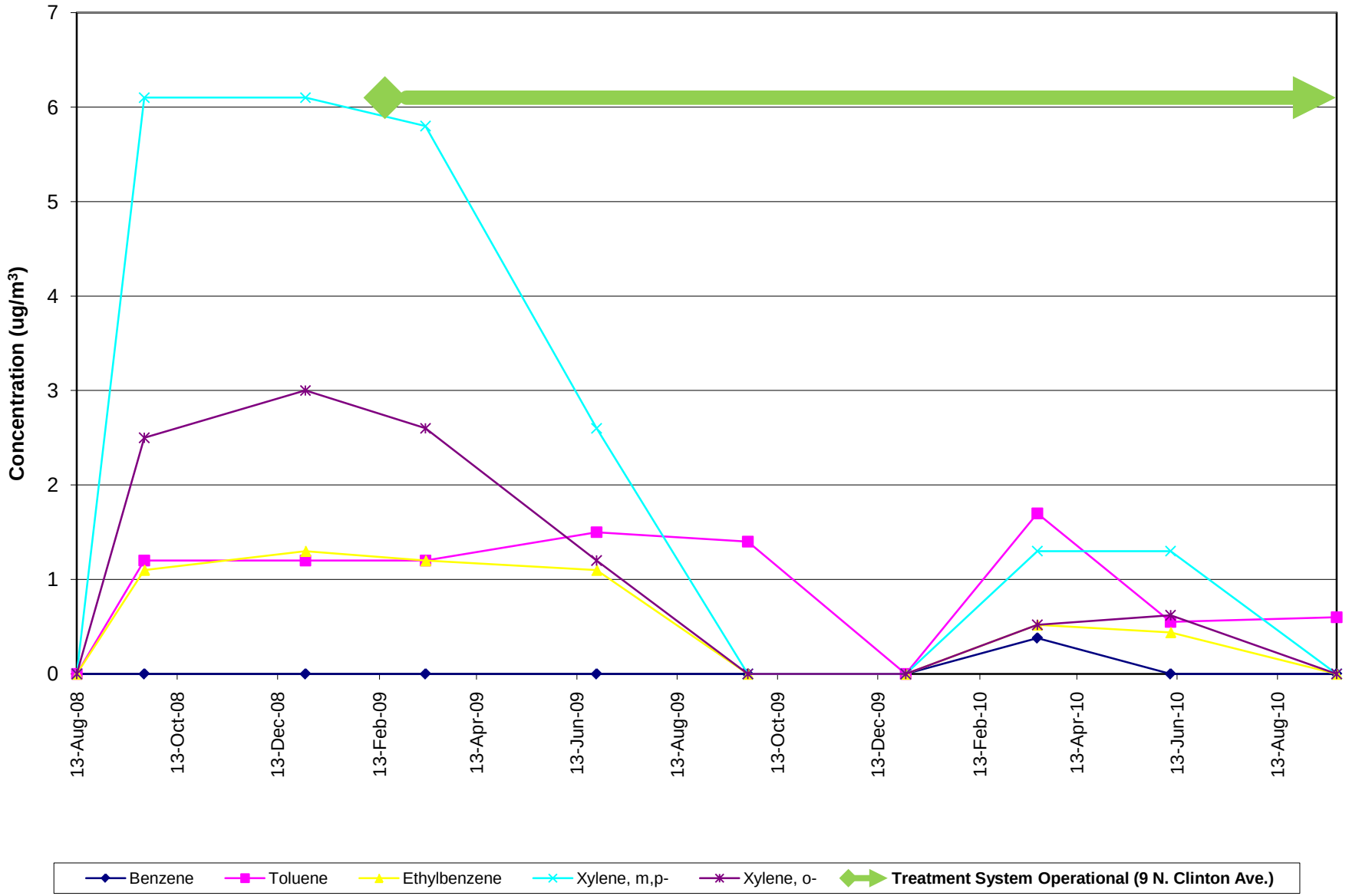
OU2SG-30



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
Treatment System Operational (9 N. Clinton Ave.)

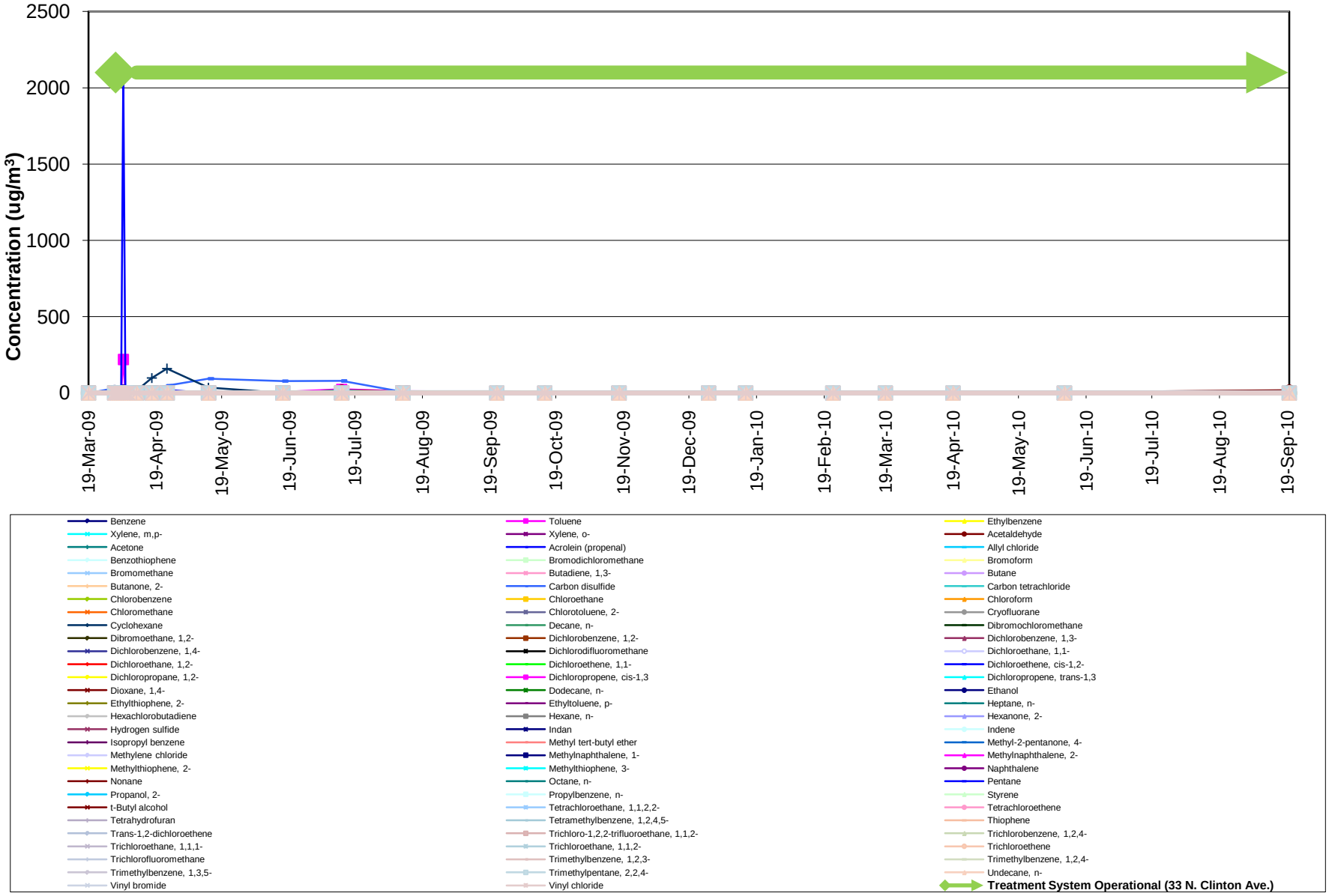
Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG-30 BTEX

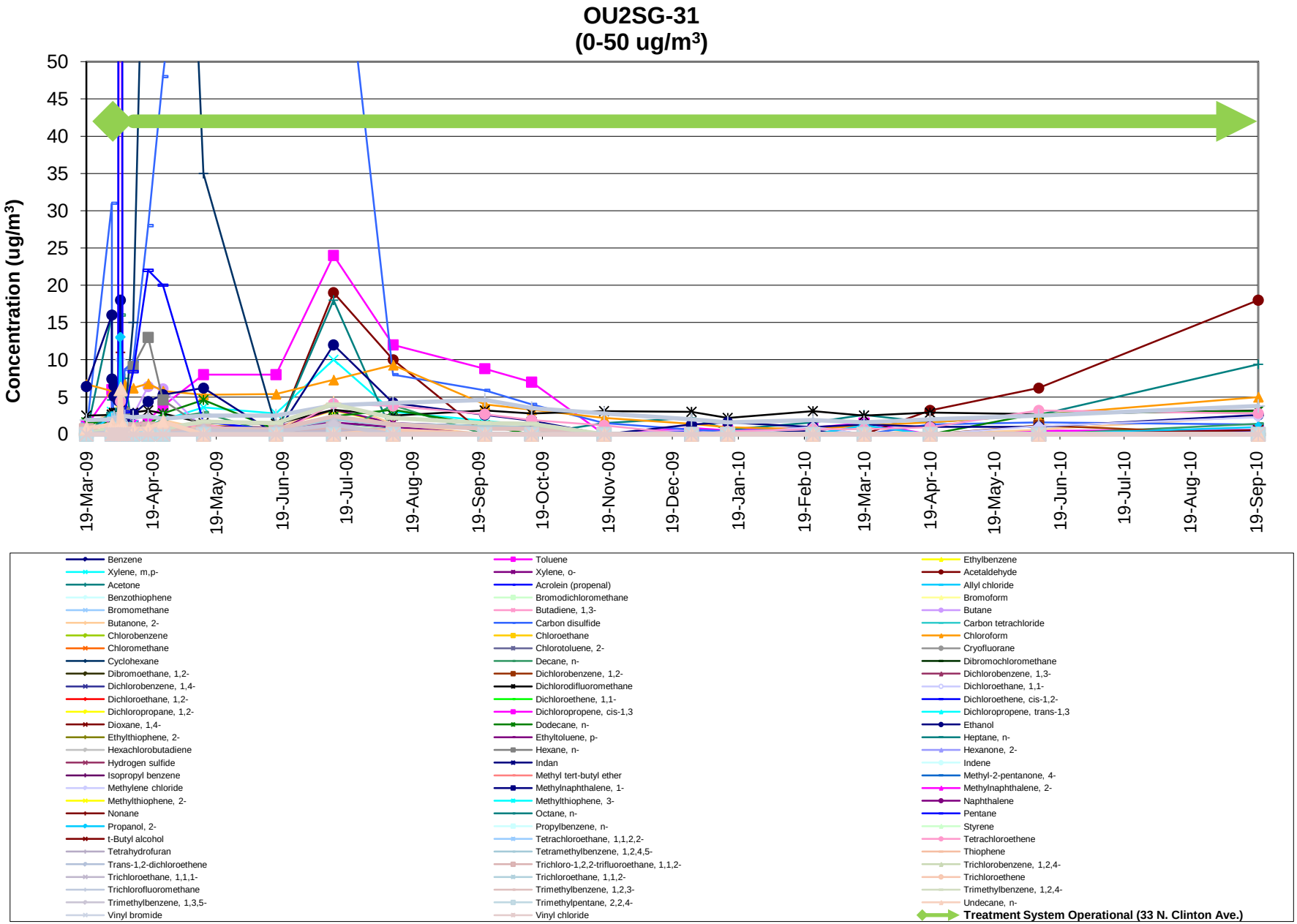


Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG-31

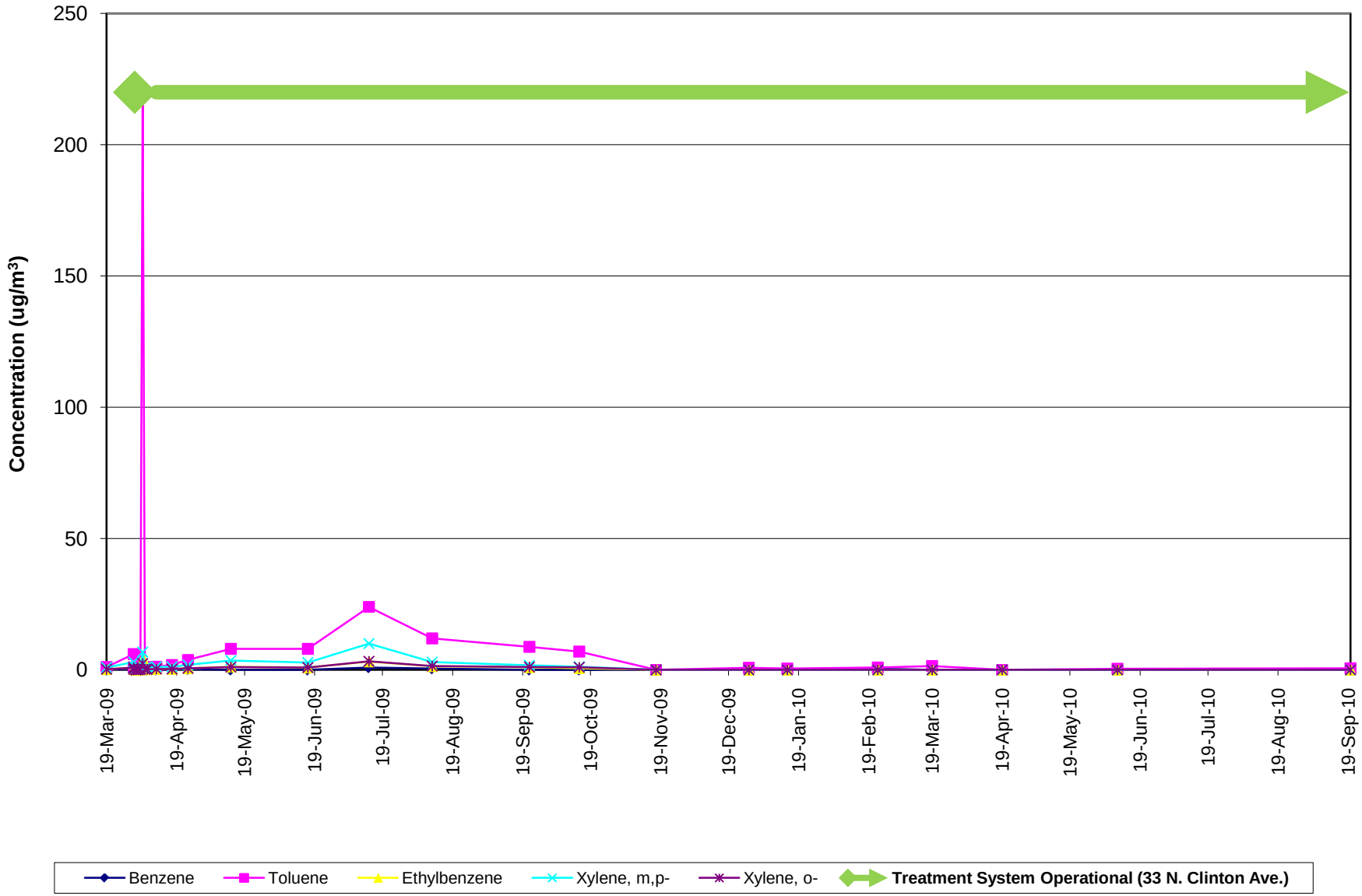


Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site



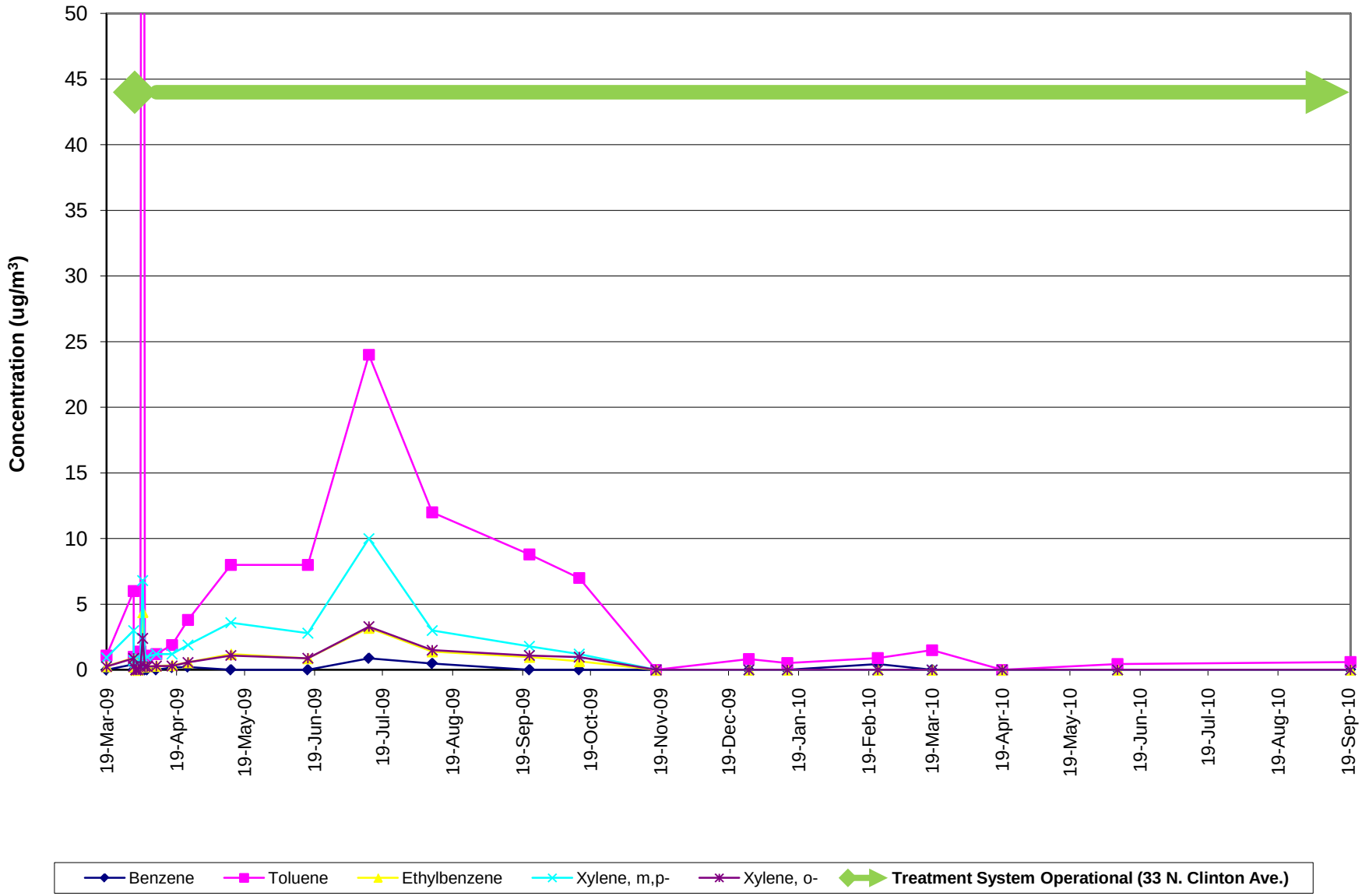
Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG-31 BTEX



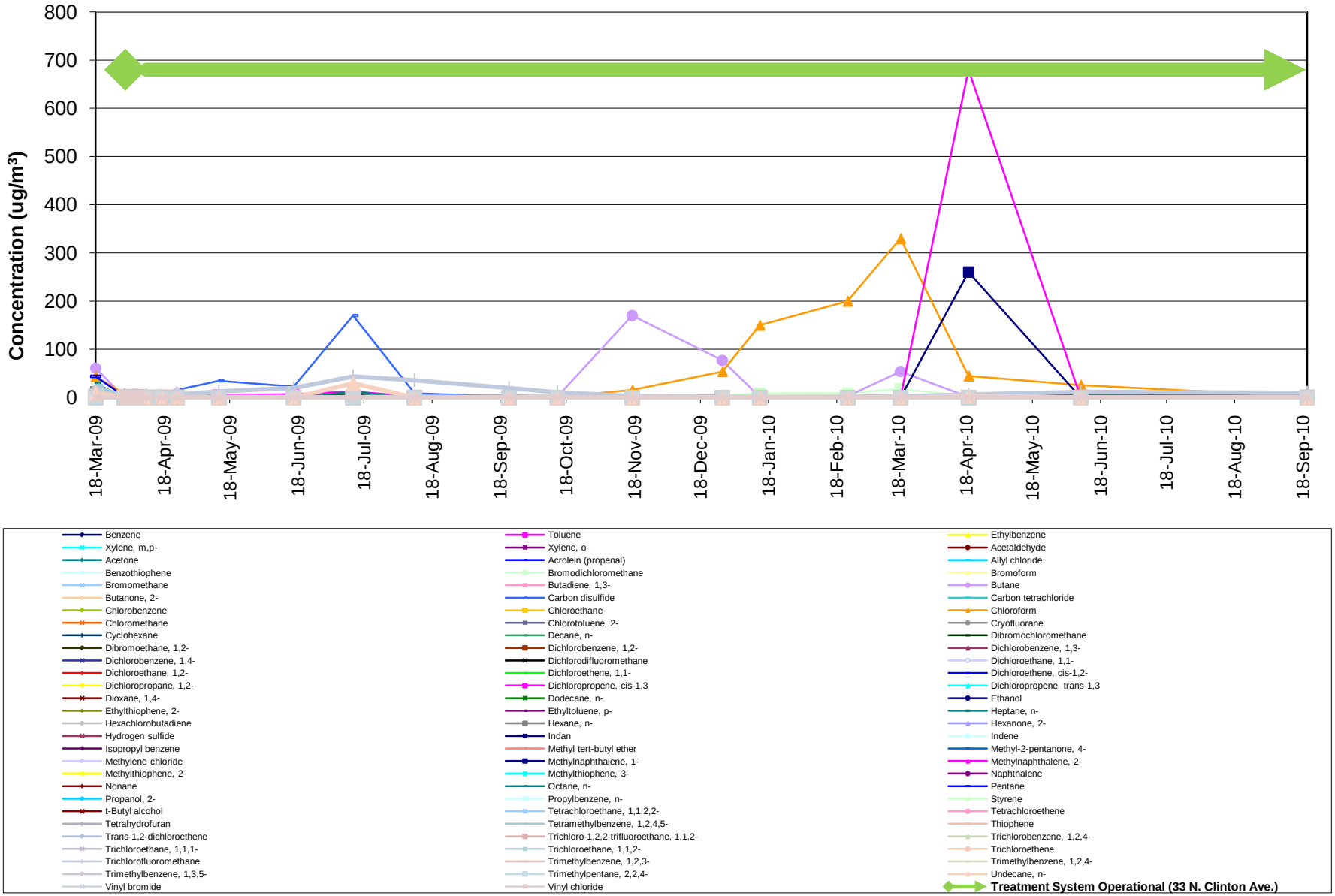
Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG-31 BTEX
(0-50 ug/m³)



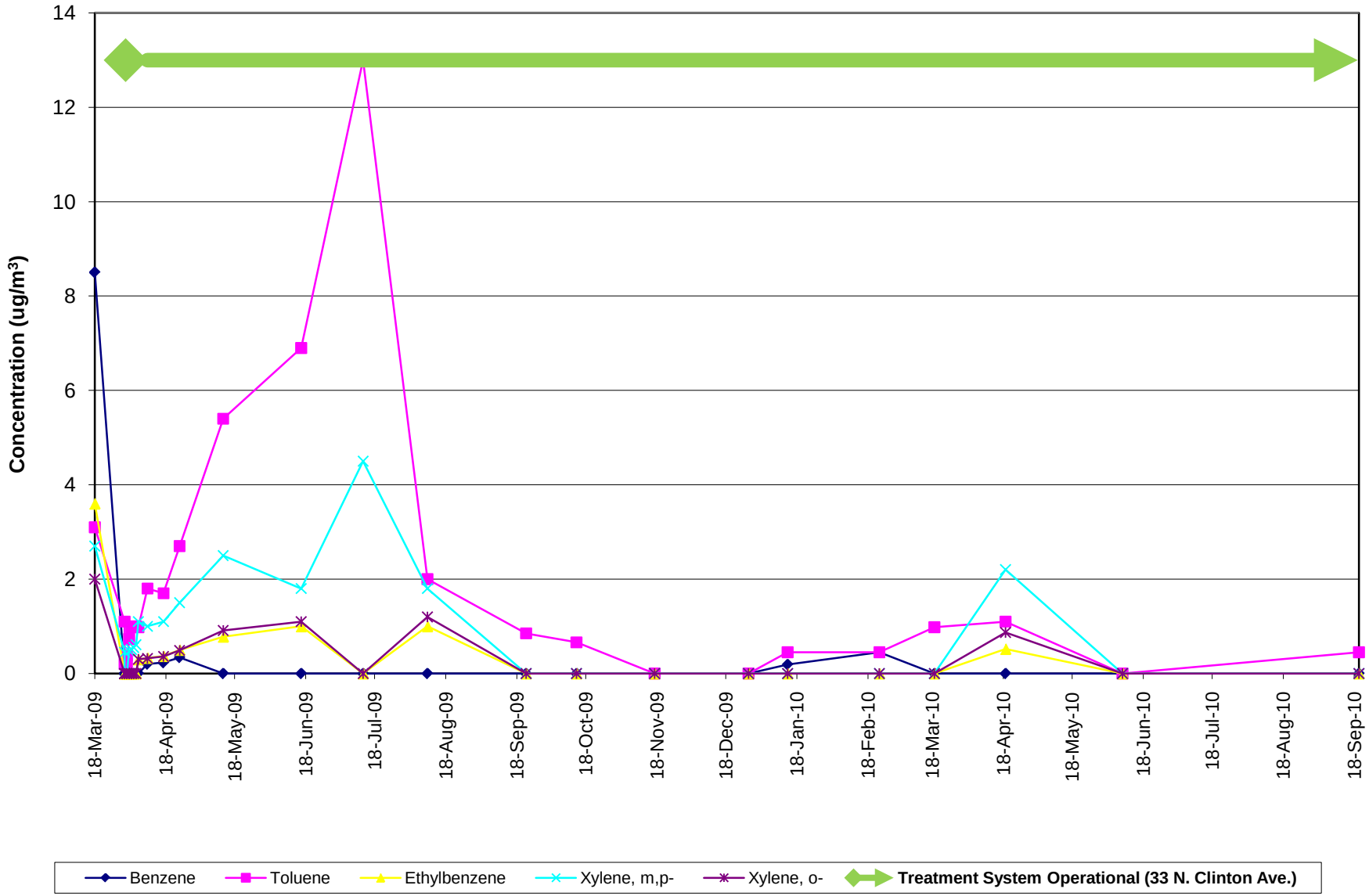
Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG-32



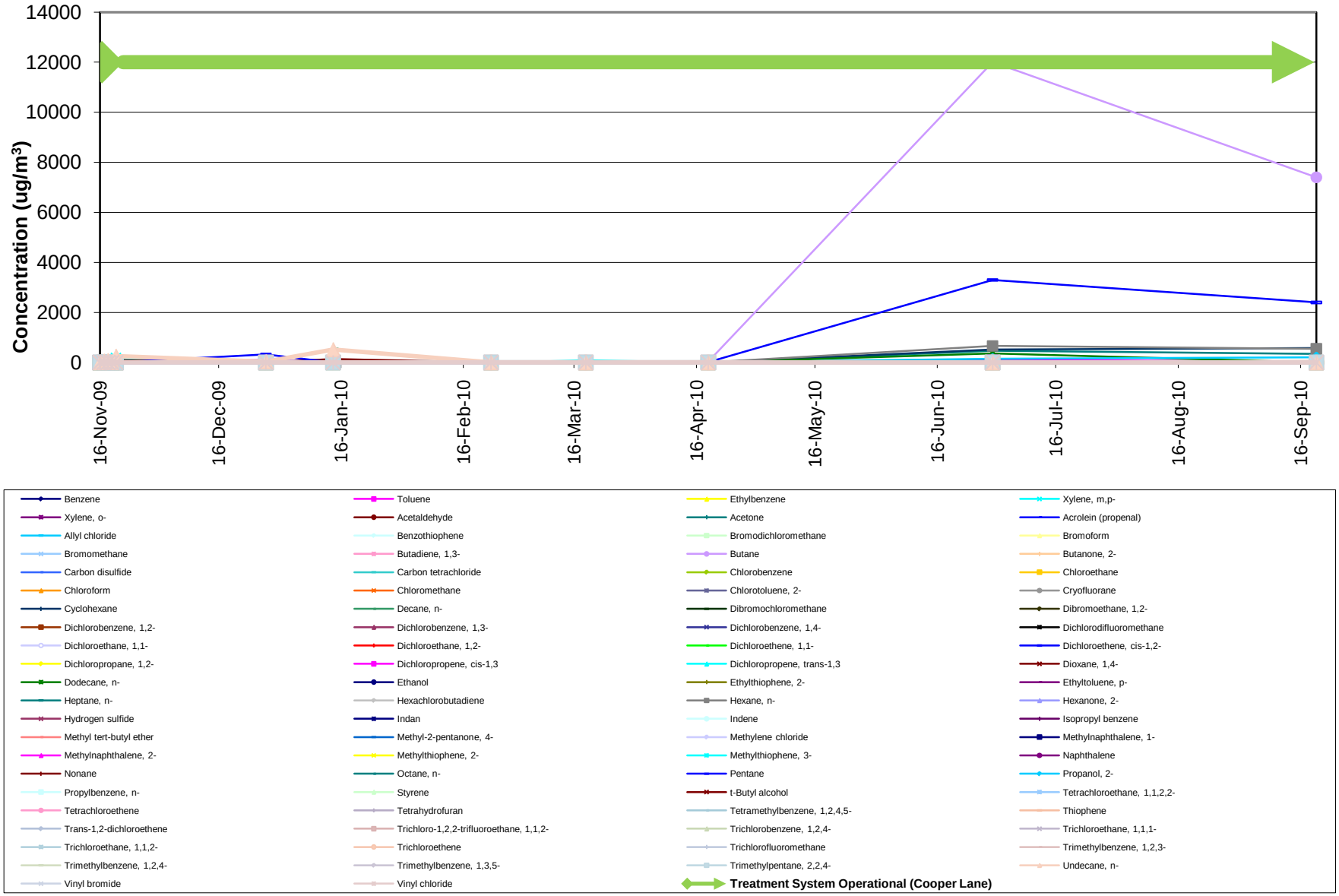
Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG-32 BTEX



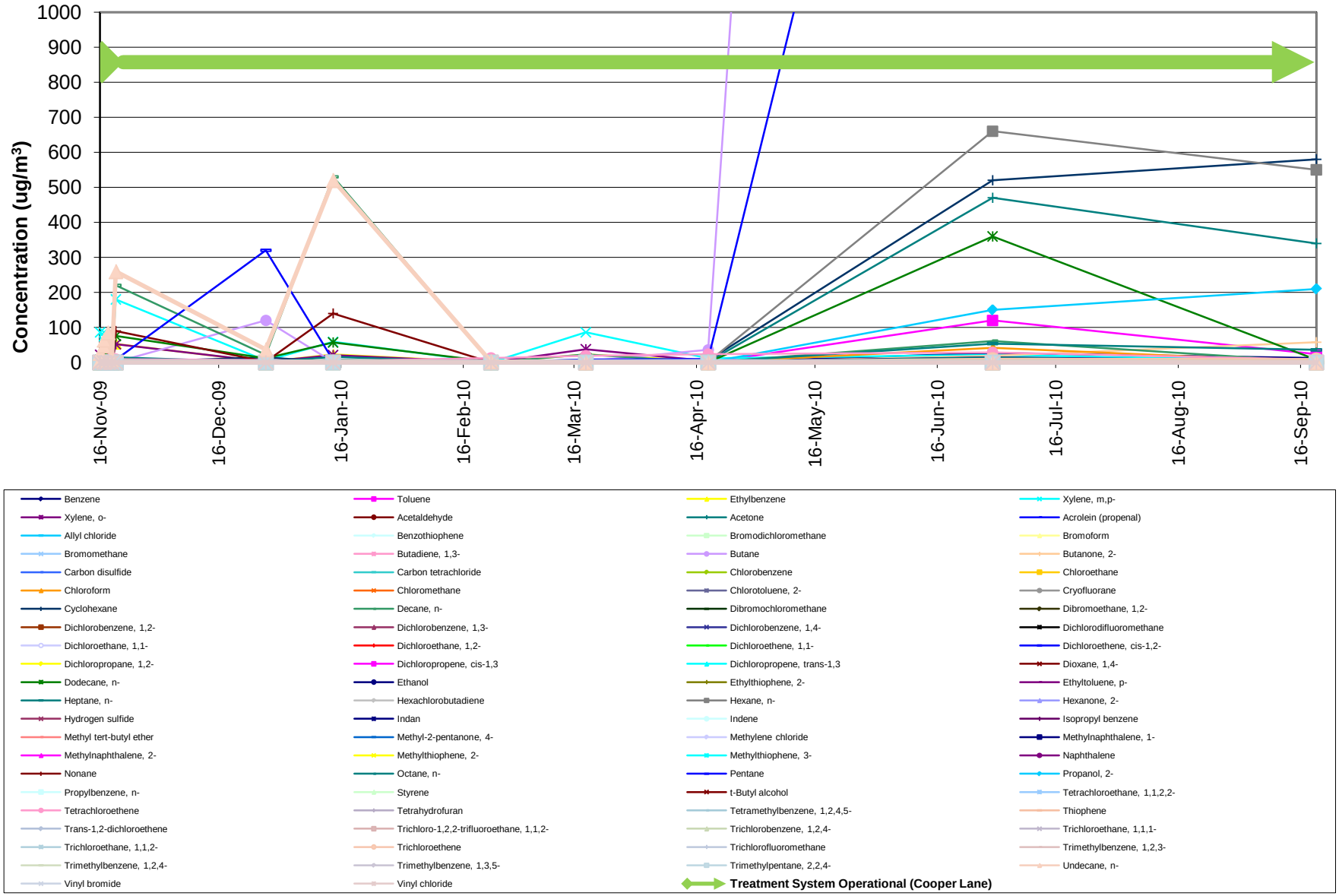
Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG-33



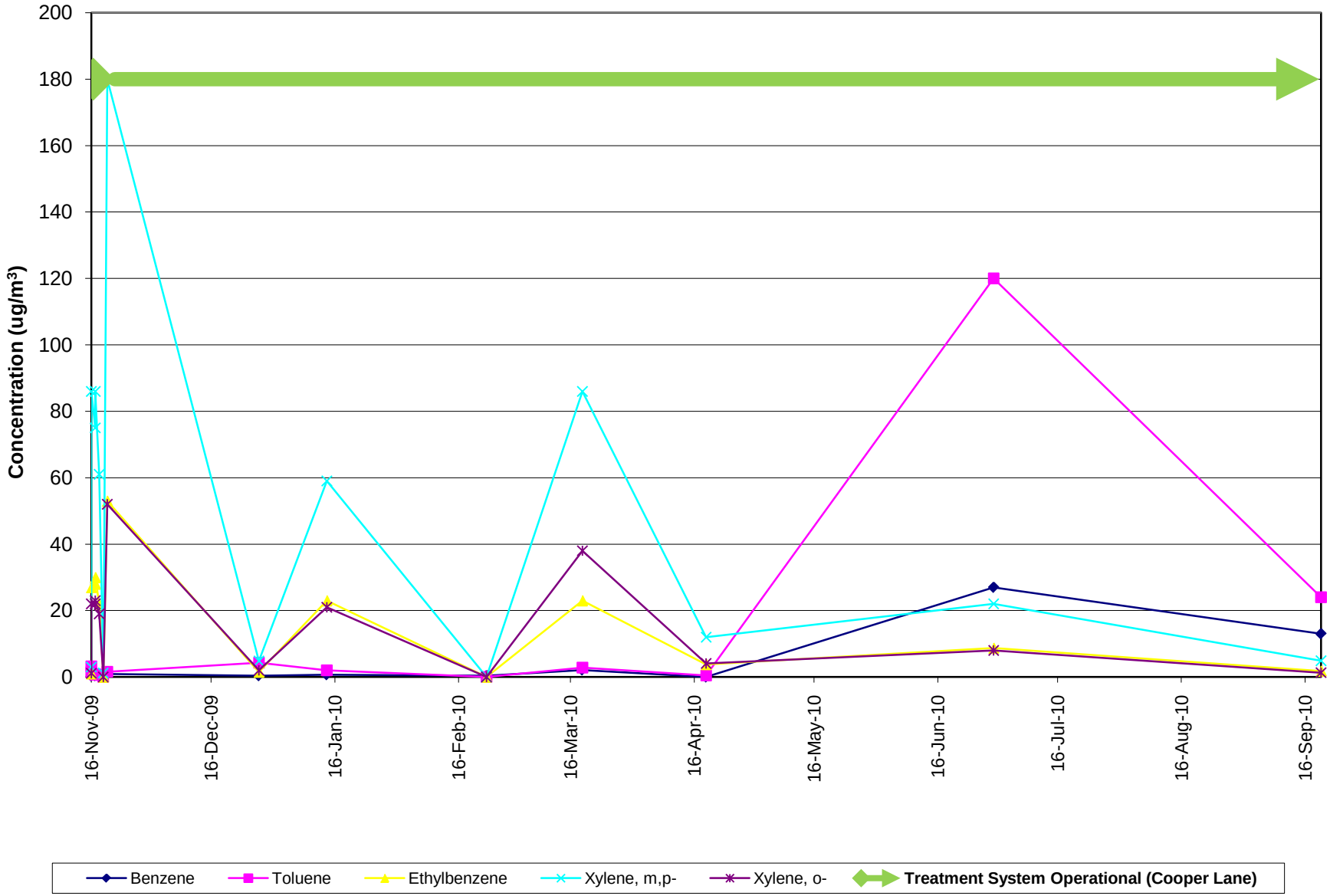
Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG-33
(0-1000 ug/m³)



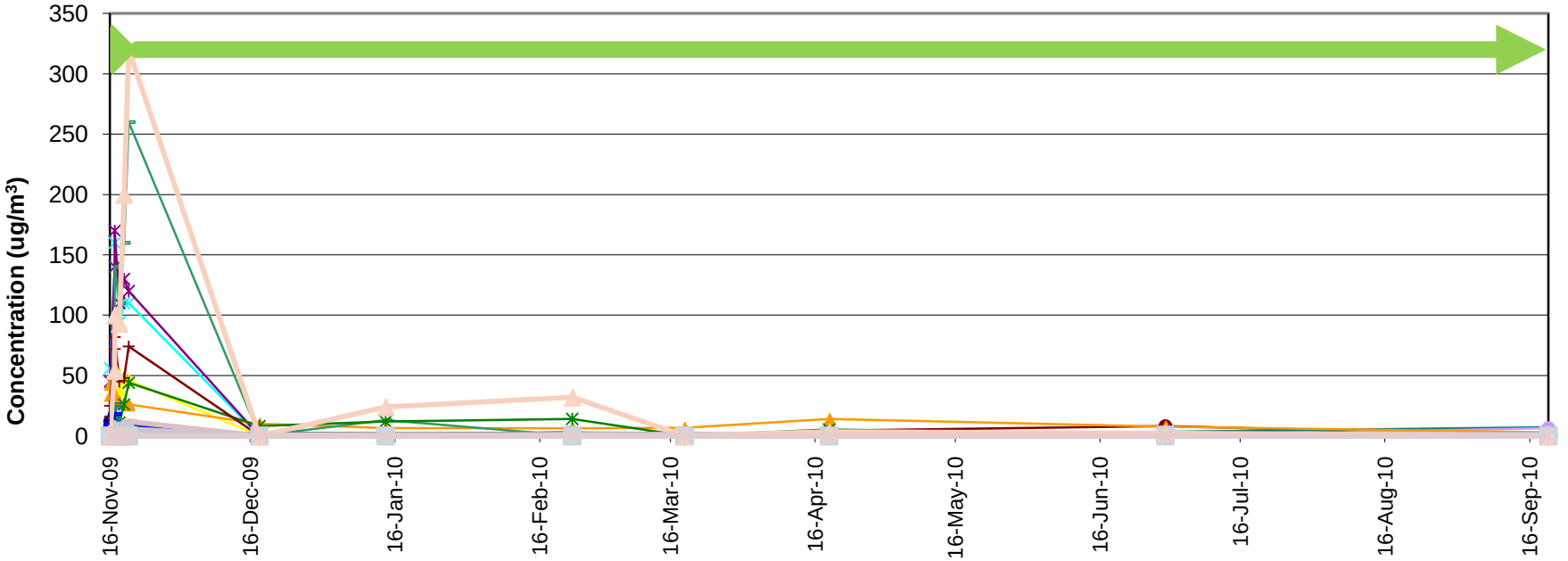
Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG-33 BTEX



Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

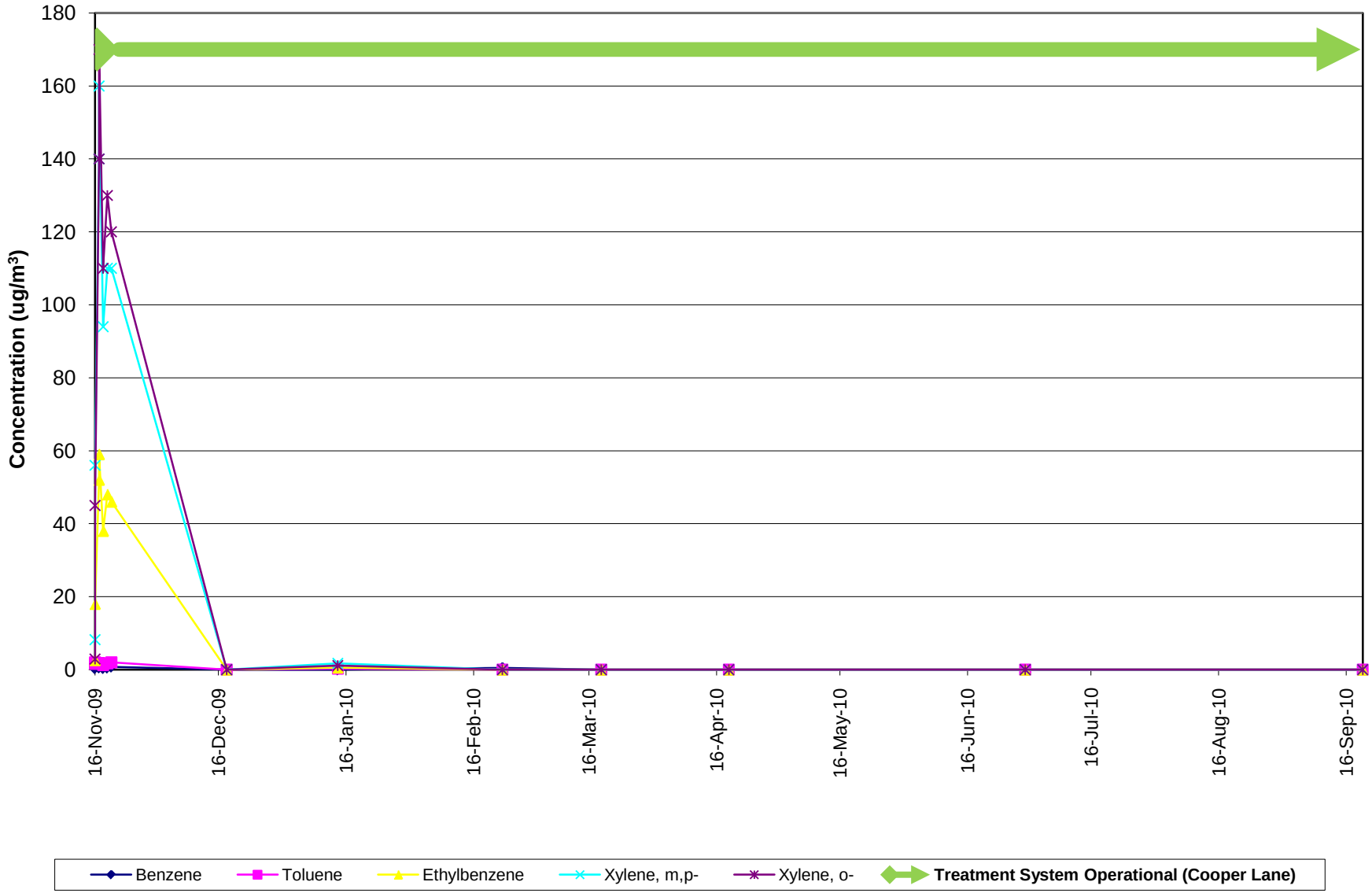
OU2SG-34



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
Treatment System Operational (Cooper Lane)

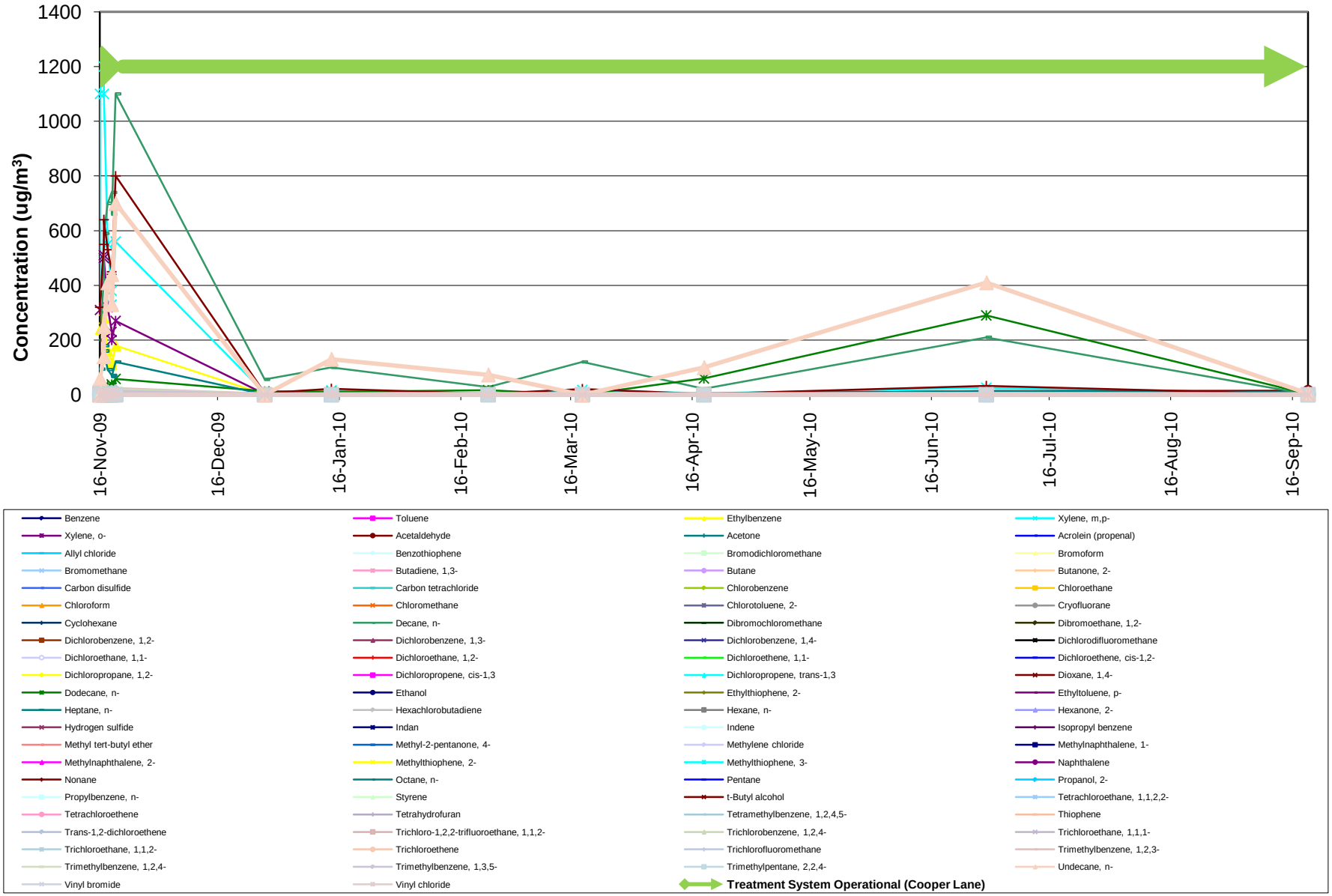
Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG-34 BTEX



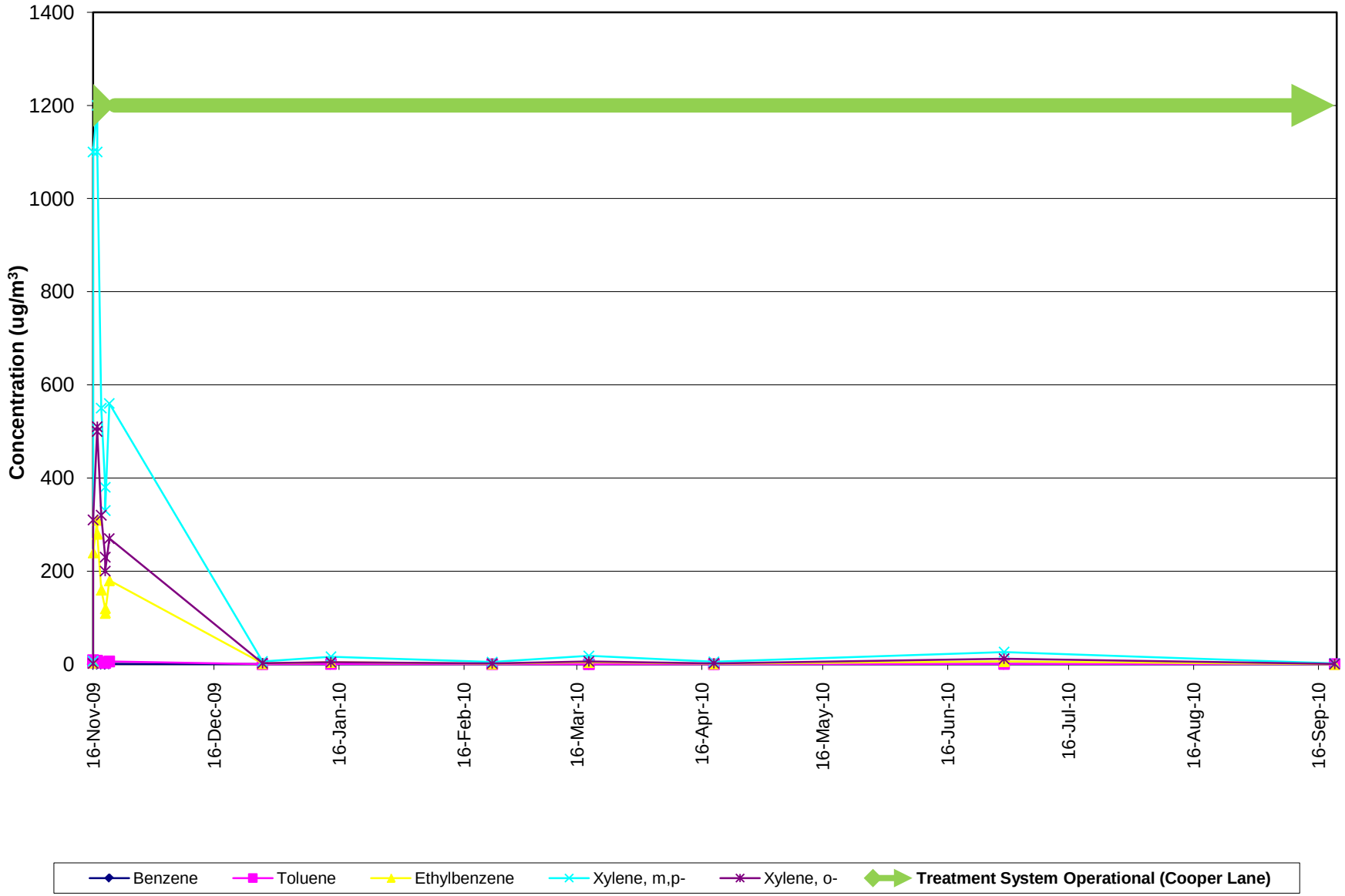
Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG-35



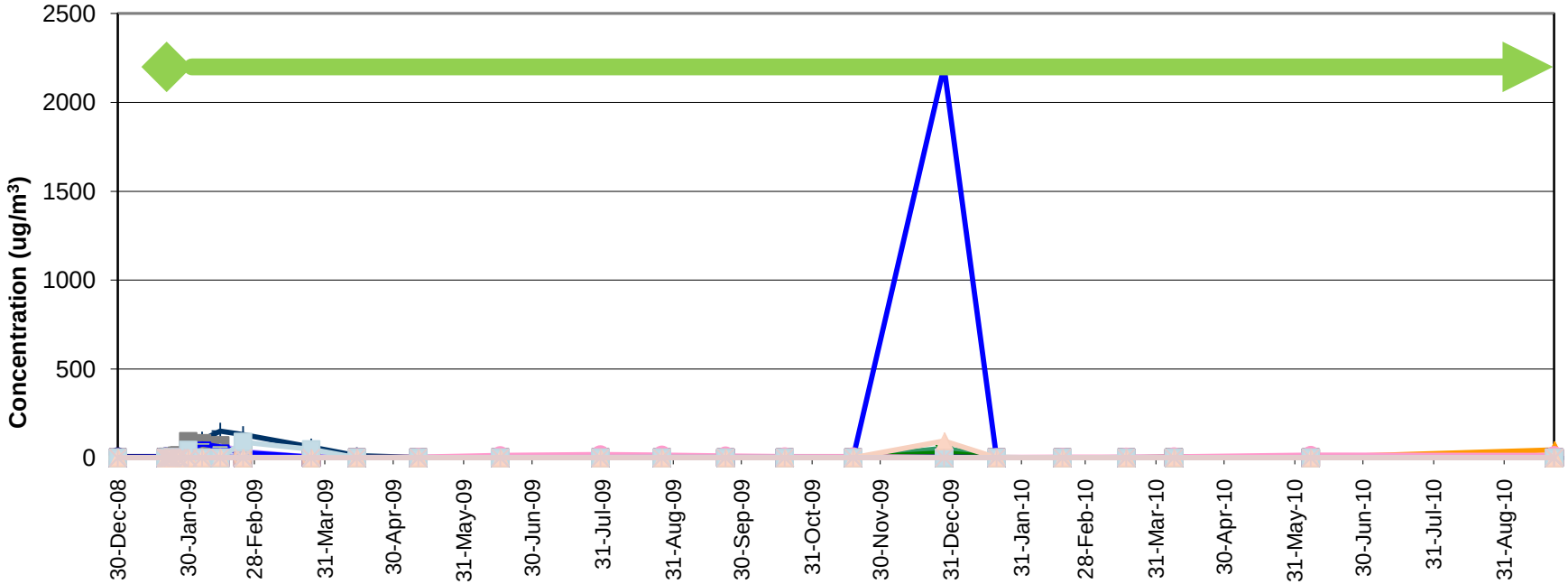
Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG-35 BTEX



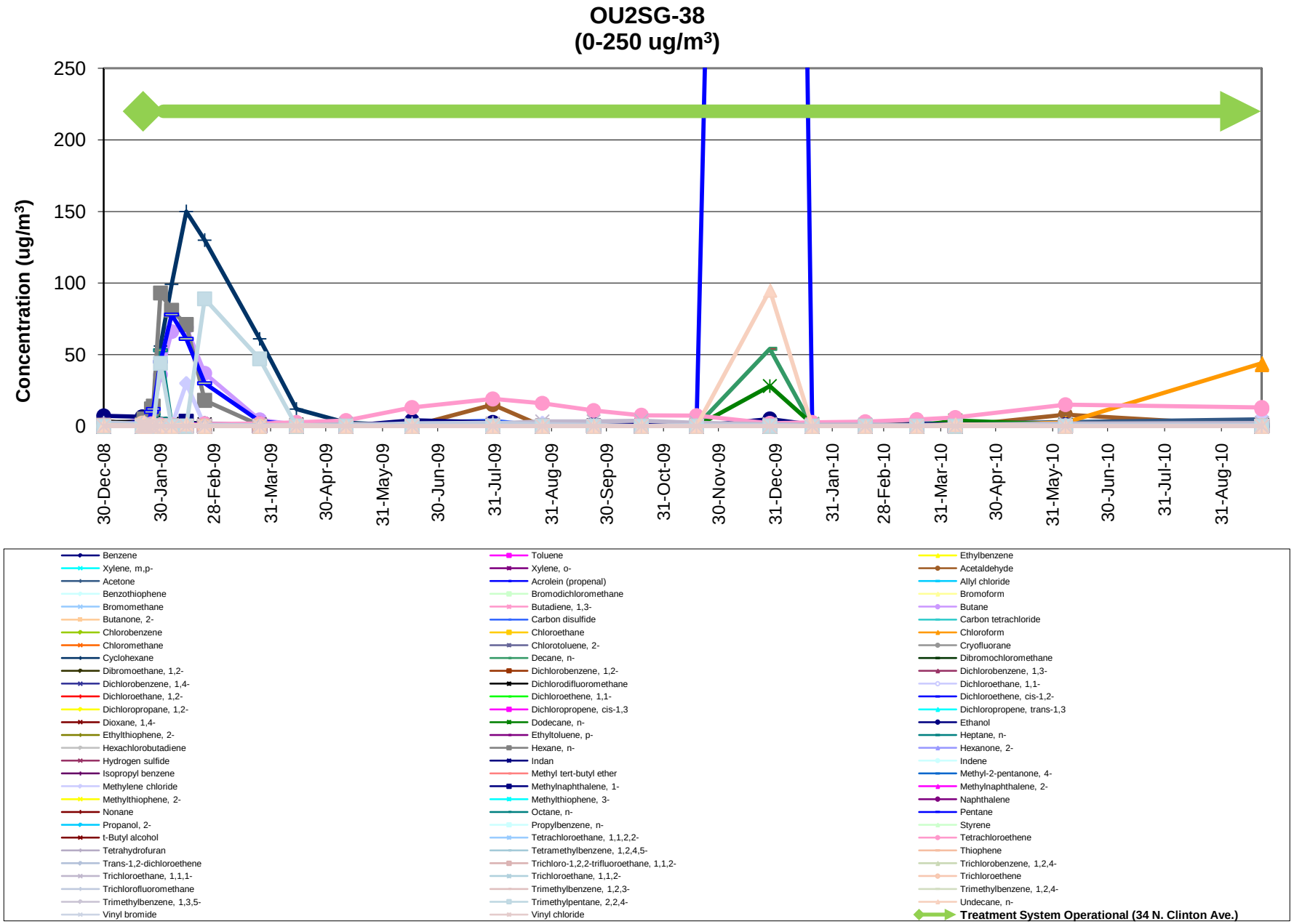
Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG-38



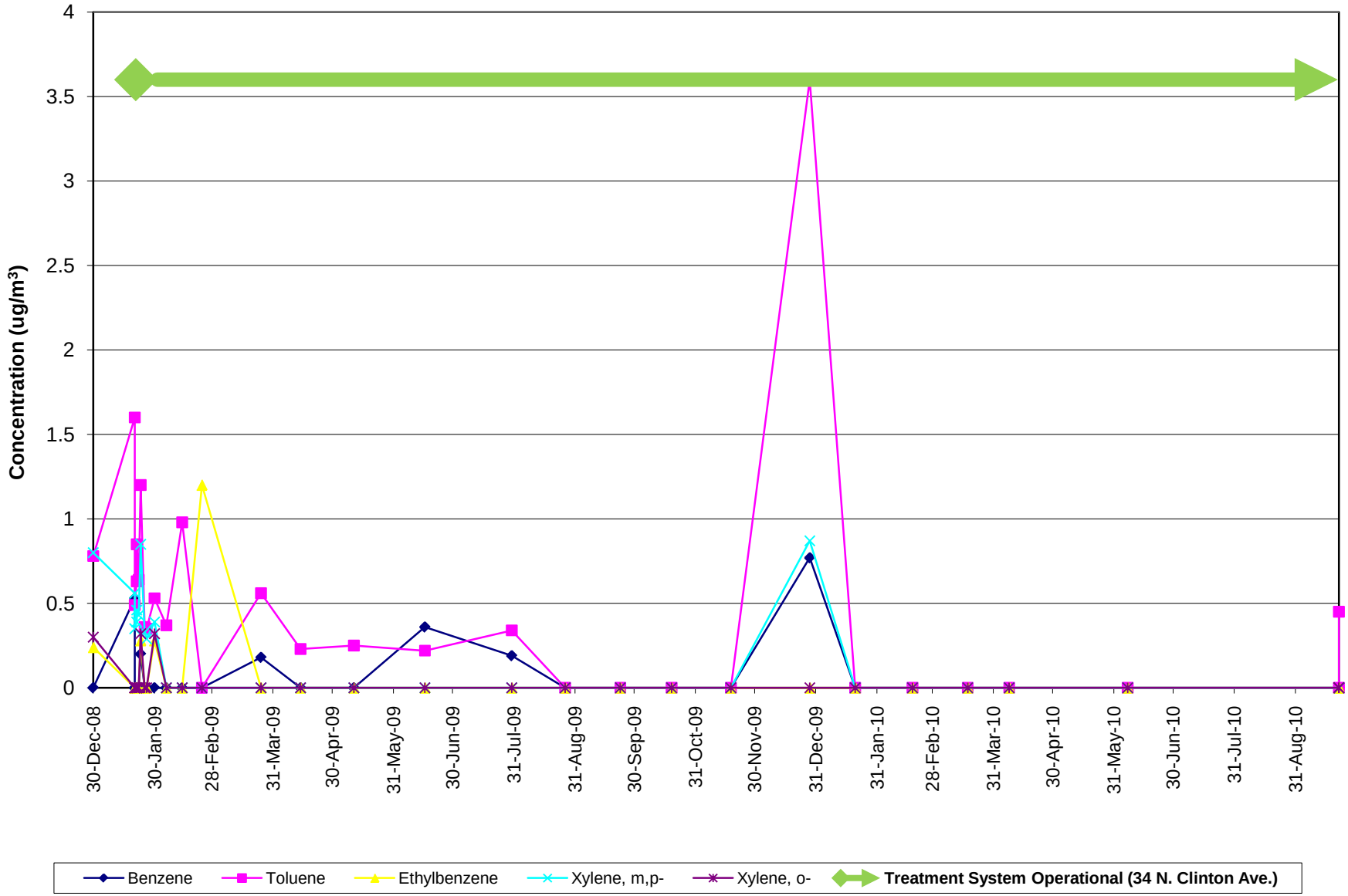
Benzene
Toluene
Ethylbenzene
Xylene, m,p-
Xylene, o-
Acetaldehyde
Acetone
Acrolein (propenal)
Allyl chloride
Benzothiophene
Bromodichloromethane
Bromoform
Bromomethane
Butadiene, 1,3-
Butane
Butanone, 2-
Carbon disulfide
Carbon tetrachloride
Chlorobenzene
Chloroethane
Chloroform
Chloromethane
Chlorotoluene, 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
Treatment System Operational (34 N. Clinton Ave.)

Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site



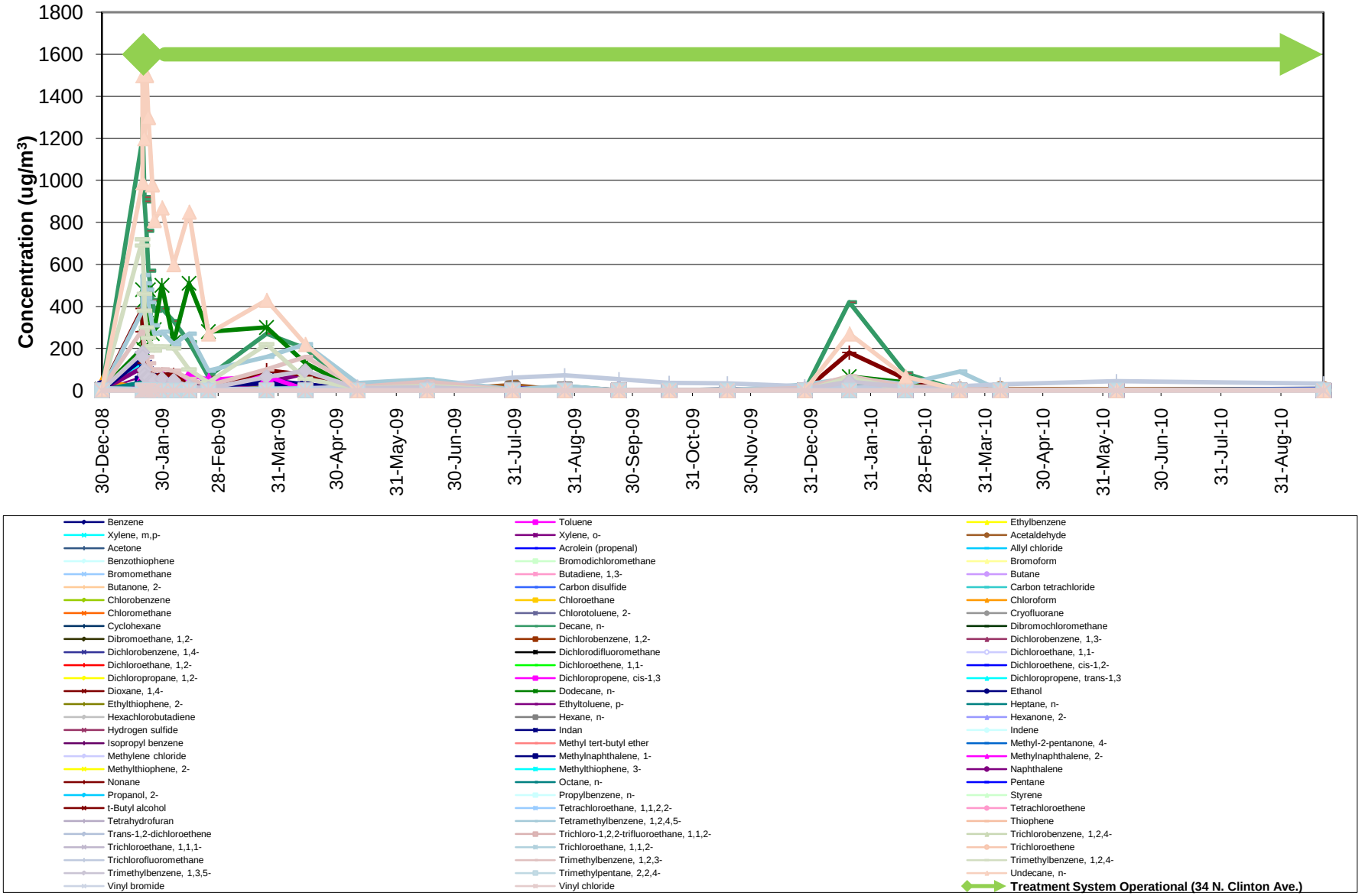
Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG-38 BTEX



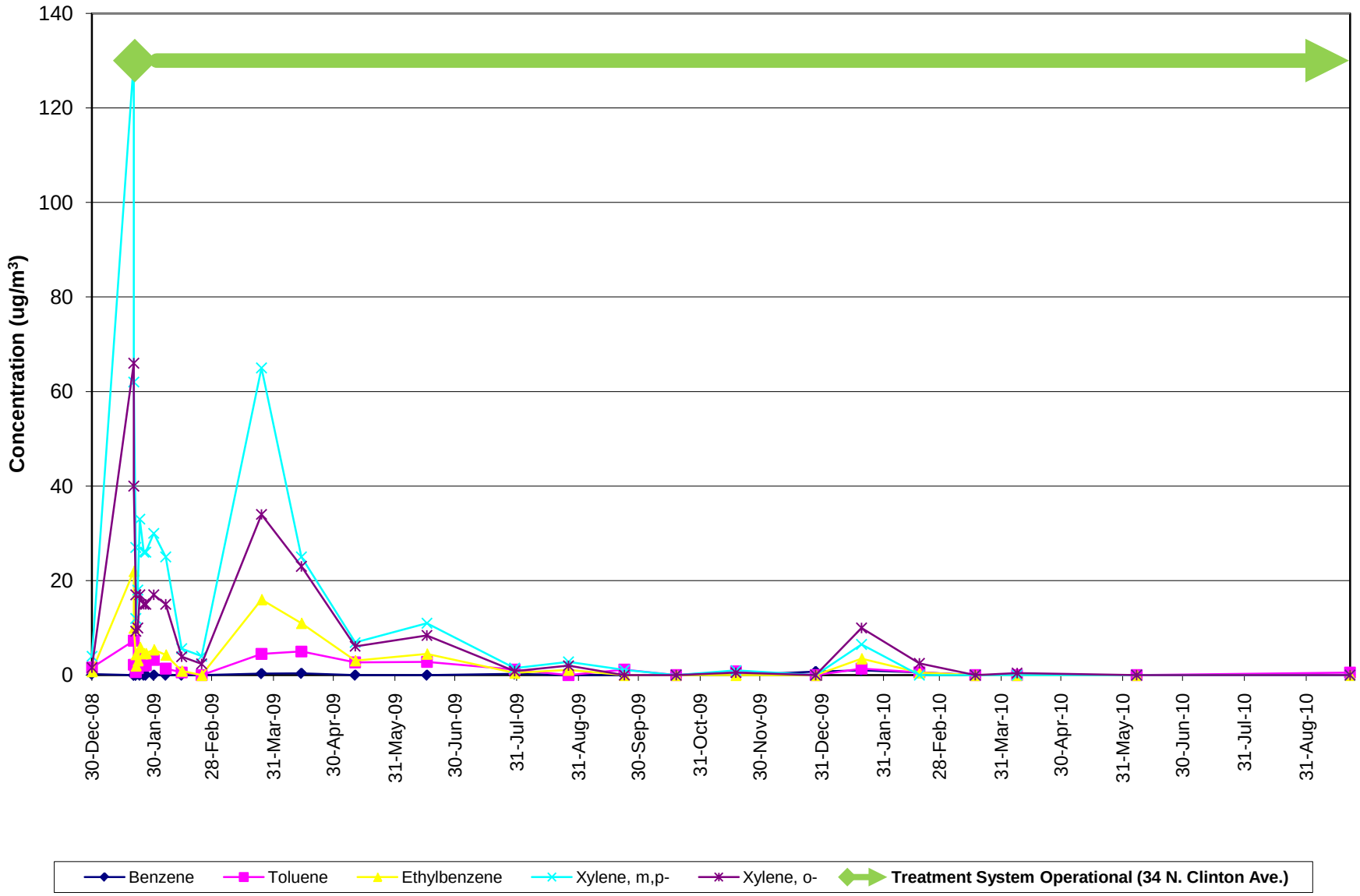
Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG-39



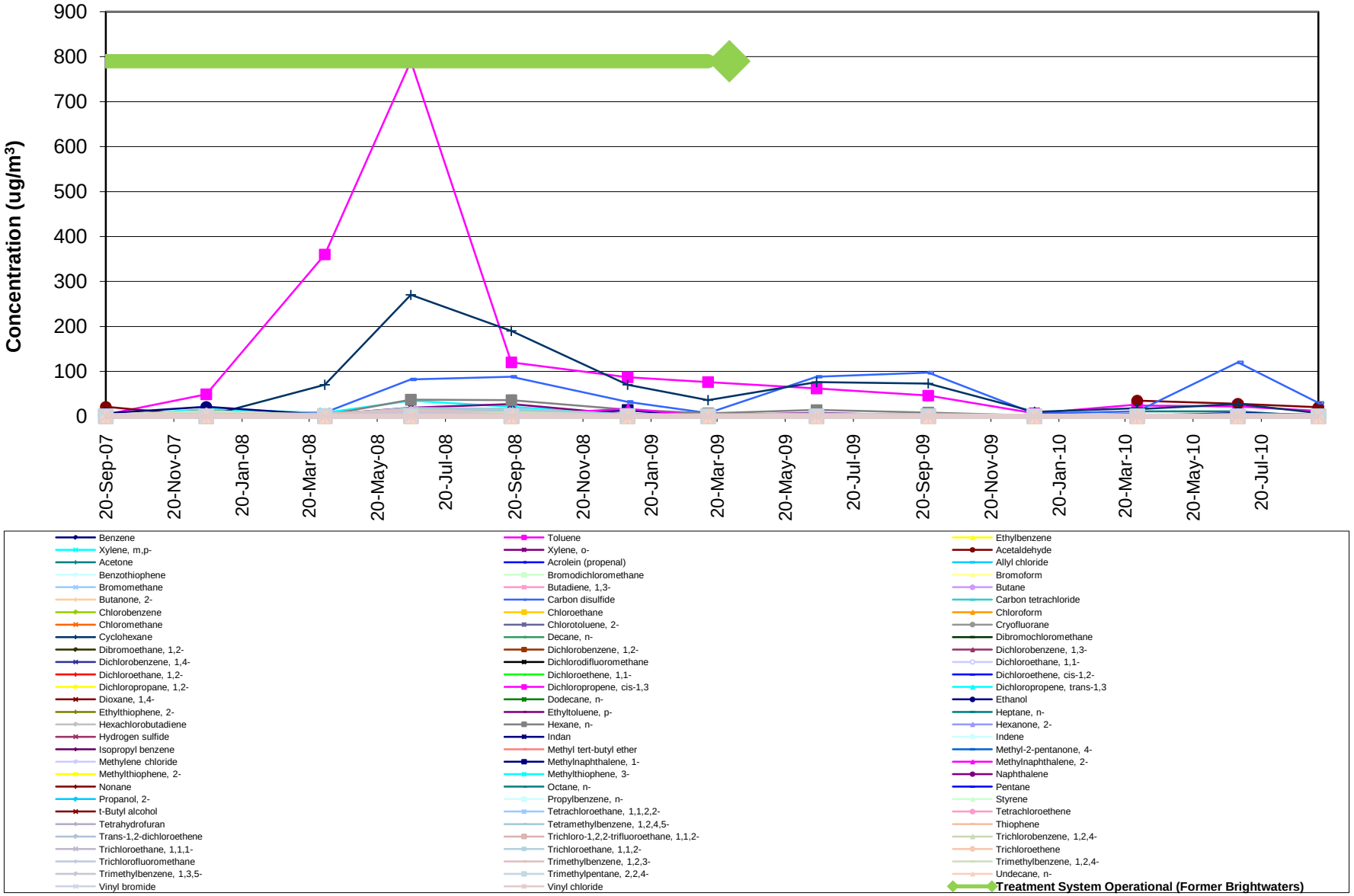
Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG-39 BTEX



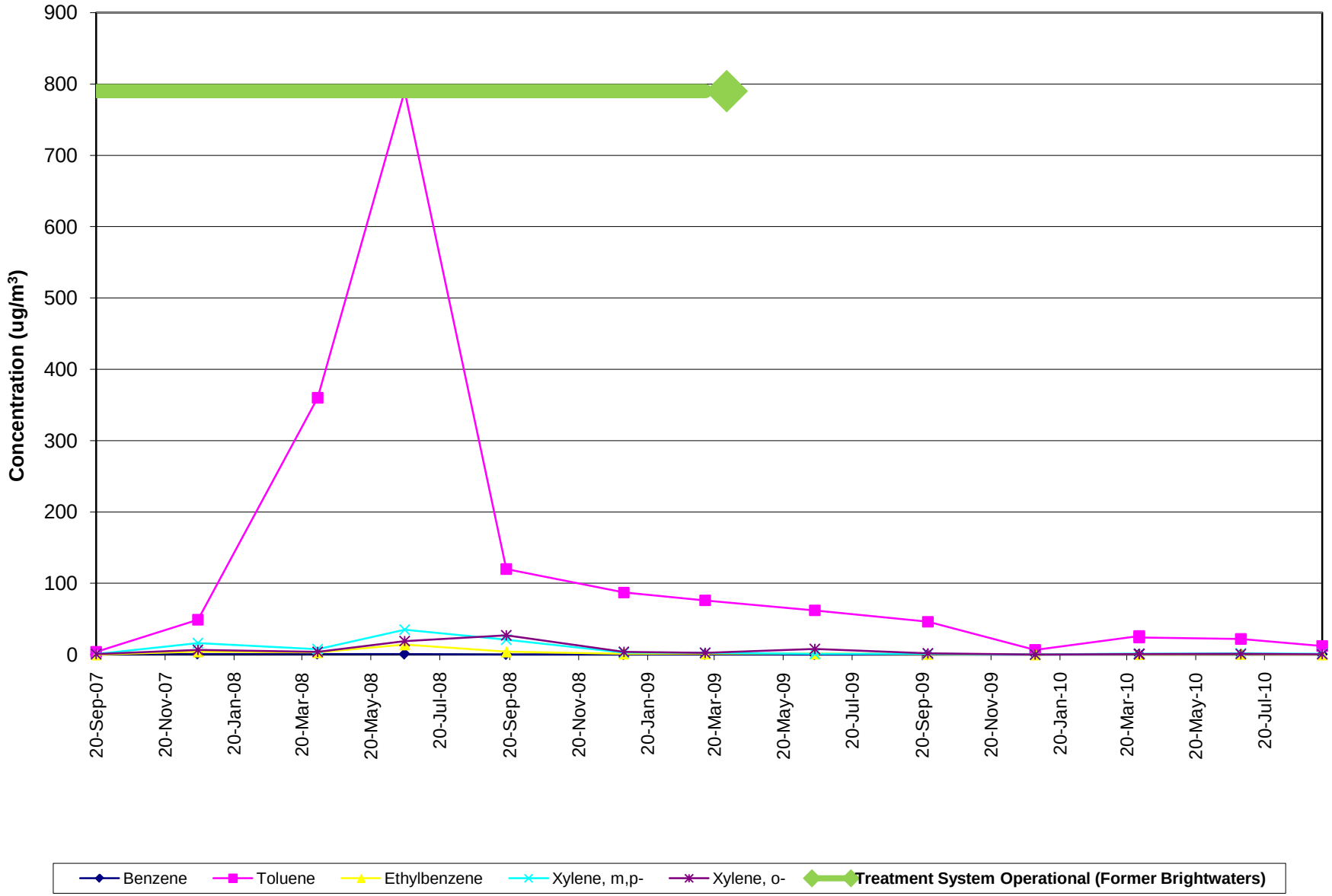
Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU3SG-01



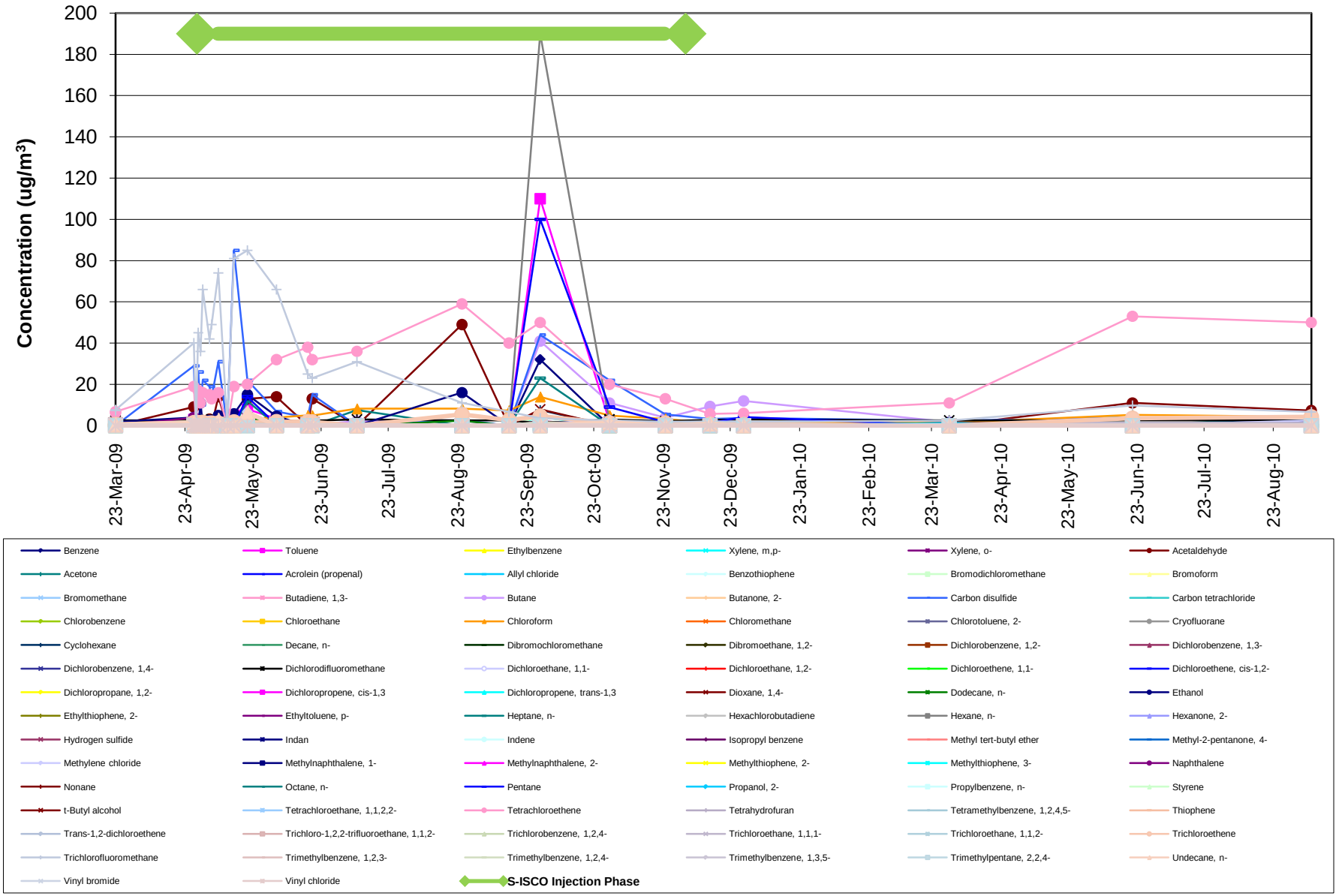
Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU3SG-01 BTEX



Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU4SV-1



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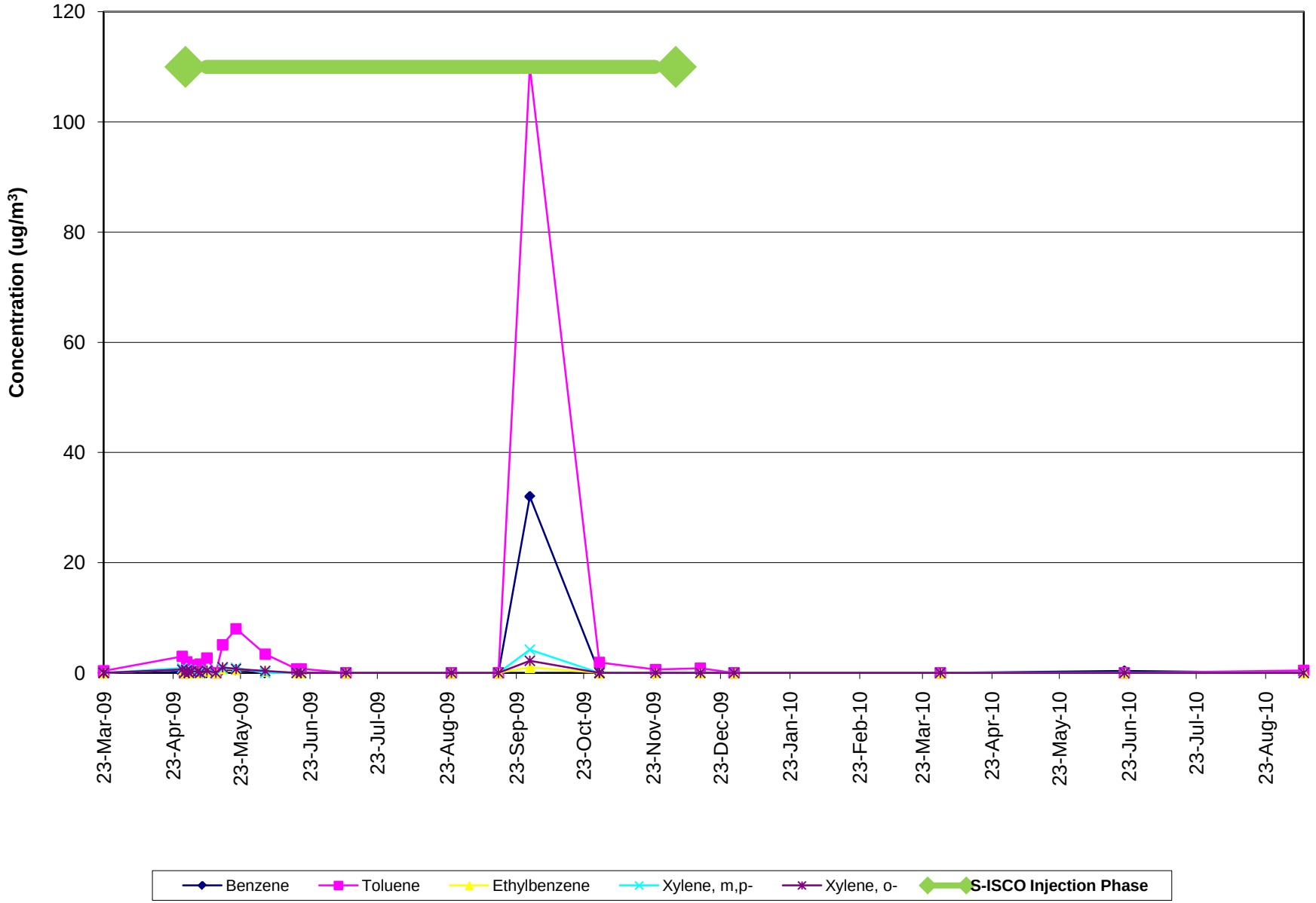
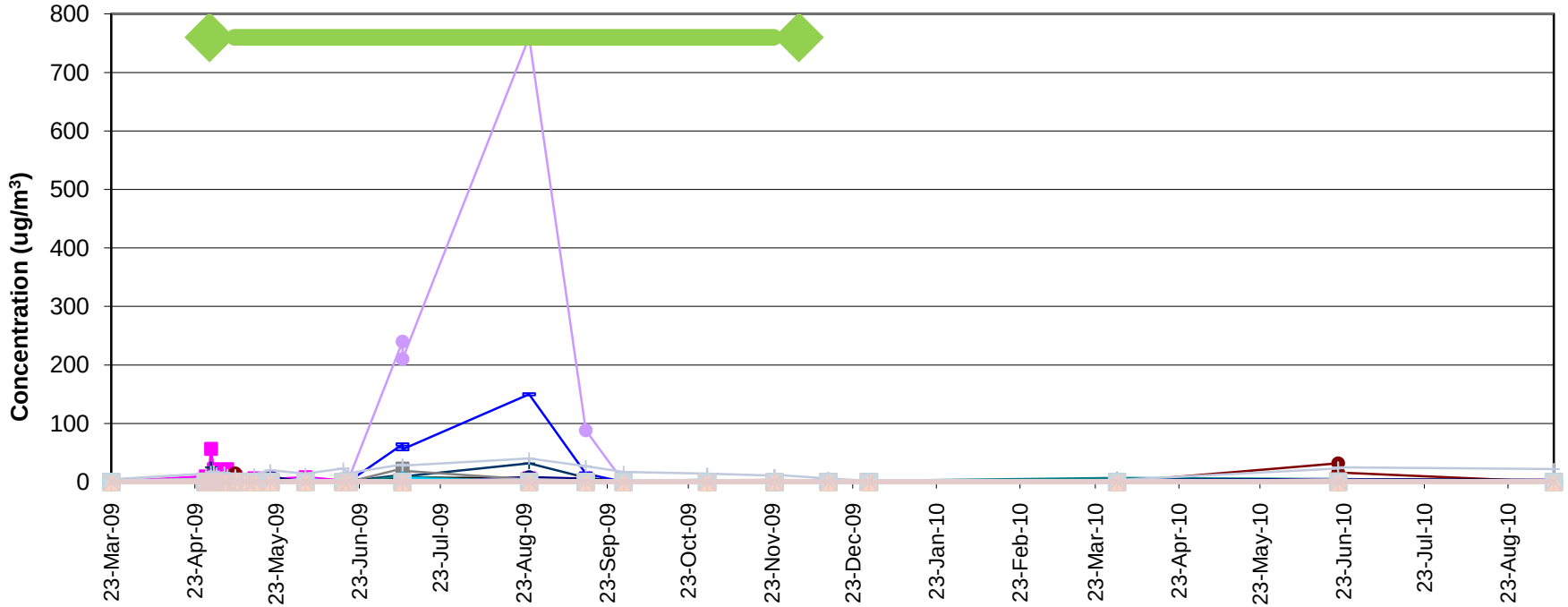
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU4SV-1 BTEX



Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

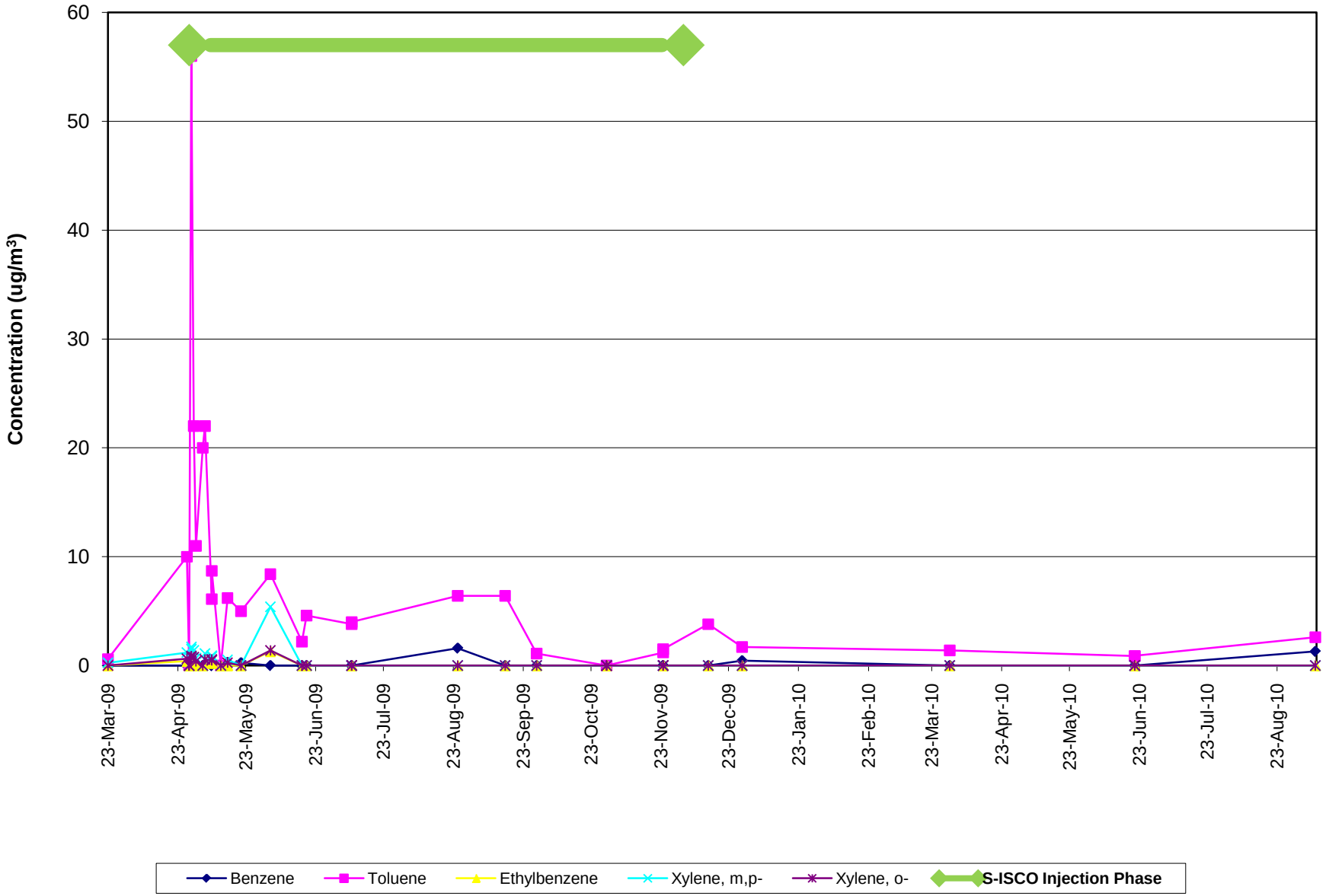
OU4SV-2



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, **S-ISCO Injection Phase**

Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU4SV-2 BTEX



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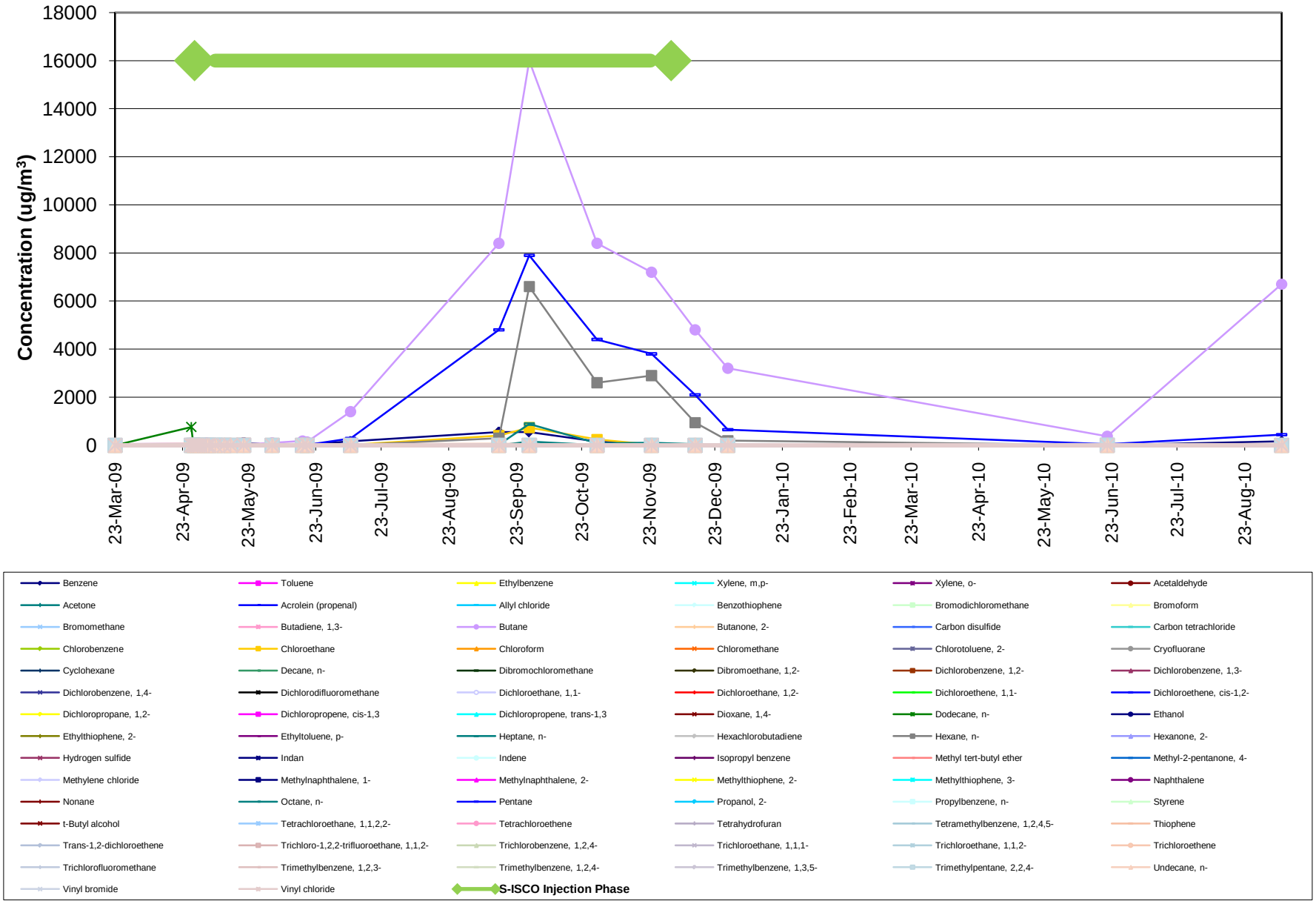
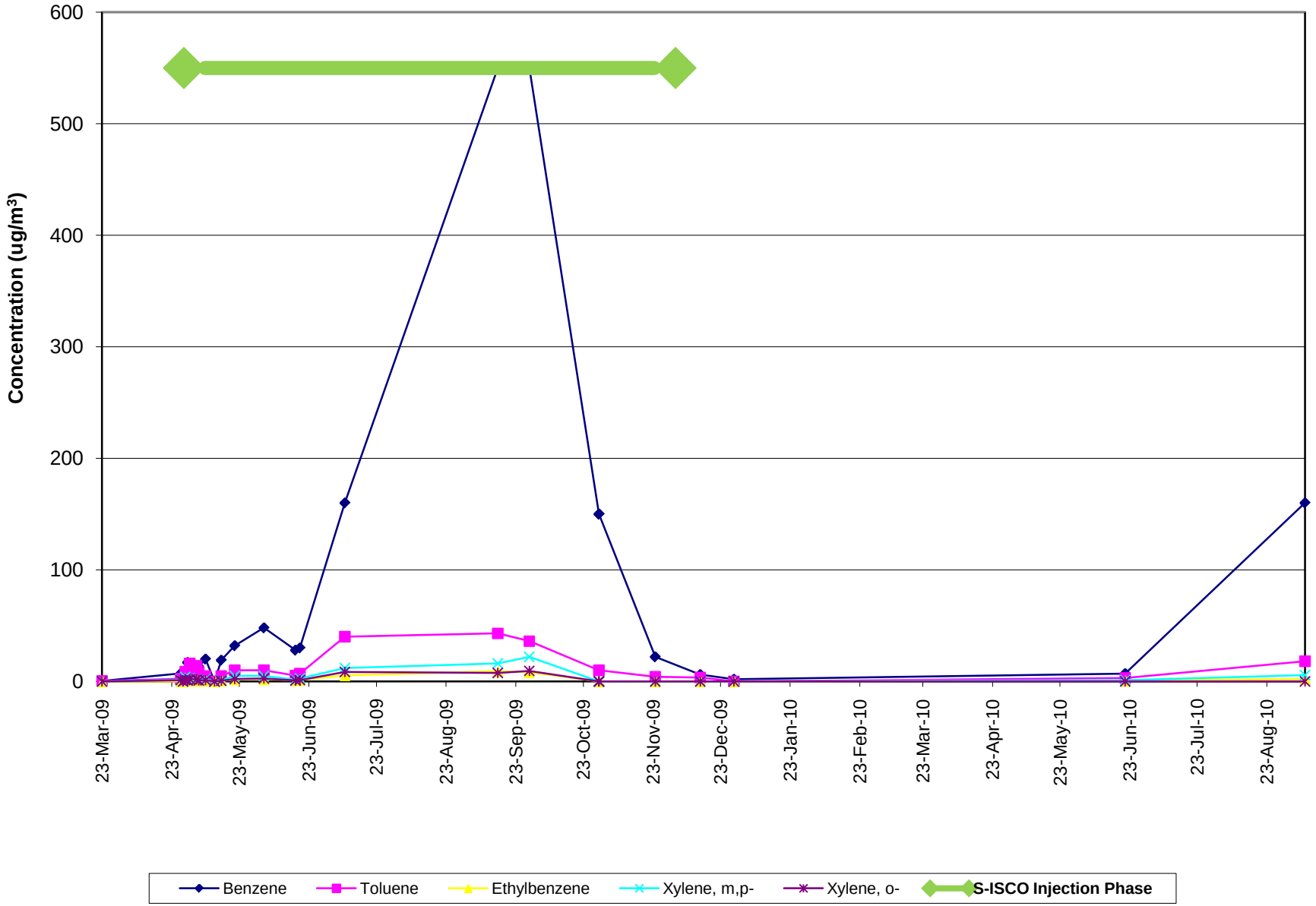
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU4SV-3



Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU4SV-3 BTEX



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Soil Vapor Analytical Results
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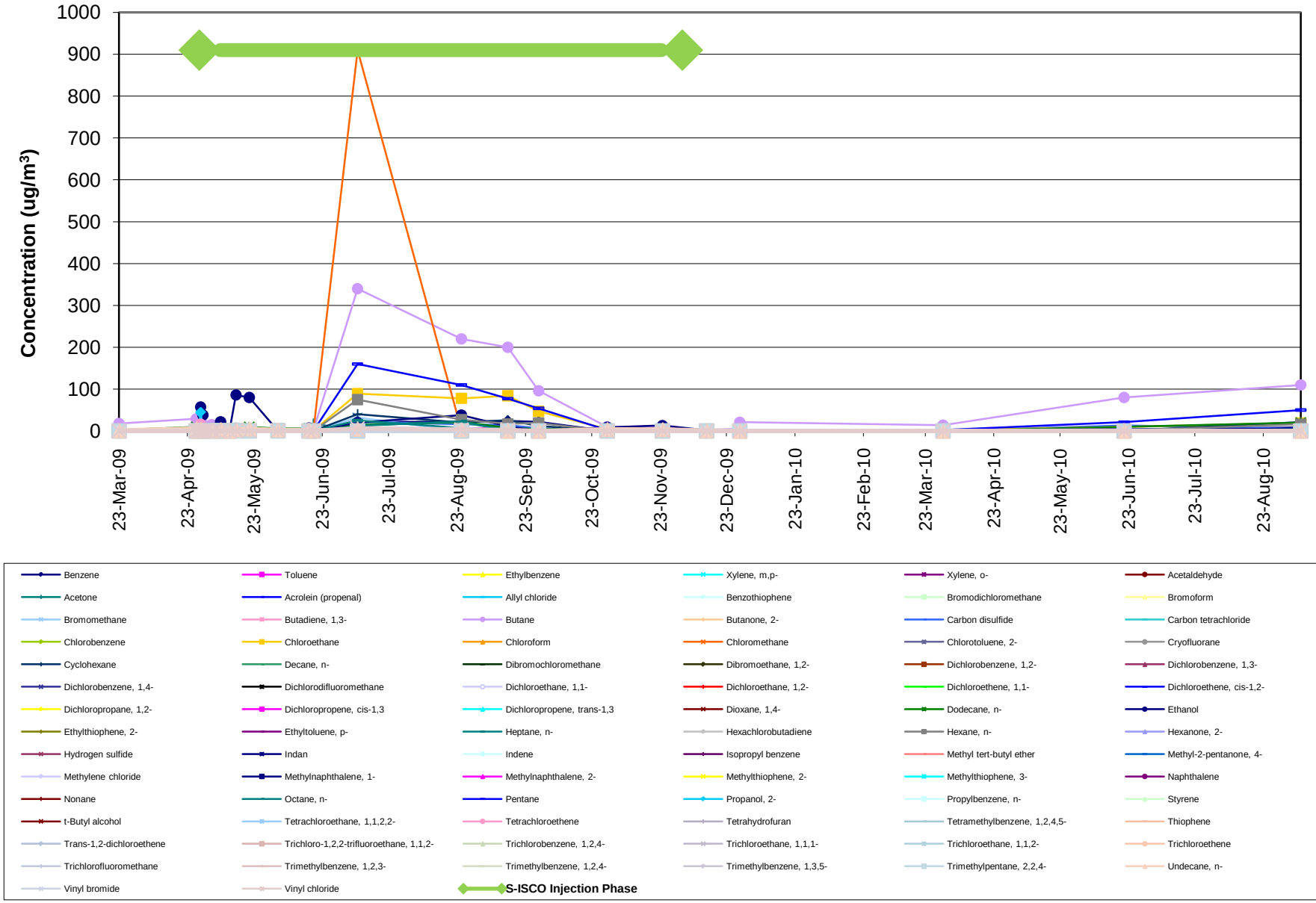
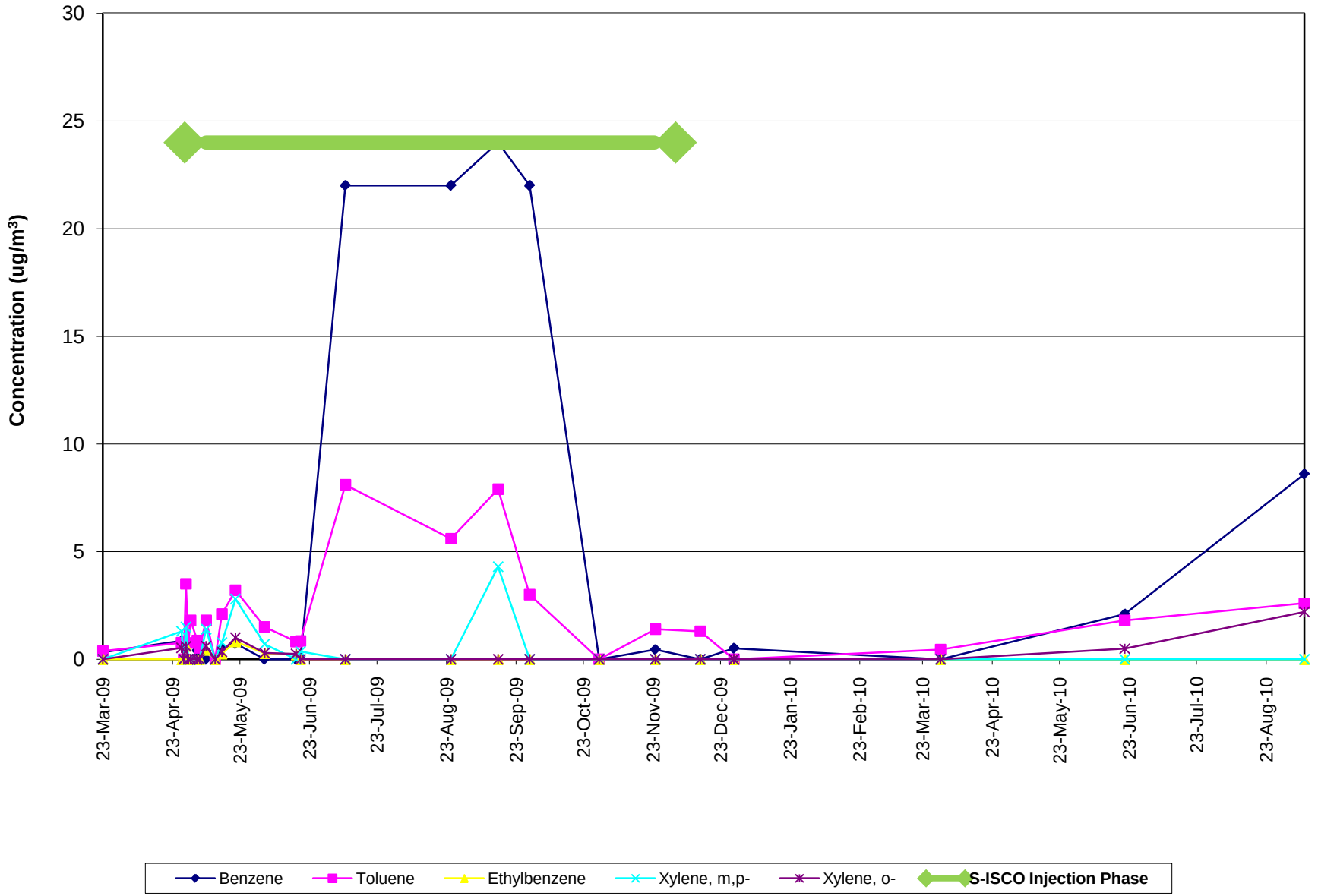
OU4SV-4



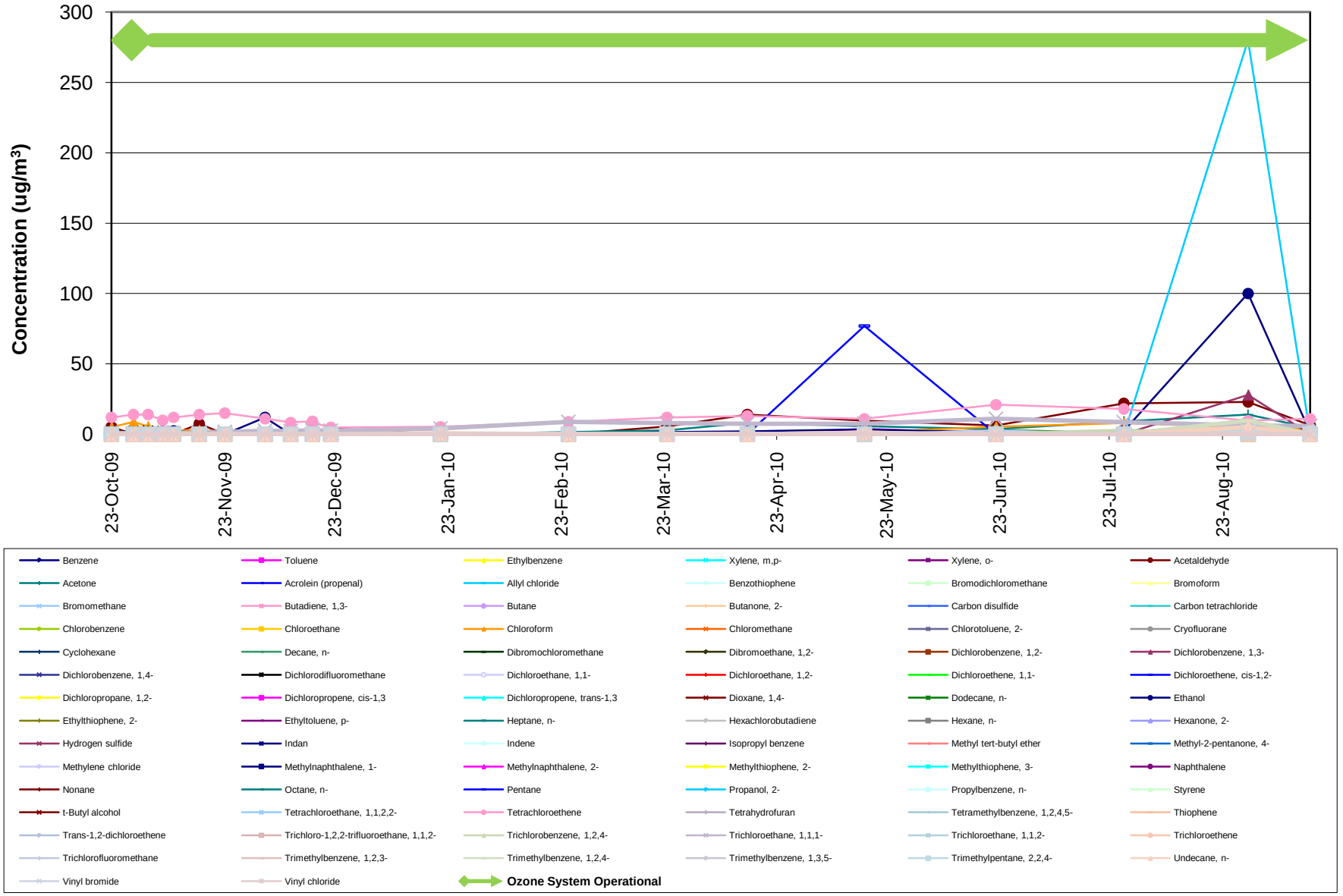
Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU4SV-4 BTEX



Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OZSV-01



Appendix H
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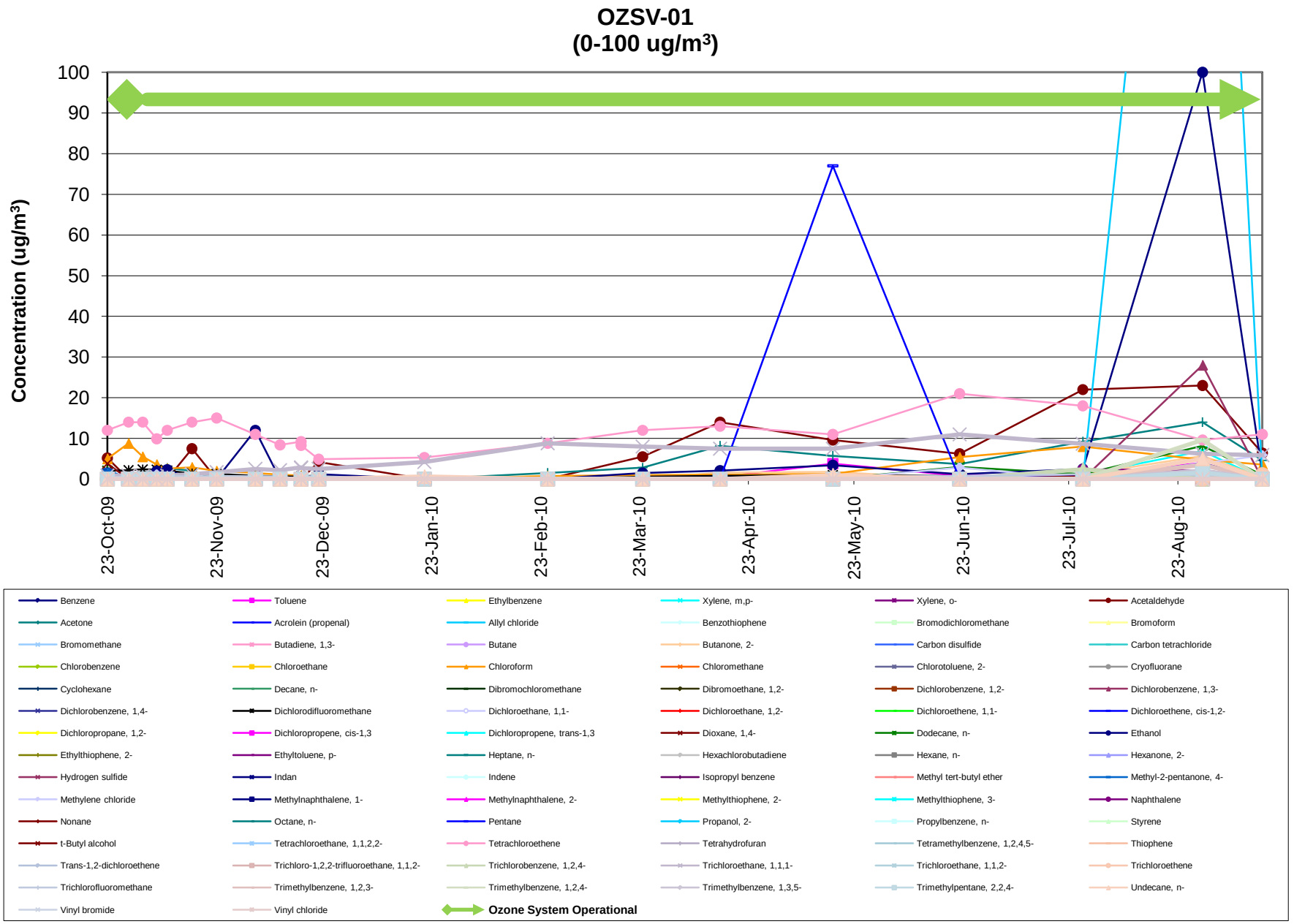
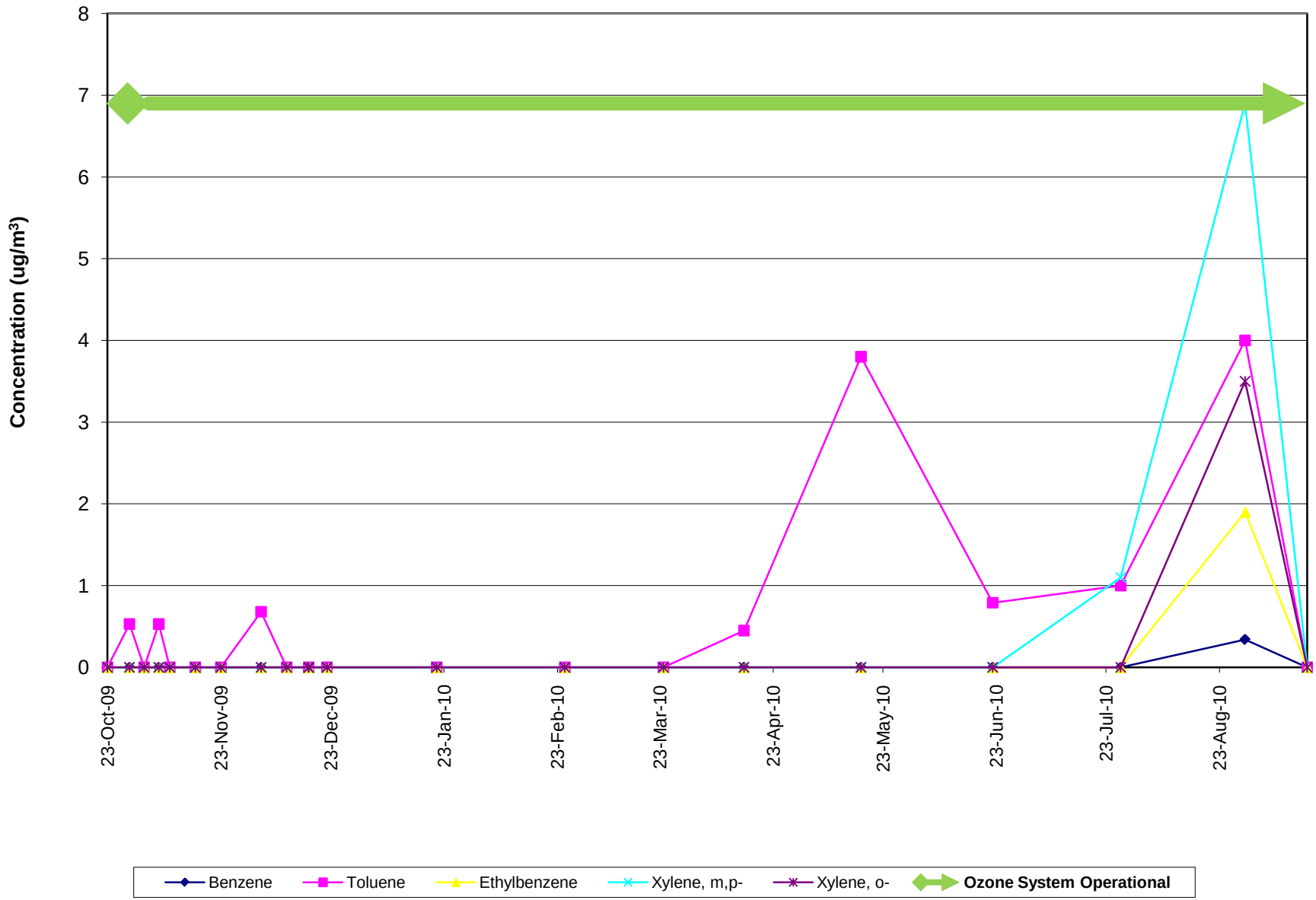


Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OZSV-01 BTEX



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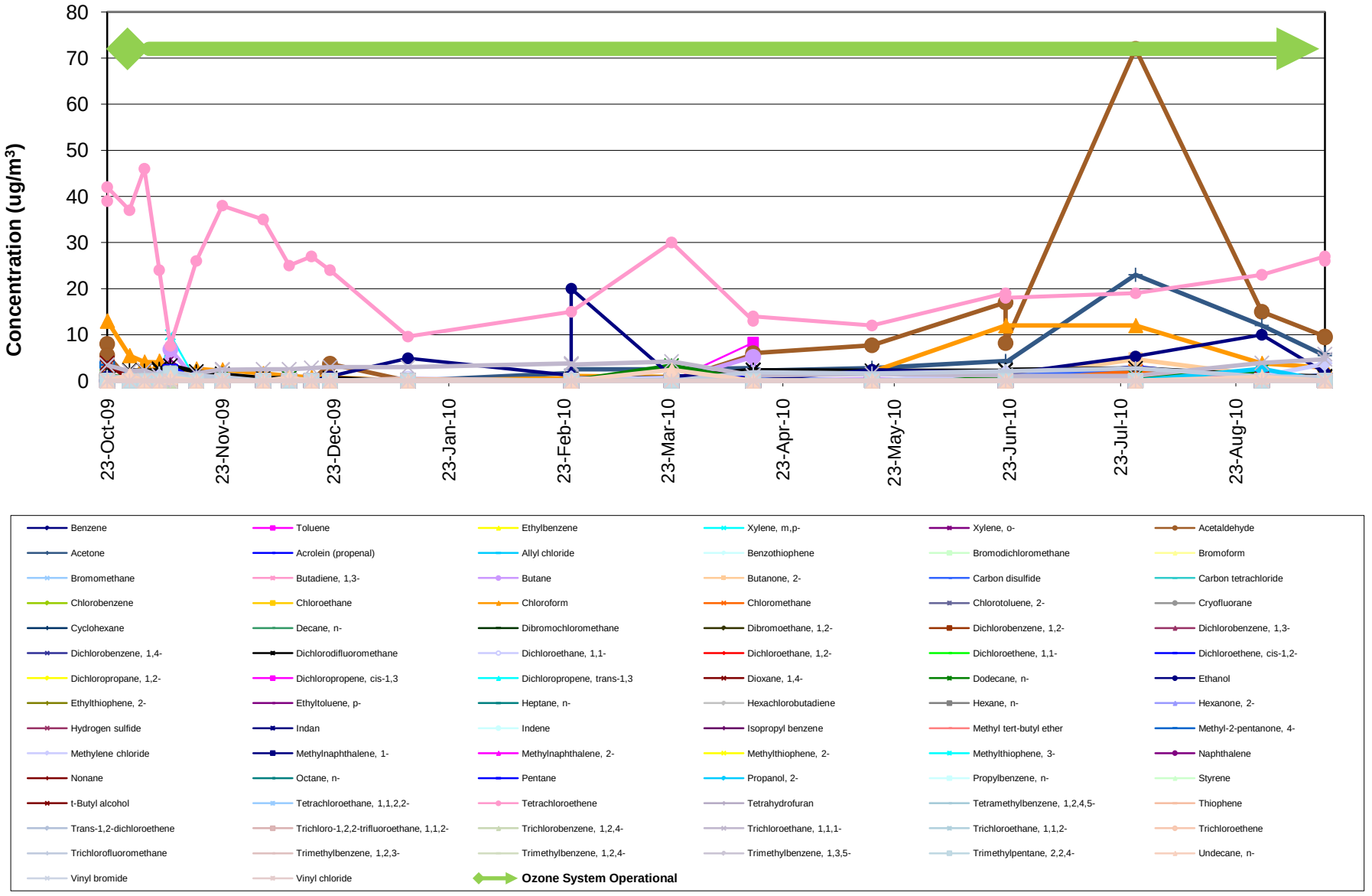
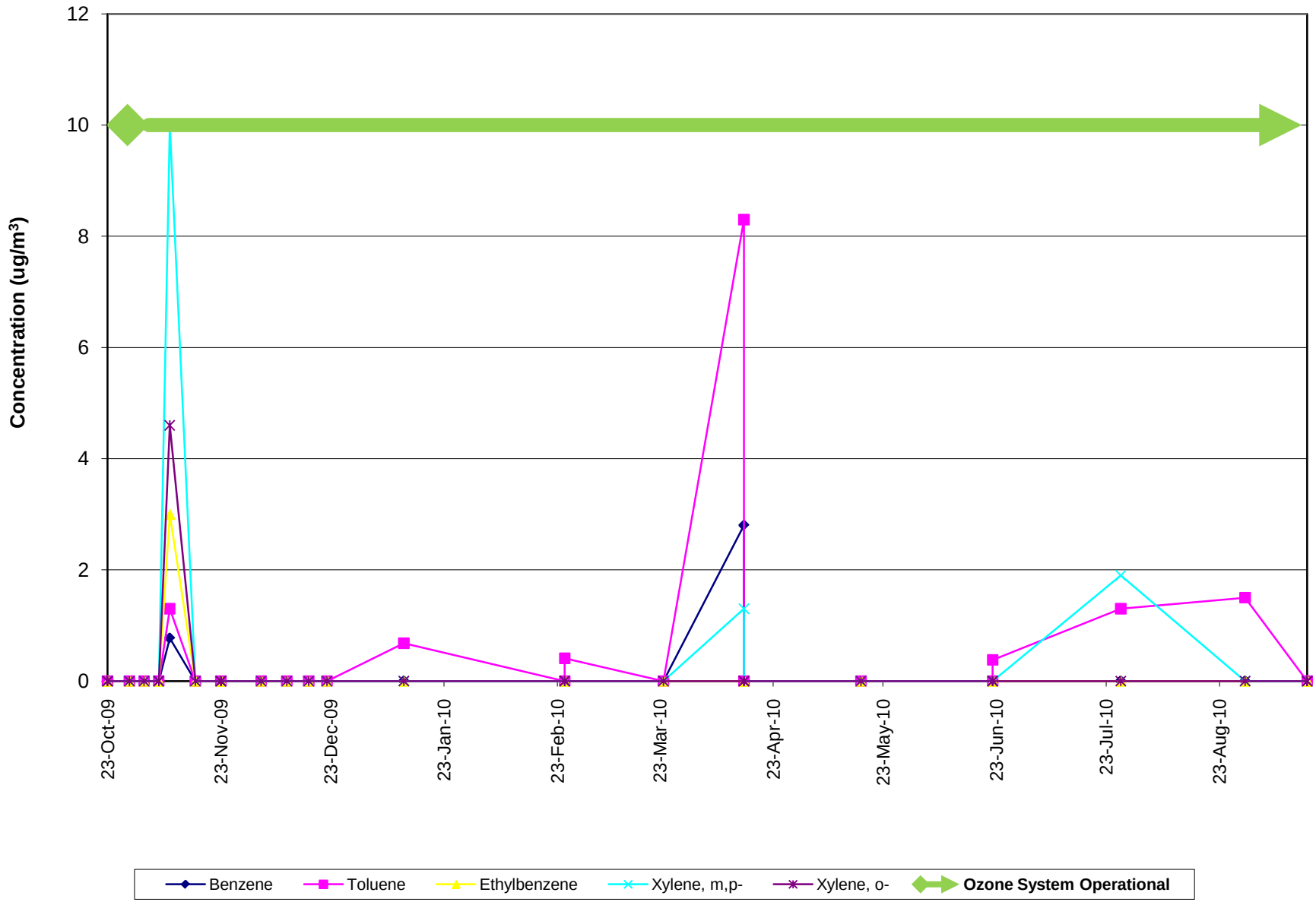
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OZSV-02



Appendix H
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OZSV-02 BTEX



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Soil Vapor Analytical Results
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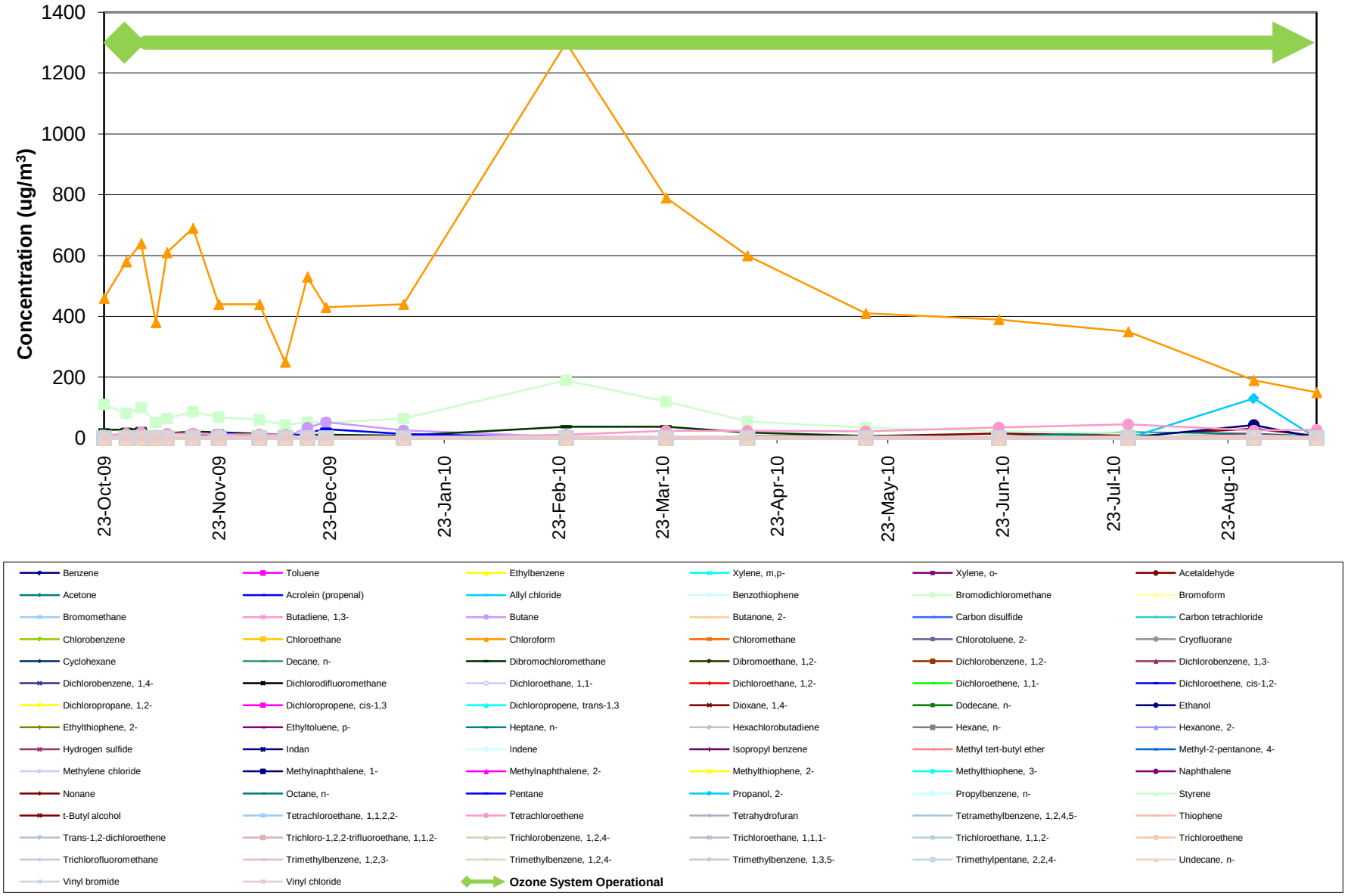
OZSV-03



Appendix H
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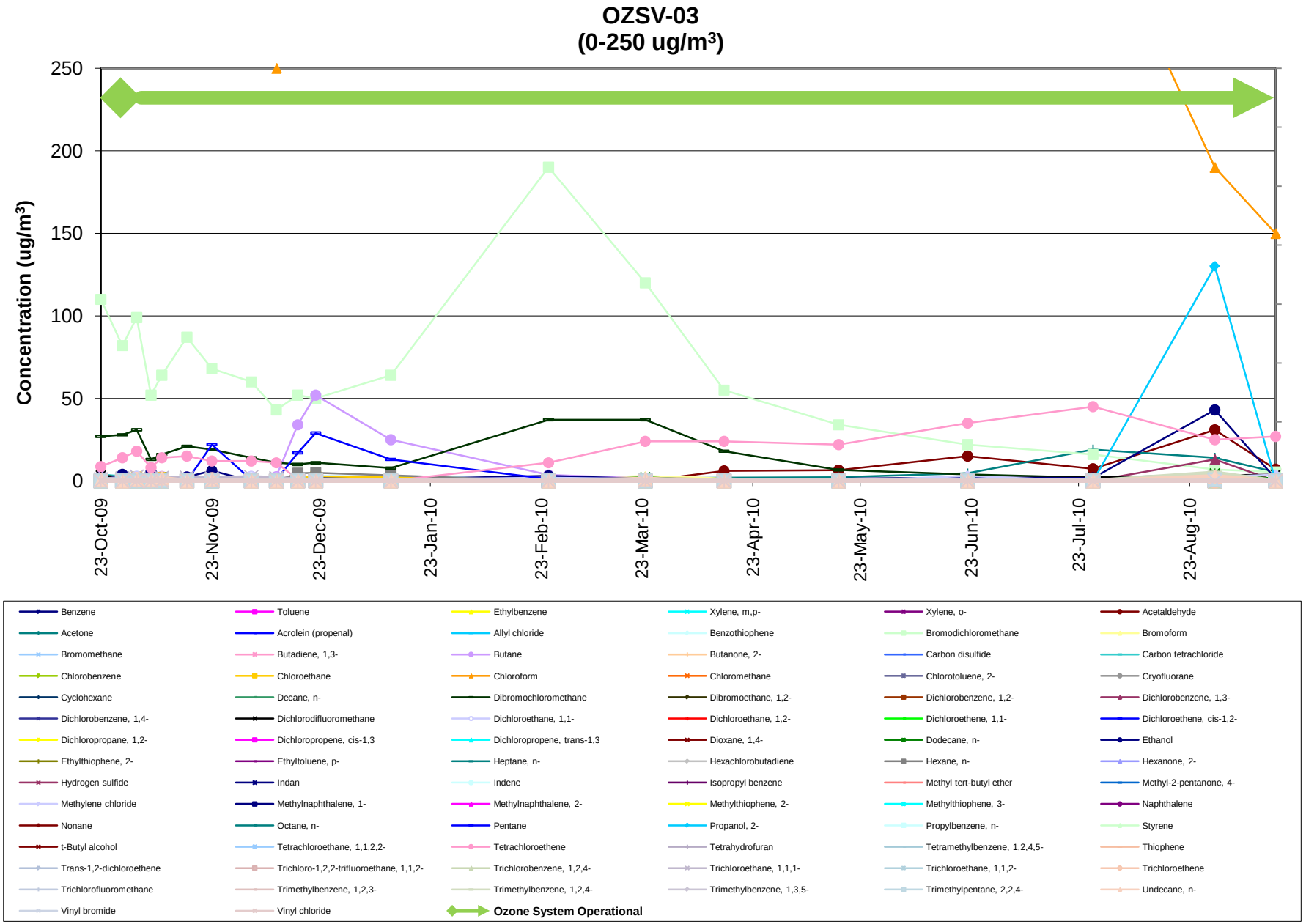

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OZSV-03 BTEX