



Geotechnical
Environmental and
Water Resources
Engineering

**Quarterly Operations, Maintenance & Monitoring
Report**

Second Quarter (Q2) 2010

**Bay Shore/Brightwaters
Former MGP Site**

Town of Islip

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

Submitted to:

National Grid USA
175 East Old Country Road
Hicksville, NY 11801
11746

Submitted by:

GEI Consultants, Inc.
110 Walt Whitman Road
Huntington Station, NY
631-760-9300

September 2010

Project 093180-5-1506

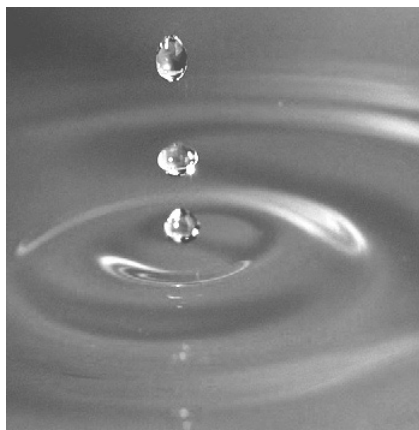


Table of Contents

Executive Summary	vi
1. Introduction	1
1.1 Background	2
2. Remediation Systems	7
2.1 OU-1 DNAPL Recovery System and NAPL Monitoring	7
2.1.1 Program Scope and Purpose	7
2.1.2 Current Site Activity	7
2.1.3 OU-1 DNAPL Recovery and NAPL Monitoring Data	8
2.1.4 Future Plans	8
2.2 OU-1 Ozone Groundwater Treatment System	9
2.2.1 Program Scope and Purpose	9
2.2.2 Current Site Activity	9
2.2.3 Future Plans	10
2.3 OU-1 Oxygen Injection Systems	11
2.3.1 Program Scope and Purpose	11
2.3.2 Current Site Activity	11
2.3.3 Oxygen Injection System OM&M Data	11
2.3.4 Future Plans	14
2.4 OU-2 Oxygen Injection Systems	14
2.4.1 Program Scope and Purpose	14
2.4.2 Current Site Activity	15
2.4.3 Oxygen Injection System OM&M Data	16
2.4.4 Future Plans	22
2.5 OU-3 Oxygen Injection Systems	23
2.5.1 Program Scope and Purpose	23
2.5.2 Current Site Activity	23
2.5.3 Oxygen Injection System OM&M Data	24
2.5.4 Future Plans	26
2.6 OU-4 S-ISCO	26
2.6.1 Program Scope and Purpose	26
2.6.2 Current Site Activity	26
2.6.3 Future Plans	26
3. Groundwater Flow	27
3.1 Scope of Groundwater Level Monitoring Program	27
3.2 Groundwater Elevation and Flow	28

4. Groundwater Quality	30
4.1 Operable Unit 1/Operable Unit 2	34
4.1.1 Total BTEX and Total PAH Composite Plume	34
4.1.2 Current (Q2 2010) Plume Configuration and Comparison to Q1 2009 Baseline Plume	35
4.1.2.1 Composite Plume Comparison	37
4.1.2.2 Total BTEX Groundwater Horizon Descriptions and Comparisons	37
4.1.2.3 Total PAH Groundwater Horizon Descriptions and Comparisons	44
4.2 Operable Unit 3	52
4.2.1 Total BTEX and Total PAH Composite Plume	52
4.2.2 Current Plume Configuration and Comparison to Baseline Q1 2009 Plume	53
4.2.2.1 Total BTEX Groundwater Horizon Descriptions and Comparisons	53
4.2.2.2 Total PAH Groundwater Horizon Descriptions and Comparisons	55
4.3 Operable Unit 4	56
4.3.1 Total BTEX and Total PAH Composite Plume	56
4.3.2 Current Plume Configuration and Comparison to Baseline Q1 2009 Plume	56
5. Soil Vapor and Ambient Air Sampling	59
5.1 Soil Vapor and Ambient Air Sampling – OU-1	59
5.1.1 Overview	59
5.1.2 Sampling Scope and Location Summary	59
5.1.3 Soil Vapor Sampling Data	60
5.1.4 Ambient Air Sampling Data	60
5.2 Soil Vapor and Ambient Air Sampling – OU-2 and OU-3	61
5.2.1 Overview	61
5.2.2 Sampling Scope and Location Summary	61
5.2.3 Soil Vapor Sampling Data	62
5.2.4 Ambient Air Sampling Data	63
5.3 Soil Vapor Sampling – OU-4	63
5.3.1 Overview	63
5.3.2 Sampling Scope and Location Summary	63
5.3.3 Soil Vapor Sampling Data	64
5.4 Soil Vapor Fate and Transport	64
5.5 Future Plans	67
References	68

Tables (provided on compact disk)

Remediation Systems:

- Table 2-1:** Summary of DNAPL Removal for Recovery Well BBRW-02
- Table 2-2:** Summary of Measured NAPL Thickness
- Table 2-3:** Summary of Groundwater Parameter Data – OU-1 Oxygen Injection System
- Table 2-4:** Summary of Groundwater Parameter Data – OU-2 Oxygen Injection Systems
- Table 2-5:** OU-2 Summary of Heterotrophic Plate Count Results
- Table 2-6:** Summary of Groundwater Parameter Data – OU-3 Oxygen Injection Systems
- Table 2-7:** OU-3 Summary of Heterotrophic Plate Count Results

Groundwater Flow:

- Table 3-1:** OU-1 Water Level Measurements and Calculated Groundwater Elevations
- Table 3-2:** OU-1 Historic Calculated Groundwater Elevations
- Table 3-3:** OU-2 Water Level Measurements and Calculated Groundwater Elevations
- Table 3-4:** OU-2 Historic Calculated Groundwater Elevations
- Table 3-5:** OU-3 Water Level Measurements and Calculated Groundwater Elevations
- Table 3-6:** OU-3 Historic Calculated Groundwater Elevations
- Table 3-7:** OU-4 Water Level Measurements and Calculated Groundwater Elevations
- Table 3-8:** OU-4 Historic Calculated Groundwater Elevations

Groundwater Quality:

- Table 4-1:** OU-1 Summary of Historic Total BTEX Groundwater Analytical Results
- Table 4-2:** OU-1 Summary of Historic Total PAH Groundwater Analytical Results
- Table 4-3:** OU-1 Summary of BTEX, MTBE and PAH Groundwater Analytical Results
- Table 4-4:** OU-1 Summary of Expanded Groundwater Analytical Results
- Table 4-5:** Summary of Historic Total BTEX Groundwater Analytical Results – Downgradient of the Subsurface Barrier Wall
- Table 4-6:** Summary of Historic Total PAH Groundwater Analytical Results – Downgradient of the Subsurface Barrier Wall
- Table 4-7:** Summary of Historic Total BTEX Groundwater Analytical Results – Mid-Plume Treatment Area
- Table 4-8:** Summary of Historic Total PAH Groundwater Analytical Results – Mid-Plume Treatment Area
- Table 4-9:** Summary of Historic Total BTEX Groundwater Analytical Results – Downgradient of Montauk Highway
- Table 4-10:** Summary of Historic Total PAH Groundwater Analytical Results – Downgradient of Montauk Highway

Table 4-11: OU-2 Summary of Expanded Groundwater Analytical Results

Table 4-12: OU-1 Summary of Total BTEX Statistical Trends

Table 4-13: OU-1 Summary of Total PAH Statistical Trends

Table 4-14: OU-2 Summary of Total BTEX Statistical Trends

Table 4-15: OU-2 Summary of Total PAH Statistical Trends

Table 4-16: OU-3 Summary of Historic Total BTEX Groundwater Analytical Results

Table 4-17: OU-3 Summary of Historic Total PAH Groundwater Analytical Results

Table 4-18: OU-3 Summary of BTEX MTBE and PAH Groundwater Analytical Results

Table 4-19: OU-3 Summary of Expanded Groundwater Analytical Results

Table 4-20: OU-3 Summary of Total BTEX Statistical Trends

Table 4-21: OU-3 Summary of Total PAH Statistical Trends

Table 4-22: OU-4 Summary of Historic Total BTEX Groundwater Analytical Results

Table 4-23: OU-4 Summary of Historic Total PAH Groundwater Analytical Results

Table 4-24: OU-4 Summary of Expanded Groundwater Analytical Results

Table 4-25: OU-4 Summary of Total PAH Statistical Trends

Soil Vapor and Ambient Air Quality:

Table 5-1: Analytical Soil Vapor Results

Table 5-2: Analytical Ambient Air Results

Figures

- 1 Monitoring Well and Surface Water Gauging Station Location Map
- 2 DNAPL Recovery Data BBRW-02
- 3 OU-1 Union Boulevard Oxygen Injection Line Groundwater Data
- 4 33 N. Clinton Avenue Oxygen Injection Line Groundwater Data
- 5 Cooper Lane Oxygen Injection Line Groundwater Data
- 6 34 N. Clinton Avenue Oxygen Injection Line Groundwater Data
- 7 9 N. Clinton Avenue Oxygen Injection Line Groundwater Data
- 8 Montauk Highway Oxygen Injection Line Groundwater Data
- 9 Manatuck Lane Oxygen Injection Line Groundwater Data
- 10 OU-3 Union Boulevard Oxygen Injection Line Groundwater Data
- 11 On-site Shallow Groundwater Contour Map
- 12 Shallow Groundwater Contour Map
- 13 Deep Groundwater Contour Map
- 14 Water Table Groundwater BTEX Iso-Concentration Map – (0-10 Feet bgs) Q1 2009/Q2 2010 Data
- 15 Intermediate Groundwater BTEX Iso-Concentration Map (10-50 Feet bgs) – Q1 2009/Q2 2010 Data
- 16 Deep Groundwater BTEX Iso-Concentration Map (Below 50 Feet bgs) – Q1 2009/Q2 2010 Data
- 17 Water Table Groundwater PAH Iso-Concentration Map – (0-10 Feet bgs) Q1 2009/Q2 2010 Data
- 18 Intermediate Groundwater PAH Iso-Concentration Map (10-50 Feet bgs) – Q1 2009/Q2 2010 Data
- 19 Deep Groundwater PAH Iso-Concentration Map (Below 50 Feet bgs) – Q1 2009/Q2 2010 Data

Appendices (provided on compact disk)

- A OU-1 Ozone Injection System OM&M Data
- B OU-1 Oxygen Injection System OM&M Data
- C OU-2 Oxygen Injection System OM&M Data
- D OU-3 Oxygen Injection System OM&M Data
- E Soil Vapor Analytical Results
- F Time Series Plots of Analytical Results for Groundwater Monitoring Wells
- G Distribution of pH Values in Groundwater

Executive Summary

This report presents the second quarter 2010 (Q2 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 (OUs) 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.

Significant remedial activities were initiated during Q4 2009 and continued into Q2 2010. These include the startup of the ozone injection groundwater treatment system in OU-1, startup of one additional oxygen injection line within the OU-2 groundwater plume, the startup of an additional oxygen injection line in OU-3, completion of the injection phase of the OU-4 Cesspool Area Surfactant Enhanced In-situ Chemical Oxidation (S-ISCO) Interim Remedial Measure (IRM), and completion of Phase I and Phase II of the OU-3 Long Island Rail Road (LIRR) Excavation IRM. In OU-1 excavation of source material was completed in April 2010 on the properties located at 60 North Clinton Avenue and 66 North Clinton Avenue. The monitoring of these remedial measures continued through Q2 2010. Information pertaining to the operation and monitoring data from the oxygen injection systems and ozone injection system, groundwater monitoring data for each OU, as well as soil vapor and ambient air quality data 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 Q2 2010 resulted in the recovery of 20 gallons of DNAPL. Since the beginning of DNAPL recovery operations in 2006, approximately 340 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 weekly basis. LNAPL has not been detected during the monitoring program. Measured DNAPL thickness has remained consistent between Q1 2009 and Q2 2010.

Groundwater Treatment

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

The groundwater in the vicinity of these systems is monitored for the concentrations of dissolved phase COCs, 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 dissolved phase COCs. 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 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 (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 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.

OU-1

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 first three 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 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. 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 consists 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. During Q2 2010, for the existing Union Boulevard oxygen injection system, decreases in total BTEX and total PAH concentrations in groundwater are evident historically in downgradient monitoring wells.

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 off-site within 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 two and 10 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 current (Q2 2010) composite plume and the historical 2004 RI plume outline while also comparing the Q2 2010 total BTEX and total PAH plume to the Q1 2009 plumes, for each of the three groundwater horizons. 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; 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, a graphical trend analysis evaluation and a statistical evaluation for each of the OU's 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 beginning of the operation of the ozone and oxygen injection treatment systems.

OU-1/OU-2

The Q2 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 Montauk Highway, approximately 300 feet upgradient of the creek, and fragmentation of the current plume in the mid-plume area.

In the shallow groundwater zone, the Q2 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 plume length has been reduced approximately 600 feet from near 9 North Clinton Avenue to near Cooper Lane, and the width has been reduced near the edge of OU-1 by over 100 feet. The reduction in length of the total PAH downgradient plume is even greater than the reduction (approximately 850 feet) of the total BTEX plume.

In the intermediate groundwater zone, the total BTEX and total PAH plumes have been significantly fragmented decreasing greatly in areal extent, as well as COC concentrations. The reduction in size of the total BTEX plume is greater than 50%, and the maximum

concentrations have decreased from greater than 10,000 ug/L to a maximum of less than 5,000 ug/L. Furthermore, concentrations exceeding 1,000 ug/L were limited to very localized areas in OU-1 and were only detected 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, where a large section of the mid-plume was characterized by concentrations exceeding 1,000 ug/L in Q1 2009, concentrations exceeding 1,000 ug/L in this area were limited to two wells in Q2 2010.

In the deep groundwater zone, the total BTEX plume has been fragmented between Q1 2009 and Q2 2010 in the mid-plume area. In addition, there has also been a slight reduction in the distance to the downgradient edge of the plume. For the total PAH plume, the plume has narrowed, possibly separating in the upgradient section of OU-2, likely as a result of the Cooper Lane oxygen injection line. Concentrations have also decreased in the mid-plume area from a maximum of 7,000 ug/L in Q1 2009 to less than 3,000 ug/L in Q2 2010.

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 Q2 2010 composite plume outline encompasses a much smaller area than the 2004 RI plume. One key difference is that the distance of the areal extent of the main plume has been reduced, to where it is concentrated in the area between the LIRR tracks and Union Boulevard, with two localized areas of impacted groundwater downgradient of Union Boulevard. The total BTEX plume exists primarily in the shallow groundwater with a reduction in maximum concentrations in this zone between the Q1 2009 and Q2 2010 plumes from over 50,000 ug/L to under 20,000 ug/L. In addition, the shallow total BTEX plume has been slightly reduced in size in the area between the LIRR tracks and Union Boulevard. No BTEX concentrations above 100 ug/L were detected in the intermediate zone in Q1 2009, while in Q2 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 total BTEX concentration in one of the three wells was only slightly above 100 ug/L and within the historical concentration range for this well. The two remaining wells which comprise the other section of the current intermediate plume were installed subsequent to the Q1 2009 sampling event and were first sampled in Q3 2009.

The total PAH plume has slightly increased in size and concentration in the vicinity of the LIRR tracks; however, detections above 100 ug/L were limited to three wells in the area.

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 Q2 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 Q2 2010, total BTEX concentrations greater than 100 ug/L were not present in all 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 Q2 2010 sampling round. The highest PAH concentration detected in groundwater in OU-4 has increased slightly between Q1 2009 (243 ug/L) and Q2 2010 (339 ug/L).

The total PAH plume has increased in size and has expanded to south of the LIRR tracks within the intermediate groundwater zone in Q2 2010. The maximum concentrations have remained roughly similar between Q1 2009 and Q2 2010, with both 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 Q2 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 systems/lines located within OU-2 and two systems located in OU-3.

Soil vapor concentrations have varied significantly between 2005 and Q2 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 Q2 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 Q2 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 Q2 2010, concentrations were within the range of past values.

1. Introduction

This report presents the second quarter 2010 (Q2 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 Union Boulevard and to the west by North Clinton Avenue. OU-1 also includes the adjacent West Parcel located west of North Clinton Avenue, north of the Long Island Rail Road (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 west 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 area, 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 on **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 Q2 2010 included operation of the ozone injection system in OU-1, completion of Phase 4 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, the restoration and relocation of the LIRR tracks back to their original alignment, and initiation of Phase II of the OU-3 LIRR Excavation Interim Remedial Measure (IRM). The monitoring of these remedial measures continued through Q2 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 Form 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.

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 eight 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 groundwater treatment system is currently in the initial startup phase. 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 (GEI, 2008), three additional groundwater treatment systems (**Figure 1**) utilizing the oxygen injection technology were installed within the OU-2 groundwater plume. All three systems began operation during Q1 2009. A fourth system was installed during Q2 2009 at the downgradient edge/tail of the OU-2 plume, at Lawrence Creek.
- **Plume Tail Oxygen Injection System:** As indicated above, in Q2 2009, an oxygen injection system was installed along the bulkhead of Lawrence Creek at the OU-2 plume tail. The system was brought 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**) (Paulus, Sokolowski and Sartor Engineering, PC [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.
- 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: Site preparation activities for the IRM were initiated in Q1 2009. Phase 1 excavation activities were completed in Q4 2009. Excavation activities for Phase 2 were completed in Q2 2010. Phase 3 excavation activities on the Brightwaters Yard began 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 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). The remaining impacted materials below the water table at the former cesspool area are currently being treated using in-situ treatment technologies. The NYSDEC-approved OU-4 Cesspool Area S-ISCO Work Plan (VeruTEK, 2008) was submitted on February 19, 2008. S-ISCO injection was initiated on April 30, 2009 and completed on December 3, 2009. Post S-ISCO soil sampling was conducted in Q2 2010. The soil analytical results will be presented in the OU-4 Cesspool Area S-ISCO IRM Completion Report. Post S-ISCO groundwater monitoring is currently being implemented.
- In the former pond area, shallow impacted soils will be removed and treated offsite as part of an IRM that was approved by the NYSDEC in April 2006 (GEI, 2006a). A revised Pond Area IRM work plan is currently being developed based on current site data and proposed future site use.

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 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, BMW-05D, BMW-22D, BBRW-01R, and BMW-06 on a weekly basis. BMW-20D was damaged in Q1 2008 during construction activities on OU-1 and has not been gauged since. BBRW-01 was abandoned in support of the OU-1 Southern Cell Excavation in Q1 2007. RW-03 and RW-04 were abandoned on April 1, 2009 to facilitate construction of the ozone injection system in OU-1 South. As of November 6, 2009, wells BBRW-01R and BMW-06 were included in gauging operations. These wells were installed during the construction of the shed housing BBRW-02. 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 non-aqueous phase liquids (NAPL) monitoring events occurred during Q2 2010:

- **DNAPL Recovery:** The DNAPL recovery system in BBRW-02 was operated on the following dates:
 - April 1, 2010 – DNAPL Recovery, Scheduled Operation 69

- April 23, 2010 – DNAPL Not Recovered, Scheduled Operation 70
 - May 12, 2010 – DNAPL Recovery, Scheduled Operation 71
 - June 4, 2010 – DNAPL Recovery, Scheduled Operation 72
 - June 24, 2010 – DNAPL Recovery, Scheduled Operation 73
- **NAPL Gauging:** Wells BBRW-02, BBRW-05, BMW-05D, BMW-22D, BBRW-01R, and BMW-06 were gauged for the presence of LNAPL and DNAPL on the following dates:
 - April 2, 9, 16, 23, and 30, 2010
 - May 7, 14, 21, and 28, 2010
 - June 4, 11, 18, and 25, 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 19.8 gallons of DNAPL were recovered during Q2 2010. Approximately 339 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 BBRW-02, BBRW-05, BMW-05D, BMW-20D, BMW-22D, BBRW-01R and BMW-06. Measured DNAPL thickness has remained consistent since the installation of the subsurface barrier wall.
- **Figure 2 DNAPL Recovery Data BBRW-02** – illustrates historical pre- and post-DNAPL recovery thickness and volume of DNAPL recovered from BBRW-02. The operational schedule of the DNAPL recovery system was changed from operating once every two weeks to approximately once every three weeks in Q2 2008 due to decreasing recovery. DNAPL recovery 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 on-site does not exceed 90 days from the start of accumulation in a drum.
- The frequency of NAPL gauging at BBRW-02, BBRW-05, BMW-05D, BMW-22D, BBRW-01R, and BMW-06 will be decreased from weekly to quarterly in Q3 2010 as approved by the New York State Department of Environmental Conservation (NYSDEC). Quarterly gauging is adequate due to the consistent NAPL thickness observed since the installation of the subsurface barrier wall.

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 was started in October 2009. During Q2 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 Q2 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 Q2 2010. Detailed calculations will be provided in the Phase IA Completion Report.
- **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-16, 17, 18, 19, 20, 22, 23, 24, 25, and 26 were sampled monthly according to the system startup sampling schedule. 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 on **Figure 3**.
- **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 initial 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. This system 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 feeds 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 on **Figure 1**.

2.3.2 Current Site Activity

The following OU-1 oxygen injection system monitoring and system operation activities were performed in Q2 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 oxygen 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 and 32.0 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 ft bgs) and intermediate (40 ft bgs) injection depths. DO concentrations have remained consistent in downgradient monitoring well clusters between Q1 2009 and Q2 2010. DO remained elevated within the intermediate zones at OZMW-18 during Q2 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 elevated in several downgradient monitoring wells. ORP values ranged between -48 and 220 millivolts (mV).
- pH varied between 7.0 and 4.3 Standard Units (SU) in downgradient monitoring wells. pH values under 5 SU were limited to the deep screen zones (~65 feet bgs).
- Conductivity in downgradient monitoring wells ranged between 0.228 and 1.22 milli-Siemen per centimeter (mS/cm).
- Temperature ranged between 12.4 and 17.0 degrees Celsius (degrees C) in downgradient monitoring wells, with the exception of June 2010 data for well cluster OZMW-17, typical for Q2 conditions. However, temperature ranged between 3.5 and 4.0 degrees C during the June sampling event at well cluster OZMW-17, indicating a problem with the temperature probe.

66 North Clinton Avenue Oxygen Injection System

- DO concentrations ranged between 0 and 30.0 mg/L in all downgradient monitoring wells. Although the system has only been in operation since January 2010, elevated DO concentrations have been observed at monitoring wells OU2MW-48S, OU2MW-49S, and OU2MW-49I.
- ORP values ranged between -115 and 252 (mV) in all downgradient monitoring wells. ORP values have increased since system start-up within the shallow and intermediate intervals of monitoring well clusters OU2MW-48 and OU2MW-49.
- pH varied between 6.90 and 4.83 SU in downgradient monitoring wells. pH values under 5 SU were limited to the deep screen zones (~65 ft bgs).

- Conductivity in downgradient monitoring wells ranged between 0.093 and 0.612 mS/cm.
- Temperature ranged between 11.6 and 21.4 degrees C in downgradient monitoring wells, typical for Q2 conditions.

- **Figure 3 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 3** 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 OZMW24S, I) and the OU-1 oxygen injection line (OZMW-16S, OZMW-16I, OZMW17S, 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 11,410 pounds of oxygen have been injected during Q2 2010 and a total of 107,728 pounds of oxygen have been injected since the initial startup period.
- The OU-1 south oxygen injection system operated for all 91 days during Q2 2010.

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

- Approximately 3,300 pounds of oxygen have been injected during Q2 2010 and a total of 9,069 pounds of oxygen have been injected since the initial startup period.
- The 66 North Clinton Avenue oxygen injection system operated for all 91 days during Q2 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 on **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 Q2 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 for each system are listed below.
 - Montauk Highway and Manatuck Lane oxygen injection lines -OU2MW-06, OU2MW-06S, OU2MW-07, OU2MW-07S, BMW-25S, BMW-25I, BMW-25D, OU2MW-01WT, OU2MW-01S, OU2MW-01I, OU2MW-01I2, OU2MW-01D
 - 33 North Clinton Avenue - OU2MW-39S, OU2MW-39I, OU2MW-39I2, OU2MW-29D
 - 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
- **Targeted Monitoring Well and Soil Vapor Sampling for Supplemental Oxygen Injection Systems:** For the first year of operation, targeted monitoring wells located downgradient of the supplemental oxygen injection systems are sampled on a monthly basis. Q1 2010 marked the conclusion of the initial one-year startup period for the 34 North Clinton Avenue (January 2010), 9 North Clinton Avenue (February 2010), and 33 North Clinton Avenue (March 2010) oxygen injection systems. Permission was granted by the NYSDEC to continue to sample groundwater and soil vapor on a quarterly basis. Quarterly sampling of targeted monitoring well and soil vapor points began in Q2 2010.
 - Targeted monitoring well clusters located downgradient of the 34 North Clinton Avenue oxygen injection system include OU2MW-45, OU2MW-46, and OU2MW-47.

- Targeted monitoring well clusters located downgradient of the 9 North Clinton Avenue oxygen injection system include OU2MW-28, OU2MW-29, OU2MW-30, OU2MW-31, and OU2MW-32.
 - Targeted monitoring well clusters located downgradient of the 33 North Clinton Avenue oxygen injection system include OU2MW-35, OU2MW-36, OU2MW-37, OU2MW-39, and OU2MW-42.
 - Targeted monitoring well clusters located downgradient of the Cooper Lane Extension include OU2MW-19, OU2MW-20, OU2MW-43, and OU2MW-44.
- **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 BMW-25. The data presented in this table indicate that for Q2 2010:

- DO concentrations were elevated in downgradient monitoring wells with the exception of the OU2MW-02 cluster. DO concentrations ranged between 0 and 34 mg/L within all downgradient monitoring well locations. DO concentrations are highest in the vicinity of OU2MW-01 and BMW-25. DO concentrations have historically been observed within the intermediate zones at OU2MW-03 and OU2MW-04 located approximately 425 feet downgradient of the oxygen injection line. Groundwater affected by the 9 North Clinton Avenue system has reached the OU2MW-08 well cluster. Elevated DO concentrations have been observed within the water table and intermediate screen intervals at this location.
- ORP remained elevated in select downgradient monitoring wells. ORP ranged between -120 and 330 mV.

- pH varied between 4.5 and 6.9 SU in downgradient monitoring wells. pH values were observed below 5 SU at OU2MW-01I (4.5 SU), OU2MW-04WT (4.99 SU), OU2MW-08S (4.9 SU), OU2MW-08I (4.6 SU), and OU2MW-08D (4.5 SU).
- Conductivity in downgradient monitoring wells remained consistent and has ranged between 0.048 and 1.630 mS/cm.
- Temperature ranged between 11.1 and 25.3 degrees C in downgradient monitoring wells, mostly consistent for Q2 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 below indicate that for Q2 2010:

- DO concentrations were elevated in downgradient monitoring wells. DO concentrations ranged between 0 and 34.0 mg/L. DO concentrations were seen above 8 mg/L within all downgradient wells with the exception of OU2MW-06S (5.0 mg/L), OU2MW-07S (5.0 mg/L), OU2MW-53D (0.0 mg/L), and OU2MW-53S (3.0 mg/L).
- ORP remained elevated in a number of downgradient monitoring wells. ORP ranged between -84 and 425 mV.
- pH varied between 4.3 and 6.6 SU in downgradient monitoring wells. pH values were observed below 5 SU at OU2MW-07S (4.3 SU) and OU2MW-52S (4.4 SU).
- Conductivity in downgradient monitoring wells varied between 0.083 and 0.58 mS/cm.
- Temperature ranged between 10.5 and 24.2 degrees C, mostly typical for Q2 conditions.

34 North Clinton Avenue - Downgradient monitoring well clusters include OU2MW-45, OU2MW-46, and OU2MW-47. The data presented below indicate that for Q2 2010:

- DO concentrations remained elevated in downgradient monitoring wells. DO concentrations ranged between 3.6 and 43.0 mg/L.
- ORP remained elevated in a number of downgradient monitoring wells. ORP ranged between 9 and 501 mV.
- pH remained consistent. pH varied between 4.9 and 6.5 SU in downgradient monitoring wells. pH values were observed below 5 SU at OU2MW-47D (4.9 SU).
- Conductivity in downgradient monitoring wells remained consistent. Conductivity ranged between 0.143 and 1.06 mS/cm.
- Temperature ranged between 6.2 and 16.6 degrees C, mostly typical for Q2 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 below indicate that for Q2 2010:

- DO concentrations were elevated in several downgradient monitoring wells. DO concentrations ranged between 0 and 36 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), OU2MW-29I (3.6 mg/L), OU2MW-29D (0.0 mg/L), OU2MW-30D2 (0.0 mg/L – May sampling event only).
- ORP was elevated in a number of downgradient monitoring wells. ORP ranged between -163 and 227 mV.
- pH varied between 4.5 and 7.5 SU in downgradient monitoring wells. pH fell below 5 SU during at least one sampling event at OU2MW-30D (4.5 SU), OU2MW-30D2 (4.6 SU), OU2MW-30I3 (4.7 SU), OU2MW-31I2 (4.7 SU), OU2MW-32I2 (4.9 SU), and OU2MW-32S (4.8 SU). pH values were observed above 7 SU at OU2MW-29D (7.5 SU).
- Conductivity values varied across the downgradient monitoring wells. Conductivity ranged between 0.239 and 1.76 mS/cm.
- Temperature ranged between 4.6 and 18.8 degrees C, mostly typical for Q2 conditions. Temperature ranged between 4.6 and 5.7 degrees C during the May sampling event at wells OU2MW-31I, OU2MW-32I, and OU2MW-32D indicating a problem with the temperature probe.

33 North Clinton Avenue - Downgradient monitoring well clusters include OU2MW-35, OU2MW-36, OU2MW-37, OU2MW-39, and OU2MW-42. The data presented below indicate that for Q2 2010:

- DO concentrations were elevated in several downgradient monitoring wells. DO concentrations ranged between 0 and 42 mg/L. DO concentrations were observed above 10 mg/L at all targeted monitoring wells with the exception of the OU2MW-36I2(0.8 mg/L), OU2MW-36D (0.0 mg/L), OU2MW-37I2(0.2 mg/L), OU2MW-37D (0.0 mg/L), OU2MW-39I2 (0.0 mg/L), and OU2MW-39D (0.0 mg/L).
- ORP was elevated in a number of downgradient monitoring wells. ORP ranged between -33 and 506 mV.
- pH varied between 2.9 and 6.6 SU in downgradient monitoring wells. pH fell below 5 SU during at least one sampling event at OU2MW-35D (4.7 SU), OU2MW-36I2(4.7 SU), OU2MW-37D (4.9 SU), OU2MW-42D (2.9 SU), and at all screen intervals at OU2MW-39.

- Conductivity in downgradient monitoring wells ranged between 0.138 and 1.66 mS/cm.
- Temperature ranged between 10.8 and 16.0 degrees C, typical for Q2 conditions.

Cooper Lane Extension - Downgradient monitoring well clusters include OU2MW-19, OU2MW-20, OU2MW-43, and OU2MW-44. The data presented below indicate that for Q2 2010:

- DO concentrations ranged between 0 and 43 mg/L. DO concentrations were observed at elevated concentrations at monitoring well clusters OU2MW-19, OU2MW-20, and OU2MW-43.
 - ORP was elevated in a number of downgradient monitoring wells. ORP ranged between -104 and 410 mV.
 - pH varied between 4.8 and 6.57 SU in downgradient monitoring wells. pH fell below 5 SU during the June 2010 sampling event at OU2MW-20D (4.8 SU).
 - Conductivity ranged between 0.143 and 1.560 mS/cm in downgradient monitoring wells.
 - Temperature ranged between 11.0 and 17.4 degrees C, typical for Q2 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 12 and 22,000 colony forming units per milliliter (cfu/mL) at all locations.
 - **Figure 4 – 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 4** 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 5 – 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 5** provides data for the monitoring well clusters OU2MW-19, OU2MW-20,

OU2MW-43, and OU2MW-44. DO concentrations have increased 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 already 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 6 – 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 6** provides data for the monitoring well clusters BMW-24, OU2MW-21, OU2MW-26, OU2MW-45, OU2MW-46, and OU2MW-47. Elevated DO concentrations have been observed in downgradient monitoring well clusters OU2MW-45, OU2MW-46, and OU2MW-47. Significant decreases of MGP-related contaminants have been observed in monitoring wells located downgradient of the oxygen injection system at wells where effects of the oxygen injection system have been noted (OU2MW-21S, OU2MW-21I, OU2MW-21I2, OU2MW-26I, OU2MW-26I2, OU2MW-45S, OU2MW-45I2, OU2MW-46S, OU2MW-46I, OU2MW-46I2, OU2MW-47S, OU2MW-47I, OU2MW-47I2, and OU2MW-47D). Further groundwater trend analysis is discussed in Section 4.
- **Figure 7 – 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 7** 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 Q2 2010 with the exception of the OU2MW-28I2, OU2MW-29D, and monitoring well cluster OU2MW-32. OU2MW-32 is located directly upgradient of the oxygen injection line. DO has not been observed in 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-40 I, and OU2MW-41I. Further groundwater trend analysis is discussed in Section 4.

- **Figure 8 – 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 8** provides data for the monitoring well clusters BMW-25, OU2MW-01, OU2MW-02, OU2MW-03, and OU2MW-04. Elevated DO levels have been observed at downgradient monitoring well clusters BMW-25 and OU2MW-01. 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 (BMW-25S, BMW-25I, BMW-25D, OU2MW-01S, OU2MW-01I, OU2MW-01I2, and OU2MW-04I). Further groundwater trend analysis is discussed in Section 4.
- **Figure 9 – 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 9** 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, and GMP-02. 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 28,660 pounds of oxygen have been injected during Q2 2010 and a total of 466,330 pounds of oxygen have been injected since the initial startup period.

- The Garner Lane oxygen injection system operated for all 91 days during Q2 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 13,635 pounds of oxygen were injected during Q2 2010 and a total of 77,888 pounds of oxygen have been injected since the initial startup period.
- During Q2 2010, the system operated for all 91 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 18,645 pounds of oxygen were injected during Q2 2010 and a total of 127,078 pounds of oxygen have been injected since the initial startup period.
- During Q2 2010, the system operated for all 91 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 24,185 pounds of oxygen were injected during Q2 2010 and a total of 107,383 pounds of oxygen have been injected since the initial startup period.
- During Q2 2010, the system operated for all 91 days.

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

- Approximately 5,125 pounds of oxygen were injected during Q2 2010 and a total of 20,520 pounds of oxygen have been injected since the initial startup period.
- During Q2 2010, the system operated for 89 out of 91 possible days. The system was down for two days due to power failures.

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 consists of one injection line intended to reduce the concentrations of MGP-related contaminants in groundwater prior to discharge to O-Co-Nee Pond. A second oxygen injection groundwater treatment system was installed in Q4 2004, as part of an IRM on the Brightwaters Yard. This treatment system consisted of three injection lines intended to reduce the concentrations of MGP-related contaminants in groundwater leaving the Site boundary. The Brightwaters Yard Oxygen Injection System was taken offline on June 1, 2009 in support of the OU-3 LIRR IRM.

The system and nine associated monitoring wells (PDMW-01, PDMW-02, PDMW-03, MW-02S/SR, MW-02I-R, MW-26D, MW-59, MW-16, and MW-16S/SR) were abandoned in June 2009. 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 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.

2.5.2 Current Site Activity

The following OU-3 oxygen injection system monitoring and system operation activities were performed in Q2 2010.

- **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:** One groundwater treatment system is physically located within OU-3, the OU-3 Union Boulevard system. The groundwater treatment system is monitored on a monthly basis to ensure effective continued operation. During each monitoring event, system parameters relating to system operational and equipment readiness are recorded and adjusted as necessary to optimize system

performance. The Community road treatment line is supplied by the 66 North Clinton Avenue oxygen injection system that is located in OU-1.

- **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.

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-07, OU3MW-01, OU3MW-02), 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 system down time. The system was down during part of Q2 2010 due to a problem with the oxygen generator. DO concentrations began to rebound during the June sampling event. DO concentrations ranged between 0 and 26 mg/L at all downgradient monitoring wells.
- ORP declined in downgradient monitoring wells due to the system downtime. ORP ranged between -172 and 121 mV at these locations.
- pH ranged between 4.8 and 6.65 SU in downgradient monitoring wells and fell below 5 SU at MW-70/70S (4.8 SU) during the May sampling event.
- Conductivity in downgradient monitoring wells remained consistent and ranged between 0.239 and 1.44 mS/cm.
- Temperature ranged between 6.4 and 23.0 degrees C. Temperature values were not consistent with typical Q2 values. This could potentially be due to a faulty temperature probe.

Community Road Oxygen Treatment Line

- DO concentrations ranged between 0 and 29 mg/L in all downgradient monitoring wells. Elevated concentrations have already been observed at OU3MW-02S,

- OU3MW-02I, OU3MW-07I, and OU3MW-07I2 since the system began operation on April 6, 2010.
- ORP ranged between -109 and 210 mV at downgradient monitoring wells. Increases in ORP have been observed at monitoring well clusters OU3MW-02 and OU3MW-07.
 - pH ranged between 5.6 and 7.9 SU in downgradient monitoring wells. pH was observed above 7 SU at OU3MW-01S (7.9 SU).
 - Conductivity in downgradient monitoring wells remained consistent. Conductivity ranged between 0.191 and 1.25 mS/cm.
 - Temperature ranged between 5.2 and 17.7 degrees C. Temperature values were not consistent with typical Q2 values. This could potentially be due to a faulty temperature probe.
- **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 32 and 2,000 cfu/ml.
 - **Figure 10 OU-3 Union Boulevard Oxygen Injection Line Groundwater Data** – provides graphical depiction of DO measurements, total BTEX and total PAH concentrations over time for wells located downgradient of the Union Boulevard oxygen injection system and the Community Road treatment 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 3,455 pounds of oxygen were injected during Q2 2010.
- A total of 187,793 pounds of oxygen have been injected since December 2006.
- The system operated for 63 out of a possible 90 days during Q2 2010. The system was down for 28 days in May and June due to a faulty circuit board within the oxygen generator.

2.5.4 Future Plans

- Continue monthly system inspections, groundwater monitoring and quarterly sampling for COC.
- The Union Boulevard system will be taken offline and abandoned in Q3 2010.
- Continue weekly system inspections until system is abandoned.
- Conduct routine maintenance on the system until system is abandoned.

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 soil sampling was conducted in Q2 2010. The soil analytical results will be presented in the OU-4 Cesspool Area S-ISCO IRM Completion Report.

2.6.2 Current Site Activity

Post S-ISCO injection groundwater monitoring for COC and S-ISCO performance monitoring parameters was conducted in Q2 2010. The complete set of 56 OU-4 monitoring wells were sampled for VOCs and SVOCs between May 3, 2010 and May 10, 2010. In addition, a subset of 21 monitoring wells located within the S-ISCO treatment area of OU-4 were sampled for VOCs and SVOCs on June 1, 2010 and June 2, 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

- Continued 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 direction 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 on **Figure 1**.

Depth to groundwater measurements were collected from a total of 269 wells in Q2 2010. The distribution of these wells for each of the OUs consisted of 50, 114, 36 and 69 monitoring wells from within and in the vicinity of OU-1, OU-2, OU-3 and OU-4, respectively. In addition, 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 March 31 and April 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 following 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 Q2 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 Q2 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 Q2 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 Q2 2010.
- **Table 3-8 OU-4 Historic Calculated Groundwater Elevations** – provides historic groundwater elevations for OU-4 for existing groundwater wells.
- **Figure 11 On-site Shallow Groundwater Contour Map** – provides the Q2 2010 shallow groundwater elevation contours for OU-1 and OU-3.
- **Figure 12 Shallow Groundwater Contour Map** – provides the Q2 2010 shallow groundwater elevation contours for OU-1, OU-2, OU-3 and OU-4.
- **Figure 13 Deep Groundwater Contour Map** – provides the Q2 2010 deep groundwater elevation contours for OU-1, OU-2, OU-3 and OU-4.

3.2 Groundwater Elevation and Flow

As illustrated on **Figures 11** through **13** 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 the presence of Watchogue Creek/Crum's Brook. The data provided on **Figures 12** and **13** 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 gradient at these locations.

The shallow horizontal groundwater gradient at the Site ranges from approximately 0.0024 feet/foot to 0.0048 feet/foot. The deep horizontal groundwater gradient at the Site ranges from approximately 0.0024 feet/foot to approximately 0.0044 feet/foot. The groundwater elevations measured in Q2 2010 were higher than the Q1 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 0.0024 feet/foot and the deep groundwater hydraulic gradient is also approximately 0.0024 feet/foot. The groundwater

elevation in OU-1 monitoring wells during the Q2 2010 event were an average of approximately 1.48 feet higher than the Q1 2010 groundwater elevations and an average of approximately 1.55 feet higher than the Q2 2009 groundwater elevations.

OU-2

The shallow groundwater hydraulic gradient ranges from approximately 0.0030 feet/foot in the upgradient portion of the plume to approximately 0.0043 feet/foot in the downgradient portion of the plume. The deep groundwater hydraulic gradient ranges from approximately 0.0035 feet/foot to 0.0040 feet/foot. The groundwater elevation in OU-2 monitoring wells during the Q2 2010 event were an approximate average of 1.75 feet higher than the Q1 2010 groundwater elevations and an approximate average of 1.54 feet higher than the Q2 2009 groundwater elevations.

OU-3

The shallow groundwater hydraulic gradient in OU-3 is approximately 0.0048 feet/foot. No deep wells are located in OU-3. The groundwater elevation in OU-3 monitoring wells during the Q2 2010 event were an approximate average of 1.03 feet higher than the Q1 2010 groundwater elevations and an approximate average of 0.99 feet higher than the Q2 2009 groundwater elevations.

OU-4

The shallow groundwater hydraulic gradient is approximately 0.0038 feet/foot. The deep groundwater hydraulic gradient is approximately 0.0041 feet/foot. The groundwater elevation in OU-4 monitoring wells during the Q2 2010 gauging event was an approximate average of 0.82 feet higher than the Q1 2010 groundwater elevations and an approximate average of 0.77 feet higher than the Q2 2009 groundwater elevations.

4. Groundwater Quality

The groundwater plume designated as 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.

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) (OU-1 through OU-4). In addition, for OU-1/OU-2, comparisons are made between the current (Q2 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 Q2 2010 for each OU (OU-1 through OU-4) are provided on the following tables:

OU-1

- **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 Q2 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 Q2 2010 groundwater analytical results for monitoring wells located in OU-1 that were analyzed for the expanded list of VOCs for each compound detected.

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 Q2 2010 groundwater analytical results for monitoring wells located in OU-2 for each compound detected during the Q2 2010 sampling event.
- **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 Q2 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 Q2 2010.

- **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 Q2 2010. The table is set up to include wells for all of the existing oxygen injection systems; however, many of the wells installed to monitor the new systems do not have sufficient data to evaluate concentration trends. Future quarterly OM&M reports will evaluate the trends for these wells.
- **Table 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 Q2 2010. The table is set up to include wells for all of the existing oxygen injection systems; however, many of the wells installed to monitor the new systems do not have sufficient data to evaluate concentration trends. Future quarterly OM&M reports will evaluate the trends for these wells.

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 Q2 2010 groundwater analytical results for monitoring wells located in OU-3 for each compound detected during the Q2 2010 sampling event.
- **Table 4-19 OU-3 Summary of Expanded Groundwater Analytical Results** – provides the Q2 2010 groundwater analytical results for monitoring wells located in OU-3 for each compound detected during the Q2 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 Q2 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 Q2 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 Q2 2010 groundwater analytical results for monitoring wells located in OU-4 for each compound detected for each of the sampling rounds performed in Q2 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 (OU-1 through OU-4) were used to generate the following figures and appendices:

- **Figure 14 Water Table Groundwater BTEX Iso-Concentration Map (0-10 Feet bgs)** – Q1 2009/Q2 2010 Data – depicts the horizontal extent of total BTEX in the water table portion of the upper glacial aquifer.
- **Figure 15 Intermediate Groundwater BTEX Iso-Concentration Map (10-50 Feet bgs)** – Q1 2009/Q2 2010 Data – depicts the horizontal extent of total BTEX in the 10 to 50-foot depth zone of the upper glacial aquifer.
- **Figure 16 Deep Groundwater BTEX Iso-Concentration Map (Below 50 Feet bgs)** – Q1 2009/Q2 2010 Data – depicts the horizontal extent of total BTEX in the deeper than 50-foot depth zone of the upper glacial aquifer.
- **Figure 17 Water Table Groundwater PAH Iso-Concentration Map (0-10 Feet bgs)** – Q1 2009/Q2 2010 Data – depicts the horizontal extent of total PAH in the water table portion of the upper glacial aquifer.
- **Figure 18 Intermediate Groundwater PAH Iso-Concentration Map (10-50 Feet bgs)** – Q1 2009/Q2 2010 Data – depicts the horizontal extent of total PAH in the 10 to 50-foot depth zone of the upper glacial aquifer.
- **Figure 19 Deep Groundwater PAH Iso-Concentration Map (Below 50 Feet bgs)** – Q1 2009/Q2 2010 Data – depicts the horizontal extent of total PAH in the deeper than 50-foot depth zone within the upper glacial aquifer.
- **Appendix F – Time Series Plots of Analytical Results for Groundwater Monitoring Wells** – presents time series plots of historical concentrations in groundwater monitoring wells.

- **Appendix G – Distribution of pH Values in Groundwater** – 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 13, 45, 3 and 20 wells, respectively, in Q2 2010. pH readings in OU-1 through OU-4 wells were above 7.0 SU in 16, 2, 12 and 2 wells, respectively, in Q2 2010. The data presented in **Appendix G** are field screening values obtained during groundwater sampling activities.

4.1 Operable Unit 1/Operable Unit 2

4.1.1 Total BTEX and Total PAH Composite Plume

Figure 1 includes the Q2 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 on **Figure 1** for comparison are the outlines of the Baseline Q1 2009 Plume and the historical 2004 RI plume.

In comparison to the historical plume, the Q2 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 1**). The changes from the 2004 outline to the current Q2 2010 plume outline are summarized as follows:

- The downgradient edge of the plume does not extend to Lawrence Creek, and ends at the Manatuck Lane oxygen injection line.
- The plume is better defined in the northern section of OU-1. This was established by the installation of groundwater monitoring wells installed to replace monitoring wells abandoned during the excavation activities associated with Phase II remedial actions and to provide background data and monitor the effectiveness of the planned OU-1 Phase III remediation.
- The plume is considerably narrower in the mid-plume and downgradient area.
- 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 configuration adjacent to the western edge of the barrier wall has been slightly reduced. This reduction is due to the installation of additional monitoring wells in the area resulting in better definition of the plume outline in the area. It is anticipated that further reductions to the plume will be evident in subsequent quarters 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. The OZMW-22 monitoring well cluster which was present in the area was abandoned in advance of the source material 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 sampled in Q2 2010.

The composite Q2 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 200 feet in width. The western section averages approximately 250 feet in width in its upgradient portion and continues downgradient to the Manatuck Lane oxygen injection line, greatly narrowing in the vicinity of the Cooper Lane and 33 North Clinton oxygen injection lines in the mid-plume area. As depicted, the plume narrows to approximately 50 feet in the area and may, in fact, separate. There are no monitoring wells located in the immediate vicinity to confirm the potential separation. Downgradient of the Cooper Lane oxygen injection system, the plume averages approximately 175 feet in width. The third and fourth sections of the plume located downgradient of the central portion of the Cooper Lane and 33 North Clinton Avenue oxygen injection lines and are much smaller, defined by concentrations in one and two wells, respectively.

4.1.2 Current (Q2 2010) Plume Configuration and Comparison to Q1 2009 Baseline Plume

The distribution of total BTEX and total PAH concentrations, within the upper glacial aquifer for Q2 2010, is presented on **Figures 14** through **16** and **Figures 17** through **19**, respectively. The horizontal distribution of the constituent groups in each map is depicted as lines of equal concentration (iso-concentration lines). The iso-concentration lines were generated using a combination of applied methods. Initially, the lines were created by direct graphical interpolation between concentrations. These lines were then modified to factor in groundwater flow, taking into account the southeasterly flow direction and the low transverse dispersion of the upper glacial aquifer, 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 Groundwater Monitoring Well Program implemented during Q3 2009. One objective of these programs was to obtain data for evaluating further remediation of the area.

In the following sections, comparisons are presented between the composite Q1 2009 Baseline Plume and the current composite plume, followed by a description of the current plume for total BTEX and total PAH for each groundwater horizon. Finally, a comparison is made between the current plume configuration and the Q1 2009 Baseline Plume for total BTEX and total PAH for each of the groundwater depth horizons.

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 on **Figures 3** through **10** and the complete set of graphs is provided in **Appendix F**. The statistical analytical trends for total BTEX are provided in **Tables 4-12** and **4-14** for OU-1 and OU-2, respectively.

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 comparison of the composite plumes from the baseline Q1 2009 to the Q2 2010 plume, as well as descriptions of the individual depth horizons for total BTEX and total PAH, and comparisons between the baseline plume and the current Q2 2010 plume is provided below.

4.1.2.1 Composite Plume Comparison

In comparison to the composite Baseline Q1 2009 Plume, the composite Q2 2010 plume is slightly smaller in size (see **Figure 1**). Significant changes to the overall outline of the composite plume from the pre-remediation depiction include:

- The internal configuration of the plume within the upper glacial aquifer has been divided in OU-1 continuing downgradient into OU-2, as well as in the mid-plume area. The eastern section of the plume extending from OU-1 begins outside the barrier wall and extends approximately 100 feet downgradient of the 33 North Clinton Avenue oxygen injection line. This section is slightly wider on the eastern edge in the upgradient portion of OU-2. This widening is defined by a total BTEX concentration in a single well, OU2MW-17I.
- An additional section of the plume located within the outline of the Baseline Q1 2009 Plume, is present on the eastern side of the mid-plume area.
- Narrowing of the plume in areas where the plume is still present from the mid-plume to the downgradient area.
- The plume is better defined in the northern section of OU-1, largely the result of additional monitoring points.

4.1.2.2 Total BTEX Groundwater Horizon Descriptions and Comparisons

Shallow Zone

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 14**), these impacts mainly

extend across the central and southern portions of OU-1. As previously noted, OU-1 groundwater impacts are better defined in Q2 2010 as a result of the installation of new monitoring wells in Q3 2009. The groundwater plume configuration indicates that the impacts are associated with two separate source areas within OU-1.

The plume inside the barrier wall is treated as it exits the perforated section of the subsurface barrier wall. Concentrations range up to 3,341 ug/L at BMW-39S in the eastern section of the plume and up to 9,280 ug/L at BMW-22S in the western 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.

The 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 sampled in Q2 2010. Concentrations in the shallow wells in these clusters in Q2 2010 were 3,477 ug/L and 2,082 ug/L, respectively. It is anticipated that samples collected in these wells in subsequent quarters will show reductions as a result of the upgradient excavation and the operation of the oxygen injection system (OU2MW-57).

Downgradient in OU-2, concentrations exceeding 100 ug/L were limited to monitoring wells BMW-23S with a concentration of 11,441 ug/L, and OU2MW-43S with a concentration of 118 ug/L. The concentrations in well BMW-23S, located approximately 75 feet downgradient of the OU-1/OU-2 boundary have historically varied, but are generally trending downward. Concentrations in monitoring well OU2MW-43S, installed in Q4 2009, have fluctuated from a high of 963 ug/L in Q4 2009 to a low of 1 ug/L in Q1 2010.

Differences between the current shallow total BTEX plume and the corresponding Baseline Q1 2009 Plume are as follows (see **Figure 14**):

- The Q2 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 Q2 2010 plume ends approximately 450 feet downgradient of the same boundary.
- The shallow BTEX plume is better defined in OU-1, and is now comprised of two sections. The further definition of the plume in OU-1 was accomplished by the installation of new monitoring wells in Q3 2009.

- 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 OU-1. 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 Q2 2010 there was only one well with a concentration exceeding 10,000 ug/L, BMWW-23S with a concentration of 11,441 ug/L.

Graphical evidence for the reduction in length and intensity of the plume is evident in the mid-plume area in wells downgradient of the Cooper Lane and 34 North Clinton Avenue oxygen injection lines. Decreasing graphical trends were identified in wells OU2MW-21S, OU2MW-43S, OU2MW-45S, OU2MW-46S and OU2MW-47S. Monitoring wells BMWW-24S and OU2MW-26S, located downgradient of the 34 North Clinton Avenue oxygen injection line, and BMWW-02S, OU2MW-20S and OU2MW-44S, located downgradient of the Cooper Lane oxygen injection line have remained near or below detection levels throughout the system operational period. In addition, concentrations in monitoring well OU2MW-27S, installed in Q4 2009, have been below detection levels in the three sampling events conducted.

Decreasing graphical trends at OZMW-17S and OZMW-18S provide evidence of the reduction in plume width at the OU-1/OU-2 boundary. Graphical evidence exists for the reduction in concentrations (10,000 ug/L contour) in the southern section of OU-1 and the upgradient section of OU-2. Decreasing graphical trends were identified for monitoring wells BMWW-22S and MW-05S in OU-1, as well as BMWW-23S in OU-2, where the Q2 2010 concentration (11,441 ug/L) was above 10,000 ug/L, but has been generally decreasing since Q1 2008. Furthermore, decreasing graphical trends were identified for monitoring wells OZMW-23S and OZMW-24S, which are located downgradient of the ozone injection system. These wells were initially sampled prior to system startup and an additional 15 times, thereafter, in Q4 2009, followed by monthly sampling through Q2 2010.

Statistical evidence of the reductions to the plume is also available (see **Table 4-12** and **4-14**). Excluding the upgradient wells in OU-1, decreasing statistical trends of total BTEX in the 22 shallow wells reviewed in OU-1 and OU-2 were identified in 10 wells while no increasing trends were identified. All of the remaining wells in OU-1 and OU-2 were identified as having no discernable trend according to the Mann-Kendall analysis. A review of Mann-Kendall results for shallow wells in OU-1 and OU-2 indicating no trend in total BTEX concentrations determined that all of the wells had a negative Mann-Kendall Statistic (S) associated with them.

The reduction in the length of the Q2 2010 plume can be directly attributed to 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 Union Boulevard oxygen injection system and the ozone injection system. Furthermore, 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.

Intermediate Zone

Remedial activities, including operation of the oxygen injection systems, have dissected the plume in the intermediate zone of the aquifer into seven sections, dividing the larger historical plume. These sections, while not continuous, extend from OU-1 downgradient to the Manatuck Lane oxygen injection line.

In OU-1, the intermediate total BTEX plume is divided into three sections, a western section existing outside the barrier wall, a main section behind the barrier wall, and an eastern section present outside the eastern edge of the barrier wall. The eastern and western section both extend into OU-2. The highest concentrations of total BTEX present in the intermediate zone of the aquifer (**Figure 15**) are primarily located within these three areas of OU-1. One concentration above 1,000 ug/L is present in each of these three sections with a maximum concentration of 4,716 ug/L in new monitoring well OU2MW-57I. The maximum total BTEX concentrations in the central and eastern sections in OU-1 were 2,714 ug/L and 1,332 ug/L in wells BMW-34I and OZMW-19I2, respectively.

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 100 feet downgradient of the 33 North Clinton Avenue oxygen injection line. Concentrations in this plume section range up to 799 ug/L in OU2MW-18I. This section of the plume will be remediated 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 (760 ug/L) and OU2MW-32I (2,554 ug/L). Prior to Q4 2009, this plume section was connected to the northern plume section. 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 is roughly defined by the 9 North Clinton Avenue oxygen injection line.

Three plume sections of the intermediate OU-2 plume exist on the western side of the historical plume area. The first section exists just downgradient of the Cooper Lane oxygen injection line and is characterized by a single concentration exceeding 100 ug/L at well OU2MW-20I (172 ug/L). The second western section begins downgradient of the 9 North Clinton Avenue oxygen injection line in the area of monitoring well clusters OU2MW-28 and OU2MW-29. This section extends approximately 500 feet to an area just downgradient of the western side of the Montauk

Highway oxygen injection line. The final section of the plume begins approximately 300 feet downgradient of the Montauk Highway oxygen injection line in the area of the OU2MW-03 cluster. This section extends downgradient approximately 850 feet to the Manatuck Lane oxygen injection line. The two sections of the downgradient plume are relatively narrow, averaging less than 150 feet in width, and are characterized by relatively low concentrations (below 500 ug/L).

Differences between the current intermediate total BTEX plume and the corresponding Baseline Q1 2009 Plume are as follows (see **Figure 15**):

- The Q2 2010 plume is no longer continuous from OU-1 downgradient to the Manatuck Lane oxygen injection line and currently is comprised of seven separate sections with large areas of the Baseline Q1 2009 plume now below 100 ug/L. The plume was comprised of four sections as recently as Q1 2010.
- 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.
- The area to the west of the barrier wall is slightly better defined in Q2 2010 than in the Q1 2009 depiction, this is due to the installation and sampling of a new monitoring well cluster (OU2MW-57). The source area 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 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 new well cluster, OU2MW-57 (S, I, and I2), located approximately 140 feet downgradient, were installed and sampled in Q2 2010. Concentrations in the intermediate wells in these clusters in Q2 2010 were 564 ug/L and 4,716 ug/L (OU2MW-57I), and non-detect (OU2MW-57I2), respectively. It is anticipated that samples collected from these wells in subsequent quarters will show reductions in these wells as a result of the upgradient excavation and the operation of the oxygen injection line (OU2MW-57).
- The concentrations detected throughout the Q2 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 Q2 2010, only one well, OU2MW-32I, had a detected concentration above 1,000 ug/L in the mid-plume area (2,554 ug/L). In Q1 2010, two wells in this area had concentrations exceeding 1,000 ug/L. The concentration in OU2MW-34I decreased to 760 ug/L in Q2 2010, which is the first concentration below 1,000 ug/L recorded in this well continuing a decreasing trend.

- Concentrations in well OU2MW-18I have been reduced to 799 ug/L in Q2 2010, down from a maximum 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 Q2 2010, likely resulting in a substantial reduction in the concentration levels. Excluding OU2MW-39I, the wells located immediately downgradient of the 33 North Clinton Avenue oxygen injection line all had concentrations below 100 ug/L in Q2 2010.
- The intermediate BTEX plume is better defined in OU-1, as a result of the installation of new monitoring wells in Q3 2009.

The split in the intermediate total BTEX plume downgradient of the 33 North Clinton Avenue oxygen injection line is supported by the graphical results of the wells in the area. In the intermediate depth zone in the area, concentrations of total BTEX exceeding 100 ug/L have typically been found in the shallower of the two wells in each cluster that is screened within the intermediate zone ("I" wells). Decreasing graphical trends were identified in eight of the eleven "I" wells located in this area. The exceptions include OU2MW-37I, where the concentrations have been varied and were below 100 ug/L in Q2 2010, as well as OU2MW-39I and OU2MW-42I, where the detected concentrations remain relatively low (<100 ug/L).

Graphical evidence also supports the division of the plume downgradient of the 34 North Clinton Avenue oxygen injection line. Decreasing graphical trends were identified in nine of the ten intermediate wells located downgradient of the system with historical total BTEX concentrations above 100 ug/L. An increasing trend was identified in monitoring well OU2MW-45I, however; the detected concentrations from the two monthly samples collected in Q2 2010 in April and May (49 ug/L and 62 ug/L, respectively) were well below the results from the three monthly samples collected in Q1 2010 suggesting that the trend may be reversing. Elevated concentrations in this area, located on the west side of the 34 North Clinton oxygen injection line, will be addressed with the planned installation of the oxygen injection line on the 29 Community Road property in Q4 2010.

Decreasing graphical trends for wells which were located within the 1,000 ug/L contour in Q1 2009 for intermediate zone total BTEX were also identified. Many of these were located downgradient of the 34 North Clinton Avenue oxygen injection line (discussed above) and the 9 North Clinton Avenue oxygen injection line. Excluding OU2MW-08I and OU2MW-32I, all of the intermediate zone wells downgradient of the 9 North Clinton Avenue oxygen injection line have exhibited decreasing trends. Concentrations in OU2MW-08I have been decreasing slightly, but have largely been inconsistent throughout the monitoring period ranging from 4 ug/L in Q4 2009 to 527 ug/L in Q1 2006. Overall, the concentrations in well OU2MW-32I have generally been decreasing since the startup of the 9 North Clinton oxygen injection line, but have been increasing since Q4 2009. The OU2MW-32 cluster is located just upgradient of the eastern edge of the 9 North Clinton oxygen injection line and appears to be affected by an area of impacted

groundwater that exists upgradient of the 9 North Clinton oxygen injection line on the eastern edge of the mid-plume area. This area of elevated concentrations has been effectively treated by the 9 North Clinton oxygen injection line as evidenced by the reduced concentrations downgradient of this area. Evidence of the reduction in width of the downgradient section of the plume is apparent in the decreasing graphical trends in wells BMW-25I, OU2MW-01S, OU2MW-01I, OU2MW-04S and OU2MW-04I.

Statistical evidence of the reductions to the plume is also available (see **Table 4-12** and **4-14**). Excluding the upgradient wells in OU-1, decreasing statistical trends of total BTEX in the 82 intermediate wells reviewed in OU-1 and OU-2 were identified in 43 wells while nine increasing trends were identified. All of the remaining wells in OU-1 and OU-2 were identified as having no discernable trend according to the Mann-Kendall analysis. Review of the data and Mann-Kendall results for wells indicating no trend in total BTEX concentrations established that approximately 65% of the wells had a negative Mann-Kendall Statistic (S) associated with them.

The reductions in concentrations, as well as extent and composition of the Q2 2010 intermediate total BTEX plume, can be attributed to the treatment systems currently operational throughout the axis of the plume.

Deep Zone

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 16**). The first section beginning in the south-central portion of OU-1 reaches a maximum width of approximately 100 feet before ending at the barrier wall. The second section of the plume begins just downgradient of the barrier wall and continues to approximately 150 feet downgradient of the OU-1/OU-2 boundary. Total BTEX concentrations in these areas range up to 1,893 ug/L in BMW-22D.

The downgradient section of the deep total BTEX plume OU-2 is defined by three wells, and extends approximately 700 feet, beginning downgradient of the 34 North Clinton Avenue oxygen injection line and ending downgradient of the 9 North Clinton Avenue oxygen injection line. The plume is relatively narrow in this area, averaging approximately 150 feet in width, with concentration ranging up to 980 ug/L in well OU2MW-26D.

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

- The plume is no longer continuous, it has been separated into three segments and does not extend as far downgradient as the Baseline Q1 2009 plume.

- Concentrations within the downgradient area of the plume have been reduced, as evidenced by the reduction of 500 ug/L contour. In Q1 2009, two wells, OU2MW-19D and OU2MW-47D had concentrations above 500 ug/L, while in Q2 2010 concentrations exceeding 500 ug/L were limited to OU2MW-26D (980 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-55D and OU2MW-56D.

The changes in the deep total BTEX plume in OU-2 can be observed in the graphical results of the wells in the area. Decreasing graphical trends in monitoring wells OU2MW-08I2, OU2MW-19D and OU2MW-47D, located downgradient of the 9 North Clinton Avenue, Cooper Lane and 34 North Clinton Avenue oxygen injection lines, respectively, as well as the slightly increasing trend at monitoring well OU2MW-26D, coincide with the changes to the iso-concentration figures detailed above.

Statistical evidence of the reductions to the plume is also available (see **Table 4-12** and **4-14**). Excluding the upgradient wells in OU-1, decreasing statistical trends of total BTEX in the 23 deep wells reviewed in OU-1 and OU-2 were identified in five wells, while increasing trends were also identified in five wells. All of the remaining wells in OU-1 and OU-2 were identified as having no discernable trend according to the Mann-Kendall analysis. Review of the data and Mann-Kendall results for wells indicating no trend in total BTEX concentrations established that approximately 50% of the wells had a negative Mann-Kendall Statistic (S) associated with them.

The changes to the plume can likely be attributed to the oxygen injection lines at Cooper Lane, 9 North Clinton Avenue and 34 North Clinton Avenue. The division in the plume (as currently shown) may also have been the result of the further definition of the plume through the installation of monitoring wells in the area, specifically OU2MW-43D and OU2MW-27D.

4.1.2.3 Total PAH Groundwater Horizon Descriptions and Comparisons

Shallow Zone

In comparison to the total BTEX concentrations in the water table portion of the aquifer, total PAH concentrations are generally lower, with a maximum concentration of 3,550 ug/L at OZMW-25S (**Figure 17**). The impacts are generally present within the south-central portion of OU-1, with the higher concentrations present in the southern section, behind the western portion of the barrier wall.

The groundwater plume in OU-1 is divided into two sections, one behind the central portion of the barrier wall, and another to the west of the barrier wall. 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. Total PAH were not detected at concentrations greater than 100 ug/L in

monitoring wells located immediately downgradient of 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 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 sampled in Q2 2010. Concentrations in the shallow wells in these clusters in Q2 2010 were 1,347 ug/L and 375 ug/L, respectively. It is anticipated that samples collected in these wells in subsequent quarters will show reductions as a result of the upgradient excavation and the operation of the oxygen injection system (OU2MW-57).

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. The OU-2 section of this plume is defined by one well, BMW-23S, with a concentration of 2,292 ug/L.

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

- The Q2 2010 shallow PAH 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 Q2 2010 plume ends approximately 250 feet downgradient of the same boundary.
- The shallow PAH plume is better defined in OU-1, as a result of the installation of new monitoring wells in Q3 2009.
- The length of the Baseline Q1 2009 Plume was largely defined by the concentrations in two wells BMW-01S (359 ug/L in Q1 2009) and OU2MW-21S (341 ug/L in Q1 2009). The concentrations in these wells were reduced to 63 ug/L and 13 ug/L, respectively, in Q2 2010. In addition, several new wells were subsequently installed within the area of the Q1 2009 plume, all of which were below 100 ug/L in Q2 2010.
- The area to the west of the barrier wall is slightly better defined in Q2 2010 than in the Q1 2009 depiction, this is due to the installation and sampling of a new monitoring well cluster (OU2MW-57). The source area 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 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 new well cluster OU2MW-57 (S, I, and I2), located approximately 140 feet downgradient, were installed and sampled in

Q2 2010. Concentrations in the shallow wells in these clusters in Q2 2010 were 1,347 ug/L and 375 ug/L, respectively. It is anticipated that samples collected from these wells in subsequent quarters will show reductions in these wells as a result of the upgradient excavation and the operation of the oxygen injection line (OU2MW-57).

Evidence of the reductions to the length of the shallow total PAH plume between Q1 2009 and Q2 2010 described above is present in the time series concentration plots. As noted above, the extension of the shallow total PAH plume to the mid-plume area in Q1 2009 was largely the result of concentrations in two wells, BMW-01S and OU2MW-21S. Decreasing graphical trends were identified for both of these wells in Q2 2010. BMW-01S and OU2MW-21S have been reduced from 359 ug/L and 341 ug/L to 63 ug/L and 13 ug/L, respectively, between Q1 2009 and Q2 2010.

Decreasing trends were also identified for wells downgradient of the 34 North Clinton Avenue oxygen injection line including OU2MW-46S and OU2MW-47S, where the concentrations have remained relatively low (below 100 ug/L). Reductions in total PAH concentrations in wells OU2MW-42S and OU2MW-43S, located downgradient of the 33 North Clinton Avenue and Cooper Lane oxygen injection lines, respectively, are also evident in concentration graphs. These wells were initially sampled in Q2 2009 and Q4 2009, respectively, and have shown the effects of each respective oxygen injection line with reductions in concentrations from 107 ug/L and 219 ug/L in each respective well to non-detect in both in Q2 2010.

In addition, a decreasing graphical trend was identified for monitoring well OZMW-23S, which is located immediately downgradient of the ozone injection system. Concentrations in monitoring well OZMW-24S, also located immediately downgradient of the ozone injection system, increased in the final two monthly sampling events of Q2 2010, but are generally trending downward. These wells were initially sampled prior to system startup and sampled an additional 15 times, thereafter, in Q4 2009, followed by monthly sampling in Q2 2010.

Statistical evidence of the reductions to the shallow total PAH plume also exists (see **Table 4-13** and **4-15**). Excluding the upgradient wells in OU-1, decreasing statistical trends of total PAH in the 25 shallow wells reviewed in OU-1 and OU-2 were identified in six wells, while two increasing trends were identified. All of the remaining wells in OU-1 and OU-2 were identified as having no discernable trend according to the Mann-Kendall analysis. Review of the data and Mann-Kendall results for shallow wells indicating no trend in total PAH concentrations established that approximately 88% of the wells had a negative Mann-Kendall Statistic (S) associated with them.

The reduction in length of the Q2 2010 plume is attributed to the oxygen injection lines at 34 North Clinton Avenue and Cooper Lane. Reductions in total PAH concentrations are present in wells immediately downgradient of the ozone injection system and the perforated section of the

subsurface barrier wall, with only one concentration greater than 100 ug/L (160 ug/L at OZMW-24S).

Intermediate Zone

Similar to total BTEX, the total PAH plume in the intermediate zone of the aquifer has been reduced 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 three plume sections. The main section of the plume begins in the central and south-central portion of OU-1, the second and third sections exist to the east and west of the subsurface barrier wall. The maximum concentrations in these areas are 6,469 ug/L (BBMW-22I), 2,632 ug/L (OZMW-19I), and 220 ug/L (OZMW-22I), respectively (**Figure 18**).

The three sections of the intermediate total PAH plume in OU-1 extend downgradient into OU-2. The central section of the plume beginning in OU-1 narrows greatly at the barrier wall with total PAHs only detected at concentrations greater than 100 ug/L in one of the six intermediate monitoring wells located immediately downgradient of the perforated section of the subsurface barrier wall.

The source area 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 sampled in Q2 2010. Concentrations in the intermediate wells in these clusters in Q2 2010 were 220 ug/L, 72 ug/L, and non-detect, respectively. It is anticipated that samples collected in these wells in subsequent quarters will show reductions as a result of the upgradient excavation and the operation of the oxygen injection system (OU2MW-57).

Downgradient of the perforated section of the barrier wall, the central and western plume sections merge in the area of the OU-1/OU-2 boundary. This combined plume section is relatively narrow averaging approximately 100 feet in width, and extends approximately 220 feet downgradient of the OU-1/OU-2 boundary, ending upgradient of the Cooper Lane and 33 North Clinton Avenue oxygen injection lines. This section of the plume is defined by a single concentration above 100 ug/L at BBMW-01I (904 ug/L).

The eastern section of the plume averages approximately 150 feet in width and ends approximately 100 feet downgradient of the 33 North Clinton Avenue oxygen injection line.

This section of the plume will be remediated by either the planned extension of the Union Boulevard oxygen injection line or by the 33 North Clinton Avenue oxygen injection line.

Two sections of the intermediate total PAH plume are present downgradient. The two intermediate total PAH plume sections roughly correspond to sections of the total BTEX plume described above with a few notable differences. The western and more downgradient section of the total PAH plume begins farther downgradient than the corresponding total BTEX section of the plume and is generally characterized by higher concentrations with three concentrations detected above 1,000 ug/L, with a maximum of 4,443 ug/L in OU2MW-28I2. Also of note, the western downgradient section of the intermediate total PAH plume has remained continuous from its starting point to Manatuck Lane, while the intermediate total BTEX plume has been divided downgradient of the Montauk Highway oxygen injection line. Similar to the corresponding total BTEX section of the plume, the eastern portion of the plume was characterized by concentrations in two well clusters OU2MW-32 (573 ug/L in OU2MW-32I and 578 ug/L in OU2MW-32I2) and OU2MW-34I (195 ug/L, non-detect in OU2MW-34I2); however, the total PAH concentrations were lower than the respective total BTEX concentrations in these wells.

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 18**):

- The Q2 2010 intermediate total PAH plume is no longer continuous from OU-1 downgradient to the Manatuck Lane oxygen injection line and currently is comprised of four separate sections with large areas of the Baseline Q1 2009 plume now below 100 ug/L.
- The area to the west of the barrier wall is slightly better defined in Q2 2010 than in the Q1 2009 depiction, this is due to the installation and sampling of a new monitoring well cluster (OU2MW-57). The source area 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 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 new well cluster OU2MW-57 (S, I, and I2), located approximately 140 feet downgradient, were installed and sampled in Q2 2010. Concentrations in the intermediate wells in these clusters in Q2 2010 were 220 ug/L and 72 ug/L (OU2MW-57I), and non-detect (OU2MW-57I2), respectively. It is anticipated that samples collected from these wells in subsequent quarters will show reductions in these wells as a result of the upgradient excavation and the operation of the oxygen injection line (OU2MW-57).
- Concentrations have been reduced relative to Q1 2009, as evidenced and the reductions in wells 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 88 ug/L, 41 ug/L, 5 ug/L, 5 ug/L, 2 ug/L and non-detect, 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 Q2 2010, a large section of the mid-plume area is now characterized by concentrations below 100 ug/L in Q2 2010, while in Q1 2009 much of this area was characterized by concentrations exceeding 1,000 ug/L.

- As previously discussed, the plume is better defined in OU-1, as a result of the installation of new monitoring wells in Q3 2009, and is now comprised of three sections in the intermediate zone, all of which extend into OU-2.
- The plume has been significantly narrowed in downgradient areas where segments of the plume still exist.

The division in the intermediate total PAH plume is consistent with the graphical results of the wells downgradient of the oxygen injection systems. In the intermediate depth zone downgradient of the 33 North Clinton Avenue oxygen injection line, concentrations of total PAH exceeding 100 ug/L have typically been found in the shallower of the two wells in each cluster that is screened within the intermediate zone ("T" wells). Decreasing graphical trends were identified in nine of the eleven "T" wells located in this area. The exceptions include OU2MW-34I, where the concentrations have remained relatively stable, and OU2MW-42I, where the detected concentrations have been increasing slightly, but have generally remained below 100 ug/L (excluding the February and March 2010 sampling results). An increasing trend was also observed for OU2MW-39I2, where the concentration has been generally increasing, but decreased in the April and June 2010 sampling events from a high of 671 ug/L in March 2010. Graphical evidence is also available of the division of the plume downgradient of the 34 North Clinton Avenue oxygen injection line. Decreasing graphical trends were identified in eight of the nine intermediate wells located downgradient of the system with historical total PAH concentrations above 100 ug/L. The exceptions included OU2MW-45I where the concentrations have decreased below 100 ug/L in Q2 2010 after increasing to 157 ug/L and 200 ug/L in the February and March 2010 sampling events, respectively.

Decreasing graphical trends were identified for all of the wells located downgradient of the 9 North Clinton Avenue oxygen injection line excluding OU2MW-28I2, where the concentrations have been varied. The concentrations in this well have been below 100 ug/L in five of the eight sampling events, but reached a maximum concentration of 4,433 ug/L in Q2 2010. Monitoring wells OU2MW-19I, OU2MW-19I2, OU2MW-43I, and OU2MW-43I2, located within the historical plume area and downgradient of the Cooper Lane oxygen injection line, also exhibit decreasing graphical trends. The concentration reductions in wells OU2MW-43I and OU2MW-43I2 have been significant, decreasing from 2,647 ug/L to non-detect and from 9,818 ug/L to 96 ug/L, respectively, between the first sampling event in Q4 2009 (November) and the Q2 2010 sampling event. The reductions in concentrations, particularly the elimination of the 5,000 ug/L

contour in OU-2, coincide with many of the decreasing graphical trends described above in the mid-plume area. The decreasing trends in OZMW-18I and OZMW-18I2 provide further evidence of the reduction of the 5,000 ug/L contour at the OU-1/OU-2 boundary. Evidence of the reduction in width of the downgradient section of the plume is apparent in the decreasing graphical trends in wells OU2MW-03S, OU2MW-04S, OU2MW-04I and OU2MW-05.

Statistical evidence of the reductions to the intermediate total PAH plume is also available (see **Table 4-13** and **4-15**). Excluding the upgradient wells in OU-1, decreasing statistical trends of total PAH in the 86 intermediate wells reviewed in OU-1 and OU-2 were identified in 53 wells while five increasing trends were identified. All of the remaining wells in OU-1 and OU-2 were identified as having no discernable trend according to the Mann-Kendall analysis. Review of the data and Mann-Kendall results for intermediate wells indicating no trend in total PAH concentrations established that approximately 75% of the wells had a negative Mann-Kendall Statistic (S) associated with them.

The fragmentation and reductions to the intermediate total PAH plume is likely a direct result of the oxygen injection lines currently operating throughout the axis of the plume.

Deep Zone

In the deep portion of the upper glacial aquifer zone, below a depth of approximately 50 feet, within OU-1/OU-2, the total PAH plume begins in OU-1, and extends approximately 1,800 feet from the OU-1/OU-2 boundary to the area just downgradient to the Montauk Highway oxygen injection line. The upgradient section of the plume in OU-1 is relatively narrow, averaging approximately 150 feet in width, with concentrations ranging up to 5,198 ug/L in monitoring well OZMW-24D.

Downgradient in OU-2, the plume greatly narrows in the vicinity of the Cooper Lane and 33 North Clinton Avenue oxygen injection lines. As depicted, the plume narrows to approximately 50 feet in the area and, may in fact, separate. There are no monitoring wells located in the immediate vicinity to confirm the potential separation. This narrowing continues to the area downgradient of the 34 North Clinton Avenue oxygen injection line, where the plume widens to approximately 200 feet. Concentrations above 1,000 ug/L in this section of the plume were limited to two wells, OU2MW-26D (2,232 ug/L) and OU2MW-30D2 (2,248 ug/L).

Excluding OU-1, which was further defined by the installation of new monitoring wells in Q3 2009, the overall outline of the Q1 2009 and Q2 2010 deep total PAH plumes are generally similar (see **Figure 19**). Changes to the plumes are described below:

- 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 Q2 2010 (248 ug/L) at BMW-01D and an increase at OZMW-18D between Q1 2009 (435 ug/L) and Q2 2010 (629 ug/L). Concentrations in these wells have increased, but are both within the historical concentration range.

- The configuration of the plume in the area of the intersection of Cooper Lane and North Clinton Avenue was better defined with the installation of new monitoring wells (specifically OU2MW-42D and OU2MW-43D), with the plume now likely extending slightly farther to the east, but reduced on the western side. As previously mentioned, the plume in this area may separate.
- The plume has been narrowed and better defined in the area downgradient of the 34 North Clinton Avenue oxygen injection line as result of 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 Q2 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 Q2 2010, only the concentration at well OZMW-24D (5,198 ug/L) 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 (2,232 ug/L) and OU2MW-30D2 (2,248 ug/L).
- The plume extends slightly farther downgradient in Q2 2010 compared to Q1 2009 as a result of the concentration increase in well OU2MW-01I2 (364 ug/L). Detections in this well have been sporadic and the Q2 2010 concentration is well within the historical concentration range.

The changes in the deep total PAH plume in OU-2 can be observed in the graphical results of the wells in the area. The slightly increasing trends from Q1 2009 to Q2 2010 in monitoring wells OZMW-18D and BMW-01D indicate a slight plume shape change as described above. Reductions to the 1,000 and 5,000 ug/L contours can also be identified graphically in wells OU2MW-19D and OU2MW-47D.

Statistical evidence of the reductions to the deep total PAH plume is also available (see **Table 4-13** and **4-15**). Excluding the upgradient wells in OU-1, decreasing statistical trends of total PAH in the 26 deep wells reviewed in OU-1 and OU-2 were identified in six wells while four increasing trends were identified. All of the remaining wells in OU-1 and OU-2 were identified as having no discernable trend according to the Mann-Kendall analysis. Review of the data and Mann-Kendall results for intermediate wells indicating no trend in total PAH concentrations established that approximately 81% of the wells had a negative Mann-Kendall Statistic (S) associated with them.

The reductions of concentrations in the plume are likely the result of the oxygen injection lines located throughout the axis of the plume. Specifically, the reductions on the western side of the

mid-plume beginning in the area of Cooper Lane and continuing downgradient approximately 350 feet, are likely the result of the Cooper Lane and 34 North Clinton oxygen injection lines. As evidence of this, the concentrations in wells downgradient of the Cooper Lane oxygen injection system including OU2MW-43D and OU2MW-19D decreased from 2,259 ug/L to 10 ug/L between Q4 2009 and Q2 2010, and from 1,862 ug/L in Q1 2009 to non-detect in Q2 2010, respectively. The concentration in well OU2MW-47D, located downgradient of the 34 North Clinton oxygen injection line decreased from 7,007 ug/L in Q1 2009 to 6 ug/L in Q2 2010.

4.2 Operable Unit 3

A summary of the remedial efforts 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 LIRR Excavation/Temporary Track Relocation IRMs were initiated in Q4 2009 and completed by Q2 2010.

4.2.1 Total BTEX and Total PAH Composite Plume

In comparison to the composite Baseline Q1 2009 Plume, the composite Q2 2010 plume has slightly decreased in size (see **Figure 1**). In contrast to Q1 2009 where detections exceeding 100 ug/L were limited to the shallow zone of the aquifer, detections of total BTEX in Q2 2010 were observed in both the shallow and intermediate zone of the aquifer. These BTEX detections in the intermediate zone were limited to three wells located in the mid to downgradient section of the plume and were relatively low (less than 500 ug/L). Similar to Q1 2009, concentrations exceeding 100 ug/L of total PAH are limited to the shallow zone of the aquifer, as discussed further below. Significant changes to the overall outline of the Q2 2010 composite plume from the Q1 2009 depiction are noted as follows:

- The plume in the Brightwaters Yard in the area north of the LIRR tracks is largely undefined in Q2 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 Q2 2010 composite plume is shorter in length than the Baseline Q1 2009 composite plume, ending approximately 100 feet farther upgradient and is also narrower in the area of Community Road.
- Two limited areas of the current plume were not present in Q1 2009. These sections are located downgradient and are defined by detections above 100 ug/L in three intermediate wells. The total BTEX concentration in monitoring well MWBS-02I (107 ug/L), located near the downgradient edge of the plume, was only slightly above 100 ug/L and within the historical concentration range for this well. The two remaining wells, OU3MW-03I (132 ug/L) and OU3MW-04I (336 ug/L) which comprise the other section of the current total BTEX intermediate plume are located approximately 150 feet

downgradient of Union Boulevard. These two wells were installed subsequent to the Q1 2009 sampling event and were first sampled in Q3 2009.

Similar to OU-1/OU-2, 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 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

Concentrations of total BTEX above 100 ug/L in OU-3 in Q2 2010 were limited to the shallow and intermediate groundwater zones. Concentrations of total PAH in OU-3 in Q2 2010 above 100 ug/L in OU-3 were confined to the shallow groundwater zone. A description of the current plume configuration and a comparison of total BTEX and total PAH in the affected zones between Q1 2009 and Q2 2010 are provided below.

4.2.2.1 Total BTEX Groundwater Horizon Descriptions and Comparisons

Shallow Zone

As depicted in **Figure 14**, the shallow total BTEX concentrations greater than 100 ug/L in Q2 2010 were primarily detected north of the southern edge of Union Boulevard and in the area south of the LIRR tracks. The plume is a maximum of approximately 400 feet in length and extends approximately 160 feet laterally at its widest point. Concentrations range up to 18,100 ug/L in monitoring well MW-82.

The current plume is a maximum of approximately 400 feet in length and extends approximately 160 feet laterally at its widest point. In comparison to the Baseline Q1 2009 Plume, the extent of total BTEX concentrations above 100 ug/L for Q2 2010 is slightly smaller in size, with both the northern and southern ends being shorter in length. The northern end is shorter than the corresponding Q1 2009 plume due to the abandonment of many monitoring wells in the area in Q3 2009, as stated above. The southern end is narrower and shorter, due to reduction in concentrations at wells in the area, particularly MW-34S and MW32W/W-R south of Union Boulevard.

Concentrations have also decreased between Q1 2009 and Q2 2010. The Baseline Q1 2009 Plume was comprised of two areas of elevated concentrations (above 1,000 ug/L), a northern area beginning in the downgradient Brightwaters Yard extending to north of Community Road, with a maximum concentration of 55,200 ug/L in well MW-80 (in wells existing in both Q1 2009 and Q2 2010), and a southern area in the vicinity of the Union Boulevard oxygen injection line with a maximum concentration of 3,636 ug/L in well MW-34S. In Q2 2010 concentration

levels have decreased significantly in the location of the two areas identified in Q1 2009. The maximum concentration detected in Q2 2010 in the northern area has decreased to 18,100 ug/L in well MW-82, while only one concentration was detected above 1,000 ug/L in the location of the Q1 2009 southern area (1,135 ug/L in well MW-46W/W-R).

As depicted on the figures presented in **Appendix F**, graphical decreases in total BTEX concentrations in wells in the northern section of the plume coinciding with the reduction in concentrations described above were identified in wells MW-79 and MW-80. Slightly increasing trends since Q1 2009 were identified with wells MW-73, MW-81 and MW-82; however, the trends in these three wells over the entire historical monitoring period are decreasing. Furthermore, the Q2 2010 concentrations in wells SV-02 and SV-03 were 212 ug/L and non-detect, representing significant reductions from historical highs of 92,300 ug/L and 33,200 ug/L, respectively. Graphical decreases in the southern section of the plume, south of Union Boulevard were identified in MW-34S, MW-32W/W-R, MW-45W and MW-70/70S, several of which coincide with the reduction of concentrations or reduction to the plume area. An increasing graphical trend was identified for MW-46W/W-R, where the concentration increased from 525 ug/L to 1,135 ug/L between Q1 2009 and Q2 2010.

Intermediate Zone

The extent of total BTEX concentrations greater than 100 ug/L in Q2 2010 is limited to two areas in the mid and downgradient section of the historical plume area (see **Figure 15**). As discussed above, these plume sections are defined by detections above 100 ug/L in three wells. The mid-plume section is defined by two wells, OU3MW-03I (132 ug/L) and OU3MW-04I (336 ug/L) and are located approximately 150 feet downgradient of Union Boulevard. These two wells were installed subsequent to the Q1 2009 sampling event. The downgradient section of the plume is comprised of a single detection above 100 ug/L, in monitoring well MWBS-02I. The Q2 2010 detection in this well (107 ug/L) was only slightly above 100 ug/L and was within the historical concentration range for this well.

As presented in **Appendix F**, graphical trends in total BTEX concentrations in intermediate wells coincided with the changes detailed above.

Statistical evidence of the reductions in BTEX concentrations in groundwater coinciding with the changes noted above (in both shallow and intermediate wells) also exists (see **Table 4-20**). Decreasing statistical trends were identified in approximately 71% of the wells reviewed. No trends were identified in the remaining six wells. It is noted that all of the six wells identified as having no statistical trend, had negative statistical parameters associated with them indicating decreasing trends.

4.2.2.2 Total PAH Groundwater Horizon Descriptions and Comparisons

Concentrations of total PAH in OU-3 in Q1 2009 and Q2 2010 above 100 ug/L in OU-3 were confined to the shallow groundwater zone (**Figure 17**). In Q2 2010, elevated total PAH concentrations were limited to three detections above 100 ug/L, with the maximum total PAH concentration of 1,169 ug/L in monitoring well MW-73, located between the LIRR tracks and Community Road.

In comparison to the Baseline Q1 2009 Plume in the area between the LIRR tracks and Community Road, the Q2 2010 plume is smaller in size and has slightly higher concentrations than those observed in Q1 2009. In Q1 2009, the area of elevated PAH concentration was defined by one well (MW-80), while in Q2 2010 three wells (MW-73, MW-80 and MW-81) had detections above 100 ug/L. The maximum concentration in the area in Q1 2009 was 522 ug/L (MW-80) while in Q2 2010 the maximum concentration was 1,169 ug/L (MW-73).

In Q1 2009, PAH concentrations greater than 100 ug/L were detected in the southern area of the Brightwaters Yard, just north of the LIRR tracks and extending downgradient to approximately 60 feet south of the LIRR tracks. The total PAH concentrations in the Brightwaters Yard north of the LIRR tracks is largely undefined in Q2 2010, due to the abandonment of monitoring wells in the area in Q3 2009. In Q1 2009, the maximum total PAH concentration detected was 2,797 ug/L in PDMW-02, which was located north of the LIRR tracks and has since been abandoned. In the area south of Community Road, there were no detections of total PAH above 100 ug/L in either Q1 2009 or Q2 2010.

As presented in **Appendix F**, graphical trends in total PAH concentrations in wells in OU-3 coincided with the changes to the plume described above. Increasing trends were identified in MW-73 and MW-81. The Q2 2010 concentrations in these wells were within the historical concentration range for each well. A slightly decreasing trend was identified in monitoring well MW-80, where the concentration has decreased from 568 ug/L in Q1 2009 to 321 ug/L in Q2 2010.

Decreasing statistical trends in PAH concentrations in groundwater were identified in approximately 71% of the wells reviewed (see **Table 4-21**). No trends were identified in the remaining six shallow wells. It is noted that five of the six shallow wells identified as having no statistical trend, had negative statistical parameters associated with them indicating decreasing trends. The only well identified as having no statistical trend with a positive statistical parameter, was intermediate well MW-64, where the Q2 2010 concentration remained below detection levels.

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 Q2 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 Q2 2010 plume has increased in size (see **Figure 1**). Significant changes to the overall outline of the Q2 2010 area of impacted groundwater from the Q1 2009 depiction are noted as follows:

- The plume area in the OU-4 Cesspool Area in Q2 2010 at 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 Q2 2010, the extent of groundwater impacts are defined by monitoring well clusters WCMW-03, WCMW-04, WCMW-14, WCMW-16, WCMW-17, and WCMW-27. It is noted that monitoring well cluster WCMW-27 was not installed prior to S-ISCO injections and monitoring well cluster WCMW-11 was sampled in Q1 2009 and was not sampled in Q2 2010 due to property access issues.

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 on **Figures 14** through **16** 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 SVOCs but, most of the analytes detected in groundwater are PAHs, a subset of SVOCs. **Figures 17** through **19** 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 Q2 2010 is provided below. The total PAH concentration detected in each of the wells in Q1 2009 and Q2 2010 is presented in **Table 4-23** and the monitoring well locations are provided on **Figure 1**.

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.

As depicted in **Figure 17**, the area of total PAH concentrations greater than 100 ug/L in water table wells in Q2 2010 begins on the north side of Oak Street at WCWM-27S (total PAH concentration of 278 ug/L), and extends to the northern portion of the LIRR at WCMW-04S (total PAH concentration of 227 ug/L). The total PAH concentration detected in WCMW-17S (339 ug/L), located 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 Q2 2010.

Comparison of the total PAH distribution in water table wells in Q1 2009 to Q2 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). Wells located on the 22 Oak Street property, including WCMW-11S, were not sampled in Q2 2010 due to access issues. In Q2 2010, four water table wells had reported groundwater concentrations of total PAH above 100 ug/L (WCMW-04S, WCMW-16S, WCMW-17S and WCMW-27S). Upgradient well WCMW-27S was 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 (WCMW-16S) and south (WCMW-04S) from the Q1 2009 to the Q2 2010 sampling round.

Figure 18 illustrates the total PAH concentrations greater than 100 ug/L present in intermediate zone wells in Q1 2009 and Q2 2010. The extent and magnitude of PAH impacts in intermediate zone wells increased from Q1 2009 to Q2 2010. The extent of total PAH concentrations greater than 100 ug/L in wells screened in the intermediate zone in Q2 2010 extends from the central portion of the Cesspool Area, north of the LIRR, at well WCMW-17I (338 ug/L) southward across the LIRR (including WCMW-03I, 1,332 ug/L and WCMW-03I2, 535 ug/L) to well WCMW-14I (214 ug/L). These four 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-03I2 and WCMW-14I have increased

from 142 ug/L, below detection levels and 2 ug/L in Q1 2009 to 1,332 ug/L, 535 ug/L and 214 ug/L, respectively, in Q2 2010.

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 F**. 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 F** 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 nine monitoring wells (WCMW-01I, WCMW-05S, WCMW-11I, WCMW-12I, WCMW-14S, WCMW-14I, WCMW-16S, WCMW-16I, and WCMW-16I2), a decreasing trend in three monitoring wells, WCMW-03I, WCMW-04I and WCMW-11S, and no trend in the remaining 23 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 Q2 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 77 samples, including eight duplicates, collected during Q2 2010.
- **Table 5-2 - Analytical Ambient Air Results** – presents historic concentrations and data from 20 ambient air samples collected from ten monitoring locations during Q2 2010.
- **Appendix E - 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

Four samples (including one duplicate) were collected from three “OU1” series soil vapor points (OU1SG-06, OU1SG-07, and OU1SG-09) in Q2 2010. Eleven samples (including two duplicate samples) 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 and Q2 2010. Additionally, 15 ambient air samples were collected from five locations (OZAA-06 through OZAA-10) in Q2 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 Q2 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 Q2 2010, the concentrations detected at each soil vapor point were generally consistent with reported concentrations during the previous quarter, Q1 2010, with the exception of carbon disulfide in the sample collected on June 8, 2010 from OU1SG-07. Concentrations at OZ locations in OU-1 remained similar to previous sampling events with one exception. The concentration of pentane in the sample collected on May 17, 2010 from OZSV-01 was higher than previous sampling; however, the concentration returned to nondetect (ND) 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. Frequent detections (compounds detected in more than 30% of samples collected) have been

limited to low concentrations of 23 volatile organic compounds (VOCs): benzene, toluene, ethylbenzene, m,p-xylene, o-xylene, acetaldehyde, acetone, butane, 2-butanone, carbon tetrachloride, chloromethane, cyclohexane, dichlorodifluoromethane, ethanol, heptane, hexane, methylene chloride, pentane, 2-propanol, 1,1,2-trichloro-1,2,2-trifluoroethane, trichlorofluoromethane, trimethylbenzene and 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

Fifty six samples (including four duplicate samples) were collected from 34 soil vapor locations in OU-2 and five samples were collected from five ambient air locations in Q2 2010.

Additionally, one sample was collected from soil vapor location OU3SG-01 in Q2 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

Soil Vapor/Ambient Air Sample Areas	Soil Vapor/Ambient Sample IDs
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 OU2SG13 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 Q2 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 Q2 2010, the concentrations detected at each soil vapor point were generally consistent with previous sampling events with some exceptions:

- OU2SG-12 – Tetrachloroethene increased from 2.4 ug/m³ to 48 ug/m³ between Q1 2010 to Q2 2010.
- OU2SG-14 – Toluene decreased from 62 ug/m³ to 1.3 ug/m³ and pentane decreased from 2,500 ug/m³ to 2.3 ug/m³ between Q1 2010 to Q2 2010.
- OU2SG-33 – Acetone increased from 1.7 ug/m³ to 470 ug/m³, butane increased from 36 ug/m³ to 12,000 ug/m³, and toluene increased from 45 to 120 ug/m³ between Q1 2010 to Q2 2010.
- OU2SG-35 – n-dodecane increased from 60 ug/m³ to 290 ug/m³ between Q1 2010 to Q2 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 19 VOCs: benzene, toluene, ethylbenzene, m,p-xylene, o-xylene, acetaldehyde, acetone, butane, 2-butanone, carbon tetrachloride, chloromethane, dichlorodifluoromethane, ethanol, hexane, pentane, 2-propanol, 1,1,2-trichloro-1,2,2-trifluoroethane, trichlorofluoromethane, and 2,2,4-trimethylpentane.

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 (including one duplicate) were collected from soil vapor locations (OU4SV-1 through OU4SV-4) in Q2 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 injection 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 Q2 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 Q2 2010, concentrations were within the range of past values.

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

QUARTERLY OPERATIONS, MAINTENANCE & MONITORING REPORT
 SECOND QUARTER (Q2) 2010
 BAY SHORE/BRIGHTWATERS FORMER MGP SITE
 NATIONAL GRID USA
 SEPTEMBER 2010

Sample Date	Recent Precipitation Date	Magnitude of Precipitation (in./day)	Description of Significant Precipitation Events
6/3/2009	6/2/2009	0.05	June 2009 was a wetter than average month 7.71 in. recorded (normal 3.71 in.)
	6/3/2009	0.19	
	6/4/2009	0.67	
6/8/2009	6/5/2009	0.83	
6/16-6/17/2009	6/9/2009	0.84	
6/19/2009	6/12/2009	1.04	
	6/15/2009	0.12	
6/25/2009	6/18/2009	1.78	
	6/20/2009	0.62	
	6/21/2009	0.3	
7/9/2009	7/2/2009	0.18	July 2009 was a wetter than average month 6.42 in. recorded (normal 2.93 in.)
7/13/2009	7/3/2009	0.71	
	7/7/2009	0.84	
7/23/2009	7/8/2009	0.66	
	7/12/2009	0.17	
7/30/2009	7/21/2009	0.85	
	7/23/2009	2.23	
	7/26/2009	0.12	
	7/29/2009	0.05	
8/10/2009	8/10/2009	0.16	August 2009 was a dryer than average month 0.68 in. recorded (normal 4.48 in.)
8/12/2009	--	--	
8/18/2009	--	--	
8/25/2009	--	--	
8/26/2009	--	--	
9/15/2009	9/11/2009	0.69	September 2009 was a dryer than average month 2.65 in. recorded (normal 3.39 in.)
	9/15/2009	0.6	
9/21-9/23/2009	9/21-9/23/2009	0.06	
9/25/2009	9/25/2009	1.15	
9/29/2009	9/29/2009	0.06	
10/14/2009	10/7/2009	0.34	October 2009 was a wetter than average month 5.23 in. recorded (normal 3.63 in.)
	10/15/2009	0.61	
10/19/2009	10/18/2009	0.51	
10/23/2009	10/23/2009	0.09	
10/29/2009	10/24/2009	1.32	
10/30/2009	10/27/2009	0.17	
	10/28/2009	1.15	
	10/31/2009	0.13	
11/2/2009	11/12/2009	0.08	November 2009 was a dryer than normal month 2.93 in. recorded (normal 3.86 in.)
11/6/2009	11/13/2009	0.44	
11/9/2009	11/14/2009	0.64	
11/11/2009	11/15/2009	0.06	
11/16-11/20/2009	11/20/2009	0.75	
11/23/2009	11/27/2009	0.46	
11/24/2009	11/30/2009	0.41	

QUARTERLY OPERATIONS, MAINTENANCE & MONITORING REPORT
 SECOND QUARTER (Q2) 2010
 BAY SHORE/BRIGHTWATERS FORMER MGP SITE
 NATIONAL GRID USA
 SEPTEMBER 2010

Sample Date	Recent Precipitation Date	Magnitude of Precipitation (in./day)	Description of Significant Precipitation Events
12/4/2009	12/2/2009	0.19	December 2009 was a wetter than average month 8.69 in. recorded (normal 4.13 in.)
12/11/2009	12/3/2009	1.22	
12/14/2009	12/5/2009	0.91	
12/17/2009	12/9/2009	1.74	
12/18/2009	12/13/2009	1.14	
12/22/2009	12/19/2009	0.71	
12/28/2009	12/20/2009	1.25	
12/29/2009	12/25/2009	0.2	
12/30/2009	12/26/2009	0.79	
	12/27/2009	0.22	
	12/31/2009	0.27	
1/12/2010	--	--	January 2010 was a dryer than average month 2.3 in. recorded (normal 4.27 in.)
1/14/2010	1/17/2010	0.56	
1/18/2010	1/18/2010	0.12	
1/20/2010	--	--	
2/18/2010	2/16/2010	0.26	February 2010 was a wetter than average month 6.25 in. recorded (normal 3.33 in.)
2/19/2010	2/23/2010	0.88	
2/23/2010	2/24/2010	0.83	
2/25/2010	2/25/2010	2.42	
3/17/2010	3/12/2010	0.27	March 2010 was a wetter than average month 9.41 in. recorded (normal 4.76 in.)
3/18/2010	3/13/2010	2.42	
3/19/2010	3/14/2010	0.34	
3/20/2010	3/23/2010	0.36	
3/24/2010	3/26/2010	0.11	
3/25/2010	3/29/2010	2.66	
3/31/2010	3/30/2010	2.16	
	3/31/2010	0.07	
4/15/2010	4/9/2010	0.45	April 2010 was a dryer than average month 2.78 in. recorded (normal 4.13 in.)
5/17/2010	5/12/2010	0.36	May 2010 was a dryer than average month 2.85 in. recorded (normal 3.90 in.)
	5/14/2010	0.12	
6/7/2010	--	--	June 2010 was a dryer than average month 2.00 in. recorded (normal 3.71 in.)
6/8/2010	--	--	
6/9/2010	6/9/2010	--	
6/14/2010	6/14/2010	0.08	
6/16/2010	--	--	
6/21/2010	6/20/2010	0.32	
6/22/2010	6/22/2010	0.9	
6/25/2010	--	--	
6/29/2010	--	--	
6/30/2010	--	--	

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.

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Tables (compact disk only)

Tables also available at www.bayshoreworksmgp.com

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

NOTES:

ug/L - micrograms per liter or parts per billion (ppb)
cfu/mL - colony forming units per milliliter
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.

Hits only. Analytes are reported only if the compound was detected in the short or expanded analyte list for each respective OU during the Q2 2010 sampling timeframe.

-- not analyzed or not applicable

NE - not established

NA - not analyzed

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

Bolding indicates a detected concentration

Shading and bolding indicates that the detected concentration is above the NYS AWQS

J - estimated value

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

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

R - rejected

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

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

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

Date	DNAPL Thickness (feet)		DNAPL Removed	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
Total			339.05	

Notes:

1. DNAPL measurements were made using a dedicated tape. The smear of DNAPL on the tape is measured to determine DNAPL thickness.
2. Total volume calculated by multiplying the thickness by the cross-sectional area of the well. This is an estimate of the minimum volume removed.
3. DNAPL recovery operations were suspended during Q4 2009 due to construction activity on the site.
4. 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
Well I.D.:														
<i>NAPL Thickness (ft)</i>														
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
DNAPL:	3'													
BBRW - 01R														
DTW:	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
DNAPL:	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
LNAPL:	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'
RW - 03														
DTW:	8.4'	6.5'	NM	6.3'	6.6'	6.5'	6.0'	5.9'	6.3'		6.3'	6.3'	6.6'	6.7'
LNAPL:	NM	NM	NM	NM	NM	NM	NO*	NO*	NO*	NO ACCESS	NO*	NO*	NO*	NO*
DNAPL:	NO*	NO*	NO*	NM	NM	NM	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'
LNAPL:	NO*	NO*	NO*	NM	NO*	NM	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	NO*	NM	NM	NM	NO*	NM	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'
LNAPL:	NM	NO*	NO*	NM	NM	NM	NM	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	NO*	NM	NM	NM	NM	NM	NM	NO*	NO*	NO*	NO*	NO*	NO*	NO*
BBMW - 05D														
DTW:	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
DNAPL:	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
LNAPL:	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
BBMW - 20D														
DTW:	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
DNAPL:	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
LNAPL:	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

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	6/8/2007	6/15/2007	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
Well I.D.:														
<i>NAPL Thickness (ft)</i>														
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
DNAPL:														
BBRW - 01R														
DTW:	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
DNAPL:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
RW - 02														
DTW:	4.5'	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
DNAPL:	NM	5.5'	6.4'	4.7'	6.8'	5.0'	6.8'	6.5'	6.5'	6.5'	6.8'	6.5'	6.4'	7.0'
RW - 03														
DTW:	6.4'	6.7'	6.8'	6.7'	7.0'			7.2'						
LNAPL:	NO*	NO*	NO*	NO*	NO*	NO ACCESS	NO ACCESS	NO*	NO ACCESS	NO ACCESS	NO ACCESS	NO ACCESS	NO ACCESS	NO ACCESS
DNAPL:	NO*	NO*	NO*	NO*	NO*			NO*						
RW - 04														
DTW:	9.6'	9.9'	10.1'	10.0'	10.3'	10.5'	10.0'	10.1'	9.9'	10.1'	9.9'	10.2'	10.5'	10.4'
LNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	NO*	NO*	NO*	NO*	NO*	0.1'	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
RW - 05														
DTW:	8.0'	8.30'	8.5'	8.4'	8.7'	8.9'	8.4'	8.5'	8.3'	8.6'	8.3'	8.5'	8.9'	11.6'
LNAPL:	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*
BBMW - 05D														
DTW:	NM	NM	NM	NM	NM			11.2'	11.2'	11.1'	11.3'	11.1'	11.4'	11.6'
LNAPL:	NM	NM	NM	NM	NM	NO ACCESS		<0.1'	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	NM	NM	NM	NM	NM			NO*	<0.1'	<0.1'	<0.1'	<0.1'	<0.1'	NO*
BBRW - 06														
DTW:	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
DNAPL:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW - 20D														
DTW:	NM	NM	NM	NM	NM								10.1'	
LNAPL:	NM	NM	NM	NM	NM	NO ACCESS	NO ACCESS	NO ACCESS	NO ACCESS	NO ACCESS	NO ACCESS	NO ACCESS	NO*	NO ACCESS
DNAPL:	NM	NM	NM	NM	NM								NO*	
BBMW - 22D														
DTW:	NM	NM	NM	NM	NM	10.2'	10.0'	10.0'	9.9'	10.1'	9.9'	10.2'	10.4'	NO*
LNAPL:	NM	NM	NM	NM	NM	NO*	NO*	NO*	NO*	NO*	NO*	NM	NO*	NO*
DNAPL:	NM	NM	NM	NM	NM	5.5'	5.3'	5'	3'	5.5'	5.5'	6'	3'	5.0'

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	9/21/2007	9/28/2007	10/5/2007	10/11/2007	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
Well I.D.:														
<i>NAPL Thickness (ft)</i>														
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
DNAPL:														
BBRW - 01R														
DTW:	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
DNAPL:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
RW - 02														
DTW:	NM	NM	NO*	NM	NM	NM	NM	NM	NM	NO*	NO*	NM	NM	NM
LNAPL:	NM	NM	NO*	NM	NM	NM	NM	NM	NM	NO*	NO*	NM	NM	NM
DNAPL:	7.8'	7.0'	6.4'	7.2'	7.0'	6.6'	NM	7.0'	7.2'	6.5'	7.6'	6.5'	7.5'	5.6'
RW - 03														
DTW:	7.3'	7.4'	7.1'	7.6'	7.4'	7.4'	NO ACCESS	NM	7.5'	7.2'	7.0'	9.8'	7.5'	6.9'
LNAPL:	NO*	NO*	NO*	NO*	NO*	NO*		NM	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	NO*	NO*	NO*	NO*	NO*	NO*		NM	NO*	NO*	NO*	NO*	NO*	NO*
RW - 04														
DTW:	10.6'	10.65'	10.8'	10.5'	10.7'	10.7'	10.6'	NM	10.8'	10.6'	NM	10.1'	10.8'	10.2'
LNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NM	NM	NO*	NO*	NM	NO*	NO*	NO*
DNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NM	NM	NO*	NO*	NM	NO*	NO*	NO*
RW - 05														
DTW:	9.0'	6.1'	9.3'	9.3'	9.2'	9.15'	9.1'	NM	9.1'	9.0'	8.9'	8.9'	9.0'	8.6'
LNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NM	NM	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NM	NM	NO*	NO*	NO*	NO*	NO*	NO*
BBMW - 05D														
DTW:	11.8'	11.9'	11.8'	11.8'	11.9'	11.8'	11.9'	NM	12.0'	11.7'	11.4'	11.3'	12.0'	11.4'
LNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NM	NM	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NM	NM	<0.1'	NO*	NO*	NO*	NO*	NO*
BBRW - 06														
DTW:	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
DNAPL:	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	NO ACCESS	NO ACCESS	NO ACCESS	NO ACCESS	Well Damaged
DNAPL:														
BBMW - 22D														
DTW:	NO*	NO*	NO*	NM	NM	NM	NM	NO*	NM	NO*	10.2	10.0'	NO*	NO*
LNAPL:	NO*	NO*	NO*	NM	NM	NM	NM	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	5.2'	6.0'	5.0'	6.1'	6.0'	5.8'	NM	5.9'	6.5'	4.2'	6.6'	6.7'	6.5'	5.1'

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	1/11/2008	1/17/2008	1/25/2008	2/1/2008	2/8/2008	2/15/2008	2/22/2008	2/29/2008	3/7/2008	3/17/2008	3/21/2008	3/28/2008	4/3/2008	4/11/2008
Well I.D.:														
<i>NAPL Thickness (ft)</i>														
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
DNAPL:														
BBRW - 01R														
DTW:	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
DNAPL:	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	NO*
LNAPL:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NO*
DNAPL:	5.0'	6.8'	6.6'	7.3'	6.3'	6.1'	6.2'	7.2'	5.3'	6.0'	7.5'	5.0'	5.0'	6.0'
RW - 03														
DTW:	6.9'	6.7'	6.7'	6.98'	6.5'	6.8'	NM	6.3'	6.3'	6.0'	5.7'	6.1'	6.3'	6.24'
LNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NM	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NM	NO*	NO*	NO*	NO*	NO*	NO*	NO*
RW - 04														
DTW:	9.9'	10.0'	9.9'	10.1'	9.8'	9.1'	9.4'	9.6'	9.6'	9.3'	6.0'	9.4'	9.6'	9.5'
LNAPL:	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*
RW - 05														
DTW:	8.4'	8.4'	8.4'	8.6'	8.2'	7.4'	7.9'	9.0'	8.0'	9.0'	7.5'	7.8'	8.0'	7.9'
LNAPL:	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*
BBMW - 05D														
DTW:	11.2'	11.2'	11.1'	11.3'	10.9'	10.2'	10.6'	10.7'	10.8'	10.3'	10.2'	10.6'	10.8'	10.7'
LNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	coating (<1/8')	0.1'	0.01'	0.1'	NO*	Trace
BBRW - 06														
DTW:	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
DNAPL:	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
DNAPL:														
BBMW - 22D														
DTW:	9.9'	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	9.3'
LNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	5.0'	5.8'	5.0'	5.8'	5.8'	5.3'	5.7'	5.4'	5.4'	5.6'	4.9'	5.8'	7.3'	5.0'

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	4/18/2008	4/24/2008	5/2/2008	5/9/2008	5/16/2008	5/23/2008	5/30/2008	6/5/2008	6/13/2008	6/20/2008	6/27/2008	7/3/2008	7/14/2008	7/18/2008	
Well I.D.:															
<i>NAPL Thickness (ft)</i>															
RW - 01															
DTW:	Well Abandoned														
LNAPL:	Well Abandoned														
DNAPL:	Well Abandoned														
BBRW - 01R															
DTW:	NM														
LNAPL:	NM														
DNAPL:	NM														
RW - 02															
DTW:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NM	NM	NM	
LNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NM	NM	NM	
DNAPL:	6.8'	5.3'	6.6'	7.1'	5.5'	6.4'	6.6'	6.0'	5.5'	6.8'	5.3'	4.10'	5.10'	4.4'	
RW - 03															
DTW:	6.3'	6.7'	NO ACCESS	6.4'	6.4'	6.3'	NO ACCESS	6.25'	6.6'	6.6'	6.6'	6.92'	7.12'	7.24'	
LNAPL:	NO*	NO*		NO*	NO*	NO*		NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	NO*	NO*		NO*	NO*	0.1'		NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
RW - 04															
DTW:	9.6'	10.0'	9.4'	9.7'	9.7'	9.9'	9.7'	9.58'	9.8'	9.9'	9.9'	10.28'	10.38'	10.52'	
LNAPL:	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*	
RW - 05															
DTW:	8.1'	8.4'	8.0'	8.9'	8.1'	8.1'	8.1'	8.0'	5.2'	8.4'	8.2'	8.78'	8.76'	8.98'	
LNAPL:	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*	
BBMW - 05D															
DTW:	11.87'	10.3'	10.8'	11.0'	10.9'	10.9'	10.8'	10.7'	11.0'	11.2'	10.9'	11.56'	11.50'	11.73'	
LNAPL:	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'	NO*	NO*	NO*	0.01'	
BBRW - 06															
DTW:	NM														
LNAPL:	NM														
DNAPL:	NM														
BBMW - 20D															
DTW:	Well Damaged														
LNAPL:	Well Damaged														
DNAPL:	Well Damaged														
BBMW - 22D															
DTW:	NO*	NO*	9.3'	9.4'	9.7'	NO*	NO*	NO*	NO*	NO*	NO*	NM	NM	NM	
LNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NM	NM	NM	
DNAPL:	4.7'	5.1'	4.8'	4.1'	4.1'	5.6'	5.1'	4.0'	4.7'	5.6'	4.2'	4.8'	4.6'	4.9'	

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

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	10/29/2008	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	2/2/2009	2/6/2009
Well I.D.:														
<i>NAPL Thickness (ft)</i>														
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
DNAPL:														
BBRW - 01R														
DTW:	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
DNAPL:	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
LNAPL:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
DNAPL:	5.3	5.5	5.1	5.9	6.2	6.6	6.8	6.0	6.5	6.9	6.9	6.8	5.1	5.7
RW - 03														
DTW:	6.09	6.41	6.48	6.35	6.2	6.25	4.87	7.65	5.65	5.70	6.04	6.22	6.12	6.31
LNAPL:	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*
RW - 04														
DTW:	9.3	9.68	9.77	9.65	9.46	4.52	8.17	8.95	8.96	8.93	9.35	9.47	9.40	9.58
LNAPL:	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*
RW - 05														
DTW:	7.72	8.16	8.25	8.12	7.91	7.86	6.3	7.39	7.43	7.37	7.81	7.96	7.83	8.04
LNAPL:	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*
BBMW - 05D														
DTW:	10.48	10.87	10.96	10.83	10.61	10.73	9.2	10.12	10.14	10.00	10.57	10.68	10.58	10.77
LNAPL:	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*
BBRW - 06														
DTW:	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
DNAPL:	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
DNAPL:														
BBMW - 22D														
DTW:	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
DNAPL:	5.7	5.9	5.2	6.0	5.4	5.7	6.2	5.6	5.3	8.0	6.4	5.9	6.3	6.1

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	2/13/2009	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.:														
<i>NAPL Thickness (ft)</i>														
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
DNAPL:														
BBRW - 01R														
DTW:	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
DNAPL:	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
LNAPL:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
DNAPL:	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:	6.34	6.18	6.40	6.34	6.30	6.36	6.48	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
LNAPL:	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*	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
RW - 04														
DTW:	9.64	9.54	9.66	9.65	9.56	9.71	9.75	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
LNAPL:	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*	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
RW - 05														
DTW:	8.07	8.01	8.15	8.11	8.05	8.18	8.21	7.95	7.92	7.92	7.65	7.98	7.29	8.10
LNAPL:	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*
BBMW - 05D														
DTW:	10.82	10.72	10.86	10.82	10.75	10.87	10.96	10.39	10.64	10.61	10.96	10.66	9.98	10.82
LNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	NO*	NO*	NO*	NO*	NO*	0.1	0.05	0.10	0.10	0.10	0.10	0.10	0.10	0.10
BBRW - 06														
DTW:	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
DNAPL:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW - 20D														
DTW:	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
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
DNAPL:	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
BBMW - 22D														
DTW:	NM	5.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
LNAPL:	NM	NO*	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
DNAPL:	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
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
DNAPL:														
BBRW - 01R														
DTW:	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
DNAPL:	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
LNAPL:	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
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
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
DNAPL:														
RW - 05														
DTW:	7.72	7.69	6.98	7.09	7.19	7.55	7.75	NM	7.07	8.28	8.31	8.41	9.03	8.76
LNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NM	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NM	NO*	NO*	NO*	NO*	NO*	NO*
BBMW - 05D														
DTW:	10.49	10.42	9.77	9.82	9.89	10.24	10.45	10.70	9.84	10.77	9.92	11.12	11.39	12.46
LNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	0.10	NO*	0.10	0.10	0.10	0.10	0.10	0.10	0.10	NO*	NO*	NO*	NO*	0.10
BBRW - 06														
DTW:	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
DNAPL:	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
DNAPL:														
BBMW - 22D														
DTW:	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
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

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	9/11/2009	9/17/2009	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
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
DNAPL:														
BBRW - 01R														
DTW:	NM	NM	NM	NM	NM	NM	NM	10.3	10.4	10.2	10.2	9.7	9.3	9.6
LNAPL:	NM	NM	NM	NM	NM	NM	NM	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	NM	NM	NM	NM	NM	NM	NM	NO*	NO*	NO*	NO*	NO*	NO*	NO*
RW - 02														
DTW:	NM	NM	NM	NM	NM	NM	NM	NM	NM	8.8	NM	NM	NM	NM
LNAPL:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
DNAPL:	4.9	6.0	6.3	6.0	7.1	7.4	7.1	7.4	7.5	7.0	8.8	8.5	7.7	7.9
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
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
DNAPL:														
RW - 05														
DTW:	8.93	8.82	8.62	8.74	8.62	8.62	8.01	8.29	9.45	8.20	8.28	7.77	7.86	7.70
LNAPL:	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*
BBMW - 05D														
DTW:	11.62	10.15	10.18	10.30	10.12	10.16	9.58	9.89	10.00	10.75	9.85	9.35	8.94	9.46
LNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	Trace	NO*	Trace	NO*	Trace	Trace	Trace	Trace	Trace	0.10	Trace	NO*	NO*	NO*
BBRW - 06														
DTW:	NM	NM	NM	NM	NM	NM	NM	10.0	10.0	9.8	9.9	9.4	9.0	9.3
LNAPL:	NM	NM	NM	NM	NM	NM	NM	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	NM	NM	NM	NM	NM	NM	NM	NO*	Trace	Trace	0.2	0.3	0.2	0.1
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
DNAPL:														
BBMW - 22D														
DTW:	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.6	NM	NM	NM	NM
LNAPL:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
DNAPL:	4.7	4.5	4.9	4.8	4.9	5.1	5.4	4.9	4.9	3.2	4.6	4.9	5.0	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	12/23/2009	1/4/2010	1/8/2010	1/15/2010	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
Well I.D.:														
<i>NAPL Thickness (ft)</i>														
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
DNAPL:														
BBRW - 01R														
DTW:	9.7	9.1	9.8	10.0	10.0	9.7	10.1	10.2	10.0	8.3	9.2	9.6	9.2	9.3
LNAPL:	NO*	NO*	NO*	NO*	NM	NO*	NO*	NO*	NO*	NO*	NM	NM	NO*	NO*
DNAPL:	NO*	Trace	NO*	NO*	Trace	Trace	Trace	Trace	0.3	Trace	0.2	Trace	0.2	0.2
RW - 02														
DTW:	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
DNAPL:	8.1	7.3	9.5	9.1	7.5	8.0	NM	10.0	5.1	6.5	6.5	7.3	7.7	9.0
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
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
DNAPL:														
RW - 05														
DTW:	7.86	7.68	7.20	8.70	9.95	7.76	8.09	8.21	8.03	6.85	7.26	7.65	7.25	7.42
LNAPL:	NO*	NO*	NO*	NO*	NM	NM	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
BBMW - 05D														
DTW:	9.38	9.25	9.35	9.85	9.57	9.35	9.70	6.10	9.71	8.45	8.83	9.20	8.85	8.98
LNAPL:	NO*	NO*	NO*	NO*	NM	NM	NO*	NO*	NO*	NO*	NM	NO*	NO*	NO*
DNAPL:	NO*	NO*	NO*	Trace	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
BBRW - 06														
DTW:	9.2	9.3	9.5	9.7	9.4	9.4	9.8	9.9	9.7	8.5	9.9	9.3	5.9	9.0
LNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NM	NO*	NO*	NO*
DNAPL:	NO*	NO*	NO*	NO*	0.2	Trace	Trace	0.5	Trace	Trace	0.3	0.5	0.3	0.3
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
DNAPL:														
BBMW - 22D														
DTW:	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
DNAPL:	5.2	5.1	6.1	4.3	1.0	1.2	3.6	3.6	5.1	3.8	4.3	4.5	4.8	5.6

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	4/2/2010	4/9/2010	4/16/2010	4/23/2010	4/30/2010	5/7/2010	5/14/2010	5/21/2010	5/28/2010	6/4/2010	6/11/2010	6/18/2010	6/25/2010
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
DNAPL:													
BBRW - 01R													
DTW:	8.5	9.5	9.5	9.7	9.5	9.7	9.8	9.7	9.9	10.1	10.2	9.7	10.5
LNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NM	NO*	NO*	NO*	NO*
DNAPL:	0.3	0.3	0.3	0.3	0.4	0.4	0.2	0.4	0.2	0.2	0.1	0.2	0.2
RW - 02													
DTW:	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
DNAPL:	5.6	6.5	6.6	4.9	7.6	6.1	6.6	6.7	7.2	8.1	6.5	8.0	5.0
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
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
DNAPL:													
RW - 05													
DTW:	6.64	7.27	7.64	7.76	7.93	7.72	7.90	7.81	8.00	8.16	10.25	8.00	8.55
LNAPL:	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*
BBMW - 05D													
DTW:	8.20	9.85	9.19	9.30	9.45	9.31	9.42	9.32	9.61	9.78	8.20	9.36	10.14
LNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	NO*	NO*	NO*	NO*	NO*	0.2	NO*	NO*	Trace	Trace	NO*	Trace	Trace
BBRW - 06													
DTW:	8.2	9.9	9.2	9.4	9.1	9.4	9.5	9.4	9.7	9.8	9.9	9.4	10.2
LNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.6	0.5	0.6	0.6
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
DNAPL:													
BBMW - 22D													
DTW:	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
DNAPL:	4.1	5.1	5.4	5.5	5.1	5.5	5.4	5.5	5.3	5.5	5.1	5.5	5.5

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
Conductivity (mS/cm)													
OU2MW-48D	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-48I	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-48I2	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-48S	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49D	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49I	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49I2	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49S	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54D	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54I	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54I2	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54S	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-16D	OU-1 South	--	1.890	--	--	--	2.220	--	--	2.010	--	--	6.690
OZMW-16I	OU-1 South	--	--	--	--	--	0.725	--	--	0.938	--	--	0.630
OZMW-16I2	OU-1 South	0.296	--	--	--	--	0.509	--	--	0.812	--	--	0.999
OZMW-16S	OU-1 South	0.440	--	--	--	--	0.822	--	--	0.968	--	--	0.551
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
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
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
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
OZMW-18D	OU-1 South	--	1.760	--	--	--	1.580	--	--	1.790	--	--	4.100
OZMW-18I	OU-1 South	0.496	--	--	--	--	0.595	--	--	0.531	--	--	0.496
OZMW-18I2	OU-1 South	0.482	--	--	--	--	0.790	--	--	0.949	--	--	0.879
OZMW-18S	OU-1 South	0.405	--	--	--	--	0.826	--	--	0.678	--	--	0.675
Dissolved Oxygen (mg/L)													
OU2MW-48D	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-48I	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-48I2	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-48S	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49D	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49I	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49I2	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49S	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54D	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54I	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54I2	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54S	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-16D	OU-1 South	--	0.0	--	--	--	0.0	--	--	0.0	--	--	0.0
OZMW-16I	OU-1 South	--	--	--	--	--	20.0	--	--	20.0	--	--	20.0
OZMW-16I2	OU-1 South	0.0	--	--	--	--	1.4	--	--	0.0	--	--	0.0
OZMW-16S	OU-1 South	0.0	--	--	--	--	20.0	--	--	20.0	--	--	20.0
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
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
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
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
OZMW-18D	OU-1 South	--	0.0	--	--	--	0.0	--	--	0.0	--	--	0.0
OZMW-18I	OU-1 South	0.0	--	--	--	--	0.0	--	--	4.6	--	--	0.8
OZMW-18I2	OU-1 South	0.0	--	--	--	--	0.0	--	--	8.8	--	--	0.0
OZMW-18S	OU-1 South	0.0	--	--	--	--	17.4	--	--	20.0	--	--	9.4

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
Oxidation Reduction Potential (mV)													
OU2MW-48D	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-48I	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-48I2	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-48S	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49D	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49I	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49I2	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49S	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54D	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54I	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54I2	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54S	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-16D	OU-1 South	--	-48	--	--	--	73	--	--	43	--	--	83
OZMW-16I	OU-1 South	--	--	--	--	--	224	--	--	113	--	--	180
OZMW-16I2	OU-1 South	86	--	--	--	--	189	--	--	109	--	--	84
OZMW-16S	OU-1 South	-108	--	--	--	--	138	--	--	76	--	--	139
OZMW-17D	OU-1 South	--	13	36	17	-34	26	--	21	35	-38	-76	69
OZMW-17I	OU-1 South	-144	--	35	89	77	58	--	62	16	104	47	-23
OZMW-17I2	OU-1 South	110	--	106	127	122	179	--	144	114	149	51	107
OZMW-17S	OU-1 South	-137	--	144	58	76	42	--	49	-34	12	-28	-61
OZMW-18D	OU-1 South	--	-93	--	--	--	-109	--	--	-114	--	--	-64
OZMW-18I	OU-1 South	-168	--	--	--	--	-61	--	--	-46	--	--	-66
OZMW-18I2	OU-1 South	-54	--	--	--	--	-52	--	--	-25	--	--	-92
OZMW-18S	OU-1 South	-112	--	--	--	--	-40	--	--	0	--	--	31
pH													
OU2MW-48D	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-48I	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-48I2	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-48S	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49D	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49I	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49I2	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49S	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54D	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54I	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54I2	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54S	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-16D	OU-1 South	--	5.65	--	--	--	5.04	--	--	4.99	--	--	5.04
OZMW-16I	OU-1 South	--	--	--	--	--	5.54	--	--	5.86	--	--	6.14
OZMW-16I2	OU-1 South	5.25	--	--	--	--	5.08	--	--	5.37	--	--	5.46
OZMW-16S	OU-1 South	6.23	--	--	--	--	6.35	--	--	6.14	--	--	6.39
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
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
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
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
OZMW-18D	OU-1 South	--	5.83	--	--	--	6.14	--	--	5.71	--	--	5.91
OZMW-18I	OU-1 South	6.55	--	--	--	--	6.37	--	--	5.84	--	--	6.50
OZMW-18I2	OU-1 South	6.35	--	--	--	--	6.46	--	--	7.76	--	--	6.43
OZMW-18S	OU-1 South	6.34	--	--	--	--	6.25	--	--	5.78	--	--	6.38

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
Temperature (degrees Celcius)													
OU2MW-48D	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-48I	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-48I2	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-48S	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49D	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49I	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49I2	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49S	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54D	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54I	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54I2	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54S	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-16D	OU-1 South	--	12.6	--	--	--	13.6	--	--	15.6	--	--	13.3
OZMW-16I	OU-1 South	--	--	--	--	--	15.7	--	--	16.2	--	--	14.2
OZMW-16I2	OU-1 South	12.7	--	--	--	--	15.5	--	--	16.1	--	--	13.3
OZMW-16S	OU-1 South	11.0	--	--	--	--	18.4	--	--	18.9	--	--	14.3
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
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
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
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
OZMW-18D	OU-1 South	--	11.7	--	--	--	14.7	--	--	17.1	--	--	13.9
OZMW-18I	OU-1 South	11.9	--	--	--	--	16.6	--	--	17.6	--	--	14.8
OZMW-18I2	OU-1 South	12.5	--	--	--	--	15.7	--	--	23.5	--	--	14.1
OZMW-18S	OU-1 South	9.4	--	--	--	--	18.0	--	--	20.6	--	--	13.9

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	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09
Conductivity (mS/cm)												
OU2MW-48D	66 North Clinton	--	--	--	--	--	--	--	--	0.191	--	--
OU2MW-48I	66 North Clinton	--	--	--	--	--	--	--	--	0.325	--	--
OU2MW-48I2	66 North Clinton	--	--	--	--	--	--	--	--	0.379	--	--
OU2MW-48S	66 North Clinton	--	--	--	--	--	--	--	--	0.280	--	--
OU2MW-49D	66 North Clinton	--	--	--	--	--	--	--	--	0.073	--	--
OU2MW-49I	66 North Clinton	--	--	--	--	--	--	--	--	0.408	--	--
OU2MW-49I2	66 North Clinton	--	--	--	--	--	--	--	--	0.500	--	--
OU2MW-49S	66 North Clinton	--	--	--	--	--	--	--	--	0.335	--	--
OU2MW-54D	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54I	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54I2	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54S	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--
OZMW-16D	OU-1 South	--	--	2.100	--	--	1.130	--	--	0.386	--	0.445
OZMW-16I	OU-1 South	--	--	0.780	--	--	0.504	--	--	0.479	--	0.618
OZMW-16I2	OU-1 South	--	--	0.750	--	--	0.603	--	--	0.579	--	0.541
OZMW-16S	OU-1 South	--	--	0.710	--	--	0.450	--	--	0.569	--	0.487
OZMW-17D	OU-1 South	0.720	0.805	0.849	0.959	0.940	1.160	0.744	0.784	1.570	1.100	1.090
OZMW-17I	OU-1 South	0.672	0.717	0.607	0.690	0.688	0.489	0.481	0.487	0.656	0.566	0.565
OZMW-17I2	OU-1 South	0.366	0.350	0.392	0.857	0.558	0.360	0.346	0.373	0.502	0.405	0.358
OZMW-17S	OU-1 South	1.210	1.100	1.320	0.098	0.092	0.809	0.727	0.625	0.750	0.669	0.662
OZMW-18D	OU-1 South	--	--	2.020	--	--	1.590	--	--	1.610	--	1.480
OZMW-18I	OU-1 South	--	--	0.626	--	--	0.580	--	--	0.639	--	0.629
OZMW-18I2	OU-1 South	--	--	0.686	--	--	0.571	--	--	0.518	--	0.509
OZMW-18S	OU-1 South	--	--	1.300	--	--	0.567	--	--	0.403	--	0.466
Dissolved Oxygen (mg/L)												
OU2MW-48D	66 North Clinton	--	--	--	--	--	--	--	--	0.0	--	--
OU2MW-48I	66 North Clinton	--	--	--	--	--	--	--	--	0.0	--	--
OU2MW-48I2	66 North Clinton	--	--	--	--	--	--	--	--	0.0	--	--
OU2MW-48S	66 North Clinton	--	--	--	--	--	--	--	--	0.0	--	--
OU2MW-49D	66 North Clinton	--	--	--	--	--	--	--	--	0.0	--	--
OU2MW-49I	66 North Clinton	--	--	--	--	--	--	--	--	0.0	--	--
OU2MW-49I2	66 North Clinton	--	--	--	--	--	--	--	--	0.0	--	--
OU2MW-49S	66 North Clinton	--	--	--	--	--	--	--	--	0.0	--	--
OU2MW-54D	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54I	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54I2	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54S	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--
OZMW-16D	OU-1 South	--	--	0.0	--	--	0.0	--	--	0.0	--	0.0
OZMW-16I	OU-1 South	--	--	44.0	--	--	19.6	--	--	20.0	--	32.0
OZMW-16I2	OU-1 South	--	--	1.9	--	--	0.0	--	--	0.0	--	0.0
OZMW-16S	OU-1 South	--	--	32.0	--	--	16.9	--	--	20.0	--	25.0
OZMW-17D	OU-1 South	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
OZMW-17I	OU-1 South	0.0	1.8	26.0	14.0	13.0	9.4	16.0	15.0	20.0	15.0	15.0
OZMW-17I2	OU-1 South	0.0	0.0	2.2	0.0	0.0	2.0	2.0	6.0	4.0	1.0	2.0
OZMW-17S	OU-1 South	1.0	18.0	20.0	17.0	15.0	3.0	12.0	13.0	15.0	12.4	15.0
OZMW-18D	OU-1 South	--	--	0.0	--	--	0.0	--	--	0.0	--	0.0
OZMW-18I	OU-1 South	--	--	1.5	--	--	0.0	--	--	7.3	--	3.6
OZMW-18I2	OU-1 South	--	--	0.0	--	--	0.0	--	--	0.0	--	0.0
OZMW-18S	OU-1 South	--	--	31.0	--	--	19.8	--	--	16.8	--	16.0

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	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09
Oxidation Reduction Potential (mV)												
OU2MW-48D	66 North Clinton	--	--	--	--	--	--	--	--	59	--	--
OU2MW-48I	66 North Clinton	--	--	--	--	--	--	--	--	-104	--	--
OU2MW-48I2	66 North Clinton	--	--	--	--	--	--	--	--	-52	--	--
OU2MW-48S	66 North Clinton	--	--	--	--	--	--	--	--	-91	--	--
OU2MW-49D	66 North Clinton	--	--	--	--	--	--	--	--	26	--	--
OU2MW-49I	66 North Clinton	--	--	--	--	--	--	--	--	80	--	--
OU2MW-49I2	66 North Clinton	--	--	--	--	--	--	--	--	132	--	--
OU2MW-49S	66 North Clinton	--	--	--	--	--	--	--	--	-8	--	--
OU2MW-54D	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54I	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54I2	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54S	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--
OZMW-16D	OU-1 South	--	--	67	--	--	127	--	--	54	--	92
OZMW-16I	OU-1 South	--	--	121	--	--	207	--	--	94	--	202
OZMW-16I2	OU-1 South	--	--	31	--	--	86	--	--	20	--	59
OZMW-16S	OU-1 South	--	--	109	--	--	123	--	--	74	--	244
OZMW-17D	OU-1 South	7	24	79	55	61	80	103	-102	98	-42	70
OZMW-17I	OU-1 South	-85	-17	87	57	52	30	213	60	111	41	70
OZMW-17I2	OU-1 South	-10	53	94	157	104	120	189	-16	138	-73	140
OZMW-17S	OU-1 South	-23	46	70	78	62	-11	73	51	60	29	77
OZMW-18D	OU-1 South	--	--	-46	--	--	-32	--	--	-49	--	10
OZMW-18I	OU-1 South	--	--	-75	--	--	-42	--	--	-27	--	0
OZMW-18I2	OU-1 South	--	--	-132	--	--	-77	--	--	-152	--	-121
OZMW-18S	OU-1 South	--	--	64	--	--	168	--	--	58	--	121
pH												
OU2MW-48D	66 North Clinton	--	--	--	--	--	--	--	--	5.48	--	--
OU2MW-48I	66 North Clinton	--	--	--	--	--	--	--	--	5.74	--	--
OU2MW-48I2	66 North Clinton	--	--	--	--	--	--	--	--	6.08	--	--
OU2MW-48S	66 North Clinton	--	--	--	--	--	--	--	--	6.18	--	--
OU2MW-49D	66 North Clinton	--	--	--	--	--	--	--	--	5.68	--	--
OU2MW-49I	66 North Clinton	--	--	--	--	--	--	--	--	5.79	--	--
OU2MW-49I2	66 North Clinton	--	--	--	--	--	--	--	--	5.84	--	--
OU2MW-49S	66 North Clinton	--	--	--	--	--	--	--	--	5.93	--	--
OU2MW-54D	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54I	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54I2	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54S	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--
OZMW-16D	OU-1 South	--	--	4.62	--	--	4.98	--	--	5.12	--	5.21
OZMW-16I	OU-1 South	--	--	5.74	--	--	5.44	--	--	6.08	--	6.46
OZMW-16I2	OU-1 South	--	--	5.06	--	--	5.86	--	--	5.68	--	5.69
OZMW-16S	OU-1 South	--	--	5.86	--	--	6.41	--	--	6.57	--	6.56
OZMW-17D	OU-1 South	5.40	5.33	5.12	5.44	5.19	5.78	5.33	5.50	5.03	5.56	5.98
OZMW-17I	OU-1 South	6.82	6.57	6.19	6.31	6.33	6.70	6.36	6.48	6.14	6.83	6.33
OZMW-17I2	OU-1 South	5.92	5.80	5.62	5.81	5.90	5.92	5.93	6.10	5.66	6.41	5.04
OZMW-17S	OU-1 South	6.62	6.49	6.38	6.65	6.62	7.26	6.61	6.62	6.40	6.93	6.16
OZMW-18D	OU-1 South	--	--	5.27	--	--	6.52	--	--	5.83	--	6.55
OZMW-18I	OU-1 South	--	--	6.05	--	--	6.66	--	--	6.73	--	7.20
OZMW-18I2	OU-1 South	--	--	6.07	--	--	6.64	--	--	6.89	--	6.54
OZMW-18S	OU-1 South	--	--	5.86	--	--	5.80	--	--	6.23	--	6.18

Table 2-3
 Summary of Groundwater Parameter Data
 OU-1 Oxygen Injection Systems
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 Operable Unit No. 1 (OU-1)

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
Temperature (degrees Celcius)												
OU2MW-48D	66 North Clinton	--	--	--	--	--	--	--	--	16.0	--	--
OU2MW-48I	66 North Clinton	--	--	--	--	--	--	--	--	16.2	--	--
OU2MW-48I2	66 North Clinton	--	--	--	--	--	--	--	--	16.0	--	--
OU2MW-48S	66 North Clinton	--	--	--	--	--	--	--	--	20.0	--	--
OU2MW-49D	66 North Clinton	--	--	--	--	--	--	--	--	16.5	--	--
OU2MW-49I	66 North Clinton	--	--	--	--	--	--	--	--	16.9	--	--
OU2MW-49I2	66 North Clinton	--	--	--	--	--	--	--	--	15.6	--	--
OU2MW-49S	66 North Clinton	--	--	--	--	--	--	--	--	21.5	--	--
OU2MW-54D	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54I	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54I2	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54S	66 North Clinton	--	--	--	--	--	--	--	--	--	--	--
OZMW-16D	OU-1 South	--	--	12.4	--	--	14.3	--	--	15.3	--	13.8
OZMW-16I	OU-1 South	--	--	12.5	--	--	14.3	--	--	15.6	--	14.5
OZMW-16I2	OU-1 South	--	--	12.8	--	--	14.8	--	--	16.6	--	14.0
OZMW-16S	OU-1 South	--	--	10.6	--	--	15.0	--	--	18.4	--	15.1
OZMW-17D	OU-1 South	12.3	13.1	12.5	13.4	13.8	15.0	18.5	16.8	15.4	14.1	13.7
OZMW-17I	OU-1 South	12.5	13.7	13.0	13.0	13.6	15.1	16.7	17.0	16.4	14.9	14.7
OZMW-17I2	OU-1 South	12.4	13.0	12.3	13.5	13.8	15.5	18.1	17.2	17.0	14.5	14.3
OZMW-17S	OU-1 South	10.8	11.2	10.9	12.2	14.1	16.7	18.7	18.9	18.7	16.4	15.1
OZMW-18D	OU-1 South	--	--	13.0	--	--	14.2	--	--	16.1	--	13.7
OZMW-18I	OU-1 South	--	--	12.5	--	--	13.9	--	--	15.5	--	15.1
OZMW-18I2	OU-1 South	--	--	12.9	--	--	14.5	--	--	16.1	--	13.9
OZMW-18S	OU-1 South	--	--	10.6	--	--	14.5	--	--	18.4	--	15.8

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	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10
Conductivity (mS/cm)								
OU2MW-48D	66 North Clinton	0.164	--	0.164	--	--	0.093	--
OU2MW-48I	66 North Clinton	0.320	--	0.345	--	--	0.394	--
OU2MW-48I2	66 North Clinton	0.393	--	0.489	--	--	0.416	--
OU2MW-48S	66 North Clinton	0.294	--	0.246	--	--	0.330	--
OU2MW-49D	66 North Clinton	0.088	--	0.116	--	--	0.096	0.109
OU2MW-49I	66 North Clinton	0.489	--	0.686	--	--	0.304	0.359
OU2MW-49I2	66 North Clinton	0.365	--	0.338	--	--	0.248	0.287
OU2MW-49S	66 North Clinton	0.291	--	0.265	--	--	0.179	0.251
OU2MW-54D	66 North Clinton	--	--	0.308	--	0.270	--	--
OU2MW-54I	66 North Clinton	--	--	0.349	--	0.335	--	--
OU2MW-54I2	66 North Clinton	--	--	0.471	--	0.443	--	--
OU2MW-54S	66 North Clinton	--	--	0.364	--	0.612	--	--
OZMW-16D	OU-1 South	--	2.840	0.381	0.458	0.415	0.298	0.228
OZMW-16I	OU-1 South	--	0.576	0.638	0.870	0.626	0.570	0.659
OZMW-16I2	OU-1 South	--	0.620	0.408	0.506	0.383	0.412	0.618
OZMW-16S	OU-1 South	--	0.809	0.822	0.775	0.459	0.410	0.490
OZMW-17D	OU-1 South	1.040	1.070	0.999	1.140	1.140	0.910	0.692
OZMW-17I	OU-1 South	0.499	0.541	0.589	0.815	0.755	0.619	0.496
OZMW-17I2	OU-1 South	0.392	0.497	0.435	0.678	0.491	0.479	0.386
OZMW-17S	OU-1 South	0.760	0.999	0.766	0.999	0.715	0.686	0.492
OZMW-18D	OU-1 South	--	1.260	1.500	1.330	1.220	0.970	1.050
OZMW-18I	OU-1 South	--	0.557	0.872	0.856	0.580	0.561	0.689
OZMW-18I2	OU-1 South	--	0.502	0.425	0.502	0.335	0.291	0.445
OZMW-18S	OU-1 South	--	0.453	1.870	0.676	0.479	0.468	0.572
Dissolved Oxygen (mg/L)								
OU2MW-48D	66 North Clinton	0.0	--	0.0	--	--	0.0	--
OU2MW-48I	66 North Clinton	0.0	--	0.0	--	--	0.0	--
OU2MW-48I2	66 North Clinton	0.0	--	0.0	--	--	0.0	--
OU2MW-48S	66 North Clinton	0.9	--	0.0	--	--	11.2	--
OU2MW-49D	66 North Clinton	0.0	--	7.4	--	--	0.0	0.0
OU2MW-49I	66 North Clinton	0.0	--	0.0	--	--	24.0	30.0
OU2MW-49I2	66 North Clinton	0.0	--	3.1	--	--	0.0	0.0
OU2MW-49S	66 North Clinton	0.0	--	0.0	--	--	0.0	23.0
OU2MW-54D	66 North Clinton	--	--	1.7	--	0.0	--	--
OU2MW-54I	66 North Clinton	--	--	1.6	--	3.9	--	--
OU2MW-54I2	66 North Clinton	--	--	0.0	--	0.0	--	--
OU2MW-54S	66 North Clinton	--	--	0.0	--	0.0	--	--
OZMW-16D	OU-1 South	--	0.0	0.0	1.7	0.0	0.0	0.0
OZMW-16I	OU-1 South	--	32.0	40.0	36.0	30.0	28.0	30.0
OZMW-16I2	OU-1 South	--	2.7	3.1	0.0	0.0	0.0	0.0
OZMW-16S	OU-1 South	--	20.0	16.4	26.0	32.0	26.0	29.0
OZMW-17D	OU-1 South	1.0	0.0	0.0	0.0	0.0	0.0	0.0
OZMW-17I	OU-1 South	18.0	28.0	28.0	28.0	32.0	24.0	28.0
OZMW-17I2	OU-1 South	7.0	7.5	8.0	13.0	12.0	15.0	5.0
OZMW-17S	OU-1 South	20.0	17.2	17.0	18.0	19.0	19.0	20.0
OZMW-18D	OU-1 South	--	0.0	0.0	0.0	0.0	0.0	0.0
OZMW-18I	OU-1 South	--	14.0	20.0	20.0	21.0	23.0	26.0
OZMW-18I2	OU-1 South	--	3.0	9.0	8.2	10.0	1.7	8.3
OZMW-18S	OU-1 South	--	28.0	28.0	28.0	32.0	18.5	28.0

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	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10
Oxidation Reduction Potential (mV)								
OU2MW-48D	66 North Clinton	115	--	121	--	--	73	--
OU2MW-48I	66 North Clinton	85	--	261	--	--	150	--
OU2MW-48I2	66 North Clinton	145	--	95	--	--	105	--
OU2MW-48S	66 North Clinton	61	--	166	--	--	145	--
OU2MW-49D	66 North Clinton	45	--	163	--	--	77	33
OU2MW-49I	66 North Clinton	74	--	115	--	--	234	252
OU2MW-49I2	66 North Clinton	124	--	165	--	--	179	200
OU2MW-49S	66 North Clinton	-4	--	20	--	--	37	195
OU2MW-54D	66 North Clinton	--	--	101	--	83	--	--
OU2MW-54I	66 North Clinton	--	--	129	--	85	--	--
OU2MW-54I2	66 North Clinton	--	--	104	--	-7	--	--
OU2MW-54S	66 North Clinton	--	--	-120	--	-115	--	--
OZMW-16D	OU-1 South	--	97	106	115	-37	85	97
OZMW-16I	OU-1 South	--	351	192	16	90	193	220
OZMW-16I2	OU-1 South	--	60	121	61	32	57	-33
OZMW-16S	OU-1 South	--	161	152	131	108	191	171
OZMW-17D	OU-1 South	136	103	89	52	78	90	39
OZMW-17I	OU-1 South	297	172	139	115	120	110	187
OZMW-17I2	OU-1 South	157	190	144	137	50	146	114
OZMW-17S	OU-1 South	70	63	77	68	65	50	46
OZMW-18D	OU-1 South	--	17	-11	-9	-48	-17	-31
OZMW-18I	OU-1 South	--	54	93	139	79	100	102
OZMW-18I2	OU-1 South	--	-21	206	75	69	180	139
OZMW-18S	OU-1 South	--	172	150	104	107	155	107
pH								
OU2MW-48D	66 North Clinton	5.51	--	5.27	--	--	5.20	--
OU2MW-48I	66 North Clinton	5.90	--	5.12	--	--	5.56	--
OU2MW-48I2	66 North Clinton	5.91	--	5.77	--	--	5.99	--
OU2MW-48S	66 North Clinton	6.40	--	5.73	--	--	6.11	--
OU2MW-49D	66 North Clinton	5.58	--	5.00	--	--	6.16	5.85
OU2MW-49I	66 North Clinton	6.04	--	5.87	--	--	4.83	6.23
OU2MW-49I2	66 North Clinton	6.00	--	5.47	--	--	5.43	6.14
OU2MW-49S	66 North Clinton	6.12	--	5.91	--	--	6.90	6.23
OU2MW-54D	66 North Clinton	--	--	5.57	--	5.55	--	--
OU2MW-54I	66 North Clinton	--	--	5.81	--	6.04	--	--
OU2MW-54I2	66 North Clinton	--	--	6.29	--	6.42	--	--
OU2MW-54S	66 North Clinton	--	--	6.51	--	6.62	--	--
OZMW-16D	OU-1 South	--	5.10	5.22	5.22	5.36	4.71	4.30
OZMW-16I	OU-1 South	--	6.31	6.46	6.90	6.93	6.58	6.10
OZMW-16I2	OU-1 South	--	5.66	5.34	5.16	5.51	5.94	6.27
OZMW-16S	OU-1 South	--	6.37	6.26	5.49	6.31	5.78	6.42
OZMW-17D	OU-1 South	6.06	4.98	5.22	5.06	4.98	5.24	5.13
OZMW-17I	OU-1 South	5.76	6.59	6.77	5.59	6.68	7.00	6.65
OZMW-17I2	OU-1 South	5.22	5.80	6.26	5.41	6.61	6.60	6.33
OZMW-17S	OU-1 South	6.53	6.60	6.56	5.52	6.56	6.54	6.42
OZMW-18D	OU-1 South	--	5.50	5.64	4.78	5.88	5.24	4.92
OZMW-18I	OU-1 South	--	6.77	6.36	5.60	6.95	6.42	6.14
OZMW-18I2	OU-1 South	--	6.31	5.26	4.88	6.27	5.64	6.00
OZMW-18S	OU-1 South	--	5.90	5.92	4.88	6.49	6.18	6.62

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	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10
Temperature (degrees Celcius)								
OU2MW-48D	66 North Clinton	14.8	--	8.4	--	--	15.2	--
OU2MW-48I	66 North Clinton	15.3	--	10.4	--	--	14.0	--
OU2MW-48I2	66 North Clinton	14.6	--	11.3	--	--	14.4	--
OU2MW-48S	66 North Clinton	14.8	--	7.4	--	--	13.1	--
OU2MW-49D	66 North Clinton	14.9	--	12.4	--	--	13.6	17.0
OU2MW-49I	66 North Clinton	16.2	--	13.3	--	--	13.1	16.0
OU2MW-49I2	66 North Clinton	15.2	--	12.5	--	--	13.7	17.9
OU2MW-49S	66 North Clinton	17.3	--	10.9	--	--	14.7	21.4
OU2MW-54D	66 North Clinton	--	--	12.0	--	13.3	--	--
OU2MW-54I	66 North Clinton	--	--	13.1	--	12.7	--	--
OU2MW-54I2	66 North Clinton	--	--	13.0	--	13.4	--	--
OU2MW-54S	66 North Clinton	--	--	10.7	--	11.6	--	--
OZMW-16D	OU-1 South	--	11.7	11.1	12.9	14.3	13.7	14.8
OZMW-16I	OU-1 South	--	12.4	12.4	12.7	14.2	13.9	14.4
OZMW-16I2	OU-1 South	--	10.2	11.8	12.8	14.3	12.8	14.5
OZMW-16S	OU-1 South	--	11.3	10.5	10.7	12.7	12.4	15.0
OZMW-17D	OU-1 South	10.1	11.9	10.9	12.3	14.1	17.0	3.5
OZMW-17I	OU-1 South	12.6	12.7	11.8	11.9	13.7	14.8	3.5
OZMW-17I2	OU-1 South	12.8	12.1	11.0	12.5	14.4	5.2	4.0
OZMW-17S	OU-1 South	13.7	10.9	10.4	10.4	13.0	4.7	3.9
OZMW-18D	OU-1 South	--	12.2	12.1	12.6	14.1	13.9	14.8
OZMW-18I	OU-1 South	--	12.6	12.5	12.6	13.3	13.2	14.3
OZMW-18I2	OU-1 South	--	12.5	12.2	12.9	14.1	12.8	14.7
OZMW-18S	OU-1 South	--	9.6	9.5	10.3	11.9	11.9	14.3

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-04	Aug-04	Dec-04	Mar-05	Jun-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05
Conductivity (mS/cm)											
BBMW-25D	Montauk Highway	0.048	0.047	0.058	0.076	--	0.058	--	--	--	--
BBMW-25I	Montauk Highway	0.482	0.577	0.483	0.544	--	0.279	--	--	--	1.010
BBMW-25S	Montauk Highway	--	0.465	0.288	0.638	--	0.650	--	--	--	0.467
GMP-01	Manatuck Lane	--	0.472	0.369	0.413	0.663	0.458	--	--	--	0.785
GMP-02	Manatuck Lane	0.479	0.391	0.440	0.493	0.612	0.441	--	--	--	0.895
GMP-04	Manatuck Lane	0.442	0.676	0.409	0.325	0.529	0.342	--	--	--	0.650
OU2MW-01D	Montauk Highway	--	--	--	--	--	--	--	--	--	--
OU2MW-01I	Montauk Highway	--	--	--	--	--	0.456	--	--	0.470	--
OU2MW-01I2	Montauk Highway	--	--	--	--	--	--	--	--	0.187	--
OU2MW-01S	Montauk Highway	--	--	--	--	--	0.548	--	--	0.609	--
OU2MW-01WT	Montauk Highway	--	--	--	--	--	--	--	--	--	--
OU2MW-02D	Montauk Highway	--	--	--	--	--	0.037	--	--	--	--
OU2MW-02I	Montauk Highway	--	--	--	--	--	0.178	--	--	--	--
OU2MW-02I2	Montauk Highway	--	--	--	--	--	0.122	--	--	--	--
OU2MW-02S	Montauk Highway	--	--	--	--	--	0.405	--	--	--	--
OU2MW-03D	Montauk Highway	--	--	--	--	--	--	0.036	--	--	--
OU2MW-03I	Montauk Highway	--	--	--	--	--	--	--	--	--	--
OU2MW-03I2	Montauk Highway	--	--	--	--	--	--	0.073	--	--	--
OU2MW-03S	Montauk Highway	--	--	--	--	--	--	0.452	--	--	--
OU2MW-04D	Montauk Highway	--	--	--	--	--	--	0.066	--	--	--
OU2MW-04I	Montauk Highway	--	--	--	--	--	--	0.416	--	--	--
OU2MW-04I2	Montauk Highway	--	--	--	--	--	--	0.213	--	--	--
OU2MW-04S	Montauk Highway	--	--	--	--	--	--	0.554	--	--	--
OU2MW-04WT	Montauk Highway	--	--	--	--	--	--	--	--	--	--
OU2MW-06	Manatuck Lane	--	--	--	--	--	--	--	--	0.214	--
OU2MW-06S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-07	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-07S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-08D	Montauk Highway	--	--	--	--	--	--	--	0.036	--	--
OU2MW-08I	Montauk Highway	--	--	--	--	--	--	--	0.364	--	--
OU2MW-08I2	Montauk Highway	--	--	--	--	--	--	--	0.409	--	--
OU2MW-08S	Montauk Highway	--	--	--	--	--	--	--	0.549	--	--
OU2MW-08WT	Montauk Highway	--	--	--	--	--	--	--	--	--	--
OU2MW-19D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-19I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-19I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-28I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-28I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-28S	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-29D	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-29I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-29I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30D	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30D2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30I3	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30S	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-31I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-31I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32D	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32S	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36S	33 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
OU2MW-37D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-43D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-45D	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-45I	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-45I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-45S	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-46I	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-46I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-46S	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47D	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47I	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47S	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-52D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-52I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-52S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
Dissolved Oxygen (mg/L)											
BBMW-25D	Montauk Highway	0.0	0.0	0.0	0.4	--	0.3	--	--	--	--
BBMW-25I	Montauk Highway	0.0	0.0	0.0	0.3	--	0.8	--	--	20.0	0.0
BBMW-25S	Montauk Highway	--	0.0	1.1	1.8	--	3.0	--	--	--	9.9
GMP-01	Manatuck Lane	--	0.0	0.0	0.3	0.0	0.0	--	--	--	0.0
GMP-02	Manatuck Lane	0.0	0.0	0.0	0.3	0.0	0.0	--	--	--	0.0
GMP-04	Manatuck Lane	0.0	0.0	0.0	0.3	0.0	0.0	--	--	--	0.0
OU2MW-01D	Montauk Highway	--	--	--	--	--	--	--	--	--	--
OU2MW-01I	Montauk Highway	--	--	--	--	--	2.4	--	--	0.4	--
OU2MW-01I2	Montauk Highway	--	--	--	--	--	--	--	--	0.4	--
OU2MW-01S	Montauk Highway	--	--	--	--	--	3.0	--	--	0.4	--
OU2MW-01WT	Montauk Highway	--	--	--	--	--	--	--	--	--	--
OU2MW-02D	Montauk Highway	--	--	--	--	--	0.9	--	--	--	--
OU2MW-02I	Montauk Highway	--	--	--	--	--	0.4	--	--	--	--
OU2MW-02I2	Montauk Highway	--	--	--	--	--	0.5	--	--	--	--
OU2MW-02S	Montauk Highway	--	--	--	--	--	1.8	--	--	--	--
OU2MW-03D	Montauk Highway	--	--	--	--	--	--	0.0	--	--	--
OU2MW-03I	Montauk Highway	--	--	--	--	--	--	--	--	--	--
OU2MW-03I2	Montauk Highway	--	--	--	--	--	--	0.0	--	--	--
OU2MW-03S	Montauk Highway	--	--	--	--	--	--	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
OU2MW-04D	Montauk Highway	--	--	--	--	--	--	0.3	--	--	--
OU2MW-04I	Montauk Highway	--	--	--	--	--	--	4.7	--	--	--
OU2MW-04I2	Montauk Highway	--	--	--	--	--	--	2.0	--	--	--
OU2MW-04S	Montauk Highway	--	--	--	--	--	--	5.3	--	--	--
OU2MW-04WT	Montauk Highway	--	--	--	--	--	--	--	--	--	--
OU2MW-06	Manatuck Lane	--	--	--	--	--	--	--	--	0.0	--
OU2MW-06S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-07	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-07S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-08D	Montauk Highway	--	--	--	--	--	--	--	0.0	--	--
OU2MW-08I	Montauk Highway	--	--	--	--	--	--	--	0.0	--	--
OU2MW-08I2	Montauk Highway	--	--	--	--	--	--	--	0.0	--	--
OU2MW-08S	Montauk Highway	--	--	--	--	--	--	--	0.0	--	--
OU2MW-08WT	Montauk Highway	--	--	--	--	--	--	--	--	--	--
OU2MW-19D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-19I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-19I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-28I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-28I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-28S	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-29D	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-29I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-29I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30D	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30D2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30I3	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30S	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-31I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-31I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32D	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32S	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42S	33 North Clinton	--	--	--	--	--	--	--	--	--	--

Table 2-4
 Summary of Groundwater Parameter Data
 OU-2 Oxygen Injection Systems
 Bay Shore /Brightwaters Former MGP Site
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 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
OU2MW-43D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-45D	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-45I	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-45I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-45S	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-46I	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-46I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-46S	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47D	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47I	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47S	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-52D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-52I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-52S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
Oxidation Reduction Potential (mV)											
BBMW-25D	Montauk Highway	92	67	72	76	--	7	--	--	--	--
BBMW-25I	Montauk Highway	-80	-94	-80	-95	--	217	--	--	--	-88
BBMW-25S	Montauk Highway	--	93	118	115	--	-92	--	--	--	151
GMP-01	Manatuck Lane	--	-155	-138	-149	-159	-163	--	--	--	-156
GMP-02	Manatuck Lane	-127	-106	-93	-124	-108	-91	--	--	--	-108
GMP-04	Manatuck Lane	-119	-123	-118	-126	-141	-142	--	--	--	-139
OU2MW-01D	Montauk Highway	--	--	--	--	--	--	--	--	--	--
OU2MW-01I	Montauk Highway	--	--	--	--	--	15	--	--	-477	--
OU2MW-01I2	Montauk Highway	--	--	--	--	--	--	--	--	-480	--
OU2MW-01S	Montauk Highway	--	--	--	--	--	-116	--	--	-462	--
OU2MW-01WT	Montauk Highway	--	--	--	--	--	--	--	--	--	--
OU2MW-02D	Montauk Highway	--	--	--	--	--	69	--	--	--	--
OU2MW-02I	Montauk Highway	--	--	--	--	--	101	--	--	--	--
OU2MW-02I2	Montauk Highway	--	--	--	--	--	-6	--	--	--	--
OU2MW-02S	Montauk Highway	--	--	--	--	--	-183	--	--	--	--
OU2MW-03D	Montauk Highway	--	--	--	--	--	--	-19	--	--	--
OU2MW-03I	Montauk Highway	--	--	--	--	--	--	--	--	--	--
OU2MW-03I2	Montauk Highway	--	--	--	--	--	--	-61	--	--	--
OU2MW-03S	Montauk Highway	--	--	--	--	--	--	-158	--	--	--
OU2MW-04D	Montauk Highway	--	--	--	--	--	--	-104	--	--	--
OU2MW-04I	Montauk Highway	--	--	--	--	--	--	-120	--	--	--
OU2MW-04I2	Montauk Highway	--	--	--	--	--	--	-23	--	--	--
OU2MW-04S	Montauk Highway	--	--	--	--	--	--	-157	--	--	--
OU2MW-04WT	Montauk Highway	--	--	--	--	--	--	--	--	--	--
OU2MW-06	Manatuck Lane	--	--	--	--	--	--	--	--	-344	--
OU2MW-06S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-07	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-07S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-08D	Montauk Highway	--	--	--	--	--	--	--	60	--	--
OU2MW-08I	Montauk Highway	--	--	--	--	--	--	--	-44	--	--
OU2MW-08I2	Montauk Highway	--	--	--	--	--	--	--	-102	--	--
OU2MW-08S	Montauk Highway	--	--	--	--	--	--	--	-142	--	--
OU2MW-08WT	Montauk Highway	--	--	--	--	--	--	--	--	--	--

Table 2-4
 Summary of Groundwater Parameter Data
 OU-2 Oxygen Injection Systems
 Bay Shore /Brightwaters Former MGP Site
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 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
OU2MW-19D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-19I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-19I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-28I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-28I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-28S	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-29D	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-29I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-29I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30D	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30D2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30I3	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30S	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-31I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-31I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32D	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32S	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-43D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-45D	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-45I	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-45I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-45S	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-46I	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-46I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-46S	34 North Clinton	--	--	--	--	--	--	--	--	--	--

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 Summary of Groundwater Parameter Data
 OU-2 Oxygen Injection Systems
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 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
OU2MW-47D	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47I	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47S	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-52D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-52I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-52S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
pH (std. units)											
BBMW-25D	Montauk Highway	5.89	5.35	5.71	5.52	--	5.92	--	--	--	--
BBMW-25I	Montauk Highway	6.77	6.56	6.55	6.32	--	6.18	--	--	--	6.44
BBMW-25S	Montauk Highway	--	6.27	6.23	5.99	--	6.51	--	--	--	6.09
GMP-01	Manatuck Lane	--	6.84	6.80	6.74	6.85	6.89	--	--	--	6.75
GMP-02	Manatuck Lane	6.79	6.53	6.63	6.55	6.63	6.61	--	--	--	6.55
GMP-04	Manatuck Lane	6.91	6.74	6.66	6.69	6.83	6.77	--	--	--	6.75
OU2MW-01D	Montauk Highway	--	--	--	--	--	--	--	--	--	--
OU2MW-01I	Montauk Highway	--	--	--	--	--	6.14	--	--	7.12	--
OU2MW-01I2	Montauk Highway	--	--	--	--	--	--	--	--	7.05	--
OU2MW-01S	Montauk Highway	--	--	--	--	--	6.61	--	--	7.09	--
OU2MW-01WT	Montauk Highway	--	--	--	--	--	--	--	--	--	--
OU2MW-02D	Montauk Highway	--	--	--	--	--	5.74	--	--	--	--
OU2MW-02I	Montauk Highway	--	--	--	--	--	6.12	--	--	--	--
OU2MW-02I2	Montauk Highway	--	--	--	--	--	6.14	--	--	--	--
OU2MW-02S	Montauk Highway	--	--	--	--	--	6.88	--	--	--	--
OU2MW-03D	Montauk Highway	--	--	--	--	--	--	5.83	--	--	--
OU2MW-03I	Montauk Highway	--	--	--	--	--	--	--	--	--	--
OU2MW-03I2	Montauk Highway	--	--	--	--	--	--	6.43	--	--	--
OU2MW-03S	Montauk Highway	--	--	--	--	--	--	6.85	--	--	--
OU2MW-04D	Montauk Highway	--	--	--	--	--	--	7.06	--	--	--
OU2MW-04I	Montauk Highway	--	--	--	--	--	--	6.66	--	--	--
OU2MW-04I2	Montauk Highway	--	--	--	--	--	--	6.25	--	--	--
OU2MW-04S	Montauk Highway	--	--	--	--	--	--	6.83	--	--	--
OU2MW-04WT	Montauk Highway	--	--	--	--	--	--	--	--	--	--
OU2MW-06	Manatuck Lane	--	--	--	--	--	--	--	--	7.68	--
OU2MW-06S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-07	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-07S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-08D	Montauk Highway	--	--	--	--	--	--	--	5.75	--	--
OU2MW-08I	Montauk Highway	--	--	--	--	--	--	--	6.68	--	--
OU2MW-08I2	Montauk Highway	--	--	--	--	--	--	--	6.89	--	--
OU2MW-08S	Montauk Highway	--	--	--	--	--	--	--	7.18	--	--
OU2MW-08WT	Montauk Highway	--	--	--	--	--	--	--	--	--	--
OU2MW-19D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-19I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-19I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-28I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-28I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-28S	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-29D	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-29I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-29I2	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
OU2MW-30D	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30D2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30I3	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30S	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-31I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-31I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32D	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32S	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-43D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-45D	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-45I	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-45I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-45S	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-46I	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-46I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-46S	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47D	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47I	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47S	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-52D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-52I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-52S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53S	Manatuck 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
Temperature (deg C)											
BBMW-25D	Montauk Highway	13.2	15.6	13.1	11.4	--	16.7	--	--	--	--
BBMW-25I	Montauk Highway	14.4	15.6	13.9	13.1	--	21.7	--	--	--	13.5
BBMW-25S	Montauk Highway	--	19.1	13.8	10.5	--	18.2	--	--	--	13.3
GMP-01	Manatuck Lane	--	16.7	12.6	11.9	14.3	16.3	--	--	--	13.5
GMP-02	Manatuck Lane	12.3	15.8	12.1	10.0	13.9	15.3	--	--	--	13.3
GMP-04	Manatuck Lane	11.9	16.1	13.2	11.1	13.4	16.4	--	--	--	15.2
OU2MW-01D	Montauk Highway	--	--	--	--	--	--	--	--	--	--
OU2MW-01I	Montauk Highway	--	--	--	--	--	18.4	--	--	13.4	--
OU2MW-01I2	Montauk Highway	--	--	--	--	--	--	--	--	12.8	--
OU2MW-01S	Montauk Highway	--	--	--	--	--	18.4	--	--	15.0	--
OU2MW-01WT	Montauk Highway	--	--	--	--	--	--	--	--	--	--
OU2MW-02D	Montauk Highway	--	--	--	--	--	17.2	--	--	--	--
OU2MW-02I	Montauk Highway	--	--	--	--	--	18.0	--	--	--	--
OU2MW-02I2	Montauk Highway	--	--	--	--	--	16.0	--	--	--	--
OU2MW-02S	Montauk Highway	--	--	--	--	--	16.7	--	--	--	--
OU2MW-03D	Montauk Highway	--	--	--	--	--	--	15.0	--	--	--
OU2MW-03I	Montauk Highway	--	--	--	--	--	--	--	--	--	--
OU2MW-03I2	Montauk Highway	--	--	--	--	--	--	15.7	--	--	--
OU2MW-03S	Montauk Highway	--	--	--	--	--	--	16.5	--	--	--
OU2MW-04D	Montauk Highway	--	--	--	--	--	--	14.7	--	--	--
OU2MW-04I	Montauk Highway	--	--	--	--	--	--	16.0	--	--	--
OU2MW-04I2	Montauk Highway	--	--	--	--	--	--	15.2	--	--	--
OU2MW-04S	Montauk Highway	--	--	--	--	--	--	15.5	--	--	--
OU2MW-04WT	Montauk Highway	--	--	--	--	--	--	--	--	--	--
OU2MW-06	Manatuck Lane	--	--	--	--	--	--	--	--	14.7	--
OU2MW-06S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-07	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-07S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-08D	Montauk Highway	--	--	--	--	--	--	--	16.2	--	--
OU2MW-08I	Montauk Highway	--	--	--	--	--	--	--	16.8	--	--
OU2MW-08I2	Montauk Highway	--	--	--	--	--	--	--	17.0	--	--
OU2MW-08S	Montauk Highway	--	--	--	--	--	--	--	17.6	--	--
OU2MW-08WT	Montauk Highway	--	--	--	--	--	--	--	--	--	--
OU2MW-19D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-19I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-19I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-28I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-28I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-28S	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-29D	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-29I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-29I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30D	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30D2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30I3	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30S	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-31I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-31I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32D	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32S	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
OU2MW-35D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-43D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-45D	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-45I	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-45I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-45S	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-46I	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-46I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-46S	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47D	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47I	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47S	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-52D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-52I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-52S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53S	Manatuck 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	Feb-06	Mar-06	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06
Conductivity (mS/cm)											
BBMW-25D	Montauk Highway	--	0.053	--	--	0.056	--	--	0.084	--	0.100
BBMW-25I	Montauk Highway	0.647	0.458	0.386	0.387	0.238	0.444	0.604	0.472	0.535	0.626
BBMW-25S	Montauk Highway	0.354	0.348	0.300	0.236	0.232	0.310	0.314	0.303	0.336	0.376
GMP-01	Manatuck Lane	--	0.603	--	--	0.427	--	0.442	--	--	--
GMP-02	Manatuck Lane	--	0.613	--	--	0.500	--	0.467	--	--	--
GMP-04	Manatuck Lane	--	0.605	--	--	0.550	--	0.433	--	--	--
OU2MW-01D	Montauk Highway	--	0.520	--	--	0.000	--	--	0.035	--	0.041
OU2MW-01I	Montauk Highway	0.701	0.506	0.450	0.494	0.546	0.590	0.631	0.500	0.510	0.517
OU2MW-01I2	Montauk Highway	0.287	0.186	0.174	0.196	0.209	0.205	0.166	0.063	0.133	0.161
OU2MW-01S	Montauk Highway	--	0.608	0.482	0.465	0.506	0.539	0.579	0.483	0.643	0.768
OU2MW-01WT	Montauk Highway	--	--	--	--	--	--	--	--	--	--
OU2MW-02D	Montauk Highway	0.049	--	--	--	0.036	--	--	0.036	--	--
OU2MW-02I	Montauk Highway	0.263	--	--	--	0.199	--	--	0.201	--	0.230
OU2MW-02I2	Montauk Highway	0.100	--	--	--	0.067	--	--	0.064	--	0.068
OU2MW-02S	Montauk Highway	0.565	0.885	--	--	0.514	--	--	0.406	--	0.444
OU2MW-03D	Montauk Highway	--	0.055	--	--	0.036	--	--	0.034	--	0.047
OU2MW-03I	Montauk Highway	--	0.345	--	--	0.226	--	--	0.200	--	0.545
OU2MW-03I2	Montauk Highway	--	0.094	--	--	0.071	--	--	0.060	--	0.071
OU2MW-03S	Montauk Highway	--	0.636	--	--	0.475	--	--	0.557	--	0.047
OU2MW-04D	Montauk Highway	--	0.062	--	--	0.047	--	--	0.045	--	0.056
OU2MW-04I	Montauk Highway	--	0.656	--	--	0.429	--	--	0.497	--	0.614
OU2MW-04I2	Montauk Highway	--	0.312	--	--	0.230	--	--	0.195	--	0.198
OU2MW-04S	Montauk Highway	--	0.733	--	--	0.639	--	--	0.535	--	0.680
OU2MW-04WT	Montauk Highway	--	--	--	--	--	--	--	--	--	--
OU2MW-06	Manatuck Lane	0.152	0.178	0.188	0.159	0.095	0.086	0.133	0.118	0.064	0.259
OU2MW-06S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-07	Manatuck Lane	0.413	--	--	--	0.249	0.356	0.274	0.279	0.307	0.549
OU2MW-07S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-08D	Montauk Highway	0.049	--	--	--	--	--	0.035	--	--	0.061
OU2MW-08I	Montauk Highway	0.381	--	--	--	--	--	0.293	--	--	0.433
OU2MW-08I2	Montauk Highway	0.539	--	--	--	--	--	0.397	--	--	0.775
OU2MW-08S	Montauk Highway	0.646	--	--	--	--	--	0.564	--	--	0.904
OU2MW-08WT	Montauk Highway	--	--	--	--	--	--	--	--	--	--
OU2MW-19D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-19I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-19I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-28I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-28I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-28S	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-29D	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-29I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-29I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30D	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30D2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30I3	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30S	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-31I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-31I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32D	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32S	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36S	33 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	Feb-06	Mar-06	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06
OU2MW-37D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-43D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-45D	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-45I	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-45I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-45S	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-46I	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-46I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-46S	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47D	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47I	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47S	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-52D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-52I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-52S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
Dissolved Oxygen (mg/L)											
BBMW-25D	Montauk Highway	--	0.0	--	--	6.5	--	--	20.0	--	27.0
BBMW-25I	Montauk Highway	7.3	13.0	12.0	25.0	27.0	19.0	20.0	25.0	26.0	14.0
BBMW-25S	Montauk Highway	20.0	26.5	39.0	33.0	24.0	17.0	27.0	32.0	33.0	37.0
GMP-01	Manatuck Lane	--	0.0	--	--	1.0	--	0.0	--	--	--
GMP-02	Manatuck Lane	--	11.3	--	--	20.0	--	20.0	--	--	--
GMP-04	Manatuck Lane	--	0.0	--	--	1.2	--	0.0	--	--	--
OU2MW-01D	Montauk Highway	--	0.0	--	--	0.0	--	--	0.0	--	0.0
OU2MW-01I	Montauk Highway	20.0	29.0	35.0	37.0	35.0	37.0	37.0	31.0	32.0	39.0
OU2MW-01I2	Montauk Highway	0.0	0.0	0.0	0.3	3.0	8.0	6.0	15.0	22.0	28.0
OU2MW-01S	Montauk Highway	--	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
OU2MW-01WT	Montauk Highway	--	--	--	--	--	--	--	--	--	--
OU2MW-02D	Montauk Highway	0.0	--	--	--	1.6	--	--	0.0	--	--
OU2MW-02I	Montauk Highway	0.0	--	--	--	1.6	--	--	0.0	--	0.0
OU2MW-02I2	Montauk Highway	0.0	--	--	--	1.5	--	--	0.0	--	0.0
OU2MW-02S	Montauk Highway	0.0	0.0	--	--	1.1	--	--	0.0	--	0.0
OU2MW-03D	Montauk Highway	--	0.0	--	--	1.7	--	--	0.0	--	0.0
OU2MW-03I	Montauk Highway	--	0.0	--	--	1.7	--	--	0.0	--	0.0
OU2MW-03I2	Montauk Highway	--	0.0	--	--	1.9	--	--	0.0	--	0.0
OU2MW-03S	Montauk Highway	--	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	Feb-06	Mar-06	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06
OU2MW-04D	Montauk Highway	--	0.0	--	--	2.0	--	--	0.0	--	0.0
OU2MW-04I	Montauk Highway	--	0.0	--	--	2.1	--	--	0.0	--	0.0
OU2MW-04I2	Montauk Highway	--	0.0	--	--	1.9	--	--	0.1	--	0.0
OU2MW-04S	Montauk Highway	--	0.0	--	--	1.8	--	--	0.0	--	0.0
OU2MW-04WT	Montauk Highway	--	--	--	--	--	--	--	--	--	--
OU2MW-06	Manatuck Lane	0.0	0.0	0.1	25.0	26.0	41.0	19.0	30.0	49.0	51.0
OU2MW-06S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-07	Manatuck Lane	7.0	--	--	--	40.0	6.0	31.0	36.0	43.0	40.0
OU2MW-07S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-08D	Montauk Highway	0.0	--	--	--	--	--	0.0	--	--	0.0
OU2MW-08I	Montauk Highway	0.0	--	--	--	--	--	0.0	--	--	0.0
OU2MW-08I2	Montauk Highway	0.0	--	--	--	--	--	0.0	--	--	0.0
OU2MW-08S	Montauk Highway	0.0	--	--	--	--	--	0.0	--	--	0.0
OU2MW-08WT	Montauk Highway	--	--	--	--	--	--	--	--	--	--
OU2MW-19D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-19I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-19I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-28I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-28I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-28S	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-29D	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-29I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-29I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30D	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30D2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30I3	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30S	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-31I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-31I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32D	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32S	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42S	33 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	Feb-06	Mar-06	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06
OU2MW-43D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-45D	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-45I	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-45I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-45S	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-46I	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-46I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-46S	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47D	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47I	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47S	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-52D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-52I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-52S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
Oxidation Reduction Potential (mV)											
BBMW-25D	Montauk Highway	--	59	--	--	90	--	--	99	--	172
BBMW-25I	Montauk Highway	-52	-38.3	-32.4	17.6	163	41	10	52.8	49	20
BBMW-25S	Montauk Highway	148	202	166.9	216	180	248	137	112.6	146	185
GMP-01	Manatuck Lane	--	-164	--	--	-160	--	-174	--	--	--
GMP-02	Manatuck Lane	--	82	--	--	109	--	107	--	--	--
GMP-04	Manatuck Lane	--	-144	--	--	-132	--	-93	--	--	--
OU2MW-01D	Montauk Highway	--	66	--	--	104	--	--	62	--	69
OU2MW-01I	Montauk Highway	123	193	148	207	139	298	163	157	149	188
OU2MW-01I2	Montauk Highway	-54	-37.2	-38.6	-25.9	-45	93	27	148	53	102
OU2MW-01S	Montauk Highway	--	-101.2	-99.9	-78	-104	-52	-117	-71	-67	-61
OU2MW-01WT	Montauk Highway	--	--	--	--	--	--	--	--	--	--
OU2MW-02D	Montauk Highway	26	--	--	--	105	--	--	85	--	--
OU2MW-02I	Montauk Highway	51	--	--	--	69	--	--	118.2	--	40
OU2MW-02I2	Montauk Highway	-33	--	--	--	-15	--	--	-25	--	-3
OU2MW-02S	Montauk Highway	-155	-115	--	--	-176	--	--	-145	--	-131
OU2MW-03D	Montauk Highway	--	43	--	--	29	--	--	43	--	9
OU2MW-03I	Montauk Highway	--	105	--	--	111	--	--	107	--	131
OU2MW-03I2	Montauk Highway	--	-23	--	--	-56	--	--	-27	--	-44
OU2MW-03S	Montauk Highway	--	-148	--	--	-168	--	--	-154	--	47
OU2MW-04D	Montauk Highway	--	-52	--	--	-29	--	--	-15	--	-7
OU2MW-04I	Montauk Highway	--	-99	--	--	-120	--	--	-93	--	-88
OU2MW-04I2	Montauk Highway	--	-56	--	--	-49	--	--	-31.5	--	-17
OU2MW-04S	Montauk Highway	--	-157	--	--	-165	--	--	-149	--	-138
OU2MW-04WT	Montauk Highway	--	--	--	--	--	--	--	--	--	--
OU2MW-06	Manatuck Lane	-104	-105	19	218	269	318	191	167	171	150
OU2MW-06S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-07	Manatuck Lane	7	--	--	--	203	204	140	138	150	101
OU2MW-07S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-08D	Montauk Highway	-206	--	--	--	--	--	-21	--	--	35
OU2MW-08I	Montauk Highway	-44	--	--	--	--	--	-55	--	--	-32
OU2MW-08I2	Montauk Highway	-125	--	--	--	--	--	-132	--	--	-117
OU2MW-08S	Montauk Highway	-129	--	--	--	--	--	-143	--	--	-128
OU2MW-08WT	Montauk Highway	--	--	--	--	--	--	--	--	--	--

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	Feb-06	Mar-06	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06
OU2MW-19D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-19I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-19I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-28I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-28I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-28S	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-29D	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-29I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-29I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30D	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30D2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30I3	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30S	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-31I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-31I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32D	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32S	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-43D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-45D	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-45I	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-45I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-45S	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-46I	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-46I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-46S	34 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	Feb-06	Mar-06	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06
OU2MW-47D	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47I	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47S	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-52D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-52I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-52S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
pH (std. units)											
BBMW-25D	Montauk Highway	--	5.75	--	--	5.71	--	--	5.78	--	5.60
BBMW-25I	Montauk Highway	6.49	6.56	6.58	6.51	6.44	6.10	6.49	6.44	6.29	6.47
BBMW-25S	Montauk Highway	6.28	6.34	6.40	6.50	6.21	5.02	6.41	6.55	6.39	6.11
GMP-01	Manatuck Lane	--	6.81	--	--	7.10	--	6.93	--	--	--
GMP-02	Manatuck Lane	--	6.08	--	--	6.20	--	6.28	--	--	--
GMP-04	Manatuck Lane	--	6.75	--	--	6.75	--	6.45	--	--	--
OU2MW-01D	Montauk Highway	--	5.56	--	--	4.95	--	--	5.53	--	5.56
OU2MW-01I	Montauk Highway	6.22	6.25	6.28	6.26	6.04	5.02	6.20	6.18	6.10	5.96
OU2MW-01I2	Montauk Highway	6.46	6.50	6.53	6.52	6.20	5.66	6.33	6.17	5.91	6.08
OU2MW-01S	Montauk Highway	--	6.49	6.57	6.50	6.34	6.81	6.57	6.48	6.36	6.65
OU2MW-01WT	Montauk Highway	--	--	--	--	--	--	--	--	--	--
OU2MW-02D	Montauk Highway	5.69	--	--	--	4.97	--	--	5.27	--	--
OU2MW-02I	Montauk Highway	6.23	--	--	--	6.22	--	--	6.26	--	6.61
OU2MW-02I2	Montauk Highway	6.33	--	--	--	5.83	--	--	6.11	--	6.43
OU2MW-02S	Montauk Highway	6.97	6.62	--	--	6.81	--	--	6.72	--	7.15
OU2MW-03D	Montauk Highway	--	5.91	--	--	5.75	--	--	5.97	--	6.43
OU2MW-03I	Montauk Highway	--	5.84	--	--	5.62	--	--	5.81	--	5.99
OU2MW-03I2	Montauk Highway	--	6.32	--	--	6.35	--	--	6.33	--	6.67
OU2MW-03S	Montauk Highway	--	6.94	--	--	6.79	--	--	6.74	--	6.14
OU2MW-04D	Montauk Highway	--	6.28	--	--	6.41	--	--	6.06	--	6.73
OU2MW-04I	Montauk Highway	--	6.52	--	--	6.59	--	--	6.21	--	6.73
OU2MW-04I2	Montauk Highway	--	6.24	--	--	6.40	--	--	6.56	--	6.64
OU2MW-04S	Montauk Highway	--	6.88	--	--	6.91	--	--	6.48	--	7.10
OU2MW-04WT	Montauk Highway	--	--	--	--	--	--	--	--	--	--
OU2MW-06	Manatuck Lane	6.87	6.73	6.28	5.36	5.04	4.69	5.61	5.98	6.05	6.11
OU2MW-06S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-07	Manatuck Lane	6.33	--	--	--	5.68	5.61	6.10	6.39	6.21	6.56
OU2MW-07S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-08D	Montauk Highway	5.87	--	--	--	--	--	5.98	--	--	6.21
OU2MW-08I	Montauk Highway	6.40	--	--	--	--	--	6.40	--	--	6.80
OU2MW-08I2	Montauk Highway	6.68	--	--	--	--	--	6.60	--	--	7.00
OU2MW-08S	Montauk Highway	6.90	--	--	--	--	--	6.78	--	--	7.23
OU2MW-08WT	Montauk Highway	--	--	--	--	--	--	--	--	--	--
OU2MW-19D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-19I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-19I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-28I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-28I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-28S	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-29D	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-29I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-29I2	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	Feb-06	Mar-06	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06
OU2MW-30D	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30D2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30I3	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30S	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-31I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-31I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32D	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32S	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-43D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-45D	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-45I	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-45I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-45S	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-46I	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-46I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-46S	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47D	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47I	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47S	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-52D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-52I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-52S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53S	Manatuck 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	Feb-06	Mar-06	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06
Temperature (deg C)											
BBMW-25D	Montauk Highway	--	12.4	--	--	19.1	--	--	16.8	--	15.8
BBMW-25I	Montauk Highway	14.0	15.0	13.1	15.9	21.0	22.2	17.0	17.2	14.5	16.8
BBMW-25S	Montauk Highway	11.2	12.1	12.2	16.4	20.6	24.0	20.8	20.0	16.2	17.4
GMP-01	Manatuck Lane	--	12.1	--	--	14.1	--	15.6	--	--	--
GMP-02	Manatuck Lane	--	12.4	--	--	13.6	--	14.9	--	--	--
GMP-04	Manatuck Lane	--	11.9	--	--	13.3	--	16.5	--	--	--
OU2MW-01D	Montauk Highway	--	11.9	--	--	16.3	--	--	18.3	--	16.0
OU2MW-01I	Montauk Highway	12.0	14.2	12.8	15.8	16.8	22.1	19.1	17.6	14.0	16.1
OU2MW-01I2	Montauk Highway	12.5	13.1	12.4	15.6	16.9	20.2	20.9	17.9	11.2	15.7
OU2MW-01S	Montauk Highway	--	14.2	12.6	15.9	18.1	23.7	21.0	18.2	16.6	17.0
OU2MW-01WT	Montauk Highway	--	--	--	--	--	--	--	--	--	--
OU2MW-02D	Montauk Highway	11.6	--	--	--	14.4	--	--	19.9	--	--
OU2MW-02I	Montauk Highway	12.4	--	--	--	16.1	--	--	16.6	--	14.0
OU2MW-02I2	Montauk Highway	11.7	--	--	--	15.2	--	--	17.9	--	15.1
OU2MW-02S	Montauk Highway	11.8	13.5	--	--	16.3	--	--	17.8	--	17.2
OU2MW-03D	Montauk Highway	--	10.8	--	--	14.0	--	--	14.0	--	13.6
OU2MW-03I	Montauk Highway	--	13.1	--	--	14.4	--	--	14.5	--	14.0
OU2MW-03I2	Montauk Highway	--	11.9	--	--	14.8	--	--	14.2	--	13.8
OU2MW-03S	Montauk Highway	--	12.6	--	--	15.0	--	--	15.2	--	13.5
OU2MW-04D	Montauk Highway	--	11.0	--	--	15.5	--	--	14.1	--	13.6
OU2MW-04I	Montauk Highway	--	12.2	--	--	16.0	--	--	14.6	--	13.9
OU2MW-04I2	Montauk Highway	--	11.3	--	--	15.1	--	--	15.9	--	13.9
OU2MW-04S	Montauk Highway	--	12.1	--	--	15.5	--	--	15.1	--	14.6
OU2MW-04WT	Montauk Highway	--	--	--	--	--	--	--	--	--	--
OU2MW-06	Manatuck Lane	12.0	11.9	10.7	13.9	14.5	16.8	14.7	15.4	14.4	13.7
OU2MW-06S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-07	Manatuck Lane	12.3	--	--	--	14.8	17.0	15.7	16.7	15.7	15.4
OU2MW-07S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-08D	Montauk Highway	12.5	--	--	--	--	--	17.1	--	--	14.5
OU2MW-08I	Montauk Highway	13.3	--	--	--	--	--	17.1	--	--	15.3
OU2MW-08I2	Montauk Highway	13.1	--	--	--	--	--	16.1	--	--	14.8
OU2MW-08S	Montauk Highway	14.7	--	--	--	--	--	18.1	--	--	16.9
OU2MW-08WT	Montauk Highway	--	--	--	--	--	--	--	--	--	--
OU2MW-19D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-19I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-19I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-28I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-28I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-28S	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-29D	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-29I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-29I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30D	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30D2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30I3	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30S	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-31I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-31I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32D	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32S	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	Feb-06	Mar-06	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06
OU2MW-35D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-43D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-45D	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-45I	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-45I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-45S	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-46I	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-46I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-46S	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47D	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47I	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47S	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-52D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-52I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-52S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53S	Manatuck 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	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07
Conductivity (mS/cm)											
BBMW-25D	Montauk Highway	0.047	--	--	0.034	0.048	0.055	0.063	0.073	0.049	0.062
BBMW-25I	Montauk Highway	0.411	0.629	0.586	--	0.474	0.427	0.472	0.417	--	0.441
BBMW-25S	Montauk Highway	--	0.452	0.359	0.363	--	0.353	0.349	0.277	0.348	0.351
GMP-01	Manatuck Lane	0.866	--	--	--	0.631	0.562	--	--	--	0.263
GMP-02	Manatuck Lane	0.640	--	--	--	0.598	0.771	--	--	--	0.586
GMP-04	Manatuck Lane	0.742	--	--	--	--	0.524	--	--	--	0.450
OU2MW-01D	Montauk Highway	--	--	--	0.032	0.040	0.034	0.069	0.042	0.038	0.041
OU2MW-01I	Montauk Highway	0.340	0.558	0.728	0.507	0.456	0.448	0.666	0.605	0.561	0.636
OU2MW-01I2	Montauk Highway	0.097	0.173	0.161	0.067	0.149	0.168	0.188	0.114	0.093	0.062
OU2MW-01S	Montauk Highway	0.529	0.819	0.737	--	0.720	0.658	0.787	0.594	--	0.510
OU2MW-01WT	Montauk Highway	--	--	--	--	--	--	0.710	0.648	--	--
OU2MW-02D	Montauk Highway	--	--	--	0.050	--	0.042	--	--	--	0.038
OU2MW-02I	Montauk Highway	--	--	--	0.271	--	0.301	--	--	--	0.186
OU2MW-02I2	Montauk Highway	--	--	--	0.087	--	0.093	--	--	--	0.072
OU2MW-02S	Montauk Highway	--	--	--	0.432	--	0.654	--	--	--	0.390
OU2MW-03D	Montauk Highway	--	--	--	0.051	--	0.065	--	--	--	0.039
OU2MW-03I	Montauk Highway	--	--	--	0.460	--	0.536	--	--	--	0.289
OU2MW-03I2	Montauk Highway	--	--	--	0.108	--	0.081	--	--	--	0.054
OU2MW-03S	Montauk Highway	--	--	--	0.609	--	0.440	--	--	--	0.434
OU2MW-04D	Montauk Highway	--	--	--	0.063	--	0.040	--	--	--	0.048
OU2MW-04I	Montauk Highway	--	--	--	0.437	--	0.462	--	--	--	0.359
OU2MW-04I2	Montauk Highway	--	--	--	0.183	--	0.100	--	--	--	0.063
OU2MW-04S	Montauk Highway	--	--	--	0.675	--	0.759	--	--	--	0.547
OU2MW-04WT	Montauk Highway	--	--	--	--	--	--	0.222	--	--	0.240
OU2MW-06	Manatuck Lane	0.171	0.429	0.437	0.329	0.327	0.284	--	--	0.225	0.314
OU2MW-06S	Manatuck Lane	--	--	--	--	--	--	0.294	--	--	0.169
OU2MW-07	Manatuck Lane	0.289	0.511	0.491	0.319	0.437	0.531	--	--	0.334	0.365
OU2MW-07S	Manatuck Lane	--	--	--	--	--	--	0.167	--	--	0.126
OU2MW-08D	Montauk Highway	--	--	--	0.054	--	--	0.038	0.037	0.047	--
OU2MW-08I	Montauk Highway	--	--	--	0.404	--	--	0.373	0.185	0.254	--
OU2MW-08I2	Montauk Highway	--	--	--	0.761	--	--	0.461	0.552	0.519	--
OU2MW-08S	Montauk Highway	--	--	--	0.778	--	--	0.516	0.999	0.617	--
OU2MW-08WT	Montauk Highway	--	--	--	--	--	--	0.681	1.380	--	0.542
OU2MW-19D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-19I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-19I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-28I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-28I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-28S	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-29D	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-29I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-29I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30D	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30D2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30I3	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30S	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-31I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-31I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32D	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32S	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36S	33 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	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07
OU2MW-37D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-43D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-45D	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-45I	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-45I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-45S	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-46I	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-46I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-46S	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47D	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47I	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47S	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-52D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-52I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-52S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
Dissolved Oxygen (mg/L)											
BBMW-25D	Montauk Highway	17.0	--	--	16.0	19.0	32.0	29.0	20.0	22.0	30.0
BBMW-25I	Montauk Highway	7.0	10.0	20.0	--	26.0	25.0	28.0	20.0	--	17.7
BBMW-25S	Montauk Highway	--	36.0	35.0	28.0	--	26.0	28.0	20.0	34.0	34.0
GMP-01	Manatuck Lane	1.2	--	--	--	0.0	1.1	--	--	--	0.0
GMP-02	Manatuck Lane	15.0	--	--	--	20.0	20.0	--	--	--	20.0
GMP-04	Manatuck Lane	1.2	--	--	--	--	0.8	--	--	--	0.0
OU2MW-01D	Montauk Highway	--	--	--	4.0	1.0	0.0	0.0	0.0	0.3	0.0
OU2MW-01I	Montauk Highway	28.0	44.0	47.0	41.0	38.0	35.0	26.0	20.0	32.0	45.0
OU2MW-01I2	Montauk Highway	33.0	23.0	8.0	3.0	1.0	0.0	7.0	1.3	17.0	17.0
OU2MW-01S	Montauk Highway	0.0	0.0	0.0	--	0.0	0.0	7.0	1.1	--	0.0
OU2MW-01WT	Montauk Highway	--	--	--	--	--	--	15.7	16.2	--	--
OU2MW-02D	Montauk Highway	--	--	--	0.0	--	0.0	--	--	--	0.0
OU2MW-02I	Montauk Highway	--	--	--	0.0	--	0.0	--	--	--	0.0
OU2MW-02I2	Montauk Highway	--	--	--	0.0	--	0.0	--	--	--	0.0
OU2MW-02S	Montauk Highway	--	--	--	20.0	--	0.0	--	--	--	0.1
OU2MW-03D	Montauk Highway	--	--	--	0.0	--	0.0	--	--	--	0.0
OU2MW-03I	Montauk Highway	--	--	--	4.1	--	17.8	--	--	--	20.0
OU2MW-03I2	Montauk Highway	--	--	--	0.0	--	0.0	--	--	--	0.0
OU2MW-03S	Montauk Highway	--	--	--	0.0	--	0.0	--	--	--	0.0

Table 2-4
 Summary of Groundwater Parameter Data
 OU-2 Oxygen Injection Systems
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Well ID	Oxygen Injection System	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07
OU2MW-04D	Montauk Highway	--	--	--	0.0	--	0.0	--	--	--	0.0
OU2MW-04I	Montauk Highway	--	--	--	16.4	--	10.1	--	--	--	0.0
OU2MW-04I2	Montauk Highway	--	--	--	0.0	--	0.0	--	--	--	0.0
OU2MW-04S	Montauk Highway	--	--	--	0.0	--	0.0	--	--	--	0.0
OU2MW-04WT	Montauk Highway	--	--	--	--	--	--	7.3	--	--	0.0
OU2MW-06	Manatuck Lane	35.0	29.0	20.0	28.0	35.0	30.0	--	--	23.0	23.0
OU2MW-06S	Manatuck Lane	--	--	--	--	--	--	15.7	--	--	4.0
OU2MW-07	Manatuck Lane	35.0	31.0	34.0	40.0	36.0	37.0	--	--	12.0	36.0
OU2MW-07S	Manatuck Lane	--	--	--	--	--	--	20.0	--	--	10.9
OU2MW-08D	Montauk Highway	--	--	--	0.0	--	--	2.7	0.0	0.0	--
OU2MW-08I	Montauk Highway	--	--	--	0.0	--	--	2.6	0.0	0.0	--
OU2MW-08I2	Montauk Highway	--	--	--	0.0	--	--	2.7	1.3	0.0	--
OU2MW-08S	Montauk Highway	--	--	--	0.0	--	--	3.0	0.2	0.0	--
OU2MW-08WT	Montauk Highway	--	--	--	--	--	--	0.0	0.0	--	0.0
OU2MW-19D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-19I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-19I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-28I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-28I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-28S	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-29D	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-29I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-29I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30D	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30D2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30I3	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30S	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-31I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-31I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32D	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32S	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42S	33 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	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07
OU2MW-43D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-45D	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-45I	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-45I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-45S	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-46I	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-46I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-46S	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47D	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47I	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47S	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-52D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-52I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-52S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
Oxidation Reduction Potential (mV)											
BBMW-25D	Montauk Highway	197	--	--	198	295	278	441	201	265	242
BBMW-25I	Montauk Highway	-2	53	69	--	26	40	208	41	--	59
BBMW-25S	Montauk Highway	--	260	128	630	--	215	410	201	184	263
GMP-01	Manatuck Lane	-168	--	--	--	-249	-168	--	--	--	-165
GMP-02	Manatuck Lane	114	--	--	--	8	164	--	--	--	130
GMP-04	Manatuck Lane	-59	--	--	--	--	-37	--	--	--	-31
OU2MW-01D	Montauk Highway	--	--	--	402	120	-25	50	38	-37	101
OU2MW-01I	Montauk Highway	191	223	197	476	237	101	187	207	203	165
OU2MW-01I2	Montauk Highway	85	140	158	144	137	136	226	82	120	200
OU2MW-01S	Montauk Highway	-70	-54	-89	--	-96	-64	-44	-28	--	-45
OU2MW-01WT	Montauk Highway	--	--	--	--	--	--	226	97	--	--
OU2MW-02D	Montauk Highway	--	--	--	65	--	98	--	--	--	102
OU2MW-02I	Montauk Highway	--	--	--	52	--	59	--	--	--	32
OU2MW-02I2	Montauk Highway	--	--	--	-25	--	1	--	--	--	-15
OU2MW-02S	Montauk Highway	--	--	--	57	--	-84	--	--	--	-40
OU2MW-03D	Montauk Highway	--	--	--	60	--	90	--	--	--	44
OU2MW-03I	Montauk Highway	--	--	--	174	--	218	--	--	--	199
OU2MW-03I2	Montauk Highway	--	--	--	-10	--	-124	--	--	--	-16
OU2MW-03S	Montauk Highway	--	--	--	-129	--	-187	--	--	--	-138
OU2MW-04D	Montauk Highway	--	--	--	2	--	-102	--	--	--	-23
OU2MW-04I	Montauk Highway	--	--	--	110	--	69	--	--	--	55
OU2MW-04I2	Montauk Highway	--	--	--	2	--	-80	--	--	--	-35
OU2MW-04S	Montauk Highway	--	--	--	-119	--	-144	--	--	--	-132
OU2MW-04WT	Montauk Highway	--	--	--	--	--	--	141	--	--	83
OU2MW-06	Manatuck Lane	239	52	-171	180	232	229	--	--	198	53
OU2MW-06S	Manatuck Lane	--	--	--	--	--	--	349	--	--	186
OU2MW-07	Manatuck Lane	230	57	-154	228	185	198	--	--	180	62
OU2MW-07S	Manatuck Lane	--	--	--	--	--	--	399	--	--	169
OU2MW-08D	Montauk Highway	--	--	--	74	--	--	85	56	29	--
OU2MW-08I	Montauk Highway	--	--	--	3	--	--	-48	7	-47	--
OU2MW-08I2	Montauk Highway	--	--	--	-69	--	--	-113	-114	-125	--
OU2MW-08S	Montauk Highway	--	--	--	-94	--	--	-153	-137	-140	--
OU2MW-08WT	Montauk Highway	--	--	--	--	--	--	-3	144	--	97

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	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07
OU2MW-19D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-19I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-19I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-28I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-28I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-28S	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-29D	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-29I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-29I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30D	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30D2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30I3	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30S	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-31I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-31I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32D	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32S	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-43D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-45D	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-45I	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-45I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-45S	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-46I	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-46I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-46S	34 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	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07
OU2MW-47D	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47I	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47S	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-52D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-52I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-52S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
pH (std. units)											
BBMW-25D	Montauk Highway	6.06	--	--	4.91	4.68	5.58	5.41	6.34	5.01	5.56
BBMW-25I	Montauk Highway	5.90	6.20	6.12	--	6.21	6.38	6.22	6.15	--	6.69
BBMW-25S	Montauk Highway	--	6.24	6.11	6.20	--	6.39	6.23	6.34	6.06	6.82
GMP-01	Manatuck Lane	7.28	--	--	--	6.71	6.94	--	--	--	7.81
GMP-02	Manatuck Lane	6.63	--	--	--	6.05	6.30	--	--	--	6.08
GMP-04	Manatuck Lane	6.82	--	--	--	--	6.44	--	--	--	7.05
OU2MW-01D	Montauk Highway	--	--	--	6.05	4.81	5.33	6.15	5.43	5.69	5.57
OU2MW-01I	Montauk Highway	6.49	5.84	5.90	6.48	5.97	6.15	6.01	5.97	5.73	6.17
OU2MW-01I2	Montauk Highway	6.55	5.79	6.03	5.86	5.91	5.49	5.97	6.12	6.02	6.25
OU2MW-01S	Montauk Highway	7.01	6.34	6.25	--	6.34	6.18	6.25	6.33	--	6.75
OU2MW-01WT	Montauk Highway	--	--	--	--	--	--	6.51	6.32	--	--
OU2MW-02D	Montauk Highway	--	--	--	5.40	--	5.64	--	--	--	5.64
OU2MW-02I	Montauk Highway	--	--	--	5.48	--	6.06	--	--	--	6.61
OU2MW-02I2	Montauk Highway	--	--	--	6.20	--	5.99	--	--	--	6.46
OU2MW-02S	Montauk Highway	--	--	--	6.26	--	6.49	--	--	--	6.63
OU2MW-03D	Montauk Highway	--	--	--	5.92	--	5.24	--	--	--	6.31
OU2MW-03I	Montauk Highway	--	--	--	6.02	--	5.84	--	--	--	5.98
OU2MW-03I2	Montauk Highway	--	--	--	6.23	--	6.29	--	--	--	6.68
OU2MW-03S	Montauk Highway	--	--	--	6.72	--	6.98	--	--	--	7.42
OU2MW-04D	Montauk Highway	--	--	--	6.20	--	6.26	--	--	--	6.72
OU2MW-04I	Montauk Highway	--	--	--	5.48	--	5.78	--	--	--	6.17
OU2MW-04I2	Montauk Highway	--	--	--	6.25	--	6.39	--	--	--	6.29
OU2MW-04S	Montauk Highway	--	--	--	6.78	--	6.93	--	--	--	6.59
OU2MW-04WT	Montauk Highway	--	--	--	--	--	--	6.15	--	--	6.70
OU2MW-06	Manatuck Lane	6.47	5.56	5.68	6.29	5.95	6.03	--	--	5.74	6.25
OU2MW-06S	Manatuck Lane	--	--	--	--	--	--	6.47	--	--	6.83
OU2MW-07	Manatuck Lane	6.35	6.10	6.03	6.52	5.95	6.19	--	--	5.83	6.62
OU2MW-07S	Manatuck Lane	--	--	--	--	--	--	5.88	--	--	5.84
OU2MW-08D	Montauk Highway	--	--	--	5.63	--	--	5.44	5.70	5.67	--
OU2MW-08I	Montauk Highway	--	--	--	6.14	--	--	6.37	6.28	6.30	--
OU2MW-08I2	Montauk Highway	--	--	--	6.30	--	--	6.61	6.34	6.56	--
OU2MW-08S	Montauk Highway	--	--	--	6.64	--	--	6.75	6.81	6.74	--
OU2MW-08WT	Montauk Highway	--	--	--	--	--	--	6.31	6.49	--	6.52
OU2MW-19D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-19I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-19I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-28I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-28I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-28S	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-29D	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-29I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-29I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--

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

Well ID	Oxygen Injection System	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07
OU2MW-30D	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30D2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30I3	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30S	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-31I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-31I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32D	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32S	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-43D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-45D	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-45I	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-45I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-45S	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-46I	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-46I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-46S	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47D	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47I	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47S	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-52D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-52I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-52S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53S	Manatuck 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	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07
Temperature (deg C)											
BBMW-25D	Montauk Highway	13.0	--	--	11.4	14.1	14.8	16.0	19.5	20.2	14.5
BBMW-25I	Montauk Highway	13.7	12.1	13.4	--	15.0	17.0	15.2	18.0	--	18.7
BBMW-25S	Montauk Highway	--	12.1	10.7	17.5	--	17.6	17.1	19.5	22.7	20.8
GMP-01	Manatuck Lane	14.3	--	--	--	12.2	13.0	--	--	--	18.6
GMP-02	Manatuck Lane	13.1	--	--	--	11.9	11.8	--	--	--	17.4
GMP-04	Manatuck Lane	15.5	--	--	--	--	11.8	--	--	--	19.5
OU2MW-01D	Montauk Highway	--	--	--	14.9	15.6	14.9	17.9	16.8	18.5	19.4
OU2MW-01I	Montauk Highway	11.2	8.5	9.8	15.3	19.9	16.3	19.1	19.3	21.6	21.2
OU2MW-01I2	Montauk Highway	12.1	7.5	12.4	15.0	15.0	16.0	15.0	19.6	23.0	18.9
OU2MW-01S	Montauk Highway	12.0	8.5	11.4	--	17.8	15.4	15.5	17.6	--	24.9
OU2MW-01WT	Montauk Highway	--	--	--	--	--	--	17.1	21.3	--	--
OU2MW-02D	Montauk Highway	--	--	--	11.2	--	12.3	--	--	--	16.6
OU2MW-02I	Montauk Highway	--	--	--	11.1	--	13.6	--	--	--	19.8
OU2MW-02I2	Montauk Highway	--	--	--	13.0	--	12.4	--	--	--	18.8
OU2MW-02S	Montauk Highway	--	--	--	11.5	--	13.2	--	--	--	21.1
OU2MW-03D	Montauk Highway	--	--	--	11.6	--	12.3	--	--	--	16.5
OU2MW-03I	Montauk Highway	--	--	--	13.1	--	13.0	--	--	--	17.0
OU2MW-03I2	Montauk Highway	--	--	--	12.3	--	12.9	--	--	--	16.5
OU2MW-03S	Montauk Highway	--	--	--	13.4	--	13.0	--	--	--	17.5
OU2MW-04D	Montauk Highway	--	--	--	11.9	--	12.6	--	--	--	18.3
OU2MW-04I	Montauk Highway	--	--	--	12.9	--	12.5	--	--	--	17.9
OU2MW-04I2	Montauk Highway	--	--	--	10.7	--	13.0	--	--	--	16.2
OU2MW-04S	Montauk Highway	--	--	--	11.2	--	11.8	--	--	--	18.5
OU2MW-04WT	Montauk Highway	--	--	--	--	--	--	14.3	--	--	20.5
OU2MW-06	Manatuck Lane	11.7	12.2	7.5	11.8	18.6	18.0	--	--	18.3	16.5
OU2MW-06S	Manatuck Lane	--	--	--	--	--	--	18.8	--	--	20.9
OU2MW-07	Manatuck Lane	13.4	12.8	10.3	11.9	14.0	12.2	--	--	16.7	18.2
OU2MW-07S	Manatuck Lane	--	--	--	--	--	--	16.6	--	--	22.0
OU2MW-08D	Montauk Highway	--	--	--	11.0	--	--	16.9	16.3	15.9	--
OU2MW-08I	Montauk Highway	--	--	--	12.1	--	--	18.2	15.9	16.6	--
OU2MW-08I2	Montauk Highway	--	--	--	12.1	--	--	17.4	16.4	16.1	--
OU2MW-08S	Montauk Highway	--	--	--	12.5	--	--	17.4	17.4	17.1	--
OU2MW-08WT	Montauk Highway	--	--	--	--	--	--	20.3	20.3	--	20.9
OU2MW-19D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-19I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-19I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-28I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-28I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-28S	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-29D	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-29I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-29I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30D	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30D2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30I3	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30S	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-31I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-31I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32D	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32S	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	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07
OU2MW-35D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-43D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-45D	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-45I	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-45I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-45S	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-46I	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-46I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-46S	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47D	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47I	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47S	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-52D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-52I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-52S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53S	Manatuck 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
Conductivity (mS/cm)											
BBMW-25D	Montauk Highway	0.057	0.052	0.049	0.063	0.047	0.085	0.072	0.070	0.073	0.117
BBMW-25I	Montauk Highway	0.450	0.433	0.558	0.580	0.504	0.726	0.537	0.491	0.550	0.844
BBMW-25S	Montauk Highway	0.440	0.209	0.316	0.267	0.276	0.342	0.203	0.215	0.301	0.466
GMP-01	Manatuck Lane	--	--	0.607	--	0.660	--	--	--	--	--
GMP-02	Manatuck Lane	--	--	0.756	--	0.511	--	--	--	--	--
GMP-04	Manatuck Lane	--	--	0.500	--	0.489	--	--	--	--	--
OU2MW-01D	Montauk Highway	0.036	0.034	0.044	0.816	0.036	0.055	0.042	0.060	0.056	0.073
OU2MW-01I	Montauk Highway	0.593	0.475	0.523	0.489	0.404	0.906	0.422	0.387	0.488	0.853
OU2MW-01I2	Montauk Highway	0.063	0.070	0.102	0.342	0.080	0.105	1.070	1.040	0.620	0.098
OU2MW-01S	Montauk Highway	0.492	0.460	0.582	0.919	0.531	0.900	0.071	0.057	0.072	0.795
OU2MW-01WT	Montauk Highway	0.513	0.393	0.459	0.598	0.653	--	0.491	0.541	0.544	0.859
OU2MW-02D	Montauk Highway	--	0.035	--	--	0.039	--	--	0.046	--	--
OU2MW-02I	Montauk Highway	--	0.237	--	--	0.230	--	--	0.201	--	--
OU2MW-02I2	Montauk Highway	--	0.071	--	--	0.080	--	--	0.064	--	--
OU2MW-02S	Montauk Highway	--	0.448	--	--	0.453	--	--	0.467	--	--
OU2MW-03D	Montauk Highway	--	0.036	--	--	0.040	--	--	0.040	--	--
OU2MW-03I	Montauk Highway	--	0.260	--	--	0.300	--	--	0.324	--	--
OU2MW-03I2	Montauk Highway	--	0.061	--	--	0.049	--	--	0.052	--	--
OU2MW-03S	Montauk Highway	--	0.455	--	--	0.618	--	--	0.625	--	--
OU2MW-04D	Montauk Highway	--	0.048	--	--	0.053	--	--	0.048	--	--
OU2MW-04I	Montauk Highway	--	0.324	--	--	0.441	--	--	0.196	--	--
OU2MW-04I2	Montauk Highway	--	0.044	--	--	0.048	--	--	0.063	--	--
OU2MW-04S	Montauk Highway	--	0.569	--	--	0.650	--	--	0.635	--	--
OU2MW-04WT	Montauk Highway	--	--	--	--	0.141	--	--	0.139	--	--
OU2MW-06	Manatuck Lane	0.098	0.315	0.308	0.274	0.313	0.440	0.302	0.419	0.340	0.544
OU2MW-06S	Manatuck Lane	0.138	0.216	0.166	0.222	0.196	--	0.420	0.628	0.604	0.391
OU2MW-07	Manatuck Lane	0.339	0.339	0.467	0.421	0.358	0.420	0.274	0.294	0.287	0.597
OU2MW-07S	Manatuck Lane	0.116	0.112	0.166	0.253	0.139	--	0.407	0.442	0.424	0.329
OU2MW-08D	Montauk Highway	--	0.035	--	--	0.037	--	--	--	0.044	--
OU2MW-08I	Montauk Highway	--	0.303	--	--	0.436	--	--	--	0.576	--
OU2MW-08I2	Montauk Highway	--	0.562	--	--	0.501	--	--	--	0.641	--
OU2MW-08S	Montauk Highway	--	0.470	--	--	0.446	--	--	--	0.490	--
OU2MW-08WT	Montauk Highway	--	--	--	--	0.423	--	--	--	--	--
OU2MW-19D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-19I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-19I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-28I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-28I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-28S	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-29D	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-29I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-29I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30D	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30D2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30I3	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30S	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-31I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-31I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32D	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32S	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36S	33 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	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08
OU2MW-37D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-43D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-45D	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-45I	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-45I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-45S	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-46I	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-46I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-46S	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47D	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47I	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47S	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-52D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-52I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-52S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
Dissolved Oxygen (mg/L)											
BBMW-25D	Montauk Highway	41.0	43.0	43.0	48.0	23.0	18.0	25.0	19.0	25.0	29.0
BBMW-25I	Montauk Highway	8.0	19.0	26.0	6.0	12.0	9.0	0.0	4.0	3.0	20.0
BBMW-25S	Montauk Highway	15.0	31.0	31.0	28.0	22.0	32.0	31.0	23.0	24.0	31.0
GMP-01	Manatuck Lane	--	--	0.0	--	2.8	--	--	--	--	--
GMP-02	Manatuck Lane	--	--	20.0	--	20.0	--	--	--	--	--
GMP-04	Manatuck Lane	--	--	0.0	--	5.4	--	--	--	--	--
OU2MW-01D	Montauk Highway	2.0	4.0	4.0	2.0	1.0	2.0	0.0	3.0	2.0	0.0
OU2MW-01I	Montauk Highway	46.0	31.0	48.0	42.0	31.0	11.0	42.0	28.0	18.0	34.0
OU2MW-01I2	Montauk Highway	7.4	5.0	5.0	5.0	9.0	5.0	7.0	24.0	21.0	26.0
OU2MW-01S	Montauk Highway	0.0	4.8	4.0	2.0	0.0	0.0	3.0	5.0	4.0	2.0
OU2MW-01WT	Montauk Highway	11.0	10.0	20.0	19.0	10.0	--	22.0	5.0	21.0	--
OU2MW-02D	Montauk Highway	--	0.0	--	--	0.0	--	--	0.0	--	--
OU2MW-02I	Montauk Highway	--	2.1	--	--	1.0	--	--	0.0	--	--
OU2MW-02I2	Montauk Highway	--	0.0	--	--	0.0	--	--	0.0	--	--
OU2MW-02S	Montauk Highway	--	10.5	--	--	3.7	--	--	0.0	--	--
OU2MW-03D	Montauk Highway	--	0.0	--	--	0.0	--	--	0.0	--	--
OU2MW-03I	Montauk Highway	--	13.6	--	--	20.0	--	--	20.0	--	--
OU2MW-03I2	Montauk Highway	--	0.0	--	--	0.0	--	--	0.0	--	--
OU2MW-03S	Montauk Highway	--	0.0	--	--	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
OU2MW-04D	Montauk Highway	--	0.0	--	--	0.0	--	--	0.0	--	--
OU2MW-04I	Montauk Highway	--	4.7	--	--	0.0	--	--	0.3	--	--
OU2MW-04I2	Montauk Highway	--	0.0	--	--	0.0	--	--	0.0	--	--
OU2MW-04S	Montauk Highway	--	0.0	--	--	0.0	--	--	0.1	--	--
OU2MW-04WT	Montauk Highway	--	--	--	--	4.6	--	--	6.7	--	--
OU2MW-06	Manatuck Lane	23.0	30.0	32.0	40.0	25.0	16.0	14.0	7.0	7.0	22.0
OU2MW-06S	Manatuck Lane	8.0	15.0	16.0	16.0	8.0	--	27.0	27.0	19.0	5.9
OU2MW-07	Manatuck Lane	29.0	34.0	32.0	28.0	25.0	22.0	13.0	8.0	13.0	32.0
OU2MW-07S	Manatuck Lane	17.0	14.0	13.0	8.0	8.0	--	38.0	35.0	29.0	18.0
OU2MW-08D	Montauk Highway	--	0.0	--	--	0.0	--	--	--	0.4	--
OU2MW-08I	Montauk Highway	--	0.0	--	--	0.0	--	--	--	0.3	--
OU2MW-08I2	Montauk Highway	--	0.0	--	--	0.0	--	--	--	0.4	--
OU2MW-08S	Montauk Highway	--	0.0	--	--	--	--	--	--	0.4	--
OU2MW-08WT	Montauk Highway	--	--	--	--	8.0	--	--	--	--	--
OU2MW-19D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-19I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-19I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-28I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-28I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-28S	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-29D	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-29I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-29I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30D	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30D2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30I3	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30S	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-31I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-31I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32D	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32S	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42S	33 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	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08
OU2MW-43D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-45D	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-45I	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-45I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-45S	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-46I	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-46I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-46S	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47D	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47I	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47S	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-52D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-52I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-52S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
Oxidation Reduction Potential (mV)											
BBMW-25D	Montauk Highway	239	288	231	253	218	220	235	238	158	231
BBMW-25I	Montauk Highway	86	107	64	55	11	-6	-30	-41	-60	6
BBMW-25S	Montauk Highway	172	193	171	195	149	229	207	172	150	193
GMP-01	Manatuck Lane	--	--	-129	--	-159	--	--	--	--	--
GMP-02	Manatuck Lane	--	--	346	--	138	--	--	--	--	--
GMP-04	Manatuck Lane	--	--	-59	--	-1	--	--	--	--	--
OU2MW-01D	Montauk Highway	112	133	26	55	97	109	95	162	110	105
OU2MW-01I	Montauk Highway	209	184	156	190	172	222	177	177	171	225
OU2MW-01I2	Montauk Highway	124	174	87	144	155	175	115	176	157	197
OU2MW-01S	Montauk Highway	-64	-15	-77	-51	-34	-23	7	-3	-35	-11
OU2MW-01WT	Montauk Highway	112	135	130	171	162	--	216	150	72	176
OU2MW-02D	Montauk Highway	--	112	--	--	78	--	--	99	--	--
OU2MW-02I	Montauk Highway	--	73	--	--	22	--	--	-17	--	--
OU2MW-02I2	Montauk Highway	--	18	--	--	-11	--	--	3	--	--
OU2MW-02S	Montauk Highway	--	65	--	--	75	--	--	-61	--	--
OU2MW-03D	Montauk Highway	--	78	--	--	41	--	--	35	--	--
OU2MW-03I	Montauk Highway	--	177	--	--	203	--	--	193	--	--
OU2MW-03I2	Montauk Highway	--	16	--	--	13	--	--	11	--	--
OU2MW-03S	Montauk Highway	--	-130	--	--	0.134	--	--	-126	--	--
OU2MW-04D	Montauk Highway	--	22	--	--	-37	--	--	-43	--	--
OU2MW-04I	Montauk Highway	--	48	--	--	22	--	--	-4	--	--
OU2MW-04I2	Montauk Highway	--	10	--	--	130	--	--	-13	--	--
OU2MW-04S	Montauk Highway	--	-94	--	--	-133	--	--	-130	--	--
OU2MW-04WT	Montauk Highway	--	--	--	--	177	--	--	163	--	--
OU2MW-06	Manatuck Lane	216	350	166	230	220	215	206	150	120	210
OU2MW-06S	Manatuck Lane	196	358	133	208	159	--	221	180	144	177
OU2MW-07	Manatuck Lane	201	222	212	204	210	229	219	211	169	232
OU2MW-07S	Manatuck Lane	175	206	210	192	190	--	225	189	164	231
OU2MW-08D	Montauk Highway	--	91	--	--	57	--	--	--	94	--
OU2MW-08I	Montauk Highway	--	-28	--	--	-39	--	--	--	-26	--
OU2MW-08I2	Montauk Highway	--	-94	--	--	-114	--	--	--	-116	--
OU2MW-08S	Montauk Highway	--	-131	--	--	--	--	--	--	-136	--
OU2MW-08WT	Montauk Highway	--	--	--	--	150	--	--	--	--	--

Table 2-4
 Summary of Groundwater Parameter Data
 OU-2 Oxygen Injection Systems
 Bay Shore /Brightwaters Former MGP Site
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 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
OU2MW-19D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-19I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-19I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-28I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-28I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-28S	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-29D	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-29I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-29I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30D	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30D2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30I3	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30S	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-31I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-31I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32D	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32S	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-43D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-45D	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-45I	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-45I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-45S	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-46I	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-46I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-46S	34 North Clinton	--	--	--	--	--	--	--	--	--	--

Table 2-4
 Summary of Groundwater Parameter Data
 OU-2 Oxygen Injection Systems
 Bay Shore /Brightwaters Former MGP Site
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 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
OU2MW-47D	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47I	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47S	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-52D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-52I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-52S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
pH (std. units)											
BBMW-25D	Montauk Highway	5.15	5.27	4.98	4.85	5.13	5.31	5.16	4.74	4.99	5.37
BBMW-25I	Montauk Highway	6.05	6.22	6.29	6.40	5.87	5.98	6.51	6.34	6.09	6.25
BBMW-25S	Montauk Highway	6.21	6.19	6.36	5.58	5.89	5.79	6.10	6.16	5.83	6.17
GMP-01	Manatuck Lane	--	--	6.96	--	7.27	--	--	--	--	--
GMP-02	Manatuck Lane	--	--	5.73	--	6.41	--	--	--	--	--
GMP-04	Manatuck Lane	--	--	6.55	--	5.96	--	--	--	--	--
OU2MW-01D	Montauk Highway	5.43	5.32	5.81	6.85	5.33	5.31	5.75	5.39	5.22	5.36
OU2MW-01I	Montauk Highway	5.35	6.00	6.01	5.64	5.73	5.41	6.11	5.94	5.63	5.93
OU2MW-01I2	Montauk Highway	5.73	5.83	6.06	6.59	5.80	5.65	6.20	5.96	5.37	5.85
OU2MW-01S	Montauk Highway	7.00	6.42	6.76	7.13	5.87	5.59	6.23	5.73	5.83	6.01
OU2MW-01WT	Montauk Highway	6.45	6.67	6.31	6.17	6.08	--	6.56	6.14	6.09	6.40
OU2MW-02D	Montauk Highway	--	5.34	--	--	5.50	--	--	5.07	--	--
OU2MW-02I	Montauk Highway	--	6.16	--	--	5.98	--	--	5.74	--	--
OU2MW-02I2	Montauk Highway	--	6.16	--	--	6.01	--	--	6.30	--	--
OU2MW-02S	Montauk Highway	--	6.29	--	--	6.40	--	--	6.32	--	--
OU2MW-03D	Montauk Highway	--	5.72	--	--	5.67	--	--	5.87	--	--
OU2MW-03I	Montauk Highway	--	5.52	--	--	5.38	--	--	5.41	--	--
OU2MW-03I2	Montauk Highway	--	6.01	--	--	5.83	--	--	5.89	--	--
OU2MW-03S	Montauk Highway	--	7.00	--	--	6.23	--	--	6.45	--	--
OU2MW-04D	Montauk Highway	--	6.16	--	--	6.31	--	--	6.37	--	--
OU2MW-04I	Montauk Highway	--	6.04	--	--	5.75	--	--	6.06	--	--
OU2MW-04I2	Montauk Highway	--	6.54	--	--	6.01	--	--	6.34	--	--
OU2MW-04S	Montauk Highway	--	6.96	--	--	6.36	--	--	6.44	--	--
OU2MW-04WT	Montauk Highway	--	--	--	--	5.84	--	--	5.84	--	--
OU2MW-06	Manatuck Lane	5.57	5.08	5.47	6.16	5.59	5.79	6.48	6.50	6.04	5.95
OU2MW-06S	Manatuck Lane	5.92	5.32	5.62	6.47	6.03	--	6.16	5.85	5.88	6.21
OU2MW-07	Manatuck Lane	5.56	5.87	6.01	6.43	5.74	5.84	6.10	5.88	5.54	5.80
OU2MW-07S	Manatuck Lane	5.46	5.77	5.76	6.47	5.65	--	6.27	5.85	5.75	5.75
OU2MW-08D	Montauk Highway	--	5.51	--	--	5.60	--	--	--	5.18	--
OU2MW-08I	Montauk Highway	--	6.72	--	--	5.99	--	--	--	5.96	--
OU2MW-08I2	Montauk Highway	--	7.30	--	--	6.23	--	--	--	6.33	--
OU2MW-08S	Montauk Highway	--	7.70	--	--	--	--	--	--	6.44	--
OU2MW-08WT	Montauk Highway	--	--	--	--	6.30	--	--	--	--	--
OU2MW-19D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-19I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-19I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-28I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-28I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-28S	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-29D	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-29I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-29I2	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	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08
OU2MW-30D	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30D2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30I3	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30S	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-31I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-31I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32D	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32S	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-43D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-45D	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-45I	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-45I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-45S	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-46I	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-46I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-46S	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47D	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47I	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47S	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-52D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-52I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-52S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53S	Manatuck 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
Temperature (deg C)											
BBMW-25D	Montauk Highway	18.1	11.2	10.1	8.8	7.9	11.6	15.7	15.1	18.6	16.4
BBMW-25I	Montauk Highway	18.4	13.1	11.5	11.3	11.4	12.3	16.7	19.9	18.9	17.6
BBMW-25S	Montauk Highway	21.5	14.9	11.6	8.5	9.3	9.9	15.7	16.8	19.8	20.1
GMP-01	Manatuck Lane	--	--	10.1	--	11.5	--	--	--	--	--
GMP-02	Manatuck Lane	--	--	12.7	--	10.3	--	--	--	--	--
GMP-04	Manatuck Lane	--	--	14.8	--	11.6	--	--	--	--	--
OU2MW-01D	Montauk Highway	14.3	13.7	11.8	7.9	11.9	12.2	16.9	17.1	20.7	20.8
OU2MW-01I	Montauk Highway	14.6	12.2	10.4	9.5	12.4	11.6	18.6	15.8	19.0	19.9
OU2MW-01I2	Montauk Highway	14.5	13.6	12.3	7.6	11.4	12.0	16.6	15.3	21.3	21.7
OU2MW-01S	Montauk Highway	15.3	12.3	10.3	9.8	12.3	13.0	15.4	15.9	20.2	20.9
OU2MW-01WT	Montauk Highway	16.7	14.3	10.6	8.0	7.3	--	12.0	17.2	19.9	21.8
OU2MW-02D	Montauk Highway	--	10.7	--	--	9.3	--	--	11.7	--	--
OU2MW-02I	Montauk Highway	--	11.4	--	--	8.5	--	--	13.6	--	--
OU2MW-02I2	Montauk Highway	--	11.6	--	--	9.7	--	--	12.2	--	--
OU2MW-02S	Montauk Highway	--	11.2	--	--	7.6	--	--	13.5	--	--
OU2MW-03D	Montauk Highway	--	13.0	--	--	11.1	--	--	12.7	--	--
OU2MW-03I	Montauk Highway	--	13.8	--	--	12.4	--	--	13.7	--	--
OU2MW-03I2	Montauk Highway	--	13.3	--	--	11.6	--	--	12.9	--	--
OU2MW-03S	Montauk Highway	--	15.0	--	--	12.7	--	--	13.0	--	--
OU2MW-04D	Montauk Highway	--	9.2	--	--	9.1	--	--	14.8	--	--
OU2MW-04I	Montauk Highway	--	11.5	--	--	11.7	--	--	15.2	--	--
OU2MW-04I2	Montauk Highway	--	11.7	--	--	9.1	--	--	14.2	--	--
OU2MW-04S	Montauk Highway	--	10.5	--	--	13.9	--	--	14.2	--	--
OU2MW-04WT	Montauk Highway	--	--	--	--	4.6	--	--	13.9	--	--
OU2MW-06	Manatuck Lane	17.3	11.8	9.2	8.1	9.3	13.5	10.3	13.3	21.9	16.5
OU2MW-06S	Manatuck Lane	18.9	11.5	7.0	4.8	6.1	--	11.9	12.3	18.9	21.6
OU2MW-07	Manatuck Lane	17.2	14.7	11.5	11.3	10.4	11.5	11.1	13.2	21.0	14.7
OU2MW-07S	Manatuck Lane	19.3	15.0	9.7	7.9	6.7	--	13.0	14.0	19.1	18.5
OU2MW-08D	Montauk Highway	--	13.8	--	--	11.8	--	--	--	14.3	--
OU2MW-08I	Montauk Highway	--	14.2	--	--	13.2	--	--	--	14.6	--
OU2MW-08I2	Montauk Highway	--	13.9	--	--	12.5	--	--	--	14.7	--
OU2MW-08S	Montauk Highway	--	16.0	--	--	--	--	--	--	15.0	--
OU2MW-08WT	Montauk Highway	--	--	--	--	10.5	--	--	--	--	--
OU2MW-19D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-19I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-19I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-28I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-28I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-28S	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-29D	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-29I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-29I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30D	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30D2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30I3	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-30S	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-31I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-31I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32D	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32I	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32I2	9 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-32S	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	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08
OU2MW-35D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-35S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-36S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-37S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-39S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42D	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42I	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42I2	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-42S	33 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-43D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-45D	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-45I	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-45I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-45S	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-46I	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-46I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-46S	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47D	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47I	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47I2	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-47S	34 North Clinton	--	--	--	--	--	--	--	--	--	--
OU2MW-52D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-52I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-52S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53S	Manatuck 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	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09	Apr-09	May-09
Conductivity (mS/cm)											
BBMW-25D	Montauk Highway	0.111	0.133	0.068	0.101	0.080	0.078	0.118	0.118	0.090	0.096
BBMW-25I	Montauk Highway	0.815	0.902	0.469	0.654	0.486	0.553	0.730	0.730	0.682	0.699
BBMW-25S	Montauk Highway	0.408	0.451	0.267	0.320	0.230	0.219	0.637	0.637	0.431	0.363
GMP-01	Manatuck Lane	0.900	--	--	0.728	--	--	0.934	--	--	0.821
GMP-02	Manatuck Lane	0.412	--	--	--	0.444	--	0.702	--	--	0.564
GMP-04	Manatuck Lane	0.733	--	--	--	0.356	--	0.347	--	--	0.313
OU2MW-01D	Montauk Highway	0.078	0.082	0.046	0.056	0.051	0.046	0.063	0.046	0.045	0.063
OU2MW-01I	Montauk Highway	0.882	0.953	0.486	0.610	0.464	0.503	0.616	0.422	0.385	0.612
OU2MW-01I2	Montauk Highway	0.043	0.043	0.061	0.092	0.068	0.068	0.094	0.063	0.095	0.099
OU2MW-01S	Montauk Highway	0.319	0.830	0.447	0.561	0.593	0.621	0.731	0.504	0.654	0.655
OU2MW-01WT	Montauk Highway	0.999	0.900	0.689	0.800	0.596	0.746	0.727	1.57	1.610	2.110
OU2MW-02D	Montauk Highway	--	0.078	--	0.057	--	--	0.063	--	--	0.042
OU2MW-02I	Montauk Highway	--	0.460	--	0.271	--	--	0.279	--	--	0.279
OU2MW-02I2	Montauk Highway	--	0.152	--	0.930	--	--	0.104	--	--	0.070
OU2MW-02S	Montauk Highway	--	0.913	--	0.596	--	--	0.479	--	--	0.412
OU2MW-03D	Montauk Highway	--	0.085	--	0.057	--	--	0.061	--	--	0.043
OU2MW-03I	Montauk Highway	--	0.609	--	0.596	--	--	0.624	--	--	0.513
OU2MW-03I2	Montauk Highway	--	0.100	--	0.810	--	--	0.132	--	--	0.102
OU2MW-03S	Montauk Highway	--	0.900	--	0.930	--	--	0.600	--	--	0.457
OU2MW-04D	Montauk Highway	--	0.093	--	0.069	--	--	0.076	--	--	0.052
OU2MW-04I	Montauk Highway	--	0.472	--	0.581	--	--	0.710	--	--	0.507
OU2MW-04I2	Montauk Highway	--	0.096	--	0.067	--	--	0.075	--	--	0.250
OU2MW-04S	Montauk Highway	--	0.960	--	0.722	--	--	0.721	--	--	0.535
OU2MW-04WT	Montauk Highway	--	0.433	--	0.203	--	--	0.179	--	--	0.131
OU2MW-06	Manatuck Lane	0.502	0.120	0.450	0.436	0.481	0.461	0.511	0.401	0.232	0.251
OU2MW-06S	Manatuck Lane	0.450	0.157	0.255	0.292	0.234	0.216	0.270	0.233	0.721	0.458
OU2MW-07	Manatuck Lane	0.614	0.293	0.370	0.367	0.327	0.304	0.407	0.328	0.401	0.430
OU2MW-07S	Manatuck Lane	0.306	0.128	0.153	0.208	--	0.226	0.421	0.583	0.457	0.567
OU2MW-08D	Montauk Highway	0.039	--	--	--	0.062	--	0.057	--	--	--
OU2MW-08I	Montauk Highway	0.479	--	--	--	0.662	--	0.624	--	--	--
OU2MW-08I2	Montauk Highway	0.634	--	--	--	0.852	--	0.599	--	--	--
OU2MW-08S	Montauk Highway	0.459	--	--	--	--	--	0.657	--	--	--
OU2MW-08WT	Montauk Highway	0.466	--	--	--	--	--	0.668	--	--	--
OU2MW-19D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-19I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-19I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-28I	9 North Clinton	--	--	--	--	--	--	--	1.180	0.630	0.573
OU2MW-28I2	9 North Clinton	--	--	--	--	--	--	--	0.698	0.374	0.346
OU2MW-28S	9 North Clinton	--	--	--	--	--	--	--	0.631	0.370	0.412
OU2MW-29D	9 North Clinton	--	--	--	--	--	--	--	0.265	0.285	0.348
OU2MW-29I	9 North Clinton	--	--	--	--	--	--	--	0.643	0.665	0.702
OU2MW-29I2	9 North Clinton	--	--	--	--	--	--	--	0.402	0.446	0.511
OU2MW-30D	9 North Clinton	--	--	--	--	--	--	--	0.661	0.590	0.477
OU2MW-30D2	9 North Clinton	--	--	--	--	--	--	--	0.607	0.451	0.388
OU2MW-30I	9 North Clinton	--	--	--	--	--	--	--	0.535	0.596	0.718
OU2MW-30I2	9 North Clinton	--	--	--	--	--	--	--	0.457	0.429	0.538
OU2MW-30I3	9 North Clinton	--	--	--	--	--	--	--	0.730	0.595	0.474
OU2MW-30S	9 North Clinton	--	--	--	--	--	--	--	0.420	0.391	0.412
OU2MW-31I	9 North Clinton	--	--	--	--	0.598	--	--	0.530	0.594	0.441
OU2MW-31I2	9 North Clinton	--	--	--	--	0.324	--	--	0.390	0.630	0.702
OU2MW-32D	9 North Clinton	--	--	--	--	0.428	--	--	0.308	0.358	0.261
OU2MW-32I	9 North Clinton	--	--	--	--	0.580	--	--	0.607	0.718	0.670
OU2MW-32I2	9 North Clinton	--	--	--	--	0.623	--	--	0.534	0.558	0.459
OU2MW-32S	9 North Clinton	--	--	--	--	0.323	--	--	1.370	0.455	0.605
OU2MW-35D	33 North Clinton	--	--	--	--	--	--	--	0.313	0.414	0.417
OU2MW-35I	33 North Clinton	--	--	--	--	--	--	--	0.593	0.755	0.691
OU2MW-35I2	33 North Clinton	--	--	--	--	--	--	--	0.263	0.318	0.252
OU2MW-35S	33 North Clinton	--	--	--	--	--	--	--	0.231	0.361	0.449
OU2MW-36D	33 North Clinton	--	--	--	--	--	--	--	0.228	0.344	0.402
OU2MW-36I	33 North Clinton	--	--	--	--	--	--	--	0.363	0.474	0.485
OU2MW-36I2	33 North Clinton	--	--	--	--	--	--	--	0.173	0.262	0.262
OU2MW-36S	33 North Clinton	--	--	--	--	--	--	--	1.070	0.992	0.731

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	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09	Apr-09	May-09
OU2MW-37D	33 North Clinton	--	--	--	--	--	--	--	0.872	0.990	0.880
OU2MW-37I	33 North Clinton	--	--	--	--	--	--	--	0.419	0.507	0.464
OU2MW-37I2	33 North Clinton	--	--	--	--	--	--	--	0.386	0.457	0.592
OU2MW-37S	33 North Clinton	--	--	--	--	--	--	--	0.262	0.289	0.260
OU2MW-39D	33 North Clinton	--	--	--	--	--	--	--	0.133	0.138	0.018
OU2MW-39I	33 North Clinton	--	--	--	--	--	--	--	0.408	0.649	0.491
OU2MW-39I2	33 North Clinton	--	--	--	--	--	--	--	0.233	0.342	0.351
OU2MW-39S	33 North Clinton	--	--	--	--	--	--	--	0.211	0.242	0.235
OU2MW-42D	33 North Clinton	--	--	--	--	--	--	--	--	0.761	1.010
OU2MW-42I	33 North Clinton	--	--	--	--	--	--	--	--	0.717	0.747
OU2MW-42I2	33 North Clinton	--	--	--	--	--	--	--	--	0.358	0.382
OU2MW-42S	33 North Clinton	--	--	--	--	--	--	--	--	0.489	0.571
OU2MW-43D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-45D	34 North Clinton	--	--	--	--	--	0.417	0.360	0.466	0.413	0.331
OU2MW-45I	34 North Clinton	--	--	--	--	--	0.493	0.423	0.509	0.436	0.378
OU2MW-45I2	34 North Clinton	--	--	--	--	--	0.550	0.345	0.451	0.398	0.323
OU2MW-45S	34 North Clinton	--	--	--	--	--	0.224	0.176	0.245	0.207	0.182
OU2MW-46I	34 North Clinton	--	--	--	--	--	0.627	0.565	0.745	0.750	0.574
OU2MW-46I2	34 North Clinton	--	--	--	--	--	0.322	0.233	0.503	0.586	0.407
OU2MW-46S	34 North Clinton	--	--	--	--	--	0.593	0.525	0.693	0.596	0.557
OU2MW-47D	34 North Clinton	--	--	--	--	--	0.503	0.386	0.434	0.376	0.276
OU2MW-47I	34 North Clinton	--	--	--	--	--	0.960	0.662	1.020	0.722	0.502
OU2MW-47I2	34 North Clinton	--	--	--	--	--	0.719	0.446	0.530	0.513	0.462
OU2MW-47S	34 North Clinton	--	--	--	--	--	0.350	0.265	0.320	0.256	0.177
OU2MW-52D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-52I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-52S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
Dissolved Oxygen (mg/L)											
BBMW-25D	Montauk Highway	27.0	27.0	33.0	33.0	30.0	22.0	14.6	18.0	16.0	16.0
BBMW-25I	Montauk Highway	15.0	20.0	15.0	12.0	12.0	16.0	2.0	2.0	0.0	0.0
BBMW-25S	Montauk Highway	27.0	26.0	29.0	37.0	36.0	36.0	23.0	23.0	15.0	10.0
GMP-01	Manatuck Lane	0.0	--	--	0.0	--	--	0.0	--	--	0.0
GMP-02	Manatuck Lane	20.0	--	--	--	20.0	--	20.0	--	--	24.0
GMP-04	Manatuck Lane	19.0	--	--	--	16.7	--	18.1	--	--	0.0
OU2MW-01D	Montauk Highway	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	2.0	0.4
OU2MW-01I	Montauk Highway	33.0	32.0	43.0	25.0	32.0	36.0	39.0	32.0	23.0	0.0
OU2MW-01I2	Montauk Highway	24.0	14.0	19.0	21.0	24.0	18.0	34.0	19.0	22.0	17.7
OU2MW-01S	Montauk Highway	4.1	4.9	2.0	4.0	2.0	2.0	5.0	4.0	1.0	0.0
OU2MW-01WT	Montauk Highway	--	0.0	--	0.0	--	--	0.0	--	13.0	9.0
OU2MW-02D	Montauk Highway	--	0.0	--	0.0	--	--	0.0	--	--	5.2
OU2MW-02I	Montauk Highway	--	0.0	--	0.0	--	--	0.0	--	--	5.4
OU2MW-02I2	Montauk Highway	--	0.0	--	0.0	--	--	0.0	--	--	5.2
OU2MW-02S	Montauk Highway	--	4.5	--	3.5	--	--	12.1	--	--	5.8
OU2MW-03D	Montauk Highway	--	0.0	--	0.0	--	--	0.0	--	--	5.9
OU2MW-03I	Montauk Highway	--	4.1	--	0.0	--	--	3.8	--	--	9.5
OU2MW-03I2	Montauk Highway	--	17.3	--	20.0	--	--	20.0	--	--	18.4
OU2MW-03S	Montauk Highway	--	0.0	--	0.0	--	--	0.0	--	--	5.7

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	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09	Apr-09	May-09
OU2MW-04D	Montauk Highway	--	0.0	--	0.0	--	--	0.0	--	--	5.2
OU2MW-04I	Montauk Highway	--	0.0	--	0.0	--	--	0.0	--	--	9.9
OU2MW-04I2	Montauk Highway	--	0.0	--	0.1	--	--	0.0	--	--	5.6
OU2MW-04S	Montauk Highway	--	0.0	--	0.3	--	--	0.0	--	--	5.7
OU2MW-04WT	Montauk Highway	--	2.6	--	1.9	--	--	5.7	--	--	8.0
OU2MW-06	Manatuck Lane	30.0	23.0	31.0	30.0	21.0	21.0	20.0	39.0	23.0	21.0
OU2MW-06S	Manatuck Lane	9.0	10.0	8.0	5.0	6.8	15.0	13.2	20.0	18.0	16.4
OU2MW-07	Manatuck Lane	29.0	34.0	33.0	34.0	36.0	30.0	20.0	36.0	4.0	14.9
OU2MW-07S	Manatuck Lane	14.0	15.0	4.0	10.0	--	17.0	20.0	24.0	11.0	7.0
OU2MW-08D	Montauk Highway	0.0	--	--	--	0.0	--	0.0	--	--	--
OU2MW-08I	Montauk Highway	0.0	--	--	--	0.0	--	0.0	--	--	--
OU2MW-08I2	Montauk Highway	0.0	--	--	--	0.0	--	0.0	--	--	--
OU2MW-08S	Montauk Highway	0.0	--	--	--	--	--	0.0	--	--	--
OU2MW-08WT	Montauk Highway	1.3	--	--	--	--	--	5.2	--	--	--
OU2MW-19D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-19I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-19I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-28I	9 North Clinton	--	--	--	--	--	--	--	0.0	13.9	15.3
OU2MW-28I2	9 North Clinton	--	--	--	--	--	--	--	0.0	0.0	0.0
OU2MW-28S	9 North Clinton	--	--	--	--	--	--	--	13.2	22.0	20.0
OU2MW-29D	9 North Clinton	--	--	--	--	--	--	--	0.0	0.0	0.0
OU2MW-29I	9 North Clinton	--	--	--	--	--	--	--	0.0	0.0	0.0
OU2MW-29I2	9 North Clinton	--	--	--	--	--	--	--	41.0	20.0	24.0
OU2MW-30D	9 North Clinton	--	--	--	--	--	--	--	2.1	32.0	20.0
OU2MW-30D2	9 North Clinton	--	--	--	--	--	--	--	0.0	29.0	17.6
OU2MW-30I	9 North Clinton	--	--	--	--	--	--	--	1.0	25.0	18.1
OU2MW-30I2	9 North Clinton	--	--	--	--	--	--	--	2.1	42.0	45.0
OU2MW-30I3	9 North Clinton	--	--	--	--	--	--	--	15.8	37.0	29.0
OU2MW-30S	9 North Clinton	--	--	--	--	--	--	--	0.0	22.0	21.0
OU2MW-31I	9 North Clinton	--	--	--	--	0.0	--	--	7.0	9.1	10.2
OU2MW-31I2	9 North Clinton	--	--	--	--	0.0	--	--	24.0	24.0	22.0
OU2MW-32D	9 North Clinton	--	--	--	--	0.0	--	--	0.0	0.0	6.9
OU2MW-32I	9 North Clinton	--	--	--	--	0.0	--	--	0.0	0.0	0.0
OU2MW-32I2	9 North Clinton	--	--	--	--	0.0	--	--	0.0	0.0	5.4
OU2MW-32S	9 North Clinton	--	--	--	--	0.0	--	--	4.2	0.0	0.0
OU2MW-35D	33 North Clinton	--	--	--	--	--	--	--	0.0	0.0	0.0
OU2MW-35I	33 North Clinton	--	--	--	--	--	--	--	0.0	0.0	20.0
OU2MW-35I2	33 North Clinton	--	--	--	--	--	--	--	0.0	33.0	54.0
OU2MW-35S	33 North Clinton	--	--	--	--	--	--	--	5.5	5.1	32.0
OU2MW-36D	33 North Clinton	--	--	--	--	--	--	--	0.0	0.0	0.0
OU2MW-36I	33 North Clinton	--	--	--	--	--	--	--	0.0	0.0	0.0
OU2MW-36I2	33 North Clinton	--	--	--	--	--	--	--	0.0	0.0	0.0
OU2MW-36S	33 North Clinton	--	--	--	--	--	--	--	5.0	6.0	0.0
OU2MW-37D	33 North Clinton	--	--	--	--	--	--	--	0.0	0.0	0.0
OU2MW-37I	33 North Clinton	--	--	--	--	--	--	--	0.0	29.0	29.0
OU2MW-37I2	33 North Clinton	--	--	--	--	--	--	--	0.0	0.2	0.0
OU2MW-37S	33 North Clinton	--	--	--	--	--	--	--	0.0	12.7	19.8
OU2MW-39D	33 North Clinton	--	--	--	--	--	--	--	0.0	0.0	0.0
OU2MW-39I	33 North Clinton	--	--	--	--	--	--	--	7.2	2.7	17.0
OU2MW-39I2	33 North Clinton	--	--	--	--	--	--	--	0.0	0.0	0.0
OU2MW-39S	33 North Clinton	--	--	--	--	--	--	--	1.8	1.9	14.7
OU2MW-42D	33 North Clinton	--	--	--	--	--	--	--	--	34.0	23.0
OU2MW-42I	33 North Clinton	--	--	--	--	--	--	--	--	9.4	10.0
OU2MW-42I2	33 North Clinton	--	--	--	--	--	--	--	--	14.5	26.0
OU2MW-42S	33 North Clinton	--	--	--	--	--	--	--	--	0.0	0.0

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Well ID	Oxygen Injection System	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09	Apr-09	May-09
OU2MW-43D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-45D	34 North Clinton	--	--	--	--	--	0.0	0.0	4.6	8.8	14.9
OU2MW-45I	34 North Clinton	--	--	--	--	--	6.6	21.0	20.0	16.2	16.2
OU2MW-45I2	34 North Clinton	--	--	--	--	--	9.4	28.0	20.0	26.0	19.1
OU2MW-45S	34 North Clinton	--	--	--	--	--	1.5	9.1	10.7	9.1	9.6
OU2MW-46I	34 North Clinton	--	--	--	--	--	41.0	41.0	20.0	21.0	36.0
OU2MW-46I2	34 North Clinton	--	--	--	--	--	13.3	37.0	20.0	24.0	38.0
OU2MW-46S	34 North Clinton	--	--	--	--	--	27.0	31.0	20.0	22.0	31.0
OU2MW-47D	34 North Clinton	--	--	--	--	--	11.2	30.0	20.0	23.0	16.6
OU2MW-47I	34 North Clinton	--	--	--	--	--	0.0	24.0	20.0	26.0	26.0
OU2MW-47I2	34 North Clinton	--	--	--	--	--	6.8	36.0	20.0	22.0	31.0
OU2MW-47S	34 North Clinton	--	--	--	--	--	0.0	9.9	20.0	22.0	18.4
OU2MW-52D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-52I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-52S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
Oxidation Reduction Potential (mV)											
BBMW-25D	Montauk Highway	115	177	191	187	178	105	179	227	201	185
BBMW-25I	Montauk Highway	-17	25	59	2	10	27	-38	-38	-77	-98
BBMW-25S	Montauk Highway	118	129	155	184	135	94	144	183	149	118
GMP-01	Manatuck Lane	-231	--	--	-130	--	--	-197	--	--	-128
GMP-02	Manatuck Lane	176	--	--	--	123	--	142	--	--	304
GMP-04	Manatuck Lane	141	--	--	--	153	--	162	--	--	300
OU2MW-01D	Montauk Highway	55	86	57	210	148	141	145	103	261	58
OU2MW-01I	Montauk Highway	157	139	170	179	146	93	146	235	220	119
OU2MW-01I2	Montauk Highway	203	116	124	146	170	99	130	189	146	120
OU2MW-01S	Montauk Highway	-15	-18	-19	-2	-11	-23	-10	58	33	-23
OU2MW-01WT	Montauk Highway	121	41	-2	-5	22	8	100	127	54	5
OU2MW-02D	Montauk Highway	--	74	--	63	--	--	73	--	--	151
OU2MW-02I	Montauk Highway	--	-40	--	-34	--	--	-35	--	--	-46
OU2MW-02I2	Montauk Highway	--	-17	--	8	--	--	-9	--	--	23
OU2MW-02S	Montauk Highway	--	-38	--	2	--	--	47	--	--	0
OU2MW-03D	Montauk Highway	--	48	--	50	--	--	48	--	--	73
OU2MW-03I	Montauk Highway	--	170	--	157	--	--	115	--	--	159
OU2MW-03I2	Montauk Highway	--	45	--	62	--	--	76	--	--	97
OU2MW-03S	Montauk Highway	--	-153	--	-126	--	--	-141	--	--	-113
OU2MW-04D	Montauk Highway	--	-31	--	-29	--	--	-63	--	--	-2
OU2MW-04I	Montauk Highway	--	9	--	9	--	--	34	--	--	38
OU2MW-04I2	Montauk Highway	--	-44	--	-17	--	--	-25	--	--	-10
OU2MW-04S	Montauk Highway	--	-153	--	-104	--	--	-142	--	--	-116
OU2MW-04WT	Montauk Highway	--	117	--	121	--	--	77	--	--	176
OU2MW-06	Manatuck Lane	147	146	193	191	139	92	193	219	179	139
OU2MW-06S	Manatuck Lane	110	120	163	167	85	85	180	177	163	259
OU2MW-07	Manatuck Lane	179	150	191	201	152	89	194	253	167	320
OU2MW-07S	Manatuck Lane	170	158	174	132	--	98	201	252	213	371
OU2MW-08D	Montauk Highway	25	--	--	--	81	--	64	--	--	--
OU2MW-08I	Montauk Highway	-36	--	--	--	-21	--	-40	--	--	--
OU2MW-08I2	Montauk Highway	-106	--	--	--	-115	--	-137	--	--	--
OU2MW-08S	Montauk Highway	-116	--	--	--	--	--	-147	--	--	--
OU2MW-08WT	Montauk Highway	139	--	--	--	--	--	115	--	--	--

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	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09	Apr-09	May-09
OU2MW-19D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-19I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-19I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-28I	9 North Clinton	--	--	--	--	--	--	--	-155	41	100
OU2MW-28I2	9 North Clinton	--	--	--	--	--	--	--	102	164	157
OU2MW-28S	9 North Clinton	--	--	--	--	--	--	--	119	174	134
OU2MW-29D	9 North Clinton	--	--	--	--	--	--	--	-83	-120	-132
OU2MW-29I	9 North Clinton	--	--	--	--	--	--	--	-108	-88	-94
OU2MW-29I2	9 North Clinton	--	--	--	--	--	--	--	86	140	102
OU2MW-30D	9 North Clinton	--	--	--	--	--	--	--	85	191	170
OU2MW-30D2	9 North Clinton	--	--	--	--	--	--	--	-35	109	147
OU2MW-30I	9 North Clinton	--	--	--	--	--	--	--	-74	41	251
OU2MW-30I2	9 North Clinton	--	--	--	--	--	--	--	-21	160	320
OU2MW-30I3	9 North Clinton	--	--	--	--	--	--	--	77	188	131
OU2MW-30S	9 North Clinton	--	--	--	--	--	--	--	38	169	324
OU2MW-31I	9 North Clinton	--	--	--	--	-134	--	--	-39	11	88
OU2MW-31I2	9 North Clinton	--	--	--	--	-13	--	--	85	229	339
OU2MW-32D	9 North Clinton	--	--	--	--	-3	--	--	7	-11	2
OU2MW-32I	9 North Clinton	--	--	--	--	-130	--	--	-102	-135	-116
OU2MW-32I2	9 North Clinton	--	--	--	--	-118	--	--	-109	-118	-112
OU2MW-32S	9 North Clinton	--	--	--	--	124	--	--	209	130	151
OU2MW-35D	33 North Clinton	--	--	--	--	--	--	--	40	53	101
OU2MW-35I	33 North Clinton	--	--	--	--	--	--	--	-103	-60	197
OU2MW-35I2	33 North Clinton	--	--	--	--	--	--	--	162	251	306
OU2MW-35S	33 North Clinton	--	--	--	--	--	--	--	-3	14	335
OU2MW-36D	33 North Clinton	--	--	--	--	--	--	--	-2	13	46
OU2MW-36I	33 North Clinton	--	--	--	--	--	--	--	-8	-7	23
OU2MW-36I2	33 North Clinton	--	--	--	--	--	--	--	199	226	204
OU2MW-36S	33 North Clinton	--	--	--	--	--	--	--	148	147	309
OU2MW-37D	33 North Clinton	--	--	--	--	--	--	--	93	122	140
OU2MW-37I	33 North Clinton	--	--	--	--	--	--	--	68	171	215
OU2MW-37I2	33 North Clinton	--	--	--	--	--	--	--	222	246	202
OU2MW-37S	33 North Clinton	--	--	--	--	--	--	--	96	146	199
OU2MW-39D	33 North Clinton	--	--	--	--	--	--	--	38	60	129
OU2MW-39I	33 North Clinton	--	--	--	--	--	--	--	17	-20	87
OU2MW-39I2	33 North Clinton	--	--	--	--	--	--	--	128	135	211
OU2MW-39S	33 North Clinton	--	--	--	--	--	--	--	147	184	226
OU2MW-42D	33 North Clinton	--	--	--	--	--	--	--	--	154	357
OU2MW-42I	33 North Clinton	--	--	--	--	--	--	--	--	2	64
OU2MW-42I2	33 North Clinton	--	--	--	--	--	--	--	--	154	255
OU2MW-42S	33 North Clinton	--	--	--	--	--	--	--	--	-109	-78
OU2MW-43D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-45D	34 North Clinton	--	--	--	--	--	122	80	123	167	202
OU2MW-45I	34 North Clinton	--	--	--	--	--	-36	27	20	18	38
OU2MW-45I2	34 North Clinton	--	--	--	--	--	162	98	160	171	133
OU2MW-45S	34 North Clinton	--	--	--	--	--	-59	46	44	66	51
OU2MW-46I	34 North Clinton	--	--	--	--	--	68	127	151	167	172
OU2MW-46I2	34 North Clinton	--	--	--	--	--	175	164	174	217	218
OU2MW-46S	34 North Clinton	--	--	--	--	--	96	126	159	189	215

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	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09	Apr-09	May-09
OU2MW-47D	34 North Clinton	--	--	--	--	--	151	161	120	157	128
OU2MW-47I	34 North Clinton	--	--	--	--	--	-104	15	44	91	138
OU2MW-47I2	34 North Clinton	--	--	--	--	--	144	134	116	178	199
OU2MW-47S	34 North Clinton	--	--	--	--	--	-62	21	84	189	206
OU2MW-52D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-52I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-52S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
pH (std. units)											
BBMW-25D	Montauk Highway	5.37	5.45	5.19	5.57	4.80	5.35	5.14	5.63	5.70	5.59
BBMW-25I	Montauk Highway	6.08	6.12	6.39	6.27	6.90	6.22	5.88	6.36	6.45	6.78
BBMW-25S	Montauk Highway	6.15	6.14	6.00	6.20	5.54	6.08	5.69	6.07	6.12	6.01
GMP-01	Manatuck Lane	6.60	--	--	7.49	--	--	6.51	--	--	6.64
GMP-02	Manatuck Lane	5.72	--	--	--	5.73	--	5.88	--	--	6.08
GMP-04	Manatuck Lane	5.93	--	--	--	4.86	--	6.36	--	--	5.79
OU2MW-01D	Montauk Highway	5.22	5.60	5.98	5.69	4.85	4.63	5.16	5.62	5.52	5.46
OU2MW-01I	Montauk Highway	5.79	5.97	6.15	5.90	5.88	5.88	5.55	5.92	5.97	5.98
OU2MW-01I2	Montauk Highway	5.77	6.01	6.23	6.25	5.48	5.72	5.66	5.97	5.93	6.06
OU2MW-01S	Montauk Highway	5.93	5.91	6.55	5.88	5.88	5.88	5.65	6.04	5.97	6.24
OU2MW-01WT	Montauk Highway	6.28	6.41	7.02	6.52	6.48	6.46	6.35	6.46	6.48	6.42
OU2MW-02D	Montauk Highway	--	5.33	--	5.80	--	--	5.36	--	--	5.52
OU2MW-02I	Montauk Highway	--	6.19	--	6.31	--	--	6.01	--	--	6.34
OU2MW-02I2	Montauk Highway	--	5.98	--	6.16	--	--	5.96	--	--	5.87
OU2MW-02S	Montauk Highway	--	6.12	--	6.27	--	--	5.92	--	--	6.35
OU2MW-03D	Montauk Highway	--	5.30	--	6.04	--	--	5.76	--	--	5.82
OU2MW-03I	Montauk Highway	--	5.40	--	5.86	--	--	5.68	--	--	5.94
OU2MW-03I2	Montauk Highway	--	5.45	--	6.18	--	--	5.76	--	--	5.84
OU2MW-03S	Montauk Highway	--	6.58	--	6.64	--	--	6.48	--	--	6.77
OU2MW-04D	Montauk Highway	--	5.98	--	6.44	--	--	5.94	--	--	6.08
OU2MW-04I	Montauk Highway	--	5.90	--	6.11	--	--	5.50	--	--	5.96
OU2MW-04I2	Montauk Highway	--	6.00	--	6.29	--	--	5.72	--	--	6.22
OU2MW-04S	Montauk Highway	--	6.45	--	6.61	--	--	6.17	--	--	6.65
OU2MW-04WT	Montauk Highway	--	5.93	--	6.21	--	--	5.80	--	--	5.81
OU2MW-06	Manatuck Lane	5.88	5.85	5.79	5.64	5.20	6.08	6.39	6.06	6.17	6.04
OU2MW-06S	Manatuck Lane	6.28	6.01	6.18	5.89	5.71	6.30	6.87	6.54	6.49	6.41
OU2MW-07	Manatuck Lane	5.67	5.87	6.02	5.51	5.36	5.78	6.12	6.00	6.06	6.04
OU2MW-07S	Manatuck Lane	5.40	5.74	5.57	6.54	--	5.73	6.14	5.77	5.71	5.87
OU2MW-08D	Montauk Highway	5.52	--	--	--	6.69	--	5.57	--	--	--
OU2MW-08I	Montauk Highway	6.05	--	--	--	6.16	--	5.94	--	--	--
OU2MW-08I2	Montauk Highway	6.38	--	--	--	6.53	--	6.37	--	--	--
OU2MW-08S	Montauk Highway	6.45	--	--	--	--	--	6.34	--	--	--
OU2MW-08WT	Montauk Highway	6.30	--	--	--	--	--	6.34	--	--	--
OU2MW-19D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-19I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-19I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-28I	9 North Clinton	--	--	--	--	--	--	--	6.36	6.08	6.07
OU2MW-28I2	9 North Clinton	--	--	--	--	--	--	--	5.67	6.05	5.89
OU2MW-28S	9 North Clinton	--	--	--	--	--	--	--	5.70	6.09	6.14
OU2MW-29D	9 North Clinton	--	--	--	--	--	--	--	6.31	6.60	6.49
OU2MW-29I	9 North Clinton	--	--	--	--	--	--	--	6.49	6.49	6.32
OU2MW-29I2	9 North Clinton	--	--	--	--	--	--	--	6.10	6.38	6.25

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Well ID	Oxygen Injection System	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09	Apr-09	May-09
OU2MW-30D	9 North Clinton	--	--	--	--	--	--	--	5.59	6.10	6.04
OU2MW-30D2	9 North Clinton	--	--	--	--	--	--	--	5.67	5.82	5.66
OU2MW-30I	9 North Clinton	--	--	--	--	--	--	--	6.16	6.30	6.05
OU2MW-30I2	9 North Clinton	--	--	--	--	--	--	--	6.04	6.37	5.80
OU2MW-30I3	9 North Clinton	--	--	--	--	--	--	--	5.72	6.14	6.10
OU2MW-30S	9 North Clinton	--	--	--	--	--	--	--	5.90	6.39	5.97
OU2MW-31I	9 North Clinton	--	--	--	--	9.22	--	--	6.16	6.06	6.17
OU2MW-31I2	9 North Clinton	--	--	--	--	7.90	--	--	5.69	5.73	5.39
OU2MW-32D	9 North Clinton	--	--	--	--	7.52	--	--	6.13	6.26	6.29
OU2MW-32I	9 North Clinton	--	--	--	--	9.14	--	--	6.38	6.79	7.17
OU2MW-32I2	9 North Clinton	--	--	--	--	9.14	--	--	6.69	6.82	6.84
OU2MW-32S	9 North Clinton	--	--	--	--	5.75	--	--	5.83	6.28	6.05
OU2MW-35D	33 North Clinton	--	--	--	--	--	--	--	5.69	5.57	6.01
OU2MW-35I	33 North Clinton	--	--	--	--	--	--	--	6.71	6.55	6.54
OU2MW-35I2	33 North Clinton	--	--	--	--	--	--	--	5.34	5.46	5.02
OU2MW-35S	33 North Clinton	--	--	--	--	--	--	--	6.56	6.29	5.81
OU2MW-36D	33 North Clinton	--	--	--	--	--	--	--	5.92	5.78	5.82
OU2MW-36I	33 North Clinton	--	--	--	--	--	--	--	6.42	6.37	6.37
OU2MW-36I2	33 North Clinton	--	--	--	--	--	--	--	5.28	5.14	5.19
OU2MW-36S	33 North Clinton	--	--	--	--	--	--	--	6.44	6.40	6.15
OU2MW-37D	33 North Clinton	--	--	--	--	--	--	--	5.08	5.07	5.29
OU2MW-37I	33 North Clinton	--	--	--	--	--	--	--	6.31	6.23	6.25
OU2MW-37I2	33 North Clinton	--	--	--	--	--	--	--	5.56	5.52	5.91
OU2MW-37S	33 North Clinton	--	--	--	--	--	--	--	6.58	6.42	6.42
OU2MW-39D	33 North Clinton	--	--	--	--	--	--	--	6.97	5.38	4.95
OU2MW-39I	33 North Clinton	--	--	--	--	--	--	--	7.49	6.39	5.71
OU2MW-39I2	33 North Clinton	--	--	--	--	--	--	--	5.60	4.95	5.81
OU2MW-39S	33 North Clinton	--	--	--	--	--	--	--	5.67	6.03	5.57
OU2MW-42D	33 North Clinton	--	--	--	--	--	--	--	--	5.14	4.24
OU2MW-42I	33 North Clinton	--	--	--	--	--	--	--	--	6.46	6.70
OU2MW-42I2	33 North Clinton	--	--	--	--	--	--	--	--	6.02	5.93
OU2MW-42S	33 North Clinton	--	--	--	--	--	--	--	--	6.53	6.57
OU2MW-43D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-45D	34 North Clinton	--	--	--	--	--	6.03	6.06	5.54	6.14	5.84
OU2MW-45I	34 North Clinton	--	--	--	--	--	6.56	6.06	5.73	6.33	6.37
OU2MW-45I2	34 North Clinton	--	--	--	--	--	6.37	6.17	5.79	5.28	6.23
OU2MW-45S	34 North Clinton	--	--	--	--	--	6.22	5.91	5.54	6.00	6.17
OU2MW-46I	34 North Clinton	--	--	--	--	--	6.26	6.34	6.00	6.52	6.30
OU2MW-46I2	34 North Clinton	--	--	--	--	--	6.00	5.77	5.50	5.90	6.24
OU2MW-46S	34 North Clinton	--	--	--	--	--	6.42	6.11	5.61	6.13	5.71
OU2MW-47D	34 North Clinton	--	--	--	--	--	5.55	5.35	5.19	5.63	5.80
OU2MW-47I	34 North Clinton	--	--	--	--	--	6.55	6.18	5.84	6.38	6.41
OU2MW-47I2	34 North Clinton	--	--	--	--	--	6.28	6.16	5.91	6.26	6.09
OU2MW-47S	34 North Clinton	--	--	--	--	--	6.33	5.78	5.44	5.90	5.55
OU2MW-52D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-52I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-52S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53S	Manatuck 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	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09	Apr-09	May-09
Temperature (deg C)											
BBMW-25D	Montauk Highway	19.5	18.0	13.7	10.7	11.6	9.2	8.1	11.3	12.1	14.2
BBMW-25I	Montauk Highway	19.4	18.1	13.1	12.6	12.4	10.6	10.9	11.9	14.5	15.9
BBMW-25S	Montauk Highway	20.3	20.9	15.7	14.3	12.0	9.6	3.7	12.0	13.5	15.8
GMP-01	Manatuck Lane	18.8	--	--	14.2	--	--	13.5	--	--	13.6
GMP-02	Manatuck Lane	17.1	--	--	--	13.2	--	12.5	--	--	12.7
GMP-04	Manatuck Lane	18.5	--	--	--	15.4	--	13.2	--	--	13.4
OU2MW-01D	Montauk Highway	20.0	19.8	11.1	10.0	8.7	1.7	13.6	14.4	13.5	13.1
OU2MW-01I	Montauk Highway	20.1	21.6	12.3	5.3	6.6	5.1	14.7	12.1	13.7	15.0
OU2MW-01I2	Montauk Highway	15.3	17.6	11.6	10.8	7.0	5.5	12.6	15.5	13.4	15.0
OU2MW-01S	Montauk Highway	16.3	21.6	13.3	12.4	7.7	6.1	12.3	13.9	13.5	14.1
OU2MW-01WT	Montauk Highway	21.0	22.2	14.9	13.6	8.7	5.3	9.1	10.5	13.0	14.4
OU2MW-02D	Montauk Highway	--	15.5	--	11.4	--	--	10.4	--	--	20.0
OU2MW-02I	Montauk Highway	--	19.6	--	11.7	--	--	11.0	--	--	17.9
OU2MW-02I2	Montauk Highway	--	15.9	--	12.2	--	--	10.2	--	--	20.4
OU2MW-02S	Montauk Highway	--	21.2	--	12.8	--	--	10.9	--	--	18.0
OU2MW-03D	Montauk Highway	--	15.7	--	13.0	--	--	11.8	--	--	12.7
OU2MW-03I	Montauk Highway	--	16.1	--	14.0	--	--	13.1	--	--	13.8
OU2MW-03I2	Montauk Highway	--	15.8	--	13.3	--	--	12.1	--	--	13.1
OU2MW-03S	Montauk Highway	--	17.3	--	15.2	--	--	13.1	--	--	13.0
OU2MW-04D	Montauk Highway	--	19.4	--	11.1	--	--	6.5	--	--	13.7
OU2MW-04I	Montauk Highway	--	18.9	--	10.2	--	--	7.5	--	--	14.0
OU2MW-04I2	Montauk Highway	--	20.1	--	10.8	--	--	5.5	--	--	13.0
OU2MW-04S	Montauk Highway	--	19.0	--	10.0	--	--	7.6	--	--	12.3
OU2MW-04WT	Montauk Highway	--	21.1	--	9.9	--	--	4.9	--	--	11.6
OU2MW-06	Manatuck Lane	19.8	18.8	13.0	9.2	6.1	3.6	11.5	14.4	19.0	18.8
OU2MW-06S	Manatuck Lane	24.4	19.2	14.2	8.8	4.8	1.8	17.8	11.9	16.3	19.6
OU2MW-07	Manatuck Lane	19.5	17.4	15.1	14.1	13.8	12.9	12.3	11.3	12.3	12.9
OU2MW-07S	Manatuck Lane	22.7	20.2	15.7	14.4	--	8.5	7.9	7.7	9.5	12.6
OU2MW-08D	Montauk Highway	16.1	--	--	--	13.0	--	12.8	--	--	--
OU2MW-08I	Montauk Highway	16.1	--	--	--	13.3	--	13.4	--	--	--
OU2MW-08I2	Montauk Highway	16.1	--	--	--	12.5	--	12.9	--	--	--
OU2MW-08S	Montauk Highway	16.6	--	--	--	--	--	14.1	--	--	--
OU2MW-08WT	Montauk Highway	20.9	--	--	--	--	--	10.0	--	--	--
OU2MW-19D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-19I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-19I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-20S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-28I	9 North Clinton	--	--	--	--	--	--	--	11.8	12.4	14.9
OU2MW-28I2	9 North Clinton	--	--	--	--	--	--	--	11.7	12.6	12.8
OU2MW-28S	9 North Clinton	--	--	--	--	--	--	--	9.3	12.2	15.6
OU2MW-29D	9 North Clinton	--	--	--	--	--	--	--	11.4	12.0	14.9
OU2MW-29I	9 North Clinton	--	--	--	--	--	--	--	11.6	11.8	14.0
OU2MW-29I2	9 North Clinton	--	--	--	--	--	--	--	11.8	11.4	15.9
OU2MW-30D	9 North Clinton	--	--	--	--	--	--	--	11.9	12.5	15.2
OU2MW-30D2	9 North Clinton	--	--	--	--	--	--	--	11.9	12.8	15.1
OU2MW-30I	9 North Clinton	--	--	--	--	--	--	--	12.1	13.4	15.3
OU2MW-30I2	9 North Clinton	--	--	--	--	--	--	--	11.7	12.6	16.4
OU2MW-30I3	9 North Clinton	--	--	--	--	--	--	--	12.1	12.2	15.8
OU2MW-30S	9 North Clinton	--	--	--	--	--	--	--	10.3	11.6	14.9
OU2MW-31I	9 North Clinton	--	--	--	--	14.4	--	--	11.7	13.1	15.3
OU2MW-31I2	9 North Clinton	--	--	--	--	14.4	--	--	13.3	12.9	16.2
OU2MW-32D	9 North Clinton	--	--	--	--	12.1	--	--	8.7	12.1	16.2
OU2MW-32I	9 North Clinton	--	--	--	--	12.7	--	--	7.4	12.6	14.3
OU2MW-32I2	9 North Clinton	--	--	--	--	11.8	--	--	10.0	12.2	14.8
OU2MW-32S	9 North Clinton	--	--	--	--	10.7	--	--	7.8	12.0	15.5

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	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09	Apr-09	May-09
OU2MW-35D	33 North Clinton	--	--	--	--	--	--	--	12.1	15.6	13.2
OU2MW-35I	33 North Clinton	--	--	--	--	--	--	--	12.4	12.7	13.5
OU2MW-35I2	33 North Clinton	--	--	--	--	--	--	--	12.2	14.2	13.3
OU2MW-35S	33 North Clinton	--	--	--	--	--	--	--	12.7	10.6	12.3
OU2MW-36D	33 North Clinton	--	--	--	--	--	--	--	11.2	11.2	13.6
OU2MW-36I	33 North Clinton	--	--	--	--	--	--	--	10.5	12.2	13.0
OU2MW-36I2	33 North Clinton	--	--	--	--	--	--	--	10.9	11.9	13.5
OU2MW-36S	33 North Clinton	--	--	--	--	--	--	--	7.3	10.9	12.1
OU2MW-37D	33 North Clinton	--	--	--	--	--	--	--	12.4	11.9	13.6
OU2MW-37I	33 North Clinton	--	--	--	--	--	--	--	13.0	11.1	14.0
OU2MW-37I2	33 North Clinton	--	--	--	--	--	--	--	13.2	12.4	13.7
OU2MW-37S	33 North Clinton	--	--	--	--	--	--	--	11.1	12.0	12.6
OU2MW-39D	33 North Clinton	--	--	--	--	--	--	--	11.9	11.2	13.5
OU2MW-39I	33 North Clinton	--	--	--	--	--	--	--	12.9	11.6	12.7
OU2MW-39I2	33 North Clinton	--	--	--	--	--	--	--	12.0	12.0	13.5
OU2MW-39S	33 North Clinton	--	--	--	--	--	--	--	9.2	8.9	12.9
OU2MW-42D	33 North Clinton	--	--	--	--	--	--	--	--	11.3	13.1
OU2MW-42I	33 North Clinton	--	--	--	--	--	--	--	--	12.2	12.9
OU2MW-42I2	33 North Clinton	--	--	--	--	--	--	--	--	11.9	13.1
OU2MW-42S	33 North Clinton	--	--	--	--	--	--	--	--	9.4	11.2
OU2MW-43D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-43S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44D	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44I	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44I2	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-44S	Cooper Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-45D	34 North Clinton	--	--	--	--	--	13.2	12.0	12.3	14.0	13.6
OU2MW-45I	34 North Clinton	--	--	--	--	--	13.1	11.8	11.8	13.4	12.6
OU2MW-45I2	34 North Clinton	--	--	--	--	--	13.3	12.0	12.1	14.0	13.4
OU2MW-45S	34 North Clinton	--	--	--	--	--	12.4	9.3	9.3	11.9	12.1
OU2MW-46I	34 North Clinton	--	--	--	--	--	13.4	11.9	12.2	12.9	13.4
OU2MW-46I2	34 North Clinton	--	--	--	--	--	12.7	9.1	12.6	13.1	13.8
OU2MW-46S	34 North Clinton	--	--	--	--	--	11.3	9.0	9.6	12.1	13.8
OU2MW-47D	34 North Clinton	--	--	--	--	--	13.4	12.0	12.3	14.4	14.0
OU2MW-47I	34 North Clinton	--	--	--	--	--	13.8	12.5	12.3	12.9	13.0
OU2MW-47I2	34 North Clinton	--	--	--	--	--	13.1	12.6	12.9	14.0	14.1
OU2MW-47S	34 North Clinton	--	--	--	--	--	12.6	10.5	10.9	12.2	14.4
OU2MW-52D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-52I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-52S	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53D	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53I	Manatuck Lane	--	--	--	--	--	--	--	--	--	--
OU2MW-53S	Manatuck 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	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09
Conductivity (mS/cm)								
BBMW-25D	Montauk Highway	0.063	0.033	0.065	0.060	0.084	0.096	0.082
BBMW-25I	Montauk Highway	0.686	0.567	0.511	0.641	0.814	0.614	0.579
BBMW-25S	Montauk Highway	0.342	0.264	0.285	0.394	0.613	0.384	0.334
GMP-01	Manatuck Lane	--	--	0.798	--	--	0.775	--
GMP-02	Manatuck Lane	--	--	0.738	--	--	0.580	--
GMP-04	Manatuck Lane	--	--	0.238	--	--	0.394	0.425
OU2MW-01D	Montauk Highway	0.083	0.064	0.054	0.272	0.056	0.278	0.060
OU2MW-01I	Montauk Highway	0.746	0.920	0.558	0.704	0.553	0.775	0.499
OU2MW-01I2	Montauk Highway	0.112	0.116	0.079	0.106	0.090	0.138	0.094
OU2MW-01S	Montauk Highway	0.629	0.648	0.482	0.572	0.636	1.000	0.706
OU2MW-01WT	Montauk Highway	1.420	1.680	0.758	0.691	0.585	0.980	0.424
OU2MW-02D	Montauk Highway	--	--	--	0.050	--	0.058	--
OU2MW-02I	Montauk Highway	--	--	--	0.297	--	0.612	--
OU2MW-02I2	Montauk Highway	--	--	--	0.078	--	0.088	--
OU2MW-02S	Montauk Highway	--	--	--	0.674	--	0.522	--
OU2MW-03D	Montauk Highway	--	--	--	0.061	--	0.053	--
OU2MW-03I	Montauk Highway	--	--	--	0.507	--	0.832	--
OU2MW-03I2	Montauk Highway	--	--	--	0.196	--	0.186	--
OU2MW-03S	Montauk Highway	--	--	--	0.812	--	0.903	--
OU2MW-04D	Montauk Highway	--	--	--	0.080	--	0.076	--
OU2MW-04I	Montauk Highway	--	--	--	0.398	--	0.421	--
OU2MW-04I2	Montauk Highway	--	--	--	0.082	--	0.068	--
OU2MW-04S	Montauk Highway	--	--	--	0.637	--	0.653	--
OU2MW-04WT	Montauk Highway	--	--	--	0.187	--	0.206	--
OU2MW-06	Manatuck Lane	0.320	0.308	0.292	0.182	0.340	0.299	0.207
OU2MW-06S	Manatuck Lane	0.424	0.466	0.313	0.243	0.209	0.203	0.292
OU2MW-07	Manatuck Lane	0.380	0.360	0.387	0.496	0.612	0.465	0.514
OU2MW-07S	Manatuck Lane	0.452	0.279	0.207	0.186	0.186	0.176	0.201
OU2MW-08D	Montauk Highway	0.061	--	0.066	--	--	0.112	--
OU2MW-08I	Montauk Highway	0.898	--	0.741	--	--	0.781	--
OU2MW-08I2	Montauk Highway	0.457	--	0.375	--	--	0.817	--
OU2MW-08S	Montauk Highway	0.690	--	0.664	--	--	0.635	--
OU2MW-08WT	Montauk Highway	0.646	--	0.562	--	--	0.485	--
OU2MW-19D	Cooper Lane	--	--	--	--	--	1.350	--
OU2MW-19I	Cooper Lane	--	--	--	--	--	0.554	--
OU2MW-19I2	Cooper Lane	--	--	--	--	--	0.545	--
OU2MW-20D	Cooper Lane	--	--	--	--	--	0.110	0.085
OU2MW-20I	Cooper Lane	--	--	--	--	--	--	0.316
OU2MW-20I2	Cooper Lane	--	--	--	--	--	--	0.357
OU2MW-20S	Cooper Lane	--	--	--	--	--	0.414	0.267
OU2MW-28I	9 North Clinton	0.543	0.489	0.429	0.483	0.435	0.273	0.528
OU2MW-28I2	9 North Clinton	0.289	0.258	0.282	0.356	0.324	0.195	0.385
OU2MW-28S	9 North Clinton	0.367	0.327	0.317	0.317	0.250	0.148	0.322
OU2MW-29D	9 North Clinton	0.432	0.427	0.365	0.420	0.402	0.273	0.397
OU2MW-29I	9 North Clinton	0.730	0.635	0.580	0.645	0.734	0.488	0.803
OU2MW-29I2	9 North Clinton	0.463	0.569	0.606	0.723	0.649	0.425	0.526
OU2MW-30D	9 North Clinton	0.748	0.536	0.609	0.681	0.743	0.656	0.541
OU2MW-30D2	9 North Clinton	0.525	0.433	0.444	0.432	0.429	0.394	0.317
OU2MW-30I	9 North Clinton	0.530	0.633	0.702	0.709	0.619	0.691	0.442
OU2MW-30I2	9 North Clinton	0.565	0.595	0.710	0.661	0.599	0.569	0.471
OU2MW-30I3	9 North Clinton	0.616	0.507	0.587	0.609	0.640	0.498	0.558
OU2MW-30S	9 North Clinton	0.278	0.297	0.322	0.359	0.306	0.281	0.325
OU2MW-31I	9 North Clinton	0.615	0.730	0.596	0.496	0.748	0.690	0.503
OU2MW-31I2	9 North Clinton	0.461	0.483	0.599	0.574	0.590	0.551	0.463
OU2MW-32D	9 North Clinton	0.254	0.377	0.384	0.443	0.463	0.403	0.328
OU2MW-32I	9 North Clinton	0.717	0.679	0.569	0.649	0.629	1.050	0.711
OU2MW-32I2	9 North Clinton	0.593	0.583	0.592	0.491	0.441	0.999	0.575
OU2MW-32S	9 North Clinton	0.519	0.809	0.555	0.808	0.562	0.513	0.404
OU2MW-35D	33 North Clinton	0.320	0.403	0.522	0.554	0.436	0.356	0.297
OU2MW-35I	33 North Clinton	0.793	0.608	0.442	0.753	0.745	0.911	0.753
OU2MW-35I2	33 North Clinton	0.295	0.307	0.291	0.225	0.154	0.146	0.126
OU2MW-35S	33 North Clinton	0.465	0.265	0.250	0.397	0.441	0.626	0.559
OU2MW-36D	33 North Clinton	0.417	0.420	4.540	0.585	0.460	0.445	0.435
OU2MW-36I	33 North Clinton	0.538	0.521	0.689	0.716	0.528	0.541	0.529
OU2MW-36I2	33 North Clinton	0.239	0.185	0.191	0.195	0.258	0.347	0.299
OU2MW-36S	33 North Clinton	0.968	0.801	0.593	0.400	0.297	0.313	0.266

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	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09
OU2MW-37D	33 North Clinton	0.921	0.807	0.920	0.940	0.695	0.787	0.589
OU2MW-37I	33 North Clinton	0.423	0.429	0.550	0.693	0.606	0.581	0.616
OU2MW-37I2	33 North Clinton	0.631	0.483	0.455	0.532	0.399	0.442	0.308
OU2MW-37S	33 North Clinton	0.237	0.309	0.328	0.407	0.335	0.363	0.408
OU2MW-39D	33 North Clinton	0.429	0.600	0.615	0.827	0.770	0.723	0.545
OU2MW-39I	33 North Clinton	0.691	0.612	0.692	1.110	0.899	0.616	0.578
OU2MW-39I2	33 North Clinton	0.327	0.383	0.573	0.487	0.427	0.419	0.353
OU2MW-39S	33 North Clinton	0.382	0.387	0.342	0.315	0.339	0.311	0.316
OU2MW-42D	33 North Clinton	1.310	1.430	1.660	1.710	1.590	1.740	1.500
OU2MW-42I	33 North Clinton	0.601	0.541	1.050	1.170	0.828	0.692	0.749
OU2MW-42I2	33 North Clinton	0.390	0.314	0.331	0.327	0.264	0.357	0.374
OU2MW-42S	33 North Clinton	0.525	0.448	0.409	0.823	0.715	0.835	0.667
OU2MW-43D	Cooper Lane	--	--	--	--	--	1.880	1.920
OU2MW-43I	Cooper Lane	--	--	--	--	--	0.433	0.677
OU2MW-43I2	Cooper Lane	--	--	--	--	--	0.518	0.507
OU2MW-43S	Cooper Lane	--	--	--	--	--	0.684	0.680
OU2MW-44D	Cooper Lane	--	--	--	--	--	0.343	0.370
OU2MW-44I	Cooper Lane	--	--	--	--	--	0.222	0.255
OU2MW-44I2	Cooper Lane	--	--	--	--	--	0.391	0.348
OU2MW-44S	Cooper Lane	--	--	--	--	--	0.229	0.220
OU2MW-45D	34 North Clinton	0.386	0.318	0.202	0.193	0.196	0.161	0.163
OU2MW-45I	34 North Clinton	0.442	0.390	0.310	0.403	0.389	0.501	0.365
OU2MW-45I2	34 North Clinton	0.272	0.435	0.376	0.430	0.407	0.408	0.401
OU2MW-45S	34 North Clinton	0.160	0.198	0.166	0.326	0.333	0.390	0.275
OU2MW-46I	34 North Clinton	0.788	0.852	0.665	0.789	0.767	0.910	0.872
OU2MW-46I2	34 North Clinton	0.321	0.477	0.377	0.366	0.340	0.347	0.379
OU2MW-46S	34 North Clinton	0.628	1.400	1.210	0.754	0.572	0.553	0.921
OU2MW-47D	34 North Clinton	0.279	0.460	0.434	0.621	0.575	0.514	0.420
OU2MW-47I	34 North Clinton	0.674	0.565	0.359	0.390	0.366	0.455	0.291
OU2MW-47I2	34 North Clinton	0.399	0.575	0.547	0.622	0.534	0.494	0.499
OU2MW-47S	34 North Clinton	0.263	0.268	0.222	0.303	0.327	0.439	0.390
OU2MW-52D	Manatuck Lane	--	--	0.303	--	--	--	0.313
OU2MW-52I	Manatuck Lane	--	--	0.501	--	--	--	0.547
OU2MW-52S	Manatuck Lane	--	--	0.069	--	--	--	0.080
OU2MW-53D	Manatuck Lane	--	--	0.337	--	--	--	0.525
OU2MW-53I	Manatuck Lane	--	--	0.079	--	--	--	0.626
OU2MW-53S	Manatuck Lane	--	--	0.119	--	--	--	0.195
Dissolved Oxygen (mg/L)								
BBMW-25D	Montauk Highway	9.0	13.0	12.0	18.0	28.0	29.0	33.0
BBMW-25I	Montauk Highway	0.0	0.6	4.0	4.0	4.0	3.0	7.0
BBMW-25S	Montauk Highway	8.0	9.0	18.0	23.0	29.0	28.0	25.0
GMP-01	Manatuck Lane	--	--	0	--	--	0.0	--
GMP-02	Manatuck Lane	--	--	18.81	--	--	11.4	--
GMP-04	Manatuck Lane	--	--	5.46	--	--	10.7	20.0
OU2MW-01D	Montauk Highway	0.6	2.0	0.0	0.0	0.0	0.0	0.6
OU2MW-01I	Montauk Highway	0.0	3.0	7.0	23.0	28.0	34.0	36.0
OU2MW-01I2	Montauk Highway	13.0	11.0	6.6	5.0	8.0	9.0	12.0
OU2MW-01S	Montauk Highway	1.0	5.0	0.0	0.0	11.0	18.0	17.0
OU2MW-01WT	Montauk Highway	3.0	2.0	3.0	13.6	16.0	17.0	8.0
OU2MW-02D	Montauk Highway	--	--	--	0.0	--	0.0	--
OU2MW-02I	Montauk Highway	--	--	--	0.0	--	0.7	--
OU2MW-02I2	Montauk Highway	--	--	--	0.0	--	0.0	--
OU2MW-02S	Montauk Highway	--	--	--	0.0	--	4.1	--
OU2MW-03D	Montauk Highway	--	--	--	0.0	--	0.0	--
OU2MW-03I	Montauk Highway	--	--	--	3.9	--	1.6	--
OU2MW-03I2	Montauk Highway	--	--	--	24.0	--	14.6	--
OU2MW-03S	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	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09
OU2MW-04D	Montauk Highway	--	--	--	0.0	--	0.0	--
OU2MW-04I	Montauk Highway	--	--	--	21.0	--	12.4	--
OU2MW-04I2	Montauk Highway	--	--	--	0.0	--	0.0	--
OU2MW-04S	Montauk Highway	--	--	--	0.0	--	0.0	--
OU2MW-04WT	Montauk Highway	--	--	--	1.6	--	0.0	--
OU2MW-06	Manatuck Lane	8.0	10.0	15.5	17.0	28.0	35.0	43.0
OU2MW-06S	Manatuck Lane	1.0	0.8	4.19	6.0	9.0	9.0	5.0
OU2MW-07	Manatuck Lane	7.0	11.57	22.0	30.0	27.0	35.0	33.0
OU2MW-07S	Manatuck Lane	6.0	2.98	3.0	12.0	14.0	13.0	11.6
OU2MW-08D	Montauk Highway	0.0	--	0.0	--	--	0.0	--
OU2MW-08I	Montauk Highway	0.0	--	0.0	--	--	11.8	--
OU2MW-08I2	Montauk Highway	0.0	--	2.7	--	--	0.0	--
OU2MW-08S	Montauk Highway	0.0	--	0.0	--	--	0.0	--
OU2MW-08WT	Montauk Highway	4.0	--	3.9	--	--	1.2	--
OU2MW-19D	Cooper Lane	--	--	--	--	--	0.0	--
OU2MW-19I	Cooper Lane	--	--	--	--	--	0.0	--
OU2MW-19I2	Cooper Lane	--	--	--	--	--	0.1	--
OU2MW-20D	Cooper Lane	--	--	--	--	--	0.0	0.0
OU2MW-20I	Cooper Lane	--	--	--	--	--	--	0.0
OU2MW-20I2	Cooper Lane	--	--	--	--	--	--	0.0
OU2MW-20S	Cooper Lane	--	--	--	--	--	0.0	0.0
OU2MW-28I	9 North Clinton	27.0	20.0	30.0	37.0	8.4	0.6	30.0
OU2MW-28I2	9 North Clinton	0.0	0.0	0.0	0.3	0.0	0.0	8.0
OU2MW-28S	9 North Clinton	24.0	20.0	26.0	32.0	20.0	18.3	31.0
OU2MW-29D	9 North Clinton	0.0	0.0	0.0	0.0	0.0	0.0	1.6
OU2MW-29I	9 North Clinton	0.0	0.0	0.0	10.7	0.0	1.3	13.0
OU2MW-29I2	9 North Clinton	32.0	20.0	39.0	46.0	28.0	24.0	20.0
OU2MW-30D	9 North Clinton	27.0	19.5	29.0	40.0	39.0	28.0	35.0
OU2MW-30D2	9 North Clinton	9.1	3.0	0.0	2.5	14.6	18.0	55.0
OU2MW-30I	9 North Clinton	10.6	16.2	27.0	34.0	27.0	8.9	51.0
OU2MW-30I2	9 North Clinton	23.0	19.8	25.0	29.0	42.0	34.0	44.0
OU2MW-30I3	9 North Clinton	20.0	20.0	25.0	35.0	36.0	18.7	0.8
OU2MW-30S	9 North Clinton	13.7	11.6	23.0	28.0	26.0	25.0	0.9
OU2MW-31I	9 North Clinton	17.6	26.0	36.0	22.0	0.0	10.4	30.0
OU2MW-31I2	9 North Clinton	27.0	23.0	35.0	28.0	2.2	26.0	38.0
OU2MW-32D	9 North Clinton	0.0	0.0	0.0	0.4	0.0	0.0	0.0
OU2MW-32I	9 North Clinton	0.0	0.0	0.0	0.0	0.0	0.0	0.9
OU2MW-32I2	9 North Clinton	0.0	0.0	0.1	0.0	0.0	0.0	0.9
OU2MW-32S	9 North Clinton	1.6	0.4	3.2	6.4	0.0	2.4	3.7
OU2MW-35D	33 North Clinton	9.2	20.0	30.0	33.0	31.0	44.0	46.0
OU2MW-35I	33 North Clinton	27.0	42.0	33.0	36.0	20.0	34.0	50.0
OU2MW-35I2	33 North Clinton	37.0	20.0	42.0	39.0	26.0	32.0	55.0
OU2MW-35S	33 North Clinton	20.0	34.0	20.0	37.0	30.0	37.0	45.0
OU2MW-36D	33 North Clinton	0.0	0.0	3.2	0.0	0.0	0.0	0.0
OU2MW-36I	33 North Clinton	0.0	15.4	25.0	25.0	21.0	41.0	32.0
OU2MW-36I2	33 North Clinton	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OU2MW-36S	33 North Clinton	0.0	5.7	6.3	9.8	9.1	19.0	19.3
OU2MW-37D	33 North Clinton	0.0	0.0	3.0	0.0	0.0	0.0	0.0
OU2MW-37I	33 North Clinton	20.0	39.0	19.1	40.0	29.0	42.0	19.2
OU2MW-37I2	33 North Clinton	0.0	0.0	2.9	0.0	0.0	0.0	0.0
OU2MW-37S	33 North Clinton	17.1	29.0	15.6	31.0	25.0	25.0	24.0
OU2MW-39D	33 North Clinton	7.6	0.0	3.0	0.0	0.0	0.0	0.3
OU2MW-39I	33 North Clinton	20.0	38.0	32.0	19.0	28.0	49.0	32.0
OU2MW-39I2	33 North Clinton	7.6	0.0	2.8	0.0	0.0	0.0	1.1
OU2MW-39S	33 North Clinton	22.0	19.6	24.0	21.0	28.0	31.0	18.2
OU2MW-42D	33 North Clinton	25.0	30.0	20.0	19.1	28.0	17.0	24.0
OU2MW-42I	33 North Clinton	17.6	25.0	3.4	22.0	29.0	19.1	13.4
OU2MW-42I2	33 North Clinton	32.0	37.0	23.0	35.0	26.0	26.0	9.6
OU2MW-42S	33 North Clinton	0.0	4.0	7.0	1.8	4.2	3.0	2.2

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	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09
OU2MW-43D	Cooper Lane	--	--	--	--	--	0.0	1.6
OU2MW-43I	Cooper Lane	--	--	--	--	--	0.0	1.3
OU2MW-43I2	Cooper Lane	--	--	--	--	--	0.0	0.3
OU2MW-43S	Cooper Lane	--	--	--	--	--	0.0	0.0
OU2MW-44D	Cooper Lane	--	--	--	--	--	0.0	0.0
OU2MW-44I	Cooper Lane	--	--	--	--	--	0.0	0.0
OU2MW-44I2	Cooper Lane	--	--	--	--	--	0.0	0.0
OU2MW-44S	Cooper Lane	--	--	--	--	--	0.0	0.4
OU2MW-45D	34 North Clinton	19.3	19.3	19.2	20.0	22.0	36.0	27.0
OU2MW-45I	34 North Clinton	16.9	20.0	23.0	25.0	26.0	25.0	21.0
OU2MW-45I2	34 North Clinton	26.0	25.0	26.0	22.0	29.0	35.0	19.4
OU2MW-45S	34 North Clinton	5.2	5.9	6.6	3.8	3.4	1.4	2.3
OU2MW-46I	34 North Clinton	35.0	38.0	44.0	39.0	33.0	40.0	43.0
OU2MW-46I2	34 North Clinton	42.0	38.0	40.0	41.0	31.0	48.0	27.0
OU2MW-46S	34 North Clinton	20.0	28.0	28.0	34.0	27.0	31.0	25.0
OU2MW-47D	34 North Clinton	32.0	27.0	18.6	26.0	23.0	25.0	16.0
OU2MW-47I	34 North Clinton	31.0	36.0	38.0	43.0	28.0	38.0	40.0
OU2MW-47I2	34 North Clinton	32.0	40.0	40.0	46.0	25.0	43.0	35.0
OU2MW-47S	34 North Clinton	36.0	28.0	32.0	33.0	31.0	33.0	33.0
OU2MW-52D	Manatuck Lane	--	--	19.4	--	--	--	7.0
OU2MW-52I	Manatuck Lane	--	--	7.5	--	--	--	21.0
OU2MW-52S	Manatuck Lane	--	--	0	--	--	--	46.0
OU2MW-53D	Manatuck Lane	--	--	0	--	--	--	0.3
OU2MW-53I	Manatuck Lane	--	--	2.1	--	--	--	29.0
OU2MW-53S	Manatuck Lane	--	--	0	--	--	--	6.5
Oxidation Reduction Potential (mV)								
BBMW-25D	Montauk Highway	182	288	122	212	131	320	248
BBMW-25I	Montauk Highway	-70	-43	-10	-21	-32	17	11
BBMW-25S	Montauk Highway	181	211	97	167	22	290	168
GMP-01	Manatuck Lane	--	--	-158	--	--	-162	--
GMP-02	Manatuck Lane	--	--	273	--	--	154	--
GMP-04	Manatuck Lane	--	--	120	--	--	146	154
OU2MW-01D	Montauk Highway	80	250	-35	114	114	69	208
OU2MW-01I	Montauk Highway	103	351	82	158	182	195	166
OU2MW-01I2	Montauk Highway	85	226	106	182	121	195	161
OU2MW-01S	Montauk Highway	15	14	-128	14	89	175	146
OU2MW-01WT	Montauk Highway	-76	-18	-122	119	-13	-43	-4
OU2MW-02D	Montauk Highway	--	--	--	74	--	83	--
OU2MW-02I	Montauk Highway	--	--	--	-59	--	-46	--
OU2MW-02I2	Montauk Highway	--	--	--	32	--	-6	--
OU2MW-02S	Montauk Highway	--	--	--	-134	--	33	--
OU2MW-03D	Montauk Highway	--	--	--	62	--	52	--
OU2MW-03I	Montauk Highway	--	--	--	162	--	155	--
OU2MW-03I2	Montauk Highway	--	--	--	90	--	116	--
OU2MW-03S	Montauk Highway	--	--	--	-118	--	-125	--
OU2MW-04D	Montauk Highway	--	--	--	-24	--	-7	--
OU2MW-04I	Montauk Highway	--	--	--	113	--	67	--
OU2MW-04I2	Montauk Highway	--	--	--	-25	--	-21	--
OU2MW-04S	Montauk Highway	--	--	--	-122	--	-131	--
OU2MW-04WT	Montauk Highway	--	--	--	120	--	175	--
OU2MW-06	Manatuck Lane	231	245	104	201	45	303	397
OU2MW-06S	Manatuck Lane	152	198	68	161	82	259	110
OU2MW-07	Manatuck Lane	115	146	104	193	14	276	234
OU2MW-07S	Manatuck Lane	207	185	41	172	84	255	320
OU2MW-08D	Montauk Highway	66	--	45	--	--	115	--
OU2MW-08I	Montauk Highway	-23	--	-57	--	--	73	--
OU2MW-08I2	Montauk Highway	-94	--	-158	--	--	-74	--
OU2MW-08S	Montauk Highway	-103	--	-129	--	--	-103	--
OU2MW-08WT	Montauk Highway	142	--	96	--	--	98	--

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	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09
OU2MW-19D	Cooper Lane	--	--	--	--	--	-113	--
OU2MW-19I	Cooper Lane	--	--	--	--	--	-132	--
OU2MW-19I2	Cooper Lane	--	--	--	--	--	38	--
OU2MW-20D	Cooper Lane	--	--	--	--	--	-32	240
OU2MW-20I	Cooper Lane	--	--	--	--	--	--	-87
OU2MW-20I2	Cooper Lane	--	--	--	--	--	--	113
OU2MW-20S	Cooper Lane	--	--	--	--	--	77	83
OU2MW-28I	9 North Clinton	204	292	334	160	53	-48	397
OU2MW-28I2	9 North Clinton	272	151	245	123	-64	-24	186
OU2MW-28S	9 North Clinton	212	311	340	152	84	67	204
OU2MW-29D	9 North Clinton	-12	-105	-122	-138	-166	-152	-87
OU2MW-29I	9 North Clinton	-55	-69	-18	-14	-115	-66	66
OU2MW-29I2	9 North Clinton	185	371	269	202	95	91	397
OU2MW-30D	9 North Clinton	348	202	352	210	6	47	209
OU2MW-30D2	9 North Clinton	204	65	82	61	-39	-5	379
OU2MW-30I	9 North Clinton	102	105	214	107	223	-18	365
OU2MW-30I2	9 North Clinton	202	197	276	123	222	187	379
OU2MW-30I3	9 North Clinton	243	161	297	132	6	174	169
OU2MW-30S	9 North Clinton	224	177	355	196	237	213	198
OU2MW-31I	9 North Clinton	236	213	354	141	-63	-9	375
OU2MW-31I2	9 North Clinton	215	240	363	185	69	147	176
OU2MW-32D	9 North Clinton	12	46	41	144	-9	-32	348
OU2MW-32I	9 North Clinton	-132	-143	-156	-124	-116	-143	-116
OU2MW-32I2	9 North Clinton	-118	-116	-124	-138	-100	-119	-88
OU2MW-32S	9 North Clinton	125	90	72	129	-45	-11	365
OU2MW-35D	33 North Clinton	94	285	285	244	221	281	415
OU2MW-35I	33 North Clinton	306	328	124	203	229	38	352
OU2MW-35I2	33 North Clinton	245	332	368	275	228	270	410
OU2MW-35S	33 North Clinton	360	331	137	221	237	58	359
OU2MW-36D	33 North Clinton	39	18	-25	31	-12	-5	11
OU2MW-36I	33 North Clinton	77	123	280	218	216	271	424
OU2MW-36I2	33 North Clinton	170	154	216	265	208	4	125
OU2MW-36S	33 North Clinton	206	185	260	150	172	25	414
OU2MW-37D	33 North Clinton	122	112	-57	120	102	17	97
OU2MW-37I	33 North Clinton	191	256	290	207	158	307	404
OU2MW-37I2	33 North Clinton	260	296	64	233	215	-10	185
OU2MW-37S	33 North Clinton	145	312	272	198	192	302	387
OU2MW-39D	33 North Clinton	78	87	-58	120	93	-15	113
OU2MW-39I	33 North Clinton	325	306	245	198	209	248	405
OU2MW-39I2	33 North Clinton	170	168	106	208	211	78	288
OU2MW-39S	33 North Clinton	331	282	258	198	197	278	420
OU2MW-42D	33 North Clinton	386	327	311	372	370	365	362
OU2MW-42I	33 North Clinton	101	122	-21	86	86	88	57
OU2MW-42I2	33 North Clinton	299	287	302	219	215	98	355
OU2MW-42S	33 North Clinton	-72	-61	-42	-39	-60	-70	-65
OU2MW-43D	Cooper Lane	--	--	--	--	--	-111	47
OU2MW-43I	Cooper Lane	--	--	--	--	--	-45	26
OU2MW-43I2	Cooper Lane	--	--	--	--	--	0	-7
OU2MW-43S	Cooper Lane	--	--	--	--	--	-135	-100
OU2MW-44D	Cooper Lane	--	--	--	--	--	49	112
OU2MW-44I	Cooper Lane	--	--	--	--	--	90	71
OU2MW-44I2	Cooper Lane	--	--	--	--	--	37	25
OU2MW-44S	Cooper Lane	--	--	--	--	--	-65	37
OU2MW-45D	34 North Clinton	268	252	152	165	86	285	345
OU2MW-45I	34 North Clinton	76	71	63	43	64	31	200
OU2MW-45I2	34 North Clinton	99	180	200	95	95	260	334
OU2MW-45S	34 North Clinton	99	120	36	-19	-35	-63	1
OU2MW-46I	34 North Clinton	345	286	286	159	266	45	216
OU2MW-46I2	34 North Clinton	284	305	310	219	279	350	257
OU2MW-46S	34 North Clinton	253	300	275	197	271	350	228

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	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09
OU2MW-47D	34 North Clinton	156	240	167	100	144	167	263
OU2MW-47I	34 North Clinton	330	288	210	171	229	56	356
OU2MW-47I2	34 North Clinton	225	324	306	184	232	305	360
OU2MW-47S	34 North Clinton	340	343	314	206	244	58	256
OU2MW-52D	Manatuck Lane	--	--	140	--	--	--	243
OU2MW-52I	Manatuck Lane	--	--	85	--	--	--	357
OU2MW-52S	Manatuck Lane	--	--	-35	--	--	--	232
OU2MW-53D	Manatuck Lane	--	--	-98	--	--	--	-97
OU2MW-53I	Manatuck Lane	--	--	56	--	--	--	311
OU2MW-53S	Manatuck Lane	--	--	57	--	--	--	302
pH (std. units)								
BBMW-25D	Montauk Highway	4.02	5.07	5.32	5.23	5.48	5.56	4.81
BBMW-25I	Montauk Highway	6.01	6.29	6.24	6.29	8.06	6.31	6.02
BBMW-25S	Montauk Highway	5.10	6.03	6.16	6.09	7.40	6.29	5.98
GMP-01	Manatuck Lane	--	--	6.81	--	--	9.00	--
GMP-02	Manatuck Lane	--	--	5.00	--	--	5.03	--
GMP-04	Manatuck Lane	--	--	6.12	--	--	5.91	6.09
OU2MW-01D	Montauk Highway	5.99	5.50	5.65	5.20	5.97	5.21	5.03
OU2MW-01I	Montauk Highway	5.84	5.82	5.86	5.71	6.29	5.89	5.99
OU2MW-01I2	Montauk Highway	6.25	6.27	5.99	5.30	6.32	5.64	5.66
OU2MW-01S	Montauk Highway	6.30	6.47	6.31	5.83	6.62	6.07	6.19
OU2MW-01WT	Montauk Highway	6.53	6.42	6.51	6.24	7.14	6.67	6.53
OU2MW-02D	Montauk Highway	--	--	--	5.49	--	5.98	--
OU2MW-02I	Montauk Highway	--	--	--	6.22	--	7.79	--
OU2MW-02I2	Montauk Highway	--	--	--	5.80	--	7.05	--
OU2MW-02S	Montauk Highway	--	--	--	6.55	--	6.28	--
OU2MW-03D	Montauk Highway	--	--	--	6.96	--	6.20	--
OU2MW-03I	Montauk Highway	--	--	--	5.44	--	4.69	--
OU2MW-03I2	Montauk Highway	--	--	--	6.60	--	5.01	--
OU2MW-03S	Montauk Highway	--	--	--	6.70	--	8.76	--
OU2MW-04D	Montauk Highway	--	--	--	7.85	--	6.69	--
OU2MW-04I	Montauk Highway	--	--	--	5.61	--	5.55	--
OU2MW-04I2	Montauk Highway	--	--	--	7.83	--	7.46	--
OU2MW-04S	Montauk Highway	--	--	--	6.59	--	8.73	--
OU2MW-04WT	Montauk Highway	--	--	--	5.83	--	4.78	--
OU2MW-06	Manatuck Lane	5.54	5.87	5.87	5.78	7.26	5.65	4.04
OU2MW-06S	Manatuck Lane	5.73	6.18	6.25	6.14	6.61	6.33	5.62
OU2MW-07	Manatuck Lane	5.94	5.89	6.04	5.83	7.66	6.16	6.06
OU2MW-07S	Manatuck Lane	5.47	6.05	5.89	5.72	6.18	5.95	5.55
OU2MW-08D	Montauk Highway	5.71	--	5.73	--	--	5.25	--
OU2MW-08I	Montauk Highway	6.10	--	6.27	--	--	5.95	--
OU2MW-08I2	Montauk Highway	6.73	--	6.49	--	--	6.75	--
OU2MW-08S	Montauk Highway	7.04	--	6.68	--	--	8.27	--
OU2MW-08WT	Montauk Highway	6.28	--	6.35	--	--	5.59	--
OU2MW-19D	Cooper Lane	--	--	--	--	--	8.30	--
OU2MW-19I	Cooper Lane	--	--	--	--	--	8.53	--
OU2MW-19I2	Cooper Lane	--	--	--	--	--	6.04	--
OU2MW-20D	Cooper Lane	--	--	--	--	--	7.05	5.40
OU2MW-20I	Cooper Lane	--	--	--	--	--	--	7.15
OU2MW-20I2	Cooper Lane	--	--	--	--	--	--	5.62
OU2MW-20S	Cooper Lane	--	--	--	--	--	6.09	6.06
OU2MW-28I	9 North Clinton	5.90	5.79	5.81	5.69	6.21	6.54	5.03
OU2MW-28I2	9 North Clinton	5.04	6.12	5.64	6.11	6.14	6.31	5.43
OU2MW-28S	9 North Clinton	5.81	6.28	6.00	5.79	6.38	6.60	6.28
OU2MW-29D	9 North Clinton	6.95	7.87	6.62	6.38	7.12	7.32	6.64
OU2MW-29I	9 North Clinton	6.41	7.16	6.04	7.45	6.76	6.88	6.30
OU2MW-29I2	9 North Clinton	5.85	5.25	6.06	5.80	6.39	6.56	5.12

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	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09
OU2MW-30D	9 North Clinton	4.72	5.93	5.63	5.57	7.44	6.14	4.80
OU2MW-30D2	9 North Clinton	4.85	5.86	5.88	5.52	7.94	6.31	4.53
OU2MW-30I	9 North Clinton	5.95	6.12	5.97	6.28	5.88	6.40	4.54
OU2MW-30I2	9 North Clinton	5.78	6.21	5.90	6.00	5.98	5.91	4.93
OU2MW-30I3	9 North Clinton	5.01	6.00	5.70	5.56	7.38	5.66	5.09
OU2MW-30S	9 North Clinton	5.68	6.34	5.99	5.77	5.81	5.81	4.97
OU2MW-31I	9 North Clinton	5.01	6.10	6.08	6.30	8.21	6.37	5.39
OU2MW-31I2	9 North Clinton	5.30	5.98	5.84	6.05	5.99	5.92	6.50
OU2MW-32D	9 North Clinton	5.93	5.96	6.00	5.69	7.54	6.47	4.75
OU2MW-32I	9 North Clinton	7.36	5.80	6.86	6.47	6.30	6.28	6.81
OU2MW-32I2	9 North Clinton	7.17	7.17	6.63	6.47	6.24	6.20	6.64
OU2MW-32S	9 North Clinton	6.01	4.57	6.20	6.05	8.02	6.36	4.57
OU2MW-35D	33 North Clinton	5.67	4.99	4.71	4.60	4.69	4.99	4.68
OU2MW-35I	33 North Clinton	6.02	6.18	6.30	6.10	6.26	6.50	6.41
OU2MW-35I2	33 North Clinton	4.88	5.44	5.16	5.04	5.42	5.64	5.20
OU2MW-35S	33 North Clinton	5.51	5.95	5.87	5.71	5.98	6.10	6.13
OU2MW-36D	33 North Clinton	6.10	5.77	5.63	5.58	5.65	5.76	5.80
OU2MW-36I	33 North Clinton	6.43	6.14	5.90	5.57	5.94	5.96	5.94
OU2MW-36I2	33 North Clinton	5.61	5.19	5.04	4.48	5.08	6.67	5.08
OU2MW-36S	33 North Clinton	6.20	6.18	6.13	6.00	6.10	6.45	6.07
OU2MW-37D	33 North Clinton	4.56	5.18	5.01	4.80	5.00	6.42	4.95
OU2MW-37I	33 North Clinton	5.50	6.11	5.96	6.03	6.22	6.29	6.29
OU2MW-37I2	33 North Clinton	4.99	5.45	5.51	5.31	5.55	6.69	5.51
OU2MW-37S	33 North Clinton	6.24	6.10	6.07	5.91	5.95	6.08	6.09
OU2MW-39D	33 North Clinton	5.11	5.30	5.14	4.97	4.79	6.58	5.16
OU2MW-39I	33 North Clinton	5.74	5.94	5.83	5.89	5.74	6.16	6.04
OU2MW-39I2	33 North Clinton	4.76	4.92	4.78	4.57	4.43	6.08	4.48
OU2MW-39S	33 North Clinton	5.68	6.09	5.85	5.79	5.55	5.99	5.80
OU2MW-42D	33 North Clinton	4.09	3.95	3.97	3.33	3.52	3.47	3.17
OU2MW-42I	33 North Clinton	6.49	6.39	6.39	6.23	6.40	6.45	6.45
OU2MW-42I2	33 North Clinton	5.48	5.63	5.21	5.37	5.64	5.99	5.64
OU2MW-42S	33 North Clinton	6.79	6.40	6.15	6.08	6.22	6.89	6.35
OU2MW-43D	Cooper Lane	--	--	--	--	--	10.86	6.60
OU2MW-43I	Cooper Lane	--	--	--	--	--	9.79	6.91
OU2MW-43I2	Cooper Lane	--	--	--	--	--	8.91	7.09
OU2MW-43S	Cooper Lane	--	--	--	--	--	11.35	7.41
OU2MW-44D	Cooper Lane	--	--	--	--	--	8.24	5.40
OU2MW-44I	Cooper Lane	--	--	--	--	--	7.54	6.10
OU2MW-44I2	Cooper Lane	--	--	--	--	--	8.63	6.56
OU2MW-44S	Cooper Lane	--	--	--	--	--	10.40	6.45
OU2MW-45D	34 North Clinton	4.13	4.66	6.05	6.01	6.13	5.73	6.07
OU2MW-45I	34 North Clinton	4.54	5.81	6.10	5.90	5.86	6.20	5.90
OU2MW-45I2	34 North Clinton	6.17	5.05	6.06	5.80	5.96	5.74	6.16
OU2MW-45S	34 North Clinton	5.74	5.58	6.26	5.97	5.97	6.78	6.08
OU2MW-46I	34 North Clinton	5.95	4.98	6.31	6.52	6.35	6.16	6.58
OU2MW-46I2	34 North Clinton	5.81	4.51	5.68	5.74	5.62	5.48	4.83
OU2MW-46S	34 North Clinton	6.12	4.55	5.91	5.99	5.91	5.69	6.16
OU2MW-47D	34 North Clinton	5.67	4.65	5.52	5.45	5.47	5.19	6.01
OU2MW-47I	34 North Clinton	5.98	4.70	6.02	6.32	6.24	6.03	5.81
OU2MW-47I2	34 North Clinton	6.13	4.86	5.97	6.13	6.15	5.85	6.25
OU2MW-47S	34 North Clinton	5.40	4.34	5.28	5.89	5.86	6.05	5.86
OU2MW-52D	Manatuck Lane	--	--	5.48	--	--	--	5.98
OU2MW-52I	Manatuck Lane	--	--	5.94	--	--	--	5.95
OU2MW-52S	Manatuck Lane	--	--	5.34	--	--	--	5.87
OU2MW-53D	Manatuck Lane	--	--	6.71	--	--	--	9.04
OU2MW-53I	Manatuck Lane	--	--	6.56	--	--	--	6.30
OU2MW-53S	Manatuck Lane	--	--	5.83	--	--	--	5.98

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	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09
Temperature (deg C)								
BBMW-25D	Montauk Highway	19.8	16.8	12.1	19.4	12.8	15.4	6.7
BBMW-25I	Montauk Highway	20.9	16.9	18.0	18.5	14.2	16.1	10.0
BBMW-25S	Montauk Highway	22.2	20.9	20.1	20.9	16.8	16.9	10.0
GMP-01	Manatuck Lane	--	--	16.8	--	--	14.7	--
GMP-02	Manatuck Lane	--	--	14.1	--	--	14.2	--
GMP-04	Manatuck Lane	--	--	16.09	--	--	16.6	14.0
OU2MW-01D	Montauk Highway	19.8	16.4	19.6	18.3	13.4	2.4	9.7
OU2MW-01I	Montauk Highway	17.1	17.2	18.8	21.0	14.1	4.7	10.3
OU2MW-01I2	Montauk Highway	20.8	17.5	20.4	16.9	13.5	4.1	10.5
OU2MW-01S	Montauk Highway	13.6	16.6	18.9	18.2	14.7	4.9	10.6
OU2MW-01WT	Montauk Highway	22.4	20.3	21.0	24.2	16.7	4.4	9.9
OU2MW-02D	Montauk Highway	--	--	--	21.2	--	13.1	--
OU2MW-02I	Montauk Highway	--	--	--	20.4	--	14.3	--
OU2MW-02I2	Montauk Highway	--	--	--	17.2	--	14.4	--
OU2MW-02S	Montauk Highway	--	--	--	21.6	--	13.3	--
OU2MW-03D	Montauk Highway	--	--	--	14.7	--	13.7	--
OU2MW-03I	Montauk Highway	--	--	--	15.0	--	14.3	--
OU2MW-03I2	Montauk Highway	--	--	--	15.0	--	14.0	--
OU2MW-03S	Montauk Highway	--	--	--	16.0	--	15.6	--
OU2MW-04D	Montauk Highway	--	--	--	15.0	--	13.7	--
OU2MW-04I	Montauk Highway	--	--	--	14.7	--	13.9	--
OU2MW-04I2	Montauk Highway	--	--	--	15.5	--	13.6	--
OU2MW-04S	Montauk Highway	--	--	--	15.2	--	14.8	--
OU2MW-04WT	Montauk Highway	--	--	--	19.0	--	14.1	--
OU2MW-06	Manatuck Lane	23.7	20.7	21.5	20.0	13.6	16.3	2.26
OU2MW-06S	Manatuck Lane	22.3	20.6	24.3	21.2	13.6	16.2	6.9
OU2MW-07	Manatuck Lane	14.2	16.2	19.4	17.92	16.4	16.8	14.8
OU2MW-07S	Manatuck Lane	16.7	18.5	22.5	19.99	16.4	17.1	12.0
OU2MW-08D	Montauk Highway	14.6	--	16.3	--	--	6.1	--
OU2MW-08I	Montauk Highway	15.6	--	16.7	--	--	8.0	--
OU2MW-08I2	Montauk Highway	16.6	--	16.5	--	--	7.6	--
OU2MW-08S	Montauk Highway	16.1	--	17.0	--	--	15.6	--
OU2MW-08WT	Montauk Highway	17.8	--	20.0	--	--	16.6	--
OU2MW-19D	Cooper Lane	--	--	--	--	--	14.8	--
OU2MW-19I	Cooper Lane	--	--	--	--	--	16.2	--
OU2MW-19I2	Cooper Lane	--	--	--	--	--	15.0	--
OU2MW-20D	Cooper Lane	--	--	--	--	--	14.5	12.6
OU2MW-20I	Cooper Lane	--	--	--	--	--	--	14.5
OU2MW-20I2	Cooper Lane	--	--	--	--	--	--	13.3
OU2MW-20S	Cooper Lane	--	--	--	--	--	14.4	12.7
OU2MW-28I	9 North Clinton	14.9	16.7	18.3	17.4	15.0	14.6	8.1
OU2MW-28I2	9 North Clinton	15.9	17.2	17.2	15.6	14.5	14.3	12.0
OU2MW-28S	9 North Clinton	20.2	19.6	22.2	20.5	17.6	16.4	10.1
OU2MW-29D	9 North Clinton	15.6	15.9	18.5	16.7	14.8	14.5	11.4
OU2MW-29I	9 North Clinton	16.7	16.5	18.7	17.8	16.3	15.8	13.7
OU2MW-29I2	9 North Clinton	15.2	16.2	18.3	16.5	15.0	14.9	11.7
OU2MW-30D	9 North Clinton	16.0	16.0	17.5	15.6	15.4	15.4	13.5
OU2MW-30D2	9 North Clinton	14.5	15.5	18.7	15.2	15.2	15.1	13.6
OU2MW-30I	9 North Clinton	15.5	16.5	18.3	15.6	15.0	15.5	13.0
OU2MW-30I2	9 North Clinton	15.4	15.9	18.3	16.1	15.0	15.0	12.6
OU2MW-30I3	9 North Clinton	14.4	16.9	17.3	18.1	15.7	14.9	14.5
OU2MW-30S	9 North Clinton	16.2	18.2	19.9	19.6	17.3	16.9	14.5
OU2MW-31I	9 North Clinton	15.4	15.9	18.1	18.3	16.7	16.8	12.0
OU2MW-31I2	9 North Clinton	15.7	15.7	17.1	18.0	14.9	14.9	14.2
OU2MW-32D	9 North Clinton	15.7	18.9	19.8	16.3	14.6	14.4	5.7
OU2MW-32I	9 North Clinton	17.1	18.9	22.1	17.2	15.4	15.2	10.0
OU2MW-32I2	9 North Clinton	15.7	19.1	20.5	16.6	13.7	13.9	10.0
OU2MW-32S	9 North Clinton	18.2	20.3	23.7	19.4	16.9	16.2	2.4

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	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09
OU2MW-35D	33 North Clinton	13.3	13.9	15.2	14.6	14.2	13.7	12.8
OU2MW-35I	33 North Clinton	13.6	13.9	15.7	14.6	14.1	15.8	13.9
OU2MW-35I2	33 North Clinton	13.9	14.2	15.1	14.7	14.4	14.0	13.0
OU2MW-35S	33 North Clinton	14.0	15.0	17.1	17.3	16.7	16.1	13.9
OU2MW-36D	33 North Clinton	14.1	15.7	22.4	18.0	15.1	13.6	11.4
OU2MW-36I	33 North Clinton	14.6	16.6	22.8	16.3	13.1	14.9	7.4
OU2MW-36I2	33 North Clinton	14.4	15.8	22.9	17.5	13.9	14.2	11.3
OU2MW-36S	33 North Clinton	15.8	17.2	22.3	19.5	14.3	16.6	11.5
OU2MW-37D	33 North Clinton	14.1	14.7	15.6	15.3	14.2	14.5	12.9
OU2MW-37I	33 North Clinton	14.6	15.0	16.3	14.8	15.1	14.7	14.2
OU2MW-37I2	33 North Clinton	14.5	14.5	15.8	14.6	14.3	14.9	13.3
OU2MW-37S	33 North Clinton	14.9	15.3	17.4	16.9	16.2	15.5	14.4
OU2MW-39D	33 North Clinton	13.2	14.8	16.2	14.6	13.4	13.9	11.8
OU2MW-39I	33 North Clinton	13.1	14.3	16.1	15.2	14.3	14.3	14.1
OU2MW-39I2	33 North Clinton	13.9	14.9	15.5	14.8	13.5	14.3	11.2
OU2MW-39S	33 North Clinton	13.7	15.8	18.5	17.3	15.8	14.8	13.5
OU2MW-42D	33 North Clinton	13.4	14.6	15.0	14.8	14.2	13.5	13.1
OU2MW-42I	33 North Clinton	13.7	14.4	15.7	14.9	14.7	15.0	14.6
OU2MW-42I2	33 North Clinton	13.5	14.3	15.1	14.7	14.4	14.5	13.6
OU2MW-42S	33 North Clinton	13.5	14.5	16.8	17.2	16.5	16.5	14.9
OU2MW-43D	Cooper Lane	--	--	--	--	--	13.8	13.1
OU2MW-43I	Cooper Lane	--	--	--	--	--	15.0	13.1
OU2MW-43I2	Cooper Lane	--	--	--	--	--	14.2	12.2
OU2MW-43S	Cooper Lane	--	--	--	--	--	15.6	12.8
OU2MW-44D	Cooper Lane	--	--	--	--	--	13.6	12.8
OU2MW-44I	Cooper Lane	--	--	--	--	--	13.5	13.1
OU2MW-44I2	Cooper Lane	--	--	--	--	--	13.5	12.4
OU2MW-44S	Cooper Lane	--	--	--	--	--	14.8	12.3
OU2MW-45D	34 North Clinton	15.0	15.7	15.4	14.6	16.1	13.5	13.4
OU2MW-45I	34 North Clinton	16.1	15.9	15.3	14.4	14.7	14.8	13.6
OU2MW-45I2	34 North Clinton	14.4	15.5	15.7	14.7	14.1	13.4	13.4
OU2MW-45S	34 North Clinton	13.9	16.8	16.9	16.1	15.6	15.1	13.7
OU2MW-46I	34 North Clinton	14.3	16.6	17.7	15.8	15.8	15.5	13.0
OU2MW-46I2	34 North Clinton	14.5	16.5	17.0	16.2	14.3	13.7	11.1
OU2MW-46S	34 North Clinton	16.0	18.7	19.9	17.4	16.7	14.5	13.2
OU2MW-47D	34 North Clinton	14.7	16.1	16.7	15.5	14.8	14.1	12.3
OU2MW-47I	34 North Clinton	13.6	16.2	17.0	16.0	15.2	15.4	13.5
OU2MW-47I2	34 North Clinton	15.8	16.5	16.8	15.4	14.7	14.3	14.2
OU2MW-47S	34 North Clinton	14.1	17.1	19.0	17.6	17.2	16.3	14.6
OU2MW-52D	Manatuck Lane	--	--	16.1	--	--	--	14.3
OU2MW-52I	Manatuck Lane	--	--	16.3	--	--	--	14.6
OU2MW-52S	Manatuck Lane	--	--	20.0	--	--	--	13.5
OU2MW-53D	Manatuck Lane	--	--	15.3	--	--	--	12.6
OU2MW-53I	Manatuck Lane	--	--	14.9	--	--	--	14.6
OU2MW-53S	Manatuck Lane	--	--	19.5	--	--	--	11.8

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-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10
Conductivity (mS/cm)							
BBMW-25D	Montauk Highway	0.115	0.111	0.067	0.120	0.087	0.132
BBMW-25I	Montauk Highway	0.560	0.698	0.454	0.497	0.526	0.593
BBMW-25S	Montauk Highway	0.601	0.295	0.347	0.429	0.380	0.461
GMP-01	Manatuck Lane	--	0.691	--	0.539	--	--
GMP-02	Manatuck Lane	--	0.723	--	0.364	--	--
GMP-04	Manatuck Lane	--	0.389	--	0.196	--	--
OU2MW-01D	Montauk Highway	0.060	0.070	0.066	0.071	0.064	0.910
OU2MW-01I	Montauk Highway	0.498	0.616	0.556	0.570	0.524	0.527
OU2MW-01I2	Montauk Highway	0.100	0.094	0.150	0.299	0.401	0.260
OU2MW-01S	Montauk Highway	0.696	0.612	0.743	0.743	0.688	0.618
OU2MW-01WT	Montauk Highway	0.870	0.783	1.110	1.630	1.240	0.780
OU2MW-02D	Montauk Highway	--	0.051	--	0.067	--	--
OU2MW-02I	Montauk Highway	--	0.336	--	0.286	--	--
OU2MW-02I2	Montauk Highway	--	0.103	--	0.110	--	--
OU2MW-02S	Montauk Highway	--	0.602	--	1.350	--	--
OU2MW-03D	Montauk Highway	--	0.048	--	0.058	--	--
OU2MW-03I	Montauk Highway	--	0.615	--	0.449	--	--
OU2MW-03I2	Montauk Highway	--	0.261	--	0.112	--	--
OU2MW-03S	Montauk Highway	--	0.614	--	0.672	--	--
OU2MW-04D	Montauk Highway	--	0.060	--	0.051	--	--
OU2MW-04I	Montauk Highway	--	0.558	--	0.526	--	--
OU2MW-04I2	Montauk Highway	--	0.210	--	0.073	--	--
OU2MW-04S	Montauk Highway	--	0.770	--	0.920	--	--
OU2MW-04WT	Montauk Highway	--	0.176	--	0.088	--	--
OU2MW-06	Manatuck Lane	0.357	0.410	0.616	0.580	0.403	0.257
OU2MW-06S	Manatuck Lane	0.311	0.342	0.266	0.206	0.392	0.221
OU2MW-07	Manatuck Lane	0.562	0.649	0.626	0.476	0.405	0.373
OU2MW-07S	Manatuck Lane	0.271	0.450	0.213	0.280	0.143	0.114
OU2MW-08D	Montauk Highway	--	0.061	--	0.048	--	--
OU2MW-08I	Montauk Highway	--	0.417	--	0.527	--	--
OU2MW-08I2	Montauk Highway	--	0.480	--	0.342	--	--
OU2MW-08S	Montauk Highway	--	0.783	--	0.951	--	--
OU2MW-08WT	Montauk Highway	--	0.555	--	0.338	--	--
OU2MW-19D	Cooper Lane	1.370	1.420	1.200	1.170	1.380	--
OU2MW-19I	Cooper Lane	0.834	0.705	0.595	0.587	0.940	--
OU2MW-19I2	Cooper Lane	0.599	0.445	1.200	0.567	0.497	--
OU2MW-20D	Cooper Lane	0.158	0.096	0.133	0.158	0.269	0.240
OU2MW-20I	Cooper Lane	0.544	0.417	0.456	0.453	0.550	0.634
OU2MW-20I2	Cooper Lane	0.347	0.524	0.444	0.493	0.373	0.363
OU2MW-20S	Cooper Lane	0.449	0.652	0.730	0.535	0.194	0.143
OU2MW-28I	9 North Clinton	0.751	0.423	0.636	0.514	0.601	--
OU2MW-28I2	9 North Clinton	0.337	0.342	0.423	0.355	0.483	--
OU2MW-28S	9 North Clinton	0.309	0.358	0.377	0.239	0.335	--
OU2MW-29D	9 North Clinton	0.338	0.367	0.316	0.331	0.355	--
OU2MW-29I	9 North Clinton	0.618	0.616	0.727	0.496	0.532	--
OU2MW-29I2	9 North Clinton	0.609	0.781	0.954	0.664	0.472	--
OU2MW-30D	9 North Clinton	0.708	0.453	0.601	0.608	0.395	0.399
OU2MW-30D2	9 North Clinton	0.486	0.334	0.332	0.523	0.400	0.397
OU2MW-30I	9 North Clinton	0.730	0.569	0.955	0.771	0.498	0.430
OU2MW-30I2	9 North Clinton	0.487	0.698	0.707	0.689	0.371	0.406
OU2MW-30I3	9 North Clinton	0.469	0.492	0.470	0.680	0.498	0.432
OU2MW-30S	9 North Clinton	0.268	0.241	0.249	0.361	0.271	0.241
OU2MW-31I	9 North Clinton	0.344	0.671	0.559	0.783	0.554	--
OU2MW-31I2	9 North Clinton	0.344	0.372	0.596	0.741	0.476	--
OU2MW-32D	9 North Clinton	0.490	0.326	0.548	0.950	0.332	--
OU2MW-32I	9 North Clinton	0.722	0.488	0.539	0.999	0.507	--
OU2MW-32I2	9 North Clinton	0.425	0.620	0.533	0.805	0.487	--
OU2MW-32S	9 North Clinton	0.380	0.308	3.070	1.760	0.838	--
OU2MW-35D	33 North Clinton	0.359	0.380	0.339	0.325	0.374	--
OU2MW-35I	33 North Clinton	0.677	0.771	0.719	0.617	0.648	--
OU2MW-35I2	33 North Clinton	0.156	0.164	0.154	0.138	0.145	--
OU2MW-35S	33 North Clinton	0.427	0.548	0.362	0.275	0.288	--
OU2MW-36D	33 North Clinton	0.390	0.382	0.328	0.258	0.260	--
OU2MW-36I	33 North Clinton	0.571	0.796	0.613	0.566	0.578	--
OU2MW-36I2	33 North Clinton	0.277	0.226	0.225	0.285	0.268	--
OU2MW-36S	33 North Clinton	0.990	1.070	0.950	0.450	0.290	--

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-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10
OU2MW-37D	33 North Clinton	0.477	0.432	0.610	0.522	0.850	--
OU2MW-37I	33 North Clinton	0.679	0.477	0.621	0.615	0.552	--
OU2MW-37I2	33 North Clinton	0.334	0.415	0.327	0.312	0.700	--
OU2MW-37S	33 North Clinton	0.516	0.417	0.311	0.225	0.247	--
OU2MW-39D	33 North Clinton	0.673	0.835	0.910	0.789	0.899	0.706
OU2MW-39I	33 North Clinton	0.666	0.590	0.643	0.459	0.542	0.602
OU2MW-39I2	33 North Clinton	0.414	0.447	0.440	0.494	0.538	0.558
OU2MW-39S	33 North Clinton	0.366	0.305	0.255	0.218	0.297	0.293
OU2MW-42D	33 North Clinton	1.750	1.440	1.260	1.140	1.660	--
OU2MW-42I	33 North Clinton	0.566	0.554	0.664	0.691	0.491	--
OU2MW-42I2	33 North Clinton	0.296	0.391	0.403	0.407	0.616	--
OU2MW-42S	33 North Clinton	0.645	0.493	0.605	0.434	0.276	--
OU2MW-43D	Cooper Lane	1.810	1.790	1.590	1.510	1.490	--
OU2MW-43I	Cooper Lane	0.556	0.685	0.509	0.500	0.639	--
OU2MW-43I2	Cooper Lane	0.519	0.549	0.642	0.714	0.463	--
OU2MW-43S	Cooper Lane	0.808	0.931	1.020	1.560	1.000	--
OU2MW-44D	Cooper Lane	0.329	0.348	0.408	0.304	0.331	--
OU2MW-44I	Cooper Lane	0.261	0.312	0.288	0.224	0.255	--
OU2MW-44I2	Cooper Lane	0.475	0.441	0.325	0.999	0.406	--
OU2MW-44S	Cooper Lane	0.356	0.343	0.308	0.312	0.250	--
OU2MW-45D	34 North Clinton	0.139	0.145	0.147	0.149	0.143	--
OU2MW-45I	34 North Clinton	0.656	0.497	0.650	0.389	0.529	--
OU2MW-45I2	34 North Clinton	0.380	0.490	0.341	0.448	0.294	--
OU2MW-45S	34 North Clinton	0.406	0.295	0.322	0.315	0.253	--
OU2MW-46I	34 North Clinton	0.818	1.090	1.190	0.891	1.060	--
OU2MW-46I2	34 North Clinton	0.490	0.323	0.312	0.344	0.396	--
OU2MW-46S	34 North Clinton	0.612	0.673	1.330	0.881	0.901	--
OU2MW-47D	34 North Clinton	0.479	0.673	0.450	0.517	0.285	0.322
OU2MW-47I	34 North Clinton	0.941	0.758	0.689	0.656	0.820	0.915
OU2MW-47I2	34 North Clinton	0.448	0.611	0.407	0.775	0.709	0.621
OU2MW-47S	34 North Clinton	0.414	0.250	0.229	0.203	0.300	0.363
OU2MW-52D	Manatuck Lane	--	0.139	--	0.270	--	--
OU2MW-52I	Manatuck Lane	--	0.564	--	--	--	--
OU2MW-52S	Manatuck Lane	--	0.537	--	0.097	--	--
OU2MW-53D	Manatuck Lane	--	0.444	--	0.353	--	--
OU2MW-53I	Manatuck Lane	--	0.573	--	0.452	--	--
OU2MW-53S	Manatuck Lane	--	0.114	--	0.083	--	--
Dissolved Oxygen (mg/L)							
BBMW-25D	Montauk Highway	23.0	22.0	17.0	22.0	19.0	25.0
BBMW-25I	Montauk Highway	9.0	14.0	18.0	29.0	20.0	22.0
BBMW-25S	Montauk Highway	25.0	34.0	27.0	28.0	29.0	28.0
GMP-01	Manatuck Lane	--	0.0	--	3.7	--	--
GMP-02	Manatuck Lane	--	30.0	--	25.0	--	--
GMP-04	Manatuck Lane	--	19.9	--	18.6	--	--
OU2MW-01D	Montauk Highway	0.0	0.0	1.0	1.0	1.0	1.0
OU2MW-01I	Montauk Highway	29.0	31.0	23.0	32.0	28.0	34.0
OU2MW-01I2	Montauk Highway	16.0	17.0	18.0	12.0	10.0	10.1
OU2MW-01S	Montauk Highway	23.0	18.0	23.0	5.0	28.0	22.0
OU2MW-01WT	Montauk Highway	16.0	17.4	9.0	11.0	15.0	19.0
OU2MW-02D	Montauk Highway	--	0.0	--	1.0	--	--
OU2MW-02I	Montauk Highway	--	0.0	--	1.0	--	--
OU2MW-02I2	Montauk Highway	--	0.0	--	0.0	--	--
OU2MW-02S	Montauk Highway	--	7.2	--	0.0	--	--
OU2MW-03D	Montauk Highway	--	0.0	--	0.0	--	--
OU2MW-03I	Montauk Highway	--	0.0	--	0.0	--	--
OU2MW-03I2	Montauk Highway	--	24.0	--	6.5	--	--
OU2MW-03S	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	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10
OU2MW-04D	Montauk Highway	--	0.0	--	3.6	--	--
OU2MW-04I	Montauk Highway	--	0.0	--	17.1	--	--
OU2MW-04I2	Montauk Highway	--	0.0	--	4.0	--	--
OU2MW-04S	Montauk Highway	--	0.0	--	0.0	--	--
OU2MW-04WT	Montauk Highway	--	3.1	--	8.6	--	--
OU2MW-06	Manatuck Lane	39.0	38.0	34.0	27.0	9.0	23.0
OU2MW-06S	Manatuck Lane	14.0	15.4	15.0	16.0	5.0	12.0
OU2MW-07	Manatuck Lane	34.0	38.0	28.0	23.0	15.0	34.0
OU2MW-07S	Manatuck Lane	15.0	22.0	15.0	12.0	5.0	14.0
OU2MW-08D	Montauk Highway	--	1.4	--	0.0	--	--
OU2MW-08I	Montauk Highway	--	10.7	--	32.0	--	--
OU2MW-08I2	Montauk Highway	--	0.0	--	0.0	--	--
OU2MW-08S	Montauk Highway	--	1.5	--	0.0	--	--
OU2MW-08WT	Montauk Highway	--	5.9	--	8.19	--	--
OU2MW-19D	Cooper Lane	0.0	0.0	2.5	9.2	18.0	--
OU2MW-19I	Cooper Lane	0.0	2.7	6.0	4.2	0.0	--
OU2MW-19I2	Cooper Lane	26.0	34.0	2.5	36	32.0	--
OU2MW-20D	Cooper Lane	1.6	0.0	1.5	3.7	0.0	0.0
OU2MW-20I	Cooper Lane	5.0	2.2	5.9	6.5	3.0	24.0
OU2MW-20I2	Cooper Lane	0.0	2.0	1.6	4.8	0.0	0.0
OU2MW-20S	Cooper Lane	0.3	8.3	7.4	17.2	16.0	17.0
OU2MW-28I	9 North Clinton	27.0	34.0	25.0	11.3	11.3	--
OU2MW-28I2	9 North Clinton	0.0	0.0	0.0	3.2	0.0	--
OU2MW-28S	9 North Clinton	33.0	37.0	34.0	26.0	29.0	--
OU2MW-29D	9 North Clinton	0.0	0.0	1.1	3.3	0.0	--
OU2MW-29I	9 North Clinton	6.2	21.0	21.0	19.5	3.6	--
OU2MW-29I2	9 North Clinton	43.0	44.0	20.0	31.0	24.0	--
OU2MW-30D	9 North Clinton	38.0	49.0	43.0	29.0	31.0	31.0
OU2MW-30D2	9 North Clinton	30.0	32.0	19.2	9.3	0.0	10.0
OU2MW-30I	9 North Clinton	22.0	37.0	33.0	28.0	14.6	27.0
OU2MW-30I2	9 North Clinton	17.0	48.0	44.0	36.0	23.0	28.0
OU2MW-30I3	9 North Clinton	52.0	48.0	35.0	34.0	24.0	36.0
OU2MW-30S	9 North Clinton	23.0	28.0	28.0	26.0	11.4	27.0
OU2MW-31I	9 North Clinton	20.0	38.0	39.7	28.0	20.0	--
OU2MW-31I2	9 North Clinton	20.0	36.0	27.0	23.0	23.0	--
OU2MW-32D	9 North Clinton	1.8	0.0	0.0	0.9	0.0	--
OU2MW-32I	9 North Clinton	1.9	1.5	0.0	0.0	0.0	--
OU2MW-32I2	9 North Clinton	0.0	1.6	0.0	0.0	0.0	--
OU2MW-32S	9 North Clinton	1.8	3.7	5.5	0.6	0.0	--
OU2MW-35D	33 North Clinton	42.0	40.0	29.0	29.0	27.0	--
OU2MW-35I	33 North Clinton	60.0	20.0	50.0	28.0	27.0	--
OU2MW-35I2	33 North Clinton	52.0	46.0	49.0	27.0	28.0	--
OU2MW-35S	33 North Clinton	35.0	35.0	43.0	25.0	38.0	--
OU2MW-36D	33 North Clinton	0.0	0.0	0.6	3.9	0.0	--
OU2MW-36I	33 North Clinton	19.0	29.0	38.0	27.0	24.0	--
OU2MW-36I2	33 North Clinton	3.2	9.4	16.6	2.6	0.8	--
OU2MW-36S	33 North Clinton	20.0	11.7	19.6	23.0	19.0	--
OU2MW-37D	33 North Clinton	0.0	1.5	1.3	0.0	0.0	--
OU2MW-37I	33 North Clinton	45.0	16.6	26.0	31.0	37.0	--
OU2MW-37I2	33 North Clinton	0.0	1.5	0.9	3.4	0.2	--
OU2MW-37S	33 North Clinton	24.0	21.0	26.0	24.0	28.0	--
OU2MW-39D	33 North Clinton	0.0	0.0	1.2	0.0	0.0	0.0
OU2MW-39I	33 North Clinton	31.0	41.0	43.0	29.0	10.0	25.0
OU2MW-39I2	33 North Clinton	0.0	0.0	0.9	0.0	0.0	0.0
OU2MW-39S	33 North Clinton	16.0	37.0	30.0	14.4	18.0	28.0
OU2MW-42D	33 North Clinton	60.0	30.0	42.0	30.0	42.0	--
OU2MW-42I	33 North Clinton	19.3	13.9	13.0	15.3	16.3	--
OU2MW-42I2	33 North Clinton	36.0	41.0	18.6	34.0	35.0	--
OU2MW-42S	33 North Clinton	2.9	0.7	3.8	4.0	4.4	--

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-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10
OU2MW-43D	Cooper Lane	19.0	22.0	26.0	22.0	30.0	--
OU2MW-43I	Cooper Lane	31.0	38.0	31.0	26.0	43.0	--
OU2MW-43I2	Cooper Lane	3.1	8.8	13.8	11.3	11.4	--
OU2MW-43S	Cooper Lane	0.0	0.0	1.7	0.0	0.0	--
OU2MW-44D	Cooper Lane	0.0	0.0	1.5	3.7	0.0	--
OU2MW-44I	Cooper Lane	0.0	0.0	0.0	4.1	0.0	--
OU2MW-44I2	Cooper Lane	2.0	2.0	0.0	0.0	0.0	--
OU2MW-44S	Cooper Lane	1.7	2.1	2.1	1.4	0.0	--
OU2MW-45D	34 North Clinton	31.0	15.1	16.7	19.0	19.0	--
OU2MW-45I	34 North Clinton	19.0	16.4	7.9	14.2	12.0	--
OU2MW-45I2	34 North Clinton	32.0	29.0	24.0	26.0	28.0	--
OU2MW-45S	34 North Clinton	4.1	5.9	6.7	6.0	3.6	--
OU2MW-46I	34 North Clinton	35.0	41.0	28.0	27.0	20.0	--
OU2MW-46I2	34 North Clinton	33.0	29.0	30.0	32.0	43.0	--
OU2MW-46S	34 North Clinton	19.4	41.0	26.0	30.0	22.0	--
OU2MW-47D	34 North Clinton	26.0	32.0	25.0	24.0	12.0	27.0
OU2MW-47I	34 North Clinton	39.0	40.0	28.0	26.0	20.0	30.0
OU2MW-47I2	34 North Clinton	34.0	40.0	30.0	25.0	16.0	29.0
OU2MW-47S	34 North Clinton	30.0	33.0	26.0	26.0	12.0	25.0
OU2MW-52D	Manatuck Lane	--	29.0	--	26.0	--	--
OU2MW-52I	Manatuck Lane	--	23.0	--	--	--	--
OU2MW-52S	Manatuck Lane	--	0.0	--	8.8	--	--
OU2MW-53D	Manatuck Lane	--	0.0	--	0.0	--	--
OU2MW-53I	Manatuck Lane	--	28.0	--	19.0	--	--
OU2MW-53S	Manatuck Lane	--	6.4	--	3.0	--	--
Oxidation Reduction Potential (mV)							
BBMW-25D	Montauk Highway	205	345	162	180	168	177
BBMW-25I	Montauk Highway	23	27	66	128	178	117
BBMW-25S	Montauk Highway	166	330	182	198	187	153
GMP-01	Manatuck Lane	--	-50	--	-132	--	--
GMP-02	Manatuck Lane	--	143	--	150	--	--
GMP-04	Manatuck Lane	--	219	--	108	--	--
OU2MW-01D	Montauk Highway	83	251	92	224	94	155
OU2MW-01I	Montauk Highway	171	156	135	206	185	184
OU2MW-01I2	Montauk Highway	164	318	181	215	198	190
OU2MW-01S	Montauk Highway	163	305	176	180	185	186
OU2MW-01WT	Montauk Highway	60	89	120	90	18	37
OU2MW-02D	Montauk Highway	--	228	--	82	--	--
OU2MW-02I	Montauk Highway	--	-17	--	-71	--	--
OU2MW-02I2	Montauk Highway	--	45	--	40	--	--
OU2MW-02S	Montauk Highway	--	91	--	-78	--	--
OU2MW-03D	Montauk Highway	--	195	--	62	--	--
OU2MW-03I	Montauk Highway	--	256	--	66	--	--
OU2MW-03I2	Montauk Highway	--	166	--	120	--	--
OU2MW-03S	Montauk Highway	--	-2	--	-120	--	--
OU2MW-04D	Montauk Highway	--	163	--	30	--	--
OU2MW-04I	Montauk Highway	--	93	--	87	--	--
OU2MW-04I2	Montauk Highway	--	109	--	35	--	--
OU2MW-04S	Montauk Highway	--	-89	--	-94	--	--
OU2MW-04WT	Montauk Highway	--	166	--	209	--	--
OU2MW-06	Manatuck Lane	217	306	143	193	218	42
OU2MW-06S	Manatuck Lane	183	236	198	57	207	51
OU2MW-07	Manatuck Lane	207	239	171	93	134	36
OU2MW-07S	Manatuck Lane	203	304	199	211	268	19
OU2MW-08D	Montauk Highway	--	85	--	175	--	--
OU2MW-08I	Montauk Highway	--	137	--	173	--	--
OU2MW-08I2	Montauk Highway	--	-112	--	14	--	--
OU2MW-08S	Montauk Highway	--	-95	--	-104	--	--
OU2MW-08WT	Montauk Highway	--	80	--	330	--	--

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-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10
OU2MW-19D	Cooper Lane	-122	155	14	20	42	--
OU2MW-19I	Cooper Lane	-95	-109	-39	-61	-103	--
OU2MW-19I2	Cooper Lane	155	255	14	178	192	--
OU2MW-20D	Cooper Lane	165	112	141	152	193	228
OU2MW-20I	Cooper Lane	-35	-69	-40	3	92	74
OU2MW-20I2	Cooper Lane	250	131	162	168	139	133
OU2MW-20S	Cooper Lane	283	139	152	189	163	238
OU2MW-28I	9 North Clinton	198	244	149	151	191	--
OU2MW-28I2	9 North Clinton	153	114	105	72	145	--
OU2MW-28S	9 North Clinton	195	175	163	181	198	--
OU2MW-29D	9 North Clinton	-132	-119	-117	-109	-96	--
OU2MW-29I	9 North Clinton	56	120	103	117	58	--
OU2MW-29I2	9 North Clinton	140	168	200	178	177	--
OU2MW-30D	9 North Clinton	185	190	223	201	200	224
OU2MW-30D2	9 North Clinton	114	105	145	104	59	104
OU2MW-30I	9 North Clinton	141	190	183	194	170	175
OU2MW-30I2	9 North Clinton	312	158	160	184	176	209
OU2MW-30I3	9 North Clinton	324	164	187	180	164	184
OU2MW-30S	9 North Clinton	294	220	195	189	176	186
OU2MW-31I	9 North Clinton	324	158	209	188	174	--
OU2MW-31I2	9 North Clinton	324	228	203	180	166	--
OU2MW-32D	9 North Clinton	222	221	193	227	177	--
OU2MW-32I	9 North Clinton	-113	-131	-13	-115	-163	--
OU2MW-32I2	9 North Clinton	-95	-93	2	-87	-89	--
OU2MW-32S	9 North Clinton	56	141	163	119	99	--
OU2MW-35D	33 North Clinton	307	272	286	308	498	--
OU2MW-35I	33 North Clinton	180	168	179	224	265	--
OU2MW-35I2	33 North Clinton	320	236	296	262	506	--
OU2MW-35S	33 North Clinton	164	172	177	219	287	--
OU2MW-36D	33 North Clinton	2	22	24	10	-33	--
OU2MW-36I	33 North Clinton	381	183	265	196	156	--
OU2MW-36I2	33 North Clinton	201	185	190	212	369	--
OU2MW-36S	33 North Clinton	197	211	213	182	409	--
OU2MW-37D	33 North Clinton	105	90	101	85	99	--
OU2MW-37I	33 North Clinton	181	235	195	155	115	--
OU2MW-37I2	33 North Clinton	257	166	237	213	160	--
OU2MW-37S	33 North Clinton	195	237	258	198	115	--
OU2MW-39D	33 North Clinton	76	195	79	61	83	101
OU2MW-39I	33 North Clinton	166	195	175	184	216	140
OU2MW-39I2	33 North Clinton	161	293	210	167	171	181
OU2MW-39S	33 North Clinton	157	207	226	195	216	157
OU2MW-42D	33 North Clinton	412	395	402	413	415	--
OU2MW-42I	33 North Clinton	86	33	-11	27	5	--
OU2MW-42I2	33 North Clinton	354	268	287	253	263	--
OU2MW-42S	33 North Clinton	-68	-65	-49	3	-21	--
OU2MW-43D	Cooper Lane	211	135	143	143	410	--
OU2MW-43I	Cooper Lane	174	166	221	178	199	--
OU2MW-43I2	Cooper Lane	107	129	88	88	70	--
OU2MW-43S	Cooper Lane	-98	-114	-82	-104	-90	--
OU2MW-44D	Cooper Lane	172	155	122	147	78	--
OU2MW-44I	Cooper Lane	194	141	140	143	52	--
OU2MW-44I2	Cooper Lane	40	12	41	21	44	--
OU2MW-44S	Cooper Lane	-46	-34	-6	-25	2	--
OU2MW-45D	34 North Clinton	375	182	173	140	240	--
OU2MW-45I	34 North Clinton	39	81	-26	28	9	--
OU2MW-45I2	34 North Clinton	362	175	153	165	206	--
OU2MW-45S	34 North Clinton	-15	-34	-4	36	39	--
OU2MW-46I	34 North Clinton	391	184	194	116	188	--
OU2MW-46I2	34 North Clinton	215	229	218	114	251	--
OU2MW-46S	34 North Clinton	403	238	226	501	237	--

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-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10
OU2MW-47D	34 North Clinton	204	120	144	166	170	194
OU2MW-47I	34 North Clinton	190	205	229	182	216	195
OU2MW-47I2	34 North Clinton	304	172	226	209	206	209
OU2MW-47S	34 North Clinton	183	209	268	201	251	220
OU2MW-52D	Manatuck Lane	--	282	--	204	--	--
OU2MW-52I	Manatuck Lane	--	169	--	--	--	--
OU2MW-52S	Manatuck Lane	--	233	--	266	--	--
OU2MW-53D	Manatuck Lane	--	126	--	-84	--	--
OU2MW-53I	Manatuck Lane	--	168	--	149	--	--
OU2MW-53S	Manatuck Lane	--	-87	--	425	--	--
pH (std. units)							
BBMW-25D	Montauk Highway	5.14	4.86	5.40	5.25	5.08	5.32
BBMW-25I	Montauk Highway	5.91	6.01	5.90	5.97	5.50	5.77
BBMW-25S	Montauk Highway	5.90	5.58	5.98	5.86	5.81	6.16
GMP-01	Manatuck Lane	--	6.42	--	6.32	--	--
GMP-02	Manatuck Lane	--	5.90	--	5.77	--	--
GMP-04	Manatuck Lane	--	6.22	--	5.86	--	--
OU2MW-01D	Montauk Highway	5.07	5.17	5.37	5.41	5.42	4.95
OU2MW-01I	Montauk Highway	6.08	5.90	6.03	5.85	6.06	5.82
OU2MW-01I2	Montauk Highway	5.81	5.36	5.85	5.45	5.67	4.53
OU2MW-01S	Montauk Highway	6.27	5.87	6.14	5.81	6.03	5.17
OU2MW-01WT	Montauk Highway	6.59	6.21	6.14	6.54	6.32	6.41
OU2MW-02D	Montauk Highway	--	4.76	--	5.30	--	--
OU2MW-02I	Montauk Highway	--	6.29	--	6.18	--	--
OU2MW-02I2	Montauk Highway	--	5.34	--	5.81	--	--
OU2MW-02S	Montauk Highway	--	5.80	--	6.19	--	--
OU2MW-03D	Montauk Highway	--	5.01	--	5.29	--	--
OU2MW-03I	Montauk Highway	--	5.36	--	6.13	--	--
OU2MW-03I2	Montauk Highway	--	5.57	--	5.60	--	--
OU2MW-03S	Montauk Highway	--	6.13	--	6.88	--	--
OU2MW-04D	Montauk Highway	--	5.38	--	5.82	--	--
OU2MW-04I	Montauk Highway	--	5.65	--	5.68	--	--
OU2MW-04I2	Montauk Highway	--	5.53	--	5.86	--	--
OU2MW-04S	Montauk Highway	--	6.04	--	6.16	--	--
OU2MW-04WT	Montauk Highway	--	5.51	--	4.99	--	--
OU2MW-06	Manatuck Lane	5.63	5.30	5.21	5.95	5.73	6.17
OU2MW-06S	Manatuck Lane	6.10	5.95	4.91	6.57	5.89	6.23
OU2MW-07	Manatuck Lane	6.05	5.96	4.93	6.06	5.87	6.15
OU2MW-07S	Manatuck Lane	5.74	5.57	5.82	5.53	4.30	5.78
OU2MW-08D	Montauk Highway	--	5.70	--	4.51	--	--
OU2MW-08I	Montauk Highway	--	6.00	--	4.58	--	--
OU2MW-08I2	Montauk Highway	--	6.44	--	5.33	--	--
OU2MW-08S	Montauk Highway	--	6.40	--	4.91	--	--
OU2MW-08WT	Montauk Highway	--	6.45	--	5.26	--	--
OU2MW-19D	Cooper Lane	6.11	6.07	5.96	5.75	5.89	--
OU2MW-19I	Cooper Lane	6.44	6.31	6.21	5.72	6.28	--
OU2MW-19I2	Cooper Lane	5.85	6.00	5.96	5.63	5.52	--
OU2MW-20D	Cooper Lane	5.72	5.92	5.69	5.44	5.60	4.77
OU2MW-20I	Cooper Lane	5.92	5.98	5.80	5.65	6.57	5.53
OU2MW-20I2	Cooper Lane	5.96	5.98	5.92	5.84	5.65	5.51
OU2MW-20S	Cooper Lane	6.18	6.14	5.99	5.77	5.70	5.26
OU2MW-28I	9 North Clinton	5.83	5.98	6.02	6.06	5.64	--
OU2MW-28I2	9 North Clinton	5.71	5.74	5.56	5.65	6.15	--
OU2MW-28S	9 North Clinton	6.05	6.19	6.05	6.09	5.54	--
OU2MW-29D	9 North Clinton	6.36	6.40	6.55	6.45	7.45	--
OU2MW-29I	9 North Clinton	6.16	6.10	5.85	5.93	5.63	--
OU2MW-29I2	9 North Clinton	6.02	5.94	5.88	5.65	5.68	--

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-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10
OU2MW-30D	9 North Clinton	5.85	6.01	5.83	4.66	5.61	4.48
OU2MW-30D2	9 North Clinton	6.01	5.99	5.74	4.80	5.71	4.63
OU2MW-30I	9 North Clinton	6.19	6.18	6.10	6.01	6.10	5.74
OU2MW-30I2	9 North Clinton	6.29	6.25	6.16	6.00	6.06	5.62
OU2MW-30I3	9 North Clinton	5.98	6.11	6.06	4.71	5.96	4.91
OU2MW-30S	9 North Clinton	6.20	6.30	6.15	5.96	6.12	5.92
OU2MW-31I	9 North Clinton	6.30	6.33	6.02	6.11	6.26	--
OU2MW-31I2	9 North Clinton	6.30	6.25	5.79	4.71	5.68	--
OU2MW-32D	9 North Clinton	5.75	5.74	5.59	5.49	5.62	--
OU2MW-32I	9 North Clinton	6.61	6.64	6.21	6.49	6.56	--
OU2MW-32I2	9 North Clinton	6.46	6.40	6.13	4.85	5.92	--
OU2MW-32S	9 North Clinton	6.14	6.26	5.97	4.81	5.80	--
OU2MW-35D	33 North Clinton	5.01	5.07	5.08	4.71	4.67	--
OU2MW-35I	33 North Clinton	6.43	6.39	6.35	6.19	6.12	--
OU2MW-35I2	33 North Clinton	5.60	5.71	5.10	5.31	5.06	--
OU2MW-35S	33 North Clinton	6.31	6.02	6.26	6.00	5.95	--
OU2MW-36D	33 North Clinton	5.83	5.93	5.89	5.64	5.77	--
OU2MW-36I	33 North Clinton	6.14	6.17	5.99	5.88	5.95	--
OU2MW-36I2	33 North Clinton	5.11	5.09	5.01	4.93	4.65	--
OU2MW-36S	33 North Clinton	6.10	6.14	6.01	5.91	5.54	--
OU2MW-37D	33 North Clinton	5.09	5.26	5.10	4.91	4.91	--
OU2MW-37I	33 North Clinton	6.41	6.34	6.20	6.16	6.21	--
OU2MW-37I2	33 North Clinton	5.71	5.79	5.68	5.38	5.41	--
OU2MW-37S	33 North Clinton	6.11	6.07	5.64	5.89	5.91	--
OU2MW-39D	33 North Clinton	5.20	4.80	5.18	5.15	4.90	4.29
OU2MW-39I	33 North Clinton	6.15	5.70	6.07	5.93	5.55	4.82
OU2MW-39I2	33 North Clinton	4.69	4.17	4.77	4.67	4.57	3.78
OU2MW-39S	33 North Clinton	6.07	5.59	5.88	5.70	5.75	4.87
OU2MW-42D	33 North Clinton	3.34	3.40	3.46	3.18	2.88	--
OU2MW-42I	33 North Clinton	6.63	6.67	6.61	6.45	6.57	--
OU2MW-42I2	33 North Clinton	5.75	5.81	5.71	5.52	5.40	--
OU2MW-42S	33 North Clinton	6.49	6.51	6.40	6.22	6.23	--
OU2MW-43D	Cooper Lane	5.44	5.45	5.38	5.18	5.02	--
OU2MW-43I	Cooper Lane	6.31	6.28	6.28	6.11	6.07	--
OU2MW-43I2	Cooper Lane	6.20	5.90	6.06	5.96	6.07	--
OU2MW-43S	Cooper Lane	6.58	6.27	6.29	6.01	6.07	--
OU2MW-44D	Cooper Lane	5.54	5.68	5.55	5.32	5.52	--
OU2MW-44I	Cooper Lane	5.81	5.92	5.70	5.58	5.81	--
OU2MW-44I2	Cooper Lane	6.28	6.32	6.18	6.15	5.86	--
OU2MW-44S	Cooper Lane	6.04	6.12	6.05	5.81	5.42	--
OU2MW-45D	34 North Clinton	6.09	6.15	6.02	5.83	5.71	--
OU2MW-45I	34 North Clinton	6.22	6.23	6.19	6.05	6.04	--
OU2MW-45I2	34 North Clinton	6.13	6.16	6.14	6.00	6.03	--
OU2MW-45S	34 North Clinton	6.13	6.16	6.09	5.77	5.74	--
OU2MW-46I	34 North Clinton	6.55	6.51	6.27	6.47	6.20	--
OU2MW-46I2	34 North Clinton	5.90	6.19	6.07	6.29	6.03	--
OU2MW-46S	34 North Clinton	6.08	6.10	5.97	5.50	6.12	--
OU2MW-47D	34 North Clinton	5.52	5.55	5.57	5.41	5.90	4.87
OU2MW-47I	34 North Clinton	6.15	6.21	6.13	6.29	5.80	6.20
OU2MW-47I2	34 North Clinton	6.28	6.25	6.29	6.06	5.85	5.74
OU2MW-47S	34 North Clinton	6.00	5.88	5.35	5.68	5.19	5.36
OU2MW-52D	Manatuck Lane	--	6.17	--	5.85	--	--
OU2MW-52I	Manatuck Lane	--	6.02	--	--	--	--
OU2MW-52S	Manatuck Lane	--	5.07	--	4.36	--	--
OU2MW-53D	Manatuck Lane	--	6.17	--	6.21	--	--
OU2MW-53I	Manatuck Lane	--	6.11	--	6.24	--	--
OU2MW-53S	Manatuck Lane	--	5.44	--	5.32	--	--

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-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10
Temperature (deg C)							
BBMW-25D	Montauk Highway	10.8	11.6	12.4	15.8	18.8	20.1
BBMW-25I	Montauk Highway	13.1	12.3	13.1	18.2	17.7	23.1
BBMW-25S	Montauk Highway	11.4	9.1	10.7	15.9	17.6	25.3
GMP-01	Manatuck Lane	--	12.49	--	14.2	--	--
GMP-02	Manatuck Lane	--	10.13	--	13.1	--	--
GMP-04	Manatuck Lane	--	13.8	--	13.2	--	--
OU2MW-01D	Montauk Highway	9.5	7.5	12.4	14.6	17.5	22.9
OU2MW-01I	Montauk Highway	12.4	8.5	12.7	14.6	20.5	19.6
OU2MW-01I2	Montauk Highway	11.0	10.0	11.7	16.0	17.4	24.2
OU2MW-01S	Montauk Highway	11.7	10.6	12.8	15.0	19.3	20.7
OU2MW-01WT	Montauk Highway	8.7	6.9	10.0	13.6	19.0	22.8
OU2MW-02D	Montauk Highway	--	8.6	--	16.3	--	--
OU2MW-02I	Montauk Highway	--	11.3	--	18.0	--	--
OU2MW-02I2	Montauk Highway	--	6.5	--	15.8	--	--
OU2MW-02S	Montauk Highway	--	5.1	--	15.7	--	--
OU2MW-03D	Montauk Highway	--	11.0	--	12.5	--	--
OU2MW-03I	Montauk Highway	--	11.9	--	13.4	--	--
OU2MW-03I2	Montauk Highway	--	10.9	--	13.1	--	--
OU2MW-03S	Montauk Highway	--	11.5	--	12.8	--	--
OU2MW-04D	Montauk Highway	--	6.8	--	14.0	--	--
OU2MW-04I	Montauk Highway	--	4.7	--	13.9	--	--
OU2MW-04I2	Montauk Highway	--	7.7	--	13.4	--	--
OU2MW-04S	Montauk Highway	--	8.4	--	12.7	--	--
OU2MW-04WT	Montauk Highway	--	4.0	--	11.1	--	--
OU2MW-06	Manatuck Lane	8.1	6.75	11.08	16.3	16.2	24.2
OU2MW-06S	Manatuck Lane	5.1	4.17	16.51	15.4	16.0	23.4
OU2MW-07	Manatuck Lane	11.9	11.1	11.68	13.1	12.8	16.5
OU2MW-07S	Manatuck Lane	8.1	7.3	8.94	11.5	13.0	18.1
OU2MW-08D	Montauk Highway	--	12.9	--	13.4	--	--
OU2MW-08I	Montauk Highway	--	13.1	--	14.9	--	--
OU2MW-08I2	Montauk Highway	--	12.9	--	13.6	--	--
OU2MW-08S	Montauk Highway	--	14.8	--	16.0	--	--
OU2MW-08WT	Montauk Highway	--	10.1	--	13.4	--	--
OU2MW-19D	Cooper Lane	12.1	12.5	11.7	14.4	14.3	--
OU2MW-19I	Cooper Lane	12.5	12.7	12.2	13.0	13.2	--
OU2MW-19I2	Cooper Lane	13.4	13.2	11.7	14.6	14.3	--
OU2MW-20D	Cooper Lane	13.2	12.9	12.1	13.0	15.4	16.6
OU2MW-20I	Cooper Lane	13.3	12.1	10.9	11.9	13.4	15.1
OU2MW-20I2	Cooper Lane	12.4	13.1	11.4	13.1	15.8	16.4
OU2MW-20S	Cooper Lane	9.6	8.9	7.9	11.1	15.3	17.4
OU2MW-28I	9 North Clinton	13.4	12.8	12.7	13.5	14.6	--
OU2MW-28I2	9 North Clinton	12.7	12.4	12.4	13.1	14.1	--
OU2MW-28S	9 North Clinton	11.7	10.2	9.7	12.4	15.1	--
OU2MW-29D	9 North Clinton	12.6	11.5	12.6	13.4	13.5	--
OU2MW-29I	9 North Clinton	13.5	12.5	11.4	13.1	14.2	--
OU2MW-29I2	9 North Clinton	12.7	11.5	13.1	13.8	14.6	--
OU2MW-30D	9 North Clinton	11.8	12.3	13.0	13.2	14.7	17.3
OU2MW-30D2	9 North Clinton	13.0	12.4	12.9	13.6	14.4	17.9
OU2MW-30I	9 North Clinton	12.6	12.6	13.3	14.1	14.5	18.1
OU2MW-30I2	9 North Clinton	13.4	13.3	13.2	13.9	14.0	17.9
OU2MW-30I3	9 North Clinton	12.8	12.7	13.2	13.7	14.7	17.1
OU2MW-30S	9 North Clinton	12.8	11.5	11.0	12.9	14.5	18.8
OU2MW-31I	9 North Clinton	13.7	13.6	12.4	13.8	4.6	--
OU2MW-31I2	9 North Clinton	13.7	13.7	13.0	13.9	14.7	--
OU2MW-32D	9 North Clinton	10.8	10.5	11.5	14.2	5.7	--
OU2MW-32I	9 North Clinton	10.7	10.9	11.5	13.9	5.4	--
OU2MW-32I2	9 North Clinton	11.8	11.4	12.2	13.5	14.6	--
OU2MW-32S	9 North Clinton	9.7	8.4	8.5	13.0	15.2	--

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-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10
OU2MW-35D	33 North Clinton	12.7	12.5	12.6	12.9	14.6	--
OU2MW-35I	33 North Clinton	13.2	13.3	12.9	12.8	13.2	--
OU2MW-35I2	33 North Clinton	12.5	12.7	12.3	13.1	13.6	--
OU2MW-35S	33 North Clinton	11.6	10.3	9.3	11.0	12.5	--
OU2MW-36D	33 North Clinton	11.9	9.5	10.3	14.3	14.3	--
OU2MW-36I	33 North Clinton	12.1	11.6	10.9	13.9	14.5	--
OU2MW-36I2	33 North Clinton	12.7	10.5	11.2	13.9	14.1	--
OU2MW-36S	33 North Clinton	9.9	8.5	7.9	11.7	12.8	--
OU2MW-37D	33 North Clinton	13.0	12.9	13.1	13.2	13.8	--
OU2MW-37I	33 North Clinton	13.8	14.0	13.8	14.0	14.9	--
OU2MW-37I2	33 North Clinton	13.0	13.3	13.5	13.4	14.4	--
OU2MW-37S	33 North Clinton	12.2	11.8	11.0	12.0	13.8	--
OU2MW-39D	33 North Clinton	11.9	10.8	12.1	12.7	14.8	14.9
OU2MW-39I	33 North Clinton	13.9	11.2	12.6	13.1	12.6	14.9
OU2MW-39I2	33 North Clinton	12.3	10.6	12.7	13.1	14.6	15.4
OU2MW-39S	33 North Clinton	11.7	9.5	9.4	10.8	12.0	16.0
OU2MW-42D	33 North Clinton	13.0	12.3	12.4	13.1	13.5	--
OU2MW-42I	33 North Clinton	14.0	13.6	10.7	13.1	13.4	--
OU2MW-42I2	33 North Clinton	12.7	13.2	12.6	13.3	13.8	--
OU2MW-42S	33 North Clinton	12.7	10.9	9.9	10.9	12.4	--
OU2MW-43D	Cooper Lane	13.0	12.6	12.6	13.8	14.0	--
OU2MW-43I	Cooper Lane	14.3	13.1	13.4	13.7	13.7	--
OU2MW-43I2	Cooper Lane	13.1	12.9	13.3	13.8	14.5	--
OU2MW-43S	Cooper Lane	11.9	9.5	9.8	11.7	12.8	--
OU2MW-44D	Cooper Lane	12.2	12.5	12.4	13.7	14.3	--
OU2MW-44I	Cooper Lane	12.2	11.1	13.0	13.8	15.5	--
OU2MW-44I2	Cooper Lane	12.1	12.7	12.7	13.7	14.5	--
OU2MW-44S	Cooper Lane	11.7	10.5	10.2	11.9	13.2	--
OU2MW-45D	34 North Clinton	12.9	12.4	12.9	13.3	6.3	--
OU2MW-45I	34 North Clinton	12.3	12.4	12.6	12.6	12.7	--
OU2MW-45I2	34 North Clinton	12.5	12.9	13.2	13.4	6.2	--
OU2MW-45S	34 North Clinton	11.2	10.6	10.2	10.7	12.2	--
OU2MW-46I	34 North Clinton	12.7	11.8	15.2	13.5	12.9	--
OU2MW-46I2	34 North Clinton	11.3	10.1	15.1	13.7	7.7	--
OU2MW-46S	34 North Clinton	10.5	8.7	12.1	10.9	6.3	--
OU2MW-47D	34 North Clinton	12.9	12.5	12.9	13.6	14.2	16.2
OU2MW-47I	34 North Clinton	12.9	12.5	13.7	13.3	13.5	15.3
OU2MW-47I2	34 North Clinton	12.9	13.6	13.9	13.9	14.6	16.0
OU2MW-47S	34 North Clinton	11.6	11.2	11.3	12.5	14.1	16.6
OU2MW-52D	Manatuck Lane	--	8.2	--	13.8	--	--
OU2MW-52I	Manatuck Lane	--	11.82	--	--	--	--
OU2MW-52S	Manatuck Lane	--	12.4	--	12.3	--	--
OU2MW-53D	Manatuck Lane	--	6.3	--	13.3	--	--
OU2MW-53I	Manatuck Lane	--	11.89	--	12.4	--	--
OU2MW-53S	Manatuck Lane	--	12.4	--	10.5	--	--

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 Heterotrophic Plate Count (cfu/ml)					
		May-08	Sep-08	Dec-08	Jan-09	Feb-09	Mar-09
OU2MW-19I	Cooper Lane	880	--	--	--	--	--
OU2MW-19I2	Cooper Lane	1,900	--	--	--	--	--
OU2MW-19D	Cooper Lane	--	--	--	--	--	--
OU2MW-20D	Cooper Lane	--	--	--	--	--	--
OU2MW-20I	Cooper Lane	110	--	--	--	--	--
OU2MW-20I2	Cooper Lane	1,400	--	--	--	--	--
OU2MW-20S	Cooper Lane	180	--	--	--	--	--
OU2MW-28I	9 N Clinton	--	29	--	--	--	4,600
OU2MW-28I2	9 N Clinton	--	860	--	--	--	2,300
OU2MW-28S	9 N Clinton	--	4,600	--	--	--	420
OU2MW-29D	9 N Clinton	--	3,300	--	--	--	1,800
OU2MW-29I	9 N Clinton	--	480	--	--	--	5,000
OU2MW-29I2	9 N Clinton	--	890	--	--	--	3,600
OU2MW-30D	9 N Clinton	--	14,000	--	--	--	13,000
OU2MW-30D2	9 N Clinton	--	101,200	--	--	--	3,000
OU2MW-30I	9 N Clinton	--	10,000	--	--	--	240
OU2MW-30I2	9 N Clinton	--	540	--	--	--	960
OU2MW-30I3	9 N Clinton	--	2,100	--	--	--	18,000
OU2MW-30S	9 N Clinton	--	3,200	--	--	--	720
OU2MW-31I	9 N Clinton	--	100	--	--	--	13,000
OU2MW-31I2	9 N Clinton	--	1,300	--	--	--	1,600
OU2MW-32D	9 N Clinton	--	1,100	--	--	--	300
OU2MW-32I	9 N Clinton	--	77	--	--	--	70
OU2MW-32I2	9 N Clinton	--	26	--	--	--	2,300
OU2MW-32S	9 N Clinton	--	170	--	--	--	69
OU2MW-35D	33 N Clinton	--	--	--	1,100	--	--
OU2MW-35I	33 N Clinton	--	--	--	220	--	--
OU2MW-35I2	33 N Clinton	--	--	--	1,100	--	--
OU2MW-35S	33 N Clinton	--	--	140	--	--	--
OU2MW-36D	33 N Clinton	--	--	4,000	--	--	--
OU2MW-36I	33 N Clinton	--	--	120	--	--	--
OU2MW-36I2	33 N Clinton	--	--	100	--	--	--
OU2MW-36S	33 N Clinton	--	--	62	--	--	--
OU2MW-37D	33 N Clinton	--	--	--	2,700	--	--
OU2MW-37I	33 N Clinton	--	--	--	230	--	--
OU2MW-37I2	33 N Clinton	--	--	--	1,700	--	--
OU2MW-37S	33 N Clinton	--	--	--	130	--	--
OU2MW-38D	33 N Clinton	--	--	--	230	--	--
OU2MW-38I	33 N Clinton	--	--	--	280	--	--
OU2MW-38I2	33 N Clinton	--	--	--	240	--	--
OU2MW-38S	33 N Clinton	--	--	--	120	--	--
OU2MW-39D	33 N Clinton	--	--	--	20,000	--	--
OU2MW-39I	33 N Clinton	--	--	--	4,200	--	--
OU2MW-39I2	33 N Clinton	--	--	--	1,200	--	--
OU2MW-39S	33 N Clinton	--	--	--	23,000	--	--
OU2MW-40I	9 N Clinton	--	190	--	--	--	--
OU2MW-40S	9 N Clinton	--	820	--	--	--	--
OU2MW-41I	9 N Clinton	--	42	--	--	--	--
OU2MW-41S	9 N Clinton	--	6,000	--	--	--	--
OU2MW-42D	33 N Clinton	--	--	--	--	--	13,000
OU2MW-42I	33 N Clinton	--	--	--	--	--	74
OU2MW-42I2	33 N Clinton	--	--	--	--	--	130
OU2MW-42S	33 N Clinton	--	--	--	--	--	1,040
OU2MW-43D	Cooper Lane	--	--	--	--	--	--
OU2MW-43I2	Cooper Lane	--	--	--	--	--	--
OU2MW-43I	Cooper Lane	--	--	--	--	--	--
OU2MW-43S	Cooper Lane	--	--	--	--	--	--

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 Heterotrophic Plate Count (cfu/ml)					
		May-08	Sep-08	Dec-08	Jan-09	Feb-09	Mar-09
OU2MW-44D	Cooper Lane	--	--	--	--	--	--
OU2MW-44I2	Cooper Lane	--	--	--	--	--	--
OU2MW-44I	Cooper Lane	--	--	--	--	--	--
OU2MW-44S	Cooper Lane	--	--	--	--	--	--
OU2MW-45D	34 N Clinton	--	--	--	220	360	310
OU2MW-45I	34 N Clinton	--	--	--	20	700	86
OU2MW-45I2	34 N Clinton	--	--	--	240	620	250
OU2MW-45S	34 N Clinton	--	--	--	86	1,200	270
OU2MW-46I	34 N Clinton	--	--	--	110	120,000	11,000
OU2MW-46I2	34 N Clinton	--	--	--	32	860	300
OU2MW-46S	34 N Clinton	--	--	--	18	4,800	15,000
OU2MW-47D	34 N Clinton	--	--	--	640	98,000	14,000
OU2MW-47I	34 N Clinton	--	--	--	4	68,000	2,600
OU2MW-47I2	34 N Clinton	--	--	--	24	73,000	9,800
OU2MW-47S	34 N Clinton	--	--	--	75	8,700	64,000
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-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 Heterotrophic Plate Count (cfu/ml)					
		Apr-09	May-09	Jun-09	Aug-09	Sep-09	Nov-09
OU2MW-19I	Cooper Lane	--	--	--	--	--	--
OU2MW-19I2	Cooper Lane	--	--	--	--	--	--
OU2MW-19D	Cooper Lane	--	--	--	--	--	--
OU2MW-20D	Cooper Lane	--	--	--	--	--	--
OU2MW-20I	Cooper Lane	--	--	--	--	--	--
OU2MW-20I2	Cooper Lane	--	--	--	--	--	--
OU2MW-20S	Cooper Lane	--	--	--	--	--	--
OU2MW-28I	9 N Clinton	4,400	11,000	1,300	200	--	11,000
OU2MW-28I2	9 N Clinton	1,200	960	540	140	--	180
OU2MW-28S	9 N Clinton	320	280	1,400	91	--	520
OU2MW-29D	9 N Clinton	180	180	180	1,100	--	300
OU2MW-29I	9 N Clinton	2,100	13,000	14,000	240	--	8,700
OU2MW-29I2	9 N Clinton	7,100	13,000	16,000	5,000	--	78,000
OU2MW-30D	9 N Clinton	13,000	16,000	107,600	15,000	--	106,900
OU2MW-30D2	9 N Clinton	100,500	105,000	135,350	18,000	--	101,200
OU2MW-30I	9 N Clinton	13,000	26,000	63,450	81,250	--	21,000
OU2MW-30I2	9 N Clinton	16,000	145,000	66,950	23,000	--	9,400
OU2MW-30I3	9 N Clinton	3,800	18,000	67,700	62,700	--	162,500
OU2MW-30S	9 N Clinton	1,200	10,000	2,500	6,200	--	280
OU2MW-31I	9 N Clinton	13,000	102,000	64,150	260	--	27,000
OU2MW-31I2	9 N Clinton	520	1,600	1,800	340	--	112,600
OU2MW-32D	9 N Clinton	42	58	20	10	--	13
OU2MW-32I	9 N Clinton	160	35	280	240	--	880
OU2MW-32I2	9 N Clinton	230	180	26	26	--	69
OU2MW-32S	9 N Clinton	99	24	4,800	160	--	24
OU2MW-35D	33 N Clinton	1,500	1,100	250	--	87	--
OU2MW-35I	33 N Clinton	12,000	12,000	340	--	32	--
OU2MW-35I2	33 N Clinton	170	100	29	--	74	--
OU2MW-35S	33 N Clinton	230	100	300	--	45	--
OU2MW-36D	33 N Clinton	240	83	140	--	65	--
OU2MW-36I	33 N Clinton	1,000	710	1,500	--	320	--
OU2MW-36I2	33 N Clinton	45	53	57	--	1,100	--
OU2MW-36S	33 N Clinton	33	63	130	--	500	--
OU2MW-37D	33 N Clinton	1,055	240	200	--	50	--
OU2MW-37I	33 N Clinton	1,800	2,100	750	--	2,500	--
OU2MW-37I2	33 N Clinton	170	180	400	--	430	--
OU2MW-37S	33 N Clinton	560	130	1,100	--	2,100	--
OU2MW-38D	33 N Clinton	--	--	--	--	--	--
OU2MW-38I	33 N Clinton	--	--	--	--	--	--
OU2MW-38I2	33 N Clinton	--	--	--	--	--	--
OU2MW-38S	33 N Clinton	--	--	--	--	--	--
OU2MW-39D	33 N Clinton	730	960	250	--	54	--
OU2MW-39I	33 N Clinton	3,600	11,000	4,100	--	200	--
OU2MW-39I2	33 N Clinton	54	33	1	--	6	--
OU2MW-39S	33 N Clinton	7	41	19	--	40	--
OU2MW-40I	9 N Clinton	--	--	--	--	--	--
OU2MW-40S	9 N Clinton	--	--	--	--	--	--
OU2MW-41I	9 N Clinton	--	--	--	--	--	--
OU2MW-41S	9 N Clinton	--	--	--	--	--	--
OU2MW-42D	33 N Clinton	620	910	240	--	2,900	--
OU2MW-42I	33 N Clinton	94,000	12,000	2,200	--	3,400	--
OU2MW-42I2	33 N Clinton	2,500	620	140	--	200	--
OU2MW-42S	33 N Clinton	300	210	5,700	--	150	--
OU2MW-43D	Cooper Lane	--	--	--	--	--	2,100
OU2MW-43I2	Cooper Lane	--	--	--	--	--	760
OU2MW-43I	Cooper Lane	--	--	--	--	--	430
OU2MW-43S	Cooper Lane	--	--	--	--	--	75

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 Heterotrophic Plate Count (cfu/ml)					
		Apr-09	May-09	Jun-09	Aug-09	Sep-09	Nov-09
OU2MW-44D	Cooper Lane	--	--	--	--	--	15,000
OU2MW-44I2	Cooper Lane	--	--	--	--	--	2,800
OU2MW-44I	Cooper Lane	--	--	--	--	--	700
OU2MW-44S	Cooper Lane	--	--	--	--	--	640
OU2MW-45D	34 N Clinton	--	210	4,200	--	270	--
OU2MW-45I	34 N Clinton	--	240	220	--	960	--
OU2MW-45I2	34 N Clinton	--	460	3,800	--	13,000	--
OU2MW-45S	34 N Clinton	--	1,000	95	--	520	--
OU2MW-46I	34 N Clinton	--	7,600	13,000	--	2,900	--
OU2MW-46I2	34 N Clinton	--	3,300	14,000	--	180	--
OU2MW-46S	34 N Clinton	--	920	760	--	290	--
OU2MW-47D	34 N Clinton	--	84,000	89,100	--	360	--
OU2MW-47I	34 N Clinton	--	2,500	2,800	--	420	--
OU2MW-47I2	34 N Clinton	--	6,500	950	--	960	--
OU2MW-47S	34 N Clinton	--	560	17,000	--	480	--
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-55S	NONE	--	--	--	--	--	--
OU2MW-55I	NONE	--	--	--	--	--	--
OU2MW-55I2	NONE	--	--	--	--	--	--
OU2MW-55D	NONE	--	--	--	--	--	--
OU2MW-56S	NONE	--	--	--	--	--	--
OU2MW-56I	NONE	--	--	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 Heterotrophic Plate Count (cfu/ml)						
		Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10
OU2MW-19I	Cooper Lane	--	--	--	7400	--	820	--
OU2MW-19I2	Cooper Lane	--	--	--	13000	--	4600	--
OU2MW-19D	Cooper Lane	--	--	--	12000	--	640	--
OU2MW-20D	Cooper Lane	--	--	--	220	--	57	--
OU2MW-20I	Cooper Lane	--	--	--	24000	--	1900	--
OU2MW-20I2	Cooper Lane	--	--	--	85	--	53	--
OU2MW-20S	Cooper Lane	--	--	--	100	--	58	--
OU2MW-28I	9 N Clinton	--	--	2600	--	--	220	--
OU2MW-28I2	9 N Clinton	--	--	3600	--	--	860	--
OU2MW-28S	9 N Clinton	--	--	340	--	--	35	--
OU2MW-29D	9 N Clinton	--	--	7800	--	--	180	--
OU2MW-29I	9 N Clinton	--	--	820	--	--	380	--
OU2MW-29I2	9 N Clinton	--	--	2400	--	--	10000	--
OU2MW-30D	9 N Clinton	--	--	29000	--	--	6200	--
OU2MW-30D2	9 N Clinton	--	--	7000	--	--	1800	--
OU2MW-30I	9 N Clinton	--	--	4400	--	--	680	--
OU2MW-30I2	9 N Clinton	--	--	12000	--	--	9200	--
OU2MW-30I3	9 N Clinton	--	--	9900	--	--	2600	--
OU2MW-30S	9 N Clinton	--	--	94	--	--	65	--
OU2MW-31I	9 N Clinton	--	--	880	--	--	350	--
OU2MW-31I2	9 N Clinton	--	--	240	--	--	2100	--
OU2MW-32D	9 N Clinton	--	--	7	--	--	12	--
OU2MW-32I	9 N Clinton	--	--	180	--	--	95	--
OU2MW-32I2	9 N Clinton	--	--	760	--	--	76	--
OU2MW-32S	9 N Clinton	--	--	23	--	--	37	--
OU2MW-35D	33 N Clinton	460	--	--	330	--	660	--
OU2MW-35I	33 N Clinton	290	--	--	17	--	58	--
OU2MW-35I2	33 N Clinton	10	--	--	27	--	13	--
OU2MW-35S	33 N Clinton	12	--	--	23	--	12	--
OU2MW-36D	33 N Clinton	1,100	--	--	78	--	37	--
OU2MW-36I	33 N Clinton	170	--	--	48	--	75	--
OU2MW-36I2	33 N Clinton	560	--	--	68	--	28	--
OU2MW-36S	33 N Clinton	42	--	--	14	--	31	--
OU2MW-37D	33 N Clinton	4,400	--	--	92	--	28	--
OU2MW-37I	33 N Clinton	700	--	--	33	--	300	--
OU2MW-37I2	33 N Clinton	450	--	--	15	--	24	--
OU2MW-37S	33 N Clinton	280	--	--	210	--	60	--
OU2MW-38D	33 N Clinton	--	--	--	--	--	--	--
OU2MW-38I	33 N Clinton	--	--	--	--	--	--	--
OU2MW-38I2	33 N Clinton	--	--	--	--	--	--	--
OU2MW-38S	33 N Clinton	--	--	--	--	--	--	--
OU2MW-39D	33 N Clinton	150	--	--	380	--	61	--
OU2MW-39I	33 N Clinton	54	--	--	50	--	72	--
OU2MW-39I2	33 N Clinton	38	--	--	380	--	110	--
OU2MW-39S	33 N Clinton	45	--	--	12	--	15	--
OU2MW-40I	9 N Clinton	--	--	--	--	--	--	--
OU2MW-40S	9 N Clinton	--	--	--	--	--	--	--
OU2MW-41I	9 N Clinton	--	--	--	--	--	--	--
OU2MW-41S	9 N Clinton	--	--	--	--	--	--	--
OU2MW-42D	33 N Clinton	1,300	--	--	720	--	67	--
OU2MW-42I	33 N Clinton	4,600	--	--	1100	--	660	--
OU2MW-42I2	33 N Clinton	1,100	--	--	15	--	170	--
OU2MW-42S	33 N Clinton	700	--	--	820	--	580	--
OU2MW-43D	Cooper Lane	--	--	--	3400	--	1700	--
OU2MW-43I2	Cooper Lane	--	--	--	4200	--	6900	--
OU2MW-43I	Cooper Lane	--	--	--	20000	--	1500	--
OU2MW-43S	Cooper Lane	--	--	--	99000	--	380	--

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 Heterotrophic Plate Count (cfu/ml)						
		Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10
OU2MW-44D	Cooper Lane	--	--	--	210	--	200	--
OU2MW-44I2	Cooper Lane	--	--	--	71	--	58	--
OU2MW-44I	Cooper Lane	--	--	--	34	--	90	--
OU2MW-44S	Cooper Lane	--	--	--	180	--	460	--
OU2MW-45D	34 N Clinton	140	--	--	200	--	190	--
OU2MW-45I	34 N Clinton	290	--	--	3200	--	300	--
OU2MW-45I2	34 N Clinton	6,700	--	--	4200	--	110	--
OU2MW-45S	34 N Clinton	1,000	--	--	340	--	160	--
OU2MW-46I	34 N Clinton	360	--	--	55	--	130	--
OU2MW-46I2	34 N Clinton	20	--	--	20	--	12	--
OU2MW-46S	34 N Clinton	36	--	--	40	--	22	--
OU2MW-47D	34 N Clinton	125,400	--	--	6200	--	5700	--
OU2MW-47I	34 N Clinton	12,000	--	--	340	--	300	--
OU2MW-47I2	34 N Clinton	4,700	--	--	2000	--	1000	--
OU2MW-47S	34 N Clinton	1,600	--	--	130	--	200	--
OU2MW-48S	66 N Clinton	--	--	1000	--	--	270	--
OU2MW-48I	66 N Clinton	--	--	100	--	--	82	--
OU2MW-48I2	66 N Clinton	--	--	80	--	--	55	--
OU2MW-48D	66 N Clinton	--	--	760	--	--	74	--
OU2MW-49S	66 N Clinton	--	--	45	--	--	30	--
OU2MW-49I	66 N Clinton	--	--	360	--	--	42	--
OU2MW-49I2	66 N Clinton	--	--	660	--	--	99	--
OU2MW-49D	66 N Clinton	--	--	460	--	--	130	--
OU2MW-54S	66 N Clinton	--	--	47	36	130	--	--
OU2MW-54I	66 N Clinton	--	--	290	80	94	--	--
OU2MW-54I2	66 N Clinton	--	--	1900	1500	580	--	--
OU2MW-54D	66 N Clinton	--	--	11000	110	99	--	--
OU2MW-55S	NONE	--	--	--	--	--	--	2400
OU2MW-55I	NONE	--	--	--	--	--	--	4200
OU2MW-55I2	NONE	--	--	--	--	--	--	1100
OU2MW-55D	NONE	--	--	--	--	--	--	2400
OU2MW-56S	NONE	--	--	--	--	--	--	22000
OU2MW-56I	NONE	--	--	--	--	--	--	2300
OU2MW-56I2	NONE	--	--	--	--	--	--	3200
OU2MW-56D	NONE	--	--	--	--	--	--	9400

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-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-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-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-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
MW-71/71S	0.520	0.666	0.575	0.524	0.558	0.336	0.325	0.414	0.476	0.535	0.428	0.587	0.641	0.477	0.510	0.463	0.452	0.580
MWBS-02D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MWBS-02I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.199	--
MWBS-02S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.266	--
OU3MW-01S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-06S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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-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-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-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-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
MW-71/71S	2.8	0.8	1.8	0.0	0.6	0.0	2.0	0.0	0.3	0.0	1.4	0.0	0.2	2.6	5.0	1.8	9.4	7.0
MWBS-02D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MWBS-02I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0	--
MWBS-02S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0	--
OU3MW-01S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-06S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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-34D	55	85	58	28.5	25	-16	45	118	85	22	62	77	114	132	-95	-20	--	--	16
MW-34I	-147	-178	-142	-156	-100	-303	-222	-139	-164	-109	-137	-136	-117	-132	-150	-129	--	--	-150
MW-34S	-150	-171	-24	-118.5	-67	35	85	-75	-71	-61	-115	-106	-42	-95	-140	-112	--	--	-165
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
MW-71/71S	-89	-95	-75	-84	-89	-42	-59	-88	-125	-85	-101	-81	-49	-56	-68	-68	-26	--	-48
MWBS-02D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MWBS-02I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2	--
MWBS-02S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-53	--
OU3MW-01S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-06S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH (st. units)																			
IO-10	6.17	6.52	6.04	6.46	6.38	6.31	6.43	6.52	7.39	6.29	6.41	6.33	6.45	6.20	6.56	6.49	--	--	6.20
MW-11W	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6.27	--
MW-30WR	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-32WR	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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-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-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-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
MW-71/71S	5.94	6.27	5.92	6.12	7.09	6.13	6.26	6.35	6.17	6.16	5.88	5.99	6.03	5.91	6.44	6.75	6.07	--	6.16
MWBS-02D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MWBS-02I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6.11	--
MWBS-02S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.72	--
OU3MW-01S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-06S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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 (deg C)																			
IO-10	17.3	18.9	19.8	18.7	15.5	14.1	9.5	10.9	11.4	13.6	15.9	18.0	17.5	10.7	9.8	10.1	--	18.4	
MW-11W	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	13.1	--	
MW-30WR	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-32WR	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
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-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-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-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	
MW-71/71S	17.9	20.6	21.4	19.3	13.0	10.2	4.1	6.5	8.0	12.4	15.9	20.4	18.3	7.8	7.1	7.8	10.4	18.7	
MWBS-02D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MWBS-02I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	10.6	
MWBS-02S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	11.5	
OU3MW-01S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-02I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-02S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-03I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-03S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-04D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-04I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-04S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-05I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-05S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-06S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-07I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-07I2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-07S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	

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-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-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-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-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
MW-71/71S	0.519	0.475	0.556	0.408	0.308	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MWBS-02D	--	--	--	--	--	--	0.612	--	--	--	--	--	--	--	--	--	--	--	0.705
MWBS-02I	--	0.240	--	0.247	--	--	0.198	--	--	0.269	--	18.000	--	--	0.471	--	--	--	0.243
MWBS-02S	--	0.193	--	0.383	--	--	0.536	--	--	0.309	--	0.500	--	--	--	0.376	--	--	0.470
OU3MW-01S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-06S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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-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-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-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-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
MW-71/71S	0.0	0.0	0.0	0.0	15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MWBS-02D	--	--	--	--	--	--	0.3	--	--	--	--	--	--	--	--	--	--	--	0.0
MWBS-02I	--	0.0	--	0.0	--	--	0.6	--	--	0.0	--	2.4	--	--	0.3	--	--	--	0.0
MWBS-02S	--	0.0	--	0.0	--	--	0.3	--	--	0.0	--	2.4	--	--	--	0.0	--	--	0.0
OU3MW-01S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-06S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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-34D	5	63	107	--	125	130	82	90	115	178	24	-15	191	-121	137	140	159	180	175	
MW-34I	-130	-144	-117	--	-87	-93	-106	-113	-141	-106	-156	-167	-137	-188	-130	-101	-109	-92	-109	
MW-34S	-109	-124	-123	--	-61	3	-33	-54	-183	-44	-141	-135	-88	-180	-39	-57	-127	-107	-150	
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	
MW-71/71S	-112	-97	-151	-51	23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MWBS-02D	--	--	--	--	--	--	32	--	--	--	--	--	--	--	--	--	--	--	-27	
MWBS-02I	--	25	--	22	--	--	7	--	--	-6	--	-22	--	--	-33	--	--	--	31	
MWBS-02S	--	-37	--	-17	--	--	-42	--	--	-73	--	-55	--	--	--	-60	--	--	-33	
OU3MW-01S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-02I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-02S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-03I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-03S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-04D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-04I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-04S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-05I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-05S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-06S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-07I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-07I2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-07S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
pH (st. units)																				
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-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-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-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-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	
MW-71/71S	5.74	5.85	6.07	6.26	6.15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MWBS-02D	--	--	--	--	--	--	5.70	--	--	--	--	--	--	--	--	--	--	--	6.02	
MWBS-02I	--	5.52	--	6.17	--	--	5.70	--	--	5.84	--	5.71	--	--	5.78	--	--	--	5.85	
MWBS-02S	--	5.26	--	6.15	--	--	5.56	--	--	6.03	--	5.88	--	--	--	5.94	--	--	6.12	
OU3MW-01S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-02I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-02S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-03I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-03S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-04D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-04I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-04S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-05I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-05S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-06S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-07I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-07I2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-07S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	

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 (deg C)																			
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-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-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-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-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
MW-71/71S	19.9	19.8	20.6	15.7	8.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MWBS-02D	--	--	--	--	--	--	11.4	--	--	--	--	--	--	--	--	--	--	--	12.4
MWBS-02I	--	15.7	--	14.6	--	--	8.4	--	--	10.8	--	16.2	--	--	14.7	--	--	--	10.1
MWBS-02S	--	15.3	--	14.4	--	--	9.3	--	--	10.4	--	15.2	--	--	--	14.0	--	--	10.6
OU3MW-01S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-06S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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-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-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-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-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	
MW-71/71S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MWBS-02D	--	--	--	--	--	--	--	--	--	--	--	--	--	0.321	--	--	0.340	--	
MWBS-02I	0.137	--	--	0.244	--	--	0.435	--	--	0.626	--	--	0.127	--	--	--	0.450	--	
MWBS-02S	0.258	--	--	0.225	--	--	0.642	--	--	--	--	--	0.490	--	--	--	--	--	
OU3MW-01S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-02I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-02S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-03I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-03S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-04D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-04I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-04S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-05I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-05S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-06S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-07I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-07I2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-07S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
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-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-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-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-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	
MW-71/71S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MWBS-02D	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0	--	--	0.0	--	
MWBS-02I	0.0	--	--	0.0	--	--	0.0	--	--	0.0	--	--	0.0	--	--	--	0.0	--	
MWBS-02S	0.0	--	--	0.0	--	--	0.0	--	--	--	--	--	0.0	--	--	--	--	--	
OU3MW-01S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-02I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-02S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-03I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-03S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-04D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-04I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-04S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-05I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-05S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-06S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-07I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-07I2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-07S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	

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-34D	--	202	135	162	171	210	173	94	-42	-301	-278	-172	38	47	82	94	70	93	
MW-34I	--	-177	-81	-120	-121	-37	-93	-126	-79	-336	-267	-334	-130	-130	-50	-126	-108	-65	
MW-34S	-162	-177	-125	-121	-144	-77	-173	-207	-97	-165	-219	-361	-289	-297	-234	-198	-101	--	
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	
MW-71/71S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MWBS-02D	--	--	--	--	--	--	--	--	--	--	--	--	--	-62	--	--	-99	--	
MWBS-02I	6	--	--	-21	--	--	-52	--	--	-142	--	--	-167	--	--	--	4	--	
MWBS-02S	-96	--	--	-115	--	--	-101	--	--	--	--	--	-158	--	--	--	--	--	
OU3MW-01S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-02I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-02S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-03I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-03S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-04D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-04I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-04S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-05I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-05S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-06S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-07I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-07I2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-07S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
pH (st. units)																			
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-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-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-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-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	
MW-71/71S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MWBS-02D	--	--	--	--	--	--	--	--	--	--	--	--	--	6.12	--	--	6.31	--	
MWBS-02I	5.89	--	--	5.77	--	--	6.28	--	--	5.88	--	--	5.48	--	--	--	5.61	--	
MWBS-02S	6.05	--	--	6.25	--	--	6.51	--	--	--	--	--	6.17	--	--	--	--	--	
OU3MW-01S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-02I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-02S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-03I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-03S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-04D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-04I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-04S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-05I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-05S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-06S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-07I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-07I2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-07S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	

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 (deg C)																			
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-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-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-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-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	
MW-71/71S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MWBS-02D	--	--	--	--	--	--	--	--	--	--	--	--	--	13.6	--	--	15.2	--	
MWBS-02I	11.7	--	--	16.3	--	--	16.2	--	--	12.6	--	--	10.5	--	--	--	16.9	--	
MWBS-02S	12.7	--	--	15.3	--	--	15.9	--	--	--	--	--	10.0	--	--	--	--	--	
OU3MW-01S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-02I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-02S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-03I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-03S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-04D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-04I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-04S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-05I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-05S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-06S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-07I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-07I2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-07S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	

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-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-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-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-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
MW-71/71S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MWBS-02D	--	--	--	0.451	--	--	0.616	--	--	--	--	--	0.461	--	--	0.586	--	--
MWBS-02I	--	--	--	0.287	--	--	0.233	--	--	0.244	--	--	0.471	--	--	0.521	--	--
MWBS-02S	--	--	0.503	--	--	--	0.421	--	--	--	0.378	--	0.500	--	--	1.600	--	--
OU3MW-01S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-06S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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-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-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-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-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
MW-71/71S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MWBS-02D	--	--	--	1.6	--	--	1.6	--	--	--	--	--	0.0	--	--	0.0	--	--
MWBS-02I	--	--	--	1.5	--	--	1.6	--	--	0.0	--	--	0.3	--	--	0.0	--	--
MWBS-02S	--	--	0.0	--	--	--	1.5	--	--	--	0.0	--	0.0	--	--	0.0	--	--
OU3MW-01S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-06S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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-34D	218	131	-4	1	220	233	209	-25	109	197	--	141	193	167	-23	113	70	140	
MW-34I	-15	-171	-71	-41	-31	-3	-66	-142	-74	-38	--	-37	-39	-61	-49	60	50	26	
MW-34S	-10	-177	-85	-71	-86	-91	-157	-198	-134	-123	--	-55	-124	-122	-108	-72	-84	-105	
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	
MW-71/71S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MWBS-02D	--	--	--	-116	--	--	-98	--	--	--	--	--	-99	--	--	-104	--	--	
MWBS-02I	--	--	--	-77	--	--	-60	--	--	-21	--	--	-33	--	--	-40	--	--	
MWBS-02S	--	--	-82	--	--	--	-101	--	--	--	-90	--	-96	--	--	-75	--	--	
OU3MW-01S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-02I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-02S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-03I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-03S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-04D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-04I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-04S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-05I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-05S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-06S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-07I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-07I2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-07S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
pH (st. units)																			
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-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-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-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-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	--	
MW-71/71S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MWBS-02D	--	--	--	5.97	--	--	7.53	--	--	--	--	--	6.61	--	--	6.39	--	--	
MWBS-02I	--	--	--	5.79	--	--	7.27	--	--	5.77	--	--	6.29	--	--	5.78	--	--	
MWBS-02S	--	--	5.63	--	--	--	7.46	--	--	--	5.91	--	6.57	--	--	5.68	--	--	
OU3MW-01S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-02I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-02S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-03I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-03S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-04D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-04I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-04S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-05I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-05S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-06S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-07I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-07I2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-07S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	

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 (deg C)																		
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-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-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-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-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
MW-71/71S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MWBS-02D	--	--	--	13.3	--	--	11.8	--	--	--	--	--	14.1	--	--	13.8	--	--
MWBS-02I	--	--	--	11.0	--	--	10.7	--	--	16.3	--	--	15.6	--	--	9.7	--	--
MWBS-02S	--	--	10.7	--	--	--	10.9	--	--	--	16.9	--	16.1	--	--	10.5	--	--
OU3MW-01S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-06S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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
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
MW-11W	--	0.295	--	--	--	--	--	0.409	--	--	0.388	--	--	0.297
MW-30WR	1.650	--	--	1.270	--	--	--	0.842	--	1.160	--	--	0.988	--
MW-32WR	1.000	--	--	0.999	--	--	0.566	--	0.723	--	--	--	1.440	--
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
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
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
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
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
MW-71/71S	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MWBS-02D	--	0.399	--	--	0.320	--	0.218	--	--	--	0.417	--	0.352	--
MWBS-02I	--	0.400	--	--	0.337	--	0.333	--	--	--	0.296	--	0.218	--
MWBS-02S	--	0.417	--	--	0.356	--	0.436	--	--	0.592	--	--	0.325	--
OU3MW-01S	--	--	--	--	0.607	--	0.543	--	--	3.380	--	--	1.250	--
OU3MW-02I	--	--	--	--	0.252	--	0.187	--	--	0.221	--	--	0.191	--
OU3MW-02S	--	--	--	--	0.446	--	0.282	--	--	1.210	--	--	0.536	--
OU3MW-03I	--	--	--	--	0.484	--	--	0.300	--	--	0.493	0.310	--	--
OU3MW-03S	--	--	--	--	0.598	--	--	0.693	--	--	0.845	0.820	--	--
OU3MW-04D	--	--	--	--	0.307	--	0.402	--	--	0.345	--	0.750	--	--
OU3MW-04I	--	--	--	--	0.516	--	0.397	--	--	0.253	--	0.256	--	--
OU3MW-04S	--	--	--	--	0.653	--	0.781	--	--	0.619	--	0.403	--	--
OU3MW-05I	--	--	--	--	--	0.383	--	--	--	--	0.457	--	--	0.342
OU3MW-05S	--	--	--	--	--	0.793	--	--	--	--	0.473	--	--	0.425
OU3MW-06S	--	--	--	--	0.464	--	--	0.479	--	--	0.523	--	0.331	--
OU3MW-07I	--	--	--	--	--	--	--	--	--	--	0.355	0.335	0.357	0.359
OU3MW-07I2	--	--	--	--	--	--	--	--	--	--	0.275	0.278	0.346	0.353
OU3MW-07S	--	--	--	--	--	--	--	--	--	--	0.235	0.284	0.516	0.591
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
MW-11W	--	0.2	--	--	--	--	--	0.6	--	--	2.1	--	--	0.0
MW-30WR	0.0	--	--	0.0	--	--	--	0.0	--	0.0	--	--	0.5	--
MW-32WR	0.0	--	--	0.0	--	--	0.0	--	0.0	--	--	--	4.9	--
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
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
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
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
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
MW-71/71S	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MWBS-02D	--	0.0	--	--	0.0	--	0.0	--	--	--	0.0	--	0.0	--
MWBS-02I	--	0.0	--	--	0.0	--	0.0	--	--	--	0.0	--	0.0	--
MWBS-02S	--	0.0	--	--	0.0	--	0.0	--	--	0.0	--	--	2.2	--
OU3MW-01S	--	--	--	--	0.0	--	0.05	--	--	0.0	--	--	0.0	--
OU3MW-02I	--	--	--	--	0.0	--	0.0	--	--	0.0	--	--	26.0	--
OU3MW-02S	--	--	--	--	20.0	--	26.0	--	--	20.0	--	--	29.0	--
OU3MW-03I	--	--	--	--	0.0	--	--	0.0	--	--	0.0	3.8	--	--
OU3MW-03S	--	--	--	--	0.9	--	--	0.0	--	--	0.0	0.6	--	--
OU3MW-04D	--	--	--	--	0.0	--	0.0	--	--	0.0	--	0.0	--	--
OU3MW-04I	--	--	--	--	4.1	--	0.0	--	--	8.0	--	0.0	--	--
OU3MW-04S	--	--	--	--	0.0	--	0.0	--	--	0.0	--	0.0	--	--
OU3MW-05I	--	--	--	--	--	0.7	--	--	--	--	19.0	--	--	0.0
OU3MW-05S	--	--	--	--	--	25.0	--	--	--	--	6.5	--	--	12.7
OU3MW-06S	--	--	--	--	0.0	--	--	0.0	--	--	0.0	--	0.0	--
OU3MW-07I	--	--	--	--	--	--	--	--	--	--	3.2	3.8	27.0	27.0
OU3MW-07I2	--	--	--	--	--	--	--	--	--	--	3.3	3.7	3.0	5.0
OU3MW-07S	--	--	--	--	--	--	--	--	--	--	3.0	3.4	0.0	0.0

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
Oxidation Reduction Potential (mV)														
IO-10	90	107	--	85	157	--	227	218	206	145	150	57	92	68
MW-11W	--	-31	--	--	--	--	--	-44	--	--	40	--	--	-52
MW-30WR	-41	--	--	-163	--	--	--	-111	--	-121	--	--	-107	--
MW-32WR	-97	--	--	-163	--	--	-183	--	-126	--	--	--	-104	--
MW-34D	185	135	261	-234	197	-76	201	210	129	193	190	47	84	-47
MW-34I	167	175	225	-213	183	-81	209	208	170	220	186	81	121	-24
MW-34S	-150	-105	-102	-238	-75	-138	-112	-96	-118	-39	5	-88	-96	-172
MW-46WR	-11	-27	8	-71	-7	--	-18	26	88	43	66	-37	-75	-71
MW-70/70S	-29	-32	--	-78	-8	--	36	68	44	37	71	-40	29	-88
MW-71/71S	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MWBS-02D	--	-124	--	--	-133	--	-185	--	--	--	39	--	9	--
MWBS-02I	--	-72	--	--	-141	--	-174	--	--	--	23	--	-12	--
MWBS-02S	--	-83	--	--	-163	--	-212	--	--	-178	--	--	-93	--
OU3MW-01S	--	--	--	--	-181	--	-80	--	--	-138	--	--	-105	--
OU3MW-02I	--	--	--	--	113	--	186	--	--	99	--	--	210	--
OU3MW-02S	--	--	--	--	137	--	401	--	--	183	--	--	210	--
OU3MW-03I	--	--	--	--	-117	--	--	30	--	--	-6	-45	--	--
OU3MW-03S	--	--	--	--	-60	--	--	1	--	--	-36	-30	--	--
OU3MW-04D	--	--	--	--	122	--	111	--	--	206	--	213	--	--
OU3MW-04I	--	--	--	--	-63	--	-89	--	--	38	--	-34	--	--
OU3MW-04S	--	--	--	--	-142	--	-140	--	--	-33	--	-55	--	--
OU3MW-05I	--	--	--	--	--	89	--	--	--	--	136	--	--	100
OU3MW-05S	--	--	--	--	--	90	--	--	--	--	109	--	--	114
OU3MW-06S	--	--	--	--	-66	--	--	-31	--	--	18	--	20	--
OU3MW-07I	--	--	--	--	--	--	--	--	--	--	-56	43	190	148
OU3MW-07I2	--	--	--	--	--	--	--	--	--	--	18	42	152	133
OU3MW-07S	--	--	--	--	--	--	--	--	--	--	-139	-107	-109	-40
pH (st. units)														
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
MW-11W	--	5.90	--	--	--	--	--	5.89	--	--	5.66	--	--	5.68
MW-30WR	5.82	--	--	6.15	--	--	--	5.83	--	5.72	--	--	5.99	--
MW-32WR	6.13	--	--	6.09	--	--	6.57	--	6.04	--	--	--	6.42	--
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
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
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
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
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
MW-71/71S	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MWBS-02D	--	6.22	--	--	6.17	--	6.91	--	--	--	5.56	--	5.31	--
MWBS-02I	--	5.95	--	--	5.77	--	6.50	--	--	--	5.69	--	6.80	--
MWBS-02S	--	5.65	--	--	5.85	--	6.60	--	--	6.03	--	--	6.10	--
OU3MW-01S	--	--	--	--	10.12	--	8.27	--	--	6.24	--	--	7.94	--
OU3MW-02I	--	--	--	--	5.90	--	5.97	--	--	5.84	--	--	6.08	--
OU3MW-02S	--	--	--	--	5.89	--	5.85	--	--	5.65	--	--	5.81	--
OU3MW-03I	--	--	--	--	9.84	--	--	7.09	--	--	5.66	5.89	--	--
OU3MW-03S	--	--	--	--	5.82	--	--	7.46	--	--	5.73	5.64	--	--
OU3MW-04D	--	--	--	--	5.84	--	5.95	--	--	5.96	--	5.74	--	--
OU3MW-04I	--	--	--	--	8.30	--	5.88	--	--	5.54	--	5.86	--	--
OU3MW-04S	--	--	--	--	9.69	--	6.24	--	--	6.01	--	5.78	--	--
OU3MW-05I	--	--	--	--	--	5.97	--	--	--	--	5.18	--	--	5.18
OU3MW-05S	--	--	--	--	--	6.66	--	--	--	--	6.35	--	--	5.71
OU3MW-06S	--	--	--	--	8.79	--	--	5.72	--	--	5.54	--	7.06	--
OU3MW-07I	--	--	--	--	--	--	--	--	--	--	6.26	5.92	5.86	6.02
OU3MW-07I2	--	--	--	--	--	--	--	--	--	--	5.86	5.65	5.63	5.94
OU3MW-07S	--	--	--	--	--	--	--	--	--	--	5.60	5.79	5.99	5.90

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
Temperature (deg C)														
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
MW-11W	--	17.2	--	--	--	--	--	11.1	--	--	6.9	--	--	6.4
MW-30WR	13.6	--	--	20.0	--	--	--	10.9	--	7.7	--	--	15.5	--
MW-32WR	14.1	--	--	19.9	--	--	16.1	--	9.0	--	--	--	16.3	--
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
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
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
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
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
MW-71/71S	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MWBS-02D	--	12.8	--	--	16.3	--	14.7	--	--	--	12.7	--	13.7	--
MWBS-02I	--	12.8	--	--	17.1	--	15.9	--	--	--	9.4	--	11.1	--
MWBS-02S	--	12.2	--	--	16.7	--	15.3	--	--	12.3	--	--	14.4	--
OU3MW-01S	--	--	--	--	20.7	--	15.8	--	--	8.9	--	--	15.4	--
OU3MW-02I	--	--	--	--	16.0	--	14.5	--	--	11.0	--	--	13.1	--
OU3MW-02S	--	--	--	--	19.2	--	14.2	--	--	8.2	--	--	5.2	--
OU3MW-03I	--	--	--	--	17.1	--	--	7.54	--	--	10.6	13.1	--	--
OU3MW-03S	--	--	--	--	19.3	--	--	12.1	--	--	9.3	13.2	--	--
OU3MW-04D	--	--	--	--	14.8	--	2.4	--	--	12.6	--	13.5	--	--
OU3MW-04I	--	--	--	--	16.7	--	12.9	--	--	11.9	--	12.6	--	--
OU3MW-04S	--	--	--	--	18.9	--	12.5	--	--	8.3	--	12.7	--	--
OU3MW-05I	--	--	--	--	--	18.4	--	--	--	--	11.3	--	--	17.0
OU3MW-05S	--	--	--	--	--	18.3	--	--	--	--	10.4	--	--	18.2
OU3MW-06S	--	--	--	--	17.7	--	--	13.2	--	--	9.4	--	13.7	--
OU3MW-07I	--	--	--	--	--	--	--	--	--	--	11.1	12.7	14.9	16.8
OU3MW-07I2	--	--	--	--	--	--	--	--	--	--	12.0	13.1	14.8	15.8
OU3MW-07S	--	--	--	--	--	--	--	--	--	--	9.7	11.9	15.7	17.7

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

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 Heterotrophic Plate Count (cfu/ml)										
	Q1 2001	Q2 2001	Q3 2001	Q4 2001	Q1 2002	Q2 2002	Q3 2002	Q4 2002	Q2 2004	Q3 2004	Q4 2004
MW-02S	--	--	--	--	--	--	--	--	10,000	--	--
MW-02SR	--	--	--	--	--	--	--	--	--	TNTC	2,200
MW-16S	--	--	--	--	--	--	--	--	2,700	--	--
MW-16SR	--	--	--	--	--	--	--	--	--	TNTC	6,400
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
MW-46W	>3,000	>300	--	--	--	--	--	--	--	--	--
MW-46WR	--	--	--	--	--	--	--	46,000	24,000	13,000	6,600
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
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
PDMW-01	--	--	--	--	--	--	--	--	150	83	78
PDMW-02	--	--	--	--	--	--	--	--	13	TNTC	200
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 Heterotrophic Plate Count (cfu/ml)											
	Q1 2005	Q2 2005	Q3 2005	Q4 2005	Q1 2006	Q2 2006	Q3 2006	Q4 2006	Q1 2007	Q2 2007	Q3 2007	Q4 2007
MW-02S	--	--	--	--	--	--	--	--	--	--	--	--
MW-02SR	1,600	1,400	2,500	1,100	1,200	95	350	1,000	560	70	190	300
MW-16S	--	--	--	--	--	--	--	--	--	--	--	--
MW-16SR	160	2,000	1,100	23,000	6,000	1,700	4100	30,000	12,000	3,200	2,000	416,400
MW-30W	--	--	--	--	--	--	--	--	--	--	--	--
MW-34S	420	1,300	420	5,800	640	730	1900	1,000	2,200	130	9,000	370
MW-46W	--	--	--	--	--	--	--	--	--	--	--	--
MW-46WR	4,400	2,000	1,800	1,800	1,000	22,000	2800	4,600	2,100	560	8,600	3,200
MW-64	--	--	--	--	--	--	--	--	--	--	--	--
MW-70/70S	340	8,200	2,600	900	800	470	350	170	180	44	1,700	170
MW-71/71S	--	--	--	--	--	--	--	--	--	--	--	--
MWBS-02S	250	100	220	340	260	55	45	26	74	16	100	160
PDMW-01	110	220	71	810	140	45	240	50	33	22	420	130
PDMW-02	29,000	2,200	2,300	6,000	4,300	3,000	720	2,400	1,700	390	2,000	110
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 Heterotrophic Plate Count (cfu/ml)									
	Q1 2008	Q2 2008	Q3 2008	Q4 2008	Q1 2009	Q2 2009	Q3 2009	Q4 2009	Q1 2010	Q2 2010
MW-02S	--	--	--	--	--	--	--	--	--	--
MW-02SR	76	44	380	290	130	110	--	--	--	--
MW-16S	--	--	--	--	--	--	--	--	--	--
MW-16SR	137,500	84,000	7,765	25,000	4,300	16,000	--	--	--	--
MW-30W	--	--	--	--	--	--	--	--	--	--
MW-34S	1,000	390	580	360	100	2,400	210	420	260	400
MW-46W	--	--	--	--	--	--	--	--	--	--
MW-46WR	15,000	120	1,400	800	170	12,000	4,200	260	310	2,000
MW-64	--	--	--	--	--	--	--	--	--	--
MW-70/70S	2,000	80	580	680	120	920	390	5,900	160	340
MW-71/71S	--	--	--	--	--	--	--	--	--	--
MWBS-02S	280	340	860	650	550	55	220	62	620	32
PDMW-01	38	120	1,000	200	280	140	--	71	--	120
PDMW-02	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	3/31/2010	11:08	2.00	23.97	7.57	16.40	
BBMW-05D2	-	-	2.00	20.45	-	NC	Abandoned
BBMW-13D	4/1/2010	10:32	2.00	23.90	7.38	16.52	
BBMW-20D	-	-	1.00	18.69	-	NC	Destroyed
BBMW-20I	3/31/2010	14:27	1.00	18.63	4.21	14.42	
BBMW-20S	-	-	1.00	18.66	-	NC	Destroyed
BBMW-22D	3/31/2010	14:16	2.00	20.77	4.34	16.43	
BBMW-22I	3/31/2010	14:12	2.00	17.58	4.41	13.17	
BBMW-22S	3/31/2010	14:09	2.00	20.87	4.37	16.50	
BBMW-26I	3/31/2010	14:27	1.00	25.02	7.18	17.84	
BBMW-26S	3/31/2010	14:26	1.00	24.96	7.11	17.85	
BBMW-27I	3/31/2010	14:41	1.00	25.37	7.58	17.79	
BBMW-27S	3/31/2010	14:39	1.00	25.03	7.27	17.76	
BBMW-34S	3/31/2010	15:17	2.00	25.03	8.38	16.65	
BBMW-34I	3/31/2010	15:18	2.00	25.24	8.45	16.79	
BBMW-34I2	3/31/2010	15:20	2.00	25.05	8.44	16.61	
BBMW-34D	3/31/2010	15:21	2.00	25.21	8.42	16.79	
BBMW-38S	3/31/2010	14:51	2.00	26.14	8.82	17.32	
BBMW-38I	3/31/2010	14:54	2.00	26.09	8.87	17.22	
BBMW-38I2	3/31/2010	14:56	2.00	26.16	8.91	17.25	
BBMW-38D	3/31/2010	14:59	2.00	26.08	8.86	17.22	
BBMW-39S	3/31/2010	15:11	2.00	23.99	7.41	16.58	
BBMW-39I	3/31/2010	15:12	2.00	24.03	7.45	16.58	
BBMW-39I2	3/31/2010	15:14	2.00	23.98	7.44	16.54	
BBMW-39D	3/31/2010	15:15	2.00	23.98	7.43	16.55	
BBMW-40S	3/31/2010	15:04	2.00	24.76	7.61	17.15	
BBMW-40I	3/31/2010	15:00	2.00	24.77	7.69	17.08	
BBMW-40I2	3/31/2010	15:07	2.00	24.77	7.70	17.07	
BBMW-40D	3/31/2010	15:09	2.00	24.76	7.68	17.08	
BBMW-41S	3/31/2010	15:24	2.00	24.28	7.60	16.68	
BBMW-41I	3/31/2010	15:25	2.00	24.37	7.55	16.82	
BBMW-41I2	3/31/2010	15:26	2.00	24.47	7.54	16.93	
BBMW-41D	3/31/2010	15:28	2.00	24.40	7.51	16.89	
MW-03D	4/1/2010	10:30	4.00	22.48	6.02	16.46	
MW-03S	4/1/2010	10:28	4.00	22.59	6.11	16.48	
MW-05D	3/31/2010	13:45	2.00	24.37	7.35	17.02	
MW-05S	3/31/2010	13:43	2.00	24.05	7.31	16.74	
MW-09S	3/31/2010	14:33	4.00	25.17	7.17	18.00	
MW-09I	3/31/2010	14:34	2.00	24.71	6.69	18.02	
MW-09I2	3/31/2010	14:35	2.00	25.59	7.63	17.96	
MW-09D	3/31/2010	14:36	2.00	25.51	7.57	17.94	
OZMW-16S	-	-	2.00	19.88	-	NC	
OZMW-16I	-	-	2.00	19.90	-	NC	
OZMW-16I2	-	-	2.00	19.72	-	NC	
OZMW-16D	-	-	2.00	20.10	-	NC	
OZMW-17S	3/31/2010	11:17	2.00	19.83	3.91	15.92	
OZMW-17I	3/31/2010	11:20	2.00	19.91	3.97	15.94	
OZMW-17I2	3/31/2010	11:23	2.00	19.86	3.95	15.91	
OZMW-17D	3/31/2010	11:26	2.00	19.88	4.02	15.86	
OZMW-18S	-	-	2.00	19.56	-	NC	
OZMW-18I	-	-	2.00	19.98	-	NC	
OZMW-18I2	-	-	2.00	19.97	-	NC	
OZMW-18D	-	-	2.00	19.53	-	NC	
OZMW-19S	3/31/2010	10:51	2.00	26.11	9.59	16.52	
OZMW-19I	3/31/2010	10:49	2.00	26.08	9.71	16.37	
OZMW-19I2	3/31/2010	10:46	2.00	26.08	9.77	16.31	
OZMW-19D	3/31/2010	10:44	2.00	26.08	9.70	16.38	

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
OZMW-22S	-	-	2.00	19.43	-	NC	Abandoned
OZMW-22I	-	-	2.00	19.67	-	NC	Abandoned
OZMW-22I2	-	-	2.00	19.66	-	NC	Abandoned
OZMW-22D	-	-	2.00	19.48	-	NC	Abandoned
OZMW-25S	3/31/2010	10:57	2.00	24.67	8.01	16.66	
OZMW-25I	3/31/2010	11:00	2.00	24.55	7.92	16.63	
OZMW-25I2	3/31/2010	11:02	2.00	24.61	7.97	16.64	
OZMW-25D	3/31/2010	11:05	2.00	24.82	8.19	16.63	

Notes:

- 1 - Well Elevations obtained from 2007 survey or later and reference NAVD88 datum
- MSL - Mean Sea Level
- NC - Not Calculated
- Not Measured

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
BBMW-05D	64.0 - 74.0	NM	13.67	13.42	13.51	12.15	14.25	14.72	14.55	13.70
BBMW-05D2	126.5 - 136.5	NM	NM	14.00	13.82	12.30	14.72	15.54	15.07	14.51
BBMW-13D	62.0 -72.0	NM	14.05	13.75	14.55	12.48	14.64	15.12	15.15	14.09
BBMW-20S	4.0 - 14.0	NM	NM	NM	12.59	11.28	13.21	13.72	13.56	12.71
BBMW-20I	35.0 - 45.0	NM	NM	NM	12.52	11.22	13.14	13.64	13.48	12.64
BBMW-20D	62.0 - 72.0	NM	NM	NM	12.62	11.32	13.25	13.76	13.62	12.93
BBMW-22S	5.0 - 10.0	NM	NM	13.26	13.34	12.01	13.99	14.52	14.35	13.51
BBMW-22I	30.0 - 40.0	NM	NM	13.26	13.34	12.02	14.01	14.52	14.36	13.42
BBMW-22D	64.0 - 74.0	NM	NM	13.26	13.34	12.01	14.01	14.55	14.37	13.61
BBMW-26S	6.0 - 16.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-26I	30.0 - 40.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-27S	5.0 - 15.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-27I	30.0 - 40.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-34S	5.0 - 15.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-34I	25.0 - 30.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-34I2	40.0 - 45.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-34D	65.0 - 70.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-38S	5.0 - 15.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-38I	25.0 - 30.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-38I2	40.0 - 45.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-38D	65.0 - 70.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-39S	5.0 - 15.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-39I	25.0 - 30.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-39I2	45.0 - 50.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-39D	65.0 - 70.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-40S	5.0 - 15.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-40I	25.0 - 30.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-40I2	45.0 - 50.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-40D	70.0 - 75.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-41S	6.0 - 16.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-41I	25.0 - 30.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-41I2	45.0 - 50.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-41D	65.0 - 70.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-03S	3.0 -13.0	13.81	14.02	13.72	14.51	12.45	14.60	15.10	15.11	14.07
MW-03D	35.0 - 45.0	13.77	14.01	13.72	14.48	12.44	14.59	15.09	15.08	14.06
MW-05S	4.0 - 14.0	17.61	13.75	13.45	13.50	12.16	14.19	14.72	14.55	13.69
MW-05D	35.5 - 45.5	18.51	14.71	14.41	14.51	13.16	15.21	15.73	15.52	14.70
MW-09S	4.0 - 14.0	15.24	15.34	NM	15.08	13.55	15.67	16.50	16.55	15.54
MW-09I	30.0 - 40.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-09I2	45.0 - 50.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-09D	65.0 - 70.0	NM	NM	NM	NM	NM	NM	NM	NM	NM

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
OZMW-16S	5.0 - 15.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-16I	20.0 - 30.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-16I2	35.0 - 45.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-16D	55.0 - 65.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-17S	5.0 - 15.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-17I	20.0 - 30.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-17I2	35.0 - 45.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-17D	53.0 - 63.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-18S	5.0 - 15.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-18I	20.0 - 30.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-18I2	35.0 - 45.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-18D	55.0 - 65.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-19S	5.0 - 15.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-19I	20.0 - 30.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-19I2	35.0 - 45.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-19D	53.0 - 63.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-22S	5.0 - 15.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-22I	20.0 - 30.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-22I2	35.0 - 45.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-22D	55.0 - 65.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-25S	5.0 - 15.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-25I	20.0 - 30.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-25I2	35.0 - 45.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-25D	55.0 - 65.0	NM	NM	NM	NM	NM	NM	NM	NM	NM

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)								
		Jan-04	Apr-04	Aug-04	Oct-04	Feb-05	May-05	Aug-05	Nov-05	Feb-06
BBMW-05D	64.0 - 74.0	14.15	15.83	13.54	13.99	14.66	14.55	13.32	15.08	14.95
BBMW-05D2	126.5 - 136.5	15.10	16.23	14.38	15.10	15.66	15.62	13.64	16.27	16.22
BBMW-13D	62.0 -72.0	14.52	16.29	13.91	14.37	15.04	14.86	13.71	15.45	15.33
BBMW-20S	4.0 - 14.0	13.13	14.59	12.56	13.00	13.66	13.54	12.35	14.08	13.93
BBMW-20I	35.0 - 45.0	13.04	14.51	12.50	12.92	12.68	13.46	12.63	14.34	14.20
BBMW-20D	62.0 - 72.0	13.33	14.80	12.76	13.20	13.83	NM	13.00	14.70	14.55
BBMW-22S	5.0 - 10.0	13.92	15.54	13.34	13.79	14.44	14.34	13.13	14.93	14.75
BBMW-22I	30.0 - 40.0	13.94	15.52	13.33	13.78	14.43	14.33	13.12	14.88	14.74
BBMW-22D	64.0 - 74.0	13.98	15.52	13.37	13.83	14.42	14.36	13.16	14.96	14.76
BBMW-26S	6.0 - 16.0	NM	NM	NM	NM	16.11	16.09	14.74	16.60	16.49
BBMW-26I	30.0 - 40.0	NM	NM	NM	NM	16.12	16.10	14.79	16.62	16.50
BBMW-27S	5.0 - 15.0	NM	NM	NM	NM	16.10	16.08	14.73	16.59	16.47
BBMW-27I	30.0 - 40.0	NM	NM	NM	NM	16.14	16.11	14.78	16.62	16.50
BBMW-34S	5.0 - 15.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-34I	25.0 - 30.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-34I2	40.0 - 45.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-34D	65.0 - 70.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-38S	5.0 - 15.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-38I	25.0 - 30.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-38I2	40.0 - 45.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-38D	65.0 - 70.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-39S	5.0 - 15.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-39I	25.0 - 30.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-39I2	45.0 - 50.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-39D	65.0 - 70.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-40S	5.0 - 15.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-40I	25.0 - 30.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-40I2	45.0 - 50.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-40D	70.0 - 75.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-41S	6.0 - 16.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-41I	25.0 - 30.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-41I2	45.0 - 50.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-41D	65.0 - 70.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-03S	3.0 -13.0	14.49	16.23	13.87	14.33	15.01	14.88	13.64	15.42	15.30
MW-03D	35.0 - 45.0	14.49	16.22	13.87	14.33	15.00	14.89	13.65	15.41	15.27
MW-05S	4.0 - 14.0	14.15	15.83	13.54	13.99	14.66	14.54	13.32	14.06	14.96
MW-05D	35.5 - 45.5	15.15	15.81	13.55	14.00	14.66	14.55	13.32	15.08	14.95
MW-09S	4.0 - 14.0	15.88	17.44	15.26	15.74	16.41	16.40	15.03	16.89	16.79
MW-09I	30.0 - 40.0	NM	NM	NM	NM	16.37	16.37	15.02	16.85	16.77
MW-09I2	45.0 - 50.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-09D	65.0 - 70.0	NM	NM	NM	NM	NM	NM	NM	NM	NM

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)								
		Jan-04	Apr-04	Aug-04	Oct-04	Feb-05	May-05	Aug-05	Nov-05	Feb-06
OZMW-16S	5.0 - 15.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-16I	20.0 - 30.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-16I2	35.0 - 45.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-16D	55.0 - 65.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-17S	5.0 - 15.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-17I	20.0 - 30.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-17I2	35.0 - 45.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-17D	53.0 - 63.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-18S	5.0 - 15.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-18I	20.0 - 30.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-18I2	35.0 - 45.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-18D	55.0 - 65.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-19S	5.0 - 15.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-19I	20.0 - 30.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-19I2	35.0 - 45.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-19D	53.0 - 63.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-22S	5.0 - 15.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-22I	20.0 - 30.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-22I2	35.0 - 45.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-22D	55.0 - 65.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-25S	5.0 - 15.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-25I	20.0 - 30.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-25I2	35.0 - 45.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-25D	55.0 - 65.0	NM	NM	NM	NM	NM	NM	NM	NM	NM

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-06	July/Aug-06	Nov-06	Jan-07	May-07	July/Aug-07	Oct/Nov-07
BBMW-05D	64.0 - 74.0	14.46	14.19	14.63	14.51	14.91	14.23	13.41
BBMW-05D2	126.5 - 136.5	15.38	14.51	15.61	15.81	16.19	14.44	14.18
BBMW-13D	62.0 - 72.0	14.83	14.54	14.99	14.93	15.32	14.55	13.66
BBMW-20S	4.0 - 14.0	13.45	13.17	13.64	13.55	NM	NM	NM
BBMW-20I	35.0 - 45.0	13.73	13.42	13.90	13.79	NM	NM	NM
BBMW-20D	62.0 - 72.0	14.10	13.78	14.28	14.20	NM	NM	NM
BBMW-22S	5.0 - 10.0	14.26	13.97	14.43	14.34	14.73	14.08	13.26
BBMW-22I	30.0 - 40.0	14.26	13.97	14.43	14.34	14.72	14.08	13.27
BBMW-22D	64.0 - 74.0	14.27	13.98	14.49	14.41	14.46	13.70	12.89
BBMW-26S	6.0 - 16.0	15.98	15.72	16.11	16.07	16.46	15.67	14.74
BBMW-26I	30.0 - 40.0	15.98	15.72	16.10	16.08	16.46	15.63	14.76
BBMW-27S	5.0 - 15.0	15.98	NM	16.04	16.02	16.42	15.67	14.76
BBMW-27I	30.0 - 40.0	16.00	NM	16.07	16.05	16.44	15.70	14.80
BBMW-34S	5.0 - 15.0	NM	NM	NM	NM	NM	NM	NM
BBMW-34I	25.0 - 30.0	NM	NM	NM	NM	NM	NM	NM
BBMW-34I2	40.0 - 45.0	NM	NM	NM	NM	NM	NM	NM
BBMW-34D	65.0 - 70.0	NM	NM	NM	NM	NM	NM	NM
BBMW-38S	5.0 - 15.0	NM	NM	NM	NM	NM	NM	NM
BBMW-38I	25.0 - 30.0	NM	NM	NM	NM	NM	NM	NM
BBMW-38I2	40.0 - 45.0	NM	NM	NM	NM	NM	NM	NM
BBMW-38D	65.0 - 70.0	NM	NM	NM	NM	NM	NM	NM
BBMW-39S	5.0 - 15.0	NM	NM	NM	NM	NM	NM	NM
BBMW-39I	25.0 - 30.0	NM	NM	NM	NM	NM	NM	NM
BBMW-39I2	45.0 - 50.0	NM	NM	NM	NM	NM	NM	NM
BBMW-39D	65.0 - 70.0	NM	NM	NM	NM	NM	NM	NM
BBMW-40S	5.0 - 15.0	NM	NM	NM	NM	NM	NM	NM
BBMW-40I	25.0 - 30.0	NM	NM	NM	NM	NM	NM	NM
BBMW-40I2	45.0 - 50.0	NM	NM	NM	NM	NM	NM	NM
BBMW-40D	70.0 - 75.0	NM	NM	NM	NM	NM	NM	NM
BBMW-41S	6.0 - 16.0	NM	NM	NM	NM	NM	NM	NM
BBMW-41I	25.0 - 30.0	NM	NM	NM	NM	NM	NM	NM
BBMW-41I2	45.0 - 50.0	NM	NM	NM	NM	NM	NM	NM
BBMW-41D	65.0 - 70.0	NM	NM	NM	NM	NM	NM	NM
MW-03S	3.0 - 13.0	14.80	14.51	14.98	14.88	15.29	14.52	13.64
MW-03D	35.0 - 45.0	14.80	14.50	14.94	14.89	15.28	14.51	13.62
MW-05S	4.0 - 14.0	14.46	14.17	14.63	14.53	14.93	14.23	13.40
MW-05D	35.5 - 45.5	14.45	14.18	14.65	14.56	14.95	14.24	13.42
MW-09S	4.0 - 14.0	16.29	NM	16.34	16.33	16.75	15.96	14.99
MW-09I	30.0 - 40.0	16.28	NM	16.34	16.32	16.72	15.94	15.02
MW-09I2	45.0 - 50.0	NM	NM	NM	NM	NM	NM	NM
MW-09D	65.0 - 70.0	NM	NM	NM	NM	NM	NM	NM

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-06	July/Aug-06	Nov-06	Jan-07	May-07	July/Aug-07	Oct/Nov-07
OZMW-16S	5.0 - 15.0	NM	NM	NM	NM	NM	NM	NM
OZMW-16I	20.0 - 30.0	NM	NM	NM	NM	NM	NM	NM
OZMW-16I2	35.0 - 45.0	NM	NM	NM	NM	NM	NM	NM
OZMW-16D	55.0 - 65.0	NM	NM	NM	NM	NM	NM	NM
OZMW-17S	5.0 - 15.0	NM	NM	NM	NM	NM	NM	NM
OZMW-17I	20.0 - 30.0	NM	NM	NM	NM	NM	NM	NM
OZMW-17I2	35.0 - 45.0	NM	NM	NM	NM	NM	NM	NM
OZMW-17D	53.0 - 63.0	NM	NM	NM	NM	NM	NM	NM
OZMW-18S	5.0 - 15.0	NM	NM	NM	NM	NM	NM	NM
OZMW-18I	20.0 - 30.0	NM	NM	NM	NM	NM	NM	NM
OZMW-18I2	35.0 - 45.0	NM	NM	NM	NM	NM	NM	NM
OZMW-18D	55.0 - 65.0	NM	NM	NM	NM	NM	NM	NM
OZMW-19S	5.0 - 15.0	NM	NM	NM	NM	NM	NM	NM
OZMW-19I	20.0 - 30.0	NM	NM	NM	NM	NM	NM	NM
OZMW-19I2	35.0 - 45.0	NM	NM	NM	NM	NM	NM	NM
OZMW-19D	53.0 - 63.0	NM	NM	NM	NM	NM	NM	NM
OZMW-22S	5.0 - 15.0	NM	NM	NM	NM	NM	NM	NM
OZMW-22I	20.0 - 30.0	NM	NM	NM	NM	NM	NM	NM
OZMW-22I2	35.0 - 45.0	NM	NM	NM	NM	NM	NM	NM
OZMW-22D	55.0 - 65.0	NM	NM	NM	NM	NM	NM	NM
OZMW-25S	5.0 - 15.0	NM	NM	NM	NM	NM	NM	NM
OZMW-25I	20.0 - 30.0	NM	NM	NM	NM	NM	NM	NM
OZMW-25I2	35.0 - 45.0	NM	NM	NM	NM	NM	NM	NM
OZMW-25D	55.0 - 65.0	NM	NM	NM	NM	NM	NM	NM

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)							
		Jan-08	Apr-08	Aug-08	Nov-08	Jan-09	May-09	Jul-09	Oct-09
BBMW-05D	64.0 - 74.0	14.27	15.01	14.01	14.54	14.60	14.91	14.82	13.69
BBMW-05D2	126.5 - 136.5	15.07	15.81	14.01	15.33	15.66	14.75	15.61	NM
BBMW-13D	62.0 - 72.0	14.63	15.25	14.09	14.76	14.86	15.12	15.01	14.14
BBMW-20S	4.0 - 14.0	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-20I	35.0 - 45.0	13.91	NM	NM	14.21	NM	NM	NM	NM
BBMW-20D	62.0 - 72.0	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-22S	5.0 - 10.0	13.86	14.63	13.80	14.41	14.46	14.72	14.68	11.07
BBMW-22I	30.0 - 40.0	14.11	14.82	13.80	14.40	14.45	14.75	14.69	7.82
BBMW-22D	64.0 - 74.0	14.10	14.82	13.68	14.31	14.42	14.75	14.66	10.92
BBMW-26S	6.0 - 16.0	15.63	16.38	15.19	15.82	16.04	16.22	16.14	15.27
BBMW-26I	30.0 - 40.0	15.64	16.37	15.19	15.82	16.09	16.24	16.16	15.27
BBMW-27S	5.0 - 15.0	15.66	16.38	15.21	15.81	16.02	16.22	16.14	15.29
BBMW-27I	30.0 - 40.0	15.65	16.33	15.24	15.84	16.04	16.21	16.16	15.30
BBMW-34S	5.0 - 15.0	NM	NM	NM	NM	NM	NM	NM	14.27
BBMW-34I	25.0 - 30.0	NM	NM	NM	NM	NM	NM	NM	14.17
BBMW-34I2	40.0 - 45.0	NM	NM	NM	NM	NM	NM	NM	14.16
BBMW-34D	65.0 - 70.0	NM	NM	NM	NM	NM	NM	NM	14.16
BBMW-38S	5.0 - 15.0	NM	NM	NM	NM	NM	NM	NM	14.70
BBMW-38I	25.0 - 30.0	NM	NM	NM	NM	NM	NM	NM	14.63
BBMW-38I2	40.0 - 45.0	NM	NM	NM	NM	NM	NM	NM	14.63
BBMW-38D	65.0 - 70.0	NM	NM	NM	NM	NM	NM	NM	14.63
BBMW-39S	5.0 - 15.0	NM	NM	NM	NM	NM	NM	NM	14.03
BBMW-39I	25.0 - 30.0	NM	NM	NM	NM	NM	NM	NM	14.03
BBMW-39I2	45.0 - 50.0	NM	NM	NM	NM	NM	NM	NM	14.02
BBMW-39D	65.0 - 70.0	NM	NM	NM	NM	NM	NM	NM	14.02
BBMW-40S	5.0 - 15.0	NM	NM	NM	NM	NM	NM	NM	14.54
BBMW-40I	25.0 - 30.0	NM	NM	NM	NM	NM	NM	NM	14.55
BBMW-40I2	45.0 - 50.0	NM	NM	NM	NM	NM	NM	NM	14.52
BBMW-40D	70.0 - 75.0	NM	NM	NM	NM	NM	NM	NM	14.55
BBMW-41S	6.0 - 16.0	NM	NM	NM	NM	NM	NM	NM	14.29
BBMW-41I	25.0 - 30.0	NM	NM	NM	NM	NM	NM	NM	14.32
BBMW-41I2	45.0 - 50.0	NM	NM	NM	NM	NM	NM	NM	14.28
BBMW-41D	65.0 - 70.0	NM	NM	NM	NM	NM	NM	NM	14.28
MW-03S	3.0 - 13.0	14.60	15.21	14.05	14.72	14.83	15.1	15.00	14.11
MW-03D	35.0 - 45.0	14.60	15.21	14.05	14.72	14.81	15.10	14.98	14.11
MW-05S	4.0 - 14.0	14.24	15.01	13.99	9.51	14.58	14.92	14.82	13.96
MW-05D	35.5 - 45.5	14.26	14.98	14.00	9.82	14.60	14.91	14.82	14.29
MW-09S	4.0 - 14.0	15.85	16.63	15.45	16.09	16.35	16.49	16.41	15.52
MW-09I	30.0 - 40.0	15.90	16.64	15.44	16.07	16.35	16.50	16.45	15.54
MW-09I2	45.0 - 50.0	NM	NM	NM	NM	NM	NM	NM	15.47
MW-09D	65.0 - 70.0	NM	NM	NM	NM	NM	NM	NM	15.45

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)							
		Jan-08	Apr-08	Aug-08	Nov-08	Jan-09	May-09	Jul-09	Oct-09
OZMW-16S	5.0 - 15.0	NM	NM	13.06	13.76	13.75	14.05	13.99	NM
OZMW-16I	20.0 - 30.0	NM	NM	13.07	13.76	13.74	14.06	14.01	NM
OZMW-16I2	35.0 - 45.0	NM	NM	13.11	13.77	13.75	14.05	14.02	NM
OZMW-16D	55.0 - 65.0	NM	NM	13.05	13.81	13.77	14.05	14.02	NM
OZMW-17S	5.0 - 15.0	NM	NM	13.10	13.84	13.67	14.10	14.03	13.19
OZMW-17I	20.0 - 30.0	NM	NM	13.07	13.83	13.75	14.11	14.02	13.18
OZMW-17I2	35.0 - 45.0	NM	NM	13.05	13.79	13.73	14.05	13.99	13.14
OZMW-17D	53.0 - 63.0	NM	NM	13.02	13.80	13.74	14.09	13.99	13.16
OZMW-18S	5.0 - 15.0	NM	NM	12.72	13.76	13.66	14.01	13.95	NM
OZMW-18I	20.0 - 30.0	NM	NM	13.38	14.14	14.04	14.36	14.30	NM
OZMW-18I2	35.0 - 45.0	NM	NM	13.49	14.23	14.14	14.44	14.38	NM
OZMW-18D	55.0 - 65.0	NM	NM	12.98	13.76	13.65	13.98	13.92	NM
OZMW-19S	5.0 - 15.0	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-19I	20.0 - 30.0	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-19I2	35.0 - 45.0	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-19D	53.0 - 63.0	NM	NM	NM	NM	NM	NM	NM	NM
OZMW-22S	5.0 - 15.0	NM	NM	13.44	14.15	14.13	14.39	14.38	13.52
OZMW-22I	20.0 - 30.0	NM	NM	13.48	14.16	14.14	14.42	14.39	13.51
OZMW-22I2	35.0 - 45.0	NM	NM	13.46	14.15	14.12	14.39	14.36	13.5
OZMW-22D	55.0 - 65.0	NM	NM	13.42	14.12	14.09	14.38	14.32	13.46
OZMW-25S	5.0 - 15.0	NM	NM	NM	NM	NM	NM	NM	13.86
OZMW-25I	20.0 - 30.0	NM	NM	NM	NM	NM	NM	NM	13.87
OZMW-25I2	35.0 - 45.0	NM	NM	NM	NM	NM	NM	NM	13.88
OZMW-25D	55.0 - 65.0	NM	NM	NM	NM	NM	NM	NM	13.88

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)				
		Jan-10	Apr-10	Minimum	Average	Maximum
BBMW-05D	64.0 - 74.0	14.70	16.40	12.15	14.33	16.40
BBMW-05D2	126.5 - 136.5	NM	NM	12.30	15.02	16.27
BBMW-13D	62.0 - 72.0	15.24	16.52	12.48	14.70	16.52
BBMW-20S	4.0 - 14.0	NM	NM	11.28	13.25	14.59
BBMW-20I	35.0 - 45.0	NM	14.42	11.22	13.38	14.51
BBMW-20D	62.0 - 72.0	NM	NM	11.32	13.56	14.80
BBMW-22S	5.0 - 10.0	14.78	16.50	11.07	14.10	16.50
BBMW-22I	30.0 - 40.0	11.46	13.17	7.82	13.80	15.52
BBMW-22D	64.0 - 74.0	14.78	16.43	10.92	14.08	16.43
BBMW-26S	6.0 - 16.0	16.34	17.85	14.74	15.98	17.85
BBMW-26I	30.0 - 40.0	16.36	17.84	14.76	15.99	17.84
BBMW-27S	5.0 - 15.0	16.30	17.76	14.73	15.98	17.76
BBMW-27I	30.0 - 40.0	16.33	17.79	14.78	16.00	17.79
BBMW-34S	5.0 - 15.0	15.33	16.65	14.27	15.42	16.65
BBMW-34I	25.0 - 30.0	15.22	16.79	14.17	15.39	16.79
BBMW-34I2	40.0 - 45.0	15.22	16.61	14.16	15.33	16.61
BBMW-34D	65.0 - 70.0	15.21	16.79	14.16	15.39	16.79
BBMW-38S	5.0 - 15.0	15.83	17.32	14.70	15.95	17.32
BBMW-38I	25.0 - 30.0	15.69	17.22	14.63	15.85	17.22
BBMW-38I2	40.0 - 45.0	15.68	17.25	14.63	15.85	17.25
BBMW-38D	65.0 - 70.0	15.71	17.22	14.63	15.85	17.22
BBMW-39S	5.0 - 15.0	15.04	16.58	14.03	15.22	16.58
BBMW-39I	25.0 - 30.0	15.03	16.58	14.03	15.21	16.58
BBMW-39I2	45.0 - 50.0	15.01	16.54	14.02	15.19	16.54
BBMW-39D	65.0 - 70.0	15.03	16.55	14.02	15.20	16.55
BBMW-40S	5.0 - 15.0	15.66	17.15	14.54	15.78	17.15
BBMW-40I	25.0 - 30.0	15.58	17.08	14.55	15.74	17.08
BBMW-40I2	45.0 - 50.0	15.54	17.07	14.52	15.71	17.07
BBMW-40D	70.0 - 75.0	15.57	17.08	14.55	15.73	17.08
BBMW-41S	6.0 - 16.0	15.36	16.68	14.29	15.44	16.68
BBMW-41I	25.0 - 30.0	15.38	16.82	14.32	15.51	16.82
BBMW-41I2	45.0 - 50.0	15.36	16.93	14.28	15.52	16.93
BBMW-41D	65.0 - 70.0	15.35	16.89	14.28	15.51	16.89
MW-03S	3.0 - 13.0	15.21	16.48	12.45	14.64	16.48
MW-03D	35.0 - 45.0	15.21	16.46	12.44	14.63	16.46
MW-05S	4.0 - 14.0	14.98	16.74	9.51	14.28	17.61
MW-05D	35.5 - 45.5	15.29	17.02	9.82	14.63	18.51
MW-09S	4.0 - 14.0	16.62	18.00	13.55	16.04	18.00
MW-09I	30.0 - 40.0	16.62	18.02	15.02	16.26	18.02
MW-09I2	45.0 - 50.0	16.56	17.96	15.47	16.66	17.96
MW-09D	65.0 - 70.0	16.55	17.94	15.45	16.65	17.94

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)				
		Jan-10	Apr-10	Minimum	Average	Maximum
OZMW-16S	5.0 - 15.0	NM	NM	13.06	13.72	14.05
OZMW-16I	20.0 - 30.0	NM	NM	13.07	13.73	14.06
OZMW-16I2	35.0 - 45.0	NM	NM	13.11	13.74	14.05
OZMW-16D	55.0 - 65.0	NM	NM	13.05	13.74	14.05
OZMW-17S	5.0 - 15.0	14.23	15.92	13.10	14.01	15.92
OZMW-17I	20.0 - 30.0	14.23	15.94	13.07	14.02	15.94
OZMW-17I2	35.0 - 45.0	14.2	15.91	13.05	13.98	15.91
OZMW-17D	53.0 - 63.0	14.21	15.86	13.02	13.98	15.86
OZMW-18S	5.0 - 15.0	NM	NM	12.72	13.62	14.01
OZMW-18I	20.0 - 30.0	NM	NM	13.38	14.04	14.36
OZMW-18I2	35.0 - 45.0	NM	NM	13.49	14.14	14.44
OZMW-18D	55.0 - 65.0	NM	NM	12.98	13.66	13.98
OZMW-19S	5.0 - 15.0	NM	16.52	16.52	16.52	16.52
OZMW-19I	20.0 - 30.0	NM	16.37	16.37	16.37	16.37
OZMW-19I2	35.0 - 45.0	NM	16.31	16.31	16.31	16.31
OZMW-19D	53.0 - 63.0	NM	16.38	16.38	16.38	16.38
OZMW-22S	5.0 - 15.0	NM	NM	13.44	14.00	14.39
OZMW-22I	20.0 - 30.0	NM	NM	13.48	14.02	14.42
OZMW-22I2	35.0 - 45.0	NM	NM	13.46	14.00	14.39
OZMW-22D	55.0 - 65.0	NM	NM	13.42	13.97	14.38
OZMW-25S	5.0 - 15.0	14.87	16.66	13.86	15.13	16.66
OZMW-25I	20.0 - 30.0	14.85	16.63	13.87	15.12	16.63
OZMW-25I2	35.0 - 45.0	14.89	16.64	13.88	15.14	16.64
OZMW-25D	55.0 - 65.0	14.89	16.63	13.88	15.13	16.63

Notes:

NM - Not Measured

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	4/1/2010	8:36	2.00	19.65	4.92	14.73	
BBMW-01I	4/1/2010	8:36	2.00	19.23	4.49	14.74	
BBMW-01D	4/1/2010	8:38	2.00	19.20	4.46	14.74	
BBMW-02S	4/1/2010	9:03	2.00	16.83	3.23	13.60	
BBMW-02I	4/1/2010	9:03	2.00	16.96	3.37	13.59	
BBMW-02D	4/1/2010	9:04	2.00	17.13	3.53	13.60	
BBMW-03S	3/31/2010	14:27	2.00	11.33	1.65	9.68	
BBMW-03I	3/31/2010	14:27	2.00	11.19	1.51	9.68	
BBMW-03D	3/31/2010	14:28	2.00	11.24	1.54	9.70	
BBMW-04D	4/1/2010	13:22	2.00	19.69	3.65	16.04	
BBMW-07S	4/1/2010	7:25	2.00	12.80	5.03	7.77	
BBMW-07I	4/1/2010	7:20	2.00	12.60	4.84	7.76	
BBMW-07D	4/1/2010	7:17	2.00	12.58	4.85	7.73	
BBMW-15S	4/1/2010	9:15	2.00	15.92	3.76	12.16	
BBMW-15I	4/1/2010	9:16	2.00	15.82	3.69	12.13	
BBMW-15I2	4/1/2010	9:17	2.00	15.79	3.70	12.09	
BBMW-15D	4/1/2010	9:17	2.00	15.63	3.52	12.11	
BBMW-16S	4/1/2010	9:31	2.00	19.04	7.65	11.39	
BBMW-16I	4/1/2010	9:31	2.00	19.43	7.98	11.45	
BBMW-16D	4/1/2010	9:32	2.00	18.97	7.49	11.48	
BBMW-23S	4/1/2010	8:30	1.00	19.13	3.99	15.14	
BBMW-23I	4/1/2010	8:30	1.00	19.16	4.07	15.09	
BBMW-23D	4/1/2010	8:29	1.00	19.17	4.04	15.13	
BBMW-23D2	4/1/2010	8:29	2.00	18.61	3.48	15.13	
BBMW-24S	4/1/2010	12:31	1.00	18.14	5.25	12.89	
BBMW-24I	4/1/2010	12:32	1.00	18.01	5.31	12.70	
BBMW-24D	4/1/2010	12:33	1.00	17.76	5.13	12.63	
BBMW-25S	3/31/2010	14:50	1.00	12.80	2.40	10.40	
BBMW-25I	3/31/2010	14:50	1.00	12.79	2.42	10.37	
BBMW-25D	3/31/2010	14:50	1.00	12.70	2.35	10.35	
GM-03S	-	-	1.25	15.70	-	NC	Abandoned
GM-03I	-	-	1.25	15.61	-	NC	Abandoned
GM-03D	-	-	1.25	15.78	-	NC	Abandoned
GM-05S	4/1/2010	13:09	1.25	5.73	1.16	4.57	
GM-05I	4/1/2010	13:08	1.25	5.92	1.10	4.82	
GM-05D	4/1/2010	-	1.25	7.87	0.00	7.87	Artesian Conditions
GM-06S	4/1/2010	10:47	1.25	9.52	3.96	5.56	
GM-06I	4/1/2010	10:48	1.25	9.56	3.99	5.57	
GM-06D	4/1/2010	10:49	1.25	9.66	4.09	5.57	
GM-07S	4/1/2010	12:53	1.25	10.61	6.20	4.41	
GM-07I	4/1/2010	12:52	1.25	10.53	6.14	4.39	
GM-07D	4/1/2010	12:51	1.25	10.75	6.39	4.36	
GM-08S	3/31/2010	9:40	1.25	3.90	1.09	2.81	
GM-08I	3/31/2010	9:40	1.25	4.05	1.24	2.81	
GM-08D	3/31/2010	9:40	1.25	3.91	1.11	2.80	
GM-09S	4/1/2010	10:54	1.25	3.22	1.59	1.63	
GM-09I	4/1/2010	10:55	1.25	3.41	1.68	1.73	
GM-09D	4/1/2010	10:56	1.25	3.09	1.36	1.73	
GM-10AD	4/1/2010	12:43	2.00	8.07	4.64	3.43	
GMP-01	3/31/2010	10:33	0.75	6.58	1.18	5.40	
GMP-02	3/31/2010	10:07	0.75	6.28	1.52	4.76	
GMP-04	3/31/2010	10:11	0.75	3.74	0.94	2.80	
MW-16AS	4/1/2010	9:11	2.00	16.16	3.68	12.48	
OU2-IW01S	3/31/2010	10:05	2.00	5.95	0.98	4.97	
OU2MW-01WT	3/31/2010	14:45	1.00	12.86	2.57	10.29	
OU2MW-01S	3/31/2010	14:40	2.00	12.41	2.23	10.18	
OU2MW-01I	3/31/2010	14:40	2.00	12.47	2.22	10.25	
OU2MW-01I2	3/31/2010	14:41	2.00	12.28	3.12	9.16	
OU2MW-01D	3/31/2010	14:41	2.00	12.35	0.61	11.74	
OU2MW-02S	3/31/2010	14:32	2.00	11.58	1.59	9.99	
OU2MW-02I	3/31/2010	14:33	2.00	11.59	1.56	10.03	
OU2MW-02I2	3/31/2010	14:33	2.00	11.74	1.75	9.99	
OU2MW-02D	3/31/2010	14:33	2.00	11.53	1.39	10.14	
OU2MW-03S	3/31/2010	14:15	2.00	11.23	2.39	8.84	

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-03I	3/31/2010	14:15	2.00	11.15	2.29	8.86	
OU2MW-03I2	3/31/2010	14:16	2.00	11.15	2.83	8.32	
OU2MW-03D	3/31/2010	14:16	2.00	11.14	0.51	10.63	
OU2MW-04WT	3/31/2010	14:10	1.00	10.34	1.79	8.55	
OU2MW-04S	3/31/2010	14:10	2.00	10.18	1.81	8.37	
OU2MW-04I	3/31/2010	14:11	2.00	10.10	1.52	8.58	
OU2MW-04I2	3/31/2010	14:11	2.00	10.05	1.50	8.55	
OU2MW-04D	3/31/2010	14:11	2.00	10.08	1.52	8.56	
OU2MW-05	3/31/2010	10:40	2.00	6.32	0.18	6.14	
OU2MW-06	3/31/2010	10:11	2.00	4.43	0.32	4.11	
OU2MW-06S	3/31/2010	10:11	2.00	4.83	0.76	4.07	
OU2MW-07	3/31/2010	10:15	2.00	5.34	1.55	3.79	
OU2MW-07S	3/31/2010	10:15	2.00	5.47	1.80	3.67	
OU2MW-08WT	4/1/2010	7:05	2.00	14.93	4.67	10.26	
OU2MW-08S	4/1/2010	7:07	2.00	14.77	4.49	10.28	
OU2MW-08I	4/1/2010	7:08	2.00	14.70	4.46	10.24	
OU2MW-08I2	4/1/2010	7:09	2.00	14.78	4.51	10.27	
OU2MW-08D	4/1/2010	7:11	2.00	14.87	3.81	11.06	
OU2MW-09	3/31/2010	14:26	2.00	11.26	1.59	9.67	
OU2MW-10S	3/31/2010	9:53	2.00	5.31	0.79	4.52	
OU2MW-10I	3/31/2010	9:53	2.00	5.42	0.87	4.55	
OU2MW-10D	3/31/2010	9:53	2.00	5.43	0.93	4.50	
OU2MW-11S	3/31/2010	10:37	2.00	6.69	0.86	5.83	
OU2MW-11I	3/31/2010	10:37	2.00	6.72	0.96	5.76	
OU2MW-11I2	3/31/2010	10:36	2.00	6.53	0.78	5.75	
OU2MW-11D	3/31/2010	10:36	2.00	6.65	0.95	5.70	
OU2MW-12S	3/31/2010	10:29	2.00	5.70	0.68	5.02	
OU2MW-12I	3/31/2010	10:29	2.00	5.73	0.55	5.18	
OU2MW-12I2	3/31/2010	10:30	2.00	5.81	0.74	5.07	
OU2MW-12D	3/31/2010	10:30	2.00	5.59	0.55	5.04	
OU2MW-13S	3/31/2010	10:22	2.00	4.78	1.06	3.72	
OU2MW-13I	3/31/2010	10:21	2.00	4.81	1.11	3.70	
OU2MW-13D	3/31/2010	10:20	2.00	4.94	1.26	3.68	
OU2MW-14S	4/1/2010	7:00	1.00	14.58	4.52	10.06	
OU2MW-14I	4/1/2010	6:59	1.00	14.75	4.45	10.30	
OU2MW-14I2	4/1/2010	6:57	1.00	14.77	4.42	10.35	
OU2MW-15S	3/31/2010	9:48	2.00	4.80	0.22	4.58	
OU2MW-15I	3/31/2010	9:49	2.00	5.09	0.51	4.58	
OU2MW-15I2	3/31/2010	9:49	2.00	5.13	0.57	4.56	
OU2MW-15D	3/31/2010	9:48	2.00	5.21	0.68	4.53	
OU2MW-16S	3/31/2010	9:57	2.00	5.44	0.71	4.73	
OU2MW-16I	3/31/2010	9:57	2.00	5.31	0.68	4.63	
OU2MW-16I2	3/31/2010	9:58	2.00	5.31	0.65	4.66	
OU2MW-16D	3/31/2010	9:58	2.00	5.61	0.94	4.67	
OU2MW-39S	3/31/2010	8:48	1.00	21.22	7.34	13.88	
OU2MW-39I	3/31/2010	8:47	1.00	21.32	7.46	13.86	
OU2MW-39I2	3/31/2010	8:47	1.00	21.14	7.28	13.86	
OU2MW-39D	3/31/2010	8:46	1.00	21.18	7.33	13.85	
OU2MW-52S	3/31/2010	11:04	1.00	5.80	2.63	3.17	
OU2MW-52I	3/31/2010	11:04	1.00	5.64	2.28	3.36	
OU2MW-52D	3/31/2010	11:05	1.00	5.70	2.35	3.35	
OU2MW-53S	4/1/2010	10:14	1.00	4.98	1.86	3.12	
OU2MW-53I	4/1/2010	10:14	1.00	4.98	2.67	2.31	
OU2MW-53D	4/1/2010	10:15	1.00	5.08	-	NC	Cannot Detect DTW
OU2SW-01*	4/1/2010	10:34	NA	2.65	1.83	0.82	Boat Basin
BBSW-06*	4/1/2010	10:35	NA	2.08	1.24	0.84	Boat Basin
BBSW-07*	4/1/2010	10:38	NA	6.83	1.66	5.17	Weir

Notes:

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

MSL - Mean Sea Level

* - Surface Water Gauging Stations

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
BBMW-01S	5.0 - 15.0	NM	NM	12.33	NM	12.49	NM	12.70	13.34	13.09	12.38
BBMW-01I	32.0 - 42.0	NM	NM	12.29	NM	12.47	NM	12.69	13.32	13.07	12.35
BBMW-01D	68.5 - 78.5	NM	NM	12.33	NM	12.47	NM	12.75	14.40	13.12	12.37
BBMW-02S	5.0 - 15.0	NM	NM	11.45	11.29	11.34	NM	11.85	12.35	12.08	11.42
BBMW-02I	30.0 - 40.0	NM	NM	11.42	11.26	11.32	NM	11.83	12.33	12.07	11.41
BBMW-02D	73.0 - 83.0	NM	NM	11.40	11.24	11.30	NM	11.81	NM	12.05	11.38
BBMW-03S	3.0 - 13.0	NM	NM	7.61	7.51	7.54	NM	8.05	8.23	8.25	7.46
BBMW-03I	30.0 - 40.0	NM	NM	7.60	7.52	7.53	NM	8.03	8.24	8.24	7.48
BBMW-03D	52.0 - 62.0	NM	NM	7.62	7.52	7.58	NM	8.08	8.27	8.26	7.45
BBMW-04D	63.0 - 73.0	NM	NM	13.55	13.28	13.98	12.03	14.10	14.57	14.40	13.54
BBMW-07S	5.0 - 15.0	NM	NM	5.29	5.16	5.58	NM	5.90	6.05	5.92	5.45
BBMW-07I	30.0 - 40.0	NM	NM	5.28	5.13	5.60	NM	5.92	6.06	5.91	5.44
BBMW-07D	55.0 - 65.0	NM	NM	5.29	5.14	5.59	NM	5.92	NM	5.91	5.47
BBMW-15S	5.0 - 15.0	NM	NM	10.21	10.06	10.10	NM	10.57	10.93	10.71	10.15
BBMW-15I	35.0 - 45.0	NM	NM	10.06	10.02	10.07	NM	10.49	10.91	10.69	10.09
BBMW-15I2	23.0 - 28.0	NM	NM	10.14	9.89	9.93	NM	10.37	10.84	10.63	10.10
BBMW-15D	70.0 - 80.0	NM	NM	10.16	10.01	10.06	NM	10.49	10.87	10.67	10.10
BBMW-16S	5.0 - 15.0	NM	NM	9.40	NM	NM	NM	12.82	NM	10.07	9.53
BBMW-16I	35.0 - 45.0	NM	NM	9.43	NM	NM	NM	9.85	10.28	10.10	9.56
BBMW-16D	68.0 - 78.0	NM	NM	9.42	NM	NM	NM	9.88	10.32	10.12	9.58
BBMW-23S	5.0 - 15.0	NM	NM	NM	NM	12.58	NM	13.16	13.78	13.51	12.80
BBMW-23I	33.0 - 43.0	NM	NM	NM	NM	12.62	NM	13.15	13.78	13.50	12.79
BBMW-23D	49.5 - 59.5	NM	NM	NM	NM	12.54	NM	13.16	13.78	13.52	12.80
BBMW-23D2	63.0 - 73.0	NM	NM	NM	NM	12.80	NM	13.19	13.81	13.46	12.82
BBMW-24S	4.0 - 14.0	NM	NM	NM	NM	10.36	NM	10.83	11.36	11.17	10.49
BBMW-24I	32.0 - 42.0	NM	NM	NM	NM	10.35	NM	10.83	11.36	11.15	10.48
BBMW-24D	59.5 - 69.5	NM	NM	NM	NM	10.36	NM	10.82	11.36	11.15	10.49
BBMW-25S	4.0 - 14.0	NM	NM	NM	NM	7.33	NM	7.85	8.22	8.03	7.32
BBMW-25I	25.0 - 35.0	NM	NM	NM	NM	7.36	NM	7.87	8.25	8.04	7.35
BBMW-25D	62.0 - 72.0	NM	NM	NM	NM	7.35	NM	NM	8.22	7.98	7.28
GM-03S	6.78 - 21.78	8.95	9.13	9.34	NM	9.53	NM	9.68	10.00	10.02	9.39
GM-03I	30.03 - 45.03	8.88	8.95	9.18	NM	9.35	NM	9.51	9.84	9.83	9.22
GM-03D	53.18 - 68.18	9.07	9.16	9.27	NM	9.45	NM	9.63	9.93	9.94	9.32
GM-05S	5.1 - 20.1	2.12	2.48	2.49	2.52	3.21	NM	3.35	2.80	3.21	2.62
GM-05I	35.05 - 48.05	2.28	2.69	2.59	2.62	3.37	NM	3.50	2.99	3.36	2.72
GM-05D	60.95 - 75.95	7.35	9.04	7.87	NM	7.03	NM	7.42	7.51	7.50	6.83
GM-06S	8.97 - 23.97	2.59	2.96	3.08	2.89	3.46	NM	3.77	3.72	3.70	3.33
GM-06I	35.40 - 40.40	2.60	2.97	3.08	2.93	3.57	NM	3.86	3.73	3.77	3.54
GM-06D	60.05 - 75.05	2.71	2.96	3.07	2.92	3.49	NM	3.79	3.73	3.72	3.35
GM-07S	9.75 - 24.75	1.40	2.17	2.15	2.01	2.49	NM	2.64	2.53	2.73	2.56
GM-07I	29.6 - 44.6	1.32	2.16	2.14	2.00	2.52	NM	2.85	2.52	2.75	2.57
GM-07D	50.3 - 65.3	1.52	2.17	2.14	NM	2.54	NM	2.67	2.58	3.76	2.58
GM-08S	6.35 - 21.35	0.37	0.64	0.54	0.61	1.34	NM	1.43	0.54	1.22	0.72
GM-08I	29.95 - 44.95	0.53	0.64	0.54	0.64	1.34	NM	1.45	0.56	1.22	0.71
GM-08D	48.25 - 63.25	0.26	0.67	0.55	0.62	1.38	NM	1.47	0.56	1.26	0.73
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
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
GM-09D	48.35 - 63.35	0.02	0.47	0.45	0.41	1.24	NM	0.80	0.45	0.69	0.93
GM-10AD	unknown	NM	NM	NM	1.12	1.86	NM	1.92	1.62	1.82	1.76
GMP-01	25.0 - 30.0	NM	NM	NM	2.97	3.65	NM	3.78	3.26	3.66	3.07
GMP-02	18.0 - 23.0	NM	NM	NM	2.25	2.95	NM	3.05	2.44	2.91	2.36
GMP-04	15.5 - 20.5	NM	NM	NM	0.96	1.46	NM	1.18	0.47	1.40	1.01
MW-16AS	3.0 - 13.0	NM	NM	10.45	10.30	10.36	NM	10.82	11.21	10.99	10.44

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-04	Apr-04	Aug-04	Oct-04	Feb-05	May-05	Aug-05	Nov-05	Feb-06	May-06
BBMW-01S	5.0 - 15.0	12.67	14.11	12.10	12.51	13.16	13.03	11.91	13.41	13.36	12.95
BBMW-01I	32.0 - 42.0	12.65	14.09	12.08	12.49	13.14	13.01	11.89	13.49	13.34	12.94
BBMW-01D	68.5 - 78.5	12.68	14.14	12.11	12.51	13.16	13.07	11.92	13.50	13.36	12.96
BBMW-02S	5.0 - 15.0	NM	13.10	11.16	11.52	NM	12.06	10.99	12.45	12.36	12.00
BBMW-02I	30.0 - 40.0	NM	13.08	11.15	11.50	NM	12.03	10.96	12.43	12.32	11.95
BBMW-02D	73.0 - 83.0	NM	13.08	11.12	11.48	NM	12.01	10.93	12.41	12.31	11.95
BBMW-03S	3.0 - 13.0	7.74	9.01	7.42	7.72	8.25	8.09	7.36	8.43	8.29	8.00
BBMW-03I	30.0 - 40.0	7.73	8.97	7.41	7.72	8.24	8.09	7.75	8.82	8.29	8.00
BBMW-03D	52.0 - 62.0	7.77	8.99	7.44	7.75	8.26	8.12	7.35	8.44	8.31	8.03
BBMW-04D	63.0 - 73.0	13.96	15.48	13.38	13.84	14.51	14.39	13.18	14.96	14.67	14.31
BBMW-07S	5.0 - 15.0	NM	6.83	5.27	5.71	5.98	5.80	5.12	6.29	NM	5.75
BBMW-07I	30.0 - 40.0	NM	6.83	5.26	5.72	5.98	5.83	5.13	6.29	NM	5.76
BBMW-07D	55.0 - 65.0	NM	6.82	5.27	5.73	5.98	5.82	5.11	6.29	NM	5.77
BBMW-15S	5.0 - 15.0	10.46	11.72	9.86	10.18	10.84	10.69	9.71	11.09	10.98	10.66
BBMW-15I	35.0 - 45.0	10.45	11.71	9.84	10.16	10.81	10.67	9.66	11.03	10.91	10.61
BBMW-15I2	23.0 - 28.0	10.39	11.66	9.81	10.16	10.80	10.60	9.66	11.05	10.93	10.62
BBMW-15D	70.0 - 80.0	10.40	11.76	9.82	10.15	10.80	10.63	9.66	11.04	10.92	10.62
BBMW-16S	5.0 - 15.0	9.67	10.79	9.28	9.73	10.15	10.05	9.04	10.45	10.30	10.00
BBMW-16I	35.0 - 45.0	9.70	10.82	9.32	9.76	10.15	10.08	9.05	10.47	10.33	10.02
BBMW-16D	68.0 - 78.0	9.73	10.86	9.31	9.75	10.18	10.06	9.03	10.46	10.32	10.01
BBMW-23S	5.0 - 15.0	13.09	14.55	12.51	12.93	NM	13.46	12.32	14.00	13.78	13.37
BBMW-23I	33.0 - 43.0	13.08	14.55	12.50	12.93	NM	13.46	12.31	13.92	13.79	13.38
BBMW-23D	49.5 - 59.5	13.10	14.55	12.53	12.94	NM	13.47	12.32	13.95	13.79	13.39
BBMW-23D2	63.0 - 73.0	13.10	14.57	12.52	12.96	NM	13.47	12.32	13.93	13.78	13.38
BBMW-24S	4.0 - 14.0	10.74	12.15	10.23	10.61	11.20	11.09	10.04	11.53	11.39	11.02
BBMW-24I	32.0 - 42.0	10.74	12.15	10.22	10.60	11.20	11.09	10.02	11.51	11.37	10.99
BBMW-24D	59.5 - 69.5	10.75	12.16	10.24	10.61	11.19	11.09	10.03	11.52	11.38	11.03
BBMW-25S	4.0 - 14.0	7.60	8.98	7.23	7.62	8.13	8.01	7.64	8.99	8.84	8.49
BBMW-25I	25.0 - 35.0	7.63	8.99	7.25	7.64	8.16	8.02	7.66	8.99	8.84	8.49
BBMW-25D	62.0 - 72.0	7.56	8.92	7.18	7.55	8.08	7.97	NM	8.99	NM	8.49
GM-03S	6.78 - 21.78	9.59	10.83	9.14	9.53	NM	9.96	8.94	10.42	10.26	9.90
GM-03I	30.03 - 45.03	9.42	10.67	8.97	9.36	NM	9.80	8.76	10.24	10.09	9.73
GM-03D	53.18 - 68.18	9.53	10.77	9.07	9.46	NM	9.95	8.86	10.34	10.19	9.83
GM-05S	5.1 - 20.1	2.49	3.74	2.68	3.36	3.31	2.91	2.65	3.34	3.01	3.00
GM-05I	35.05 - 48.05	2.64	3.90	2.81	3.49	3.42	3.03	2.76	3.49	3.15	3.13
GM-05D	60.95 - 75.95	7.18	NM	8.97	7.58	7.72	7.50	6.56	7.87	7.81	8.23
GM-06S	8.97 - 23.97	2.90	4.58	3.14	3.69	3.73	3.52	3.06	4.10	3.69	3.50
GM-06I	35.40 - 40.40	3.47	4.59	3.16	3.70	3.74	3.57	3.08	4.10	3.70	3.52
GM-06D	60.05 - 75.05	2.91	4.58	3.15	3.70	3.74	3.54	3.07	4.11	3.70	3.52
GM-07S	9.75 - 24.75	2.01	3.34	2.34	3.01	2.80	2.58	2.36	3.04	2.63	2.64
GM-07I	29.6 - 44.6	2.06	3.35	2.32	3.00	2.79	2.63	2.34	3.03	2.62	2.64
GM-07D	50.3 - 65.3	2.04	3.36	2.33	3.02	2.81	2.63	2.34	3.44	2.62	2.65
GM-08S	6.35 - 21.35	0.62	1.41	1.08	1.74	1.46	0.83	0.89	1.35	0.95	1.04
GM-08I	29.95 - 44.95	0.63	1.11	1.09	1.76	1.46	0.86	0.91	1.35	0.96	1.04
GM-08D	48.25 - 63.25	0.65	1.48	1.14	1.77	1.48	0.88	0.93	1.39	0.96	1.03
GM-09S	20.0 - 25.0	0.26	1.15	0.66	1.41	1.17	0.74	0.65	0.94	0.62	0.79
GM-09I	40.0 - 45.0	0.26	1.17	0.67	1.43	1.17	0.74	0.65	0.95	0.63	0.80
GM-09D	48.35 - 63.35	0.31	1.16	0.67	1.41	1.17	0.75	0.65	0.96	0.64	0.79
GM-10AD	unknown	1.08	2.43	1.51	2.20	1.92	1.41	1.57	2.08	1.67	1.72
GMP-01	25.0 - 30.0	3.04	4.18	3.15	3.78	3.73	3.35	3.08	3.77	3.47	3.44
GMP-02	18.0 - 23.0	2.24	3.37	2.40	3.15	3.04	2.58	2.41	3.03	2.69	2.70
GMP-04	15.5 - 20.5	1.11	1.17	0.93	2.11	1.72	1.02	1.37	1.73	1.19	1.23
MW-16AS	3.0 - 13.0	NM	12.00	10.10	10.44	11.10	10.96	9.93	11.34	11.23	10.92

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)									
		July/Aug-06	Nov-06	Jan-07	May-07	July/Aug-07	Oct/Nov-07	Jan-08	Apr/May-08	Aug-08	Nov-08
BBMW-01S	5.0 - 15.0	12.64	14.10	13.03	13.36	12.63	11.91	12.78	13.27	12.22	12.92
BBMW-01I	32.0 - 42.0	12.63	13.09	13.01	13.34	12.62	11.90	12.77	13.25	12.21	12.91
BBMW-01D	68.5 - 78.5	12.64	13.10	13.02	13.38	12.64	11.91	12.79	13.29	12.24	12.94
BBMW-02S	5.0 - 15.0	11.62	12.12	12.07	12.35	11.56	11.00	11.85	12.23	11.23	11.92
BBMW-02I	30.0 - 40.0	11.59	12.08	12.02	12.35	11.55	11.00	11.85	12.24	11.24	11.92
BBMW-02D	73.0 - 83.0	11.58	12.06	12.02	12.33	11.54	10.98	11.84	12.22	11.21	11.90
BBMW-03S	3.0 - 13.0	7.65	8.19	8.02	8.27	7.71	7.36	7.92	8.21	7.43	8.00
BBMW-03I	30.0 - 40.0	7.64	7.99	8.01	8.28	7.71	7.37	7.89	8.22	7.43	8.02
BBMW-03D	52.0 - 62.0	NM	8.14	8.05	8.32	7.74	7.38	7.92	8.23	7.43	8.03
BBMW-04D	63.0 - 73.0	14.01	14.48	14.39	NM	NM	13.28	14.20	14.78	10.72	14.37
BBMW-07S	5.0 - 15.0	5.52	5.89	5.63	NM	NM	4.18	5.63	5.97	5.43	5.76
BBMW-07I	30.0 - 40.0	5.53	5.91	5.63	NM	NM	5.16	5.57	5.96	5.43	5.77
BBMW-07D	55.0 - 65.0	5.51	5.94	5.64	NM	NM	5.15	5.62	5.98	5.45	5.76
BBMW-15S	5.0 - 15.0	10.23	10.75	10.71	11.01	10.26	9.81	10.57	10.91	9.93	10.63
BBMW-15I	35.0 - 45.0	10.18	10.73	10.66	10.98	10.27	9.78	10.54	10.85	9.90	10.55
BBMW-15I2	23.0 - 28.0	10.21	10.73	10.67	10.98	10.19	9.77	10.60	10.87	9.90	10.60
BBMW-15D	70.0 - 80.0	10.19	10.71	10.67	10.96	10.22	9.77	10.54	10.86	9.89	10.57
BBMW-16S	5.0 - 15.0	14.62	10.10	10.02	10.28	9.56	9.14	9.80	10.14	9.29	9.87
BBMW-16I	35.0 - 45.0	9.63	10.14	10.06	10.32	9.58	9.16	9.77	10.18	9.31	9.89
BBMW-16D	68.0 - 78.0	9.62	10.12	10.06	10.32	9.56	9.15	9.82	10.23	9.36	9.94
BBMW-23S	5.0 - 15.0	13.06	13.52	13.48	13.76	10.35	12.31	13.19	13.67	12.62	13.34
BBMW-23I	33.0 - 43.0	13.07	13.51	13.47	13.76	10.48	12.31	13.19	13.68	12.62	13.33
BBMW-23D	49.5 - 59.5	13.08	13.53	13.49	13.81	10.29	12.28	13.19	13.71	12.65	13.36
BBMW-23D2	63.0 - 73.0	13.07	13.52	13.48	13.76	10.31	12.31	13.16	13.68	12.62	13.36
BBMW-24S	4.0 - 14.0	10.67	11.09	11.06	11.41	9.41	10.12	10.86	11.32	10.37	11.27
BBMW-24I	32.0 - 42.0	10.66	11.07	11.04	11.43	9.44	10.11	10.82	11.30	10.36	11.09
BBMW-24D	59.5 - 69.5	10.67	11.10	11.07	11.43	9.44	10.13	10.88	11.31	10.35	11.04
BBMW-25S	4.0 - 14.0	NM	8.55	8.53	8.84	NM	7.78	8.37	8.77	NC	8.43
BBMW-25I	25.0 - 35.0	NM	8.55	8.55	8.86	NM	NC	NC	NC	NC	8.40
BBMW-25D	62.0 - 72.0	NM	8.55	8.52	8.83	NM	7.76	8.46	8.75	NC	8.45
GM-03S	6.78 - 21.78	9.53	9.97	9.92	10.18	9.44	8.97	9.64	10.08	9.15	NC
GM-03I	30.03 - 45.03	9.36	9.80	9.75	10.17	9.43	8.98	9.64	10.06	9.13	NC
GM-03D	53.18 - 68.18	9.47	9.90	9.86	10.19	9.46	8.97	9.67	10.08	9.16	NC
GM-05S	5.1 - 20.1	2.85	3.06	2.82	3.08	2.94	2.59	2.98	3.20	2.88	2.89
GM-05I	35.05 - 48.05	2.97	3.18	2.96	3.21	3.08	2.71	3.22	3.39	3.02	3.08
GM-05D	60.95 - 75.95	8.72	7.61	7.59	7.76	6.96	6.83	7.54	NC	NC	7.66
GM-06S	8.97 - 23.97	3.48	3.79	3.29	3.73	3.44	3.07	3.39	3.71	3.35	3.58
GM-06I	35.40 - 40.40	3.48	3.80	3.30	3.75	3.45	3.08	3.39	3.72	3.36	3.60
GM-06D	60.05 - 75.05	3.48	3.79	3.30	3.74	3.45	3.08	3.38	3.70	3.37	3.59
GM-07S	9.75 - 24.75	2.60	2.88	2.42	2.71	2.62	2.30	2.54	2.73	2.57	2.57
GM-07I	29.6 - 44.6	2.59	2.87	2.41	2.69	2.60	2.30	2.50	2.72	2.56	2.56
GM-07D	50.3 - 65.3	2.61	2.87	2.43	2.70	2.61	2.31	2.55	2.72	2.57	2.57
GM-08S	6.35 - 21.35	1.01	1.06	0.79	0.96	1.02	0.72	1.08	1.13	0.99	0.79
GM-08I	29.95 - 44.95	1.02	1.06	0.79	0.97	1.02	0.73	1.04	1.13	1.00	0.79
GM-08D	48.25 - 63.25	1.02	1.06	0.79	0.96	1.02	0.62	1.09	1.13	1.00	0.79
GM-09S	20.0 - 25.0	0.81	0.88	0.58	0.75	0.95	0.72	0.96	0.89	0.92	0.68
GM-09I	40.0 - 45.0	0.83	0.89	0.60	0.76	0.96	0.73	0.92	0.90	0.92	0.70
GM-09D	48.35 - 63.35	0.82	0.89	0.59	0.76	0.96	0.72	0.95	0.90	0.93	0.70
GM-10AD	unknown	1.74	NM	1.43	1.76	1.80	1.50	1.70	1.83	1.75	1.66
GMP-01	25.0 - 30.0	3.28	3.47	3.33	3.50	3.33	3.00	3.43	3.66	3.27	3.30
GMP-02	18.0 - 23.0	2.57	2.73	2.59	2.74	2.55	2.30	2.72	2.89	2.58	2.55
GMP-04	15.5 - 20.5	1.42	1.09	1.51	1.06	1.63	1.41	1.28	1.00	1.65	1.09
MW-16AS	3.0 - 13.0	10.48	11.02	10.98	11.27	10.47	10.11	10.92	11.16	10.22	10.92

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-09	May-09	Jul-09	Oct-09	Jan-10	Apr-10	Minimum	Average	Maximum
BBMW-01S	5.0 - 15.0	12.88	13.10	13.11	12.29	13.41	14.73	11.91	12.94	14.73
BBMW-01I	32.0 - 42.0	12.88	13.07	13.11	12.30	13.43	14.74	11.89	12.89	14.74
BBMW-01D	68.5 - 78.5	12.91	13.08	13.15	12.34	13.43	14.74	11.91	12.95	14.74
BBMW-02S	5.0 - 15.0	11.57	12.08	12.09	11.27	12.39	13.60	10.99	11.88	13.60
BBMW-02I	30.0 - 40.0	11.88	12.08	12.10	11.26	12.39	13.59	10.96	11.88	13.59
BBMW-02D	73.0 - 83.0	11.87	12.07	12.07	11.22	12.34	13.60	10.93	11.84	13.60
BBMW-03S	3.0 - 13.0	7.89	8.09	8.10	7.43	8.28	9.68	7.36	7.98	9.68
BBMW-03I	30.0 - 40.0	7.86	8.09	8.10	7.47	8.28	9.68	7.37	7.99	9.68
BBMW-03D	52.0 - 62.0	7.90	8.09	8.11	7.45	8.29	9.70	7.35	8.00	9.70
BBMW-04D	63.0 - 73.0	14.39	14.59	14.57	13.15	14.74	16.04	10.72	14.06	16.04
BBMW-07S	5.0 - 15.0	5.46	5.76	5.98	5.39	6.05	7.77	4.18	5.74	7.77
BBMW-07I	30.0 - 40.0	5.46	5.86	5.96	5.38	6.03	7.76	5.13	5.78	7.76
BBMW-07D	55.0 - 65.0	5.46	5.75	5.96	5.37	6.03	7.73	5.11	5.77	7.73
BBMW-15S	5.0 - 15.0	10.57	10.75	10.76	9.92	11.42	12.16	9.71	10.59	12.16
BBMW-15I	35.0 - 45.0	10.55	10.72	10.75	9.92	11.02	12.13	9.66	10.54	12.13
BBMW-15I2	23.0 - 28.0	10.49	10.68	10.70	9.86	10.99	12.09	9.66	10.51	12.09
BBMW-15D	70.0 - 80.0	10.51	10.67	10.73	9.87	11.00	12.11	9.66	10.53	12.11
BBMW-16S	5.0 - 15.0	9.85	10.09	10.14	9.46	10.19	11.39	9.04	10.17	14.62
BBMW-16I	35.0 - 45.0	9.89	10.09	15.14	9.45	10.38	11.45	9.05	10.11	15.14
BBMW-16D	68.0 - 78.0	9.92	10.53	10.19	9.48	10.42	11.48	9.03	9.98	11.48
BBMW-23S	5.0 - 15.0	13.25	13.37	13.49	12.67	13.75	15.14	10.35	13.23	15.14
BBMW-23I	33.0 - 43.0	13.24	13.46	13.49	12.61	13.73	15.09	10.48	13.23	15.09
BBMW-23D	49.5 - 59.5	13.26	13.86	13.51	12.69	13.76	15.13	10.29	13.25	15.13
BBMW-23D2	63.0 - 73.0	13.27	13.16	13.48	12.66	13.80	15.13	10.31	13.23	15.13
BBMW-24S	4.0 - 14.0	11.16	11.10	11.43	10.50	11.71	12.89	9.41	10.99	12.89
BBMW-24I	32.0 - 42.0	10.97	11.21	11.24	10.40	11.46	12.70	9.44	10.95	12.70
BBMW-24D	59.5 - 69.5	10.90	11.26	11.15	10.31	11.46	12.63	9.44	10.95	12.63
BBMW-25S	4.0 - 14.0	8.30	8.60	NC	NC	8.75	10.40	7.23	8.29	10.40
BBMW-25I	25.0 - 35.0	8.32	8.57	NC	NC	8.79	10.37	7.25	8.30	10.37
BBMW-25D	62.0 - 72.0	8.36	8.56	NC	NC	8.90	10.35	7.18	8.31	10.35
GM-03S	6.78 - 21.78	NC	NC	NC	NC	NC	NC	8.94	9.67	10.83
GM-03I	30.03 - 45.03	NC	NC	NC	NC	NC	NC	8.76	9.54	10.67
GM-03D	53.18 - 68.18	NC	NC	NC	NC	NC	NC	8.86	9.64	10.77
GM-05S	5.1 - 20.1	2.64	3.04	3.12	2.80	3.03	4.57	2.12	2.97	4.57
GM-05I	35.05 - 48.05	2.83	3.17	3.33	3.06	3.27	4.82	2.28	3.12	4.82
GM-05D	60.95 - 75.95	7.66	7.66	7.87	7.10	7.87	7.87	6.56	7.63	9.04
GM-06S	8.97 - 23.97	3.14	3.64	3.77	3.31	3.82	5.56	2.59	3.53	5.56
GM-06I	35.40 - 40.40	3.16	3.65	3.75	3.31	3.85	5.57	2.60	3.57	5.57
GM-06D	60.05 - 75.05	3.17	3.67	3.75	3.32	3.82	5.57	2.71	3.54	5.57
GM-07S	9.75 - 24.75	2.20	2.70	2.86	2.46	2.81	4.41	1.40	2.59	4.41
GM-07I	29.6 - 44.6	2.20	2.68	2.83	2.42	2.79	4.39	1.32	2.59	4.39
GM-07D	50.3 - 65.3	2.20	2.70	2.83	2.38	2.77	4.36	1.52	2.66	4.36
GM-08S	6.35 - 21.35	0.57	1.21	1.48	1.02	1.16	2.81	0.37	1.05	2.81
GM-08I	29.95 - 44.95	0.58	1.22	1.16	1.04	1.17	2.81	0.53	1.04	2.81
GM-08D	48.25 - 63.25	0.58	1.21	1.20	0.86	1.20	2.80	0.26	1.04	2.80
GM-09S	20.0 - 25.0	0.34	1.08	0.90	0.78	0.76	1.63	0.26	0.68	1.63
GM-09I	40.0 - 45.0	0.34	1.07	0.90	0.88	0.74	1.73	0.26	0.69	1.73
GM-09D	48.35 - 63.35	0.36	1.07	0.91	0.78	0.77	1.73	0.02	0.79	1.73
GM-10AD	unknown	1.22	1.79	1.94	1.61	1.82	3.43	1.08	1.76	3.43
GMP-01	25.0 - 30.0	3.06	NC	3.57	3.17	3.48	5.4	2.97	3.47	5.40
GMP-02	18.0 - 23.0	2.31	2.74	2.83	2.77	2.79	4.76	2.24	2.75	4.76
GMP-04	15.5 - 20.5	0.70	1.39	1.29	1.01	1.50	2.80	0.47	1.31	2.80
MW-16AS	3.0 - 13.0	10.88	11.22	11.05	10.31	11.37	12.48	9.93	10.86	12.48

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	3/31/2010	11:29	2.00	21.93	5.15	16.78	
BBMW-09I	3/31/2010	11:31	2.00	22.01	5.24	16.77	
BBMW-09D	3/31/2010	11:32	2.00	22.43	5.67	16.76	
BBMW-28S	3/31/2010	9:11	2.00	16.43	1.10	15.33	
BBMW-28I	3/31/2010	9:13	2.00	16.43	1.11	15.32	
BBMW-29	3/31/2010	13:45	0.50	15.82	2.31	13.51	
BBMW-30S	3/31/2010	10:01	2.00	16.02	0.92	15.10	
BBMW-30I	3/31/2010	10:02	2.00	15.69	0.56	15.13	
BBMW-30D	3/31/2010	10:03	2.00	16.53	1.42	15.11	
BBMW-31S	3/31/2010	13:35	2.00	13.49	1.22	12.27	
BBMW-31I	3/31/2010	13:36	2.00	13.33	1.13	12.20	
BBMW-31D	3/31/2010	13:37	2.00	13.37	1.16	12.21	
BBMW-32S	3/31/2010	9:49	2.00	14.44	0.82	13.62	
BBMW-32I	3/31/2010	9:49	2.00	15.50	0.84	14.66	
BBMW-32D	3/31/2010	9:50	2.00	14.54	0.91	13.63	
BBMW-33	3/31/2010	9:41	2.00	16.58	1.65	14.93	
GM-02AS	3/31/2010	13:26	1.25	20.79	8.58	12.21	
GM-02AI	3/31/2010	13:27	1.25	20.75	8.53	12.22	
GM-02AD	3/31/2010	13:28	1.25	20.74	8.30	12.44	
MW-01S	3/31/2010	15:25	4.00	19.34	1.35	17.99	
MW-01D	3/31/2010	15:26	4.00	19.48	1.45	18.03	
MW-02S/SR	-	-	2.00	21.67	-	NC	Abandoned
MW-02I/R	-	-	2.00	21.37	-	NC	Abandoned
MW-03	3/31/2010	11:45	4.00	19.30	1.72	17.58	
MW-04	-	-	4.00	19.16	-	NC	
MW-16S/SR	-	-	2.00	21.80	-	NC	Abandoned
MW-16I	-	-	2.00	21.77	-	NC	Abandoned
MW-29S	3/31/2010	15:13	2.00	18.34	0.91	17.43	
MW-29D	3/31/2010	15:14	2.00	18.44	1.00	17.44	
MW-30WR	3/31/2010	10:33	2.00	14.83	0.68	14.15	
MW-32W/WR	4/1/2010	-	0.50	14.65	-	NC	Well Flooded-Cannot Measure
MW-34S	3/31/2010	9:25	0.75	15.69	0.60	15.09	
MW-34I	3/31/2010	9:23	0.75	15.73	0.67	15.06	
MW-34D	3/31/2010	9:24	1.00	15.58	0.51	15.07	
MW-45W	3/31/2010	10:17	0.75	15.20	0.04	15.16	
MW-64	3/31/2010	8:59	2.00	16.10	0.35	15.75	
MW-65	-	-	2.00	15.62	-	NC	Well Flooded-Cannot Measure
MWBS-02S	-	-	1.00	13.58	-	NC	Well Flooded-Cannot Measure
MWBS-02I	-	-	0.75	13.46	-	NC	Well Flooded-Cannot Measure
MWBS-02D	-	-	0.75	13.54	-	NC	Well Flooded-Cannot Measure
OU3MW-01S	3/31/2010	11:10	2.00	15.56	0.28	15.28	
OU3MW-02S	3/31/2010	10:12	2.00	15.16	0.11	15.05	
OU3MW-02I	3/31/2010	10:13	2.00	15.14	0.09	15.05	
OU3MW-04S	3/31/2010	11:00	2.00	14.80	0.38	14.42	
OU3MW-04I	3/31/2010	11:01	2.00	14.76	0.37	14.39	
OU3MW-04D	3/31/2010	11:02	2.00	14.84	0.46	14.38	
BBSW-13*	3/31/2010	13:22	-	13.07	2.33	10.74	Cooper Lane near unnamed pond

Notes:

- 1 - Well Elevations obtained from 2007 survey or later and reference NAVD88 datum
- MSL - Mean Sea Level
- NC - Not Calculated
- * - 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
BBMW-09S	5.0 - 15.0	NM	NM	NM	NM	NM	NM	14.17	NM	NM	NM
BBMW-09I	30.0 - 40.0	NM	NM	NM	NM	NM	NM	14.17	NM	NM	NM
BBMW-09D	62.0 - 72.0	NM	NM	NM	NM	NM	NM	14.08	NM	NM	NM
BBMW-28S	2.0 - 12.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-28I	10.0 - 20.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-29	2.0 - 9.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-30S	2.0 - 10.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-30I	14.0 -19.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-30D	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-31S	2.0 - 10.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-31I	14.0 -19.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-31D	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-32S	2.0 - 10.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-32I	14.0 -19.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-32D	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-33	7.0 - 12.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
GM-02AS	8.91 - 23.91	10.17	10.19	NM	NM	NM	NM	10.43	NM	NM	NM
GM-02AI	35.24 - 50.24	10.12	10.21	NM	NM	NM	NM	10.46	NM	NM	NM
GM-02AD	59.8 - 74.8	10.38	10.42	NM	NM	NM	NM	10.63	NM	NM	NM
MW-01S	4.0 - 14.0	NM	NM	14.88	NM	NM	NM	NM	15.39	NM	NM
MW-01D	35.0 - 45.0	NM	NM	14.74	NM	NM	NM	NM	15.57	NM	NM
MW-02S/SR	2.0 -12.0	NM	14.67	NM	14.35	16.41	15.77	15.15	15.47	14.42	13.70
MW-02I/R	22.5 - 23.5	NM	NM	NM	22.5	15.10	16.74	NM	15.46	NM	NM
MW-03	4.94 - 14.94	NM	NM	15.19	14.34	16.2	15.65	14.8	NM	NM	NM
MW-04	5.1 - 15.1	NM	NM	NM	14.09	NM	15.38	14.59	NM	NM	NM
MW-16S/SR	2.0 - 10.0	NM	NM	NM	NM	15.32	14.8	13.88	14.34	13.66	13.25
MW-16I	14.0 - 19.0	NM	NM	NM	NM	15.66	15.11	14.22	NM	NM	NM
MW-29S	5.0 - 10.0	NM	NM	NM	NM	NM	NM	15.12	NM	NM	NM
MW-29D	14.0 - 19.0	NM	NM	NM	NM	16.52	NM	15.11	NM	NM	NM
MW-30W	2.0 - 10.0	NM	NM	15.20	14.57	15.89	15.37	NM	NM	NM	NM
MW-30WR	2.0 - 10.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-32W/WR	2.0 - 10.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-34S	2.0 - 10.0	NM	NM	13.42	12.76	14.2	13.64	NM	NM	NM	NM
MW-34I	18.5 - 19.5	NM	NM	NM	12.77	14.17	13.66	13.12	NM	NM	NM
MW-34D	27.5 - 28.5	NM	NM	NM	12.78	14.64	13.68	13.12	NM	NM	NM
MW-45W	2.0 - 10.0	NM	NM	13.55	12.85	14.34	13.82	NM	NM	NM	NM
MW-64	19.0 - 24.0	NM	NM	NM	NM	15.4	14.85	13.94	NM	NM	NM
MW-65	11.0 - 16.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWBS-02S	5.0 - 15.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWBS-02I	14.5 - 15.5	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWBS-02D	24.5 - 25.5	NM	NM	NM	10.39	11.57	11.32	11.00	NM	NM	NM
OU3MW-01S	3.0 - 13.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
OU3MW-02S	3.0 - 13.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
OU3MW-02I	15.0 - 20.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
OU3MW-04S	1.5 - 11.5	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
OU3MW-04I	16.0 - 21.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
OU3MW-04D	26.0 - 31.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM

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

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)									
		Jun-02	Aug-02	Nov-02	Mar-03	Jul-03	Sep-03	Oct-03	Jan-04	Apr-04	Aug-04
BBMW-09S	5.0 - 15.0	14.84	12.61	14.85	15.27	15.28	14.22	NM	14.65	15.41	14.05
BBMW-09I	30.0 - 40.0	14.82	12.60	14.84	15.27	15.25	14.22	NM	14.64	15.39	14.04
BBMW-09D	62.0 - 72.0	14.78	12.61	14.81	15.25	15.28	14.22	NM	14.63	16.37	14.04
BBMW-28S	2.0 - 12.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-28I	10.0 - 20.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-29	2.0 - 9.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-30S	2.0 - 10.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-30I	14.0 - 19.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-30D	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-31S	2.0 - 10.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-31I	14.0 - 19.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-31D	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-32S	2.0 - 10.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-32I	14.0 - 19.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-32D	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-33	7.0 - 12.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
GM-02AS	8.91 - 23.91	10.33	NM	NM	11.03	11.03	10.23	NM	10.69	11.86	10.08
GM-02AI	35.24 - 50.24	10.35	NM	NM	NM	NM	10.24	NM	10.74	11.87	10.10
GM-02AD	59.8 - 74.8	10.44	NM	NM	11.32	11.22	10.42	NM	10.97	12.03	10.25
MW-01S	4.0 - 14.0	NM	NM	13.64	15.89	16.59	16.54	15.93	NM	15.93	17.36
MW-01D	35.0 - 45.0	NM	NM	13.66	15.88	16.61	16.58	15.64	NM	15.95	17.38
MW-02S/SR	2.0 - 12.0	15.47	13.02	NM	NM	NM	NM	14.79	14.93	16.47	NM
MW-02I/R	22.5 - 23.5	20.02	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-03	4.94 - 14.94	13.53	13.18	15.32	15.98	16.00	15.02	NM	15.31	16.77	14.67
MW-04	5.1 - 15.1	14.85	12.98	16.28	19.16	15.84	14.89	NM	NM	16.61	14.57
MW-16S/SR	2.0 - 10.0	14.98	12.35	15.04	15.50	15.40	14.35	NM	14.79	16.47	NM
MW-16I	14.0 - 19.0	14.92	12.7	14.89	15.32	15.29	14.28	NM	14.71	16.08	NM
MW-29S	5.0 - 10.0	NM	13.55	15.69	16.30	16.24	15.35	NM	15.64	17.84	15.09
MW-29D	14.0 - 19.0	NM	13.53	15.68	16.34	NM	15.34	NM	15.65	17.03	15.08
MW-30W	2.0 - 10.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-30WR	2.0 - 10.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-32W/WR	2.0 - 10.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-34S	2.0 - 10.0	NM	NM	NM	14.13	14.07	13.01	NM	13.52	14.8	12.97
MW-34I	18.5 - 19.5	13.05	NM	NM	14.08	14.02	12.98	NM	13.48	14.76	12.92
MW-34D	27.5 - 28.5	13.07	NM	NM	14.07	14.03	12.98	NM	13.47	14.8	12.93
MW-45W	2.0 - 10.0	NM	NM	NM	NM	NM	13.32	NM	13.71	14.87	13.20
MW-64	19.0 - 24.0	NM	NM	NM	NM	NM	13.95	NM	14.87	15.77	13.85
MW-65	11.0 - 16.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWBS-02S	5.0 - 15.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	10.77
MWBS-02I	14.5 - 15.5	NM	NM	NM	NM	NM	NM	NM	NM	NM	10.69
MWBS-02D	24.5 - 25.5	11.30	NM	NM	NM	NM	NM	NM	NM	NM	10.69
OU3MW-01S	3.0 - 13.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
OU3MW-02S	3.0 - 13.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
OU3MW-02I	15.0 - 20.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
OU3MW-04S	1.5 - 11.5	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
OU3MW-04I	16.0 - 21.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
OU3MW-04D	26.0 - 31.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM

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

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)									
		Oct-04	Feb-05	May-05	Aug-05	Nov-05	Feb-06	May-06	July/Aug-06	Nov-06	Jan-07
BBMW-09S	5.0 - 15.0	14.48	15.17	14.99	13.79	15.55	15.43	14.93	14.63	15.09	15.02
BBMW-09I	30.0 - 40.0	14.47	15.16	14.97	13.80	15.54	15.42	14.92	14.63	15.10	15.02
BBMW-09D	62.0 - 72.0	14.48	15.16	14.99	13.80	15.52	15.42	14.93	14.63	15.11	15.01
BBMW-28S	2.0 - 12.0	NM	14.31	14.05	12.96	14.45	14.35	13.97	13.65	14.11	14.07
BBMW-28I	10.0 - 20.0	NM	14.28	14.04	12.94	14.45	14.34	13.96	13.63	14.09	14.06
BBMW-29	2.0 - 9.0	NM	12.41	12.22	11.28	12.53	12.46	12.17	11.80	12.28	12.25
BBMW-30S	2.0 - 10.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-30I	14.0 -19.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-30D	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-31S	2.0 - 10.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-31I	14.0 -19.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-31D	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-32S	2.0 - 10.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-32I	14.0 -19.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-32D	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-33	7.0 - 12.0	NM	NM	NM	NM	NM	NM	NM	13.22	13.72	13.59
GM-02AS	8.91 - 23.91	10.35	10.94	10.90	9.94	11.24	11.09	10.83	10.38	10.93	10.94
GM-02AI	35.24 - 50.24	10.37	10.96	10.92	9.96	11.26	11.11	10.85	10.40	10.96	10.94
GM-02AD	59.8 - 74.8	10.59	11.17	11.11	10.06	11.47	11.36	11.05	10.52	11.16	11.20
MW-01S	4.0 - 14.0	15.33	15.77	16.47	16.38	15.08	16.95	16.77	16.28	16.01	16.39
MW-01D	35.0 - 45.0	15.37	15.80	16.46	16.40	15.21	16.87	16.79	16.30	16.07	16.40
MW-02S/SR	2.0 -12.0	14.58	15.29	15.09	NM	NM	NM	NM	14.77	15.23	15.13
MW-02I/R	22.5 - 23.5	14.11	NM	NM	NM	NM	NM	NM	NM	NC	NC
MW-03	4.94 - 14.94	15.18	15.85	15.73	14.49	16.28	16.15	15.65	15.38	15.79	15.74
MW-04	5.1 - 15.1	15.19	15.55	15.55	14.34	16.13	15.90	15.45	15.19	15.56	15.52
MW-16S/SR	2.0 - 10.0	14.14	14.96	15.15	13.52	15.70	15.6	15.01	14.75	15.29	15.11
MW-16I	14.0 - 19.0	14.64	15.25	15.13	NM	15.56	15.46	14.98	14.7	15.15	15.07
MW-29S	5.0 - 10.0	15.48	16.17	16.02	14.84	16.53	16.39	15.91	15.69	16.07	16.00
MW-29D	14.0 - 19.0	15.48	16.15	16.01	14.83	16.52	16.38	15.91	15.68	16.06	16.00
MW-30W	2.0 - 10.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-30WR	2.0 - 10.0	NM	15.30	15.09	14.17	15.40	15.34	15.03	14.69	15.13	15.10
MW-32W/WR	2.0 - 10.0	NM	13.57	13.36	12.36	13.72	13.6	13.26	12.96	13.41	13.32
MW-34S	2.0 - 10.0	13.28	14.00	13.73	12.73	14.12	14.03	13.59	13.35	13.81	13.75
MW-34I	18.5 - 19.5	13.25	13.97	13.72	12.74	14.12	14.01	13.65	13.35	13.80	13.75
MW-34D	27.5 - 28.5	13.26	13.97	13.72	12.75	14.13	14.01	13.66	13.35	14.30	13.76
MW-45W	2.0 - 10.0	13.40	14.13	13.97	12.85	14.26	14.15	13.78	13.49	13.97	13.88
MW-64	19.0 - 24.0	14.21	NM	14.73	13.58	15.09	15.07	14.61	14.24	14.75	14.72
MW-65	11.0 - 16.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWBS-02S	5.0 - 15.0	10.97	11.58	11.44	10.59	11.70	11.6	11.38	10.93	11.46	11.47
MWBS-02I	14.5 - 15.5	10.91	11.57	11.42	10.55	11.66	11.6	11.39	10.94	11.45	11.45
MWBS-02D	24.5 - 25.5	10.95	11.45	11.44	10.61	11.73	11.6	11.39	10.88	11.47	11.47
OU3MW-01S	3.0 - 13.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
OU3MW-02S	3.0 - 13.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
OU3MW-02I	15.0 - 20.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
OU3MW-04S	1.5 - 11.5	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
OU3MW-04I	16.0 - 21.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
OU3MW-04D	26.0 - 31.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM

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

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)								
		May-07	July/Aug-07	Oct/Nov-07	Jan-08	Apr-08	Aug-08	Nov-08	Jan-09	May-09
BBMW-09S	5.0 - 15.0	15.44	14.67	13.75	14.72	15.29	14.12	14.82	14.86	15.22
BBMW-09I	30.0 - 40.0	15.44	14.69	13.76	14.72	15.30	14.11	14.81	14.90	15.23
BBMW-09D	62.0 - 72.0	15.45	14.65	13.74	14.72	15.30	14.12	14.83	14.88	15.24
BBMW-28S	2.0 - 12.0	14.36	13.72	12.89	13.74	14.28	13.23	13.94	13.92	14.30
BBMW-28I	10.0 - 20.0	14.34	13.71	12.88	13.73	14.29	13.22	13.94	13.90	14.29
BBMW-29	2.0 - 9.0	12.53	11.87	11.30	12.03	12.45	11.54	12.21	12.16	12.48
BBMW-30S	2.0 - 10.0	NM	13.68	12.93	13.71	14.22	13.21	13.90	13.87	14.27
BBMW-30I	14.0 -19.0	NM	13.70	12.92	13.67	14.24	13.21	13.91	13.86	14.25
BBMW-30D	30.0 - 35.0	NM	13.67	12.91	13.64	14.20	13.16	13.88	13.83	14.22
BBMW-31S	2.0 - 10.0	NM	10.76	10.51	11.13	11.40	10.46	11.23	11.20	11.48
BBMW-31I	14.0 -19.0	NM	10.77	10.52	11.12	11.40	10.45	11.22	11.18	11.38
BBMW-31D	30.0 - 35.0	NM	10.77	10.52	11.12	11.42	10.46	11.23	11.19	11.38
BBMW-32S	2.0 - 10.0	NM	12.15	11.58	12.29	12.72	11.75	12.45	12.43	12.74
BBMW-32I	14.0 -19.0	NM	13.16	12.59	13.30	13.72	12.74	13.45	13.42	13.74
BBMW-32D	30.0 - 35.0	NM	13.09	11.56	12.26	12.69	11.71	12.42	12.39	12.71
BBMW-33	7.0 - 12.0	13.93	13.24	12.56	13.39	13.85	12.78	13.53	13.48	13.89
GM-02AS	8.91 - 23.91	11.31	10.46	10.10	10.73	11.03	10.06	10.85	10.84	10.93
GM-02AI	35.24 - 50.24	11.33	10.48	10.12	10.76	11.04	10.07	10.88	10.85	10.95
GM-02AD	59.8 - 74.8	11.51	10.61	10.26	11.74	11.27	10.18	11.04	11.05	11.36
MW-01S	4.0 - 14.0	16.37	16.79	16.01	15.93	16.59	15.38	16.08	NC	16.53
MW-01D	35.0 - 45.0	16.38	16.80	16.00	15.95	16.61	15.41	16.11	16.27	16.55
MW-02S/SR	2.0 -12.0	15.58	14.86	13.87	14.87	15.49	14.23	14.97	14.98	15.32
MW-02I/R	22.5 - 23.5	NC	NC	13.83	14.56	15.29	14.18	14.84	14.89	15.24
MW-03	4.94 - 14.94	16.16	15.38	14.43	15.39	16.02	14.81	15.49	15.62	15.97
MW-04	5.1 - 15.1	15.73	15.14	14.20	15.07	NC	14.58	15.27	15.28	NC
MW-16S/SR	2.0 - 10.0	15.92	15.03	13.89	14.81	16.14	14.22	14.94	15.00	15.97
MW-16I	14.0 - 19.0	15.66	14.77	13.84	14.93	15.35	14.22	14.86	14.94	15.28
MW-29S	5.0 - 10.0	16.41	15.67	NM	15.66	16.23	15.10	15.76	15.88	16.18
MW-29D	14.0 - 19.0	16.40	15.66	NM	15.63	16.22	15.08	15.75	15.88	16.16
MW-30W	2.0 - 10.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-30WR	2.0 - 10.0	15.40	14.74	11.83	12.58	13.04	12.07	12.8	12.75	13.14
MW-32W/WR	2.0 - 10.0	13.64	12.99	12.30	13.09	13.56	12.64	13.28	13.21	NM
MW-34S	2.0 - 10.0	14.07	13.38	NM	13.48	14.00	12.94	13.68	13.64	14.05
MW-34I	18.5 - 19.5	14.07	13.38	NM	13.48	13.98	12.94	13.66	13.63	14.02
MW-34D	27.5 - 28.5	14.08	13.38	NM	13.38	13.98	12.94	13.67	13.67	14.02
MW-45W	2.0 - 10.0	14.22	13.51	12.79	13.56	NC	NC	13.79	NC	14.16
MW-64	19.0 - 24.0	14.99	14.35	13.49	14.33	14.95	13.84	14.52	14.58	14.90
MW-65	11.0 - 16.0	NM	NM	NM	NM	14.88	13.75	14.46	14.51	14.87
MWBS-02S	5.0 - 15.0	11.65	11.06	10.67	NC	NC	10.61	11.43	11.38	NM
MWBS-02I	14.5 - 15.5	11.58	10.99	10.63	NC	NC	10.63	11.41	11.34	NM
MWBS-02D	24.5 - 25.5	11.28	11.05	10.67	NC	NC	10.65	11.42	11.22	NM
OU3MW-01S	3.0 - 13.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OU3MW-02S	3.0 - 13.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OU3MW-02I	15.0 - 20.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OU3MW-04S	1.5 - 11.5	NM	NM	NM	NM	NM	NM	NM	NM	NM
OU3MW-04I	16.0 - 21.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
OU3MW-04D	26.0 - 31.0	NM	NM	NM	NM	NM	NM	NM	NM	NM

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

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)						
		Jul-09	Oct-09	Jan-10	Apr-10	Minimum	Average	Maximum
BBMW-09S	5.0 - 15.0	15.06	14.21	15.29	16.78	12.61	14.81	16.78
BBMW-09I	30.0 - 40.0	15.09	14.21	15.30	16.77	12.6	14.81	16.77
BBMW-09D	62.0 - 72.0	15.06	14.21	15.28	16.76	12.61	14.83	16.76
BBMW-28S	2.0 - 12.0	14.06	13.25	14.30	15.33	12.89	13.97	15.33
BBMW-28I	10.0 - 20.0	14.05	13.24	14.38	15.32	12.88	13.96	15.32
BBMW-29	2.0 - 9.0	12.27	11.48	12.52	13.51	11.28	12.17	13.51
BBMW-30S	2.0 - 10.0	13.99	13.24	14.22	15.10	12.93	13.86	15.1
BBMW-30I	14.0 - 19.0	13.97	13.21	14.22	15.13	12.92	13.86	15.13
BBMW-30D	30.0 - 35.0	13.92	13.19	14.19	15.11	12.91	13.83	15.11
BBMW-31S	2.0 - 10.0	11.21	10.43	11.46	12.27	10.43	11.13	12.27
BBMW-31I	14.0 - 19.0	11.20	10.42	11.45	12.20	10.42	11.11	12.2
BBMW-31D	30.0 - 35.0	11.21	10.44	11.45	12.21	10.44	11.12	12.21
BBMW-32S	2.0 - 10.0	12.49	11.76	12.76	13.62	11.58	12.40	13.62
BBMW-32I	14.0 - 19.0	13.50	12.77	13.75	14.66	12.59	13.40	14.66
BBMW-32D	30.0 - 35.0	12.47	11.73	12.73	13.63	11.56	12.45	13.63
BBMW-33	7.0 - 12.0	13.65	12.84	13.86	14.93	12.56	13.53	14.93
GM-02AS	8.91 - 23.91	10.86	10.04	11.14	12.21	9.94	10.73	12.21
GM-02AI	35.24 - 50.24	10.88	10.05	11.16	12.22	9.96	10.73	12.22
GM-02AD	59.8 - 74.8	11.04	10.25	11.37	12.44	10.06	10.97	12.44
MW-01S	4.0 - 14.0	16.42	15.49	16.62	17.99	13.64	16.12	17.99
MW-01D	35.0 - 45.0	16.44	15.52	16.65	18.03	13.66	16.14	18.03
MW-02S/SR	2.0 - 12.0	NC	NC	NC	NC	13.02	14.96	16.47
MW-02I/R	22.5 - 23.5	NC	NC	NC	NC	13.83	15.36	20.02
MW-03	4.94 - 14.94	15.81	14.91	16.02	17.58	13.18	15.45	17.58
MW-04	5.1 - 15.1	15.50	14.82	15.73	NC	12.98	15.32	19.16
MW-16S/SR	2.0 - 10.0	NC	NC	NC	NC	12.35	14.83	16.47
MW-16I	14.0 - 19.0	NC	NC	NC	NC	12.7	14.93	16.08
MW-29S	5.0 - 10.0	16.00	15.14	16.24	17.43	13.55	15.86	17.84
MW-29D	14.0 - 19.0	16.00	15.17	16.25	17.44	13.53	15.84	17.44
MW-30W	2.0 - 10.0	NM	NM	NM	NM	14.57	15.26	15.89
MW-30WR	2.0 - 10.0	12.83	12.04	13.10	14.15	11.83	13.90	15.4
MW-32W/WR	2.0 - 10.0	13.36	12.58	13.61	NC	12.3	13.19	13.72
MW-34S	2.0 - 10.0	13.82	13.00	14.03	15.09	12.73	13.69	15.09
MW-34I	18.5 - 19.5	13.80	12.98	13.98	15.06	12.74	13.65	15.06
MW-34D	27.5 - 28.5	13.80	12.99	14.00	15.07	12.75	13.68	15.07
MW-45W	2.0 - 10.0	14.21	13.18	NC	15.16	12.79	13.78	15.16
MW-64	19.0 - 24.0	14.65	13.87	14.90	15.75	13.49	14.58	15.77
MW-65	11.0 - 16.0	14.60	13.80	14.82	NC	13.75	14.46	14.88
MWBS-02S	5.0 - 15.0	11.70	10.43	11.65	NC	10.43	11.22	11.7
MWBS-02I	14.5 - 15.5	11.35	10.57	11.66	NC	10.55	11.19	11.66
MWBS-02D	24.5 - 25.5	11.44	10.62	11.49	NC	10.39	11.16	11.73
OU3MW-01S	3.0 - 13.0	NM	NM	14.35	15.28	14.35	14.82	15.28
OU3MW-02S	3.0 - 13.0	NM	13.10	14.10	15.05	13.1	14.08	15.05
OU3MW-02I	15.0 - 20.0	NM	13.09	14.03	15.05	13.09	14.06	15.05
OU3MW-04S	1.5 - 11.5	NM	12.34	13.39	14.42	12.34	13.38	14.42
OU3MW-04I	16.0 - 21.0	NM	12.33	13.37	14.39	12.33	13.36	14.39
OU3MW-04D	26.0 - 31.0	NM	12.31	13.36	14.38	12.31	13.35	14.38

Note:
 NM - not measured
 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	4/1/2010	9:21	1.00	18.18	2.29	15.89	
WCMW-01I	4/1/2010	9:18	1.00	17.99	2.10	15.89	
WCMW-01D	4/1/2010	9:15	1.00	17.69	2.21	15.48	
WCMW-02S	4/1/2010	14:25	1.00	15.34	0.84	14.50	
WCMW-02I	4/1/2010	14:26	1.00	15.23	0.67	14.56	
WCMW-02D	4/1/2010	14:27	1.00	15.15	0.51	14.64	
WCMW-03S	4/1/2010	9:35	2.00	17.15	1.32	15.83	
WCMW-03I	4/1/2010	9:37	2.00	17.20	1.38	15.82	
WCMW-03I2	4/1/2010	9:39	2.00	17.12	1.36	15.76	
WCMW-04S	4/1/2010	10:02	2.00	19.27	3.60	15.67	
WCMW-04I	4/1/2010	9:57	2.00	19.21	3.58	15.63	
WCMW-04I2	4/1/2010	10:00	2.00	19.16	3.56	15.60	
WCMW-05S	4/1/2010	10:15	2.00	18.46	2.89	15.57	
WCMW-05I	4/1/2010	10:17	2.00	18.27	2.67	15.60	
WCMW-05I2	4/1/2010	10:19	2.00	18.39	2.72	15.67	
WCMW-06S	4/1/2010	-	2.00	14.78	0.02	14.76	
WCMW-06I	4/1/2010	-	2.00	14.92	0.01	14.91	
WCMW-06I2	4/1/2010	14:36	2.00	15.08	0.09	14.99	
WCMW-07S	-	-	2.00	NS	-	NC	No access
WCMW-07I	-	-	2.00	NS	-	NC	No access
WCMW-07I2	-	-	2.00	NS	-	NC	No access
WCMW-08S	4/1/2010	12:54	2.00	17.64	1.48	16.16	
WCMW-08I	4/1/2010	12:56	2.00	17.72	1.53	16.19	
WCMW-08I2	4/1/2010	12:58	2.00	17.76	1.56	16.20	
WCMW-09S	4/1/2010	13:04	2.00	18.02	2.04	15.98	
WCMW-10S	4/1/2010	13:07	2.00	17.44	1.68	15.76	
WCMW-10D	4/1/2010	13:09	2.00	17.36	1.60	15.76	
WCMW-11S	4/1/2010	13:22	2.00	NS	3.06	NC	
WCMW-11I	4/1/2010	13:24	2.00	NS	3.37	NC	
WCMW-11D	4/1/2010	13:25	2.00	NS	3.21	NC	
WCMW-12S	4/1/2010	11:07	2.00	16.88	3.45	13.43	
WCMW-12I	4/1/2010	11:09	2.00	17.19	3.42	13.77	
WCMW-12D	4/1/2010	11:11	2.00	17.15	3.37	13.78	
WCMW-13S	4/1/2010	11:18	2.00	15.11	1.01	14.10	
WCMW-13I	4/1/2010	11:20	2.00	15.41	0.95	14.46	
WCMW-13D	4/1/2010	11:22	2.00	15.38	0.91	14.47	
WCMW-14S	4/1/2010	14:39	2.00	15.40	0.10	15.30	
WCMW-14I	4/1/2010	14:40	2.00	15.34	0.52	14.82	
WCMW-14I2	4/1/2010	14:41	2.00	15.33	0.50	14.83	
WCMW-14D	4/1/2010	14:42	2.00	15.63	0.26	15.37	
WCMW-16S	4/1/2010	8:55	2.00	17.45	1.25	16.20	
WCMW-16I	4/1/2010	8:56	2.00	17.33	1.11	16.22	
WCMW-16I2	4/1/2010	8:58	2.00	17.25	1.03	16.22	
WCMW-17S	4/1/2010	9:05	2.00	18.00	1.95	16.05	
WCMW-17I	4/1/2010	9:07	2.00	18.00	2.13	15.87	
WCMW-17I2	4/1/2010	9:08	2.00	17.90	2.08	15.82	
WCMW-18WT	4/1/2010	8:40	2.00	17.00	1.05	15.95	
WCMW-18S	4/1/2010	8:42	2.00	17.20	1.15	16.05	
WCMW-18I	4/1/2010	8:44	2.00	17.22	1.16	16.06	
WCMW-18I2	4/1/2010	8:46	2.00	17.22	1.19	16.03	
WCMW-19S	4/1/2010	14:15	2.00	16.68	0.05	16.63	
WCMW-19I	4/1/2010	14:16	2.00	16.92	0.39	16.53	
WCMW-19I2	4/1/2010	14:17	2.00	16.64	0.10	16.54	
WCMW-20S	4/1/2010	14:05	2.00	16.92	0.71	16.21	
WCMW-20I	4/1/2010	14:03	2.00	17.04	0.73	16.31	
WCMW-20I2	4/1/2010	14:04	2.00	16.92	0.60	16.32	
WCMW-21S	4/1/2010	14:12	2.00	16.66	0.44	16.22	
WCMW-21I	4/1/2010	14:10	2.00	16.36	0.16	16.20	
WCMW-21I2	4/1/2010	14:11	2.00	16.62	0.39	16.23	
WCMW-22S	4/1/2010	13:34	2.00	NS*	2.76	NC	
WCMW-22I	4/1/2010	13:35	2.00	NS*	2.60	NC	

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	4/1/2010	13:39	2.00	NS*	3.51	NC	
WCMW-23I	4/1/2010	13:40	2.00	NS*	3.42	NC	
WCMW-24S	4/1/2010	13:45	2.00	NS*	3.48	NC	
WCMW-24I	4/1/2010	13:47	2.00	NS*	3.52	NC	
WCMW-24I2	4/1/2010	13:48	2.00	NS*	3.46	NC	
WCMW-25I	4/1/2010	9:51	2.00	18.65	3.55	15.10	
WCMW-25D	4/1/2010	9:53	2.00	18.61	3.54	15.07	
WCMW-26S	4/1/2010	13:28	2.00	NS*	2.71	NC	
WCMW-26I	4/1/2010	13:29	2.00	NS*	2.82	NC	
WCMW-26I2	4/1/2010	13:30	2.00	NS*	2.82	NC	
WCMW-27S	4/1/2010	14:50	1.00	NS*	0.45	NC	
WCMW-27I	4/1/2010	14:52	1.00	NS*	0.49	NC	
WCMW-28S	4/1/2010	14:59	1.00	NS*	0.05	NC	
WCMW-28I	4/1/2010	14:51	1.00	NS*	0.78	NC	
BBSW-14*	4/1/2010	14:30	NA	15.05	3.08	11.97	Watchogue Creek at Union Blvd.

Notes:

- 1 - Well Elevations obtained from 2007 survey or later and reference NAVD88 datum
- NS - Survey Data Not Available
- NS* - Survey Data Suspect - Wells to be resurveyed
- Not Available
- NM - Not Measured
- NC - Not Calculated
- * - Surface Water Gauging Station

Table 3-8
 Historic Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 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
WCMW-01S	2.0 - 12.0	NM	13.89	14.15	15.01	14.66	13.92	14.21	15.27	13.62
WCMW-01I	35.0 - 45.0	NM	14.01	14.22	14.72	14.59	13.98	14.22	15.26	13.66
WCMW-01D	64.0 - 72.0	NM	14.00	14.12	14.89	14.59	13.97	14.31	15.24	13.63
WCMW-02S	3.0 - 13.0	NM	12.96	13.12	13.53	13.45	12.92	13.09	14.00	12.66
WCMW-02I	34.5 - 44.5	NM	12.86	13.03	13.43	13.34	12.86	13.01	13.96	12.56
WCMW-02D	62.0 - 72.0	NM	12.92	13.10	13.64	13.44	12.90	12.75	14.01	12.61
WCMW-03S	4.83 - 9.83	NM	NM	13.96	14.67	14.48	13.75	NM	15.04	13.44
WCMW-03I	19.4 - 24.4	NM	NM	14.15	14.71	14.58	13.93	NM	15.16	13.61
WCMW-03I2	28.55 - 33.55	NM	NM	13.98	14.52	14.41	13.76	NM	14.98	13.46
WCMW-04S	1.5 - 11.5	NM	NM	13.97	14.50	14.36	13.70	NM	15.06	13.39
WCMW-04I	19.0 - 24.0	NM	NM	13.94	14.49	14.36	13.70	NM	15.00	13.41
WCMW-04I2	29.85 - 34.85	NM	NM	14.05	14.58	14.43	13.79	NM	15.07	13.48
WCMW-05S	1.4 - 11.4	NM	NM	14.20	14.68	14.46	13.82	NM	15.05	13.48
WCMW-05I	19.61 - 24.61	NM	NM	13.98	14.51	14.40	13.76	NM	14.99	13.44
WCMW-05I2	29.46 - 34.46	NM	NM	14.02	14.54	14.43	13.81	NM	15.02	13.48
WCMW-06S	2.0 - 12.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-06I	19.55 - 24.55	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-06I2	29.83 - 34.83	NM	NM	13.86	14.33	14.21	13.60	NM	14.79	13.27
WCMW-08S	4.2 - 9.2	NM	NM	14.55	15.14	15.02	14.32	14.57	15.59	14.00
WCMW-08I	19.2 - 24.2	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-08I2	26.9 - 31.9	NM	NM	14.55	15.13	15.05	14.33	14.59	15.61	14.03
WCMW-09S	5.0 - 15.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-10S	15.0 - 20.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-10D	40.0 - 50.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-11S**	5.0 - 15.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-11I**	25.0 - 35.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-11D**	50.0 - 60.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-12S	3.0 - 13.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-12I	25.0 - 30.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-12D	65.0 - 70.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-13S	3.0 - 13.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-13I	25.0 - 30.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-13D	65.0 - 70.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-14S	2.0 - 12.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-14I	20.0 - 25.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-14I2	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-14D	67.0 - 72.0	NM	NM	NM	NM	NM	NM	NM	NM	NM

Table 3-8
 Historic Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 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
WCMW-16S	2.0 - 12.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-16I	20.0 - 25.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-16I2	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-17S	2.0 - 12.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-17I	20.0 - 25.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-17I2	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-18WT	2.0 - 7.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-18S	2.0 - 12.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-18I	20.0 - 25.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-18I2	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-19S	2.0 - 12.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-19I	20.0 - 25.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-19I2	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-20S	2.0 - 12.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-20I	20.0 - 25.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-20I2	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-21S	2.0 - 12.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-21I	20.0 - 25.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-21I2	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-22S	2.0 - 12.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-22I	25.0 - 30.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-23S	3.0 - 13.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-23I	25.0 - 30.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-24S	2.0 - 12.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-24I	20.0 - 25.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-24I2	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-25I	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-25D	55.0 - 60.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-26S	2.0 - 12.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-26I	20.0 - 25.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-26I2	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-27S	2.0 - 12.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-27I	20.0 - 25.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-28S	2.0 - 12.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-28I	20.0 - 25.0	NM	NM	NM	NM	NM	NM	NM	NM	NM

Table 3-8
 Historic Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 4 (OU-4)

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)								
		Oct-04	Feb-05	May-05	Aug-05	Nov-05	Feb-06	May-06	July/Aug-06	Nov-06
WCMW-01S	2.0 - 12.0	14.09	14.89	14.61	13.45	15.05	14.87	14.51	14.20	14.61
WCMW-01I	35.0 - 45.0	14.10	14.78	14.61	13.37	15.05	14.88	14.52	14.19	14.65
WCMW-01D	64.0 - 72.0	14.09	13.89	14.71	13.41	15.07	NM	14.51	14.18	14.63
WCMW-02S	3.0 - 13.0	13.03	14.07	13.44	12.25	13.69	13.53	13.22	12.95	13.39
WCMW-02I	34.5 - 44.5	12.95	13.52	13.41	12.28	13.75	13.61	13.28	12.98	13.43
WCMW-02D	62.0 - 72.0	12.98	13.46	13.55	12.34	13.84	13.64	13.32	12.98	13.47
WCMW-03S	4.83 - 9.83	13.96	14.64	14.41	13.42	15.03	14.87	14.52	14.23	14.61
WCMW-03I	19.4 - 24.4	14.05	14.69	14.55	13.32	14.96	14.80	14.43	14.11	14.55
WCMW-03I2	28.55 - 33.55	13.89	14.50	14.38	13.30	14.95	14.79	14.42	14.10	14.55
WCMW-04S	1.5 - 11.5	13.83	14.46	14.32	13.10	14.73	14.59	14.23	13.90	14.36
WCMW-04I	19.0 - 24.0	13.83	14.47	14.33	13.10	14.73	14.59	14.23	13.90	14.36
WCMW-04I2	29.85 - 34.85	13.88	14.55	14.45	13.21	14.83	14.64	14.32	13.99	14.45
WCMW-05S	1.4 - 11.4	13.97	14.66	14.39	13.18	14.85	14.70	14.31	13.99	14.48
WCMW-05I	19.61 - 24.61	13.89	14.52	14.37	13.16	14.81	14.65	14.29	13.97	14.42
WCMW-05I2	29.46 - 34.46	13.92	14.57	14.41	13.17	14.84	14.68	14.33	13.98	14.46
WCMW-06S	2.0 - 12.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-06I	19.55 - 24.55	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-06I2	29.83 - 34.83	13.74	14.39	14.22	12.98	14.62	NM	14.12	NM	NM
WCMW-08S	4.2 - 9.2	14.45	15.11	15.01	13.73	15.43	15.26	14.92	14.58	14.99
WCMW-08I	19.2 - 24.2	NM	NM	NM	NM	NM	NM	NM	14.60	15.03
WCMW-08I2	26.9 - 31.9	14.47	15.14	15.03	13.77	15.44	15.27	14.92	14.59	15.02
WCMW-09S	5.0 - 15.0	NM	NM	NM	NM	NM	15.05	14.71	14.39	14.81
WCMW-10S	15.0 - 20.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-10D	40.0 - 50.0	NM	NM	NM	NM	NM	14.82	14.46	14.14	NM
WCMW-11S**	5.0 - 15.0	NM	NM	NM	NM	NM	15.84	NM	NM	NM
WCMW-11I**	25.0 - 35.0	NM	NM	NM	NM	NM	15.84	NM	NM	NM
WCMW-11D**	50.0 - 60.0	NM	NM	NM	NM	NM	15.81	NM	NM	NM
WCMW-12S	3.0 - 13.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-12I	25.0 - 30.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-12D	65.0 - 70.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-13S	3.0 - 13.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-13I	25.0 - 30.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-13D	65.0 - 70.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-14S	2.0 - 12.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-14I	20.0 - 25.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-14I2	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-14D	67.0 - 72.0	NM	NM	NM	NM	NM	NM	NM	NM	NM

Table 3-8
 Historic Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 4 (OU-4)

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)								
		Oct-04	Feb-05	May-05	Aug-05	Nov-05	Feb-06	May-06	July/Aug-06	Nov-06
WCMW-16S	2.0 - 12.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-16I	20.0 - 25.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-16I2	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-17S	2.0 - 12.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-17I	20.0 - 25.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-17I2	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-18WT	2.0 - 7.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-18S	2.0 - 12.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-18I	20.0 - 25.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-18I2	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-19S	2.0 - 12.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-19I	20.0 - 25.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-19I2	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-20S	2.0 - 12.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-20I	20.0 - 25.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-20I2	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-21S	2.0 - 12.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-21I	20.0 - 25.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-21I2	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-22S	2.0 - 12.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-22I	25.0 - 30.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-23S	3.0 - 13.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-23I	25.0 - 30.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-24S	2.0 - 12.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-24I	20.0 - 25.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-24I2	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-25I	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-25D	55.0 - 60.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-26S	2.0 - 12.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-26I	20.0 - 25.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-26I2	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-27S	2.0 - 12.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-27I	20.0 - 25.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-28S	2.0 - 12.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-28I	20.0 - 25.0	NM	NM	NM	NM	NM	NM	NM	NM	NM

Table 3-8
 Historic Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 4 (OU-4)

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	May-08	Aug-08	Nov-08	Jan-09
WCMW-01S	2.0 - 12.0	14.59	14.83	14.09	13.51	14.28	14.79	13.84	14.45	14.56
WCMW-01I	35.0 - 45.0	14.64	14.87	14.14	13.53	14.30	14.88	13.77	14.44	14.56
WCMW-01D	64.0 - 72.0	14.53	14.84	14.14	13.55	14.28	14.87	13.66	14.50	14.03
WCMW-02S	3.0 - 13.0	13.35	13.60	12.95	12.35	13.07	13.54	12.59	13.24	13.31
WCMW-02I	34.5 - 44.5	13.41	13.67	12.98	12.34	13.11	13.62	12.64	13.25	13.25
WCMW-02D	62.0 - 72.0	13.44	13.70	13.02	12.39	13.16	13.65	12.93	13.30	13.38
WCMW-03S	4.83 - 9.83	14.57	14.83	14.09	13.43	14.28	14.79	13.84	14.43	14.52
WCMW-03I	19.4 - 24.4	14.56	14.80	14.06	13.41	14.22	14.78	13.76	14.37	14.52
WCMW-03I2	28.55 - 33.55	14.54	14.79	14.05	13.40	14.17	14.77	13.69	14.37	14.51
WCMW-04S	1.5 - 11.5	14.33	14.58	13.83	13.18	13.97	14.57	13.49	14.17	14.26
WCMW-04I	19.0 - 24.0	14.35	14.59	13.84	13.20	14.02	14.59	13.64	14.16	14.30
WCMW-04I2	29.85 - 34.85	14.43	14.70	13.94	13.29	14.12	14.67	13.45	14.26	14.39
WCMW-05S	1.4 - 11.4	14.43	14.67	13.92	13.25	14.14	14.64	13.59	14.32	14.40
WCMW-05I	19.61 - 24.61	14.40	14.66	13.92	13.27	14.07	14.62	13.57	14.23	14.36
WCMW-05I2	29.46 - 34.46	14.44	14.70	13.95	13.31	14.08	14.66	13.65	14.28	14.40
WCMW-06S	2.0 - 12.0	NM	NM	NM	13.03	13.83	14.38	13.40	14.01	14.18
WCMW-06I	19.55 - 24.55	NM	NM	NM	13.02	13.82	14.36	13.31	13.99	14.07
WCMW-06I2	29.83 - 34.83	14.25	14.45	13.69	13.07	13.83	14.39	13.37	14.02	14.11
WCMW-08S	4.2 - 9.2	15.01	15.29	14.52	13.82	14.64	15.26	14.14	14.78	14.99
WCMW-08I	19.2 - 24.2	15.03	15.28	14.51	13.85	14.66	15.27	14.13	14.80	15.01
WCMW-08I2	26.9 - 31.9	15.02	15.28	14.52	13.82	14.74	15.25	14.11	14.79	14.99
WCMW-09S	5.0 - 15.0	14.82	15.08	14.32	13.64	14.45	15.04	13.94	14.60	14.75
WCMW-10S	15.0 - 20.0	14.57	17.44	NM	13.47	14.18	14.80	13.69	14.37	14.53
WCMW-10D	40.0 - 50.0	14.57	17.36	NM	13.42	14.18	14.80	13.74	14.37	13.52
WCMW-11S**	5.0 - 15.0	NM	NM	NM	NM	NM	NC	NC	NC	NC
WCMW-11I**	25.0 - 35.0	NM	NM	NM	NM	NM	NC	NC	NC	NC
WCMW-11D**	50.0 - 60.0	NM	NM	NM	NM	NM	NC	NC	NC	NC
WCMW-12S	3.0 - 13.0	NM	NM	NM	NM	NM	13.77	12.82	13.42	13.46
WCMW-12I	25.0 - 30.0	NM	NM	NM	NM	NM	13.76	12.82	13.43	13.46
WCMW-12D	65.0 - 70.0	NM	NM	NM	NM	NM	13.78	12.81	13.44	13.49
WCMW-13S	3.0 - 13.0	NM	NM	NM	NM	NM	13.59	12.71	13.30	13.37
WCMW-13I	25.0 - 30.0	NM	NM	NM	NM	NM	13.68	12.74	13.33	13.41
WCMW-13D	65.0 - 70.0	NM	NM	NM	NM	NM	13.71	12.92	13.37	13.47
WCMW-14S	2.0 - 12.0	NM	NM	NM	NM	NM	14.57	13.80	14.20	14.34
WCMW-14I	20.0 - 25.0	NM	NM	NM	NM	NM	14.53	13.50	14.15	14.25
WCMW-14I2	30.0 - 35.0	NM	NM	NM	NM	NM	14.53	13.18	14.16	14.28
WCMW-14D	67.0 - 72.0	NM	NM	NM	NM	NM	14.56	12.42	14.20	14.43

Table 3-8
 Historic Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 4 (OU-4)

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	May-08	Aug-08	Nov-08	Jan-09
WCMW-16S	2.0 - 12.0	NM	NM	NM	NM	NM	15.29	14.35	14.85	14.98
WCMW-16I	20.0 - 25.0	NM	NM	NM	NM	NM	15.28	14.29	14.86	15.01
WCMW-16I2	30.0 - 35.0	NM	NM	NM	NM	NM	15.25	14.56	14.84	14.98
WCMW-17S	2.0 - 12.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-17I	20.0 - 25.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-17I2	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-18WT	2.0 - 7.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-18S	2.0 - 12.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-18I	20.0 - 25.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-18I2	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-19S	2.0 - 12.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-19I	20.0 - 25.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-19I2	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-20S	2.0 - 12.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-20I	20.0 - 25.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-20I2	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-21S	2.0 - 12.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-21I	20.0 - 25.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-21I2	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-22S	2.0 - 12.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-22I	25.0 - 30.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-23S	3.0 - 13.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-23I	25.0 - 30.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-24S	2.0 - 12.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-24I	20.0 - 25.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-24I2	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-25I	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-25D	55.0 - 60.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-26S	2.0 - 12.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-26I	20.0 - 25.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-26I2	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-27S	2.0 - 12.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-27I	20.0 - 25.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-28S	2.0 - 12.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-28I	20.0 - 25.0	NM	NM	NM	NM	NM	NM	NM	NM	NM

Table 3-8
 Historic Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 4 (OU-4)

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)							
		May-09	Jul-09	Oct-09	Jan-10	Apr-10	Minimum	Average	Maximum
WCMW-01S	2.0 - 12.0	14.82	14.85	14.26	14.90	15.89	13.45	14.47	15.89
WCMW-01I	35.0 - 45.0	14.83	14.94	13.99	14.83	15.89	13.37	14.47	15.89
WCMW-01D	64.0 - 72.0	14.82	13.96	13.72	14.51	15.48	13.41	14.34	15.48
WCMW-02S	3.0 - 13.0	13.63	13.53	12.88	13.63	14.50	12.25	13.27	14.50
WCMW-02I	34.5 - 44.5	13.60	13.59	12.92	13.71	14.56	12.28	13.26	14.56
WCMW-02D	62.0 - 72.0	13.56	13.62	12.95	13.70	14.64	12.34	13.30	14.64
WCMW-03S	4.83 - 9.83	14.78	14.75	13.95	14.75	15.83	13.42	14.41	15.83
WCMW-03I	19.4 - 24.4	14.77	14.84	14.06	14.81	15.82	13.32	14.43	15.82
WCMW-03I2	28.55 - 33.55	14.73	14.80	14.07	14.81	15.76	13.30	14.36	15.76
WCMW-04S	1.5 - 11.5	14.58	14.56	13.82	14.66	15.67	13.10	14.21	15.67
WCMW-04I	19.0 - 24.0	14.55	14.55	13.79	14.63	15.63	13.10	14.22	15.63
WCMW-04I2	29.85 - 34.85	14.62	14.63	13.95	14.66	15.60	13.21	14.29	15.60
WCMW-05S	1.4 - 11.4	14.66	14.62	13.97	14.66	15.57	13.18	14.31	15.57
WCMW-05I	19.61 - 24.61	14.61	14.65	13.89	14.62	15.60	13.16	14.26	15.60
WCMW-05I2	29.46 - 34.46	14.62	14.67	13.92	14.68	15.67	13.17	14.30	15.67
WCMW-06S	2.0 - 12.0	14.07	14.35	13.60	14.38	14.76	13.03	14.00	14.76
WCMW-06I	19.55 - 24.55	14.04	14.34	13.65	14.42	14.91	13.02	13.99	14.91
WCMW-06I2	29.83 - 34.83	14.17	14.38	13.68	14.48	14.99	12.98	14.04	14.99
WCMW-08S	4.2 - 9.2	15.21	15.20	14.43	15.24	16.16	13.73	14.85	16.16
WCMW-08I	19.2 - 24.2	15.24	15.21	14.47	15.27	16.19	13.85	14.91	16.19
WCMW-08I2	26.9 - 31.9	15.22	15.23	14.44	15.28	16.20	13.77	14.86	16.20
WCMW-09S	5.0 - 15.0	15.03	15.03	14.30	15.08	15.98	13.64	14.72	15.98
WCMW-10S	15.0 - 20.0	14.78	14.72	14.05	14.78	15.76	13.47	14.70	17.44
WCMW-10D	40.0 - 50.0	14.78	14.71	13.99	14.82	15.76	13.42	14.59	17.36
WCMW-11S**	5.0 - 15.0	NC	NC	NC	NC	NC	15.84	15.84	15.84
WCMW-11I**	25.0 - 35.0	NC	NC	NC	NC	NC	15.84	15.84	15.84
WCMW-11D**	50.0 - 60.0	NC	NC	NC	NC	NC	15.81	15.81	15.81
WCMW-12S	3.0 - 13.0	13.75	13.73	13.07	13.83	13.43	12.82	13.48	13.83
WCMW-12I	25.0 - 30.0	13.70	13.73	13.05	13.79	13.77	12.82	13.50	13.79
WCMW-12D	65.0 - 70.0	13.77	13.74	13.06	13.84	13.78	12.81	13.52	13.84
WCMW-13S	3.0 - 13.0	13.56	13.66	12.95	13.62	14.10	12.71	13.43	14.10
WCMW-13I	25.0 - 30.0	13.62	13.60	12.97	13.69	14.46	12.74	13.50	14.46
WCMW-13D	65.0 - 70.0	13.68	13.66	13.01	13.73	14.47	12.92	13.56	14.47
WCMW-14S	2.0 - 12.0	14.49	14.24	12.84	14.30	15.30	12.84	14.23	15.30
WCMW-14I	20.0 - 25.0	14.33	14.52	13.79	14.19	14.82	13.50	14.23	14.82
WCMW-14I2	30.0 - 35.0	14.41	14.52	13.83	14.55	14.83	13.18	14.25	14.83
WCMW-14D	67.0 - 72.0	14.45	14.65	13.91	14.78	15.37	12.42	14.31	15.37

Table 3-8
 Historic Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 4 (OU-4)

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)							
		May-09	Jul-09	Oct-09	Jan-10	Apr-10	Minimum	Average	Maximum
WCMW-16S	2.0 - 12.0	15.30	15.39	14.60	15.25	16.20	14.35	15.13	16.20
WCMW-16I	20.0 - 25.0	15.27	15.36	14.51	15.24	16.22	14.29	15.12	16.22
WCMW-16I2	30.0 - 35.0	15.27	15.34	14.44	15.25	16.22	14.44	15.13	16.22
WCMW-17S	2.0 - 12.0	NM	NM	14.18	14.70	16.05	14.18	14.98	16.05
WCMW-17I	20.0 - 25.0	NM	NM	14.14	15.00	15.87	14.14	15.00	15.87
WCMW-17I2	30.0 - 35.0	NM	NM	14.05	14.70	15.82	14.05	14.86	15.82
WCMW-18WT	2.0 - 7.0	NM	15.18	14.51	15.10	15.95	14.51	15.19	15.95
WCMW-18S	2.0 - 12.0	NM	15.13	14.43	15.10	16.05	14.43	15.18	16.05
WCMW-18I	20.0 - 25.0	NM	15.17	14.43	15.11	16.06	14.43	15.19	16.06
WCMW-18I2	30.0 - 35.0	NM	15.17	14.42	15.04	16.03	14.42	15.17	16.03
WCMW-19S	2.0 - 12.0	NM	NM	14.71	15.56	16.63	14.71	15.63	16.63
WCMW-19I	20.0 - 25.0	NM	NM	14.69	15.43	16.53	14.69	15.55	16.53
WCMW-19I2	30.0 - 35.0	NM	NM	14.65	15.48	16.54	14.65	15.56	16.54
WCMW-20S	2.0 - 12.0	NM	NM	14.39	15.16	16.21	14.39	15.25	16.21
WCMW-20I	20.0 - 25.0	NM	NM	14.49	15.24	16.31	14.49	15.35	16.31
WCMW-20I2	30.0 - 35.0	NM	NM	14.51	15.22	16.32	14.51	15.35	16.32
WCMW-21S	2.0 - 12.0	NM	NM	14.50	15.22	16.22	14.50	15.31	16.22
WCMW-21I	20.0 - 25.0	NM	NM	14.49	15.26	16.20	14.49	15.32	16.20
WCMW-21I2	30.0 - 35.0	NM	NM	14.47	15.17	16.23	14.47	15.29	16.23
WCMW-22S	2.0 - 12.0	NM	NM	NC	NC	NC	NC	NC	NC
WCMW-22I	25.0 - 30.0	NM	NM	NC	NC	NC	NC	NC	NC
WCMW-23S	3.0 - 13.0	NM	NM	NM	NM	NC	NC	NC	NC
WCMW-23I	25.0 - 30.0	NM	NM	NM	NM	NC	NC	NC	NC
WCMW-24S	2.0 - 12.0	NM	NM	NM	NC	NC	NC	NC	NC
WCMW-24I	20.0 - 25.0	NM	NM	NM	NC	NC	NC	NC	NC
WCMW-24I2	30.0 - 35.0	NM	NM	NM	NC	NC	NC	NC	NC
WCMW-25I	30.0 - 35.0	NM	NM	NM	14.34	15.10	14.34	14.72	15.10
WCMW-25D	55.0 - 60.0	NM	NM	NM	14.16	15.07	14.16	14.62	15.07
WCMW-26S	2.0 - 12.0	NM	NM	NM	NC	NC	NC	NC	NC
WCMW-26I	20.0 - 25.0	NM	NM	NM	NC	NC	NC	NC	NC
WCMW-26I2	30.0 - 35.0	NM	NM	NM	NC	NC	NC	NC	NC
WCMW-27S	2.0 - 12.0	NM	NM	NM	NC	NC	NC	NC	NC
WCMW-27I	20.0 - 25.0	NM	NM	NM	NC	NC	NC	NC	NC
WCMW-28S	2.0 - 12.0	NM	NM	NM	NC	NC	NC	NC	NC
WCMW-28I	20.0 - 25.0	NM	NM	NM	NC	NC	NC	NC	NC

Notes:

bgs - below ground surface

NM - not measured

NC - not calculated

Well Elevations obtained from 2007 survey or later and reference NAVD88 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
		Sept	Sept	Oct/Nov	Apr/May	June/July	Nov/Dec	Feb-Apr
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
BBMW-22I	30.0 - 40.0	--	--	--	36	--	25	22
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
BBMW-36I	25.0 - 30.0	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	--	--	--
MW-03D	35.0 - 45.0	0	0	0	0	--	--	--
MW-05S	4.0 - 14.0	17,180	27,000	20,430	24,320	--	34,290	46,300
MW-05D	35.5 - 45.5	253	15	39	3	--	0	17
MW-09S	4.0 - 14.0	0	--	29	--	0	0	0
MW-09I	30.0 - 40.0	--	--	--	--	--	--	--
MW-09I2	45.0 - 50.0	--	--	--	--	--	--	--
MW-09D	65.0 - 70.0	--	--	--	--	--	--	--
OU2MW-48S	3.0 - 13.0	--	--	--	--	--	--	--
OU2MW-48I	25.0 - 30.0	--	--	--	--	--	--	--
OU2MW-48I2	45.0 - 50.0	--	--	--	--	--	--	--
OU2MW-48D	65.0 - 70.0	--	--	--	--	--	--	--
OU2MW-49S	3.0 - 13.0	--	--	--	--	--	--	--
OU2MW-49I	25.0 - 30.0	--	--	--	--	--	--	--
OU2MW-49I2	45.0 - 50.0	--	--	--	--	--	--	--
OU2MW-49D	63.0 - 68.0	--	--	--	--	--	--	--
OZMW-16S	5.0 - 15.0	--	--	--	--	--	--	--
OZMW-16I	20.0 - 30.0	--	--	--	--	--	--	--
OZMW-16I2	35.0 - 45.0	--	--	--	--	--	--	--
OZMW-16D	55.0 - 65.0	--	--	--	--	--	--	--

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
		Sept	Sept	Oct/Nov	Apr/May	June/July	Nov/Dec	Feb-Apr
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						
		2003		2004			2005	
		Jul/Aug	Sept/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar
BBMW-05D	64.0 - 74.0	--	--	1,890	--	--	--	680
BBMW-05D2	126.5 - 136.5	--	--	--	--	--	--	--
BBMW-13D	62.0 - 72.0	--	--	0	--	--	--	0
BBMW-20S	4.0 - 14.0	--	--	10,876	--	10,120	--	--
BBMW-20I	35.0 - 45.0	--	--	110	--	142	--	--
BBMW-20D	62.0 - 72.0	--	--	--	--	--	--	--
BBMW-22S	5.0 - 10.0	20,000	25,200	12,960	13,800	21,300	14,500	11,670
BBMW-22I	30.0 - 40.0	--	28	13	--	--	--	16
BBMW-22D	64.0 - 74.0	--	--	2,370	--	--	--	1,650
BBMW-26S	6.0 - 16.0	--	--	--	--	--	--	0
BBMW-26I	30.0 - 40.0	--	--	--	--	--	--	0
BBMW-27S	5.0 - 15.0	--	--	--	--	--	--	0
BBMW-27I	30.0 - 40.0	--	--	--	--	--	--	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
BBMW-36I	25.0 - 30.0	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	45	20	0	0	33	35	--
MW-03D	35.0 - 45.0	--	--	0	--	--	--	--
MW-05S	4.0 - 14.0	--	--	21,660	--	--	--	24,395
MW-05D	35.5 - 45.5	--	--	0	--	--	--	0
MW-09S	4.0 - 14.0	--	--	0	--	--	0	--
MW-09I	30.0 - 40.0	--	--	--	--	--	--	--
MW-09I2	45.0 - 50.0	--	--	--	--	--	--	--
MW-09D	65.0 - 70.0	--	--	--	--	--	--	--
OU2MW-48S	3.0 - 13.0	--	--	--	--	--	--	--
OU2MW-48I	25.0 - 30.0	--	--	--	--	--	--	--
OU2MW-48I2	45.0 - 50.0	--	--	--	--	--	--	--
OU2MW-48D	65.0 - 70.0	--	--	--	--	--	--	--
OU2MW-49S	3.0 - 13.0	--	--	--	--	--	--	--
OU2MW-49I	25.0 - 30.0	--	--	--	--	--	--	--
OU2MW-49I2	45.0 - 50.0	--	--	--	--	--	--	--
OU2MW-49D	63.0 - 68.0	--	--	--	--	--	--	--
OZMW-16S	5.0 - 15.0	--	--	--	--	--	--	--
OZMW-16I	20.0 - 30.0	--	--	--	--	--	--	--
OZMW-16I2	35.0 - 45.0	--	--	--	--	--	--	--
OZMW-16D	55.0 - 65.0	--	--	--	--	--	--	--

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						
		2003		2004			2005	
		Jul/Aug	Sept/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar
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						
		2005			2006			
		June	August	Nov/Dec	March	June	Jul/Aug	Nov/Dec
BBMW-05D	64.0 - 74.0	--	--	--	890	1,267	3,150	553
BBMW-05D2	126.5 - 136.5	--	--	--	0	--	--	--
BBMW-13D	62.0 - 72.0	--	--	--	0	--	--	--
BBMW-20S	4.0 - 14.0	--	--	5,655	--	--	19,133	12,900
BBMW-20I	35.0 - 45.0	--	--	104	--	--	165	125
BBMW-20D	62.0 - 72.0	--	--	--	--	--	--	--
BBMW-22S	5.0 - 10.0	16,900	9,200	--	12,370	10,300	--	--
BBMW-22I	30.0 - 40.0	--	--	--	16	--	--	--
BBMW-22D	64.0 - 74.0	--	--	--	1,020	--	--	--
BBMW-26S	6.0 - 16.0	--	--	--	0	--	--	--
BBMW-26I	30.0 - 40.0	--	--	--	0	--	--	--
BBMW-27S	5.0 - 15.0	--	--	--	0	--	--	--
BBMW-27I	30.0 - 40.0	--	--	--	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
BBMW-36I	25.0 - 30.0	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	180	34	0	132	31	250	10
MW-03D	35.0 - 45.0	--	--	--	0	--	--	--
MW-05S	4.0 - 14.0	--	--	--	14,197	17,327	18,100	24,600
MW-05D	35.5 - 45.5	--	--	--	12	0	0	0
MW-09S	4.0 - 14.0	--	--	--	0	--	--	--
MW-09I	30.0 - 40.0	--	--	--	0	--	--	--
MW-09I2	45.0 - 50.0	--	--	--	--	--	--	--
MW-09D	65.0 - 70.0	--	--	--	--	--	--	--
OU2MW-48S	3.0 - 13.0	--	--	--	--	--	--	--
OU2MW-48I	25.0 - 30.0	--	--	--	--	--	--	--
OU2MW-48I2	45.0 - 50.0	--	--	--	--	--	--	--
OU2MW-48D	65.0 - 70.0	--	--	--	--	--	--	--
OU2MW-49S	3.0 - 13.0	--	--	--	--	--	--	--
OU2MW-49I	25.0 - 30.0	--	--	--	--	--	--	--
OU2MW-49I2	45.0 - 50.0	--	--	--	--	--	--	--
OU2MW-49D	63.0 - 68.0	--	--	--	--	--	--	--
OZMW-16S	5.0 - 15.0	--	--	--	--	--	--	--
OZMW-16I	20.0 - 30.0	--	--	--	--	--	--	--
OZMW-16I2	35.0 - 45.0	--	--	--	--	--	--	--
OZMW-16D	55.0 - 65.0	--	--	--	--	--	--	--

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						
		2005			2006			
		June	August	Nov/Dec	March	June	Jul/Aug	Nov/Dec
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						
		2007				2008		
		March	May-July	Aug-Oct	Oct-Dec	Jan-Mar	Apr-July	July-Sep
BBMW-05D	64.0 - 74.0	1,597	613	21	399	717	727	790
BBMW-05D2	126.5 - 136.5	--	--	--	--	0	--	--
BBMW-13D	62.0 - 72.0	0	0	0	0	0	--	--
BBMW-20S	4.0 - 14.0	173	4,144	2,677	--	--	--	--
BBMW-20I	35.0 - 45.0	105	0	29	13	8	5	6
BBMW-20D	62.0 - 72.0	1,540	1,800	1,359	--	--	--	--
BBMW-22S	5.0 - 10.0	10,850	10,420	14,810	7,150	5,816	7,340	9,140
BBMW-22I	30.0 - 40.0	0	43	37	32	31	32	38
BBMW-22D	64.0 - 74.0	1,558	1,580	2,807	3,126	2,356	3,126	4,810
BBMW-26S	6.0 - 16.0	0	0	0	0	0	--	--
BBMW-26I	30.0 - 40.0	0	0	0	--	0	--	--
BBMW-27S	5.0 - 15.0	0	0	0	0	0	0	0
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
BBMW-36I	25.0 - 30.0	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	111	116	18	30	5	--
MW-03D	35.0 - 45.0	0	0	0	0	0	--	--
MW-05S	4.0 - 14.0	48,430	15,905	12,929	18,130	15,095	8,060	14,554
MW-05D	35.5 - 45.5	0	18	22	0	0	0	7
MW-09S	4.0 - 14.0	0	0	0	0	0	0	0
MW-09I	30.0 - 40.0	0	0	2	--	4	--	--
MW-09I2	45.0 - 50.0	--	--	--	--	--	--	--
MW-09D	65.0 - 70.0	--	--	--	--	--	--	--
OU2MW-48S	3.0 - 13.0	--	--	--	--	--	--	--
OU2MW-48I	25.0 - 30.0	--	--	--	--	--	--	--
OU2MW-48I2	45.0 - 50.0	--	--	--	--	--	--	--
OU2MW-48D	65.0 - 70.0	--	--	--	--	--	--	--
OU2MW-49S	3.0 - 13.0	--	--	--	--	--	--	--
OU2MW-49I	25.0 - 30.0	--	--	--	--	--	--	--
OU2MW-49I2	45.0 - 50.0	--	--	--	--	--	--	--
OU2MW-49D	63.0 - 68.0	--	--	--	--	--	--	--
OZMW-16S	5.0 - 15.0	--	--	--	--	4,685	0	0
OZMW-16I	20.0 - 30.0	--	--	--	--	512	105	136
OZMW-16I2	35.0 - 45.0	--	--	--	--	3	4	8
OZMW-16D	55.0 - 65.0	--	--	--	--	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						
		2007				2008		
		March	May-July	Aug-Oct	Oct-Dec	Jan-Mar	Apr-July	July-Sep
OZMW-17S	5.0 - 15.0	--	--	--	--	1,664	78	52
OZMW-17I	20.0 - 30.0	--	--	--	--	1,316	82	23
OZMW-17I2	35.0 - 45.0	--	--	--	--	0	0	0
OZMW-17D	53.0 - 63.0	--	--	--	--	0	0	0
OZMW-18S	5.0 - 15.0	--	--	--	--	3,160	54	212
OZMW-18I	20.0 - 30.0	--	--	--	--	3,600	169	25
OZMW-18I2	35.0 - 45.0	--	--	--	--	201	95	57
OZMW-18D	55.0 - 65.0	--	--	--	--	77	31	79
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	7,381
OZMW-22I/22IR	20.0 - 30.0	--	--	--	--	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	
		Oct-Dec	Jan-Mar	Apr-Jun	July-Sep	Oct-Dec	Jan-Mar	Apr-Jun
BBMW-05D	64.0 - 74.0	1,414	482	880	1,016	1,029	933	893
BBMW-05D2	126.5 - 136.5	--	7	--	--	--	--	--
BBMW-13D	62.0 - 72.0	--	0	--	--	--	0	2
BBMW-20S	4.0 - 14.0	--	--	--	--	--	--	--
BBMW-20I	35.0 - 45.0	8	8	3	5	10	12	10
BBMW-20D	62.0 - 72.0	--	--	--	--	--	--	--
BBMW-22S	5.0 - 10.0	10,770	10,730	7,820	9,600	10,010	9,920	9,280
BBMW-22I	30.0 - 40.0	42	43	111	199	170	164	257
BBMW-22D	64.0 - 74.0	2,835	2,314	4,329	4,010	1,692	921	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	1	0	0	0
BBMW-27I	30.0 - 40.0	--	0	0	--	--	0	--
BBMW-34S	5.0 - 15.0	--	--	--	749	885	634	696
BBMW-34I	25.0 - 30.0	--	--	--	3,109	3,547	2,360	2,714
BBMW-34I2	40.0 - 45.0	--	--	--	196	192	174	219
BBMW-34D	65.0 - 70.0	--	--	--	8	0	0	0
BBMW-36S	5.0 - 15.0	0	0	0	--	7	8	24
BBMW-36I	25.0 - 30.0	0	0	0	--	0	0	0
BBMW-38S	5.0 - 15.0	--	--	--	49	9	3	4
BBMW-38I	25.0 - 30.0	--	--	--	9	7	10	6
BBMW-38I2	40.0 - 45.0	--	--	--	7	8	7	6
BBMW-38D	65.0 - 70.0	--	--	--	0	0	0	0
BBMW-39S	5.0 - 15.0	--	--	--	9,755	5,970	8,580	3,341
BBMW-39I	25.0 - 30.0	--	--	--	0	0	0	210
BBMW-39I2	45.0 - 50.0	--	--	--	0	0	0	0
BBMW-39D	65.0 - 70.0	--	--	--	1	0	0	0
BBMW-40S	5.0 - 15.0	--	--	--	5,069	5,987	1	10
BBMW-40I	25.0 - 30.0	--	--	--	5	12	26	12
BBMW-40I2	45.0 - 50.0	--	--	--	0	0	3	0
BBMW-40D	70.0 - 75.0	--	--	--	37	19	4	0
BBMW-41S	6.0 - 16.0	--	--	--	6,819	2,192	4,407	3,773
BBMW-41I	25.0 - 30.0	--	--	--	0	0	0	0
BBMW-41I2	45.0 - 50.0	--	--	--	2	1	0	0
BBMW-41D	65.0 - 70.0	--	--	--	0	0	0	0
MW-03S	3.0 - 13.0	--	34	28	--	--	30	7
MW-03D	35.0 - 45.0	--	0	0	--	--	0	0
MW-05S	4.0 - 14.0	2,304	9,600	2,655	7,891	9,341	7,150	1,311
MW-05D	35.5 - 45.5	5	26	29	22	15	7	14
MW-09S	4.0 - 14.0	0	0	0	0	0	0	0
MW-09I	30.0 - 40.0	--	0	--	--	--	0	0
MW-09I2	45.0 - 50.0	--	--	--	0	0	0	0
MW-09D	65.0 - 70.0	--	--	--	0	0	0	0
OU2MW-48S	3.0 - 13.0	--	--	8	6	0	0	0
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
OU2MW-49S	3.0 - 13.0	--	--	0	0	1	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	0	0	0	0
OZMW-16S	5.0 - 15.0	0	0	0	0	0	0	0
OZMW-16I	20.0 - 30.0	189	441	775	585	37	0	0
OZMW-16I2	35.0 - 45.0	2	12	92	686	468	464	558
OZMW-16D	55.0 - 65.0	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		
		Oct-Dec	Jan-Mar	Apr-Jun	July-Sep	Oct-Dec	Jan-Mar	Apr-Jun
OZMW-17S	5.0 - 15.0	25	141	17	337	35	0	0
OZMW-17I	20.0 - 30.0	40	74	42	67	9	0	0
OZMW-17I2	35.0 - 45.0	0	0	36	8	14	35	0
OZMW-17D	53.0 - 63.0	0	0	0	0	4	15	0
OZMW-18S	5.0 - 15.0	24	244	0	5	1	0	0
OZMW-18I	20.0 - 30.0	84	178	149	449	0	0	0
OZMW-18I2	35.0 - 45.0	123	129	50	104	63	7	5
OZMW-18D	55.0 - 65.0	147	216	94	389	612	384	424
OZMW-19S	5.0 - 15.0	--	--	--	--	391	0	86
OZMW-19I	20.0 - 30.0	--	--	--	--	1,143	992	973
OZMW-19I2	35.0 - 45.0	--	--	--	--	827	1,105	1,332
OZMW-19D	55.0 - 65.0	--	--	--	--	76	14	0
OZMW-21S	5.0 - 15.0	--	--	--	--	8,270	4,406	5,400
OZMW-21I	20.0 - 30.0	--	--	--	--	428	542	342
OZMW-21I2	35.0 - 45.0	--	--	--	--	145	134	115
OZMW-21D	55.0 - 65.0	--	--	--	--	10	6	14
OZMW-22S/22SR	5.0 - 15.0	6,074	11,947	5605	6,942	4,305	--	3,477
OZMW-22I/22IR	20.0 - 30.0	0	607	43	17	8	--	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
OZMW-23I	20.0 - 30.0	--	--	--	--	8	0	0
OZMW-23I2	35.0 - 45.0	--	--	--	--	11	1	0
OZMW-23D	55.0 - 65.0	--	--	--	--	20	33	24
OZMW-24S	5.0 - 15.0	--	--	--	--	25	13	13
OZMW-24I	20.0 - 30.0	--	--	--	--	22	0	0
OZMW-24I2	35.0 - 45.0	--	--	--	--	140	143	191
OZMW-24D	55.0 - 65.0	--	--	--	--	1,595	1,387	1,164
OZMW-25S	5.0 - 15.0	--	--	1,691	1,724	2,883	3,070	2,365
OZMW-25I	20.0 - 30.0	--	--	198	248	257	310	291
OZMW-25I2	35.0 - 45.0	--	--	91	177	158	141	196
OZMW-25D	55.0 - 65.0	--	--	0	0	0	0	0
OZMW-26S	5.0 - 15.0	--	--	--	--	44	18	5
OZMW-26I	20.0 - 30.0	--	--	--	--	9	0	0
OZMW-26I2	35.0 - 45.0	--	--	--	--	393	159	48
OZMW-26D	55.0 - 65.0	--	--	--	--	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)				
		Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
BBMW-05D	64.0 - 74.0	0	3,150	961	0	3,150
BBMW-05D2	126.5 - 136.5	0	16	5	0	16
BBMW-13D	62.0 - 72.0	0	0	0	0	2
BBMW-20S	4.0 - 14.0	173	19,133	8,973	173	19,133
BBMW-20I	35.0 - 45.0	0	193	60	0	193
BBMW-20D	62.0 - 72.0	1,359	9,639	3,569	1,359	9,639
BBMW-22S	5.0 - 10.0	5,816	25,800	12,519	5,816	25,800
BBMW-22I	30.0 - 40.0	0	199	55	0	257
BBMW-22D	64.0 - 74.0	921	8,600	3,180	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	1	0	0	1
BBMW-27I	30.0 - 40.0	0	0	0	0	0
BBMW-34S	5.0 - 15.0	634	885	756	634	885
BBMW-34I	25.0 - 30.0	2,360	3,547	3,005	2,360	3,547
BBMW-34I2	40.0 - 45.0	174	196	187	174	219
BBMW-34D	65.0 - 70.0	0	8	3	0	8
BBMW-36S	5.0 - 15.0	0	8	0	0	24
BBMW-36I	25.0 - 30.0	0	0	0	0	0
BBMW-38S	5.0 - 15.0	3	49	20	3	49
BBMW-38I	25.0 - 30.0	7	10	9	6	10
BBMW-38I2	40.0 - 45.0	7	8	7	6	8
BBMW-38D	65.0 - 70.0	0	0	0	0	0
BBMW-39S	5.0 - 15.0	5,970	9,755	8,102	3,341	9,755
BBMW-39I	25.0 - 30.0	0	0	0	0	210
BBMW-39I2	45.0 - 50.0	0	0	0	0	0
BBMW-39D	65.0 - 70.0	0	1	0	0	1
BBMW-40S	5.0 - 15.0	1	5,987	3,686	1	5,987
BBMW-40I	25.0 - 30.0	5	26	14	5	26
BBMW-40I2	45.0 - 50.0	0	3	1	0	3
BBMW-40D	70.0 - 75.0	4	37	20	0	37
BBMW-41S	6.0 - 16.0	2,192	6,819	4,473	2,192	6,819
BBMW-41I	25.0 - 30.0	0	0	0	0	0
BBMW-41I2	45.0 - 50.0	0	2	1	0	2
BBMW-41D	65.0 - 70.0	0	0	0	0	0
MW-03S	3.0 - 13.0	0	361	60	0	361
MW-03D	35.0 - 45.0	0	0	0	0	0
MW-05S	4.0 - 14.0	2,304	48,430	18,474	1,311	48,430
MW-05D	35.5 - 45.5	0	253	20	0	253
MW-09S	4.0 - 14.0	0	29	1	0	29
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	8	4	0	8
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
OU2MW-49S	3.0 - 13.0	0	1	0	0	1
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	0	0	0	0
OZMW-16S	5.0 - 15.0	0	4,685	521	0	4,685
OZMW-16I	20.0 - 30.0	0	775	309	0	775
OZMW-16I2	35.0 - 45.0	2	686	193	2	686
OZMW-16D	55.0 - 65.0	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)				
		Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
OZMW-17S	5.0 - 15.0	0	1,664	261	0	1,664
OZMW-17I	20.0 - 30.0	0	1,316	184	0	1,316
OZMW-17I2	35.0 - 45.0	0	36	10	0	36
OZMW-17D	53.0 - 63.0	0	15	2	0	15
OZMW-18S	5.0 - 15.0	0	3,160	411	0	3,160
OZMW-18I	20.0 - 30.0	0	3,600	517	0	3,600
OZMW-18I2	35.0 - 45.0	7	201	92	5	201
OZMW-18D	55.0 - 65.0	31	612	225	31	612
OZMW-19S	5.0 - 15.0	0	391	196	0	391
OZMW-19I	20.0 - 30.0	992	1,143	1,068	973	1,143
OZMW-19I2	35.0 - 45.0	827	1,105	966	827	1,332
OZMW-19D	55.0 - 65.0	14	76	45	0	76
OZMW-21S	5.0 - 15.0	4,406	8,270	6,338	4,406	8,270
OZMW-21I	20.0 - 30.0	428	542	485	342	542
OZMW-21I2	35.0 - 45.0	134	145	140	115	145
OZMW-21D	55.0 - 65.0	6	10	8	6	14
OZMW-22S/22SR	5.0 - 15.0	4,305	11,947	7,101	3,477	11,947
OZMW-22I/22IR	20.0 - 30.0	0	607	84	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	3	2	0	3
OZMW-23I	20.0 - 30.0	0	8	4	0	8
OZMW-23I2	35.0 - 45.0	1	11	6	0	11
OZMW-23D	55.0 - 65.0	20	33	27	20	33
OZMW-24S	5.0 - 15.0	13	25	19	13	25
OZMW-24I	20.0 - 30.0	0	22	11	0	22
OZMW-24I2	35.0 - 45.0	140	143	142	140	191
OZMW-24D	55.0 - 65.0	1,387	1,595	1,491	1,164	1,595
OZMW-25S	5.0 - 15.0	1,691	3,070	2,342	1,691	3,070
OZMW-25I	20.0 - 30.0	198	310	253	198	310
OZMW-25I2	35.0 - 45.0	91	177	142	91	196
OZMW-25D	55.0 - 65.0	0	0	0	0	0
OZMW-26S	5.0 - 15.0	18	44	31	5	44
OZMW-26I	20.0 - 30.0	0	9	5	0	9
OZMW-26I2	35.0 - 45.0	159	393	276	48	393
OZMW-26D	55.0 - 65.0	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					
		1992	1999		2002		
		Sept	Sept	Oct/Nov	Apr/May	June/July	Nov/Dec
BBMW-05D	64.0 - 74.0	--	--	3,249	4,181	--	2,247
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
BBMW-20I	35.0 - 45.0	--	--	--	7,134	--	7,900
BBMW-20D	62.0 - 72.0	--	--	--	14,594	--	7,300
BBMW-22S	5.0 - 10.0	--	--	--	3,954	--	3,700
BBMW-22I	30.0 - 40.0	--	--	--	8,810	--	8,000
BBMW-22D	64.0 - 74.0	--	--	--	11,436	--	8,808
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	--	--
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
MW-05D	35.5 - 45.5	4,292	3,959	4,944	2,501	--	4,560
MW-09S	4.0 - 14.0	0	--	0	--	0	74
MW-09I	30.0 - 40.0	--	--	--	--	--	--
MW-09I2	45.0 - 50.0	--	--	--	--	--	--
MW-09D	65.0 - 70.0	--	--	--	--	--	--
OU2MW-48S	3.0 - 13.0	--	--	--	--	--	--
OU2MW-48I	25.0 - 30.0	--	--	--	--	--	--
OU2MW-48I2	45.0 - 50.0	--	--	--	--	--	--
OU2MW-48D	65.0 - 70.0	--	--	--	--	--	--
OU2MW-49S	3.0 - 13.0	--	--	--	--	--	--
OU2MW-49I	25.0 - 30.0	--	--	--	--	--	--
OU2MW-49I2	45.0 - 50.0	--	--	--	--	--	--
OU2MW-49D	63.0 - 68.0	--	--	--	--	--	--
OZMW-16S	5.0 - 15.0	--	--	--	--	--	--
OZMW-16I	20.0 - 30.0	--	--	--	--	--	--
OZMW-16I2	35.0 - 45.0	--	--	--	--	--	--
OZMW-16D	55.0 - 65.0	--	--	--	--	--	--

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		
		Sept	Sept	Oct/Nov	Apr/May	June/July	Nov/Dec
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						
		2003			2004			
		Feb-Apr	Jul/Aug	Sept/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec
BBMW-05D	64.0 - 74.0	1,800	--	--	3,187	--	--	--
BBMW-05D2	126.5 - 136.5	--	--	--	--	--	--	--
BBMW-13D	62.0 - 72.0	--	--	--	0	--	--	--
BBMW-20S	4.0 - 14.0	15,000	--	--	3,408	--	1,758	--
BBMW-20I	35.0 - 45.0	7,400	--	--	6,939	--	6,956	--
BBMW-20D	62.0 - 72.0	--	--	--	--	--	--	--
BBMW-22S	5.0 - 10.0	2,500	3,608	--	2,400	2,042	4,460	4,780
BBMW-22I	30.0 - 40.0	3,500	--	--	7,240	--	--	--
BBMW-22D	64.0 - 74.0	5,300	--	--	145,100	--	--	--
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	--	120	20	0	28	25	0
MW-03D	35.0 - 45.0	--	--	--	184	--	--	--
MW-05S	4.0 - 14.0	1,600	--	--	2,783	--	--	--
MW-05D	35.5 - 45.5	2,600	--	--	3,214	--	--	--
MW-09S	4.0 - 14.0	0	--	--	0	--	--	0
MW-09I	30.0 - 40.0	--	--	--	--	--	--	--
MW-09I2	45.0 - 50.0	--	--	--	--	--	--	--
MW-09D	65.0 - 70.0	--	--	--	--	--	--	--
OU2MW-48S	3.0 - 13.0	--	--	--	--	--	--	--
OU2MW-48I	25.0 - 30.0	--	--	--	--	--	--	--
OU2MW-48I2	45.0 - 50.0	--	--	--	--	--	--	--
OU2MW-48D	65.0 - 70.0	--	--	--	--	--	--	--
OU2MW-49S	3.0 - 13.0	--	--	--	--	--	--	--
OU2MW-49I	25.0 - 30.0	--	--	--	--	--	--	--
OU2MW-49I2	45.0 - 50.0	--	--	--	--	--	--	--
OU2MW-49D	63.0 - 68.0	--	--	--	--	--	--	--
OZMW-16S	5.0 - 15.0	--	--	--	--	--	--	--
OZMW-16I	20.0 - 30.0	--	--	--	--	--	--	--
OZMW-16I2	35.0 - 45.0	--	--	--	--	--	--	--
OZMW-16D	55.0 - 65.0	--	--	--	--	--	--	--

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						
		2003			2004			
		Feb-Apr	Jul/Aug	Sept/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec
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						
		2005				2006		
		Feb/Mar	June	August	Nov/Dec	March	June	Jul/Aug
BBMW-05D	64.0 - 74.0	3,109	--	--	--	2,924	352	4,492
BBMW-05D2	126.5 - 136.5	--	--	--	--	0	--	--
BBMW-13D	62.0 - 72.0	0	--	--	--	0	--	--
BBMW-20S	4.0 - 14.0	--	--	--	2,483	--	--	1,365
BBMW-20I	35.0 - 45.0	--	--	--	8,636	--	--	7,722
BBMW-20D	62.0 - 72.0	--	--	--	--	--	--	--
BBMW-22S	5.0 - 10.0	2,640	143	4,549	--	4,131	2,214	--
BBMW-22I	30.0 - 40.0	5,865	--	--	--	7,114	--	--
BBMW-22D	64.0 - 74.0	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	21	0	25	11	0
MW-03D	35.0 - 45.0	--	--	--	--	0	--	--
MW-05S	4.0 - 14.0	2,144	--	--	--	2,220	1,647	2,493
MW-05D	35.5 - 45.5	2,842	--	--	--	2,456	435	1,984
MW-09S	4.0 - 14.0	--	--	--	--	0	--	--
MW-09I	30.0 - 40.0	--	--	--	--	0	--	--
MW-09I2	45.0 - 50.0	--	--	--	--	--	--	--
MW-09D	65.0 - 70.0	--	--	--	--	--	--	--
OU2MW-48S	3.0 - 13.0	--	--	--	--	--	--	--
OU2MW-48I	25.0 - 30.0	--	--	--	--	--	--	--
OU2MW-48I2	45.0 - 50.0	--	--	--	--	--	--	--
OU2MW-48D	65.0 - 70.0	--	--	--	--	--	--	--
OU2MW-49S	3.0 - 13.0	--	--	--	--	--	--	--
OU2MW-49I	25.0 - 30.0	--	--	--	--	--	--	--
OU2MW-49I2	45.0 - 50.0	--	--	--	--	--	--	--
OU2MW-49D	63.0 - 68.0	--	--	--	--	--	--	--
OZMW-16S	5.0 - 15.0	--	--	--	--	--	--	--
OZMW-16I	20.0 - 30.0	--	--	--	--	--	--	--
OZMW-16I2	35.0 - 45.0	--	--	--	--	--	--	--
OZMW-16D	55.0 - 65.0	--	--	--	--	--	--	--

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						
		2005				2006		
		Feb/Mar	June	August	Nov/Dec	March	June	Jul/Aug
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		
		Nov/Dec	March	May-July	Aug-Oct	Oct-Dec	Jan-Mar	Apr-July
BBMW-05D	64.0 - 74.0	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	2,179	1,819	1,343	860	--	--	--
BBMW-20I	35.0 - 45.0	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	--	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	0	0	0	9	0	0	0
MW-03D	35.0 - 45.0	--	0	0	0	2	0	--
MW-05S	4.0 - 14.0	1,652	1,647	1,294	1,630	1,431	1,699	144
MW-05D	35.5 - 45.5	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	--	--	--	--	--	--	--
OU2MW-49S	3.0 - 13.0	--	--	--	--	--	--	--
OU2MW-49I	25.0 - 30.0	--	--	--	--	--	--	--
OU2MW-49I2	45.0 - 50.0	--	--	--	--	--	--	--
OU2MW-49D	63.0 - 68.0	--	--	--	--	--	--	--
OZMW-16S	5.0 - 15.0	--	--	--	--	--	830	2
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

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		
		Nov/Dec	March	May-July	Aug-Oct	Oct-Dec	Jan-Mar	Apr-July
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	
		July-Sep	Oct-Dec	Jan-Mar	Apr-Jun	July-Sep	Oct-Dec	Jan-Mar
BBMW-05D	64.0 - 74.0	1,555	1,165	786	2,767	186	1,704	2,711
BBMW-05D2	126.5 - 136.5	--	--	0	--	--	--	--
BBMW-13D	62.0 - 72.0	--	--	0	--	--	--	0
BBMW-20S	4.0 - 14.0	--	--	0	--	--	--	--
BBMW-20I	35.0 - 45.0	348	165	1,150	137	657	78	157
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
BBMW-22I	30.0 - 40.0	4,686	4,680	4,949	6,539	4,155	5,071	5,634
BBMW-22D	64.0 - 74.0	6,442	5,681	5,140	8,539	5,411	3,812	4,425
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
BBMW-27I	30.0 - 40.0	--	--	0	0	--	--	0
BBMW-34S	5.0 - 15.0	--	--	--	--	969	524	612
BBMW-34I	25.0 - 30.0	--	--	--	--	2,223	1,887	3,283
BBMW-34I2	40.0 - 45.0	--	--	--	--	2,033	2,126	2,219
BBMW-34D	65.0 - 70.0	--	--	--	--	478	256	237
BBMW-36S	5.0 - 15.0	--	--	--	--	--	0	2
BBMW-36I	25.0 - 30.0	--	--	--	--	--	0	0
BBMW-38S	5.0 - 15.0	--	--	--	--	13	14	0
BBMW-38I	25.0 - 30.0	--	--	--	--	131	1,075	732
BBMW-38I2	40.0 - 45.0	--	--	--	--	706	931	211
BBMW-38D	65.0 - 70.0	--	--	--	--	0	0	0
BBMW-39S	5.0 - 15.0	--	--	--	--	914	488	1,627
BBMW-39I	25.0 - 30.0	--	--	--	--	45	1	0
BBMW-39I2	45.0 - 50.0	--	--	--	--	0	0	0
BBMW-39D	65.0 - 70.0	--	--	--	--	0	0	0
BBMW-40S	5.0 - 15.0	--	--	--	--	1,322	73	0
BBMW-40I	25.0 - 30.0	--	--	--	--	51	3	24
BBMW-40I2	45.0 - 50.0	--	--	--	--	0	0	0
BBMW-40D	70.0 - 75.0	--	--	--	--	0	0	0
BBMW-41S	6.0 - 16.0	--	--	--	--	3,264	623	1,532
BBMW-41I	25.0 - 30.0	--	--	--	--	0	0	0
BBMW-41I2	45.0 - 50.0	--	--	--	--	0	4	0
BBMW-41D	65.0 - 70.0	--	--	--	--	0	4	0
MW-03S	3.0 - 13.0	--	--	0	0	--	--	1
MW-03D	35.0 - 45.0	--	--	0	0	--	--	0
MW-05S	4.0 - 14.0	1,306	7	1052	1	226	1,879	2,080
MW-05D	35.5 - 45.5	1,988	107	232	9	138	711	809
MW-09S	4.0 - 14.0	0	0	0	0	0	0	0
MW-09I	30.0 - 40.0	--	--	0	--	--	--	0
MW-09I2	45.0 - 50.0	--	--	--	--	0	0	0
MW-09D	65.0 - 70.0	--	--	--	--	0	0	0
OU2MW-48S	3.0 - 13.0	--	--	--	3	4	0	0
OU2MW-48I	25.0 - 30.0	--	--	--	0	0	0	0
OU2MW-48I2	45.0 - 50.0	--	--	--	0	0	0	0
OU2MW-48D	65.0 - 70.0	--	--	--	0	0	0	0
OU2MW-49S	3.0 - 13.0	--	--	--	0	0	0	0
OU2MW-49I	25.0 - 30.0	--	--	--	0	0	0	0
OU2MW-49I2	45.0 - 50.0	--	--	--	0	0	0	0
OU2MW-49D	63.0 - 68.0	--	--	--	0	0	1	0
OZMW-16S	5.0 - 15.0	0	0	0	0	0	0	0
OZMW-16I	20.0 - 30.0	22	440	153	72	1,167	31	0
OZMW-16I2	35.0 - 45.0	0	159	6	178	2,002	2,844	160
OZMW-16D	55.0 - 65.0	0	0	0	0	1	1	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	
		July-Sep	Oct-Dec	Jan-Mar	Apr-Jun	July-Sep	Oct-Dec	Jan-Mar
OZMW-17S	5.0 - 15.0	0	0	0	0	0	1	0
OZMW-17I	20.0 - 30.0	0	0	0	12	0	3	0
OZMW-17I2	35.0 - 45.0	2	0	0	62	0	7	6
OZMW-17D	53.0 - 63.0	0	3	2	0	4	65	391
OZMW-18S	5.0 - 15.0	0	2	0	0	0	0	0
OZMW-18I	20.0 - 30.0	7	600	9	149	68	15	1
OZMW-18I2	35.0 - 45.0	11,417	10,065	7,728	8,917	10,984	7,375	676
OZMW-18D	55.0 - 65.0	0	1,279	435	1,166	1,586	2,031	1,515
OZMW-19S	5.0 - 15.0	--	--	--	--	--	409	44
OZMW-19I	20.0 - 30.0	--	--	--	--	--	4,299	2,849
OZMW-19I2	35.0 - 45.0	--	--	--	--	--	5,346	4,551
OZMW-19D	55.0 - 65.0	--	--	--	--	--	471	485
OZMW-21S	5.0 - 15.0	--	--	--	--	--	4,403	2,697
OZMW-21I	20.0 - 30.0	--	--	--	--	--	4,402	6,135
OZMW-21I2	35.0 - 45.0	--	--	--	--	--	4,012	5,131
OZMW-21D	55.0 - 65.0	--	--	--	--	--	952	933
OZMW-22S/22SR	5.0 - 15.0	1,449	1,684	1,850	971	2,406	1,108	--
OZMW-22I/22IR	20.0 - 30.0	1	0	95	0	3	7	--
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
OZMW-23I	20.0 - 30.0	--	--	--	--	--	0	0
OZMW-23I2	35.0 - 45.0	--	--	--	--	--	6	0
OZMW-23D	55.0 - 65.0	--	--	--	--	--	38	51
OZMW-24S	5.0 - 15.0	--	--	--	--	--	6	0
OZMW-24I	20.0 - 30.0	--	--	--	--	--	0	0
OZMW-24I2	35.0 - 45.0	--	--	--	--	--	4,805	5,033
OZMW-24D	55.0 - 65.0	--	--	--	--	--	5,323	4,857
OZMW-25S	5.0 - 15.0	--	--	--	4,595	3,968	3,480	2,919
OZMW-25I	20.0 - 30.0	--	--	--	3,276	849	4,046	3,756
OZMW-25I2	35.0 - 45.0	--	--	--	29	51	162	482
OZMW-25D	55.0 - 65.0	--	--	--	0	0	54	96
OZMW-26S	5.0 - 15.0	--	--	--	--	--	1	0
OZMW-26I	20.0 - 30.0	--	--	--	--	--	0	0
OZMW-26I2	35.0 - 45.0	--	--	--	--	--	60	23
OZMW-26D	55.0 - 65.0	--	--	--	--	--	0	7

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	Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2010 Apr-Jun					
BBMW-05D	64.0 - 74.0	1,400	40	4,492	1,981	40	4,492
BBMW-05D2	126.5 - 136.5	--	0	147	29	0	147
BBMW-13D	62.0 - 72.0	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	48	8,636	3,480	37	8,636
BBMW-20D	62.0 - 72.0	--	0	14,594	5,722	0	14,594
BBMW-22S	5.0 - 10.0	3,290	24	4,780	2,664	24	4,780
BBMW-22I	30.0 - 40.0	6,469	3,500	8,810	5,534	3,500	8,810
BBMW-22D	64.0 - 74.0	4,301	2,725	145,100	13,151	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	0	2	0	0	2
BBMW-27I	30.0 - 40.0	--	0	0	0	0	0
BBMW-34S	5.0 - 15.0	440	524	969	702	440	969
BBMW-34I	25.0 - 30.0	1,592	1,887	3,283	2,464	1,592	3,283
BBMW-34I2	40.0 - 45.0	1,643	2,033	2,219	2,126	1,643	2,219
BBMW-34D	65.0 - 70.0	148	237	478	324	148	478
BBMW-36S	5.0 - 15.0	2	0	2	1	0	2
BBMW-36I	25.0 - 30.0	0	0	0	0	0	0
BBMW-38S	5.0 - 15.0	25	0	14	9	0	25
BBMW-38I	25.0 - 30.0	660	131	1,075	646	131	1,075
BBMW-38I2	40.0 - 45.0	574	211	931	616	211	931
BBMW-38D	65.0 - 70.0	0	0	0	0	0	0
BBMW-39S	5.0 - 15.0	18	488	1,627	1,010	18	1,627
BBMW-39I	25.0 - 30.0	231	0	45	15	0	231
BBMW-39I2	45.0 - 50.0	0	0	0	0	0	0
BBMW-39D	65.0 - 70.0	0	0	0	0	0	0
BBMW-40S	5.0 - 15.0	0	0	1,322	465	0	1,322
BBMW-40I	25.0 - 30.0	8	3	51	26	3	51
BBMW-40I2	45.0 - 50.0	0	0	0	0	0	0
BBMW-40D	70.0 - 75.0	0	0	0	0	0	0
BBMW-41S	6.0 - 16.0	5	623	3,264	1,806	5	3,264
BBMW-41I	25.0 - 30.0	0	0	0	0	0	0
BBMW-41I2	45.0 - 50.0	0	0	4	1	0	4
BBMW-41D	65.0 - 70.0	0	0	4	1	0	4
MW-03S	3.0 - 13.0	0	0	1,425	93	0	1,425
MW-03D	35.0 - 45.0	0	0	184	13	0	184
MW-05S	4.0 - 14.0	309	1	5,514	1,782	1	5,514
MW-05D	35.5 - 45.5	742	9	4,944	1,840	9	4,944
MW-09S	4.0 - 14.0	0	0	74	4	0	74
MW-09I	30.0 - 40.0	0	0	4	1	0	4
MW-09I2	45.0 - 50.0	0	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	4	2	0	4
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
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	1
OZMW-16S	5.0 - 15.0	0	0	830	92	0	830
OZMW-16I	20.0 - 30.0	0	0	1,447	375	0	1,447
OZMW-16I2	35.0 - 45.0	809	0	2,844	619	0	2,844
OZMW-16D	55.0 - 65.0	0	0	1	0	0	1

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	Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2010 Apr-Jun					
OZMW-17S	5.0 - 15.0	0	0	1,963	218	0	1,963
OZMW-17I	20.0 - 30.0	0	0	5,197	580	0	5,197
OZMW-17I2	35.0 - 45.0	0	0	62	9	0	62
OZMW-17D	53.0 - 63.0	12	0	391	55	0	391
OZMW-18S	5.0 - 15.0	0	0	569	65	0	569
OZMW-18I	20.0 - 30.0	0	1	2,312	421	0	2,312
OZMW-18I2	35.0 - 45.0	88	676	11,417	8,077	88	11,417
OZMW-18D	55.0 - 65.0	629	0	2,031	1,129	0	2,031
OZMW-19S	5.0 - 15.0	74	44	409	227	44	409
OZMW-19I	20.0 - 30.0	2,632	2,849	4,299	3,574	2,632	4,299
OZMW-19I2	35.0 - 45.0	1,409	4,551	5,346	4,949	1,409	5,346
OZMW-19D	55.0 - 65.0	0	471	485	478	0	485
OZMW-21S	5.0 - 15.0	3,466	2,697	4,403	3,550	2,697	4,403
OZMW-21I	20.0 - 30.0	5,202	4,402	6,135	5,269	4,402	6,135
OZMW-21I2	35.0 - 45.0	4,742	4,012	5,131	4,572	4,012	5,131
OZMW-21D	55.0 - 65.0	707	933	952	943	707	952
OZMW-22S/22SR	5.0 - 15.0	1,347	971	2,555	1,777	971	2,555
OZMW-22I/22IR	20.0 - 30.0	220	0	95	13	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	1	0	25	13	0	25
OZMW-23I	20.0 - 30.0	0	0	0	0	0	0
OZMW-23I2	35.0 - 45.0	0	0	6	3	0	6
OZMW-23D	55.0 - 65.0	26	38	51	45	26	51
OZMW-24S	5.0 - 15.0	160	0	6	3	0	160
OZMW-24I	20.0 - 30.0	0	0	0	0	0	0
OZMW-24I2	35.0 - 45.0	5,122	4,805	5,033	4,919	4,805	5,122
OZMW-24D	55.0 - 65.0	5,198	4,857	5,323	5,090	4,857	5,323
OZMW-25S	5.0 - 15.0	3,550	2,919	4,595	3,741	2,919	4,595
OZMW-25I	20.0 - 30.0	3,252	849	4,046	2,982	849	4,046
OZMW-25I2	35.0 - 45.0	730	29	482	181	29	730
OZMW-25D	55.0 - 65.0	33	0	96	38	0	96
OZMW-26S	5.0 - 15.0	0	0	1	1	0	1
OZMW-26I	20.0 - 30.0	0	0	0	0	0	0
OZMW-26I2	35.0 - 45.0	0	23	60	42	0	60
OZMW-26D	55.0 - 65.0	0	0	7	4	0	7

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	OU1	OU1	OU1	OU1	
Sample Name:	NYS	BBMW-05D	BBMW-13D	BBMW-20I	BBMW-22S	BBMW-22D	BBMW-27S	MW-03S	MW-03D	MW-05S	MW-05D	MW-09S	MW-09I	MW-09I2	MW-09D	
Screened Interval:	AWQS	64-74 ft	62-72 ft	35-45 ft	5-10 ft	64-74 ft	5-15 ft	3-13 ft	35-45 ft	4-14 ft	35.5-45.5 ft	4-14 ft	30-40 ft	45-50 ft	65-70 ft	
Sample Date:		5/25/2010	5/18/2010	5/21/2010	5/25/2010	5/25/2010	4/30/2010	5/18/2010	5/18/2010	5/25/2010	5/25/2010	4/30/2010	4/30/2010	4/30/2010	4/30/2010	
BTEX (ug/L)																
Benzene	1	18	10 U	2 J	820	3 J	10 U	10 U	10 U	4 J	11	10 U	10 U	10 U	10 U	
Toluene	5	260	10 U	10 U	760	520	10 U	10 U	10 U	7	10 U	10 U	10 U	10 U	10 U	
Ethylbenzene	5	85	10 U	10 U	3400	170	10 U	1 J	10 U	520	10 U	10 U	10 U	10 U	10 U	
Xylene, total	5	530	2 J	8 J	4300	1200	10 U	6 J	10 U	780	3 J	10 U	10 U	10 U	10 U	
Total BTEX	NE	893	2	10	9280	1893	ND	7	ND	1311	14	ND	ND	ND	ND	
Other VOCs (ug/L)																
Methyl tert-butyl ether	10*	10 U	10 U	4 J	3 J	10 U	10 U	10 U	2 J	10 U	73	10 U	10 U	10 U	10 U	
Non-carcinogenic PAHs (ug/L)																
Acenaphthene	20*	3 J	10 U	3 J	63	12	10 U	10 U	10 U	5	16	10 U	10 U	10 U	10 U	
Acenaphthylene	NE	45	10 U	20	120 J	140 J	10 U	10 U	10 U	2 J	200	10 U	10 U	10 U	10 U	
Anthracene	50*	4 J	10 U	10 U	8	12	10 U	10 U	10 U	10 U	6	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*	2 J	10 U	10 U	3 J	4 J	10 U	10 U	10 U	10 U	2 J	10 U	10 U	10 U	10 U	
Fluorene	50*	9	10 U	5	48	40	10 U	10 U	10 U	2 J	41	10 U	10 U	10 U	10 U	
Methylnaphthalene, 2-	NE	110	10 U	5	500	530	10 U	10 U	10 U	28	400	10 U	10 U	10 U	10 U	
Naphthalene	10*	1200	10 U	4 J	2500	3500	10 U	10 U	10 U	270	40	10 U	10 U	10 U	10 U	
Phenanthrene	50*	24	10 U	10 U	44	56	10 U	10 U	10 U	2 J	34	10 U	10 U	10 U	10 U	
Pyrene	50*	3 J	10 U	10 U	4 J	7	10 U	10 U	10 U	10 U	3 J	10 U	10 U	10 U	10 U	
Total Non-carcinogenic PAHs	NE	1400	ND	37	3290	4301	ND	ND	ND	309	742	ND	ND	ND	ND	
Carcinogenic PAHs (ug/L)																
Benzo[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo[a]pyrene	0	10 U	10 U	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	1400	ND	37	3290	4301	ND	ND	ND	309	742	ND	ND	ND	ND	

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-22I	BBMW-34S	BBMW-34I	BBMW-34I2	BBMW-34D	BBMW-36S	BBMW-36I	BBMW-38S	BBMW-38I	BBMW-38I2	BBMW-38D	BBMW-39S	BBMW-39I	BBMW-39I2	
Screened Interval:	AWQS	20-30 ft	5-15 ft	25-30 ft	40-45 ft	65-70 ft	5-15 ft	25-30 ft	5-15 ft	25-30 ft	40-45 ft	65-70 ft	5-15 ft	25-30 ft	45-50 ft	
Sample Date:		5/21/2010	4/26/2010	4/23/2010	4/23/2010	4/26/2010	4/27/2010	4/27/2010	4/26/2010	4/26/2010	4/26/2010	4/26/2010	4/16/2010	4/16/2010	4/16/2010	
Parent Sample:																
BTEX (ug/L)																
Benzene	1	220 J	140	210 J	25	10 U	10 U	10 U	2 J	1 J	4 J	10 U	2400	150	10 U	
Toluene	5	12	14	34	4 J	10 U	10 U	10 U	10 U	2 J	10 U	10 U	11	23	10 U	
Ethylbenzene	5	10	400	1200	97	10 U	13	10 U	1 J	10 U	10 U	10 U	580	9	10 U	
Xylene, m,p-	5	10	46	870	60	10 U	3 J	10 U	10 U	3 J	10 U	10 U	110	6 J	10 U	
Xylene, o-	5	5	96	400	33	10 U	8	10 U	1 J	2 J	10 U	10 U	240 J	22	10 U	
Total BTEX	NE	257	696	2714	219	ND	24	ND	4	6	6	ND	3341	210	ND	
Other VOCs (ug/L)																
Acetaldehyde	8*	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	
Acetone	50*	10 U	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	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 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	
Bromomethane	5	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 UJ	10 U	
Butadiene, 1,3-	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	
Butanone, 2-	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 UJ	10 U	
Carbon disulfide	60*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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 UJ	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	35	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 UJ	10 U	10 UJ	
Cryofluorane	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 U	
Cyclohexane	NE	10 U	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	9	1 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 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 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Dichloroethane, 1,2-	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	
Dichloroethane, 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	R	
Ethanol	NE	R	R	R	R	R	500 U	R	R	R	R	R	R	R	R	
Heptane, n-	NE	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	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 UJ	10 U	10 UJ	
Hexane, n-	NE	10 U	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3 J	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 UJ	10 U	
Isopropyl benzene	5	48	31	31	6	10 U	8	10 U	10 U	10 U	10 U	10 U	40	1 J	10 U	
Methyl tert-butyl ether	10*	25	11 J	10 U	5	10 UJ	10 U	10 U	3 J	10 UJ	9 J	10 UJ	10 U	10 U	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*	6800	610	1300	450	11	2 J	10 U	1 J	210	300	10 U	780	140	10 U	
Propanol, 2-	NE	R	R	R	R	R	500 U	500 U	R	R	R	R	R	R	R	
Propylbenzene, n-	5	28	11	11	3 J	10 U	7	10 U	10 U	10 U	10 U	10 U	11	10 U	10 U	
Styrene	5	12	10 U	10 U	12	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J	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	BBMW-22I	BBMW-34S	BBMW-34I	BBMW-34I2	BBMW-34D	BBMW-36S	BBMW-36I	BBMW-38S	BBMW-38I	BBMW-38I2	BBMW-38D	BBMW-39S	BBMW-39I	BBMW-39I2	
Screened Interval:	AWQS	20-30 ft	5-15 ft	25-30 ft	40-45 ft	65-70 ft	5-15 ft	25-30 ft	5-15 ft	25-30 ft	40-45 ft	65-70 ft	5-15 ft	25-30 ft	45-50 ft	
Sample Date:		5/21/2010	4/26/2010	4/23/2010	4/23/2010	4/26/2010	4/27/2010	4/27/2010	4/26/2010	4/26/2010	4/26/2010	4/26/2010	4/16/2010	4/16/2010	4/16/2010	
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	3 J	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	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 UJ	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 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	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	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	
Trichlorofluoromethane	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	10 U	
Trimethylbenzene 1,3,5-/P-ethyltoluene	NE	340	49	130	34	10 U	6	10 U	10 U	6	6	10 U	88	3 J	10 U	
Trimethylbenzene, 1,2,4-	5	390 J	170	180	41	10 U	12	10 U	10 U	10	11	10 U	190 J	7	10 U	
Trimethylpentane, 2,2,4-	NE	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	10 U	
Vinyl acetate	NE	10 UJ	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	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*	220 J	65	160	170	3 J	2 J	10 U	4 J	17	14	10 U	15	29	10 U	
Acenaphthylene	NE	17	2 J	87 J	45	9	10 U	10 U	6	160	130	10 U	10 U	66	10 U	
Anthracene	50*	9	5	12	13	6	10 U	10 U	3 J	18	12	10 U	10 U	8	10 U	
Benzo[g,h,i]perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Fluoranthene	50*	2 J	3 J	3 J	3 J	5	10 U	10 U	2 J	5	3 J	10 U	10 U	10 U	10 U	
Fluorene	50*	57	31	53	53	19	10 U	10 U	10 U	71	58	10 U	3 J	25	10 U	
Methylnaphthalene, 2-	NE	1400	10 U	900	950	45	10 U	10 U	10 U	240	240	10 U	10 U	16	10 U	
Naphthalene	10*	4700	300	320	350	6	10 U	10 U	10 U	50	50	10 U	10 U	40	10 U	
Phenanthrene	50*	61	31	53	55	47	10 U	10 U	8	91	62	10 U	10 U	45	10 U	
Pyrene	50*	3 J	3 J	4 J	4 J	7	10 U	10 U	2 J	8	5	10 U	10 U	2 J	10 U	
Total Non-carcinogenic PAHs	NE	6469	440	1592	1643	147	2	ND	25	660	574	ND	18	231	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	0	10 U	10 U	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 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	
Chrysene	0.002*	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	
Dibenzo[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	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Total PAHs (ug/L)																
Total PAHs	NE	6469	440	1592	1643	148	2	ND	25	660	574	ND	18	231	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	

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-22I	BBMW-34S	BBMW-34I	BBMW-34I2	BBMW-34D	BBMW-36S	BBMW-36I	BBMW-38S	BBMW-38I	BBMW-38I2	BBMW-38D	BBMW-39S	BBMW-39I	BBMW-39I2	
Screened Interval:	AWQS	20-30 ft	5-15 ft	25-30 ft	40-45 ft	65-70 ft	5-15 ft	25-30 ft	5-15 ft	25-30 ft	40-45 ft	65-70 ft	5-15 ft	25-30 ft	45-50 ft	
Sample Date:		5/21/2010	4/26/2010	4/23/2010	4/23/2010	4/26/2010	4/27/2010	4/27/2010	4/26/2010	4/26/2010	4/26/2010	4/26/2010	4/16/2010	4/16/2010	4/16/2010	
Parent Sample:																
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	
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	
Other (cfu/ml)																
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Other (ug/L)																
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	

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-39D	BBMW-40S	BBMW-40I	BBMW-40I2	DUP-06 Q2	BBMW-40D	BBMW-41S	BBMW-41I	BBMW-41I2	BBMW-41D	OU2MW-48S	OU2MW-48I	OU2MW-48I2	OU2MW-48D	
Screened Interval:	AWQS	65-70 ft	5-15 ft	25-30 ft	45-50 ft	45-50 ft	70-75 ft	6-16 ft	25-30 ft	45-50 ft	65-70 ft	3-13 ft	25-30 ft	45-50 ft	65-70 ft	
Sample Date:		4/16/2010	4/22/2010	4/22/2010	4/22/2010	4/22/2010	4/22/2010	4/16/2010	4/16/2010	4/16/2010	4/16/2010	5/24/2010	5/24/2010	5/24/2010	5/24/2010	
Parent Sample:						BBMW-40I2										
BTEX (ug/L)																
Benzene	1	10 U	6	8	10 U	10 U	10 U	3 J	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	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	5	10 U	2 J	10 U	10 U	10 U	10 U	1400	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene, m,p-	5	10 U	10 U	1 J	10 U	10 U	10 U	1600	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene, o-	5	10 U	2 J	3 J	10 U	10 U	10 U	760	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total BTEX	NE	ND	10	12	ND	ND	ND	3773	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 UJ	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 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
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 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Bromomethane	5	10 UJ	10 UJ	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
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 UJ	10 UJ	10 UJ	10 UJ	10 UJ
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	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 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
Chloroform	7	10 U	10 U	10 U	15	14	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloromethane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorotoluene	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	10 U
Cryofluorane	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 UJ	10 UJ
Cyclohexane	NE	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
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	1 J	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 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Dichloroethane, 1,1-	5	10 U	10 U	10 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
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
Dichloroethane, 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	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Ethanol	NE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Heptane, n-	NE	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	10 U	10 U
Hexachlorobutadiene	0.5	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	10 U
Hexane, n-	NE	10 U	10 U	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
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	10 U
Isopropyl benzene	5	10 U	10 U	10 U	10 U	10 U	10 U	81	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl tert-butyl ether	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	4 J	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	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	6	4 J	10 U	1 J	2 J	2300	10 U	10 U	10 U	10 U	2 J	1 J	1 J	10 U
Propanol, 2-	NE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Propylbenzene, n-	5	10 U	10 U	10 U	10 U	10 U	10 U	37	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	33	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:	NYS	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	
Sample Name:	AWQS	BBMW-39D	BBMW-40S	BBMW-40I	BBMW-40I2	DUP-06 Q2	BBMW-40D	BBMW-41S	BBMW-41I	BBMW-41I2	BBMW-41D	OU2MW-48S	OU2MW-48I	OU2MW-48I2	OU2MW-48D	
Screened Interval:		65-70 ft	5-15 ft	25-30 ft	45-50 ft	45-50 ft	70-75 ft	6-16 ft	25-30 ft	45-50 ft	65-70 ft	3-13 ft	25-30 ft	45-50 ft	65-70 ft	
Sample Date:		4/16/2010	4/22/2010	4/22/2010	4/22/2010	4/22/2010	4/22/2010	4/16/2010	4/16/2010	4/16/2010	4/16/2010	5/24/2010	5/24/2010	5/24/2010	5/24/2010	
Parent Sample:						BBMW-40I2										
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 UJ	10 UJ	10 U	10 UJ	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 UJ	10 UJ	10 UJ	10 U	10 UJ	10 UJ	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 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Trimethylbenzene 1,3,5-/P-ethyltoluene	NE	10 U	10 U	3 J	10 U	10 U	10 U	490 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Trimethylbenzene, 1,2,4-	5	10 U	1 J	4 J	10 U	10 U	10 U	490 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Trimethylpentane, 2,2,4-	NE	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	9	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 UJ	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 U	10 U	10 U	
Non-carcinogenic PAHs (ug/L)																
Acenaphthene	20*	10 U	10 U	5	10 U	10 U	10 U	1 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo[g,h,i]perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Methylnaphthalene, 2-	NE	10 U	10 U	10 U	10 U	10 U	10 U	2 J	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	2 J	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	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 Non-carcinogenic PAHs	NE	ND	ND	8	ND	ND	ND	5	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	
Benz[a]pyrene	0	10 U	10 U	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	8	ND	ND	ND	5	ND	ND	ND	ND	ND	ND	ND	
Total Metals (ug/L)																
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	44.7 UJ	22.1 UJ	17.6 UJ	1310	
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.9 U	2.9 U	2.9 U	2.9 U	
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	16.0 J	26.9 J	19.4 J	13.2 J	
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.17 U	0.17 U	0.17 U	0.17 U	
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.33 U	0.33 U	0.33 U	0.33 U	
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	37900	19600	17200	2820 J	
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.3 U	2.3 U	2.3 U	2.3 U	
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.4 U	1.4 U	1.7 J	1.4 U	
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.7 J	1.8 J	0.64 U	4.4 J	
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	162	19.4 J	16.9 J	2550	
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.3 U	1.3 U	2.0 UJ	2.7 UJ	

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-39D	BBMW-40S	BBMW-40I	BBMW-40I2	DUP-06 Q2	BBMW-40D	BBMW-41S	BBMW-41I	BBMW-41I2	BBMW-41D	OU2MW-48S	OU2MW-48I	OU2MW-48I2	OU2MW-48D	
Screened Interval:	AWQS	65-70 ft	5-15 ft	25-30 ft	45-50 ft	45-50 ft	70-75 ft	6-16 ft	25-30 ft	45-50 ft	65-70 ft	3-13 ft	25-30 ft	45-50 ft	65-70 ft	
Sample Date:		4/16/2010	4/22/2010	4/22/2010	4/22/2010	4/22/2010	4/22/2010	4/16/2010	4/16/2010	4/16/2010	4/16/2010	5/24/2010	5/24/2010	5/24/2010	5/24/2010	
Parent Sample:						BBMW-40I2										
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1840 J	3720 J	4410 J	1530 J	
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25.5	226	9890	88.1	
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.10 U	0.10 U	0.10 U	0.10 U	
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.5 U	1.5 U	1.7 J	3.0 J	
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3460 J	3460 J	3280 J	1240 J	
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.8 U	2.8 U	2.8 U	2.8 U	
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.32 UJ	0.32 UJ	0.41 J	0.32 UJ	
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9650 J	44000 J	40000 J	7270 J	
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.0 U	3.0 U	3.0 U	3.0 U	
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.1 U	1.1 U	1.1 U	3.1 J	
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.9 U	21.4 U	11.9 UJ	40.0 U	
Other (ug/L)																
Alkalinity	NE	NA	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	140	100 U	220	100 U	
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7630	560	260	100 U	
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100 U	100 U	100 U	100 U	
Nitrogen, Total	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8260	670	670	390	
Nitrogen, Total Kjeldahl	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	630	110	410	390	
Other (cfu/ml)																
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	270	82	55	74	
Other (ug/L)																
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	14100 J	23000 J	17700 J	10200 J	
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2000 U	2000 U	2000 U	2000 U	
Total Phosphorous	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	50 U	50 U	50 U	60	

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
Sample Name:	NYS	OU2MW-49S	OU2MW-49I	OU2MW-49I2	OU2MW-49D	OZMW-16S	OZMW-16S	OZMW-16S	OZMW-16I	OZMW-16I	OZMW-16I	OZMW-16I2
Screened Interval:	AWQS	3-13 ft	25-30 ft	45-50 ft	63-68 ft	5-15 ft	5-15 ft	5-15 ft	20-30 ft	20-30 ft	20-30 ft	35-45 ft
Sample Date:		5/24/2010	5/24/2010	5/24/2010	5/24/2010	4/12/2010	5/11/2010	6/10/2010	4/12/2010	5/11/2010	6/10/2010	4/12/2010
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	55
Toluene	5	10 U	10 U	10 U	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	10 U	10 U	10 U	10 U	10 U	180
Xylene, m,p-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	83
Xylene, o-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	120
Total BTEX	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	441
Other VOCs (ug/L)												
Acetaldehyde	8*	10 U	10 U	10 U	10 U	R	10 U	10 UJ	R	10 U	10 UJ	R
Acetone	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	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
Bromodichloromethane	50*	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 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U
Bromomethane	5	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ
Butadiene, 1,3-	NE	10 UJ	10 UJ	10 UJ	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 UJ	10 U	10 U	10 UJ	10 U
Carbon disulfide	60*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
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
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	5	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 UJ
Chloroform	7	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloromethane	5	10 U	10 U	10 U	10 U	10 UJ	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
Cryofluorane	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U
Cyclohexane	NE	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	1 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
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
Dichlorobenzene, 1,2-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene, 1,3-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene, 1,4-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	5	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	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
Dichloroethane, 1,2-	0.6	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene, 1,1-	0.07	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene, cis-1,2-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloropropane, 1,2-	1	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
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
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
Dioxane, 1,4-	NE	R	R	R	R	R	R	R	R	R	R	R
Ethanol	NE	R	R	R	R	R	R	R	R	R	R	R
Heptane, n-	NE	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 UJ	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 UJ	10 U
Hexane, n-	NE	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	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
Isopropyl benzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	9
Methyl tert-butyl ether	10*	10 U	10 U	8	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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
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
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J	480
Propanol, 2-	NE	R	R	R	R	R	R	R	R	R	R	R
Propylbenzene, n-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J
Styrene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3 J

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
Sample Name:	NYS	OU2MW-49S	OU2MW-49I	OU2MW-49I2	OU2MW-49D	OZMW-16S	OZMW-16S	OZMW-16S	OZMW-16I	OZMW-16I	OZMW-16I	OZMW-16I2
Screened Interval:	AWQS	3-13 ft	25-30 ft	45-50 ft	63-68 ft	5-15 ft	5-15 ft	5-15 ft	20-30 ft	20-30 ft	20-30 ft	35-45 ft
Sample Date:		5/24/2010	5/24/2010	5/24/2010	5/24/2010	4/12/2010	5/11/2010	6/10/2010	4/12/2010	5/11/2010	6/10/2010	4/12/2010
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
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
Tetrachloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrahydrofuran	50*	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 UJ	10 U	10 U
Trans-1,2-dichloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	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 UJ	10 U	10 U	10 UJ	10 U
Trichlorobenzene, 1,2,4-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	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
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
Trichloroethene	5	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 UJ	10 U	10 U	10 UJ	10 U	10 U
Trimethylbenzene 1,3,5-/P-ethyltoluene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	24
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	40
Trimethylpentane, 2,2,4-	NE	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U
Vinyl acetate	NE	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U	10 U	10 UJ	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
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	8
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	9
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[g,h,i]perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	6
Methylnaphthalene, 2-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	160
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3 J
Pyrene	50*	10 U	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	ND	ND	ND	ND	ND	ND	ND	ND	197
Carcinogenic PAHs (ug/L)												
Benzo[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene	0	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz[a,h]anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total Carcinogenic PAHs	NE	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	ND	ND	197
Total Metals (ug/L)												
Aluminum	NE	36.1 UJ	23.9 UJ	27.3 UJ	20.7 UJ	NA	NA	NA	NA	NA	NA	NA
Antimony	3	3.6 J	2.9 U	2.9 U	2.9 U	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA
Barium	1000	6.5 J	15.1 J	12.5 J	6.2 J	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	0.17 U	0.17 U	0.17 U	0.17 U	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	0.33 U	0.33 U	0.33 U	0.33 U	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	27600	19500	13700	4460 J	NA	NA	NA	NA	NA	NA	NA
Chromium	50	2.3 U	2.3 U	2.3 U	2.3 U	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	1.4 U	1.4 U	2.6 J	1.4 U	NA	NA	NA	NA	NA	NA	NA
Copper	200	5.0 J	0.64 U	0.64 U	0.78 J	NA	NA	NA	NA	NA	NA	NA
Iron	300	993	22.2 J	22.3 J	4840	NA	NA	NA	NA	NA	NA	NA
Lead	25	1.3 U	1.8 UJ	27.2	1.3 U	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
Sample Name:	NYS	OU2MW-49S	OU2MW-49I	OU2MW-49I2	OU2MW-49D	OZMW-16S	OZMW-16S	OZMW-16S	OZMW-16I	OZMW-16I	OZMW-16I	OZMW-16I2
Screened Interval:	AWQS	3-13 ft	25-30 ft	45-50 ft	63-68 ft	5-15 ft	5-15 ft	5-15 ft	20-30 ft	20-30 ft	20-30 ft	35-45 ft
Sample Date:		5/24/2010	5/24/2010	5/24/2010	5/24/2010	4/12/2010	5/11/2010	6/10/2010	4/12/2010	5/11/2010	6/10/2010	4/12/2010
Parent Sample:												
Magnesium	35000*	3480 J	4080 J	2850 J	1690 J	NA	NA	NA	NA	NA	NA	NA
Manganese	300	25.2	927	11300	65.4	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	0.10 U	0.10 U	0.10 U	0.10 U	NA	NA	NA	NA	NA	NA	NA
Nickel	100	1.8 J	1.5 U	1.8 J	1.9 J	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	3000 J	2800 J	2640 J	1180 J	NA	NA	NA	NA	NA	NA	NA
Selenium	10	3.5 J	2.8 U	2.8 U	2.8 U	NA	NA	NA	NA	NA	NA	NA
Silver	50	0.32 UJ	0.32 UJ	0.35 J	0.32 UJ	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	4270 J	39400 J	23800 J	8260 J	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	3.0 U	3.0 U	3.0 U	3.0 U	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	7.0 J	1.1 U	1.1 U	1.1 U	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	54.1 U	76.7 U	20.2 U	58.1 U	NA	NA	NA	NA	NA	NA	NA
Other (ug/L)												
Alkalinity	NE	NA	NA	NA	NA	49400	66900	68600	186000	175000	163000	5650
Nitrogen, Ammonia	2000	120	250	240	100	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	1210	590	1640	100 U	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	100 U	100 U	100 U	100 U	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Total	NE	1770	1020	1850	230	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Total Kjeldahl	NE	560	430	210	230	NA	NA	NA	NA	NA	NA	NA
Other (cfu/ml)												
Standard Plate Count	NE	30	42	99	130	NA	NA	NA	NA	NA	NA	NA
Other (ug/L)												
Sulfate	250000	18400 J	16200 J	23600 J	13100 J	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	2000 U	2000 U	2000 U	2000 U	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	220	50 U	50 U	50 U	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:	NYS	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	
Sample Name:	AWQS	OZMW-16I2	DUP-01 OZ	OZMW-16I2	OZMW-16D	OZMW-16D	OZMW-16D	OZMW-17S	OZMW-17S	OZMW-17S	OZMW-17I	OZMW-17I	OZMW-17I	OZMW-17I2	DUP-01 OZ	
Screened Interval:		35-45 ft	35-45 ft	35-45 ft	55-65 ft	55-65 ft	55-65 ft	5-15 ft	5-15 ft	5-15 ft	20-30 ft	20-30 ft	20-30 ft	35-45 ft	35-45 ft	
Sample Date:		5/11/2010	5/11/2010	6/10/2010	4/12/2010	5/11/2010	6/10/2010	4/13/2010	5/17/2010	6/14/2010	4/13/2010	5/17/2010	6/14/2010	4/13/2010	4/13/2010	
Parent Sample:			OZMW-16I2												OZMW-17I2	
BTEX (ug/L)																
Benzene	1	120	130	96	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	4 J	4 J
Toluene	5	9	9	12	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	67	69	200	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	170	190	150	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	94	98	100	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	4 J	5
Total BTEX	NE	460	496	558	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8	9
Other VOCs (ug/L)																
Acetaldehyde	8*	10 U	10 U	10 UJ	R	10 U	10 UJ	R	10 U	10 U	10 U	R	10 U	10 UJ	R	R
Acetone	50*	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 UJ	10 U	10 U
Allyl chloride	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	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 UJ	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U
Bromomethane	5	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	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 UJ	10 U	10 UJ	10 UJ	10 UJ	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 U	10 U	10 U	10 UJ	10 UJ	10 U	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	10 U	10 UJ	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 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
Chloroform	7	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloromethane	5	10 U	10 U	10 U	10 UJ	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 UJ	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U
Cyclohexane	NE	4 J	4 J	5 J	10 U	10 UJ	10 UJ	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	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 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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	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	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Ethanol	NE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Heptane, n-	NE	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 UJ
Hexachlorobutadiene	0.5	10 U	10 U	10 UJ	10 U	10 U	10 UJ	R	10 U	10 J	R	10 U	10 U	10 U	R	10 UJ
Hexane, n-	NE	8 J	10 J	6 J	10 U	10 UJ	10 UJ	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 UJ	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isopropyl benzene	5	13	12	18	10 U	10 U	10 U	10 U	10 U	10 J	10 U	10 U	10 U	10 U	2 J	2 J
Methyl tert-butyl ether	10*	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	2 J	1 J	10 U	10 U	10 U
Methyl-2-pentanone, 4-	NE	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	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*	2200	2100	2400	10 U	10 U	10 U	10 U	10 U	10 J	10 U	10 U	10 U	10 U	48	55
Propanol, 2-	NE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Propylbenzene, n-	5	11	10	12 J	10 U	10 U	10 UJ	10 U	10 U	10 J	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	5	41	44	19	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:	NYS	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	
Sample Name:	AWQS	OZMW-16I2	DUP-01 OZ	OZMW-16I2	OZMW-16D	OZMW-16D	OZMW-16D	OZMW-17S	OZMW-17S	OZMW-17S	OZMW-17I	OZMW-17I	OZMW-17I	OZMW-17I2	DUP-01 OZ	
Screened Interval:		35-45 ft	35-45 ft	35-45 ft	55-65 ft	55-65 ft	55-65 ft	5-15 ft	5-15 ft	5-15 ft	20-30 ft	20-30 ft	20-30 ft	35-45 ft	35-45 ft	
Sample Date:		5/11/2010	5/11/2010	6/10/2010	4/12/2010	5/11/2010	6/10/2010	4/13/2010	5/17/2010	6/14/2010	4/13/2010	5/17/2010	6/14/2010	4/13/2010	4/13/2010	
Parent Sample:			OZMW-16I2												OZMW-17I2	
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 UJ	10 UJ	10 UJ	10 U	10 UJ	10 UJ	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	
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 U	10 U	10 UJ	10 U	10 UJ	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 J	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 UJ	10 UJ	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	
Trimethylbenzene 1,3,5-/P-ethyltoluene	NE	97	85	120 J	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Trimethylbenzene, 1,2,4-	5	130	120	120	10 U	10 U	10 U	10 U	1 J	10 J	10 U	10 U	10 U	2 J	2 J	
Trimethylpentane, 2,2,4-	NE	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	
Vinyl acetate	NE	10 U	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U	10 U	10 UJ	10 U	10 U	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 U	10 U	10 U	
Non-carcinogenic PAHs (ug/L)																
Acenaphthene	20*	15	14	21	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Acenaphthylene	NE	99 J	98 J	94 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	3 J	5	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*	22	24	28	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	79 J	77 J	26	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Naphthalene	10*	1400	1300	610	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	25	23	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	2 J	10 U	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	1644	1541	809	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	0	10 U	10 U	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 UJ	10 U	10 U	10 UJ	10 U	10 U	10 U	
Benzo[k]fluoranthene	0.002*	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
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	1644	1541	809	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Total Metals (ug/L)																
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
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	

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-16I2	DUP-01 OZ	OZMW-16I2	OZMW-16D	OZMW-16D	OZMW-16D	OZMW-17S	OZMW-17S	OZMW-17S	OZMW-17I	OZMW-17I	OZMW-17I	OZMW-17I2	DUP-01 OZ	
Screened Interval:	AWQS	35-45 ft	35-45 ft	35-45 ft	55-65 ft	55-65 ft	55-65 ft	5-15 ft	5-15 ft	5-15 ft	20-30 ft	20-30 ft	20-30 ft	35-45 ft	35-45 ft	
Sample Date:		5/11/2010	5/11/2010	6/10/2010	4/12/2010	5/11/2010	6/10/2010	4/13/2010	5/17/2010	6/14/2010	4/13/2010	5/17/2010	6/14/2010	4/13/2010	4/13/2010	
Parent Sample:			OZMW-16I2												OZMW-17I2	
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	
Other (ug/L)																
Alkalinity	NE	20000	20000	56400	1000 U	2300	1000 U	214000	194000	178000	160000	156000	142000	105000	108000	
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	
Other (cfu/ml)																
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Other (ug/L)																
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	

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-17I2	OZMW-17I2	OZMW-17D	OZMW-17D	DUP-051710 OZ	OZMW-17D	OZMW-18S	OZMW-18S	OZMW-18S	OZMW-18I	OZMW-18I	OZMW-18I	OZMW-18I2	OZMW-18I2	
Screened Interval:	AWQS	35-45 ft	35-45 ft	53-63 ft	53-63 ft	53-63 ft	53-63 ft	5-15 ft	5-15 ft	5-15 ft	20-30 ft	20-30 ft	20-30 ft	35-45 ft	35-45 ft	
Sample Date:		5/17/2010	6/14/2010	4/13/2010	5/17/2010	5/17/2010	6/14/2010	4/14/2010	5/11/2010	6/10/2010	4/14/2010	5/11/2010	6/10/2010	4/14/2010	5/11/2010	
Parent Sample:						OZMW-17D										
BTEX (ug/L)																
Benzene	1	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene, m,p-	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	3 J	6 J	
Xylene, o-	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	2 J	
Total BTEX	NE	ND	ND	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	3	8	
Other VOCs (ug/L)																
Acetaldehyde	8*	10 U	10 UJ	R	10 U	10 U	10 UJ	R	10 U	10 UJ	R	10 U	10 UJ	R	10 U	
Acetone	50*	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ	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 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U	10 UJ	
Bromomethane	5	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U	10 UJ	
Butadiene, 1,3-	NE	10 UJ	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	
Butanone, 2-	50*	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	
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 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	4 J	4 J	
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 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U	10 UJ	
Cyclohexane	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ	
Dibromochloromethane	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
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 U	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	
Dichloroethane, 1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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	R	
Ethanol	NE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
Heptane, n-	NE	10 U	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	
Hexachlorobutadiene	0.5	10 U	10 U	R	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U	
Hexane, n-	NE	10 U	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	
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	10 U	10 U	10 U	10 U	7	10	
Methyl tert-butyl ether	10*	3 J	5	10 U	10 U	10 U	10 U	10 U	4 J	3 J	1 J	1 J	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 U	10 U	180	18	21	13	10 U	10 U	10 U	10 U	10 U	10 U	720	570	
Propanol, 2-	NE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
Propylbenzene, n-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J	4 J	
Styrene	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	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-17I2	OZMW-17I2	OZMW-17D	OZMW-17D	DUP-051710 OZ	OZMW-17D	OZMW-18S	OZMW-18S	OZMW-18S	OZMW-18I	OZMW-18I	OZMW-18I	OZMW-18I2	OZMW-18I2	
Screened Interval:	AWQS	35-45 ft	35-45 ft	53-63 ft	53-63 ft	53-63 ft	5-15 ft	5-15 ft	5-15 ft	20-30 ft	20-30 ft	20-30 ft	35-45 ft	35-45 ft		
Sample Date:		5/17/2010	6/14/2010	4/13/2010	5/17/2010	5/17/2010	6/14/2010	4/14/2010	5/11/2010	6/10/2010	4/14/2010	5/11/2010	6/10/2010	4/14/2010	5/11/2010	
Parent Sample:						OZMW-17D										
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 UJ	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	2 J	2 J	
Tetrahydrofuran	50*	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	
Trans-1,2-dichloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U	
Trichloro-1,2,2-trifluoroethane, 1,1,2-	5	10 UJ	10 U	10 U	10 U	10 UJ	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 UJ	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	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 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ	
Trimethylbenzene 1,3,5-/P-ethyltoluene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	67	120	
Trimethylbenzene, 1,2,4-	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	81	130	
Trimethylpentane, 2,2,4-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ	
Vinyl acetate	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	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	5	3 J	3 J	2 J	10 U	10 U	10 U	10 U	10 U	10 U	14	23	
Acenaphthylene	NE	10 U	10 U	11	3 J	2 J	2 J	10 U	10 U	10 U	10 U	10 U	10 U	20	35	
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	1 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	10 U	10 U	10 U	10 U	10 U	
Fluorene	50*	10 U	10 U	3 J	1 J	1 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	7	10	
Methylnaphthalene, 2-	NE	10 U	10 U	3 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	72	180	
Naphthalene	10*	10 U	10 U	94	15	14	8	10 U	10 U	10 U	10 U	10 U	10 U	190	250	
Phenanthrene	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	4 J	7	
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 Non-carcinogenic PAHs	NE	ND	ND	119	22	20	12	ND	ND	ND	ND	ND	ND	307	506	
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	0	10 U	10 U	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 UJ	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	
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	119	22	20	12	ND	ND	ND	ND	ND	ND	307	506	
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	

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		
Sample Name:	NYS	OZMW-17I2	OZMW-17I2	OZMW-17D	OZMW-17D	DUP-051710 OZ	OZMW-17D	OZMW-18S	OZMW-18S	OZMW-18S	OZMW-18I	OZMW-18I	OZMW-18I	OZMW-18I2	OZMW-18I2	
Screened Interval:	AWQS	35-45 ft	35-45 ft	53-63 ft	53-63 ft	53-63 ft	53-63 ft	5-15 ft	5-15 ft	5-15 ft	20-30 ft	20-30 ft	20-30 ft	35-45 ft	35-45 ft	
Sample Date:		5/17/2010	6/14/2010	4/13/2010	5/17/2010	5/17/2010	6/14/2010	4/14/2010	5/11/2010	6/10/2010	4/14/2010	5/11/2010	6/10/2010	4/14/2010	5/11/2010	
Parent Sample:						OZMW-17D										
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	
Other (ug/L)																
Alkalinity	NE	98000	79000	3800	3250	3200	4450	99800	136000	135000	166000	172000	193000	32700	30800	
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	
Other (cfu/ml)																
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Other (ug/L)																
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	

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:	NYS	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	
Sample Name:	AWQS	OZMW-18I2	OZMW-18D	OZMW-18D	OZMW-18D	OZMW-19S	OZMW-19S	OZMW-19S	DUP-01 OZ	OZMW-19I	OZMW-19I	OZMW-19I	OZMW-19I2	OZMW-19I2	OZMW-19I2	
Screened Interval:		35-45 ft	55-65 ft	55-65 ft	55-65 ft	5-15 ft	5-15 ft	5-15 ft		20-30 ft	20-30 ft	20-30 ft	35-45 ft	35-45 ft	35-45 ft	
Sample Date:		6/10/2010	4/14/2010	5/11/2010	6/10/2010	4/15/2010	5/12/2010	6/10/2010	6/10/2010	4/15/2010	5/12/2010	6/10/2010	4/15/2010	5/12/2010	6/11/2010	
Parent Sample:									OZMW-19S							
BTEX (ug/L)																
Benzene	1	10 U	2 J	2 J	2 J	10 U	10 U	2 J	2 J	88	73	63 J	140	100	99	
Toluene	5	10 U	72	83	93	10 U	10 U	10 U	10 U	12	11	10	29	19	23	
Ethylbenzene	5	10 U	39	47	49	1 J	3 J	36	30	540	380	590	940	430	560	
Xylene, m,p-	5	4 J	100	110	150	10 U	1 J	20	17	120	110	140	370	250	400	
Xylene, o-	5	1 J	120	140	130	10 U	2 J	28	24	200	130	170 J	350	180	250	
Total BTEX	NE	5	333	382	424	1	6	86	73	960	704	973	1829	979	1332	
Other VOCs (ug/L)																
Acetaldehyde	8*	10 UJ	R	10 U	10 UJ	R	10 U	10 UJ	10 UJ	R	10 U	10 UJ	R	10 U	10 UJ	
Acetone	50*	4 J	10 U	10 U	10 UJ	10 U	10 UJ	2 J	2 J	10 U	10 UJ	5 J	10 U	10 U	10 UJ	
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 UJ	10 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	
Bromomethane	5	10 U	10 U	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 UJ	10 UJ	10 U	
Butadiene, 1,3-	NE	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 U	10 U	10 UJ	
Butanone, 2-	50*	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ	
Carbon disulfide	60*	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	
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 UJ	10 U	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 U	10 UJ	
Chloroform	7	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	
Chloromethane	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	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 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ	
Cyclohexane	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	6 J	8 J	15 J	5	9 J	14 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 UJ	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 UJ	10 U	10 U	
Dichloroethane, 1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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	
Dichloroethane, 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	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 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	
Hexachlorobutadiene	0.5	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	
Hexane, n-	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	5 J	9 J	11 J	3 J	5 J	9 J	
Hexanone, 2-	50*	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	
Isopropyl benzene	5	7	2 J	2 J	2 J	10 U	10 U	3 J	3 J	64	51	73	31	29	32	
Methyl tert-butyl ether	10*	10 UJ	2 J	1 J	2 J	10 UJ	10 U	10 U	10 U	10 U	10 U	10 UJ	2 J	10 U	10 UJ	
Methyl-2-pentanone, 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	
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*	320	1700	1400	1900	10	4 J	32	25	6000	4300	4100	3300	1700	3800	
Propanol, 2-	NE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
Propylbenzene, n-	5	3 J	7	9	9 J	10 U	10 U	1 J	1 J	20	18	28 J	14	12	21 J	
Styrene	5	10 U	160	180	160	10 U	10 U	10 U	10 U	4 J	7	10 U	50	45	87	

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:	NYS	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	OU1	
Sample Name:	AWQS	OZMW-18I2	OZMW-18D	OZMW-18D	OZMW-18D	OZMW-19S	OZMW-19S	OZMW-19S	DUP-01 OZ	OZMW-19I	OZMW-19I	OZMW-19I	OZMW-19I2	OZMW-19I2	OZMW-19I2	
Screened Interval:		35-45 ft	55-65 ft	55-65 ft	55-65 ft	5-15 ft	5-15 ft	5-15 ft		20-30 ft	20-30 ft	20-30 ft	35-45 ft	35-45 ft	35-45 ft	
Sample Date:		6/10/2010	4/14/2010	5/11/2010	6/10/2010	4/15/2010	5/12/2010	6/10/2010	6/10/2010	4/15/2010	5/12/2010	6/10/2010	4/15/2010	5/12/2010	6/11/2010	
Parent Sample:									OZMW-19S							
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	2 J	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	
Tetrahydrofuran	50*	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	
Trans-1,2-dichloroethene	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	
Trichloro-1,2,2-trifluoroethane, 1,1,2-	5	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 UJ	10 U	10 U	10 UJ	10 UJ	10 U	10 U	10 UJ	
Trichlorobenzene, 1,2,4-	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	
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 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ	
Trimethylbenzene 1,3,5-/P-ethyltoluene	NE	92 J	46	75	69 J	42	51	57	56	300	280	350 J	140	150	210 J	
Trimethylbenzene, 1,2,4-	5	86	54	54	58	20	17	40	38	240 J	180 J	240 J	170	160	210	
Trimethylpentane, 2,2,4-	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	
Vinyl acetate	NE	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 UJ	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*	16	4 J	4 J	5	5	10 U	8	7	180 J	160 J	150 J	31	1 J	24	
Acenaphthylene	NE	18	36	50	47	23	10 U	24	26	65	64	32	130	10 U	150	
Anthracene	50*	1 J	1 J	1 J	2 J	2 J	10 U	4 J	4 J	11	10	10	11	1 J	10	
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	2 J	10 U	3 J	3 J	3 J	2 J	3 J	3 J	2 J	2 J	
Fluorene	50*	7	10 U	10 U	10 U	12	10 U	16	15	56	58	64	45	8	45	
Methylnaphthalene, 2-	NE	39	88	120	100	46	10 U	8 J	22 J	290	350	200 J	120	10 U	180	
Naphthalene	10*	2 J	530	1100	460	2 J	10 U	3 J	8	1700	2900	2100 J	490	10 U	930	
Phenanthrene	50*	5	9	11	14	6	10 U	3 J	6	67	69	68 J	56	10 U	64	
Pyrene	50*	10 U	10 U	10 U	1 J	3 J	10 U	5	5	5	4 J	5 J	4 J	2 J	4 J	
Total Non-carcinogenic PAHs	NE	88	668	1286	629	101	ND	74	96	2377	3617	2632	890	14	1409	
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	0	10 U	10 U	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	1 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Dibenzo[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	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Total PAHs (ug/L)																
Total PAHs	NE	88	668	1286	629	102	ND	74	96	2377	3617	2632	890	14	1409	
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	

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-18I2	OZMW-18D	OZMW-18D	OZMW-18D	OZMW-19S	OZMW-19S	OZMW-19S	DUP-01 OZ	OZMW-19I	OZMW-19I	OZMW-19I	OZMW-19I2	OZMW-19I2	OZMW-19I2	
Screened Interval:	AWQS	35-45 ft	55-65 ft	55-65 ft	55-65 ft	5-15 ft	5-15 ft	5-15 ft	5-15 ft	20-30 ft	20-30 ft	20-30 ft	35-45 ft	35-45 ft	35-45 ft	
Sample Date:		6/10/2010	4/14/2010	5/11/2010	6/10/2010	4/15/2010	5/12/2010	6/10/2010	6/10/2010	4/15/2010	5/12/2010	6/10/2010	4/15/2010	5/12/2010	6/11/2010	
Parent Sample:									OZMW-19S							
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	
Other (ug/L)																
Alkalinity	NE	33000	10900	10000 U	1000 U	116000	158000	206000	202000	172000	208000	138000	147000	131000	154000	
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	
Other (cfu/ml)																
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Other (ug/L)																
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	

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 AWQS	OZMW-19D	OZMW-19D	OZMW-19D	OZMW-21S	OZMW-21S	OZMW-21S	OZMW-21I	OZMW-21I	OZMW-21I	OZMW-21I2	DUP-02OZ	OZMW-21I2	OZMW-21I2	OZMW-21D	
Screened Interval:		55-65 ft	55-65 ft	55-65 ft	5-15 ft	5-15 ft	5-15 ft	20-30 ft	20-30 ft	20-30 ft	35-45 ft	35-45 ft	35-45 ft	35-45 ft	55-65 ft	
Sample Date:		4/15/2010	5/12/2010	6/11/2010	4/15/2010	5/12/2010	6/16/2010	4/15/2010	5/21/2010	6/16/2010	4/15/2010	4/15/2010	5/12/2010	6/16/2010	4/15/2010	
Parent Sample:												OZMW-21I2				
BTEX (ug/L)																
Benzene	1	2 J	1 J	10 U	2900	1100	1400	230 J	200	170 J	90	88	95	91	6	
Toluene	5	10 U	10 U	10 U	130	130	100	14	12	11	2 J	2 J	3 J	2 J	10 U	
Ethylbenzene	5	10 U	10 U	10 U	1200	940	1500	130	100	84	3 J	3 J	6	4 J	2 J	
Xylene, m,p-	5	1 J	2 J	10 U	1400	990	1500	58	46	43	8 J	7 J	8 J	13	2 J	
Xylene, o-	5	3 J	2 J	10 U	860	590	900	48	37	34	3 J	3 J	4 J	5	1 J	
Total BTEX	NE	6	5	ND	6490	3750	5400	480	395	342	106	103	116	115	11	
Other VOCs (ug/L)																
Acetaldehyde	8*	R	10 U	10 UJ	R	10 U	10 UJ	R	10 U	10 UJ	R	10 U	10 U	10 U	R	
Acetone	50*	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	
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 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 UJ	10 U	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 UJ	10 U	10 U	
Bromomethane	5	10 U	10 UJ	10 U	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	
Butadiene, 1,3-	NE	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 UJ	10 U	10 U	10 UJ	10 U	10 U	
Butanone, 2-	50*	10 U	10 U	10 UJ	10 U	10 U	1 J	10 U	10 U	10 UJ	10 U	10 U	10 U	1 J	10 U	
Carbon disulfide	60*	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	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	10 U	10 U	
Chloroethane	5	10 U	10 U	10 UJ	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ	
Chloroform	7	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Chloromethane	5	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ	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 UJ	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 UJ	10 UJ	10 U	
Cyclohexane	NE	10 UJ	10 UJ	10 UJ	10 U	1 J	2 J	10 U	10 UJ	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	2 J	2 J	1 J	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 U	10 U	10 UJ	10 UJ	10 U	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	
Dichloroethane, 1,1-	0.07	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	
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	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 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	
Hexachlorobutadiene	0.5	10 UJ	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	
Hexane, n-	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	
Hexanone, 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	10 U	
Isopropyl benzene	5	2 J	2 J	1 J	26	42	42	56	57	48	44	43 J	38	56 J	10 U	
Methyl tert-butyl ether	10*	1 J	10 U	10 UJ	10 UJ	1 J	1 J	5 J	4 J	5 J	1 J	10 U	1 J	5	1 J	
Methyl-2-pentanone, 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	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*	380	260	140	3300	2900	4700	5900	5400	6200	6100	6000	5100	3800	190	
Propanol, 2-	NE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
Propylbenzene, n-	5	10 U	1 J	10 UJ	12	23	25	33	34	29	28	28 J	24	33	1 J	
Styrene	5	10 U	10 U	10 U	3 J	34	10 U	6	10 U	6	14	12	11	15	2 J	

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-19D	OZMW-19D	OZMW-19D	OZMW-21S	OZMW-21S	OZMW-21S	OZMW-21I	OZMW-21I	OZMW-21I	OZMW-21I2	DUP-02OZ	OZMW-21I2	OZMW-21I2	OZMW-21D	
Screened Interval:	AWQS	55-65 ft	55-65 ft	55-65 ft	5-15 ft	5-15 ft	5-15 ft	20-30 ft	20-30 ft	20-30 ft	35-45 ft	35-45 ft	35-45 ft	35-45 ft	55-65 ft	
Sample Date:		4/15/2010	5/12/2010	6/11/2010	4/15/2010	5/12/2010	6/16/2010	4/15/2010	5/21/2010	6/16/2010	4/15/2010	4/15/2010	5/12/2010	6/16/2010	4/15/2010	
Parent Sample:												OZMW-21I2				
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	1 J	1 J	1 J	6	6	5	7	10 U	
Tetrahydrofuran	50*	10 UJ	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 UJ	
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 UJ	10 U	10 U	
Trichloro-1,2,2-trifluoroethane, 1,1,2-	5	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	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 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	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 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	
Trimethylbenzene 1,3,5-/P-ethyltoluene	NE	5 J	8 J	5 J	290	NA	390	360	350	370	250	290	260	260	7 J	
Trimethylbenzene, 1,2,4-	5	14	19	9	390	NA	510	520	460	530	350	360	270	290	11	
Trimethylpentane, 2,2,4-	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	
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 U	10 U	10 UJ	
Vinyl chloride	2	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	10 U	
Non-carcinogenic PAHs (ug/L)																
Acenaphthene	20*	4 J	4 J	10 U	33	48	55	170 J	190	170 J	64	68	100 J	88 J	13	
Acenaphthylene	NE	6	14	10 U	47	95 J	120 J	84 J	90 J	82 J	200 J	200 J	240 J	160 J	67	
Anthracene	50*	10 U	10 U	10 U	3 J	4 J	5	11	10	12	11	11	12	10	8	
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	3 J	2 J	3 J	3 J	3 J	4 J	3 J	3 J	3 J	3 J	3 J	
Fluorene	50*	6	5	10 U	14	19	26	54	60	61	52	52	57	51	40	
Methylnaphthalene, 2-	NE	10 U	10 U	10 U	220 J	550	430 J	1000	1400	1000	840	850	1400	870	290	
Naphthalene	10*	10 U	4 J	10 U	1400	3500	2800	3400	5200	3800	3300	3300	5100	3500	64	
Phenanthrene	50*	3 J	4 J	10 U	12	19	24	55	61	69	49	48	62	56	43	
Pyrene	50*	10 U	10 U	10 U	3 J	3 J	3 J	4 J	4 J	4 J	4 J	4 J	4 J	4 J	4 J	
Total Non-carcinogenic PAHs	NE	19	31	ND	1735	4240	3466	4781	7018	5202	4523	4536	6978	4742	532	
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	0	10 U	10 U	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	
Dibenzo[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	19	31	ND	1735	4240	3466	4781	7018	5202	4523	4536	6978	4742	532	
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	

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-19D	OZMW-19D	OZMW-19D	OZMW-21S	OZMW-21S	OZMW-21S	OZMW-21I	OZMW-21I	OZMW-21I	OZMW-21I2	DUP-02OZ	OZMW-21I2	OZMW-21I2	OZMW-21D	
Screened Interval:	AWQS	55-65 ft	55-65 ft	55-65 ft	5-15 ft	5-15 ft	5-15 ft	20-30 ft	20-30 ft	20-30 ft	35-45 ft	35-45 ft	35-45 ft	35-45 ft	55-65 ft	
Sample Date:		4/15/2010	5/12/2010	6/11/2010	4/15/2010	5/12/2010	6/16/2010	4/15/2010	5/21/2010	6/16/2010	4/15/2010	4/15/2010	5/12/2010	6/16/2010	4/15/2010	
Parent Sample:												OZMW-21I2				
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	
Other (ug/L)																
Alkalinity	NE	4950	10000 U	3750	206000	222000	214000	209000	209000	200000	112000	119000	125000	113000	9750	
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	
Other (cfu/ml)																
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Other (ug/L)																
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	

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-21D	OZMW-21D	DUP-02 OZ	OZMW-22RS	OZMW-22RI	OZMW-23S	OZMW-23S	OZMW-23S	OZMW-23I	OZMW-23I	OZMW-23I	OZMW-23I2	OZMW-23I2	OZMW-23I2	
Screened Interval:	AWQS	55-65 ft	55-65 ft	55-65 ft	5-15 ft	20-30 ft	5-15 ft	5-15 ft	5-15 ft	20-30 ft	20-30 ft	20-30 ft	35-45 ft	35-45 ft	35-45 ft	
Sample Date:		5/21/2010	6/16/2010	6/16/2010	6/17/2010	6/17/2010	4/13/2010	5/14/2010	6/15/2010	4/13/2010	5/14/2010	6/15/2010	4/13/2010	5/14/2010	6/15/2010	
Parent Sample:				OZMW-21D												
BTEX (ug/L)																
Benzene	1	3 J	3 J	2 J	4 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	1 J	1 J	10 U	13	4 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	5	2 J	3 J	2 J	1000	180	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene, m,p-	5	4 J	5 J	3 J	1600	250	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	2 J	2 J	860	130	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total BTEX	NE	12	14	9	3477	564	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	R	10 U	10 U	R	10 U	10 U	R	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	10 U	10 U	10 U
Allyl chloride	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	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 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
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 UJ	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U
Butanone, 2-	50*	10 U	10 U	10 UJ	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 disulfide	60*	1 J	2 J	2 J	10 U	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	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	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	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 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 UJ	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 UJ
Cyclohexane	NE	10 UJ	10 U	10 UJ	3 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
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 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
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
Dichloroethane, 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	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Ethanol	NE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Heptane, n-	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 UJ
Hexachlorobutadiene	0.5	10 UJ	10 UJ	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 UJ
Hexane, n-	NE	10 UJ	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U
Hexanone, 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	10 U	10 U
Isopropyl benzene	5	10 U	10 UJ	10 U	130	52 J	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 UJ
Methyl tert-butyl ether	10*	3 J	6	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
Methyl-2-pentanone, 4-	NE	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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*	170	160 J	130	1300	210	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 UJ
Propanol, 2-	NE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Propylbenzene, n-	5	1 J	2 J	1 J	72 J	17 J	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ
Styrene	5	2 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	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-21D	OZMW-21D	DUP-02 OZ	OZMW-22RS	OZMW-22RI	OZMW-23S	OZMW-23S	OZMW-23S	OZMW-23I	OZMW-23I	OZMW-23I	OZMW-23I2	OZMW-23I2	OZMW-23I2	
Screened Interval:	AWQS	55-65 ft	55-65 ft	55-65 ft	5-15 ft	20-30 ft	5-15 ft	5-15 ft	5-15 ft	20-30 ft	20-30 ft	20-30 ft	35-45 ft	35-45 ft	35-45 ft	
Sample Date:		5/21/2010	6/16/2010	6/16/2010	6/17/2010	6/17/2010	4/13/2010	5/14/2010	6/15/2010	4/13/2010	5/14/2010	6/15/2010	4/13/2010	5/14/2010	6/15/2010	
Parent Sample:				OZMW-21D												
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 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ	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 UJ	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 UJ	10 U	10 UJ	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 UJ	
Trichloroethane, 1,1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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	NE	9 J	15	9 J	930	200	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Trimethylbenzene, 1,2,4-	5	12	22 J	12	740	140	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 UJ	
Trimethylpentane, 2,2,4-	NE	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Vinyl acetate	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 UJ	10 U	
Vinyl chloride	2	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	10 U	
Non-carcinogenic PAHs (ug/L)																
Acenaphthene	20*	11	14	12	7	4 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Acenaphthylene	NE	80	75	76	7	5	10 U	10 U	1 J	10 U	10 U	10 U	10 U	10 U	10 U	
Anthracene	50*	6	8 J	8	1 J	2 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*	2 J	3 J	2 J	10 U	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Fluorene	50*	37	40	37	6	4 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Methylnaphthalene, 2-	NE	450	400	310	120 J	30	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Naphthalene	10*	90 J	110	88	1200	160	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Phenanthrene	50*	42	53	51	6	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Pyrene	50*	3 J	4 J	4 J	10 U	3 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Total Non-carcinogenic PAHs	NE	721	707	588	1347	220	ND	ND	1	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	0	10 U	10 U	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 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ	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	
Dibenzo[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	721	707	588	1347	220	ND	ND	1	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	

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-21D	OZMW-21D	DUP-02 OZ	OZMW-22RS	OZMW-22RI	OZMW-23S	OZMW-23S	OZMW-23S	OZMW-23I	OZMW-23I	OZMW-23I	OZMW-23I2	OZMW-23I2	OZMW-23I2	
Screened Interval:	AWQS	55-65 ft	55-65 ft	55-65 ft	5-15 ft	20-30 ft	5-15 ft	5-15 ft	5-15 ft	20-30 ft	20-30 ft	20-30 ft	35-45 ft	35-45 ft	35-45 ft	
Sample Date:		5/21/2010	6/16/2010	6/16/2010	6/17/2010	6/17/2010	4/13/2010	5/14/2010	6/15/2010	4/13/2010	5/14/2010	6/15/2010	4/13/2010	5/14/2010	6/15/2010	
Parent Sample:				OZMW-21D												
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	
Other (ug/L)																
Alkalinity	NE	9200	15200	14500	201000	50600	97500	NA	82800	153000	NA	149000	1300	NA	1500	
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	
Other (cfu/ml)																
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Other (ug/L)																
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Sulfide	50*	NA	NA	NA	NA	NA	NA	2000 U	NA	NA	2000 U	NA	NA	2000 U	NA	
Total Phosphorous	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-23D	OZMW-23D	OZMW-23D	OZMW-24S	OZMW-24S	OZMW-24S	OZMW-24I	OZMW-24I	OZMW-24I	OZMW-24I2	OZMW-24I2	OZMW-24I2	OZMW-24D	OZMW-24D	
Screened Interval:	AWQS	55-65 ft	55-65 ft	55-65 ft	5-15 ft	5-15 ft	5-15 ft	20-30 ft	20-30 ft	20-30 ft	35-45 ft	35-45 ft	35-45 ft	55-65 ft	55-65 ft	
Sample Date:		4/13/2010	5/14/2010	6/15/2010	4/12/2010	5/17/2010	6/15/2010	4/12/2010	5/17/2010	6/15/2010	4/12/2010	5/17/2010	6/15/2010	4/12/2010	5/17/2010	
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	1 J	1 J	1 J	5	4 J	
Toluene	5	4 J	6	3 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 J	2 J	430 J	270	
Ethylbenzene	5	4 J	4 J	2 J	3 J	4 J	5	10 U	10 U	10 U	6	7	12	150	130	
Xylene, m,p-	5	21	27	12	10 U	1 J	2 J	10 U	10 U	10 U	86	100	130	1000 J	600	
Xylene, o-	5	11	14	7	2 J	4 J	6	10 U	10 U	10 U	29	33	46	500 J	270	
Total BTEX	NE	40	51	24	5	9	13	ND	ND	ND	122	142	191	2085	1274	
Other VOCs (ug/L)																
Acetaldehyde	8*	R	10 U	10 U	R	10 U	10 U	R	10 U	10 U	R	10 U	10 U	R	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	10 U	12 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 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 UJ	
Bromomethane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	
Butadiene, 1,3-	NE	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	10 UJ	
Butanone, 2-	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 J	1 J	10 U	2 J	2 J	
Carbon disulfide	60*	10 U	2 J	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	9 J	7 J	
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	1 J	10 U	
Chloroform	7	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	51	72	96	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	3 J	2 J	
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 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 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 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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	
Dichloroethane, 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	R	
Ethanol	NE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
Heptane, n-	NE	10 U	10 U	10 UJ	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U	
Hexachlorobutadiene	0.5	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 U	10 U	
Hexane, n-	NE	10 UJ	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	
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 UJ	10 U	1 J	10 UJ	10 U	10 U	10 UJ	36	49	65 J	4 J	3 J	
Methyl tert-butyl ether	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J	4 J	3 J	4 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	4 J	10 U	
Naphthalene	10*	110	96 J	42 J	16	60	53 J	10 U	10 U	10 UJ	5100	4700	3900	4900	4100	
Propanol, 2-	NE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
Propylbenzene, n-	5	10 U	10 U	10 UJ	10 U	2 J	3 J	10 U	10 U	10 UJ	21	30	38 J	21	20	
Styrene	5	8	10	5	10 U	1 J	1 J	10 U	10 U	10 U	14	17	27	690 J	350	

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-23D	OZMW-23D	OZMW-23D	OZMW-24S	OZMW-24S	OZMW-24S	OZMW-24I	OZMW-24I	OZMW-24I	OZMW-24I2	OZMW-24I2	OZMW-24I2	OZMW-24D	OZMW-24D	
Screened Interval:	AWQS	55-65 ft	55-65 ft	55-65 ft	5-15 ft	5-15 ft	5-15 ft	20-30 ft	20-30 ft	20-30 ft	35-45 ft	35-45 ft	35-45 ft	55-65 ft	55-65 ft	
Sample Date:		4/13/2010	5/14/2010	6/15/2010	4/12/2010	5/17/2010	6/15/2010	4/12/2010	5/17/2010	6/15/2010	4/12/2010	5/17/2010	6/15/2010	4/12/2010	5/17/2010	
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	2 J	2 J	3 J	10 U	10 U	
Tetrahydrofuran	50*	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 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 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ	
Trichlorobenzene, 1,2,4-	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	
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	NE	3 J	4 J	3 J	31	110	110	10 U	10 U	10 U	210	250	260	140	140	
Trimethylbenzene, 1,2,4-	5	7	8	4 J	21	87	90 J	10 U	10 U	10 UJ	260	330	340	450 J	260	
Trimethylpentane, 2,2,4-	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	
Vinyl acetate	NE	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ	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	24	23	10 U	10 U	10 U	72	1000 U	96	18	15	
Acenaphthylene	NE	3 J	2 J	10 U	10 U	3 J	3 J	10 U	10 U	10 U	240 J	170 J	200 J	230 J	170 J	
Anthracene	50*	10 U	10 U	10 U	10 U	1 J	5	10 U	10 U	10 U	17	14	13	8	6	
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	2 J	3 J	10 U	10 U	10 U	3 J	2 J	2 J	1 J	10 U	
Fluorene	50*	10 U	10 U	10 U	10 U	6	11	10 U	10 U	10 U	52	44	49	42	41	
Methylnaphthalene, 2-	NE	10	8	3 J	10 U	4 J	54	10 U	10 U	10 U	800	800	790	870	800	
Naphthalene	10*	61	49	23	10 U	9	34	10 U	10 U	10 U	3400	3800	3900	3900	3800	
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	23	10 U	10 U	10 U	70	78	69	34	33	
Pyrene	50*	10 U	10 U	10 U	10 U	3 J	4 J	10 U	10 U	10 U	3 J	3 J	3 J	2 J	2 J	
Total Non-carcinogenic PAHs	NE	74	59	26	ND	52	160	ND	ND	ND	4657	4911	5122	5105	4867	
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	0	10 U	10 U	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 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ	
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	
Dibenzo[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	74	59	26	ND	52	160	ND	ND	ND	4657	4911	5122	5105	4867	
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	

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-23D	OZMW-23D	OZMW-23D	OZMW-24S	OZMW-24S	OZMW-24S	OZMW-24I	OZMW-24I	OZMW-24I	OZMW-24I2	OZMW-24I2	OZMW-24I2	OZMW-24D	OZMW-24D	
Screened Interval:	AWQS	55-65 ft	55-65 ft	55-65 ft	5-15 ft	5-15 ft	5-15 ft	20-30 ft	20-30 ft	20-30 ft	35-45 ft	35-45 ft	35-45 ft	55-65 ft	55-65 ft	
Sample Date:		4/13/2010	5/14/2010	6/15/2010	4/12/2010	5/17/2010	6/15/2010	4/12/2010	5/17/2010	6/15/2010	4/12/2010	5/17/2010	6/15/2010	4/12/2010	5/17/2010	
Parent Sample:																
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	
Other (ug/L)																
Alkalinity	NE	2000 U	NA	1000 U	182000	184000	184000	143000	188000	198000	35500	44300	38900	1000 U	1000 U	
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	
Other (cfu/ml)																
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Other (ug/L)																
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Sulfide	50*	NA	2000 U	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	

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-24D	OZMW-25S	OZMW-25S	OZMW-25S	OZMW-25I	OZMW-25I	OZMW-25I	OZMW-25I2	OZMW-25I2	OZMW-25I2	OZMW-25D	OZMW-25D	OZMW-25D	OZMW-26S	
Screened Interval:	AWQS	55-65 ft	5-15 ft	5-15 ft	5-15 ft	20-30 ft	20-30 ft	20-30 ft	35-45 ft	35-45 ft	35-45 ft	55-65 ft	55-65 ft	55-65 ft	5-15 ft	
Sample Date:		6/15/2010	4/15/2010	5/12/2010	6/16/2010	4/15/2010	5/12/2010	6/16/2010	4/15/2010	5/12/2010	6/16/2010	4/15/2010	5/12/2010	6/16/2010	4/15/2010	
Parent Sample:																
BTEX (ug/L)																
Benzene	1	4 J	27	57	29	72	61	43	8	10	12	10 U	10 U	10 U	10 U	
Toluene	5	220 J	12	19	16	16	13	13	10 U	1 J	2 J	10 U	10 U	10 U	10 U	
Ethylbenzene	5	130	580 J	570	1100	120	110	110	34	67	86	10 U	10 U	10 U	10 U	
Xylene, m,p-	5	550	440 J	540 J	690	67	62	71	14	25	39	10 U	10 U	10 U	3 J	
Xylene, o-	5	260	330 J	420 J	530	54	49	54	23	40	57	10 U	10 U	10 U	3 J	
Total BTEX	NE	1164	1389	1606	2365	329	295	291	79	143	196	ND	ND	ND	6	
Other VOCs (ug/L)																
Acetaldehyde	8*	10 U	R	10 U	10 UJ	R	10 U	10 UJ	R	10 U	10 UJ	10 U	10 U	10 UJ	10 U	
Acetone	50*	11 U	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 U	
Allyl chloride	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	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 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	
Bromomethane	5	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U	10 U	10 UJ	10 U	10 U	
Butadiene, 1,3-	NE	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 UJ	10 U	
Butanone, 2-	50*	2 J	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	
Carbon disulfide	60*	10	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	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	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 UJ	10 U	10 U	10 UJ	10 UJ	10 U	10 UJ	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	2 J	10 UJ	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U	10 UJ	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	10 U	10 UJ	10 U	10 U	10 U	
Cryofluorane	NE	10 UJ	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	4 J	3 J	10 U	10 UJ	1 J	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U	
Dibromochloromethane	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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	1 J	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 U	10 UJ	10 UJ	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	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	
Dichloroethane, 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	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 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ	
Hexachlorobutadiene	0.5	10 UJ	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 UJ	
Hexane, n-	NE	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ	
Hexanone, 2-	50*	10 U	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	
Isopropyl benzene	5	7 J	35	49	56	7	5	5	2 J	3 J	7	10 U	10 U	10 U	10 UJ	
Methyl tert-butyl ether	10*	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	1 J	10 U	10 UJ	10 U	10 U	2 J	10 U	
Methyl-2-pentanone, 4-	NE	10 U	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	
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*	3100	1100	5500	4400	3400	3100	3100	310	300	1500	32	25	17	7 J	
Propanol, 2-	NE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
Propylbenzene, n-	5	23 J	20	44	31	5	4 J	4 J	10 U	1 J	2 J	10 U	10 U	10 U	10 UJ	
Styrene	5	340	4 J	20	10 U	4 J	4 J	5	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:	OZMW-24D	OZMW-25S	OZMW-25S	OZMW-25S	OZMW-25I	OZMW-25I	OZMW-25I	OZMW-25I2	OZMW-25I2	OZMW-25I2	OZMW-25D	OZMW-25D	OZMW-25D	OZMW-26S	
Screened Interval:	55-65 ft	5-15 ft	5-15 ft	5-15 ft	20-30 ft	20-30 ft	20-30 ft	35-45 ft	35-45 ft	35-45 ft	55-65 ft	55-65 ft	55-65 ft	5-15 ft	
Sample Date:	6/15/2010	4/15/2010	5/12/2010	6/16/2010	4/15/2010	5/12/2010	6/16/2010	4/15/2010	5/12/2010	6/16/2010	4/15/2010	5/12/2010	6/16/2010	4/15/2010	
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	1 J	10 U	1 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrahydrofuran	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 UJ	10 UJ
Trans-1,2-dichloroethene	5	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 UJ	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 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 UJ	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	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 U	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U
Trimethylbenzene 1,3,5-/P-ethyltoluene	NE	300	240	600 J	380	86	85	88	8 J	19	38	1 J	10 U	2 J	10
Trimethylbenzene, 1,2,4-	5	330 J	320 J	440	520	210 J	150	140	19	33	55	2 J	2 J	2 J	2 J
Trimethylpentane, 2,2,4-	NE	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ
Vinyl acetate	NE	10 U	10 UJ	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 UJ	10 U
Vinyl chloride	2	10 U	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
Non-carcinogenic PAHs (ug/L)															
Acenaphthene	20*	13	29	50	33	46	98 J	67	5	3 J	29	2 J	1 J	10 U	10 U
Acenaphthylene	NE	210 J	56	170 J	120 J	130 J	250	190 J	3 J	1 J	66	16	14	7	1 J
Anthracene	50*	5 J	5	8	6	7	12	9	8	5	9	2 J	2 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	2 J	2 J	2 J	2 J	3 J	3 J	4 J	3 J	3 J	10 U	10 U	10 U	10 U
Fluorene	50*	33	32	51	44	38	67	56	27	14	36	7	4 J	2 J	10 U
Methylnaphthalene, 2-	NE	810	200	850	600	450	1100	660	10 U	10 U	70 J	34	43	13	10 U
Naphthalene	10*	4100	520	3700	2700	1200	1800	2200	10 U	10 U	450	21	23	9	10 U
Phenanthrene	50*	27	31	46	43	40	70	63	18	22	62	10	8	2 J	10 U
Pyrene	50*	10 U	2 J	3 J	2 J	3 J	4 J	4 J	6	4 J	5	10 U	10 U	10 U	10 U
Total Non-carcinogenic PAHs	NE	5198	877	4880	3550	1916	3404	3252	71	52	730	92	95	33	1
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	0	10 U	10 U	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
Dibenzo[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	5198	877	4880	3550	1916	3404	3252	71	52	730	92	95	33	1
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

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-24D	OZMW-25S	OZMW-25S	OZMW-25S	OZMW-25I	OZMW-25I	OZMW-25I	OZMW-25I2	OZMW-25I2	OZMW-25I2	OZMW-25D	OZMW-25D	OZMW-25D	OZMW-26S	
Screened Interval:	AWQS	55-65 ft	5-15 ft	5-15 ft	5-15 ft	20-30 ft	20-30 ft	20-30 ft	35-45 ft	35-45 ft	35-45 ft	55-65 ft	55-65 ft	55-65 ft	5-15 ft	
Sample Date:		6/15/2010	4/15/2010	5/12/2010	6/16/2010	4/15/2010	5/12/2010	6/16/2010	4/15/2010	5/12/2010	6/16/2010	4/15/2010	5/12/2010	6/16/2010	4/15/2010	
Parent Sample:																
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	
Other (ug/L)																
Alkalinity	NE	5000 U	141000	117000	128000	192000	168000	209000	49900	58800	87800	3650	1550	4450	174000	
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	
Other (cfu/ml)																
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Other (ug/L)																
Sulfate	250000	NA	NA	12400	NA	NA	5000 U	NA	NA	13900	NA	NA	17400	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	

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
Sample Name:	NYS	OZMW-26S	OZMW-26S	OZMW-26I	OZMW-26I	OZMW-26I	OZMW-26I2	OZMW-26I2	OZMW-26I2	OZMW-26D	OZMW-26D	OZMW-26D
Screened Interval:	AWQS	5-15 ft	5-15 ft	20-30 ft	20-30 ft	20-30 ft	35-45 ft	35-45 ft	35-45 ft	55-65 ft	55-65 ft	55-65 ft
Sample Date:		5/13/2010	6/11/2010	4/14/2010	5/13/2010	6/11/2010	4/14/2010	5/13/2010	6/11/2010	4/14/2010	5/13/2010	6/11/2010
Parent Sample:												
BTEX (ug/L)												
Benzene	1	10 U	10 U	10 U	10 U	10 U	3 J	4 J	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	10 U	10 U	10 U
Ethylbenzene	5	1 J	10 U	10 U	10 U	10 U	5	31	15	10 U	10 U	10 U
Xylene, m,p-	5	9 J	3 J	10 U	10 U	10 U	3 J	16	13	10 U	10 U	10 U
Xylene, o-	5	7	2 J	10 U	10 U	10 U	6	22	18	10 U	10 U	10 U
Total BTEX	NE	17	5	ND	ND	ND	17	73	48	ND	ND	ND
Other VOCs (ug/L)												
Acetaldehyde	8*	5	10 UJ	R	10 U	10 UJ	R	10 U	10 UJ	R	10 U	10 UJ
Acetone	50*	10 U	2 J	10 U	10 U	10 UJ	10 U	10 UJ	2 J	10 U	10 U	10 UJ
Allyl chloride	5	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U
Bromodichloromethane	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromoform	50*	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U
Bromomethane	5	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 UJ	10 U	10 U	10 UJ
Butadiene, 1,3-	NE	10 UJ	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 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ
Carbon disulfide	60*	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	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	10 U	10 U
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	7	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloromethane	5	10 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
Cryofluorane	NE	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ
Cyclohexane	NE	10 UJ	10 U	10 UJ	10 UJ	10 U	10 UJ	2 J	10 U	10 UJ	10 UJ	10 U
Dibromochloromethane	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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
Dichlorobenzene, 1,2-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene, 1,3-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene, 1,4-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	5	10 U	10 UJ	10 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	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethane, 1,2-	0.6	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene, 1,1-	0.07	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene, cis-1,2-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloropropane, 1,2-	1	10 U	10 U	10 U	10 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
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
Dioxane, 1,4-	NE	R	R	R	R	R	R	R	R	R	R	R
Ethanol	NE	R	R	R	R	R	R	R	R	R	R	R
Heptane, n-	NE	10 UJ	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U
Hexachlorobutadiene	0.5	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U	10 UJ
Hexane, n-	NE	10 UJ	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ	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
Isopropyl benzene	5	10 U	10 U	10 U	10 U	10 U	10 U	3 J	3 J	10 U	10 U	10 U
Methyl tert-butyl ether	10*	10 UJ	10 U	10 U	10 UJ	10 U	1 J	2 J	3 J	10 U	10 UJ	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
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
Naphthalene	10*	10 U	6	10 U	10 U	10 U	27	140	130	10 U	10 U	10 U
Propanol, 2-	NE	R	R	R	R	R	R	R	R	R	R	R
Propylbenzene, n-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

Table 4-4
 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
Sample Name:	NYS	OZMW-26S	OZMW-26S	OZMW-26I	OZMW-26I	OZMW-26I	OZMW-26I2	OZMW-26I2	OZMW-26I2	OZMW-26D	OZMW-26D	OZMW-26D
Screened Interval:	AWQS	5-15 ft	5-15 ft	20-30 ft	20-30 ft	20-30 ft	35-45 ft	35-45 ft	35-45 ft	55-65 ft	55-65 ft	55-65 ft
Sample Date:		5/13/2010	6/11/2010	4/14/2010	5/13/2010	6/11/2010	4/14/2010	5/13/2010	6/11/2010	4/14/2010	5/13/2010	6/11/2010
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
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
Tetrachloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrahydrofuran	50*	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U
Trans-1,2-dichloroethene	5	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 UJ	10 U	10 U	10 UJ
Trichloro-1,2,2-trifluoroethane, 1,1,2-	5	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 UJ	10 U	10 U	10 UJ
Trichlorobenzene, 1,2,4-	5	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ
Trichloroethane, 1,1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
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
Trichloroethene	5	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 U	10 U	10 U	10 U
Trimethylbenzene 1,3,5-/P-ethyltoluene	NE	25	10	10 U	10 U	10 U	3 J	21	15	10 U	10 U	10 U
Trimethylbenzene, 1,2,4-	5	5	2 J	10 U	10 U	10 U	3 J	18	16	10 U	10 U	10 U
Trimethylpentane, 2,2,4-	NE	10 UJ	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U
Vinyl acetate	NE	10 UJ	10 U	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 UJ	10 UJ	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
Non-carcinogenic PAHs (ug/L)												
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	1 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
Benzo[g,h,i]perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylnaphthalene, 2-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 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
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total Non-carcinogenic PAHs	NE	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carcinogenic PAHs (ug/L)												
Benzo[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene	0	1 J	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 UJ	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz[a,h]anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total Carcinogenic PAHs	NE	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)												
Total PAHs	NE	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Metals (ug/L)												
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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
Sample Name:	NYS	OZMW-26S	OZMW-26S	OZMW-26I	OZMW-26I	OZMW-26I	OZMW-26I2	OZMW-26I2	OZMW-26I2	OZMW-26D	OZMW-26D	OZMW-26D
Screened Interval:	AWQS	5-15 ft	5-15 ft	20-30 ft	20-30 ft	20-30 ft	35-45 ft	35-45 ft	35-45 ft	55-65 ft	55-65 ft	55-65 ft
Sample Date:		5/13/2010	6/11/2010	4/14/2010	5/13/2010	6/11/2010	4/14/2010	5/13/2010	6/11/2010	4/14/2010	5/13/2010	6/11/2010
Parent Sample:												
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	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
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (ug/L)												
Alkalinity	NE	107000	97500	178000	169000	158000	104000	94500	98500	2050	1600	4050
Nitrogen, Ammonia	2000	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
Nitrogen, Nitrite	1000	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
Nitrogen, Total Kjeldahl	NE	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
Other (ug/L)												
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	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

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		
		Oct/Nov	Apr/May	June/Jul	Nov/Dec	Feb-Apr	Jul/Aug	Sept/Oct
BBMW-01S	5.0 - 15.0	270	219	--	3,440	2,000	2,500	2,661
BBMW-01I	32.0 - 42.0	3	222	--	230	710	460	350
BBMW-01D	68.5 - 78.5	214	542	--	--	--	1,294	1,193
BBMW-23S	5.0 - 15.0	--	--	32,850	43,650	22,100	34,485	20,162
BBMW-23I	33.0 - 43.0	--	--	0	--	0	0	0
BBMW-23D	49.5 - 59.5	--	--	10	17	15	53	45
BBMW-23D2	63.0 - 73.0	--	--	28	--	0	97	80
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	--	--	--	--	--	--	--
OU2MW-57S	5.0 - 15.0	--	--	--	--	--	--	--
OU2MW-57I	20.0 - 30.0	--	--	--	--	--	--	--
OU2MW-57I2	35.0 - 45.0	--	--	--	--	--	--	--

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	
		Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	June	August	Nov/Dec	March	June
BBMW-01S	5.0 - 15.0	3,510	1,988	1,576	2,520	1,930	1,085	1,080	1,090	273	59
BBMW-01I	32.0 - 42.0	190	170	170	93	220	230	120	120	43	94
BBMW-01D	68.5 - 78.5	293	265	304	94	191	585	112	32	24	216
BBMW-23S	5.0 - 15.0	20,573	21,133	20,954	6,284	6,047	29,430	3,300	1,725	7,450	4,070
BBMW-23I	33.0 - 43.0	0	0	0	0	--	0	0	--	0	0
BBMW-23D	49.5 - 59.5	0	12	136	71	234	446	210	--	729	467
BBMW-23D2	63.0 - 73.0	0	--	0	--	0	--	--	--	0	--
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	--	--	--	--	--	--	--	--	--	--
OU2MW-57S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-57I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-57I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--

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									
		2006		2007				2008			
		Jul/Aug	Nov/Dec	March	May-Jul	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	July-Sep	Oct-Dec
BBMW-01S	5.0 - 15.0	1,361	2,329	949	3,640	7,420	5,590	4,210	3,022	1,251	797
BBMW-01I	32.0 - 42.0	110	110	77	156	375	274	262	64	57	36
BBMW-01D	68.5 - 78.5	462	109	32	555	386	9	43	81	75	21
BBMW-23S	5.0 - 15.0	6,558	120	12,332	18,185	19,818	14,940	26,389	22,830	18,758	9,986
BBMW-23I	33.0 - 43.0	0	0	0	0	19	10	0	3	0	0
BBMW-23D	49.5 - 59.5	509	579	519	96	1,324	660	493	23	12	14
BBMW-23D2	63.0 - 73.0	--	--	0	0	0	0	0	3	0	0
OU2MW-17S	5.0 - 10.0	--	--	--	--	--	--	--	0	0	0
OU2MW-17I	13.0 - 23.0	--	--	--	--	--	--	--	90	0	0
OU2MW-17I2	35.0 - 45.0	--	--	--	--	--	--	--	0	0	0
OU2MW-17D	60.0 - 75.0	--	--	--	--	--	--	--	0	0	0
OU2MW-18I	13.0 - 23.0	--	--	--	--	--	--	--	5,500	5,447	27,560
OU2MW-18I2	35.0 - 45.0	--	--	--	--	--	--	--	0	0	0
OU2MW-18D	60.0 - 70.0	--	--	--	--	--	--	--	0	0	0
OU2MW-54S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-54I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--
OU2MW-54I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OU2MW-54D	60.0 - 65.0	--	--	--	--	--	--	--	--	--	--
OU2MW-57S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-57I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-57I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--

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						
		Jan-Mar	Apr-Jun	July-Sep	Oct-Dec	Jan-Mar	Apr-Jun					
BBMW-01S	5.0 - 15.0	284	43	29	187	23	38	23	7,420	1,850	23	7,420
BBMW-01I	32.0 - 42.0	47	66	29	19	76	11	3	710	167	3	710
BBMW-01D	68.5 - 78.5	33	47	115	105	213	83	9	1,294	264	9	1,294
BBMW-23S	5.0 - 15.0	11,860	6,483	11,108	7,779	9,643	11,441	120	43,650	15,700	120	43,650
BBMW-23I	33.0 - 43.0	0	0	0	115	0	6	0	115	5	0	115
BBMW-23D	49.5 - 59.5	7	10	6	3	2	1	0	1,324	231	0	1,324
BBMW-23D2	63.0 - 73.0	0	0	0	0	0	0	0	97	10	0	97
OU2MW-17S	5.0 - 10.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-17I	13.0 - 23.0	80	164	17	0	6	245	0	164	45	0	245
OU2MW-17I2	35.0 - 45.0	0	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	0	0
OU2MW-18I	13.0 - 23.0	28,040	3,791	1,500	3,275	3,033	799	1,500	28,040	9,768	799	28,040
OU2MW-18I2	35.0 - 45.0	0	0	0	336	418	490	0	418	94	0	490
OU2MW-18D	60.0 - 70.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-54S	5.0 - 15.0	--	--	--	--	85	59	85	85	85	59	85
OU2MW-54I	20.0 - 25.0	--	--	--	--	0	0	0	0	0	0	0
OU2MW-54I2	40.0 - 45.0	--	--	--	--	0	0	0	0	0	0	0
OU2MW-54D	60.0 - 65.0	--	--	--	--	0	0	0	0	0	0	0
OU2MW-57S	5.0 - 15.0	--	--	--	--	--	2,082	--	--	--	2,082	2,082
OU2MW-57I	20.0 - 30.0	--	--	--	--	--	4,716	--	--	--	4,716	4,716
OU2MW-57I2	35.0 - 45.0	--	--	--	--	--	0	--	--	--	0	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						
		1999	2002			2003		
		Oct/Nov	Apr/May	June/July	Nov/Dec	Feb-Apr	Jul/Aug	Sept/Oct
BBMW-01S	5.0 - 15.0	2,055	3,420	--	2,823	600	1,102	1,730
BBMW-01I	32.0 - 42.0	66	9,720	--	10,616	5,600	6,398	8,514
BBMW-01D	68.5 - 78.5	1,605	4,566	--	--	--	4,871	4,543
BBMW-23S	5.0 - 15.0	--	--	2,397	2,681	1,400	2,319	2,383
BBMW-23I	33.0 - 43.0	--	--	0	--	178	0	61
BBMW-23D	49.5 - 59.5	--	--	741	802	910	1,203	1,562
BBMW-23D2	63.0 - 73.0	--	--	36	--	0	120	0
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	--	--	--	--	--	--	--
OU2MW-57S	5.0 - 15.0	--	--	--	--	--	--	--
OU2MW-57I	20.0 - 30.0	--	--	--	--	--	--	--
OU2MW-57I2	35.0 - 45.0	--	--	--	--	--	--	--

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	
		Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	June	August	Nov/Dec	March	June
BBMW-01S	5.0 - 15.0	2,077	1,394	869	1,565	2,067	1,333	1,034	2,425	1,043	0
BBMW-01I	32.0 - 42.0	7,772	7,709	4,679	9,754	9,659	7,734	10,674	8,276	3,679	6,746
BBMW-01D	68.5 - 78.5	1,460	1,800	1,359	429	821	2,832	50	251	349	863
BBMW-23S	5.0 - 15.0	1,288	1,733	2,220	599	921	1,830	994	890	1,410	959
BBMW-23I	33.0 - 43.0	0	0	0	0	--	13	33	--	146	88
BBMW-23D	49.5 - 59.5	468	400	1,081	931	1,493	1,665	2,161	--	2,459	2,391
BBMW-23D2	63.0 - 73.0	0	--	0	--	0	--	--	--	0	--
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	--	--	--	--	--	--	--	--	--	--
OU2MW-57S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-57I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-57I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--

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									
		2006		2007				2008			
		Jul/Aug	Nov/Dec	March	May-July	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	July-Sep	Oct-Dec
BBMW-01S	5.0 - 15.0	956	2,158	659	4,347	3,927	3,929	1,432	1,640	1,991	142
BBMW-01I	32.0 - 42.0	7,141	10,165	5,812	7,721	8,946	8,071	10,403	6,532	8,764	5,806
BBMW-01D	68.5 - 78.5	2,250	425	195	2,090	1,248	50	55	183	274	13
BBMW-23S	5.0 - 15.0	759	2,521	1,741	2,519	1,785	2,703	2,569	2,169	1,838	1,340
BBMW-23I	33.0 - 43.0	65	59	199	2,207	2,559	31	16	14	23	0
BBMW-23D	49.5 - 59.5	2,994	2,353	2,591	6,619	5,835	5,620	3,118	188	95	0
BBMW-23D2	63.0 - 73.0	--	--	0	0	1	0	2	50	0	0
OU2MW-17S	5.0 - 10.0	--	--	--	--	--	--	--	0	2	0
OU2MW-17I	13.0 - 23.0	--	--	--	--	--	--	--	25	2	0
OU2MW-17I2	35.0 - 45.0	--	--	--	--	--	--	--	0	1	0
OU2MW-17D	60.0 - 75.0	--	--	--	--	--	--	--	0	0	0
OU2MW-18I	13.0 - 23.0	--	--	--	--	--	--	--	2,957	3,489	5,188
OU2MW-18I2	35.0 - 45.0	--	--	--	--	--	--	--	0	0	0
OU2MW-18D	60.0 - 70.0	--	--	--	--	--	--	--	0	0	0
OU2MW-54S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-54I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--
OU2MW-54I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--
OU2MW-54D	60.0 - 65.0	--	--	--	--	--	--	--	--	--	--
OU2MW-57S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--
OU2MW-57I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--
OU2MW-57I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--

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						
		Jan-Mar	Apr-Jun	July-Sep	Oct-Dec	Jan-Mar	Apr-Jun					
BBMW-01S	5.0 - 15.0	359	119	0	126	46	63	0	4,347	1,528	0	4,347
BBMW-01I	32.0 - 42.0	3,303	10,202	5,703	5,737	5,463	904	66	10,674	7,334	66	10,674
BBMW-01D	68.5 - 78.5	68	92	141	220	273	248	13	4,871	1,151	13	4,871
BBMW-23S	5.0 - 15.0	1,673	2,456	3,162	2,697	1,571	2,292	599	3,162	1,851	599	3,162
BBMW-23I	33.0 - 43.0	12	2	0	237	2	1	0	2,559	220	0	2,559
BBMW-23D	49.5 - 59.5	0	31	1	27	5	14	0	6,619	1,646	0	6,619
BBMW-23D2	63.0 - 73.0	0	0	0	0	0	0	0	120	10	0	120
OU2MW-17S	5.0 - 10.0	0	0	0	0	0	0	0	2	0	0	2
OU2MW-17I	13.0 - 23.0	0	24	6	2	1	0	0	25	8	0	25
OU2MW-17I2	35.0 - 45.0	0	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	0	0
OU2MW-18I	13.0 - 23.0	4,932	5,201	4,006	2,881	4,150	1,283	2,881	5,201	4,101	1,283	5,201
OU2MW-18I2	35.0 - 45.0	0	0	0	0	490	0	0	490	61	0	490
OU2MW-18D	60.0 - 70.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-54S	5.0 - 15.0	--	--	--	--	41	10	41	41	41	10	41
OU2MW-54I	20.0 - 25.0	--	--	--	--	0	0	0	0	0	0	0
OU2MW-54I2	40.0 - 45.0	--	--	--	--	0	0	0	0	0	0	0
OU2MW-54D	60.0 - 65.0	--	--	--	--	0	0	0	0	0	0	0
OU2MW-57S	5.0 - 15.0	--	--	--	--	--	375	--	--	--	375	375
OU2MW-57I	20.0 - 30.0	--	--	--	--	--	72	--	--	--	72	72
OU2MW-57I2	35.0 - 45.0	--	--	--	--	--	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								
		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	--	--	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	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	
BBMW-24I	32.0 - 42.0	--	--	--	--	264	533	612	774	
BBMW-24D	59.5 - 69.5	--	--	--	--	1,102	--	1,005	837	
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		
Sept	Sept	Oct/Nov	Jan/Feb	Apr/May	Nov/Dec	Feb-Apr	Jul/Aug	Sept/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	
		Sept	Sept	Oct/Nov	Jan/Feb	Apr/May	Nov/Dec	Feb-Apr	Jul/Aug	Sept/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	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	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	June	August	Nov/Dec	March	June
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	June	August	Nov/Dec	March	June
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	March	May-Jul	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	July-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	March	May-Jul	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	July-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	March	May-Jul	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	July-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	July-Sep	Oct-Dec	Jan-Mar	Apr-Jun					
BBMW-02S	5.0 - 15.0	0	0	0	10	0	0	0	10	1	0	10
BBMW-02I	30.0 - 40.0	0	0	0	0	0	0	0	7	0	0	7
BBMW-02D	73.0 - 83.0	0	0	0	0	0	0	0	21	1	0	21
BBMW-15S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0
BBMW-15I	23.0 - 28.0	146	0	0	0	0	0	0	473	31	0	473
BBMW-15I2	35.0 - 45.0	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
BBMW-16S	5.0 - 15.0	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
BBMW-16D	68.0 - 78.0	0	0	0	0	0	0	0	0	0	0	0
BBMW-24S	4.0 - 14.0	0	0	0	0	0	0	0	117	5	0	117
BBMW-24I	32.0 - 42.0	10	394	14	3	2	1	0	2,408	417	0	2,408
BBMW-24D	59.5 - 69.5	22	107	29	103	147	65	0	1,420	437	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
OU2MW-08S	20.0 - 25.0	1,078	898	314	366	426	231	279	2,210	821	231	2,210
OU2MW-08I	35.0 - 40.0	46	333	209	4	156	168	4	527	224	4	527
OU2MW-08I2	50.0 - 55.0	152	39	86	104	136	92	39	590	250	39	590
OU2MW-08D	65.0 - 70.0	0	0	0	0	0	0	0	16	1	0	16
OU2MW-19I	13.0 - 23.0	82	110	121	65	21	1	21	4,617	1,116	1	4,617
OU2MW-19I2	35.0 - 45.0	103	75	61	108	0	10	0	133	90	0	133
OU2MW-19D	65.0 - 70.0	542	341	127	152	0	13	0	1,818	503	0	1,818
OU2MW-20S	4.0 - 9.0	0	0	0	0	0	0	0	1	0	0	1
OU2MW-20I	13.0 - 23.0	819	158	28	10	26	172	10	819	341	10	819
OU2MW-20I2	35.0 - 45.0	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
OU2MW-21S	5.0 - 15.0	870	0	0	0	0	0	0	870	159	0	870
OU2MW-21I	13.0 - 23.0	4,930	195	26	9	3	0	3	4,930	1,108	0	4,930
OU2MW-21I2	35.0 - 45.0	479	99	176	26	5	6	5	479	160	5	479
OU2MW-22S	5.0 - 15.0	2	0	0	0	0	0	0	2	0	0	2
OU2MW-22I	25.0 - 30.0	125	6	158	3	0	8	0	298	98	0	298
OU2MW-22I2	46.0 - 51.0	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
OU2MW-23S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-23I	25.0 - 30.0	157	117	2,393	112	294	3	112	2,393	850	3	2,393
OU2MW-23I2	45.0 - 50.0	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
OU2MW-24S	5.0 - 15.0	23	0	0	0	0	0	0	23	4	0	23
OU2MW-24I	25.0 - 30.0	2,153	197	56	0	0	0	0	2,862	878	0	2,862
OU2MW-24I2	45.0 - 50.0	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
OU2MW-25S	5.0 - 15.0	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	July-Sep	Oct-Dec	Jan-Mar	Apr-Jun					
OU2MW-25I	25.0 - 30.0	276	138	49	732	6	0	6	732	221	0	732
OU2MW-25I2	45.0 - 50.0	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
OU2MW-26S	6.0 - 11.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-26I	13.0 - 23.0	287	4	5	3	24	0	3	287	108	0	287
OU2MW-26I2	35.0 - 45.0	1,559	26	3	319	136	5	0	1,559	299	0	1,559
OU2MW-26D	60.0 - 70.0	474	335	491	890	362	980	76	890	373	76	980
OU2MW-27S	5.0 - 15.0	--	--	--	0	0	0	0	0	0	0	0
OU2MW-27I	25.0 - 30.0	--	--	--	0	0	0	0	0	0	0	0
OU2MW-27I2	45.0 - 50.0	--	--	--	24	11	12	11	24	18	11	24
OU2MW-27D	65.0 - 70.0	--	--	--	18	24	0	18	24	21	0	24
OU2MW-28S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-28I	28.0 - 33.0	93	3	4	98	0	0	0	400	110	0	400
OU2MW-28I2	40.0 - 45.0	1	2	72	66	85	286	0	85	33	0	286
OU2MW-29I	18.0 - 23.0	1,122	480	31	4	0	0	0	1,715	663	0	1,715
OU2MW-29I2	30.0 - 35.0	87	96	99	52	153	118	52	1,316	293	52	1,316
OU2MW-29D	45.0 - 50.0	359	388	173	211	141	85	141	405	270	85	405
OU2MW-30S	5.0 - 15.0	3	0	0	0	0	0	0	251	44	0	251
OU2MW-30I	25.0 - 30.0	208	729	218	5	0	0	0	729	250	0	729
OU2MW-30I2	30.0 - 35.0	43	471	195	143	80	4	41	533	215	4	533
OU2MW-30I3	45.0 - 50.0	254	130	31	19	10	3	10	254	112	3	254
OU2MW-30D	50.0 - 55.0	134	197	30	117	62	254	30	301	150	30	301
OU2MW-30D2	60.0 - 65.0	375	347	220	303	120	422	120	406	293	120	422
OU2MW-31I	18.0 - 23.0	779	856	3	1	0	0	0	856	356	0	856
OU2MW-31I2	30.0 - 35.0	1	413	59	0	5	38	0	413	68	0	413
OU2MW-32S	5.0 - 15.0	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	701	5,013	2,332	701	5,013
OU2MW-32I2	30.0 - 35.0	71	57	7	2	25	76	2	1,493	290	2	1,493
OU2MW-32D	40.0 - 45.0	25	8	0	0	7	0	0	177	39	0	177
OU2MW-33S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-33I	25.0 - 30.0	3,159	63	5	36	8	83	5	3,159	654	5	3,159
OU2MW-33I2	35.0 - 40.0	77	2	0	154	1	0	0	154	47	0	154
OU2MW-33D	50.0 - 55.0	2	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
OU2MW-34I	25.0 - 30.0	2,348	2,227	1,041	1,230	1,015	760	1,015	2,348	1,572	760	2,348
OU2MW-34I2	45.0 - 50.0	0	0	0	14	0	0	0	14	3	0	14
OU2MW-35S	5.0 - 15.0	9	16	0	0	0	0	0	17	7	0	17
OU2MW-35I	25.0 - 30.0	9	12	0	0	0	0	0	678	117	0	678
OU2MW-35I2	45.0 - 50.0	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
OU2MW-36S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-36I	25.0 - 30.0	55	42	0	0	0	0	0	288	64	0	288
OU2MW-36I2	45.0 - 50.0	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
OU2MW-37S	5.0 - 15.0	0	9	18	0	0	0	0	18	5	0	18
OU2MW-37I	25.0 - 30.0	373	411	2,623	3	267	11	3	2,623	627	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	July-Sep	Oct-Dec	Jan-Mar	Apr-Jun					
OU2MW-37I2	45.0 - 50.0	0	4	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
OU2MW-38S	5.0 - 15.0	23	0	0	0	0	0	0	23	4	0	23
OU2MW-38I	25.0 - 30.0	122	204	240	29	1	0	1	4,001	766	0	4,001
OU2MW-38I2	46.0 - 51.0	0	0	0	0	0	1	0	0	0	0	1
OU2MW-38D	56.0 - 61.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-39S	5.0 - 15.0	0	2	0	0	0	0	0	2	0	0	2
OU2MW-39I	25.0 - 30.0	0	5	0	4	18	0	0	18	5	0	18
OU2MW-39I2	45.0 - 50.0	0	1	3	0	84	228	0	84	15	0	228
OU2MW-39D	70.0 - 75.0	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
OU2MW-40I	18.0 - 23.0	270	168	24	0	0	0	0	270	102	0	270
OU2MW-41S	5.0 - 15.0	8	0	0	0	4	0	0	92	15	0	92
OU2MW-41I	18.0 - 23.0	1,433	585	526	48	358	5	48	1,625	868	5	1,625
OU2MW-42S	5.0 - 15.0	--	22	11	0	3	0	0	22	9	0	22
OU2MW-42I	25.0 - 30.0	--	4	86	18	13	33	4	86	30	4	86
OU2MW-42I2	45.0 - 50.0	--	0	0	0	2	4	0	2	1	0	4
OU2MW-42D	60.0 - 65.0	--	0	100	45	8	12	0	100	38	0	100
OU2MW-43S	5.0 - 15.0	--	--	--	963	1	118	1	963	482	1	963
OU2MW-43I	25.0 - 30.0	--	--	--	205	0	2	0	205	103	0	205
OU2MW-43I2	45.0 - 50.0	--	--	--	81	5	13	5	81	43	5	81
OU2MW-43D	65.0 - 70.0	--	--	--	58	14	4	14	58	36	4	58
OU2MW-44S	5.0 - 15.0	--	--	--	0	0	0	0	0	0	0	0
OU2MW-44I	25.0 - 30.0	--	--	--	0	0	0	0	0	0	0	0
OU2MW-44I2	45.0 - 50.0	--	--	--	0	0	0	0	0	0	0	0
OU2MW-44D	65.0 - 70.0	--	--	--	0	0	0	0	0	0	0	0
OU2MW-45S	5.0 - 15.0	60	15	27	67	1	0	1	108	46	0	108
OU2MW-45I	20.0 - 25.0	10	20	1	2	600	62	1	600	106	1	600
OU2MW-45I2	40.0 - 45.0	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
OU2MW-46S	5.0 - 15.0	422	21	0	0	0	0	0	422	144	0	422
OU2MW-46I	20.0 - 25.0	1,991	37	0	0	0	0	0	1,991	654	0	1,991
OU2MW-46I2	40.0 - 45.0	375	185	0	0	0	0	0	375	94	0	375
OU2MW-47S	5.0 - 15.0	146	0	0	5	0	0	0	148	50	0	148
OU2MW-47I	20.0 - 25.0	2,714	40	0	0	0	0	0	2,714	632	0	2,714
OU2MW-47I2	40.0 - 45.0	159	7	173	3	2	57	2	297	107	2	297
OU2MW-47D	60.0 - 65.0	569	695	258	234	39	13	39	695	378	13	695
OU2MW-55S	5.0 - 15.0	--	--	--	--	--	8	--	--	--	8	8
OU2MW-55I	30.0 - 35.0	--	--	--	--	--	18	--	--	--	18	18
OU2MW-55I2	50.0 - 55.0	--	--	--	--	--	120	--	--	--	120	120
OU2MW-55D	65.0 - 70.0	--	--	--	--	--	159	--	--	--	159	159
OU2MW-56S	5.0 - 15.0	--	--	--	--	--	0	--	--	--	0	0
OU2MW-56I	25.0 - 30.0	--	--	--	--	--	45	--	--	--	45	45
OU2MW-56I2	45.0 - 50.0	--	--	--	--	--	0	--	--	--	0	0
OU2MW-56D	65.0 - 70.0	--	--	--	--	--	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								
		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	908	
BBMW-24I	32.0 - 42.0	--	--	--	--	6,632	11,246	6,000	4,815	
BBMW-24D	59.5 - 69.5	--	--	--	--	7,412	--	6,000	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 Sept	1999 Sept Oct/Nov		2002 Jan/Feb Apr/May Nov/Dec			2003 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									
		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									
		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						Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2009				2010						
		Jan-Mar	Apr-Jun	July-Sep	Oct-Dec	Jan-Mar	Apr-Jun					
BBMW-02S	5.0 - 15.0	0	0	0	0	0	0	2	0	0	0	2
BBMW-02I	30.0 - 40.0	0	0	0	0	0	0	0	0	0	0	0
BBMW-02D	73.0 - 83.0	0	0	0	0	0	0	2	0	0	0	2
BBMW-15S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0
BBMW-15I	23.0 - 28.0	48	0	0	0	0	0	48	4	0	0	48
BBMW-15I2	35.0 - 45.0	0	0	0	0	0	0	77	4	0	0	77
BBMW-15D	70.0 - 80.0	0	0	0	0	0	0	2	0	0	0	2
BBMW-16S	5.0 - 15.0	0	0	0	0	0	0	2	0	0	0	2
BBMW-16I	35.0 - 45.0	0	0	0	0	0	0	2	0	0	0	2
BBMW-16D	68.0 - 78.0	0	0	0	0	0	0	23	2	0	0	23
BBMW-24S	4.0 - 14.0	0	0	0	1	0	0	908	40	0	0	908
BBMW-24I	32.0 - 42.0	0	1,027	0	0	0	0	11,246	3,286	0	0	11,246
BBMW-24D	59.5 - 69.5	233	13	53	131	268	114	0	8,110	2,250	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	62	8	0	0	62
OU2MW-08S	20.0 - 25.0	4,426	4,661	4,301	714	1,958	820	714	13,563	6,235	714	13,563
OU2MW-08I	35.0 - 40.0	4,781	7,615	2,887	1	344	9	1	12,258	3,770	1	12,258
OU2MW-08I2	50.0 - 55.0	906	0	70	2,140	2,182	524	0	3,501	1,706	0	3,501
OU2MW-08D	65.0 - 70.0	0	0	0	0	0	0	0	3,892	223	0	3,892
OU2MW-19I	13.0 - 23.0	175	92	146	55	26	11	26	1,459	419	11	1,459
OU2MW-19I2	35.0 - 45.0	7,147	6,811	3,337	5,885	644	41	644	7,648	5,490	41	7,648
OU2MW-19D	65.0 - 70.0	1,862	2,841	3,601	2,932	0	0	0	3,718	2,251	0	3,718
OU2MW-20S	4.0 - 9.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-20I	13.0 - 23.0	74	0	0	5	1	2	0	101	34	0	101
OU2MW-20I2	35.0 - 45.0	0	0	0	0	0	0	0	4	1	0	4
OU2MW-20D	65.0 - 70.0	0	0	0	2	0	0	0	2	1	0	2
OU2MW-21S	5.0 - 15.0	341	9	4	0	0	13	0	424	130	0	424
OU2MW-21I	13.0 - 23.0	1,948	24	86	0	17	29	0	5,417	1,494	0	5,417
OU2MW-21I2	35.0 - 45.0	3,902	1,244	110	10	6	1	6	3,985	2,039	1	3,985
OU2MW-22S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-22I	25.0 - 30.0	32	0	23	0	0	0	0	181	39	0	181
OU2MW-22I2	46.0 - 51.0	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
OU2MW-23S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-23I	25.0 - 30.0	178	63	323	0	0	0	0	429	166	0	429
OU2MW-23I2	45.0 - 50.0	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
OU2MW-24S	5.0 - 15.0	0	0	3	0	258	0	0	258	44	0	258
OU2MW-24I	25.0 - 30.0	5,796	1,068	493	80	0	5	0	6,015	2,242	0	6,015
OU2MW-24I2	45.0 - 50.0	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

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					
OU2MW-25S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-25I	25.0 - 30.0	121	133	72	63	45	0	45	149	97	0	149
OU2MW-25I2	45.0 - 50.0	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
OU2MW-26S	6.0 - 11.0	0	0	0	0	0	0	0	5	1	0	5
OU2MW-26I	13.0 - 23.0	277	0	3	0	1	1	0	277	97	0	277
OU2MW-26I2	35.0 - 45.0	2,576	26	14	7	15	6	7	3,990	956	6	3,990
OU2MW-26D	60.0 - 70.0	1,742	3,482	4,328	5,814	4,267	2,232	149	5,814	2,722	149	5,814
OU2MW-27S	5.0 - 15.0	--	--	--	0	0	0	0	0	0	0	0
OU2MW-27I	25.0 - 30.0	--	--	--	10	2	0	2	10	6	0	10
OU2MW-27I2	45.0 - 50.0	--	--	--	18	8	0	8	18	13	0	18
OU2MW-27D	65.0 - 70.0	--	--	--	1,150	0	2	0	1,150	575	0	1,150
OU2MW-28S	5.0 - 15.0	0	1	0	0	0	0	0	1	0	0	1
OU2MW-28I	28.0 - 33.0	121	0	11	13	0	0	0	283	80	0	283
OU2MW-28I2	40.0 - 45.0	15	0	1,712	532	79	4,443	0	1,712	338	0	4,443
OU2MW-29I	18.0 - 23.0	700	513	38	6	0	0	0	1,083	458	0	1,083
OU2MW-29I2	30.0 - 35.0	2,778	6,117	274	501	76	57	76	6,159	2,792	57	6,159
OU2MW-29D	45.0 - 50.0	314	2,842	2,937	2,890	1,726	789	314	2,937	2,263	314	2,937
OU2MW-30S	5.0 - 15.0	10	0	0	0	0	0	0	1,990	286	0	1,990
OU2MW-30I	25.0 - 30.0	5,175	2,186	33	6	11	5	6	7,304	2,896	5	7,304
OU2MW-30I2	30.0 - 35.0	6,025	4,696	195	76	6	2	6	6,605	3,325	2	6,605
OU2MW-30I3	45.0 - 50.0	5,562	5,586	94	80	3	0	3	5,586	2,360	0	5,586
OU2MW-30D	50.0 - 55.0	1,652	4,681	84	586	8	3	8	5,989	2,012	3	5,989
OU2MW-30D2	60.0 - 65.0	4,735	2,274	15	2,904	147	2,248	15	4,735	2,486	15	4,735
OU2MW-31I	18.0 - 23.0	79	137	4	0	0	0	0	488	131	0	488
OU2MW-31I2	30.0 - 35.0	0	841	21	1	0	0	0	841	124	0	841
OU2MW-32S	5.0 - 15.0	63	0	0	0	0	0	0	63	9	0	63
OU2MW-32I	20.0 - 25.0	2,818	7,796	4,621	2,814	1,579	573	1,579	7,796	3,947	573	7,796
OU2MW-32I2	30.0 - 35.0	1,164	408	94	39	503	578	39	5,230	1,557	39	5,230
OU2MW-32D	40.0 - 45.0	189	32	10	0	0	0	0	1,336	228	0	1,336
OU2MW-33S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-33I	25.0 - 30.0	565	158	39	66	25	63	25	565	171	25	565
OU2MW-33I2	35.0 - 40.0	104	14	4	679	16	6	4	679	163	4	679
OU2MW-33D	50.0 - 55.0	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
OU2MW-34I	25.0 - 30.0	257	333	153	280	295	195	153	333	264	153	333
OU2MW-34I2	45.0 - 50.0	3	0	0	11	0	0	0	11	3	0	11
OU2MW-35S	5.0 - 15.0	0	0	0	0	0	0	0	3	1	0	3
OU2MW-35I	25.0 - 30.0	250	8	0	0	0	0	0	2,270	421	0	2,270
OU2MW-35I2	45.0 - 50.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-35D	57.0 - 62.0	0	0	0	0	0	0	0	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					
OU2MW-36S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-36I	25.0 - 30.0	573	325	0	0	0	0	0	1,302	367	0	1,302
OU2MW-36I2	45.0 - 50.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-36D	61.0 - 66.0	1	0	0	0	0	0	0	1	0	0	1
OU2MW-37S	5.0 - 15.0	0	3	0	0	0	0	0	3	1	0	3
OU2MW-37I	25.0 - 30.0	38	216	23	0	11	0	0	216	55	0	216
OU2MW-37I2	45.0 - 50.0	0	3	0	0	0	0	0	3	1	0	3
OU2MW-37D	67.0 - 72.0	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
OU2MW-38I	25.0 - 30.0	2,202	206	61	14	0	0	0	2,992	913	0	2,992
OU2MW-38I2	46.0 - 51.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-38D	56.0 - 61.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-39S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-39I	25.0 - 30.0	4	3	0	0	0	0	0	32	7	0	32
OU2MW-39I2	45.0 - 50.0	0	55	130	1	671	220	0	671	143	0	671
OU2MW-39D	70.0 - 75.0	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
OU2MW-40I	18.0 - 23.0	167	71	25	16	14	0	14	167	83	0	167
OU2MW-41S	5.0 - 15.0	0	0	0	0	1	19	0	143	21	0	143
OU2MW-41I	18.0 - 23.0	4,276	1,981	540	129	543	0	129	4,276	1,946	0	4,276
OU2MW-42S	5.0 - 15.0	--	107	0	0	5	0	0	107	28	0	107
OU2MW-42I	25.0 - 30.0	--	2	0	0	106	14	0	106	27	0	106
OU2MW-42I2	45.0 - 50.0	--	0	0	0	0	0	0	0	0	0	0
OU2MW-42D	60.0 - 65.0	--	4	185	373	199	80	4	373	190	4	373
OU2MW-43S	5.0 - 15.0	--	--	--	219	31	0	31	219	125	0	219
OU2MW-43I	25.0 - 30.0	--	--	--	197	18	0	18	197	108	0	197
OU2MW-43I2	45.0 - 50.0	--	--	--	5,130	10	96	10	5,130	2,570	10	5,130
OU2MW-43D	65.0 - 70.0	--	--	--	14	71	10	14	71	43	10	71
OU2MW-44S	5.0 - 15.0	--	--	--	0	0	0	0	0	0	0	0
OU2MW-44I	25.0 - 30.0	--	--	--	1	0	0	0	1	1	0	1
OU2MW-44I2	45.0 - 50.0	--	--	--	0	0	0	0	0	0	0	0
OU2MW-44D	65.0 - 70.0	--	--	--	0	0	0	0	0	0	0	0
OU2MW-45S	5.0 - 15.0	--	--	--	45	0	0	0	45	23	0	45
OU2MW-45I	20.0 - 25.0	8	5	1	2	200	25	1	200	41	1	200
OU2MW-45I2	40.0 - 45.0	7	0	0	0	0	0	0	39	8	0	39
OU2MW-45D	55.0 - 60.0	0	0	2	0	0	0	0	2	0	0	2
OU2MW-46S	5.0 - 15.0	31	0	0	0	0	0	0	31	5	0	31
OU2MW-46I	20.0 - 25.0	2,169	12	0	0	0	0	0	2,503	781	0	2,503
OU2MW-46I2	40.0 - 45.0	4	56	0	0	0	0	0	56	10	0	56
OU2MW-47S	5.0 - 15.0	0	0	0	0	0	0	0	56	9	0	56
OU2MW-47I	20.0 - 25.0	1,043	4	0	1	0	0	0	1,043	306	0	1,043
OU2MW-47I2	40.0 - 45.0	3,627	8	31	7	4	8	4	6,146	1,637	4	6,146
OU2MW-47D	60.0 - 65.0	7,007	6,751	3,906	1,550	0	6	0	7,437	4,442	0	7,437
OU2MW-55S	5.0 - 15.0	--	--	--	--	--	0	--	--	--	0	0
OU2MW-55I	30.0 - 35.0	--	--	--	--	--	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									
		1992	1999		2000	2002			2003		
Sept	Sept	Oct/Nov	Nov/Dec	Jan/Feb	Apr/May	Nov/Dec	Feb-Apr	Jul/Aug	Sept/Oct		
BBMW-03S	3.0 - 13.0	--	--	0	--	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		
	Sept	Sept	Oct/Nov	Nov/Dec	Jan/Feb	Apr/May	Nov/Dec	Feb-Apr	Jul/Aug	Sept/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	June	August	Nov/Dec	March	June
BBMW-03S	3.0 - 13.0	--	--	0	0	--	--	0	--	0	0
BBMW-03I	30.0 - 40.0	--	--	0	0	--	--	0	--	0	0
BBMW-03D	52.0 - 62.0	--	--	--	0	--	--	0	--	0	0
BBMW-07S	5.0 - 15.0	160	11	39	20	0	--	--	0	0	0
BBMW-07I	30.0 - 40.0	--	--	--	0	--	--	--	--	--	--
BBMW-07D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--
BBMW-25S	4.0 - 14.0	0	--	0	0	0	--	0	0	0	0
BBMW-25I	25.0 - 35.0	1,304	936	865	1,007	1,995	--	1,082	1,360	264	0
BBMW-25D	62.0 - 72.0	29	20	0	110	78	--	47	--	11	21
GM-05S	5.1 - 20.1	0	0	157	0	134	0	40	57	140	21
GM-05I	35.05 - 48.05	--	--	0	0	--	--	--	--	0	--
GM-05D	60.95 - 75.95	--	--	0	--	--	--	--	--	0	--
GMP-01	25.0 - 30.0	692	455	587	200	2,130	3,200	1,280	250	562	577
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	June	August	Nov/Dec	March	June
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	March	May-July	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	July-Sep	Oct-Dec
BBMW-03S	3.0 - 13.0	0	0	393	0	0	0	0	0	0	0
BBMW-03I	30.0 - 40.0	0	0	0	0	0	0	0	0	0	0
BBMW-03D	52.0 - 62.0	0	0	0	0	0	0	0	0	0	0
BBMW-07S	5.0 - 15.0	37	0	0	0	0	0	0	0	0	0
BBMW-07I	30.0 - 40.0	--	--	--	0	--	0	0	0	0	0
BBMW-07D	55.0 - 65.0	--	--	25	0	--	0	0	0	0	0
BBMW-25S	4.0 - 14.0	0	0	0	0	0	0	2	0	0	0
BBMW-25I	25.0 - 35.0	79	344	0	150	252	41	158	169	101	523
BBMW-25D	62.0 - 72.0	78	76	0	0	16	6	2	6	8	8
GM-05S	5.1 - 20.1	0	12	0	2	0	14	185	55	16	113
GM-05I	35.05 - 48.05	--	--	0	0	13	0	0	0	0	0
GM-05D	60.95 - 75.95	--	--	0	0	0	0	4	0	0	0
GMP-01	25.0 - 30.0	1,156	4,726	185	169	49	135	182	94	170	655
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	March	May-July	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	July-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	July-Sep	Oct-Dec	Jan-Mar	Apr-Jun					
BBMW-03S	3.0 - 13.0	0	0	0	0	0	0	0	393	17	0	393
BBMW-03I	30.0 - 40.0	0	0	0	0	0	0	0	2	0	0	2
BBMW-03D	52.0 - 62.0	0	0	0	0	0	1	0	3	0	0	3
BBMW-07S	5.0 - 15.0	0	0	0	0	0	0	0	241	22	0	241
BBMW-07I	30.0 - 40.0	0	0	0	0	0	0	0	0	0	0	0
BBMW-07D	55.0 - 65.0	0	0	0	0	0	0	0	25	2	0	25
BBMW-25S	4.0 - 14.0	0	0	0	0	0	0	0	58	2	0	58
BBMW-25I	25.0 - 35.0	469	301	46	18	6	0	0	1,995	588	0	1,995
BBMW-25D	62.0 - 72.0	35	32	2	4	15	9	0	110	31	0	110
GM-05S	5.1 - 20.1	8	36	11	6	8	7	0	422	78	0	422
GM-05I	35.05 - 48.05	0	0	0	0	0	0	0	13	1	0	13
GM-05D	60.95 - 75.95	2	0	0	0	0	0	0	4	0	0	4
GMP-01	25.0 - 30.0	762	869	432	372	535	247	49	4,726	777	49	4,726
GMP-02	18.0 - 23.0	0	0	0	0	0	0	0	2,275	473	0	2,275
GMP-04	15.5 - 20.5	0	0	0	0	0	0	0	1,483	216	0	1,483
OU2IW-01S	3.0 - 8.0	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
OU2MW-01S	20.0 - 25.0	69	334	107	2	0	4	0	1,243	273	0	1,243
OU2MW-01I	35.0 - 40.0	2	195	186	4	2	0	1	885	214	0	885
OU2MW-01I2	50.0 - 55.0	0	0	3	1	0	47	0	195	30	0	195
OU2MW-01D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-02S	20.0 - 25.0	5	184	46	0	0	0	0	573	112	0	573
OU2MW-02I	35.0 - 40.0	370	335	350	154	378	118	154	645	376	118	645
OU2MW-02I2	50.0 - 55.0	3	2	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
OU2MW-03S	20.0 - 25.0	30	99	48	90	13	0	0	1,108	178	0	1,108
OU2MW-03I	35.0 - 40.0	366	15	0	14	158	219	0	1,262	116	0	1,262
OU2MW-03I2	50.0 - 55.0	5	38	10	8	2	0	0	38	6	0	38
OU2MW-03D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-04WT	3.0 - 8.0	0	0	0	0	0	0	0	10	1	0	10
OU2MW-04S	20.0 - 25.0	841	891	654	818	345	70	200	3,130	772	70	3,130
OU2MW-04I	35.0 - 40.0	97	198	28	22	68	68	0	885	170	0	885
OU2MW-04I2	50.0 - 55.0	0	189	1	0	63	36	0	189	18	0	189
OU2MW-04D	65.0 - 70.0	2	0	0	0	0	0	0	3	1	0	3
OU2MW-05	25.0 - 35.0	466	290	369	242	94	137	94	3,159	506	94	3,159
OU2MW-06S	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-06	15.0 - 25.0	0	0	0	0	0	3	0	1,085	65	0	1,085
OU2MW-07S	3.0 - 8.0	0	0	0	0	0	0	0	1	0	0	1
OU2MW-07	15.0 - 25.0	0	2	0	0	4	53	0	59	11	0	59
OU2MW-09	30.0 - 40.0	0	0	0	0	0	1	0	0	0	0	1
OU2MW-10S	3.0 - 7.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-10I	20.0 - 25.0	76	33	32	36	0	41	0	906	128	0	906
OU2MW-10D	35.0 - 40.0	78	0	28	43	0	2	0	351	61	0	351
OU2MW-11S	3.0 - 8.0	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	July-Sep	Oct-Dec	Jan-Mar	Apr-Jun					
OU2MW-11I	20.0 - 25.0	170	132	69	153	48	187	13	356	174	13	356
OU2MW-11I2	30.0 - 35.0	98	25	1	66	10	0	1	329	91	0	329
OU2MW-11D	40.0 - 45.0	8	5	20	18	26	56	0	26	7	0	56
OU2MW-12S	3.0 - 7.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-12I	20.0 - 25.0	107	48	139	96	77	13	48	466	120	13	466
OU2MW-12I2	30.0 - 35.0	53	19	7	58	0	2	0	58	17	0	58
OU2MW-12D	40.0 - 45.0	0	0	0	0	0	80	0	23	7	0	80
OU2MW-13S	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-13I	20.0 - 25.0	13	3	22	0	19	8	0	29	10	0	29
OU2MW-13D	35.0 - 40.0	34	13	29	23	9	10	0	34	14	0	34
OU2MW-14S	3.0 - 8.0	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
OU2MW-14I2	45.0 - 50.0	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
OU2MW-15I	20.0 - 25.0	0	63	175	3	0	0	0	795	95	0	795
OU2MW-15I2	30.0 - 35.0	0	0	0	0	0	0	0	599	81	0	599
OU2MW-15D	40.0 - 45.0	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
OU2MW-16I	15.0 - 20.0	0	0	0	0	0	0	0	79	8	0	79
OU2MW-16I2	25.0 - 30.0	0	0	84	0	0	0	0	84	13	0	84
OU2MW-16D	35.0 - 40.0	0	2	0	0	0	0	0	149	13	0	149
OU2MW-52S	3.0 - 8.0	--	0	0	0	0	0	0	0	0	0	0
OU2MW-52I	20.0 - 25.0	--	128	0	0	0	0	0	128	32	0	128
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	2	0	0	2	1	0	2

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	
		Sept	Sept	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	--	--	--	--	--	--	--	--

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	
		Sept	Sept	Oct/Nov	Nov/Dec	Jan/Feb	Apr/May	Nov/Dec	Feb-Apr
OU2MW-10S	3.0 - 7.0	--	--	--	--	--	--	--	--
OU2MW-10I	20.0 - 25.0	--	--	--	--	--	--	--	--
OU2MW-10D	35.0 - 40.0	--	--	--	--	--	--	--	--
OU2MW-11S	3.0 - 8.0	--	--	--	--	--	--	--	--
OU2MW-11I	20.0 - 25.0	--	--	--	--	--	--	--	--
OU2MW-11I2	30.0 - 35.0	--	--	--	--	--	--	--	--
OU2MW-11D	40.0 - 45.0	--	--	--	--	--	--	--	--
OU2MW-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	Sept/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	June
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	--	--	--	--	--	--	--	--

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	Sept/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	June
OU2MW-10S	3.0 - 7.0	--	--	--	--	--	--	--	--
OU2MW-10I	20.0 - 25.0	--	--	--	--	--	--	--	--
OU2MW-10D	35.0 - 40.0	--	--	--	--	--	--	--	--
OU2MW-11S	3.0 - 8.0	--	--	--	--	--	--	--	--
OU2MW-11I	20.0 - 25.0	--	--	--	--	--	--	--	--
OU2MW-11I2	30.0 - 35.0	--	--	--	--	--	--	--	--
OU2MW-11D	40.0 - 45.0	--	--	--	--	--	--	--	--
OU2MW-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	
		August	Nov/Dec	March	June	Jul/Aug	Nov/Dec	March	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

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	
		August	Nov/Dec	March	June	Jul/Aug	Nov/Dec	March	May-July
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
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

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-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
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					
BBMW-03S	3.0 - 13.0	0	0	0	0	0	283	12	0	283
BBMW-03I	30.0 - 40.0	0	0	0	0	0	2	0	0	2
BBMW-03D	52.0 - 62.0	0	0	0	25	0	186	9	0	186
BBMW-07S	5.0 - 15.0	0	0	0	0	0	710	34	0	710
BBMW-07I	30.0 - 40.0	0	0	0	0	0	0	0	0	0
BBMW-07D	55.0 - 65.0	0	0	0	0	0	873	63	0	873
BBMW-25S	4.0 - 14.0	0	0	0	0	0	22	2	0	22
BBMW-25I	25.0 - 35.0	105	11	3	0	0	10,185	2,541	0	10,185
BBMW-25D	62.0 - 72.0	0	0	0	8	0	1,553	235	0	1,553
GM-05S	5.1 - 20.1	9	19	2	0	0	2,453	273	0	2,453
GM-05I	35.05 - 48.05	0	0	0	0	0	51	3	0	51
GM-05D	60.95 - 75.95	0	0	0	0	0	28	1	0	28
GMP-01	25.0 - 30.0	651	175	1,916	1,228	159	10,183	2,735	159	10,183
GMP-02	18.0 - 23.0	0	0	0	0	0	8,837	2,138	0	8,837
GMP-04	15.5 - 20.5	0	0	0	0	0	1,720	395	0	1,720
OU2IW-01S	3.0 - 8.0	0	0	0	0	0	48	4	0	48
OU2MW-01WT	3.0 - 8.0	0	0	0	0	0	70	6	0	70
OU2MW-01S	20.0 - 25.0	1,953	0	0	0	0	6,927	949	0	6,927
OU2MW-01I	35.0 - 40.0	109	0	0	0	0	8,222	1,253	0	8,222
OU2MW-01I2	50.0 - 55.0	0	0	0	364	0	1,249	106	0	1,249
OU2MW-01D	65.0 - 70.0	0	0	0	0	0	0	0	0	0
OU2MW-02S	20.0 - 25.0	44	0	0	6	0	424	113	0	424
OU2MW-02I	35.0 - 40.0	2,385	748	2,515	1,278	43	5,251	2,455	43	5,251
OU2MW-02I2	50.0 - 55.0	0	0	0	0	0	30	6	0	30
OU2MW-02D	65.0 - 70.0	4	0	0	0	0	17	2	0	17
OU2MW-03S	20.0 - 25.0	118	142	71	20	0	401	172	0	401
OU2MW-03I	35.0 - 40.0	0	6	56	61	0	146	24	0	146
OU2MW-03I2	50.0 - 55.0	0	1	0	0	0	144	11	0	144
OU2MW-03D	65.0 - 70.0	0	0	0	0	0	6	1	0	6
OU2MW-04WT	3.0 - 8.0	0	0	0	0	0	0	0	0	0
OU2MW-04S	20.0 - 25.0	3,770	3,393	4,529	352	334	12,611	4,791	334	12,611
OU2MW-04I	35.0 - 40.0	0	10	241	0	0	6,438	1,409	0	6,438
OU2MW-04I2	50.0 - 55.0	0	4	536	14	0	1,340	148	0	1,340
OU2MW-04D	65.0 - 70.0	0	0	0	0	0	0	0	0	0
OU2MW-05	25.0 - 35.0	735	19	288	484	19	8,049	2,080	19	8,049
OU2MW-06S	3.0 - 8.0	0	0	0	0	0	10	1	0	10
OU2MW-06	15.0 - 25.0	0	0	0	0	0	9,241	515	0	9,241
OU2MW-07S	3.0 - 8.0	0	0	0	0	0	7	1	0	7
OU2MW-07	15.0 - 25.0	0	0	0	0	0	69	10	0	69
OU2MW-09	30.0 - 40.0	0	0	0	0	0	11	1	0	11

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					
OU2MW-10S	3.0 - 7.0	0	0	0	0	0	5	0	0	5
OU2MW-10I	20.0 - 25.0	3	54	12	37	0	297	52	0	297
OU2MW-10D	35.0 - 40.0	49	5	0	0	0	727	102	0	727
OU2MW-11S	3.0 - 8.0	0	0	0	0	0	4	1	0	4
OU2MW-11I	20.0 - 25.0	46	1,141	220	26	46	3,627	1,042	26	3,627
OU2MW-11I2	30.0 - 35.0	9	193	6	0	0	2,412	398	0	2,412
OU2MW-11D	40.0 - 45.0	54	69	40	77	0	69	16	0	77
OU2MW-12S	3.0 - 7.0	0	0	0	0	0	1	0	0	1
OU2MW-12I	20.0 - 25.0	123	7	851	8	7	1,646	403	7	1,646
OU2MW-12I2	30.0 - 35.0	15	3	2	2	0	720	87	0	720
OU2MW-12D	40.0 - 45.0	0	0	0	992	0	108	26	0	992
OU2MW-13S	3.0 - 8.0	0	0	0	0	0	0	0	0	0
OU2MW-13I	20.0 - 25.0	7	0	15	36	0	33	10	0	36
OU2MW-13D	35.0 - 40.0	31	24	21	15	0	31	13	0	31
OU2MW-14S	3.0 - 8.0	0	0	0	0	0	0	0	0	0
OU2MW-14I	20.0 - 25.0	0	0	0	0	0	2	0	0	2
OU2MW-14I2	45.0 - 50.0	0	0	0	0	0	0	0	0	0
OU2MW-15S	3.0 - 8.0	0	0	0	0	0	0	0	0	0
OU2MW-15I	20.0 - 25.0	219	24	0	0	0	261	53	0	261
OU2MW-15I2	30.0 - 35.0	0	0	0	0	0	320	33	0	320
OU2MW-15D	40.0 - 45.0	0	0	0	0	0	2	0	0	2
OU2MW-16S	3.0 - 8.0	0	0	0	0	0	0	0	0	0
OU2MW-16I	15.0 - 20.0	0	0	0	0	0	22	2	0	22
OU2MW-16I2	25.0 - 30.0	0	0	0	0	0	16	3	0	16
OU2MW-16D	35.0 - 40.0	0	0	0	0	0	102	9	0	102
OU2MW-52S	3.0 - 8.0	0	0	0	0	0	0	0	0	0
OU2MW-52I	20.0 - 25.0	0	0	25	0	0	101	32	0	101
OU2MW-52D	35.0 - 40.0	0	0	0	0	0	0	0	0	0
OU2MW-53S	3.0 - 8.0	0	0	0	0	0	0	0	0	0
OU2MW-53I	20.0 - 25.0	0	0	0	0	0	0	0	0	0
OU2MW-53D	35.0 - 40.0	0	0	0	0	0	0	0	0	0

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	BBMW-01S	BBMW-01S	BBMW-01S	BBMW-01I	BBMW-01I	BBMW-01I	DUP-15 Q2	BBMW-01D	BBMW-01D	BBMW-01D	BBMW-02S	BBMW-02I	BBMW-02D	BBMW-03S
Screened Interval:	AWQS	5-15 ft	5-15 ft	5-15 ft	32-42 ft	32-42 ft	32-42 ft	32-42 ft	68.5-78.5 ft	68.5-78.5 ft	68.5-78.5 ft	5-15 ft	30-40 ft	73-83 ft	3-13 ft
Sample Date:		4/22/2010	5/19/2010	6/22/2010	4/22/2010	5/19/2010	6/22/2010	6/22/2010	4/22/2010	5/19/2010	6/22/2010	4/23/2010	4/23/2010	4/23/2010	4/20/2010
Parent Sample:								BBMW-01I							
BTEX (ug/L)															
Benzene	1	2 J	6	2 J	6	2 J	3 J	3 J	3 J	3 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	4 J	2 J	2 J	10 U	10 U	10 U	10 U
Ethylbenzene	5	9	31	17	10 U	11	10 U	10 U	53	40	35	10 U	10 U	10 U	10 U
Xylene, m,p-	5	2 J	5 J	5 J	21	13	6 J	6 J	28	21	25	10 U	10 U	10 U	10 U
Xylene, o-	5	26	89	14	6	4 J	2 J	2 J	32	19	18	10 U	10 U	10 U	10 U
Total BTEX	NE	39	131	38	33	30	11	11	120	85	83	ND	ND	ND	ND
Other VOCs (ug/L)															
Acetaldehyde	8*	10 UJ	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Acetone	50*	10 UJ	1 J	10 UJ	10 UJ	8	6	4 J	10 UJ	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 UJ	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 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U	10 U	10 UJ	10 UJ	10 U	10 U	10 UJ	10 UJ	10 UJ
Bromomethane	5	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ
Butadiene, 1,3-	NE	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U
Butanone, 2-	50*	10 U	10 U	10 UJ	1 J	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon disulfide	60*	10 U	10 UJ	10 U	10 U	10 UJ	10 UJ	10 U	10 U	10 UJ	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 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 UJ	10 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	7	10 U	10 U	10 U	2 J	1 J	2 J	2 J	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 UJ	10 UJ	10 U	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	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ
Cryofluorane	NE	10 U	10 UJ	10 U	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U
Cyclohexane	NE	10 UJ	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U
Decane, n-	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	50*	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
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 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Dichloroethane, 1,1-	5	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 U	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	10 U	10 U
Dichloroethane, 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
Dichloroethane, 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	R
Dodecane, n-	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethanol	NE	R	R	R	500 U	R	R	R	R	R	R	R	R	R	R
Heptane, n-	NE	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U
Hexachlorobutadiene	0.5	10 U	10 UJ	10 U	10 U	10 UJ	10 UJ	10 U	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 UJ
Hexane, n-	NE	10 UJ	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U
Hexanone, 2-	50*	10 U	10 U	10 UJ	10 U	10 U	10 U	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	OU2
Sample Name:	BBMW-01S	BBMW-01S	BBMW-01S	BBMW-01I	BBMW-01I	BBMW-01I	DUP-15 Q2	BBMW-01D	BBMW-01D	BBMW-01D	BBMW-01D	BBMW-02S	BBMW-02I	BBMW-02D	BBMW-03S
Screened Interval:	5-15 ft	5-15 ft	5-15 ft	32-42 ft	32-42 ft	32-42 ft	32-42 ft	68.5-78.5 ft	68.5-78.5 ft	68.5-78.5 ft	68.5-78.5 ft	5-15 ft	30-40 ft	73-83 ft	3-13 ft
Sample Date:	4/22/2010	5/19/2010	6/22/2010	4/22/2010	5/19/2010	6/22/2010	6/22/2010	4/22/2010	5/19/2010	6/22/2010	4/23/2010	4/23/2010	4/23/2010	4/23/2010	4/20/2010
Parent Sample:	BBMW-01I														
Isopropyl benzene	5	10	18	7	5	3 J	1 J	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	2 J	1 J	3 J	3 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl-2-pentanone, 4-	NE	10 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ	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*	13	18	6	4300	1300	670 J	600	420	290	310 J	10 U	10 U	10 U	10 U
Nonane	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Octane, n-	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Propanol, 2-	NE	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Propylbenzene, n-	5	3 J	6	2 J	18	7	5	4 J	1 J	1 J	1 J	10 U	10 U	10 U	10 U
Styrene	5	10 U	10 U	10 U	6	2 J	1 J	1 J	19	7	11	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	4 J	4 J	5	4 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrahydrofuran	50*	10 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trans-1,2-dichloroethene	5	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ	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 UJ	10 U	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	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 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 UJ	10 U	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U
Trimethylbenzene 1,3,5-/P-ethyltoluene	NE	19	27	9 J	210	120	80	62	9	7 J	7 J	10 U	10 U	10 U	10 U
Trimethylbenzene, 1,2,4-	5	92	180	63	400 J	170	130 J	90 J	14	12	16	10 U	10 U	10 U	10 U
Trimethylpentane, 2,2,4-	NE	10 UJ	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U
Vinyl acetate	NE	10 U	10 U	10 UJ	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 UJ	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Non-carcinogenic PAHs (ug/L)															
Acenaphthene	20*	25	10 U	29	17	14	9	8	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	6	10 U	6	310 J	220	110	110	5	10 U	5	10 U	10 U	10 U	10 U
Anthracene	50*	3 J	10 U	3 J	7	6	5	5	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	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	13	10 U	12	45	36	32	31	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylnaphthalene, 2-	NE	10 U	10 U	10 U	660	540	210	190	2 J	10 U	3 J	10 U	10 U	10 U	10 U
Naphthalene	10*	5	10 U	2 J	3400	1000	500	440	36	10 U	240	10 U	10 U	10 U	10 U
Phenanthrene	50*	18	10 U	11	39	40	36	36	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	3 J	2 J	2 J	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total Non-carcinogenic PAHs	NE	70	ND	63	4483	1860	904	822	43	ND	248	ND	ND	ND	ND
Carcinogenic PAHs (ug/L)															
Benzo[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene	0	10 U	10 U	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
Dibenzo[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	70	ND	63	4483	1860	904	822	43	ND	248	ND	ND	ND	ND

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	BBMW-01S	BBMW-01S	BBMW-01S	BBMW-01I	BBMW-01I	BBMW-01I	DUP-15 Q2	BBMW-01D	BBMW-01D	BBMW-01D	BBMW-01D	BBMW-02S	BBMW-02I	BBMW-02D	BBMW-03S
Screened Interval:	AWQS	5-15 ft	5-15 ft	5-15 ft	32-42 ft	32-42 ft	32-42 ft	32-42 ft	68.5-78.5 ft	68.5-78.5 ft	68.5-78.5 ft	68.5-78.5 ft	5-15 ft	30-40 ft	73-83 ft	3-13 ft
Sample Date:		4/22/2010	5/19/2010	6/22/2010	4/22/2010	5/19/2010	6/22/2010	6/22/2010	4/22/2010	5/19/2010	6/22/2010	6/22/2010	4/23/2010	4/23/2010	4/23/2010	4/20/2010
Parent Sample:								BBMW-01I								
Total Metals (ug/L)																
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (ug/L)																
Alkalinity	NE	NA	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	NA
Nitrogen, Nitrate	10000	NA	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	NA
Nitrogen, Total	NE	NA	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	NA
Total Phosphorous	NE	NA	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	NA
Sulfide	50*	NA	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	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	OU2	OU2	OU2	OU2	OU2
Sample Name:	NYS	BBMW-03I	BBMW-03D	BBMW-07S	BBMW-07I	BBMW-07D	BBMW-15S	BBMW-15I	BBMW-15I2	BBMW-15D	DUP-04	BBMW-16S	BBMW-16I	BBMW-16D	BBMW-23S	BBMW-23S	BBMW-23S	BBMW-23I	BBMW-23I	BBMW-23I	
Screened Interval:	AWQS	30-40 ft	52-62 ft	5-15 ft	30-40 ft	55-65 ft	5-15 ft	23-28 ft	35-45 ft	70-80 ft	70-80 ft	5-15 ft	35-45 ft	68-78 ft	5-15 ft	5-15 ft	5-15 ft	33-43 ft	33-43 ft	33-43 ft	
Sample Date:		4/20/2010	4/20/2010	5/26/2010	5/26/2010	5/26/2010	4/15/2010	4/15/2010	4/15/2010	4/15/2010	4/15/2010	4/21/2010	4/21/2010	4/21/2010	4/22/2010	5/19/2010	6/22/2010	4/22/2010	5/19/2010	6/22/2010	
Parent Sample:										BBMW-15D											
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	7	6	4 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	10 U	10 U	10 U	10 U	10 U	86	52	37	5	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	6200	5700	6800	520	15	3 J	
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	3300	2500	3300	500	13	2 J	
Xylene, o-	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	940	950	1300	240	13	1 J	
Total BTEX	NE	ND	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10533	9208	11441	1265	41	6	
Other VOCs (ug/L)																					
Acetaldehyde	8*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ	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	10 UJ	2 J	4 J	10 UJ	10 U	10 U	
Allyl chloride	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	10 U	10 UJ	10 UJ	10 U	10 UJ	
Bromodichloromethane	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Bromoform	50*	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 UJ	
Bromomethane	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 U	10 U	10 UJ	10 U	10 U	10 UJ	
Butadiene, 1,3-	NE	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ	
Butanone, 2-	50*	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Carbon disulfide	60*	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 UJ	10 UJ	10 UJ	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 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	6 J	10 U	10 U	10 U	10 U	
Chloroethane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	
Chloroform	7	10 U	10 U	1 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Chloromethane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 UJ	
Chlorotoluene	5	10 U	10 UJ	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	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 UJ	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	
Cyclohexane	NE	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	4 J	10 U	9 J	10 UJ	10 UJ	
Decane, n-	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
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	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	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	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	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	10 U	10 U	10 U	10 U	
Dichlorodifluoromethane	5	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	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 UJ	
Dichloroethane, 1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	
Dichloroethane, 1,2-	0.6	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Dichloroethane, 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	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	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	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	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	10 U	10 U	10 U	10 U	
Dioxane, 1,4-	NE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
Dodecane, n-	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Ethanol	NE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
Heptane, n-	NE	10 U	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 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	
Hexachlorobutadiene	0.5	10 UJ	10 UJ	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 UJ	10 UJ	10 U	10 UJ	10 UJ	
Hexane, n-	NE	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	
Hexanone, 2-	50*	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	

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	OU2	OU2	OU2	OU2	OU2	
Sample Name:	BBMW-03I	BBMW-03D	BBMW-07S	BBMW-07I	BBMW-07D	BBMW-15S	BBMW-15I	BBMW-15I2	BBMW-15D	DUP-04	BBMW-16S	BBMW-16I	BBMW-16D	BBMW-23S	BBMW-23S	BBMW-23S	BBMW-23I	BBMW-23I	BBMW-23I		
Screened Interval:	30-40 ft	52-62 ft	5-15 ft	30-40 ft	55-65 ft	5-15 ft	23-28 ft	35-45 ft	70-80 ft	70-80 ft	5-15 ft	35-45 ft	68-78 ft	5-15 ft	5-15 ft	5-15 ft	33-43 ft	33-43 ft	33-43 ft		
Sample Date:	4/20/2010	4/20/2010	5/26/2010	5/26/2010	5/26/2010	4/15/2010	4/15/2010	4/15/2010	4/15/2010	4/15/2010	4/21/2010	4/21/2010	4/21/2010	4/22/2010	5/19/2010	6/22/2010	4/22/2010	5/19/2010	6/22/2010		
Parent Sample:											BBMW-15D										
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	260 J	260 J	320	45	2 J	10 U		
Methyl tert-butyl ether	10*	34	10 U	10 U	10 U	10 U	10 U	10 U	10 U	19	15	10 U	10 U	10 U	10 U	10 U	10 U	2 J	7	9	
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	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	10 U	10 U	10 U	10 U	
Naphthalene	10*	10 U	31	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2200	3000	2500 J	520	27	6 J		
Nonane	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Octane, n-	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Propanol, 2-	NE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
Propylbenzene, n-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	100	110	130	13	10 U	10 U		
Styrene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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	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	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	10 U	10 U	10 U	10 U	
Trans-1,2-dichloroethene	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 UJ	10 U	10 U	10 UJ	10 UJ	10 UJ	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 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ	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 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	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	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	10 U	10 U	10 U	10 U	
Trichlorofluoromethane	5	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	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	
Trimethylbenzene 1,3,5-/P-ethyltoluene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	310	370	390 J	110	5 J	10 U		
Trimethylbenzene, 1,2,4-	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	960	1100	1300 J	170	7	10 U		
Trimethylpentane, 2,2,4-	NE	2 J	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	7 J	10 J	
Vinyl acetate	NE	10 U	10 U	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	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 UJ	10 U	10 U	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	26	22	26	6	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	1 J	2 J	1 J	19	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	4 J	3 J	5	2 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	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	4 J	3 J	4 J	10 U	10 U	10 U		
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	12	8	10	6	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	130 J	55	120 J	9	10 U	10 U		
Naphthalene	10*	10 U	25	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1800	1200	2100	45	10 U	1 J		
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	18	5	21	10	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	4 J	4 J	5	10 U	10 U	10 U		
Total Non-carcinogenic PAHs	NE	ND	25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1999	1302	2292	97	ND	1		
Carcinogenic PAHs (ug/L)																					
Benz[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benz[a]pyrene	0	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benz[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benz[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Dibenzo[a,h]anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Total PAHs (ug/L)																					
Total PAHs	NE	ND	25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1999	1302	2292	97	ND	1		

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	OU2	OU2	OU2	OU2	OU2
Sample Name:	NYS	BBMW-03I	BBMW-03D	BBMW-07S	BBMW-07I	BBMW-07D	BBMW-15S	BBMW-15I	BBMW-15I2	BBMW-15D	DUP-04	BBMW-16S	BBMW-16I	BBMW-16D	BBMW-23S	BBMW-23S	BBMW-23S	BBMW-23I	BBMW-23I	BBMW-23I
Screened Interval:	AWQS	30-40 ft	52-62 ft	5-15 ft	30-40 ft	55-65 ft	5-15 ft	23-28 ft	35-45 ft	70-80 ft	70-80 ft	5-15 ft	35-45 ft	68-78 ft	5-15 ft	5-15 ft	5-15 ft	33-43 ft	33-43 ft	33-43 ft
Sample Date:		4/20/2010	4/20/2010	5/26/2010	5/26/2010	5/26/2010	4/15/2010	4/15/2010	4/15/2010	4/15/2010	4/15/2010	4/21/2010	4/21/2010	4/21/2010	4/22/2010	5/19/2010	6/22/2010	4/22/2010	5/19/2010	6/22/2010
Parent Sample:										BBMW-15D										
Total Metals (ug/L)																				
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (ug/L)																				
Alkalinity	NE	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	NA
Nitrogen, Total	NE	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	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	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:	NYS	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2
Sample Name:	AWQS	BMW-23D	BMW-23D	BMW-23D	BMW-23D2	BMW-23D2	BMW-23D2	BMW-24S	BMW-24I	BMW-24D	BMW-25S	BMW-25I	DUP-05 Q2	BMW-25D	GM-05S	GM-05I	GM-05D	GMP-01	GMP-02	GMP-04	
Screened Interval:		49.5-59.5 ft	49.5-59.5 ft	49.5-59.5 ft	63-73 ft	63-73 ft	63-73 ft	4-14 ft	32-42 ft	59.5-69.5 ft	4-14 ft	25-35 ft	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	
Sample Date:		4/22/2010	5/19/2010	6/22/2010	4/22/2010	5/19/2010	6/22/2010	4/8/2010	4/8/2010	4/8/2010	4/21/2010	4/21/2010	4/21/2010	4/20/2010	4/29/2010	4/29/2010	5/26/2010	4/22/2010	4/22/2010	4/22/2010	
Parent Sample:													BMW-25I								
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	7	10 U	10 U	110	10 U	10 U	
Toluene	5	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	10 U	10 U	10 U	4 J	10 U	10 U	
Ethylbenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	7	10 U	10 U	10 U	10 U	10 U	10 U	10 U	64	10 U	10 U	
Xylene, m,p-	5	1 J	1 J	1 J	10 U	10 U	10 U	10 U	10 U	27	10 U	10 U	10 U	3 J	10 U	10 U	10 U	27	10 U	10 U	
Xylene, o-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 J	22	10 U	10 U	10 U	6	10 U	10 U	10 U	42	10 U	10 U	
Total BTEX	NE	1	1	1	ND	ND	ND	ND	1	65	ND	ND	ND	9	7	ND	ND	247	ND	ND	
Other VOCs (ug/L)																					
Acetaldehyde	8*	10 UJ	10 U	10 UJ	10 UJ	10 U	10 UJ	R	R	R	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ	
Acetone	50*	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	11 U	10 U	10 U	2 J	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ	
Allyl chloride	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	10 U	10 UJ	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	10 U	10 U	10 U	10 U	
Bromoform	50*	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	
Bromomethane	5	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 UJ	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	
Butadiene, 1,3-	NE	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 UJ	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	1 J	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 UJ	10 UJ	10 U	10 UJ	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	
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	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	10 U	10 U	10 U	10 U	
Chloroethane	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 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	
Chloroform	7	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
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	10 U	10 U	10 U	10 U	
Cryofluorane	NE	10 U	10 UJ	10 UJ	10 U	10 UJ	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	
Cyclohexane	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	
Decane, n-	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
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	10 U	10 U	10 U	10 U	
Dibromomethane, 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	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	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	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	10 U	10 U	10 U	10 U	
Dichlorodifluoromethane	5	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	
Dichloroethane, 1,1-	5	10 UJ	10 U	2 J	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 UJ	10 UJ	10 UJ	
Dichloroethane, 1,2-	0.6	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Dichloroethane, 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	10 U	10 U	10 U	10 U	
Dichloroethane, 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	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	10 U	10 U	10 U	10 U	
Dichloropropane, 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	10 U	10 U	10 U	10 U	
Dichloropropane, 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	10 U	10 U	10 U	10 U	
Dioxane, 1,4-	NE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
Dodecane, n-	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Ethanol	NE	R	R	R	R	R	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 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	
Hexachlorobutadiene	0.5	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	
Hexane, n-	NE	10 UJ	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 UJ	10 UJ	10 UJ	10 UJ	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	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	OU2	OU2	OU2	OU2	OU2	
Sample Name:	NYS	BBMW-23D	BBMW-23D	BBMW-23D	BBMW-23D2	BBMW-23D2	BBMW-23D2	BBMW-24S	BBMW-24I	BBMW-24D	BBMW-25S	BBMW-25I	DUP-05 Q2	BBMW-25D	GM-05S	GM-05I	GM-05D	GMP-01	GMP-02	GMP-04	
Screened Interval:	AWQS	49.5-59.5 ft	49.5-59.5 ft	49.5-59.5 ft	63-73 ft	63-73 ft	63-73 ft	4-14 ft	32-42 ft	59.5-69.5 ft	4-14 ft	25-35 ft	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	
Sample Date:		4/22/2010	5/19/2010	6/22/2010	4/22/2010	5/19/2010	6/22/2010	4/8/2010	4/8/2010	4/8/2010	4/21/2010	4/21/2010	4/21/2010	4/20/2010	4/29/2010	4/29/2010	5/26/2010	4/22/2010	4/22/2010	4/22/2010	
Parent Sample:													BBMW-25I								
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	1 J	10 U	10 U	10 U	8	10 U	10 U
Methyl tert-butyl ether	10*	3 J	11	28	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J	2 J	6	10 U	10 U	10 U	14	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	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	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	22	19	17 J	1 J	10 U	10 UJ	10 U	2 J	270	10 U	10 U	10 U	160	1 J	2 J	10 U	1800	10 U	10 U	10 U
Nonane	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Octane, n-	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Propanol, 2-	NE	R	R	R	R	R	R	500 U	500 U	R	R	R	R	R	R	R	R	R	R	R	R
Propylbenzene, n-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	14	10 U	10 U
Styrene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	21	10 U	10 U	10 U	1 J	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	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	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 UJ	10 UJ	10 UJ	10 U	3 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	10 U	10 U	10 U	10 U	10 U	10 U
Trans-1,2-dichloroethene	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 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ
Trichloro-1,2,2-trifluoroethane, 1,1,2-	5	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Trichlorobenzene, 1,2,4-	5	10 U	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 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	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	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	10 U	10 U	10 U	10 U	10 U
Trichlorofluoromethane	5	10 UJ	10 U	10 U	10 UJ	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	10 UJ	10 UJ
Trimethylbenzene 1,3,5-/P-ethyltoluene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	8 J	10 U	10 U	10 U	4 J	10 U	10 U	10 U	10 U	150	10 U	10 U
Trimethylbenzene, 1,2,4-	5	1 J	2 J	1 J	10 U	10 U	10 U	10 U	10 U	11	10 U	10 U	10 U	4 J	10 UJ	10 UJ	10 U	150 J	10 U	10 U	10 U
Trimethylpentane, 2,2,4-	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Vinyl acetate	NE	10 U	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	10 U	10 U	10 U	10 U	10 U
Vinyl chloride	2	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	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	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	19	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	16	10 U	10 U	10 U	4 J	10 U	10 U	10 U	10 U	140	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	10 U	10 U	10 U	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	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	10 U	10 U	10 U	2 J	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	4 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	29	10 U	10 U
Methylnaphthalene, 2-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	19	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	27	10 U	10 U
Naphthalene	10*	10 U	10 U	2 J	10 U	10 U	10 U	10 U	10 U	71	10 U	10 U	10 U	4 J	10 U	10 U	10 U	10 U	980	10 U	10 U
Phenanthrene	50*	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	10 U	10 U	10 U	24	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	10 U	10 U	10 U	2 J	10 U	10 U
Total Non-carcinogenic PAHs	NE	ND	ND	14	ND	ND	ND	ND	ND	114	ND	ND	ND	8	ND	ND	ND	ND	1228	ND	ND
Carcinogenic PAHs (ug/L)																					
Benzo[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene	0	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz[a,h]anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)																					
Total PAHs	NE	ND	ND	14	ND	ND	ND	ND	ND	114	ND	ND	ND	8	ND	ND	ND	ND	1228	ND	ND

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	OU2	OU2	OU2	OU2	OU2
Sample Name:	NYS	BMW-23D	BMW-23D	BMW-23D	BMW-23D2	BMW-23D2	BMW-23D2	BMW-24S	BMW-24I	BMW-24D	BMW-25S	BMW-25I	DUP-05 Q2	BMW-25D	GM-05S	GM-05I	GM-05D	GMP-01	GMP-02	GMP-04
Screened Interval:	AWQS	49.5-59.5 ft	49.5-59.5 ft	49.5-59.5 ft	63-73 ft	63-73 ft	63-73 ft	4-14 ft	32-42 ft	59.5-69.5 ft	4-14 ft	25-35 ft	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
Sample Date:		4/22/2010	5/19/2010	6/22/2010	4/22/2010	5/19/2010	6/22/2010	4/8/2010	4/8/2010	4/8/2010	4/21/2010	4/21/2010	4/21/2010	4/20/2010	4/29/2010	4/29/2010	5/26/2010	4/22/2010	4/22/2010	4/22/2010
Parent Sample:													BMW-25I							
Total Metals (ug/L)																				
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (ug/L)																				
Alkalinity	NE	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	NA
Nitrogen, Total	NE	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	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	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	OU2
Sample Name:	NYS	OU2IW-01S	DUP-07 Q2	OU2MW-01WT	OU2MW-01S	OU2MW-011	OU2MW-0112	OU2MW-01D	OU2MW-02S	OU2MW-02I	OU2MW-02I2	OU2MW-02D	OU2MW-03S	OU2MW-03I	OU2MW-03I2	OU2MW-03D	
Screened Interval:	AWQS	3-8 ft	3-8 ft	3-8 ft	20-25 ft	35-40 ft	50-55 ft	65-70 ft	20-25 ft	35-40 ft	50-55 ft	65-70 ft	20-25 ft	35-40 ft	50-55 ft	65-70 ft	
Sample Date:		4/27/2010	4/27/2010	4/20/2010	4/20/2010	4/20/2010	4/20/2010	4/20/2010	4/20/2010	4/20/2010	4/20/2010	4/20/2010	4/21/2010	4/21/2010	4/21/2010	4/21/2010	
Parent Sample:		OU2IW-01S															
BTEX (ug/L)																	
Benzene	1	10 U	10 U	10 U	1 J	10 U	10 U	10 U	10 U	10 U	12	10 U	10 U	10 U	170	10 U	10 U
Toluene	5	10 U	10 U	10 U	10 U	10 U	6	10 U	10 U	10 U	11	10 U	10 U	10 U	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	8	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	18	10 U	10 U	10 U	30	10 U	10 U	10 U	2 J	10 U	10 U
Xylene, o-	5	10 U	10 U	10 U	3 J	10 U	23	10 U	10 U	10 U	57	10 U	10 U	10 U	46	10 U	10 U
Total BTEX	NE	ND	ND	ND	4	ND	47	ND	ND	ND	118	ND	ND	ND	219	ND	ND
Other VOCs (ug/L)																	
Acetaldehyde	8*	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 UJ	10 UJ
Acetone	50*	10 U	10 U	10 U	10 U	10 U	1 J	10 U	10 U	2 J	10 U	1 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	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	10 U
Bromoform	50*	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ
Bromomethane	5	10 UJ	10 UJ	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	10 UJ
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	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	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	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	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	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	10 U
Chloroform	7	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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	10 U
Chlorotoluene	5	10 U	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	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	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	2 J	10 U	10 UJ
Decane, n-	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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	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	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	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	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	10 U
Dichlorodifluoromethane	5	10 UJ	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 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	2 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	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	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	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	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	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	10 U
Dioxane, 1,4-	NE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Dodecane, n-	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethanol	NE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Heptane, n-	NE	10 U	10 U	10 UJ	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 UJ
Hexachlorobutadiene	0.5	10 U	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexane, n-	NE	10 U	10 U	10 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	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	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	OU2	OU2
Sample Name:	NYS	OU2IW-01S	DUP-07 Q2	OU2MW-01WT	OU2MW-01S	OU2MW-011	OU2MW-012	OU2MW-01D	OU2MW-02S	OU2MW-02I	OU2MW-02I2	OU2MW-02D	OU2MW-03S	OU2MW-03I	OU2MW-03I2	OU2MW-03D	
Screened Interval:	AWQS	3-8 ft	3-8 ft	3-8 ft	20-25 ft	35-40 ft	50-55 ft	65-70 ft	20-25 ft	35-40 ft	50-55 ft	65-70 ft	20-25 ft	35-40 ft	50-55 ft	65-70 ft	
Sample Date:		4/27/2010	4/27/2010	4/20/2010	4/20/2010	4/20/2010	4/20/2010	4/20/2010	4/20/2010	4/20/2010	4/20/2010	4/20/2010	4/21/2010	4/21/2010	4/21/2010	4/21/2010	
Parent Sample:		OU2IW-01S															
Isopropyl benzene	5	10 U	10 U	10 U	10 U	10 U	3 J	10 U	10 U	15	10 U	10 U	10 U	21	10 U	10 U	
Methyl tert-butyl ether	10*	10 U	10 U	10 U	10 U	9	45	10 U	10 U	10	1 J	10 U	10 U	10 U	11	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	10 U	10 U	10 U	10 U	690	10 U	10 U	1700	10 U	3 J	2 J	5	10 U	10 U	
Nonane	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Octane, n-	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Propanol, 2-	NE	500 U	500 U	R	R	R	R	R	R	R	R	R	R	R	R	R	
Propylbenzene, n-	5	10 U	10 U	10 U	10 U	10 U	2 J	10 U	10 U	6	10 U	10 U	10 U	3 J	10 U	10 U	
Styrene	5	10 U	10 U	10 U	10 U	10 U	9	10 U	10 U	8	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	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	2 J	1 J	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 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	
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 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	
Trimethylbenzene 1,3,5-/P-ethyltoluene	NE	10 U	10 U	10 U	10 U	10 U	20	10 U	10 U	38	10 U	10 U	10 U	2 J	10 U	10 U	
Trimethylbenzene, 1,2,4-	5	10 U	10 U	10 U	10 U	1 J	12	10 U	10 U	8	10 U	10 U	1 J	33	10 U	10 U	
Trimethylpentane, 2,2,4-	NE	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 UJ	10 U	10 UJ	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 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	10 U	
Non-carcinogenic PAHs (ug/L)																	
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	2 J	10 U	3 J	14	10 U	10 U	3 J	14	10 U	10 U	
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	20	10 U	10 U	140	10 U	10 U	6	42	10 U	10 U	
Anthracene	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	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	10 U	10 U	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	2 J	2 J	10 U	10 U	3 J	10 U	10 U	10 U	
Methylnaphthalene, 2-	NE	10 U	10 U	10 U	10 U	10 U	12	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	330	10 U	10 U	1100	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	1 J	19	10 U	10 U	8	5	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	10 U	
Total Non-carcinogenic PAHs	NE	ND	ND	ND	ND	ND	364	ND	6	1278	ND	ND	20	61	ND	ND	
Carcinogenic PAHs (ug/L)																	
Benzo[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo[a]pyrene	0	10 U	10 U	10 U	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	ND	ND	ND	ND	364	ND	6	1278	ND	ND	20	61	ND	ND	

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	OU2	OU2
Sample Name:	NYS	OU2IW-01S	DUP-07 Q2	OU2MW-01WT	OU2MW-01S	OU2MW-011	OU2MW-012	OU2MW-01D	OU2MW-02S	OU2MW-02I	OU2MW-02I2	OU2MW-02D	OU2MW-03S	OU2MW-03I	OU2MW-03I2	OU2MW-03D	OU2MW-03D
Screened Interval:	AWQS	3-8 ft	3-8 ft	3-8 ft	20-25 ft	35-40 ft	50-55 ft	65-70 ft	20-25 ft	35-40 ft	50-55 ft	65-70 ft	20-25 ft	35-40 ft	50-55 ft	65-70 ft	65-70 ft
Sample Date:		4/27/2010	4/27/2010	4/20/2010	4/20/2010	4/20/2010	4/20/2010	4/20/2010	4/20/2010	4/20/2010	4/20/2010	4/20/2010	4/21/2010	4/21/2010	4/21/2010	4/21/2010	4/21/2010
Parent Sample:		OU2IW-01S															
Total Metals (ug/L)																	
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (ug/L)																	
Alkalinity	NE	NA	NA	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	NA	NA
Nitrogen, Nitrate	10000	NA	NA	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	NA	NA
Nitrogen, Total	NE	NA	NA	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	NA	NA
Total Phosphorous	NE	NA	NA	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	NA	NA
Sulfide	50*	NA	NA	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	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	OU2	OU2	OU2	OU2	OU2
Sample Name:	NYS	OU2MW-04WT	OU2MW-04S	OU2MW-04I	OU2MW-04I2	OU2MW-04D	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	OU2MW-10D
Screened Interval:	AWQS	3-8 ft	20-25 ft	35-40 ft	50-55 ft	65-70 ft	25-35 ft	3-8 ft	15-25 ft	3-8 ft	15-25 ft	3-8 ft	20-25 ft	35-40 ft	50-55 ft	65-70 ft	30-40 ft	3-7 ft	20-25 ft	35-40 ft
Sample Date:		4/21/2010	4/21/2010	4/21/2010	4/21/2010	4/21/2010	4/28/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/20/2010	4/6/2010	4/6/2010	4/6/2010
Parent Sample:																				
BTEX (ug/L)																				
Benzene	1	10 U	12	10 U	24	10 U	60	10 U	10 U	10 U	5	10 U	55	10 U	7	10 U	1 J	10 U	17	2 J
Toluene	5	10 U	1 J	7	10 U	10 U	4 J	10 U	10 U	10 U	1 J	10 U	4 J	15	12	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	5	10 U	24	1 J	2 J	10 U	34	10 U	10 U	10 U	14	10 U	82	6	6	10 U	10 U	10 U	19	10 U
Xylene, m,p-	5	10 U	9 J	21	3 J	10 U	14	10 U	10 U	10 U	9 J	10 U	42	88	26	10 U	10 U	10 U	1 J	10 U
Xylene, o-	5	10 U	24	39	7	10 U	25	10 U	3 J	10 U	24	10 U	48	59	41	10 U	10 U	10 U	4 J	10 U
Total BTEX	NE	ND	70	68	36	ND	137	ND	3	ND	53	ND	231	168	92	ND	1	ND	41	2
Other VOCs (ug/L)																				
Acetaldehyde	8*	10 U	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	R	R	R
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	10 UJ	10 UJ	10 UJ	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	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	10 U	10 U	10 U	10 U
Bromoforn	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 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U
Bromomethane	5	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	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 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Butanone, 2-	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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 UJ	10 UJ	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 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	10 U	10 U	10 UJ	10 UJ
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	10 U	10 U	10 U	10 U
Chloroform	7	10 U	10 U	4 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	64	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloromethane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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	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 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U
Cyclohexane	NE	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Decane, n-	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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	10 U	10 U	10 U	10 U
Dibromomethane, 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	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	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	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	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	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 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 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	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	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	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	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	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	10 U	10 U	10 U	10 U
Dioxane, 1,4-	NE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Dodecane, n-	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethanol	NE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Heptane, n-	NE	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	10 U	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	10 U	10 U	10 U	10 U	10 U
Hexane, n-	NE	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	10 U	10 U	10 UJ	10 U	10 U	10 U
Hexanone, 2-	50*	10 U	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	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: Sample Name: Screened Interval: Sample Date: Parent Sample:	NYS AWQS	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2
		OU2MW-04WT	OU2MW-04S	OU2MW-04I	OU2MW-04I2	OU2MW-04D	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	OU2MW-10D
		3-8 ft	20-25 ft	35-40 ft	50-55 ft	65-70 ft	25-35 ft	3-8 ft	15-25 ft	3-8 ft	15-25 ft	3-8 ft	20-25 ft	35-40 ft	50-55 ft	65-70 ft	30-40 ft	3-7 ft	20-25 ft	35-40 ft
		4/21/2010	4/21/2010	4/21/2010	4/21/2010	4/21/2010	4/28/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/20/2010	4/6/2010	4/6/2010	4/6/2010	4/6/2010
Isopropyl benzene	5	10 U	3 J	5	6	10 U	6	10 U	10 U	10 U	10 U	5	3 J	12	10 U	8	10 U	7	10 U	10 U
Methyl tert-butyl ether	10*	10 U	3 J	47	25	10 U	23	10 U	6	10 U	10 U	2 J	25	45	10 U	3 J	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	10 U	10 U	10 U	10 U	10 U
Methylene 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	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	570	1000	240	10 U	630	10 U	10 U	2 J	33	10 U	1100	87	1400	10 U	10 U	10 U	10 U	10 U
Nonane	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Octane, n-	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Propanol, 2-	NE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Propylbenzene, n-	5	10 U	3 J	4 J	1 J	10 U	8	10 U	10 U	10 U	10 U	6	7	6	10 U	10 U	10 U	1 J	10 U	10 U
Styrene	5	10 U	10 U	24	10 U	10 U	2 J	10 U	10 U	10 U	10 U	10 U	14	17	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	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	10 U	10 U	10 U	10 U
Tetrachloroethene	5	10 U	10 U	2 J	10 U	10 U	2 J	10 U	1 J	10 U	10 U	1 J	2 J	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	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	10 U	10 U	10 U	10 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	5	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Trichlorobenzene, 1,2,4-	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	10 U	10 U	10 UJ	10 UJ	10 UJ
Trichloroethane, 1,1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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	10 U	10 U	10 U	10 U
Trichloroethene	5	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	10 U	10 U	10 U	10 U	10 U
Trichlorofluoromethane	5	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 U	10 U	10 U
Trimethylbenzene 1,3,5-/P-ethyltoluene	NE	10 U	28	21	7 J	10 U	69	10 U	10 U	2 J	10 U	55	77	38	10 U	10 U	10 U	1 J	10 U	10 U
Trimethylbenzene, 1,2,4-	5	10 U	63	25	6	10 U	120	10 U	10 U	4 J	10 U	130	120	24	10 U	11	10 U	2 J	10 U	10 U
Trimethylpentane, 2,2,4-	NE	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl acetate	NE	10 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	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	10 U	10 UJ	10 UJ	10 UJ
Non-carcinogenic PAHs (ug/L)																				
Acenaphthene	20*	10 U	12	10 U	4 J	10 U	16	10 U	10 U	10 U	10 U	13	5	26	10 U	10 U	10 U	15	10 U	10 U
Acenaphthylene	NE	10 U	37	10 U	8	10 U	69	10 U	10 U	10 U	10 U	100	10 U	110	10 U	10 U	10 U	11	10 U	10 U
Anthracene	50*	10 U	3 J	10 U	10 U	10 U	4 J	10 U	10 U	10 U	10 U	4 J	10 U	2 J	10 U	10 U	10 U	2 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	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	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	16	10 U	10 U	10 U	17	10 U	10 U	10 U	10 U	22	4 J	2 J	10 U	10 U	10 U	10 U	10 U	10 U
Methylanthracene, 2-	NE	10 U	36	10 U	10 U	10 U	25	10 U	10 U	10 U	10 U	97	10 U	30	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	230	10 U	10 U	10 U	330	10 U	10 U	10 U	10 U	570	10 U	320	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	18	10 U	2 J	10 U	19	10 U	10 U	10 U	10 U	10	10 U	34	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	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total Non-carcinogenic PAHs	NE	ND	352	ND	14	ND	484	ND	ND	ND	ND	820	9	524	ND	ND	ND	37	ND	ND
Carcinogenic PAHs (ug/L)																				
Benzo[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene	0	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzo[a,h]anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)																				
Total PAHs	NE	ND	352	ND	14	ND	484	ND	ND	ND	ND	820	9	524	ND	ND	ND	37	ND	ND

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	OU2	OU2	OU2	OU2	OU2
Sample Name:	NYS	OU2MW-04WT	OU2MW-04S	OU2MW-04I	OU2MW-04I2	OU2MW-04D	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	OU2MW-10D
Screened Interval:	AWQS	3-8 ft	20-25 ft	35-40 ft	50-55 ft	65-70 ft	25-35 ft	3-8 ft	15-25 ft	3-8 ft	15-25 ft	3-8 ft	20-25 ft	35-40 ft	50-55 ft	65-70 ft	30-40 ft	3-7 ft	20-25 ft	35-40 ft
Sample Date:		4/21/2010	4/21/2010	4/21/2010	4/21/2010	4/21/2010	4/28/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/20/2010	4/6/2010	4/6/2010	4/6/2010
Parent Sample:																				
Total Metals (ug/L)																				
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (ug/L)																				
Alkalinity	NE	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	NA
Nitrogen, Total	NE	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	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	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	OU2	OU2	OU2	OU2	OU2	OU2
Sample Name:	OU2MW-11S	OU2MW-11I	OU2MW-11I2	OU2MW-11D	OU2MW-12S	OU2MW-12I	OU2MW-12I2	OU2MW-12D	OU2MW-13S	OU2MW-13I	OU2MW-13D	OU2MW-14S	OU2MW-14I	OU2MW-14I2	OU2MW-15S	OU2MW-15I	OU2MW-15I2	OU2MW-15D	DUP-01 O2	OU2MW-15D	
Screened Interval:	3-8 ft	20-25 ft	30-35 ft	40-45 ft	3-7 ft	20-25 ft	30-35 ft	40-45 ft	3-8 ft	20-25 ft	35-40 ft	3-8 ft	20-25 ft	45-50 ft	3-8 ft	20-25 ft	30-35 ft	40-45 ft	40-45 ft	40-45 ft	
Sample Date:	4/6/2010	4/6/2010	4/7/2010	4/7/2010	4/6/2010	4/6/2010	4/6/2010	4/6/2010	4/6/2010	4/6/2010	4/6/2010	5/27/2010	5/27/2010	5/26/2010	4/6/2010	4/6/2010	4/6/2010	4/6/2010	4/6/2010	4/6/2010	
Parent Sample:																				OU2MW-15D	
BTEX (ug/L)																					
Benzene	1	10 U	83	10 U	38	10 U	8	10 U	43	10 U	5	1 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Toluene	5	10 U	1 J	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	10 U	10 U	10 U	
Ethylbenzene	5	10 U	5	10 U	2 J	10 U	2 J	10 U	8	10 U	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Xylene, m,p-	5	10 U	4 J	10 U	5 J	10 U	10 U	10 U	10	10 U	1 J	4 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Xylene, o-	5	10 U	94	10 U	11	10 U	3 J	2 J	17	10 U	10 U	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Total BTEX	NE	ND	187	ND	56	ND	13	2	80	ND	8	10	ND	ND	ND	ND	ND	ND	ND	ND	
Other VOCs (ug/L)																					
Acetaldehyde	8*	R	R	R	R	R	R	R	R	R	R	R	10 U	10 U	10 U	R	R	R	R	R	
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	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	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	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	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	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 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	
Butane, 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	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	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	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	10 U	10 U	10 U	10 U	
Chloroethane	5	10 UJ	10 UJ	10 U	10 U	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	10 U	10 U	
Chloroform	7	10 U	10 U	1 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Chloromethane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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	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	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	10 U	10 U	10 U	10 U	10 U	
Decane, n-	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
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	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	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	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	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	10 U	10 U	10 U	10 U	
Dichlorodifluoromethane	5	10 U	10 U	10 U	10 U	6	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	
Dichloroethane, 1,1-	5	10 U	10 U	10 U	1 J	10 U	10 U	10 U	1 J	10 U	10 U	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	10 U	10 U	10 U	10 U	10 U	10 U	
Dichloroethane, 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	10 U	10 U	10 U	10 U	
Dichloroethane, 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	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	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	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	10 U	10 U	10 U	10 U	
Dioxane, 1,4-	NE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
Dodecane, n-	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Ethanol	NE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	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 U	10 U	10 U	10 U	10 U	10 U	
Hexachlorobutadiene	0.5	10 U	10 U	R	R	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Hexane, n-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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	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	OU2	OU2	OU2	OU2	OU2	OU2
Sample Name:	NYS	OU2MW-11S	OU2MW-11I	OU2MW-11I2	OU2MW-11D	OU2MW-12S	OU2MW-12I	OU2MW-12I2	OU2MW-12D	OU2MW-13S	OU2MW-13I	OU2MW-13D	OU2MW-14S	OU2MW-14I	OU2MW-14I2	OU2MW-15S	OU2MW-15I	OU2MW-15I2	OU2MW-15D	DUP-01 O2
Screened Interval:	AWQS	3-8 ft	20-25 ft	30-35 ft	40-45 ft	3-7 ft	20-25 ft	30-35 ft	40-45 ft	3-8 ft	20-25 ft	35-40 ft	3-8 ft	20-25 ft	45-50 ft	3-8 ft	20-25 ft	30-35 ft	40-45 ft	40-45 ft
Sample Date:		4/6/2010	4/6/2010	4/7/2010	4/7/2010	4/6/2010	4/6/2010	4/6/2010	4/6/2010	4/6/2010	4/6/2010	4/6/2010	5/27/2010	5/27/2010	5/26/2010	4/6/2010	4/6/2010	4/6/2010	4/6/2010	4/6/2010
Parent Sample:																				OU2MW-15D
Total Metals (ug/L)																				
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (ug/L)																				
Alkalinity	NE	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	NA
Nitrogen, Total	NE	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	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	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	OU2	OU2	OU2
Sample Name:	NYS	OU2MW-16S	OU2MW-16I	OU2MW-16I2	DUP-03 Q2	OU2MW-16D	OU2MW-17S	OU2MW-17I	OU2MW-17I2	OU2MW-17D	OU2MW-18I	OU2MW-18I2	OU2MW-18D	OU2MW-19I	DUP-04121033NC	OU2MW-19I	OU2	
Screened Interval:	AWQS	3-8 ft	15-20 ft	25-30 ft	25-30 ft	35-40 ft	5-10 ft	13-23 ft	35-45 ft	60-75 ft	13-23 ft	35-45 ft	60-70 ft	13-23 ft	13-23 ft	13-23 ft	35-45 ft	
Sample Date:		4/8/2010	4/8/2010	4/8/2010	4/8/2010	4/8/2010	5/13/2010	5/13/2010	5/13/2010	5/13/2010	5/13/2010	5/13/2010	5/13/2010	4/12/2010	4/12/2010	5/3/2010	4/12/2010	
Parent Sample:					OU2MW-16I2										OU2MW-19I			
BTEX (ug/L)																		
Benzene	1	10 U	10 U	10 U	10 U	10 U	10 U	71	10 U	10 U	180	280	10 U	10 U	10 U	10 U	10 U	
Toluene	5	10 U	10 U	10 U	10 U	10 U	10 U	2 J	10 U	10 U	41	13	10 U	10 U	10 U	10 U	10 U	
Ethylbenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	140	10 U	10 U	390	18	10 U	2 J	2 J	1 J	10 U	
Xylene, m,p-	5	10 U	10 U	10 U	10 U	10 U	10 U	5 J	10 U	10 U	58	100	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	27	10 U	10 U	130	79	10 U	2 J	2 J	10 U	6	
Total BTEX	NE	ND	ND	ND	ND	ND	ND	245	ND	ND	799	490	ND	4	4	1	10	
Other VOCs (ug/L)																		
Acetaldehyde	8*	R	R	R	R	R	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	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 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	10 U	
Bromoform	50*	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 UJ	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 UJ	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	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	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	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	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	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	10 U	
Chloroform	7	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	9	
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	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	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	10 U	10 U	
Cyclohexane	NE	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	11	1 J	10 U	10 U	10 U	10 U	10 U	
Decane, n-	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10 U	10 U	10 U	10 U	
Dibromochloromethane	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Dibromomethane, 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	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	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	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	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 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	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	10 U	
Dichloroethane, 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	10 U	
Dichloroethane, 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	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	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	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	10 U	
Dioxane, 1,4-	NE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
Dodecane, n-	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10 UJ	10 UJ	10 UJ	10 UJ	
Ethanol	NE	R	R	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 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 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	
Hexane, n-	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	2 J	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	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	OU2	OU2	OU2
Sample Name:	OU2MW-16S	OU2MW-16I	OU2MW-16I2	DUP-03 Q2	OU2MW-16D	OU2MW-17S	OU2MW-17I	OU2MW-17I2	OU2MW-17D	OU2MW-18I	OU2MW-18I2	OU2MW-18D	OU2MW-19I	DUP-04121033NC	OU2MW-19I	OU2MW-19I2	
Screened Interval:	3-8 ft	15-20 ft	25-30 ft	25-30 ft	35-40 ft	5-10 ft	13-23 ft	35-45 ft	60-75 ft	13-23 ft	35-45 ft	60-70 ft	13-23 ft	13-23 ft	13-23 ft	35-45 ft	
Sample Date:	4/8/2010	4/8/2010	4/8/2010	4/8/2010	4/8/2010	5/13/2010	5/13/2010	5/13/2010	5/13/2010	5/13/2010	5/13/2010	5/13/2010	4/12/2010	4/12/2010	5/3/2010	4/12/2010	
Parent Sample:				OU2MW-16I2													
Isopropyl benzene	5	10 U	10 U	10 U	10 U	10 U	4 J	10 U	10 U	40	4 J	10 U	10 U	10 U	10 U	5	
Methyl tert-butyl ether	10*	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	3 J	10 UJ	10 U	10 U	10 U	2 J	2 J	2 J	6
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	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	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	38	10 U	10 U	1400 J	320 J	10 U	4 J	5	2 J	330
Nonane	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10 U	10 U	10 U	10 U
Octane, n-	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10 U	10 U	10 U	10 U
Propanol, 2-	NE	500 U	500 U	500 U	500 U	500 U	R	R	R	R	R	R	R	R	R	R	R
Propylbenzene, n-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	15	10 U	10 U	10 U	10 U	10 U	1 J
Styrene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 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	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	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	6
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	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	10 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	5	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Trichlorobenzene, 1,2,4-	5	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	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	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	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	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	10 UJ	10 UJ
Trimethylbenzene 1,3,5-/P-ethyltoluene	NE	10 U	10 U	10 U	10 U	10 U	10 U	3 J	10 U	10 U	170	16	10 U	10 U	10 U	10 U	160
Trimethylbenzene, 1,2,4-	5	10 U	10 U	10 U	10 U	10 U	10 U	20	10 U	10 U	180 J	23	10 U	1 J	2 J	10 U	46
Trimethylpentane, 2,2,4-	NE	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	10 UJ	10 UJ	10 UJ
Vinyl acetate	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	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 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	140	10 U	10 U	5	7	5	17
Acenaphthylene	NE	10 U	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	27
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	8	10 U	10 U	1 J	1 J	1 J	1 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	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J	10 U	10 U	2 J	2 J	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	52	10 U	10 U	3 J	5	4 J	11
Methylnaphthalene, 2-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	13	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	1000	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	53	10 U	10 U	10 U	10 U	1 J	2 J
Pyrene	50*	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	1 J	10 UJ	10 UJ
Total Non-carcinogenic PAHs	NE	ND	ND	ND	2	ND	ND	ND	ND	ND	1283	ND	ND	8	16	11	58
Carcinogenic PAHs (ug/L)																	
Benzo[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene	0	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz[a,h]anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)																	
Total PAHs	NE	ND	ND	ND	2	ND	ND	ND	ND	ND	1283	ND	ND	8	16	11	58

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	OU2	OU2	
Sample Name:	NYS	OU2MW-16S	OU2MW-16I	OU2MW-16I2	DUP-03 Q2	OU2MW-16D	OU2MW-17S	OU2MW-17I	OU2MW-17I2	OU2MW-17D	OU2MW-18I	OU2MW-18I2	OU2MW-18D	OU2MW-19I	DUP-04121033NC	OU2MW-19I	OU2MW-19I2	
Screened Interval:	AWQS	3-8 ft	15-20 ft	25-30 ft	25-30 ft	35-40 ft	5-10 ft	13-23 ft	35-45 ft	60-75 ft	13-23 ft	35-45 ft	60-70 ft	13-23 ft	13-23 ft	13-23 ft	35-45 ft	
Sample Date:		4/8/2010	4/8/2010	4/8/2010	4/8/2010	4/8/2010	5/13/2010	5/13/2010	5/13/2010	5/13/2010	5/13/2010	5/13/2010	5/13/2010	4/12/2010	4/12/2010	5/3/2010	4/12/2010	
Parent Sample:					OU2MW-16I2										OU2MW-19I			
Total Metals (ug/L)																		
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.0 UJ	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.9 U	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.9 J	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.0 J	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.17 U	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.33 U	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	50900	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.3 U	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.4 U	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.64 U	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	19400	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.6 J	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9250	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	191	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.10 U	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.6 J	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5110	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.8 U	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.32 U	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	90300	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.0 U	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.1 U	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	14.2 UJ	NA
Other (ug/L)																		
Alkalinity	NE	NA	NA	NA	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	NA	380	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100 U	NA
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	R	NA
Nitrogen, Total	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	480	NA
Nitrogen, Total Kjeldahl	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	480	NA
Total Phosphorus	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	50 U	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	49600	NA
Sulfide	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2000 U	NA
Other (cfu/mL)																		
Standard Plate Count	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	820 J	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	OU2	OU2	OU2	OU2	OU2	
Sample Name:	NYS	OU2MW-19I2	OU2MW-19D	OU2MW-19D	OU2MW-20S	DUP-04131033NC	OU2MW-20S	OU2MW-20I	OU2MW-20I	OU2MW-20I2	OU2MW-20I2	OU2MW-20D	OU2MW-20D	OU2MW-21S	OU2MW-21I	OU2MW-21I2	OU2MW-22S	OU2MW-22I	OU2MW-22I2	OU2MW-22D	
Screened Interval:	AWQS	35-45 ft	65-70 ft	65-70 ft	4-9 ft	4-9 ft	4-9 ft	13-23 ft	13-23 ft	35-45 ft	35-45 ft	65-70 ft	65-70 ft	5-15 ft	13-23 ft	35-45 ft	5-15 ft	25-30 ft	46-51 ft	67-72 ft	
Sample Date:		5/3/2010	4/12/2010	5/3/2010	4/13/2010	4/13/2010	5/3/2010	4/13/2010	5/3/2010	4/13/2010	5/3/2010	4/13/2010	5/3/2010	4/8/2010	4/8/2010	4/8/2010	5/10/2010	5/10/2010	5/10/2010	5/10/2010	
Parent Sample:						OU2MW-20S															
BTEX (ug/L)																					
Benzene	1	1 J	3 J	2 J	10 U	10 U	10 U	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Toluene	5	10 U	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	10 U	10 U	10 U	10 U	10 U	
Ethylbenzene	5	10 U	5	2 J	10 U	10 U	10 U	72	100	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	3 J	7 J	4 J	10 U	10 U	10 U	11	22	10 U	10 U	10 U	10 U	10 U	10 U	4 J	10 U	10 U	10 U	10 U	
Xylene, o-	5	6	9	5	10 U	10 U	10 U	22	48	10 U	10 U	10 U	10 U	10 U	10 U	2 J	10 U	8	10 U	10 U	
Total BTEX	NE	10	24	13	ND	ND	ND	108	172	ND	ND	ND	ND	ND	ND	6	ND	8	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	R	R	R	10 U	10 U	10 U	10 U
Acetone	50*	10 UJ	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ
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	10 U	10 UJ	10 UJ	10 UJ	10 UJ
Bromodichloromethane	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromoforn	50*	10 UJ	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	5	10 U	10 U	10 U	10 UJ	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ
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	10 U	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	10 U	10 U	10 U	10 U	10 U	1 J	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Carbon disulfide	60*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	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 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	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	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Chloroform	7	7	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	10 U	10 U	10 U	10 U	10 U
Chloromethane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	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	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	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Cyclohexane	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Decane, 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	NA	NA	NA	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Dibromochloromethane	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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	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	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	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	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 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Dichloroethane, 1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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	10 U	10 U	10 U	10 U	10 U
Dichloroethane, 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	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	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	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	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	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	R	R	R	R	R	R	R
Dodecane, n-	NE	10 U	10 UJ	10 U	10 UJ	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U
Ethanol	NE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	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 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Hexachlorobutadiene	0.5	10 UJ	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Hexane, n-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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
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	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	OU2	OU2	OU2	OU2	OU2	OU2
Sample Name:	OU2MW-19I2	OU2MW-19D	OU2MW-19D	OU2MW-20S	DUP-04131033NC	OU2MW-20S	OU2MW-20I	OU2MW-20I	OU2MW-20I2	OU2MW-20I2	OU2MW-20D	OU2MW-20D	OU2MW-21S	OU2MW-21I	OU2MW-21I2	OU2MW-22S	OU2MW-22I	OU2MW-22I2	OU2MW-22D	
Screened Interval:	AWQS	35-45 ft	65-70 ft	65-70 ft	4-9 ft	4-9 ft	13-23 ft	13-23 ft	35-45 ft	35-45 ft	65-70 ft	65-70 ft	5-15 ft	13-23 ft	35-45 ft	5-15 ft	25-30 ft	46-51 ft	67-72 ft	
Sample Date:		5/3/2010	4/12/2010	5/3/2010	4/13/2010	4/13/2010	5/3/2010	4/13/2010	5/3/2010	4/13/2010	5/3/2010	4/13/2010	5/3/2010	4/8/2010	4/8/2010	4/8/2010	5/10/2010	5/10/2010	5/10/2010	
Parent Sample:					OU2MW-20S															
Isopropyl benzene	5	3 J	10 U	10 U	10 U	10 U	10 U	30	18	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*	9	7	10	10 U	10 U	10 U	10 U	5	5	6	8	4 J	3 J	6	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	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	10 U	10 U	10 U	
Naphthalene	10*	170	220	130	10 U	10 U	10 U	20	39	2 J	10 U	10 U	48	18	20	10 UJ	10 UJ	10 UJ	10 UJ	
Nonane	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NA	NA	NA	10 UJ	10 UJ	10 UJ	10 UJ	
Octane, n-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NA	NA	NA	R	R	R	R	
Propanol, 2-	NE	R	R	R	R	R	R	R	R	R	R	R	500 U	500 U	500 U	500 UJ	500 UJ	500 UJ	500 UJ	
Propylbenzene, n-	5	10 U	10 U	10 U	10 U	10 U	10 U	10	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Styrene	5	2 J	4 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	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	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	10 U	10 U	10 U	
Tetrachloroethene	5	9	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 J	1 J	2 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	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	
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	10 U	10 U	10 U	
Trichloro-1,2,2-trifluoroethane, 1,1,2-	5	10 UJ	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 UJ	10 UJ	10 UJ	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 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	
Trichloroethane, 1,1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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	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	10 U	10 U	10 U	
Trichlorofluoromethane	5	10 U	10 U	10 U	10 UJ	10 UJ	10 U	10 UJ	10 U	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	NE	160	10	8 J	10 U	10 U	10 U	5 J	8 J	10 U	10 U	10 U	10 U	10 U	28	10 U	10 U	10 U	10 U	
Trimethylbenzene, 1,2,4-	5	39	9	8	10 U	10 U	10 U	74	64	10 U	10 U	10 U	2 J	59	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 UJ	10 U	10 UJ	4 J	6 J	10 U	10 UJ	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 UJ	10 UJ	10 UJ	10 UJ	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 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	
Non-carcinogenic PAHs (ug/L)																				
Acenaphthene	20*	15	10 U	10 U	10 U	10 U	10 U	2 J	10 U	10 U	10 U	10 U	2 J	10 U	10 U	10 U	10 U	10 U	10 U	
Acenaphthylene	NE	20	1 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5	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	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	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	10 U	10 U	10 U	10 U	
Fluorene	50*	6	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	6	2 J	1 J	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	2 J	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	5	2 J	10 U	10 U	10 U	25	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	10 U	10 U	10 U	10 U	
Pyrene	50*	10 UJ	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	
Total Non-carcinogenic PAHs	NE	41	1	ND	ND	ND	ND	7	2	ND	ND	ND	13	29	1	ND	ND	ND	ND	
Carcinogenic PAHs (ug/L)																				
Benzo[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo[a]pyrene	0	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Dibenzo[a,h]anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Total PAHs (ug/L)																				
Total PAHs	NE	41	1	ND	ND	ND	ND	7	2	ND	ND	ND	ND	13	29	1	ND	ND	ND	

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	OU2	OU2	OU2	OU2	OU2
Sample Name:	NYS	OU2MW-19I2	OU2MW-19D	OU2MW-19D	OU2MW-20S	DUP-04131033NC	OU2MW-20S	OU2MW-20I	OU2MW-20I	OU2MW-20I2	OU2MW-20I2	OU2MW-20D	OU2MW-20D	OU2MW-21S	OU2MW-21I	OU2MW-21I2	OU2MW-22S	OU2MW-22I	OU2MW-22I2	OU2MW-22D
Screened Interval:	AWQS	35-45 ft	65-70 ft	65-70 ft	4-9 ft	4-9 ft	4-9 ft	13-23 ft	13-23 ft	35-45 ft	35-45 ft	65-70 ft	65-70 ft	5-15 ft	13-23 ft	35-45 ft	5-15 ft	25-30 ft	46-51 ft	67-72 ft
Sample Date:		5/3/2010	4/12/2010	5/3/2010	4/13/2010	4/13/2010	5/3/2010	4/13/2010	5/3/2010	4/13/2010	5/3/2010	4/13/2010	5/3/2010	4/8/2010	4/8/2010	4/8/2010	5/10/2010	5/10/2010	5/10/2010	5/10/2010
Parent Sample:						OU2MW-20S														
Total Metals (ug/L)																				
Aluminum	NE	8.0 UJ	NA	8.0 UJ	NA	NA	369	NA	169 J	NA	8.0 UJ	NA	8.0 UJ	NA	NA	NA	NA	NA	NA	NA
Antimony	3	2.9 U	NA	2.9 U	NA	NA	2.9 U	NA	2.9 U	NA	2.9 U	NA	2.9 U	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	2.5 U	NA	2.5 U	NA	NA	2.5 U	NA	2.5 U	NA	2.5 U	NA	2.5 U	NA	NA	NA	NA	NA	NA	NA
Barium	1000	89.2 J	NA	45.5 J	NA	NA	8.7 J	NA	110 J	NA	62.7 J	NA	22.0 J	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	0.17 U	NA	0.28 J	NA	NA	0.17 U	NA	0.31 J	NA	0.17 U	NA	0.17 U	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	0.33 U	NA	1.7 J	NA	NA	0.33 U	NA	0.33 U	NA	0.33 U	NA	0.33 U	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	14400	NA	30700	NA	NA	24900	NA	29600	NA	14800	NA	8940	NA	NA	NA	NA	NA	NA	NA
Chromium	50	2.3 U	NA	2.3 U	NA	NA	2.3 U	NA	2.3 U	NA	2.3 U	NA	2.3 U	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	5.0 J	NA	10.8 J	NA	NA	1.4 U	NA	7.8 J	NA	1.4 U	NA	1.4 U	NA	NA	NA	NA	NA	NA	NA
Copper	200	13.3 J	NA	28.2	NA	NA	16.8 J	NA	3.0 UJ	NA	1.4 UJ	NA	2.4 UJ	NA	NA	NA	NA	NA	NA	NA
Iron	300	58.4 UJ	NA	31800	NA	NA	274	NA	4360	NA	31.7 UJ	NA	64.5 UJ	NA	NA	NA	NA	NA	NA	NA
Lead	25	1.7 J	NA	7.5	NA	NA	1.3 U	NA	1.3 U	NA	2.1 J	NA	3.5	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	3320 J	NA	11100	NA	NA	3060 J	NA	5010	NA	3020 J	NA	4090 J	NA	NA	NA	NA	NA	NA	NA
Manganese	300	3790	NA	797	NA	NA	8.7 J	NA	472	NA	10600	NA	456	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	0.10 U	NA	0.10 U	NA	NA	0.10 U	NA	0.10 U	NA	0.10 U	NA	0.10 U	NA	NA	NA	NA	NA	NA	NA
Nickel	100	3.2 J	NA	125	NA	NA	2.5 J	NA	23.9 J	NA	1.5 U	NA	3.8 J	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	4050 J	NA	2780 J	NA	NA	2270 J	NA	4060 J	NA	3550 J	NA	1570 J	NA	NA	NA	NA	NA	NA	NA
Selenium	10	2.8 U	NA	2.8 U	NA	NA	2.8 U	NA	2.8 U	NA	2.8 U	NA	2.8 U	NA	NA	NA	NA	NA	NA	NA
Silver	50	0.32 U	NA	0.32 U	NA	NA	0.32 U	NA	0.32 U	NA	0.70 J	NA	0.32 U	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	57600	NA	173000	NA	NA	23200	NA	47500	NA	42400	NA	18200	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	3.0 U	NA	3.0 U	NA	NA	3.0 U	NA	3.0 U	NA	3.0 U	NA	3.0 U	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	1.1 U	NA	8.6 J	NA	NA	6.0 J	NA	1.1 U	NA	1.1 U	NA	1.1 U	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	8.2 UJ	NA	95.3	NA	NA	43.9 U	NA	56.6	NA	13.6 UJ	NA	15.0 UJ	NA	NA	NA	NA	NA	NA	NA
Other (ug/L)																				
Alkalinity	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Ammonia	2000	140	NA	370	NA	NA	100 U	NA	190	NA	250	NA	100	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	100 U	NA	100 U	NA	NA	5910	NA	100 U	NA	620	NA	100 U	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	R	NA	R	NA	NA	R	NA	R	NA	R	NA	R	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Total	NE	320	NA	4930	NA	NA	6710	NA	360	NA	860	NA	250	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Total Kjeldahl	NE	320	NA	4930	NA	NA	800	NA	360	NA	240	NA	250	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	NE	50 U	NA	50 U	NA	NA	50 U	NA	50 U	NA	50 U	NA	50 U	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	5560	NA	371000	NA	NA	14500	NA	35000	NA	16600	NA	54200	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	2000 U	NA	2000 U	NA	NA	2000 U	NA	2000 U	NA	2000 U	NA	2000 U	NA	NA	NA	NA	NA	NA	NA
Other (cfu/mL)																				
Standard Plate Count	NE	4600 J	NA	640 J	NA	NA	58 J	NA	1900 J	NA	53 J	NA	57 J	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	OU2	OU2	OU2	OU2	OU2	
Sample Name:	OU2MW-23S	OU2MW-23I	OU2MW-23I2	OU2MW-23D	OU2MW-24S	OU2MW-24I	OU2MW-24I2	OU2MW-24D	OU2MW-25S	OU2MW-25I	OU2MW-25I2	OU2MW-25D	OU2MW-26S	OU2MW-26I	OU2MW-26I2	OU2MW-26D	OU2MW-27S	OU2MW-27I	OU2MW-27I2		
Screened Interval:	5-15 ft	25-30 ft	45-50 ft	65-70 ft	5-15 ft	25-30 ft	45-50 ft	62-67 ft	5-15 ft	25-30 ft	45-50 ft	70-75 ft	6-11 ft	13-23 ft	35-45 ft	60-70 ft	5-15 ft	25-30 ft	45-50 ft		
Sample Date:	5/10/2010	5/10/2010	5/7/2010	5/7/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/7/2010	5/6/2010	5/7/2010	5/6/2010	4/8/2010	4/8/2010	4/8/2010	4/8/2010	6/23/2010	6/23/2010	6/23/2010		
Parent Sample:																					
BTEX (ug/L)																					
Benzene	1	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	10 U	10 U	10 U	10 U	10 U	
Toluene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Ethylbenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Xylene, m,p-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Xylene, o-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Total BTEX	NE	ND	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5	980	ND	ND	12	
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	R	R	R	R	10 UJ	10 UJ	10 UJ
Acetone	50*	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	5 J
Allyl chloride	5	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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	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	10 U	10 U	10 U	10 U	10 U
Bromomethane	5	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	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 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ
Butane, 2-	50*	10 UJ	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 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ
Carbon disulfide	60*	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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	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	10 U	10 U	10 U	10 U	10 U
Chloroethane	5	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 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U
Chloroform	7	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 UJ
Chlorotoluene	5	10 U	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 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 UJ	10 UJ	10 UJ	10 UJ	10 UJ	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	10 U	10 U	10 U	10 U	10 U	10 U
Decane, n-	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	NA	NA	NA	NA	NA	NA	NA
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	10 U	10 U	10 U	10 U	10 U
Dibromoethane, 1,2-	0.0006	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	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 UJ	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	10 U	10 U	10 U
Dichlorobenzene, 1,3-	3	10 U	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 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene, 1,4-	3	10 U	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 U	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	5	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Dichloroethane, 1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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	10 U	10 U	10 U	10 U	10 U
Dichloroethane, 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	10 U	10 U	10 U	10 U	10 U
Dichloroethane, 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	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	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	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	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	R	R	R	R	R	R	R
Dodecane, 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	NA	NA	NA	NA	NA	NA	NA
Ethanol	NE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Heptane, n-	NE	10 U	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 U	10 UJ	10 UJ	10 U	10 U	10 U
Hexachlorobutadiene	0.5	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U
Hexane, n-	NE	10 U	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	10 UJ	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 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	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	OU2	OU2	OU2	OU2	OU2	OU2
Sample Name:	OU2MW-23S	OU2MW-23I	OU2MW-23I2	OU2MW-23D	OU2MW-24S	OU2MW-24I	OU2MW-24I2	OU2MW-24D	OU2MW-25S	OU2MW-25I	OU2MW-25I2	OU2MW-25D	OU2MW-26S	OU2MW-26I	OU2MW-26I2	OU2MW-26D	OU2MW-27S	OU2MW-27I	OU2MW-27I2	
Screened Interval:	5-15 ft	25-30 ft	45-50 ft	65-70 ft	5-15 ft	25-30 ft	45-50 ft	62-67 ft	5-15 ft	25-30 ft	45-50 ft	70-75 ft	6-11 ft	13-23 ft	35-45 ft	60-70 ft	5-15 ft	25-30 ft	45-50 ft	
Sample Date:	5/10/2010	5/10/2010	5/7/2010	5/7/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/7/2010	5/6/2010	5/7/2010	5/6/2010	4/8/2010	4/8/2010	4/8/2010	4/8/2010	6/23/2010	6/23/2010	6/23/2010	
Parent Sample:																				
Isopropyl benzene	5	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	29	10 U	10 U	10 U
Methyl tert-butyl ether	10*	10 U	10 U	1 J	10 U	10 U	10 U	2 J	10 U	10 U	10 U	10 U	10 U	10 U	14	8	2 J	2 J	10	
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	10 U	10 UJ	10 UJ	10 UJ
Methylene chloride	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 UJ	10 UJ	10 U	10 U	10 U	8	6	10 U	10 U	10 U	10 U	10 U	10 U	10 U	6700	10 U	10 U	1 J	
Nonane	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	NA	NA	NA	NA	NA	NA	NA
Octane, n-	NE	R	R	R	R	R	R	R	R	R	R	R	NA	NA	NA	NA	NA	NA	NA	NA
Propanol, 2-	NE	500 UJ	500 UJ	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	R	R	R	500 U	R	R	R	
Propylbenzene, n-	5	10 U	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	39	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	120	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	10 U	10 U	10 U	10 U	
Tetrachloroethane, 1,1,2,2-	5	10 U	10 U	10 UJ	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	10 U	10 U	
Tetrahydrofuran	50*	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ
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	10 U	10 U	10 U	
Trichloro-1,2,2-trifluoroethane, 1,1,2-	5	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Trichlorobenzene, 1,2,4-	5	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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	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	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	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	10 U	10 U	10 U	
Trimethylbenzene 1,3,5-/P-ethyltoluene	NE	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	260	10 U	10 U	25	
Trimethylbenzene, 1,2,4-	5	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	2 J	480 J	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 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	
Vinyl acetate	NE	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 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	
Vinyl chloride	2	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	
Non-carcinogenic PAHs (ug/L)																				
Acenaphthene	20*	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	1 J	19	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	3 J	130 J	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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	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	1 J	10 U	10 U	10 U	10 U	10 U
Fluorene	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	10 U	29	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	2 J	240 J	10 U	10 U	10 U
Naphthalene	10*	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	1800	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	14	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	10 U	10 U	10 U	10 U	
Total Non-carcinogenic PAHs	NE	ND	ND	ND	ND	ND	5	ND	ND	ND	ND	ND	ND	ND	1	6	2232	ND	ND	ND
Carcinogenic PAHs (ug/L)																				
Benzo[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene	0	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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 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	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzo[a,h]anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	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	5	ND	ND	ND	ND	ND	ND	ND	1	6	2232	ND	ND	ND

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	OU2	OU2	OU2	OU2	OU2
Sample Name:	NYS	OU2MW-23S	OU2MW-23I	OU2MW-23I2	OU2MW-23D	OU2MW-24S	OU2MW-24I	OU2MW-24I2	OU2MW-24D	OU2MW-25S	OU2MW-25I	OU2MW-25I2	OU2MW-25D	OU2MW-26S	OU2MW-26I	OU2MW-26I2	OU2MW-26D	OU2MW-27S	OU2MW-27I	OU2MW-27I2
Screened Interval:	AWQS	5-15 ft	25-30 ft	45-50 ft	65-70 ft	5-15 ft	25-30 ft	45-50 ft	62-67 ft	5-15 ft	25-30 ft	45-50 ft	70-75 ft	6-11 ft	13-23 ft	35-45 ft	60-70 ft	5-15 ft	25-30 ft	45-50 ft
Sample Date:		5/10/2010	5/10/2010	5/7/2010	5/7/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/7/2010	5/6/2010	5/7/2010	5/6/2010	4/8/2010	4/8/2010	4/8/2010	4/8/2010	6/23/2010	6/23/2010	6/23/2010
Parent Sample:																				
Total Metals (ug/L)																				
Aluminum	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	3*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (ug/L)																				
Alkalinity	NE	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	NA
Nitrogen, Total	NE	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	NA
Sulfide	50*	NA	NA	NA	NA	NA	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	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	OU2	OU2	OU2	OU2	OU2
Sample Name:	NYS	OU2MW-27D	OU2MW-28S	OU2MW-28S	OU2MW-28I	OU2MW-28I	OU2MW-28I2	OU2MW-28I2	OU2MW-29I	OU2MW-29I	OU2MW-29I2	OU2MW-29I2	DUP-SP	OU2MW-29D	OU2MW-29D	OU2MW-30S	OU2MW-30S	OU2MW-30I	OU2MW-30I	OU2MW-30I
Screened Interval:	AWQS	65-70 ft	5-15 ft	5-15 ft	28-33 ft	28-33 ft	40-45 ft	40-45 ft	18-23 ft	18-23 ft	30-35 ft	30-35 ft	30-35 ft	45-50 ft	45-50 ft	5-15 ft	5-15 ft	25-30 ft	25-30 ft	25-30 ft
Sample Date:		6/23/2010	4/5/2010	5/13/2010	4/5/2010	5/13/2010	4/5/2010	5/13/2010	4/5/2010	5/14/2010	4/5/2010	5/14/2010	5/14/2010	4/5/2010	5/14/2010	4/5/2010	5/13/2010	4/5/2010	5/13/2010	5/13/2010
Parent Sample:													OU2MW-29I2							
BTEX (ug/L)																				
Benzene	1	10 U	10 U	10 U	10 U	10 U	10 U	3 J	10 U	10 U	3 J	2 J	2 J	3 J	3 J	10 U	10 U	10 U	10 U	10 U
Toluene	5	10 U	10 U	10 U	10 U	10 U	2 J	3 J	10 U	10 U	2 J	2 J	7 J	6	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	5	10 U	10 U	10 U	1 J	10 U	23	100	10 U	10 U	34	3 J	3 J	11	9	10 U	10 U	10 U	10 U	10 U
Xylene, m,p-	5	10 U	10 U	10 U	10 U	10 U	63	110	10 U	10 U	42	39	41	31	25	10 U	10 U	10 U	10 U	10 U
Xylene, o-	5	10 U	10 U	10 U	10 U	10 U	34	70	10 U	10 U	69	72	76	44	42	10 U	10 U	10 U	10 U	10 U
Total BTEX	NE	ND	ND	ND	1	ND	122	286	ND	ND	150	118	124	96	85	ND	ND	ND	ND	ND
Other VOCs (ug/L)																				
Acetaldehyde	8*	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	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	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	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	10 U	10 U	10 U	10 U
Bromoform	50*	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 UJ
Bromomethane	5	10 U	10 UJ	10 U	10 UJ	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	10 U	10 UJ
Butadiene, 1,3-	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
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	10 U	10 U	10 U	10 U	10 U
Carbon disulfide	60*	10 U	10 UJ	10 U	10 UJ	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	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 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	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	10 U	10 U	10 U	10 U
Chloroform	7	16	10 U	10 U	10 U	10 U	10 UJ	1 J	10 U	10 U	10 UJ	10 U	10 U	10 UJ	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 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 U	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 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 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Cyclohexane	NE	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ
Decane, n-	NE	NA	10 U	10 U	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 U	10 U	10 U	10 U
Dibromochloromethane	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromomethane, 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	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	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	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	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	5	10 UJ	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	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	2 J	1 J	10 U	10 U	10 U	10 U
Dichloroethane, 1,2-	0.6	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethane, 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	10 U	10 U	10 U	10 U
Dichloroethane, 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	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	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	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	10 U	10 U	10 U	10 U
Dioxane, 1,4-	NE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Dodecane, n-	NE	NA	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Ethanol	NE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Heptane, n-	NE	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 UJ	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 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexane, n-	NE	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 UJ
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	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	OU2	OU2	OU2	OU2	OU2	OU2
Sample Name:	OU2MW-27D	OU2MW-28S	OU2MW-28S	OU2MW-28I	OU2MW-28I	OU2MW-28I2	OU2MW-28I2	OU2MW-29I	OU2MW-29I	OU2MW-29I2	OU2MW-29I2	DUP-SP	OU2MW-29D	OU2MW-29D	OU2MW-30S	OU2MW-30S	OU2MW-30I	OU2MW-30I	OU2MW-30I	
Screened Interval:	AWQS	65-70 ft	5-15 ft	5-15 ft	28-33 ft	28-33 ft	40-45 ft	40-45 ft	18-23 ft	18-23 ft	30-35 ft	30-35 ft	30-35 ft	45-50 ft	45-50 ft	5-15 ft	5-15 ft	25-30 ft	25-30 ft	
Sample Date:		6/23/2010	4/5/2010	5/13/2010	4/5/2010	5/13/2010	4/5/2010	5/13/2010	4/5/2010	5/14/2010	4/5/2010	5/14/2010	5/14/2010	4/5/2010	5/14/2010	4/5/2010	5/13/2010	4/5/2010	5/13/2010	
Parent Sample:												OU2MW-29I2								
Isopropyl benzene	5	10 U	10 U	10 U	10 U	10 U	11	16	10 U	10 U	2 J	10 U	10 U	40	35	10 U	10 U	10 U	10 U	
Methyl tert-butyl ether	10*	R	10 U	10 U	10 U	10 U	26	15	10 U	10 U	2 J	2 J	15	12	10 U	10 U	10 U	10 U	10 U	
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	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	10 U	10 U	10 U	
Naphthalene	10*	16	10 U	10 UJ	10 U	10 UJ	5100 J	4600 J	10 U	10 UJ	160	35 J	44	5800 J	1400	10 U	10 UJ	1 J	10 UJ	
Nonane	NE	NA	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	
Octane, n-	NE	NA	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 UJ	10 UJ	10 UJ	10 UJ	10 UJ	
Propanol, 2-	NE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
Propylbenzene, n-	5	10 U	10 U	10 U	10 U	10 U	23	28	10 U	10 U	10 U	10 U	10 U	18	15	10 U	10 U	10 U	10 U	
Styrene	5	10 U	10 U	10 U	10 U	10 U	19	19	10 U	10 U	10 U	10 U	10 U	10	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	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	10 U	10 U	10 U	
Tetrachloroethene	5	2 J	10 U	10 U	10 U	10 U	5	4 J	10 U	10 U	1 J	1 J	2 J	2 J	2 J	10 U	10 U	10 U	10 U	
Tetrahydrofuran	50*	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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	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 UJ	10 U	10 U	10 UJ	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	10 U	10 U	10 U	
Trichloroethane, 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	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	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	10 U	10 U	10 U	
Trichlorofluoromethane	5	10 U	10 U	10 U	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 U	10 U	10 U	
Trimethylbenzene 1,3,5-/P-ethyltoluene	NE	10 U	10 U	10 U	10 U	10 U	140	230	10 U	10 U	54	70	77	66	74	10 U	10 U	10 U	1 J	
Trimethylbenzene, 1,2,4-	5	10 U	10 U	10 U	10 U	10 U	220 J	320	10 U	10 U	59	41	44	35	30	10 U	10 U	1 J	2 J	
Trimethylpentane, 2,2,4-	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 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	
Vinyl acetate	NE	10 UJ	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	
Vinyl chloride	2	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 U	
Non-carcinogenic PAHs (ug/L)																				
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	25	24	10 U	10 U	34	40	36	22	19	10 U	10 U	10 U	10 U	
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	210	200 J	10 U	10 U	26	11	9	120	73 J	10 U	10 U	10 U	10 U	
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	2 J	3 J	10 U	10 U	10 U	10 U	10 U	2 J	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	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	10 U	10 U	10 U	2 J	
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	52	58	10 U	10 U	5	6	6	2 J	2 J	10 U	10 U	10 U	10 U	
Methylnaphthalene, 2-	NE	10 U	10 U	10 U	10 U	10 U	290	600	10 U	10 U	10 U	10 U	10 U	61 J	20	10 U	10 U	10 U	10 U	
Naphthalene	10*	2 J	10 U	10 U	10 U	10 U	290	3500	10 U	10 U	10 U	10 U	10 U	1000	670	10 U	10 U	10 U	10 U	
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	40	58	10 U	10 U	10 U	10 U	10 U	17	5	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	10 U	10 U	10 U	2 J	
Total Non-carcinogenic PAHs	NE	2	ND	ND	ND	ND	909	4443	ND	ND	65	57	51	1224	789	ND	ND	ND	4	
Carcinogenic PAHs (ug/L)																				
Benzo[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo[a]pyrene	0	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo[e]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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	10 U	10 U	10 U	10 U	
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	
Total PAHs (ug/L)																				
Total PAHs	NE	2	ND	ND	ND	ND	909	4443	ND	ND	65	57	51	1224	789	ND	ND	ND	5	

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	OU2	OU2	OU2	OU2
Sample Name:	NYS	OU2MW-27D	OU2MW-28S	OU2MW-28S	OU2MW-28I	OU2MW-28I	OU2MW-28I2	OU2MW-28I2	OU2MW-29I	OU2MW-29I	OU2MW-29I2	OU2MW-29I2	DUP-SP	OU2MW-29D	OU2MW-29D	OU2MW-30S	OU2MW-30S	OU2MW-30I	OU2MW-30I
Screened Interval:	AWQS	65-70 ft	5-15 ft	5-15 ft	28-33 ft	28-33 ft	40-45 ft	40-45 ft	18-23 ft	18-23 ft	30-35 ft	30-35 ft	30-35 ft	45-50 ft	45-50 ft	5-15 ft	5-15 ft	25-30 ft	25-30 ft
Sample Date:		6/23/2010	4/5/2010	5/13/2010	4/5/2010	5/13/2010	4/5/2010	5/13/2010	4/5/2010	5/14/2010	4/5/2010	5/14/2010	5/14/2010	4/5/2010	5/14/2010	4/5/2010	5/13/2010	4/5/2010	5/13/2010
Parent Sample:													OU2MW-29I2						
Total Metals (ug/L)																			
Aluminum	NE	NA	NA	8.0 U	NA	18.8 UJ	NA	35.4 UJ	NA	8.0 U	NA	8.0 U	8.0 U	NA	8.0 U	NA	8.0 U	NA	11.4 UJ
Antimony	3	NA	NA	2.9 U	NA	2.9 U	NA	2.9 U	NA	2.9 U	NA	2.9 U	2.9 U	NA	2.9 U	NA	2.9 U	NA	2.9 U
Arsenic	25	NA	NA	2.5 U	NA	2.5 U	NA	2.5 U	NA	2.5 U	NA	2.5 U	2.5 U	NA	2.5 U	NA	2.5 U	NA	2.5 U
Barium	1000	NA	NA	22.9 J	NA	68.6 J	NA	29.5 J	NA	51.6 J	NA	80.1 J	80.5 J	NA	31.1 J	NA	7.3 J	NA	41.7 J
Beryllium	3*	NA	NA	0.17 U	NA	0.33 J	NA	0.17 U	NA	0.17 U	NA	0.17 U	0.17 U	NA	0.17 U	NA	0.17 U	NA	0.17 U
Cadmium	5	NA	NA	0.33 U	NA	0.33 U	NA	0.42 J	NA	0.33 U	NA	0.33 U	0.33 U	NA	0.33 U	NA	0.33 U	NA	0.33 U
Calcium	NE	NA	NA	32200	NA	36300	NA	18700	NA	49600	NA	28600	28800	NA	15000	NA	33100	NA	44200
Chromium	50	NA	NA	2.3 U	NA	2.3 U	NA	2.3 U	NA	2.7 J	NA	2.3 U	2.3 U	NA	2.3 U	NA	2.3 U	NA	2.3 U
Cobalt	NE	NA	NA	1.4 U	NA	1.4 U	NA	1.4 U	NA	3.0 J	NA	2.6 J	2.8 J	NA	2.4 J	NA	1.4 U	NA	1.7 J
Copper	200	NA	NA	3.9 UJ	NA	2.8 UJ	NA	1.9 UJ	NA	2.7 UJ	NA	12.6 J	12.4 J	NA	0.89 UJ	NA	4.5 UJ	NA	5.8 J
Iron	300	NA	NA	40.8 UJ	NA	49.3 UJ	NA	187	NA	1310	NA	63.2 UJ	52.2 UJ	NA	23300	NA	36.8 UJ	NA	198
Lead	25	NA	NA	1.3 U	NA	2.4 J	NA	2.9 J	NA	1.3 U	NA	1.3 U	1.3 U	NA	3.1	NA	1.3 U	NA	1.3 U
Magnesium	35000*	NA	NA	4110 J	NA	6110	NA	5690	NA	5800	NA	5150	5180	NA	4840 J	NA	5930	NA	5640
Manganese	300	NA	NA	4.5 J	NA	6230	NA	7700	NA	768	NA	3590	3560	NA	10700	NA	3.5 J	NA	807
Mercury	0.7	NA	NA	0.10 UJ	NA	0.10 UJ	NA	0.10 UJ	NA	0.10 UJ	NA	0.10 UJ	0.10 UJ	NA	0.10 UJ	NA	0.10 UJ	NA	0.10 UJ
Nickel	100	NA	NA	1.7 J	NA	1.5 U	NA	2.1 J	NA	3.8 J	NA	6.3 J	6.5 J	NA	1.5 U	NA	2.0 J	NA	11.7 J
Potassium	NE	NA	NA	3210 J	NA	5250	NA	3570 J	NA	4360 J	NA	3570 J	3570 J	NA	1860 J	NA	1870 J	NA	4690 J
Selenium	10	NA	NA	2.8 U	NA	2.8 U	NA	2.8 U	NA	2.8 U	NA	2.8 U	2.8 U	NA	3.3 UJ	NA	6.6 UJ	NA	2.8 U
Silver	50	NA	NA	0.32 U	NA	0.43 J	NA	0.59 J	NA	0.32 U	NA	0.32 U	0.32 U	NA	0.42 J	NA	0.32 U	NA	0.32 U
Sodium	20000	NA	NA	22800	NA	72000	NA	59100	NA	55300	NA	67700	68000	NA	32500	NA	13700	NA	50800
Thallium	0.5*	NA	NA	3.0 U	NA	3.0 U	NA	3.0 U	NA	3.0 U	NA	3.0 U	3.0 U	NA	3.0 U	NA	3.0 U	NA	3.0 U
Vanadium	NE	NA	NA	1.1 U	NA	1.1 U	NA	1.1 U	NA	1.1 U	NA	1.1 U	1.1 U	NA	1.1 U	NA	19.2 J	NA	1.1 U
Zinc	2000*	NA	NA	19.2 UJ	NA	14.8 UJ	NA	9.2 UJ	NA	6.0 UJ	NA	7.5 UJ	2.4 U	NA	2.4 U	NA	15.8 UJ	NA	18.0 UJ
Other (ug/L)																			
Alkalinity	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Ammonia	2000	NA	NA	100 U	NA	300	NA	150	NA	580	NA	120	180	NA	340	NA	100 U	NA	750
Nitrogen, Nitrate	10000	NA	NA	5060	NA	100 U	NA	100 U	NA	570	NA	100 U	110	NA	110	NA	3760	NA	120
Nitrogen, Nitrite	1000	NA	NA	100 U	NA	100 U	NA	100 U	NA	100 U	NA	100 U	100 U	NA	100 U	NA	100 U	NA	100 U
Nitrogen, Total	NE	NA	NA	5470 J	NA	800 U	NA	530 U	NA	1670 J	NA	530 U	700 UJ	NA	790 UJ	NA	4090 J	NA	1930
Nitrogen, Total Kjeldahl	NE	NA	NA	410 U	NA	800 U	NA	530 U	NA	1100 U	NA	530 U	590 U	NA	680 U	NA	330 U	NA	1810
Total Phosphorous	NE	NA	NA	50 U	NA	50 U	NA	50 U	NA	50 U	NA	50 U	50 U	NA	50 U	NA	50 U	NA	50 U
Sulfate	250000	NA	NA	27600	NA	30400	NA	33800	NA	64200	NA	5000 U	5000 U	NA	22400	NA	31400	NA	49100
Sulfide	50*	NA	NA	2000 U	NA	2000 U	NA	2000 U	NA	2000 U	NA	2000 U	2000 U	NA	2000 U	NA	2000 U	NA	2000 U
Other (cfu/mL)																			
Standard Plate Count	NE	NA	NA	35	NA	220	NA	860	NA	380	NA	10000 J	3900 J	NA	180	NA	65	NA	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:	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2
Sample Name:	NYS	OU2MW-30I2	OU2MW-30I2	OU2MW-30I3	OU2MW-30I3	OU2MW-30D	OU2MW-30D	OU2MW-30D2	DUP-SP01	OU2MW-30D2	OU2MW-31I	OU2MW-31I	OU2MW-31I2	OU2MW-31I2	OU2MW-32S	OU2MW-32S	OU2MW-32I	OU2MW-32I	OU2MW-32I2	OU2MW-32I2
Screened Interval:	AWQS	30-35 ft	30-35 ft	45-50 ft	45-50 ft	50-55 ft	50-55 ft	60-65 ft	60-65 ft	60-65 ft	18-23 ft	18-23 ft	30-35 ft	30-35 ft	5-15 ft	5-15 ft	20-25 ft	20-25 ft	30-35 ft	30-35 ft
Sample Date:		4/5/2010	5/13/2010	4/5/2010	5/13/2010	4/5/2010	5/13/2010	4/5/2010	4/5/2010	5/13/2010	4/5/2010	5/13/2010	4/5/2010	5/13/2010	4/5/2010	5/13/2010	4/5/2010	5/13/2010	4/5/2010	5/13/2010
Parent Sample:									OU2MW-30D2											
BTEX (ug/L)																				
Benzene	1	2 J	10 U	10 U	10 U	1 J	1 J	2 J	2 J	2 J	10 U	10 U	10 U	10 U	10 U	10 U	1500	1700	4 J	42
Toluene	5	10 U	10 U	10 U	10 U	13	23	14	13	14	10 U	10 U	10 U	4 J	3 J	10 U	10 U	16	15	10 U
Ethylbenzene	5	10 U	10 U	10 U	10 U	5	10	5	5	6	10 U	10 U	10 U	10 U	10 U	10 U	660	640	4 J	16
Xylene, m,p-	5	4 J	2 J	6 J	1 J	66	110	200	210	260	10 U	10 U	15	9	10 U	10 U	31	9	19	8
Xylene, o-	5	7	2 J	5	2 J	53	110	120	140	140	10 U	10 U	31	26	10 U	10 U	220	190	17	10
Total BTEX	NE	13	4	11	3	138	254	341	370	422	ND	ND	50	38	ND	ND	2427	2554	44	76
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	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	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	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	10 U	10 U	10 U	10 U
Bromoforn	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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	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	10 U	10 U	10 U	10 U
Butanone, 2-	50*	10 U	10 U	10 U	10 U	1 J	1 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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	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	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	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	10 U	10 U	10 U	10 U
Chloroform	7	10 U	10 U	4 J	10 U	15 J	10	10 J	12 J	14	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloromethane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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	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	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	10 U	10 U	9 J	10 J	10 U
Decane, 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	10 U	10 U	10 U	10 U
Dibromochloromethane	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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	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	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	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	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	10 U	10 U	10 U	10 U
Dichloroethane, 1,1-	5	10 U	10 U	10 U	10 U	1 J	10 U	1 J	1 J	1 J	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	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	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	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	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	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	10 U	10 U	10 U	10 U
Dioxane, 1,4-	NE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	500 U
Dodecane, 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	10 U	10 U	10 U	10 U
Ethanol	NE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	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 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	10 U	10 U	10 U	10 U
Hexane, n-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	4 J	7 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	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	OU2	OU2	OU2	OU2	OU2	OU2
Sample Name:	OU2MW-30I2	OU2MW-30I2	OU2MW-30I3	OU2MW-30I3	OU2MW-30D	OU2MW-30D	OU2MW-30D2	DUP-SP01	OU2MW-30D2	OU2MW-31I	OU2MW-31I	OU2MW-31I2	OU2MW-31I2	OU2MW-32S	OU2MW-32S	OU2MW-32I	OU2MW-32I	OU2MW-32I2	OU2MW-32I2	
Screened Interval:	30-35 ft	30-35 ft	45-50 ft	45-50 ft	50-55 ft	50-55 ft	60-65 ft	60-65 ft	60-65 ft	18-23 ft	18-23 ft	30-35 ft	30-35 ft	5-15 ft	5-15 ft	20-25 ft	20-25 ft	30-35 ft	30-35 ft	
Sample Date:	4/5/2010	5/13/2010	4/5/2010	5/13/2010	4/5/2010	5/13/2010	4/5/2010	4/5/2010	5/13/2010	4/5/2010	5/13/2010	4/5/2010	5/13/2010	4/5/2010	5/13/2010	4/5/2010	5/13/2010	4/5/2010	5/13/2010	
Parent Sample:	OU2MW-30D2																			
Isopropyl benzene	5	10 U	10 U	10 U	10 U	2 J	1 J	17	14	17	10 U	10 U	10 U	10 U	10 U	28	26	5	3 J	
Methyl tert-butyl ether	10*	1 J	10 U	6	3 J	21	12	58	62	45	10 U	10 U	1 J	10 U	10 U	10 U	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	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	10 U	10 U	10 U	10 U
Naphthalene	10*	27	11 J	33	10 UJ	620 J	320	5800 J	4500 J	4200 J	10 U	10 UJ	7	26 J	3 J	10 UJ	1400 J	410	790 J	500
Nonane	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Octane, n-	NE	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ
Propanol, 2-	NE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Propylbenzene, n-	5	10 U	10 U	10 U	10 U	2 J	1 J	21	18	24	10 U	10 U	10 U	10 U	10 U	10 U	10 U	9	2 J	1 J
Styrene	5	10 U	10 U	10 U	10 U	20	48	41	44	51	10 U	10 U	10 U	6	10 U	10 U	10 U	10 U	10 U	1 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	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	10 U	10 U	10 U	10 U
Tetrachloroethene	5	10 U	10 U	1 J	10 U	2 J	10 U	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
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	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	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 UJ	10 U	10 UJ	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
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	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	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	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	10 U	10 U	10 U	10 U
Trichlorofluoromethane	5	10 U	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Trimethylbenzene 1,3,5-/P-ethyltoluene	NE	9 J	11	14	8	30	59	140	120	210	10 U	10 U	4 J	6	10 U	10 U	61	48	19	13
Trimethylbenzene, 1,2,4-	5	14	12	20	3 J	45	60	180	170	220	10 U	10 U	4 J	5	10 U	10 U	110	120	37	23
Trimethylpentane, 2,2,4-	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Vinyl acetate	NE	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Vinyl chloride	2	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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	10 U	13	13	15	10 U	10 U	10 U	10 U	10 U	10 U	130	110	11	13
Acenaphthylene	NE	3 J	2 J	10 U	10 U	24	10 U	210	180	180 J	10 U	10 U	10 U	10 U	10 U	10 U	33	70	150	130
Anthracene	50*	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	10 U	3 J	2 J	4 J	3 J
Benzo[g,h,i]perylene	NE	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	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	4 J	6	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J	1 J
Fluorene	50*	2 J	10 U	3 J	10 U	5	3 J	5	5	9	10 U	10 U	10 U	10 U	10 U	10 U	28	22	2 J	10 U
Methylnaphthalene, 2-	NE	10 U	10 U	10 U	10 U	6	10 U	250	190	300	10 U	10 U	10 U	10 U	10 U	10 U	36	5	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	2 J	10 U	1300 J	750 J	1700	10 U	10 U	1 J	10 U	10 U	10 U	990	330	720	410
Phenanthrene	50*	10 U	10 U	10 U	10 U	5	10 U	15	14	18	10 U	10 U	10 U	10 U	10 U	10 U	32	34	19	19
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	3 J	3 J	4 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3 J	2 J
Total Non-carcinogenic PAHs	NE	5	2	3	ND	44	3	1800	1159	2236	ND	ND	1	ND	ND	ND	1252	573	911	578
Carcinogenic PAHs (ug/L)																				
Benzo[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene	0	10 U	10 U	10 U	10 U	10 U	10 U	1 J	1 J	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	2 J	2 J	3 J	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	2 J	10 U	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	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
Dibenz[a,h]anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	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	10 U	10 U	10 U	10 U	10 U
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	7	5	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)																				
Total PAHs	NE	5	2	3	ND	44	3	1807	1164	2248	ND	ND	1	ND	ND	ND	1252	573	911	578

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	OU2	OU2	OU2	OU2	OU2	
Sample Name:	NYS	OU2MW-30I2	OU2MW-30I2	OU2MW-30I3	OU2MW-30I3	OU2MW-30D	OU2MW-30D	OU2MW-30D2	DUP-SP01	OU2MW-30D2	OU2MW-31I	OU2MW-31I	OU2MW-31I2	OU2MW-31I2	OU2MW-32S	OU2MW-32S	OU2MW-32I	OU2MW-32I	OU2MW-32I2	OU2MW-32I2	
Screened Interval:	AWQS	30-35 ft	30-35 ft	45-50 ft	45-50 ft	50-55 ft	50-55 ft	60-65 ft	60-65 ft	60-65 ft	18-23 ft	18-23 ft	30-35 ft	30-35 ft	5-15 ft	5-15 ft	20-25 ft	20-25 ft	20-25 ft	30-35 ft	30-35 ft
Sample Date:		4/5/2010	5/13/2010	4/5/2010	5/13/2010	4/5/2010	5/13/2010	4/5/2010	4/5/2010	5/13/2010	4/5/2010	5/13/2010	4/5/2010	5/13/2010	4/5/2010	5/13/2010	4/5/2010	5/13/2010	4/5/2010	5/13/2010	5/13/2010
Parent Sample:									OU2MW-30D2												
Total Metals (ug/L)																					
Aluminum	NE	NA	9.4 UJ	NA	60.4 UJ	NA	11.7 UJ	NA	NA	24.2 UJ	NA	8.0 U	NA	8.0 U	NA	40.9 UJ	NA	8.0 U	NA	8.0 U	
Antimony	3	NA	2.9 U	NA	2.9 U	NA	2.9 U	NA	NA	2.9 U	NA	2.9 U	NA	2.9 U	NA	2.9 U	NA	2.9 U	NA	2.9 U	
Arsenic	25	NA	2.5 U	NA	2.5 U	NA	2.5 U	NA	NA	2.5 U	NA	2.5 U	NA	2.5 U	NA	2.5 U	NA	3.8 J	NA	2.5 U	
Barium	1000	NA	26.3 J	NA	27.5 J	NA	25.1 J	NA	NA	23.4 J	NA	37.0 J	NA	68.0 J	NA	35.6 J	NA	22.2 J	NA	59.7 J	
Beryllium	3*	NA	0.17 U	NA	0.17 U	NA	0.17 U	NA	NA	0.17 U	NA	0.17 U	NA	0.17 U	NA	0.17 U	NA	0.17 U	NA	0.17 U	
Cadmium	5	NA	0.33 U	NA	0.33 U	NA	0.33 U	NA	NA	0.33 U	NA	0.33 U	NA	0.33 U	NA	22.4	NA	0.33 U	NA	0.33 U	
Calcium	NE	NA	26200	NA	16200	NA	11100	NA	NA	13000	NA	48200	NA	29300	NA	44700	NA	44000	NA	27900	
Chromium	50	NA	2.3 U	NA	2.3 U	NA	2.3 U	NA	NA	2.7 J	NA	2.3 U	NA	2.3 U	NA	2.3 U	NA	2.3 U	NA	2.3 U	
Cobalt	NE	NA	1.4 U	NA	1.4 U	NA	1.9 J	NA	NA	8.5 J	NA	2.4 J	NA	1.5 J	NA	1.4 U	NA	1.4 U	NA	15.4 J	
Copper	200	NA	5.0 J	NA	0.99 UJ	NA	1.0 UJ	NA	NA	1.1 UJ	NA	4.2 UJ	NA	1.8 UJ	NA	2.5 UJ	NA	0.64 U	NA	0.64 U	
Iron	300	NA	56.5 UJ	NA	92.9 UJ	NA	50.9 UJ	NA	NA	310	NA	95.6 UJ	NA	353	NA	70.5 UJ	NA	42600	NA	21400	
Lead	25	NA	1.7 J	NA	1.3 J	NA	1.3 U	NA	NA	2.6 J	NA	1.3 U	NA	1.3 U	NA	1.3 U	NA	4.0	NA	2.5 J	
Magnesium	35000*	NA	3240 J	NA	2750 J	NA	2620 J	NA	NA	4500 J	NA	5600	NA	3900 J	NA	8130	NA	5990	NA	4560 J	
Manganese	300	NA	1070	NA	3180	NA	1700	NA	NA	21100	NA	555	NA	2910	NA	7.7 J	NA	762	NA	1170	
Mercury	0.7	NA	0.10 UJ	NA	0.10 UJ	NA	0.10 UJ	NA	NA	0.10 UJ	NA	0.10 UJ	NA	0.10 UJ	NA	0.10 UJ	NA	0.10 UJ	NA	0.10 UJ	
Nickel	100	NA	6.2 J	NA	3.4 J	NA	3.2 J	NA	NA	6.9 J	NA	3.0 J	NA	1.5 U	NA	1.5 U	NA	1.5 U	NA	1.5 U	
Potassium	NE	NA	2880 J	NA	3360 J	NA	3880 J	NA	NA	2840 J	NA	5590	NA	4580 J	NA	3860 J	NA	3770 J	NA	4700 J	
Selenium	10	NA	2.8 U	NA	2.8 U	NA	2.8 U	NA	NA	2.8 U	NA	2.8 U	NA	2.8 U	NA	2.8 U	NA	2.8 U	NA	2.8 U	
Silver	50	NA	0.32 U	NA	0.32 U	NA	0.32 U	NA	NA	1.5 J	NA	0.32 U	NA	0.32 U	NA	0.32 U	NA	0.32 U	NA	0.32 U	
Sodium	20000	NA	41800	NA	66200	NA	58400	NA	NA	37800	NA	74500	NA	71900	NA	143000	NA	35300	NA	61100	
Thallium	0.5*	NA	3.0 U	NA	3.0 U	NA	3.0 U	NA	NA	3.0 U	NA	3.0 U	NA	3.0 U	NA	3.0 U	NA	3.0 U	NA	3.0 U	
Vanadium	NE	NA	1.1 U	NA	1.1 U	NA	1.1 U	NA	NA	1.1 U	NA	1.1 U	NA	1.1 U	NA	1.1 U	NA	1.1 U	NA	1.1 U	
Zinc	2000*	NA	8.3 UJ	NA	3.7 UJ	NA	3.5 UJ	NA	NA	2.4 U	NA	6.7 UJ	NA	7.5 UJ	NA	9.9 UJ	NA	2.4 U	NA	6.1 UJ	
Other (ug/L)																					
Alkalinity	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Nitrogen, Ammonia	2000	NA	100 U	NA	360	NA	190	NA	NA	100 U	NA	320	NA	130	NA	140	NA	340	NA	120	
Nitrogen, Nitrate	10000	NA	100 U	NA	100 U	NA	100 U	NA	NA	100 U	NA	260	NA	140	NA	1330	NA	160	NA	100 U	
Nitrogen, Nitrite	1000	NA	100 U	NA	100 U	NA	100 U	NA	NA	100 U	NA	100 U	NA	100 U	NA	100 U	NA	100 U	NA	100 U	
Nitrogen, Total	NE	NA	630 U	NA	1130 U	NA	580 U	NA	NA	510 U	NA	1140 UJ	NA	580 UJ	NA	1810 J	NA	1280 UJ	NA	410 U	
Nitrogen, Total Kjeldahl	NE	NA	630 U	NA	1130 U	NA	580 U	NA	NA	510 U	NA	880 U	NA	440 U	NA	480 U	NA	1120 U	NA	410 U	
Total Phosphorous	NE	NA	50 U	NA	50 U	NA	50 U	NA	NA	50 U	NA	50 U	NA	50 U	NA	50 U	NA	50 U	NA	50 U	
Sulfate	250000	NA	44100	NA	56700	NA	45400	NA	NA	18200	NA	48600	NA	26100	NA	9970	NA	7820	NA	25500	
Sulfide	50*	NA	2000 U	NA	2000 U	NA	2000 U	NA	NA	2000 U	NA	2000 U	NA	2000 U	NA	2000 U	NA	2000 U	NA	2000 U	
Other (cfu/mL)																					
Standard Plate Count	NE	NA	9200	NA	2600	NA	6200	NA	NA	1800	NA	350	NA	2100	NA	37	NA	95	NA	76	

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	OU2	OU2	OU2	OU2	OU2
Sample Name:	NYS	OU2MW-32D	OU2MW-32D	OU2MW-33S	OU2MW-33I	OU2MW-33I2	OU2MW-33D	OU2MW-34S	OU2MW-34I	OU2MW-34I2	OU2MW-35S	OU2MW-35S	OU2MW-35I	OU2MW-35I	OU2MW-35I2	OU2MW-35I2	OU2MW-35D	OU2MW-35D	OU2MW-36S	OU2MW-36S	
Screened Interval:	AWQS	40-45 ft	40-45 ft	5-15 ft	25-30 ft	35-40 ft	50-55 ft	5-15 ft	25-30 ft	45-50 ft	5-15 ft	25-30 ft	25-30 ft	45-50 ft	45-50 ft	57-62 ft	57-62 ft	5-15 ft	5-15 ft		
Sample Date:		4/5/2010	5/13/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/21/2010	4/21/2010	4/21/2010	4/13/2010	5/5/2010	4/13/2010	5/5/2010	4/13/2010	5/5/2010	4/13/2010	5/5/2010	4/14/2010	5/5/2010	
Parent Sample:																					
BTEX (ug/L)																					
Benzene	1	10 U	10 U	10 U	28	10 U	10 U	10 U	680	10 U	10 U	10 U	10 U	10 U	10 U	R	10 U	10 U	10 U	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	10 U	10 U	R	10 U	10 U	10 U	10 U	
Ethylbenzene	5	10 U	10 U	10 U	42	10 U	10 U	10 U	60	10 U	10 U	10 U	10 U	10 U	10 U	R	10 U	10 U	10 U	10 U	
Xylene, m,p-	5	10 U	10 U	10 U	2 J	10 U	10 U	10 U	7 J	10 U	10 U	10 U	10 U	10 U	10 U	R	10 U	10 U	10 U	10 U	
Xylene, o-	5	8	10 U	10 U	11	10 U	10 U	10 U	10	10 U	10 U	10 U	10 U	10 U	10 U	R	10 U	10 U	10 U	10 U	
Total BTEX	NE	8	ND	ND	83	ND	ND	ND	760	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Other VOCs (ug/L)																					
Acetaldehyde	8*	10 U	10 U	10 UJ	R	R	R	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	R	10 U	10 U	10 U	10 U	
Acetone	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	10 U	R	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	R	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	R	10 U	10 U	10 U	10 U	
Bromoform	50*	10 U	10 UJ	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	R	10 U	10 U	10 U	10 U	
Bromomethane	5	10 U	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	R	10 UJ	10 U	10 UJ	10 U	
Butadiene, 1,3-	NE	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	R	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	R	10 U	10 U	10 UJ	10 U	
Carbon disulfide	60*	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	R	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	R	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	R	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	R	10 U	10 U	10 U	10 U	
Chloroform	7	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	R	10 U	10 U	10 U	10 U	
Chloromethane	5	10 UJ	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	R	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 UJ	10 U	10 UJ	10 U	R	10 U	10 UJ	10 U	10 UJ	
Cryofluorane	NE	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	R	10 U	10 UJ	10 UJ	10 UJ	
Cyclohexane	NE	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 UJ	3 J	10 U	10 U	10 U	10 U	10 U	10 U	R	10 U	10 U	10 UJ	10 UJ	
Decane, n-	NE	10 UJ	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA	
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	R	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	R	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	R	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	R	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	R	10 U	10 U	10 U	10 U	
Dichlorodifluoromethane	5	10 UJ	10 U	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	R	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	R	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	R	10 U	10 U	10 U	10 U	
Dichloroethane, 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	R	10 U	10 U	10 U	10 U	
Dichloroethane, 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	R	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	R	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	R	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	R	10 U	10 U	10 U	10 U	
Dioxane, 1,4-	NE	500 U	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
Dodecane, n-	NE	10 UJ	10 UJ	NA	NA	NA	NA	NA	NA	NA	10 UJ	NA	10 UJ	NA	10 UJ	NA	10 UJ	NA	10 UJ	NA	
Ethanol	NE	R	R	R	R	R	500 U	R	R	R	R	R	R	R	R	R	R	R	R	R	
Heptane, n-	NE	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	R	10 U	10 U	10 UJ	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	10 U	10 U	R	10 U	10 U	10 U	10 U	
Hexane, n-	NE	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	R	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 U	10 UJ	10 U	10 UJ	10 U	10 U	R	10 U	10 UJ	10 U	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	OU2	OU2	OU2	OU2	OU2
Sample Name:	NYS	OU2MW-32D	OU2MW-32D	OU2MW-33S	OU2MW-33I	OU2MW-33I2	OU2MW-33D	OU2MW-34S	OU2MW-34I	OU2MW-34I2	OU2MW-35S	OU2MW-35S	OU2MW-35I	OU2MW-35I	OU2MW-35I2	OU2MW-35I2	OU2MW-35D	OU2MW-35D	OU2MW-36S	OU2MW-36S
Screened Interval:	AWQS	40-45 ft	40-45 ft	5-15 ft	25-30 ft	35-40 ft	50-55 ft	5-15 ft	25-30 ft	45-50 ft	5-15 ft	5-15 ft	25-30 ft	25-30 ft	45-50 ft	45-50 ft	57-62 ft	57-62 ft	5-15 ft	5-15 ft
Sample Date:		4/5/2010	5/13/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/21/2010	4/21/2010	4/21/2010	4/13/2010	5/5/2010	4/13/2010	5/5/2010	4/13/2010	5/5/2010	4/13/2010	5/5/2010	4/14/2010	5/5/2010
Parent Sample:																				
Isopropyl benzene	5	2 J	10 U	10 U	11	10 U	10 U	10 U	5 J	10 U	10 U	10 UJ	10 U	10 UJ	10 U	R	10 U	10 UJ	10 U	10 UJ
Methyl tert-butyl ether	10*	5	2 J	10 U	10 U	10 U	10 U	10 U	4 J	10 U	10 U	10 U	10 U	10 U	10 U	R	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	R	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	R	10 U	10 U	10 U	10 U
Naphthalene	10*	260 J	10 UJ	10 U	5	4 J	10 U	10 U	79	10 U	10 U	10 U	10 U	10 U	10 U	R	10 U	10 U	10 U	10 U
Nonane	NE	10 UJ	10 UJ	NA	NA	NA	NA	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA
Octane, n-	NE	10 U	10 UJ	NA	NA	NA	NA	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA
Propanol, 2-	NE	R	R	R	500 U	500 U	500 U	R	R	R	R	500 UJ	R	500 UJ	R	R	R	500 UJ	R	500 UJ
Propylbenzene, n-	5	10 U	10 U	10 U	4 J	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 U	R	10 U	10 UJ	10 U	10 UJ
Styrene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	R	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	R	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 UJ	10 U	10 UJ	10 U	R	10 U	10 UJ	10 U	10 UJ
Tetrachloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	R	10 U	10 U	10 UJ	10 UJ
Tetrahydrofuran	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	R	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	R	10 U	10 U	10 U	10 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	5	10 UJ	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 UJ	R	10 UJ	10 U	10 U	10 U
Trichlorobenzene, 1,2,4-	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	R	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	R	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	R	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	R	10 U	10 U	10 U	10 U
Trichlorofluoromethane	5	10 UJ	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	R	10 UJ	10 U	10 UJ	10 UJ
Trimethylbenzene 1,3,5-/P-ethyltoluene	NE	10 U	10 U	10 U	4 J	10 U	10 U	10 U	6 J	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	R	10 U	10 UJ	10 U	10 UJ
Trimethylbenzene, 1,2,4-	5	2 J	10 U	10 U	17	10 U	10 U	10 U	6	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	R	10 U	10 UJ	10 U	10 UJ
Trimethylpentane, 2,2,4-	NE	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	R	10 U	10 U	10 UJ	10 U
Vinyl acetate	NE	10 UJ	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	R	10 U	10 U	10 U	10 U
Vinyl chloride	2	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	10 U	R	10 U	10 U	10 U	10 U
Non-carcinogenic PAHs (ug/L)																				
Acenaphthene	20*	10 U	10 U	10 U	10	1 J	10 U	10 U	44	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	27	3 J	10 U	10 U	40	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	1 J	10 U	10 U	10 U	8	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ
Benzo[a,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 UJ	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	4 J	10 U	10 U	10 U	13	10 U	10 U	10 U	10 U	10 U	10 UJ	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 UJ	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	2 J	2 J	10 U	10 U	32	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	19	10 U	10 U	10 U	53	10 U	10 U	10 U	10 U	10 U	10 UJ	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	3 J	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ
Total Non-carcinogenic PAHs	NE	ND	ND	ND	63	6	ND	ND	195	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carcinogenic PAHs (ug/L)																				
Benzo[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene	0	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 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 UJ	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 UJ	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 UJ	10 U	10 U	10 U	10 U	10 U
Dibenzo[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 UJ	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 UJ	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	ND	ND	ND	ND
Total PAHs (ug/L)																				
Total PAHs	NE	ND	ND	ND	63	6	ND	ND	195	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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	OU2	OU2	OU2	OU2	OU2	
Sample Name:	NYS	OU2MW-32D	OU2MW-32D	OU2MW-33S	OU2MW-33I	OU2MW-33I2	OU2MW-33D	OU2MW-34S	OU2MW-34I	OU2MW-34I2	OU2MW-35S	OU2MW-35S	OU2MW-35I	OU2MW-35I	OU2MW-35I2	OU2MW-35I2	OU2MW-35D	OU2MW-36S	OU2MW-36S	OU2MW-36S	
Screened Interval:	AWQS	40-45 ft	40-45 ft	5-15 ft	25-30 ft	35-40 ft	50-55 ft	5-15 ft	25-30 ft	45-50 ft	5-15 ft	25-30 ft	25-30 ft	45-50 ft	45-50 ft	45-50 ft	57-62 ft	57-62 ft	5-15 ft	5-15 ft	
Sample Date:		4/5/2010	5/13/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/21/2010	4/21/2010	4/21/2010	4/13/2010	5/5/2010	4/13/2010	5/5/2010	4/13/2010	5/5/2010	4/13/2010	5/5/2010	4/14/2010	5/5/2010	5/5/2010
Parent Sample:																					
Total Metals (ug/L)																					
Aluminum	NE	NA	8.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	45.1 J	NA	33.7 J	NA	29.8 J	NA	220	NA	30.9 J
Antimony	3	NA	2.9 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.9 U	NA	2.9 U	NA	2.9 U	NA	2.9 U	NA	2.9 U
Arsenic	25	NA	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.7 U	NA	2.7 U	NA	2.7 U	NA	2.7 U	NA	2.7 U
Barium	1000	NA	42.7 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.9 J	NA	25.0 J	NA	17.4 J	NA	85.7 J	NA	17.7 J
Beryllium	3*	NA	0.17 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.16 U	NA	0.16 U	NA	0.16 U	NA	0.16 U	NA	0.16 U
Cadmium	5	NA	0.33 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.25 U	NA	0.25 U	NA	0.25 U	NA	0.25 U	NA	0.25 U
Calcium	NE	NA	23600	NA	NA	NA	NA	NA	NA	NA	NA	NA	27600	NA	37600	NA	9310	NA	21100	NA	25600
Chromium	50	NA	2.3 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.80 U	NA	0.90 J	NA	0.80 U	NA	1.1 J	NA	0.80 U
Cobalt	NE	NA	6.6 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.3 U	NA	1.3 U	NA	10.3 J	NA	2.8 J	NA	1.3 U
Copper	200	NA	0.88 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.1 U	NA	4.0 J	NA	3.1 U	NA	3.1 U	NA	3.1 U
Iron	300	NA	26.3 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA	53.0 J	NA	37.5 J	NA	24.0 UJ	NA	176	NA	17.7 UJ
Lead	25	NA	1.3 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.8	NA	9.1	NA	14.9	NA	22.6	NA	5.2
Magnesium	35000*	NA	3380 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	2800 J	NA	4380 J	NA	3640 J	NA	8350	NA	3170 J
Manganese	300	NA	3280	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.2 J	NA	2010	NA	379	NA	762	NA	0.60 J
Mercury	0.7	NA	0.10 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.10 U	NA	0.10 U	NA	0.10 U	NA	0.10 U	NA	0.10 U
Nickel	100	NA	4.7 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.3 U	NA	1.5 J	NA	3.6 J	NA	5.4 J	NA	1.3 U
Potassium	NE	NA	3580 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	2150 J	NA	3990 J	NA	1520 J	NA	2780 J	NA	2500 J
Selenium	10	NA	2.8 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.2 U	NA	3.2 U	NA	3.2 U	NA	3.2 U	NA	3.2 U
Silver	50	NA	0.32 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.51 J	NA	0.43 U	NA	0.43 U	NA	0.43 U	NA	0.43 U
Sodium	20000	NA	32600	NA	NA	NA	NA	NA	NA	NA	NA	NA	11800	NA	57900	NA	9980	NA	40800	NA	26000
Thallium	0.5*	NA	3.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.6 U	NA	3.6 U	NA	3.6 U	NA	3.6 U	NA	3.6 U
Vanadium	NE	NA	1.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.3 U	NA	1.3 U	NA	1.3 U	NA	1.3 U	NA	1.3 U
Zinc	2000*	NA	3.7 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.8	NA	6.3 J	NA	17.7 J	NA	416	NA	14.3 J
Other (ug/L)																					
Alkalinity	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Ammonia	2000	NA	100 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	100 U	NA	100 U	NA	100 U	NA	140	NA	100 U
Nitrogen, Nitrate	10000	NA	1710	NA	NA	NA	NA	NA	NA	NA	NA	NA	830	NA	320	NA	100 U	NA	100 U	NA	1450
Nitrogen, Nitrite	1000	NA	100 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	100 U	NA	100 U	NA	100 U	NA	100 U	NA	100 U
Nitrogen, Total	NE	NA	1710	NA	NA	NA	NA	NA	NA	NA	NA	NA	830	NA	320	NA	100 U	NA	310	NA	1450
Nitrogen, Total Kjeldahl	NE	NA	100 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	100 U	NA	100 U	NA	100 U	NA	310	NA	100 U
Total Phosphorous	NE	NA	50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	50 U	NA	50 U	NA	50 U	NA	50 U	NA	50 U
Sulfate	250000	NA	24900	NA	NA	NA	NA	NA	NA	NA	NA	NA	18600	NA	70800	NA	25700	NA	148000	NA	18300
Sulfide	50*	NA	2000 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	2000 U	NA	2000 U	NA	2000 U	NA	2000 U	NA	2000 U
Other (cfu/mL)																					
Standard Plate Count	NE	NA	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	12	NA	58	NA	13	NA	660	NA	31

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	OU2	OU2	OU2	OU2	OU2
Sample Name:	NYS	OU2MW-36I	OU2MW-36I	OU2MW-36I2	OU2MW-36I2	OU2MW-36D	OU2MW-36D	OU2MW-37S	OU2MW-37S	OU2MW-37I	OU2MW-37I	OU2MW-37I2	OU2MW-37I2	OU2MW-37D	OU2MW-37D	OU2MW-38S	OU2MW-38I	OU2MW-38I2	OU2MW-38D	OU2MW-39S	
Screened Interval:	AWQS	25-30 ft	25-30 ft	45-50 ft	45-50 ft	61-66 ft	61-66 ft	5-15 ft	5-15 ft	25-30 ft	25-30 ft	45-50 ft	45-50 ft	67-72 ft	67-72 ft	5-15 ft	25-30 ft	46-51 ft	56-61 ft	5-15 ft	
Sample Date:		4/14/2010	5/5/2010	4/14/2010	5/5/2010	4/14/2010	5/5/2010	4/14/2010	5/4/2010	4/14/2010	5/4/2010	4/14/2010	5/4/2010	4/14/2010	5/4/2010	5/10/2010	5/10/2010	5/10/2010	5/10/2010	4/14/2010	
Parent Sample:																					
BTEX (ug/L)																					
Benzene	1	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Toluene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Ethylbenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Xylene, m,p-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Xylene, o-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Total BTEX	NE	ND	ND	ND	ND	ND	ND	ND	ND	273	11	ND	ND	ND	ND	ND	ND	1	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	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	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	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	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	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	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	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	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	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	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	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	10 U	10 U	10 U	10 U	
Chloroform	7	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Chloromethane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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	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	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	10 U	10 U	10 U	10 U	10 U	
Decane, n-	NE	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NA	NA	10 U	10 U	10 U	
Dibromochloromethane	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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	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	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	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	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	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	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	10 U	10 U	10 U	10 U	
Dichloroethane, 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	10 U	10 U	10 U	10 U	
Dichloroethane, 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	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	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	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	10 U	10 U	10 U	10 U	
Dioxane, 1,4-	NE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
Dodecane, n-	NE	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NA	NA	10 U	10 U	
Ethanol	NE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	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 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	10 U	10 U	10 U	10 U	
Hexane, n-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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	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:	Sample Name:	Screened Interval:	Sample Date:	Parent Sample:	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2			
					OU2MW-36I	OU2MW-36I	OU2MW-36I2	OU2MW-36I2	OU2MW-36D	OU2MW-36D	OU2MW-37S	OU2MW-37S	OU2MW-37I	OU2MW-37I	OU2MW-37I2	OU2MW-37I2	OU2MW-37D	OU2MW-37D	OU2MW-38S	OU2MW-38I	OU2MW-38I2	OU2MW-38D	OU2MW-39S
					25-30 ft	25-30 ft	45-50 ft	45-50 ft	61-66 ft	61-66 ft	5-15 ft	5-15 ft	25-30 ft	25-30 ft	45-50 ft	45-50 ft	67-72 ft	67-72 ft	5-15 ft	25-30 ft	46-51 ft	56-61 ft	5-15 ft
					4/14/2010	5/5/2010	4/14/2010	5/5/2010	4/14/2010	5/5/2010	4/14/2010	5/4/2010	4/14/2010	5/4/2010	4/14/2010	5/4/2010	4/14/2010	5/4/2010	5/10/2010	5/10/2010	5/10/2010	5/10/2010	4/14/2010
Isopropyl benzene	5	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl tert-butyl ether	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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	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	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	10 U	10 U	10 UJ	10 UJ	1 J	1 J	10 UJ	3 J
Nonane	NE	10 U	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	NA	NA	10 UJ	10 UJ	10 UJ	10 U
Octane, n-	NE	10 U	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	NA	NA	R	R	10 U	10 U
Propanol, 2-	NE	R	500 UJ	R	500 UJ	R	500 UJ	R	500 UJ	R	R	R	R	R	R	R	R	500 UJ	500 UJ	500 UJ	500 UJ	500 UJ	R
Propylbenzene, n-	5	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethane, 1,1,2,2-	5	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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	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	10 U	10 U	10 UJ	10 UJ	10 UJ	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	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 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	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	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U
Trichloroethane, 1,1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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	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	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichlorofluoromethane	5	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ
Trimethylbenzene 1,3,5-/P-ethyltoluene	NE	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene, 1,2,4-	5	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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 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	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 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	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	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U
Non-carcinogenic PAHs (ug/L)																							
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[a,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	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	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	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	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	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	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U
Total Non-carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	18	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	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benz[a]pyrene	0	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benz[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benz[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzo[a,h]anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	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	18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2
Sample Name:	AWQS	OU2MW-36I	OU2MW-36I	OU2MW-36I2	OU2MW-36I2	OU2MW-36D	OU2MW-36D	OU2MW-37S	OU2MW-37S	OU2MW-37I	OU2MW-37I	OU2MW-37I2	OU2MW-37I2	OU2MW-37D	OU2MW-37D	OU2MW-38S	OU2MW-38I	OU2MW-38I2	OU2MW-38D	OU2MW-39S
Screened Interval:		25-30 ft	25-30 ft	45-50 ft	45-50 ft	61-66 ft	61-66 ft	5-15 ft	5-15 ft	25-30 ft	25-30 ft	45-50 ft	45-50 ft	67-72 ft	67-72 ft	5-15 ft	25-30 ft	46-51 ft	56-61 ft	5-15 ft
Sample Date:		4/14/2010	5/5/2010	4/14/2010	5/5/2010	4/14/2010	5/5/2010	4/14/2010	5/4/2010	4/14/2010	5/4/2010	4/14/2010	5/4/2010	4/14/2010	5/4/2010	5/10/2010	5/10/2010	5/10/2010	5/10/2010	4/14/2010
Parent Sample:																				
Total Metals (ug/L)																				
Aluminum	NE	NA	45.9 J	NA	34.8 J	NA	30.2 J	NA	8.0 UJ	NA	8.0 UJ	NA	8.0 UJ	NA	48.0 J	NA	NA	NA	NA	NA
Antimony	3	NA	2.9 U	NA	2.9 U	NA	2.9 U	NA	2.9 U	NA	2.9 U	NA	2.9 U	NA	2.9 U	NA	NA	NA	NA	NA
Arsenic	25	NA	2.7 U	NA	2.7 U	NA	6.3 J	NA	2.5 U	NA	2.5 U	NA	2.5 U	NA	2.5 U	NA	NA	NA	NA	NA
Barium	1000	NA	60.9 J	NA	47.6 J	NA	35.7 J	NA	8.3 J	NA	51.2 J	NA	89.9 J	NA	24.9 J	NA	NA	NA	NA	NA
Beryllium	3*	NA	0.16 U	NA	0.16 U	NA	0.16 U	NA	0.17 U	NA	0.17 U	NA	0.17 U	NA	0.24 J	NA	NA	NA	NA	NA
Cadmium	5	NA	0.30 J	NA	1.6 J	NA	0.25 U	NA	0.33 U	NA	0.33 U	NA	0.33 U	NA	0.33 U	NA	NA	NA	NA	NA
Calcium	NE	NA	31600	NA	13000	NA	9960	NA	28000	NA	52000	NA	15100	NA	17100	NA	NA	NA	NA	NA
Chromium	50	NA	0.80 U	NA	0.80 U	NA	0.80 U	NA	2.3 U	NA	2.3 U	NA	2.3 U	NA	2.3 U	NA	NA	NA	NA	NA
Cobalt	NE	NA	1.4 J	NA	74.8	NA	1.8 J	NA	1.4 U	NA	1.4 U	NA	3.8 J	NA	1.4 J	NA	NA	NA	NA	NA
Copper	200	NA	3.1 U	NA	3.1 U	NA	3.1 U	NA	4.0 UJ	NA	4.6 UJ	NA	1.9 UJ	NA	0.64 U	NA	NA	NA	NA	NA
Iron	300	NA	56.2 J	NA	136	NA	13700	NA	15.2 UJ	NA	36.0 UJ	NA	19.0 UJ	NA	17100	NA	NA	NA	NA	NA
Lead	25	NA	7.4	NA	15.1	NA	6.8	NA	1.3 U	NA	2.1 J	NA	1.3 U	NA	2.1 J	NA	NA	NA	NA	NA
Magnesium	35000*	NA	5130	NA	4540 J	NA	3680 J	NA	3000 J	NA	9530	NA	3640 J	NA	5670	NA	NA	NA	NA	NA
Manganese	300	NA	2400	NA	872	NA	304	NA	2.4 J	NA	2220	NA	2190	NA	465	NA	NA	NA	NA	NA
Mercury	0.7	NA	0.10 U	NA	0.10 U	NA	0.10 U	NA	0.10 U	NA	0.10 U	NA	0.10 U	NA	0.10 U	NA	NA	NA	NA	NA
Nickel	100	NA	2.2 J	NA	10.0 J	NA	3.6 J	NA	1.9 J	NA	1.5 U	NA	2.8 J	NA	1.6 J	NA	NA	NA	NA	NA
Potassium	NE	NA	5300	NA	1730 J	NA	1600 J	NA	3950 J	NA	4330 J	NA	5240	NA	1870 J	NA	NA	NA	NA	NA
Selenium	10	NA	3.2 U	NA	3.2 U	NA	3.2 U	NA	2.8 U	NA	2.8 U	NA	2.8 U	NA	2.8 U	NA	NA	NA	NA	NA
Silver	50	NA	0.43 U	NA	0.43 U	NA	0.43 U	NA	0.32 U	NA	0.32 U	NA	0.32 U	NA	0.32 U	NA	NA	NA	NA	NA
Sodium	20000	NA	77700	NA	29400	NA	26200	NA	15600	NA	48400	NA	40800	NA	44900	NA	NA	NA	NA	NA
Thallium	0.5*	NA	3.6 U	NA	3.6 U	NA	3.6 U	NA	3.0 U	NA	3.0 U	NA	3.0 U	NA	3.0 U	NA	NA	NA	NA	NA
Vanadium	NE	NA	1.3 U	NA	1.3 U	NA	1.3 U	NA	1.1 U	NA	1.1 U	NA	1.1 U	NA	1.1 U	NA	NA	NA	NA	NA
Zinc	2000*	NA	19.4 J	NA	25.0	NA	12.2 J	NA	20.9 U	NA	11.2 UJ	NA	58.9	NA	43.9 U	NA	NA	NA	NA	NA
Other (ug/L)																				
Alkalinity	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Ammonia	2000	NA	130	NA	100 U	NA	100 U	NA	100 UJ	NA	100 UJ	NA	100 U	NA	100 UJ	NA	NA	NA	NA	NA
Nitrogen, Nitrate	10000	NA	310	NA	100 U	NA	100 U	NA	2770	NA	100 U	NA	5530	NA	100 U	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1000	NA	100 U	NA	100 U	NA	100 U	NA	100 U	NA	100 U	NA	100 U	NA	100 U	NA	NA	NA	NA	NA
Nitrogen, Total	NE	NA	540	NA	100 U	NA	100	NA	3070	NA	240	NA	5930	NA	100 U	NA	NA	NA	NA	NA
Nitrogen, Total Kjeldahl	NE	NA	230	NA	100 U	NA	100	NA	300	NA	240	NA	400	NA	100 U	NA	NA	NA	NA	NA
Total Phosphorous	NE	NA	50 U	NA	50 U	NA	50 U	NA	50 U	NA	50 U	NA	50 U	NA	50 U	NA	NA	NA	NA	NA
Sulfate	250000	NA	69500	NA	76500	NA	95400	NA	11200	NA	26200	NA	30100	NA	176000	NA	NA	NA	NA	NA
Sulfide	50*	NA	2000 U	NA	2000 U	NA	2000 U	NA	2000 U	NA	2000 U	NA	2000 U	NA	2000 U	NA	NA	NA	NA	NA
Other (cfu/mL)																				
Standard Plate Count	NE	NA	75	NA	28	NA	37	NA	60 J	NA	300 J	NA	24 J	NA	28 J	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	OU2	OU2	OU2	OU2	OU2
Sample Name:	OU2MW-39S	OU2MW-39I	OU2MW-39I	OU2MW-39I2	OU2MW-39I2	OU2MW-39D	OU2MW-39D	OU2MW-40S	OU2MW-40I	OU2MW-41S	DUP-02 Q2	OU2MW-41I	OU2MW-42S	OU2MW-42S	OU2MW-42I	OU2MW-42I	OU2MW-42I2	OU2MW-42I2	OU2MW-42D	
Screened Interval:	5-15 ft	25-30 ft	25-30 ft	45-50 ft	45-50 ft	70-75 ft	70-75 ft	5-15 ft	18-23 ft	5-15 ft	5-15 ft	18-23 ft	5-15 ft	5-15 ft	25-30 ft	25-30 ft	45-50 ft	45-50 ft	60-65 ft	
Sample Date:	5/4/2010	4/14/2010	5/4/2010	4/14/2010	5/4/2010	4/14/2010	5/4/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/13/2010	5/3/2010	4/13/2010	5/3/2010	4/13/2010	5/3/2010	4/13/2010
Parent Sample:											OU2MW-41S									
BTEX (ug/L)																				
Benzene	1	10 U	10 U	10 U	36	70	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	17	10	4 J	3 J	10 U
Toluene	5	10 U	10 U	10 U	10 U	3 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	5	10 U	10 U	10 U	2 J	59	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3 J	2 J	10 U	10 U	10 U
Xylene, m,p-	5	10 U	10 U	10 U	15	51	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	13	10	10 U	10 U	3 J
Xylene, o-	5	10 U	10 U	10 U	20	45	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	15	11	2 J	1 J	10
Total BTEX	NE	ND	ND	ND	73	228	ND	ND	ND	ND	ND	ND	5	ND	ND	48	33	6	4	13
Other VOCs (ug/L)																				
Acetaldehyde	8*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	R	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	50*	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	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	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	10 U	10 U	10 U	10 U
Bromoform	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 UJ	10 U	10 U	10 U	10 UJ	10 U
Bromomethane	5	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ
Butadiene, 1,3-	NE	10 UJ	10 U	10 U	10 U	10 U	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 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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 UJ	10 UJ	10 UJ	10 UJ	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	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	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	10 U	10 U	10 U	10 U
Chloroform	7	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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	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 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cryofluorane	NE	10 UJ	10 UJ	10 U	10 UJ	10 U	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	10 U
Cyclohexane	NE	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	10 U	10 U	10 UJ	10 U	10 U	10 U
Decane, n-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NA	NA	NA	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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	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 UJ	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 UJ	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 UJ	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 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Dichloroethane, 1,1-	5	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	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	10 U	10 U	10 U	10 U
Dichloroethane, 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	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	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	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	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	10 U	10 U	10 U	10 U
Dioxane, 1,4-	NE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Dodecane, n-	NE	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	NA	NA	NA	NA	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Ethanol	NE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Heptane, n-	NE	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	10 U	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 U	10 UJ	R	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 U	10 U
Hexane, n-	NE	10 U	10 U	10 UJ	10 U	2 J	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 U
Hexanone, 2-	50*	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	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

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	OU2	OU2	OU2	OU2	OU2	
Sample Name:	OU2MW-39S	OU2MW-39I	OU2MW-39I	OU2MW-39I2	OU2MW-39I2	OU2MW-39D	OU2MW-39D	OU2MW-40S	OU2MW-40I	OU2MW-41S	DUP-02 Q2	OU2MW-41I	OU2MW-42S	OU2MW-42S	OU2MW-42I	OU2MW-42I	OU2MW-42I2	OU2MW-42I2	OU2MW-42D	OU2MW-42D	
Screened Interval:	5-15 ft	25-30 ft	25-30 ft	45-50 ft	45-50 ft	70-75 ft	70-75 ft	5-15 ft	18-23 ft	5-15 ft	5-15 ft	18-23 ft	5-15 ft	5-15 ft	25-30 ft	25-30 ft	45-50 ft	45-50 ft	60-65 ft	60-65 ft	
Sample Date:	5/4/2010	4/14/2010	5/4/2010	4/14/2010	5/4/2010	4/14/2010	5/4/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/13/2010	5/3/2010	4/13/2010	5/3/2010	4/13/2010	5/3/2010	4/13/2010	
Parent Sample:											OU2MW-41S										
Isopropyl benzene	5	10 U	10 U	10 U	7	7	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3 J	2 J	10 U	10 U	10 U	10 U	
Methyl tert-butyl ether	10*	10 U	10 U	10 U	3 J	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 J	1 J	2 J	4 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	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	10 U	10 U	10 U	10 U	
Naphthalene	10*	10 U	10 U	10 U	870	770	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	440	330	2 J	2 J	200	10 U	
Nonane	NE	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	NA	NA	NA	NA	NA	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	
Octane, n-	NE	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	NA	NA	NA	NA	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	
Propanol, 2-	NE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
Propylbenzene, n-	5	10 U	10 U	10 U	3 J	3 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J	1 J	10 U	10 U	10 U	1 J	
Styrene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 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	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 UJ	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	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	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	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 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	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 UJ	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	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	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	10 U	10 U	10 U	10 U	
Trichlorofluoromethane	5	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 UJ	
Trimethylbenzene 1,3,5-/P-ethyltoluene	NE	10 U	10 U	10 U	11	21	10 U	10 U	10 U	10 U	10 U	10 UJ	4 J	10 U	10 U	19	16	10 U	10 U	5 J	
Trimethylbenzene, 1,2,4-	5	10 U	10 U	10 U	33	38	10 U	10 U	10 U	10 U	10 UJ	7 J	10 U	10 U	24	20	10 U	10 U	10 U	2 J	
Trimethylpentane, 2,2,4-	NE	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 UJ	10 U	10 UJ	10 U	10 UJ	10 UJ	10 U	
Vinyl acetate	NE	10 U	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	10 U	10 U	10 U	10 U	
Vinyl chloride	2	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Non-carcinogenic PAHs (ug/L)																					
Acenaphthene	20*	10 U	10 U	10 U	5	9	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3 J	4 J	10 U	10 U	10 U	10 U	
Acenaphthylene	NE	10 U	10 U	10 U	34	42	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	9	8	1 J	10 U	10 U	9	
Anthracene	50*	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	1 J	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	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	5	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	7	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	
Methylnaphthalene, 2-	NE	10 U	10 U	10 U	74	47	10 U	10 U	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	420	110	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	66	
Phenanthrene	50*	10 U	10 U	10 U	2 J	2 J	10 U	10 U	10 U	10 U	4 J	10 U	10 U	10 U	2 J	10 U	10 U	10 U	10 U	1 J	
Pyrene	50*	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U	3 J	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Total Non-carcinogenic PAHs	NE	ND	ND	ND	542	220	ND	ND	ND	ND	12	ND	ND	ND	ND	15	14	1	ND	76	
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	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo[a]pyrene	0	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo[b]fluoranthene	0.002*	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	10 U	10 U	10 U	10 U	10 U	
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Chrysene	0.002*	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	10 U	10 U	10 U	10 U	10 U	
Dibenzo[a,h]anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Total PAHs (ug/L)																					
Total PAHs	NE	ND	ND	ND	542	220	ND	ND	ND	ND	19	ND	ND	ND	ND	15	14	1	ND	76	

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	OU2	OU2	OU2	OU2	OU2	
Sample Name:	NYS	OU2MW-39S	OU2MW-39I	OU2MW-39I	OU2MW-39I2	OU2MW-39D	OU2MW-39D	OU2MW-40S	OU2MW-40I	OU2MW-41S	DUP-02 Q2	OU2MW-41I	OU2MW-42S	OU2MW-42S	OU2MW-42I	OU2MW-42I	OU2MW-42I2	OU2MW-42I2	OU2MW-42D	OU2MW-42D	
Screened Interval:	AWQS	5-15 ft	25-30 ft	25-30 ft	45-50 ft	45-50 ft	70-75 ft	70-75 ft	5-15 ft	18-23 ft	5-15 ft	5-15 ft	18-23 ft	5-15 ft	5-15 ft	25-30 ft	25-30 ft	45-50 ft	45-50 ft	60-65 ft	
Sample Date:		5/4/2010	4/14/2010	5/4/2010	4/14/2010	5/4/2010	4/14/2010	5/4/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/7/2010	4/13/2010	5/3/2010	4/13/2010	5/3/2010	4/13/2010	5/3/2010	4/13/2010	4/13/2010
Parent Sample:												OU2MW-41S									
Total Metals (ug/L)																					
Aluminum	NE	8.0 UJ	NA	8.0 UJ	NA	40.9 J	NA	36.9 J	NA	NA	NA	NA	NA	NA	8.0 UJ	NA	8.0 UJ	NA	8.0 UJ	NA	
Antimony	3	2.9 U	NA	2.9 U	NA	2.9 U	NA	2.9 U	NA	NA	NA	NA	NA	NA	2.9 U	NA	2.9 U	NA	2.9 U	NA	
Arsenic	25	2.5 U	NA	2.5 U	NA	2.5 U	NA	2.5 U	NA	NA	NA	NA	NA	NA	2.5 U	NA	2.5 U	NA	2.5 U	NA	
Barium	1000	9.6 J	NA	46.3 J	NA	75.9 J	NA	86.3 J	NA	NA	NA	NA	NA	NA	2.5 U	NA	16.1 J	NA	46.7 J	NA	
Beryllium	3*	0.17 U	NA	0.17 U	NA	0.17 U	NA	0.48 J	NA	NA	NA	NA	NA	NA	0.17 U	NA	0.17 U	NA	0.17 U	NA	
Cadmium	5	0.33 U	NA	0.33 U	NA	0.33 U	NA	0.33 U	NA	NA	NA	NA	NA	NA	0.33 U	NA	0.33 U	NA	0.33 U	NA	
Calcium	NE	33100	NA	46200	NA	14600	NA	35100	NA	NA	NA	NA	NA	NA	26700	NA	44200	NA	17800	NA	
Chromium	50	2.3 U	NA	2.3 U	NA	2.3 U	NA	2.3 U	NA	NA	NA	NA	NA	NA	2.3 U	NA	2.3 U	NA	2.3 U	NA	
Cobalt	NE	1.4 U	NA	1.4 U	NA	1.4 U	NA	1.4 U	NA	NA	NA	NA	NA	NA	1.4 U	NA	1.4 U	NA	10 J	NA	
Copper	200	3.3 UJ	NA	2.9 UJ	NA	1.6 UJ	NA	1.4 UJ	NA	NA	NA	NA	NA	NA	3.2 UJ	NA	6.2 UJ	NA	2.0 UJ	NA	
Iron	300	28.5 UJ	NA	57.9 UJ	NA	2500	NA	23300	NA	NA	NA	NA	NA	NA	2330	NA	1310	NA	40.5 UJ	NA	
Lead	25	1.4 J	NA	1.3 U	NA	2.1 J	NA	2.8 J	NA	NA	NA	NA	NA	NA	1.3 U	NA	1.3 U	NA	1.3 U	NA	
Magnesium	35000*	4550 J	NA	7230	NA	5340	NA	12900	NA	NA	NA	NA	NA	NA	3480 J	NA	8240	NA	6320	NA	
Manganese	300	7.4 J	NA	362	NA	482	NA	547	NA	NA	NA	NA	NA	NA	50.4	NA	312	NA	1790	NA	
Mercury	0.7	0.10 U	NA	0.10 U	NA	0.10 U	NA	0.10 U	NA	NA	NA	NA	NA	NA	0.10 U	NA	0.10 U	NA	0.10 U	NA	
Nickel	100	1.5 U	NA	1.5 U	NA	1.5 U	NA	6.4 J	NA	NA	NA	NA	NA	NA	1.5 U	NA	2.3 J	NA	5.5 J	NA	
Potassium	NE	3150 J	NA	5940	NA	3420 J	NA	2570 J	NA	NA	NA	NA	NA	NA	2950 J	NA	3050 J	NA	4140 J	NA	
Selenium	10	2.8 U	NA	2.8 U	NA	2.8 U	NA	2.8 U	NA	NA	NA	NA	NA	NA	2.8 U	NA	2.8 U	NA	2.8 U	NA	
Silver	50	0.32 U	NA	0.32 U	NA	0.32 U	NA	0.32 U	NA	NA	NA	NA	NA	NA	0.32 U	NA	0.32 U	NA	0.32 U	NA	
Sodium	20000	16000	NA	51800	NA	56500	NA	81600	NA	NA	NA	NA	NA	NA	22200	NA	47100	NA	66300	NA	
Thallium	0.5*	3.0 U	NA	3.0 U	NA	3.0 U	NA	3.0 U	NA	NA	NA	NA	NA	NA	3.0 U	NA	3.0 U	NA	3.0 U	NA	
Vanadium	NE	1.1 U	NA	1.1 U	NA	1.1 U	NA	5.6 J	NA	NA	NA	NA	NA	NA	3.5 J	NA	1.1 U	NA	1.1 U	NA	
Zinc	2000*	72.0	NA	14.8 UJ	NA	21.7 U	NA	17.2 UJ	NA	NA	NA	NA	NA	NA	19.2 UJ	NA	14.2 UJ	NA	17.5 UJ	NA	
Other (ug/L)																					
Alkalinity	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Nitrogen, Ammonia	2000	100 U	NA	100 UJ	NA	150 J	NA	100 UJ	NA	NA	NA	NA	NA	NA	260	NA	100 UJ	NA	100 UJ	NA	
Nitrogen, Nitrate	10000	3680	NA	270	NA	100 U	NA	100 U	NA	NA	NA	NA	NA	NA	1050	NA	170	NA	440	NA	
Nitrogen, Nitrite	1000	100 U	NA	100 U	NA	100 U	NA	100 U	NA	NA	NA	NA	NA	NA	R	NA	R	NA	R	NA	
Nitrogen, Total	NE	3680	NA	590	NA	270	NA	160	NA	NA	NA	NA	NA	NA	1320	NA	480	NA	750	NA	
Nitrogen, Total Kjeldahl	NE	100 U	NA	320	NA	270	NA	160	NA	NA	NA	NA	NA	NA	270	NA	310	NA	310	NA	
Total Phosphorous	NE	50 U	NA	50 U	NA	50 U	NA	50 U	NA	NA	NA	NA	NA	NA	50 U	NA	50 U	NA	50 U	NA	
Sulfate	250000	18000	NA	30300	NA	48600	NA	356000	NA	NA	NA	NA	NA	NA	14300	NA	30700	NA	82300	NA	
Sulfide	50*	2000 U	NA	2000 U	NA	2000 U	NA	2000 U	NA	NA	NA	NA	NA	NA	2000 U	NA	2000 U	NA	2000 U	NA	
Other (cfu/mL)																					
Standard Plate Count	NE	15 J	NA	72 J	NA	110 J	NA	61 J	NA	NA	NA	NA	NA	NA	580 J	NA	660 J	NA	170 J	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	OU2	OU2	OU2	OU2
Sample Name:	NYS	OU2MW-42D	OU2MW-43S	OU2MW-43S	OU2MW-43I	OU2MW-43I	DUP-02 NC	OU2MW-43I2	OU2MW-43I2	OU2MW-43D	OU2MW-43D	OU2MW-44S	OU2MW-44S	OU2MW-44I	OU2MW-44I	DUP-01 NC	OU2MW-44I2	OU2MW-44I2	OU2MW-44D	OU2MW-44D
Screened Interval:	AWQS	60-65 ft	5-15 ft	5-15 ft	25-30 ft	25-30 ft	25-30 ft	45-50 ft	45-50 ft	65-70 ft	65-70 ft	5-15 ft	5-15 ft	25-30 ft	25-30 ft	25-30 ft	45-50 ft	45-50 ft	65-70 ft	65-70 ft
Sample Date:		5/3/2010	4/12/2010	5/6/2010	4/12/2010	5/6/2010		4/12/2010	5/6/2010	4/12/2010	5/5/2010	4/12/2010	5/4/2010	4/12/2010	5/4/2010		5/4/2010	4/12/2010	5/4/2010	4/12/2010
Parent Sample:							OU2MW-43I									OU2MW-44I				
BTEX (ug/L)																				
Benzene	1	10 U	10 U	24	10 U	2 J	2 J	4 J	4 J	2 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	12	10 U	10 U	10 U	10 U	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	32	10 U	10 U	10 U	10 U	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	3 J	10 U	23	10 U	10 U	10 U	8 J	6 J	2 J	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene, o-	5	9 J	10 U	27	10 U	10 U	10 U	4 J	3 J	2 J	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total BTEX	NE	12	ND	118	ND	2	2	16	13	6	4	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs (ug/L)																				
Acetaldehyde	8*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	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	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	10 U	10 U	10 U	10 U
Bromoform	50*	10 UJ	10 U	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 UJ
Bromomethane	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	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 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 UJ	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	10 U	10 U	10 U	10 U	10 U
Carbon disulfide	60*	10 U	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	10 U	10 U	10 U	10 U
Carbon tetrachloride	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	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	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	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	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 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 U	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 UJ	10 U	10 UJ	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 UJ	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ
Cyclohexane	NE	10 U	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	10 U	10 U	10 U	10 U
Decane, n-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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	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	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	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	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	5	10 UJ	10 U	10 UJ	10 U	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 U	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	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	10 U	10 U	10 U	10 U
Dichloroethane, 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	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	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	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	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	10 U	10 U	10 U	10 U
Dioxane, 1,4-	NE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Dodecane, n-	NE	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	NA	10 UJ	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U
Ethanol	NE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Heptane, n-	NE	10 U	10 U	10 UJ	10 U	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	10 U	10 U
Hexachlorobutadiene	0.5	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
Hexane, n-	NE	10 U	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	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 UJ	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	OU2	OU2	OU2	OU2	OU2	OU2
Sample Name:	OU2MW-42D	OU2MW-43S	OU2MW-43S	OU2MW-43I	OU2MW-43I	DUP-02 NC	OU2MW-43I2	OU2MW-43I2	OU2MW-43D	OU2MW-43D	OU2MW-44S	OU2MW-44S	OU2MW-44I	OU2MW-44I	DUP-01 NC	OU2MW-44I2	OU2MW-44I2	OU2MW-44D	OU2MW-44D	
Screened Interval:	AWQS	60-65 ft	5-15 ft	5-15 ft	25-30 ft	25-30 ft	45-50 ft	45-50 ft	65-70 ft	65-70 ft	5-15 ft	5-15 ft	25-30 ft	25-30 ft	25-30 ft	45-50 ft	45-50 ft	65-70 ft	65-70 ft	
Sample Date:		5/3/2010	4/12/2010	5/6/2010	4/12/2010	5/6/2010	4/12/2010	5/6/2010	4/12/2010	5/5/2010	4/12/2010	5/4/2010	4/12/2010	5/4/2010	5/4/2010	4/12/2010	5/4/2010	4/12/2010	5/4/2010	
Parent Sample:							OU2MW-43I								OU2MW-44I					
Isopropyl benzene	5	10 U	10 U	10 U	10 U	10 U	10 U	15	15	10 U	10 UJ	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	2 J	5	7	6	7	8	3 J	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J	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	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	10 U	10 U	10 U	10 U
Naphthalene	10*	170	2 J	4 J	2 J	29	24	1700	1700 J	78	82	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J
Nonane	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Octane, 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	10 U	10 U	10 U	10 U
Propanol, 2-	NE	R	R	R	R	R	R	R	R	R	500 UJ	R	R	R	R	R	R	R	R	R
Propylbenzene, n-	5	10 U	10 U	10 U	10 U	10 U	10 U	8	8	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	5	2 J	10 U	10 U	10 U	10 U	10 U	3 J	3 J	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	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 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	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	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 U	10 U	10 UJ	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	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	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	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	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	10 U	10 U	10 U	10 U
Trimethylbenzene 1,3,5-/P-ethyltoluene	NE	3 J	10 U	10 U	4 J	4 J	4 J	100	98	3 J	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene, 1,2,4-	5	2 J	10 U	3 J	10 U	3 J	3 J	120	130	3 J	3 J	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 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	2 J	9 J	9
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	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 UJ	10 U	10 U	10 UJ	10 U	10 UJ
Non-carcinogenic PAHs (ug/L)																				
Acenaphthene	20*	10 U	3 J	10 U	10 U	10 U	10 U	6	6	3 J	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	8	10 U	10 U	10 U	10 U	10 U	26	31	18	8	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 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 UJ
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	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	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	2 J	10 U	10 U	10 U	10 U	11	11	3 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	30	22	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	71	10 U	10 U	10 U	10 U	10 U	9	24	3 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	1 J	10 U	10 U	10 U	10 U	10 U	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
Pyrene	50*	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Total Non-carcinogenic PAHs	NE	80	5	ND	ND	ND	ND	85	96	27	10	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carcinogenic PAHs (ug/L)																				
Benzo[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene	0	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzo[a,h]anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)																				
Total PAHs	NE	80	5	ND	ND	ND	ND	85	96	27	10	ND	ND	ND	ND	ND	ND	ND	ND	ND

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	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2
Sample Name:	AWQS	OU2MW-42D	OU2MW-43S	OU2MW-43S	OU2MW-43I	OU2MW-43I	DUP-02 NC	OU2MW-43I2	OU2MW-43I2	OU2MW-43D	OU2MW-43D	OU2MW-44S	OU2MW-44S	OU2MW-44I	OU2MW-44I	DUP-01 NC	OU2MW-44I2	OU2MW-44I2	OU2MW-44D	OU2MW-44D
Screened Interval:		60-65 ft	5-15 ft	5-15 ft	25-30 ft	25-30 ft	25-30 ft	45-50 ft	45-50 ft	65-70 ft	65-70 ft	5-15 ft	5-15 ft	25-30 ft	25-30 ft	25-30 ft	45-50 ft	45-50 ft	65-70 ft	65-70 ft
Sample Date:		5/3/2010	4/12/2010	5/6/2010	4/12/2010	5/6/2010	5/6/2010	4/12/2010	5/6/2010	4/12/2010	5/5/2010	4/12/2010	5/4/2010	4/12/2010	5/4/2010	5/4/2010	4/12/2010	5/4/2010	4/12/2010	5/4/2010
Parent Sample:							OU2MW-43I									OU2MW-44I				
Total Metals (ug/L)																				
Aluminum	NE	5300	NA	31.3 UJ	NA	18.2 UJ	19.2 UJ	NA	29.1 UJ	NA	66.9 J	NA	195 J	NA	21.8 UJ	18 UJ	NA	21.5 UJ	NA	36.8 UJ
Antimony	3	2.9 U	NA	2.9 U	NA	2.9 U	2.9 U	NA	2.9 U	NA	2.9 U	NA	2.9 U	NA	2.9 U	2.1 U	NA	2.9 U	NA	2.9 U
Arsenic	25	2.5 U	NA	2.9 J	NA	2.5 U	2.5 U	NA	2.5 U	NA	2.7 U	NA	2.5 U	NA	2.5 U	2.3 U	NA	2.5 U	NA	2.5 U
Barium	1000	15.6 J	NA	42.4 J	NA	20.7 J	20.4 J	NA	46.4 J	NA	29.5 J	NA	5.3 J	NA	13.5 J	14.1 J	NA	24.0 J	NA	42.3 J
Beryllium	3*	2.1 J	NA	0.17 U	NA	0.17 U	0.17 U	NA	0.17 U	NA	0.16 U	NA	0.17 U	NA	0.17 U	0.26 U	NA	0.17 U	NA	0.66 J
Cadmium	5	0.33 U	NA	0.33 U	NA	0.33 U	0.33 U	NA	0.33 U	NA	0.25 U	NA	0.33 U	NA	0.33 U	0.34 U	NA	0.33 U	NA	0.57 UJ
Calcium	NE	46000	NA	70100	NA	40800	40400	NA	14100	NA	37000	NA	21000	NA	20300	20700	NA	18800	NA	12700
Chromium	50	2.3 U	NA	2.3 U	NA	2.3 U	2.3 U	NA	2.3 U	NA	1.4 J	NA	2.3 U	NA	2.3 U	0.44 U	NA	2.3 U	NA	2.3 U
Cobalt	NE	25.1 J	NA	1.4 U	NA	1.4 U	1.4 U	NA	22.9 J	NA	8.3 J	NA	1.4 U	NA	1.4 U	1.2 U	NA	1.4 U	NA	1.4 U
Copper	200	58.4	NA	0.70 J	NA	18.0 J	18.0 J	NA	52.4	NA	65.8	NA	1.5 J	NA	0.64 U	1.2 UJ	NA	1.0 J	NA	1.7 J
Iron	300	5260	NA	11700	NA	47.4 UJ	57.2 UJ	NA	342	NA	5030	NA	714	NA	221	261	NA	63.5 UJ	NA	56.6 UJ
Lead	25	4.9	NA	1.5 J	NA	1.3 U	1.3 U	NA	1.7 J	NA	20.0	NA	1.3 U	NA	1.3 U	1.8 U	NA	1.3 U	NA	1.5 J
Magnesium	35000*	16900	NA	12800	NA	16700	16600	NA	2450 J	NA	12400	NA	2420 J	NA	4170 J	4280 J	NA	3760 J	NA	5610
Manganese	300	1290	NA	152	NA	603	595	NA	2490	NA	620	NA	92.7	NA	337	348	NA	6980	NA	355
Mercury	0.7	0.10 U	NA	0.10 U	NA	0.10 U	0.10 U	NA	0.10 U	NA	0.10 U	NA	0.10 U	NA	0.10 U	0.10 U	NA	0.10 U	NA	0.10 U
Nickel	100	67.4	NA	1.5 U	NA	1.9 J	1.7 J	NA	14.8 J	NA	263	NA	1.5 U	NA	1.5 U	1.4 U	NA	1.5 U	NA	3.6 J
Potassium	NE	3650 J	NA	4260 J	NA	2630 J	2610 J	NA	5090	NA	4480 J	NA	2720 J	NA	2280 J	2600 J	NA	2820 J	NA	2810 J
Selenium	10	2.8 U	NA	2.8 UJ	NA	2.8 UJ	2.8 U	NA	2.8 U	NA	3.2 U	NA	2.8 U	NA	2.8 U	2.5 U	NA	2.8 U	NA	2.8 UJ
Silver	50	0.32 U	NA	0.32 U	NA	0.32 U	0.32 U	NA	0.32 U	NA	0.43 U	NA	0.32 U	NA	0.32 U	0.83 U	NA	0.38 J	NA	0.32 U
Sodium	20000	148000	NA	86500 J	NA	49200 J	48600 J	NA	66100 J	NA	290000	NA	13000 J	NA	21600 J	22300	NA	33300 J	NA	37500 J
Thallium	0.5*	3.0 U	NA	3.0 U	NA	3.0 U	3.0 U	NA	3.0 U	NA	3.6 U	NA	3.0 U	NA	3.0 U	3.2 U	NA	3.0 U	NA	3.0 U
Vanadium	NE	1.7 J	NA	1.1 U	NA	1.1 U	1.1 U	NA	1.1 U	NA	17.6 J	NA	1.4 J	NA	1.1 U	1.4 U	NA	1.1 U	NA	1.1 U
Zinc	2000*	53.0 U	NA	12.2 UJ	NA	9.9 UJ	14.9 UJ	NA	11.3 UJ	NA	18.8 J	NA	28.5 U	NA	15.8 UJ	11.8 UJ	NA	49.0 U	NA	11.6 UJ
Other (ug/L)																				
Alkalinity	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Ammonia	2000	910	NA	100 U	NA	100 U	100 U	NA	770	NA	310	NA	230	NA	100 U	100 U	NA	340	NA	100 U
Nitrogen, Nitrate	10000	100 U	NA	230	NA	100 U	100 U	NA	100 U	NA	100 U	NA	200	NA	1670	1690	NA	100 U	NA	940
Nitrogen, Nitrite	1000	R	NA	100 U	NA	100 U	100 U	NA	100 U	NA	100 U	NA	100 U	NA	100 U	100 U	NA	100 U	NA	100 U
Nitrogen, Total	NE	930	NA	380	NA	330 J	170 J	NA	1290	NA	2320	NA	490	NA	1670	1690	NA	350	NA	1070
Nitrogen, Total Kjeldahl	NE	930	NA	150	NA	330 J	170 J	NA	1290	NA	2320	NA	290	NA	100 U	100 U	NA	350	NA	130
Total Phosphorous	NE	50 U	NA	50 U	NA	50 U	50 U	NA	50 U	NA	50 U	NA	180	NA	50 U	50 U	NA	50 U	NA	50 U
Sulfate	250000	731000	NA	54200	NA	5000 U	5000 U	NA	5880	NA	636000	NA	18100	NA	23900	24000	NA	12900	NA	26900
Sulfide	50*	2000 U	NA	2000 U	NA	2000 U	2000 U	NA	2000 U	NA	2000 U	NA	2000 U	NA	2000 U	2000 U	NA	2000 U	NA	2000 U
Other (cfu/mL)																				
Standard Plate Count	NE	67 J	NA	380	NA	1500	1900	NA	6900	NA	1700	NA	460	NA	90 J	21 J	NA	58	NA	200

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	OU2	OU2	OU2	OU2	OU2	OU2
Sample Name:	OU2MW-45S	OU2MW-45S	OU2MW-45I	DUP-JC	OU2MW-45I	OU2MW-45I2	OU2MW-45I2	OU2MW-45D	OU2MW-45D	OU2MW-46S	OU2MW-46S	OU2MW-46I	OU2MW-46I	OU2MW-46I2	OU2MW-46I2	OU2MW-47S	OU2MW-47S	DUP-01JC	OU2MW-47I		
Screened Interval:	5-15 ft	5-15 ft	20-25 ft	20-25 ft	20-25 ft	40-45 ft	40-45 ft	55-60 ft	55-60 ft	5-15 ft	5-15 ft	20-25 ft	20-25 ft	40-45 ft	40-45 ft	5-15 ft	5-15 ft	5-15 ft	20-25 ft		
Sample Date:	4/9/2010	5/11/2010	4/9/2010	4/9/2010	5/11/2010	4/9/2010	5/11/2010	4/9/2010	5/11/2010	4/9/2010	5/11/2010	4/9/2010	5/11/2010	4/9/2010	5/11/2010	4/9/2010	5/11/2010	5/11/2010	4/9/2010		
Parent Sample:				OU2MW-45I														OU2MW-47S			
BTEX (ug/L)																					
Benzene	1	10 U	10 U	5	6	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	
Toluene	5	10 U	10 U	1 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	10 U	10 U	10 U	10 U	
Ethylbenzene	5	10 U	10 U	7	7	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	
Xylene, m,p-	5	10 U	10 U	5 J	5 J	7 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	10 U	
Xylene, o-	5	10 U	10 U	31	33	36	10 U	10 U	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	49	53	62	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Other VOCs (ug/L)																					
Acetaldehyde	8*	10 U	10 U	R	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Allyl chloride	5	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 UJ	10 UJ	
Bromodichloromethane	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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	10 U	10 U	10 U	10 U	
Bromomethane	5	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 UJ	10 UJ	
Butadiene, 1,3-	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	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	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 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	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	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	10 U	10 U	10 U	10 U	
Chloroethane	5	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 UJ	10 UJ	
Chloroform	7	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	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	10 U	10 U	10 U	10 U	10 U	
Cryofluorane	NE	10 UJ	10 UJ	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 UJ	10 UJ	10 UJ	10 UJ	10 UJ	
Cyclohexane	NE	10 U	10 UJ	10 U	10 U	3 J	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 UJ	10 UJ	
Decane, n-	NE	10 UJ	10 UJ	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 UJ	10 UJ	10 UJ	10 UJ	10 UJ	
Dibromochloromethane	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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	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	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	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	10 U	10 U	10 U	10 U	
Dichlorodifluoromethane	5	10 UJ	10 UJ	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 UJ	10 UJ	10 UJ	10 UJ	10 UJ	
Dichloroethane, 1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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	10 U	10 U	10 U	10 U	
Dichloroethane, 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	10 U	10 U	10 U	10 U	
Dichloroethane, 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	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	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	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	10 U	10 U	10 U	10 U	
Dioxane, 1,4-	NE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
Dodecane, n-	NE	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 UJ	10 UJ	
Ethanol	NE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
Heptane, n-	NE	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 UJ	10 UJ	
Hexachlorobutadiene	0.5	10 U	10 U	R	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Hexane, n-	NE	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 UJ	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	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	OU2	OU2	OU2	OU2	OU2	OU2
Sample Name:	OU2MW-45S	OU2MW-45S	OU2MW-45I	DUP-JC	OU2MW-45I	OU2MW-45I2	OU2MW-45I2	OU2MW-45D	OU2MW-45D	OU2MW-46S	OU2MW-46S	OU2MW-46I	OU2MW-46I	OU2MW-46I2	OU2MW-46I2	OU2MW-47S	OU2MW-47S	DUP-01JC	OU2MW-47I	
Screened Interval:	5-15 ft	5-15 ft	20-25 ft	20-25 ft	20-25 ft	40-45 ft	40-45 ft	55-60 ft	55-60 ft	5-15 ft	5-15 ft	20-25 ft	20-25 ft	40-45 ft	40-45 ft	5-15 ft	5-15 ft	5-15 ft	20-25 ft	
Sample Date:	4/9/2010	5/11/2010	4/9/2010	4/9/2010	5/11/2010	4/9/2010	5/11/2010	4/9/2010	5/11/2010	4/9/2010	5/11/2010	4/9/2010	5/11/2010	4/9/2010	5/11/2010	4/9/2010	5/11/2010	5/11/2010	4/9/2010	
Parent Sample:	OU2MW-45I																			
Isopropyl benzene	5	10 U	10 U	5	7	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl tert-butyl ether	10*	10 U	10 U	10 U	10 U	10 U	5	5	23	16	10 U	10 U	10 U	2 J	2 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	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	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 UJ	21	20	13 J	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 UJ	10 UJ
Nonane	NE	10 UJ	10 UJ	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 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Octane, n-	NE	10 U	R	10 U	10 U	R	10 U	R	10 U	R	10 U	R	10 U	R	10 U	R	10 U	R	10 U	10 U
Propanol, 2-	NE	R	500 UJ	R	R	500 UJ	R	500 UJ	R	500 UJ	R	500 UJ	R	500 UJ	R	500 UJ	R	500 UJ	500 UJ	R
Propylbenzene, n-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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	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	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	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	10 U	10 U	10 U	10 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	5	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 UJ	10 UJ
Trichlorobenzene, 1,2,4-	5	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 UJ	10 UJ
Trichloroethane, 1,1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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	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	10 U	10 U	10 U	10 U
Trichlorofluoromethane	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	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene 1,3,5-/P-ethyltoluene	NE	10 U	10 U	10 U	3 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	10 U	10 U	10 U
Trimethylbenzene, 1,2,4-	5	10 U	10 U	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	10 U	10 U	10 U
Trimethylpentane, 2,2,4-	NE	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 UJ	10 UJ
Vinyl acetate	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Vinyl chloride	2	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 UJ	10 UJ
Non-carcinogenic PAHs (ug/L)																				
Acenaphthene	20*	10 U	10 U	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	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	1 J	1 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	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	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	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	10 U	10 U	10 U	10 U	2 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	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	9	8	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	2 J	2 J	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
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	10 U	10 U	10 U	10 U	10 U
Total Non-carcinogenic PAHs	NE	ND	ND	14	13	25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	10 U	10 U	10 U	10 U
Benzo[a]pyrene	0	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzo[a,h]anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)																				
Total PAHs	NE	ND	ND	14	13	25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2
Sample Name:	NYS	OU2MW-45S	OU2MW-45S	OU2MW-45I	DUP-JC	OU2MW-45I	OU2MW-45I2	OU2MW-45I2	OU2MW-45D	OU2MW-45D	OU2MW-46S	OU2MW-46S	OU2MW-46I	OU2MW-46I	OU2MW-46I2	OU2MW-46I2	OU2MW-47S	OU2MW-47S	DUP-01JC	OU2MW-47I
Screened Interval:	AWQS	5-15 ft	5-15 ft	20-25 ft	20-25 ft	20-25 ft	40-45 ft	40-45 ft	55-60 ft	55-60 ft	5-15 ft	5-15 ft	20-25 ft	20-25 ft	40-45 ft	40-45 ft	5-15 ft	5-15 ft	5-15 ft	20-25 ft
Sample Date:		4/9/2010	5/11/2010	4/9/2010	4/9/2010	5/11/2010	4/9/2010	5/11/2010	4/9/2010	5/11/2010	4/9/2010	5/11/2010	4/9/2010	5/11/2010	4/9/2010	5/11/2010	4/9/2010	5/11/2010	5/11/2010	4/9/2010
Parent Sample:					OU2MW-45I															OU2MW-47S
Total Metals (ug/L)																				
Aluminum	NE	NA	227	NA	NA	26.4 UJ	NA	28.2 UJ	NA	74.6 UJ	NA	10.8 UJ	NA	12.1 UJ	NA	14.2 UJ	NA	14.0 UJ	8.0 U	NA
Antimony	3	NA	2.9 U	NA	NA	2.9 U	NA	2.9 U	NA	2.9 U	NA	2.9 U	NA	2.9 U	NA	3.1 J	NA	2.9 U	2.9 U	NA
Arsenic	25	NA	2.5 U	NA	NA	2.5 U	NA	2.5 U	NA	2.5 U	NA	2.5 U	NA	2.5 U	NA	2.5 U	NA	2.5 U	2.5 U	NA
Barium	1000	NA	7.9 J	NA	NA	26.5 J	NA	33.0 J	NA	9.4 J	NA	37.1 J	NA	34.1 J	NA	38.6 J	NA	16.0 J	20.2 J	NA
Beryllium	3*	NA	0.17 U	NA	NA	0.29 UJ	NA	0.17 U	NA	0.65 UJ	NA	0.17 U	NA	0.17 U	NA	0.17 U	NA	0.17 U	0.17 U	NA
Cadmium	5	NA	0.33 U	NA	NA	0.33 U	NA	0.35 UJ	NA	0.79 UJ	NA	0.33 U	NA	0.33 U	NA	0.33 U	NA	0.33 U	0.33 U	NA
Calcium	NE	NA	19900	NA	NA	34800	NA	15100	NA	7970	NA	76500	NA	69800	NA	18600	NA	20200	20700	NA
Chromium	50	NA	2.3 U	NA	NA	2.3 U	NA	2.3 U	NA	2.3 U	NA	2.3 U	NA	2.3 U	NA	2.3 U	NA	2.3 U	2.3 U	NA
Cobalt	NE	NA	1.4 U	NA	NA	1.4 J	NA	1.4 U	NA	2.4 J	NA	1.4 U	NA	1.4 U	NA	7.5 J	NA	1.4 U	1.4 U	NA
Copper	200	NA	4.2 UJ	NA	NA	2.4 UJ	NA	1.9 UJ	NA	3.5 UJ	NA	4.8 UJ	NA	5.7 UJ	NA	11.9 UJ	NA	4.2 UJ	4.6 UJ	NA
Iron	300	NA	2030	NA	NA	9380	NA	42.7 UJ	NA	112	NA	14.5 UJ	NA	67.5 J	NA	23.7 UJ	NA	20.4 UJ	35.1 UJ	NA
Lead	25	NA	1.3 U	NA	NA	1.3 U	NA	1.5 J	NA	1.5 J	NA	1.3 U	NA	1.5 J	NA	1.3 U	NA	1.3 U	1.3 U	NA
Magnesium	35000*	NA	3300 J	NA	NA	5650	NA	2600 J	NA	1630 J	NA	10900	NA	9040	NA	4220 J	NA	3680 J	3780 J	NA
Manganese	300	NA	46.0	NA	NA	728	NA	9490	NA	6420	NA	42.7	NA	86.4	NA	4000	NA	60.9	62.3	NA
Mercury	0.7	NA	0.10 UJ	NA	NA	0.10 UJ	NA	0.10 UJ	NA	0.10 UJ	NA	0.10 UJ	NA	0.10 UJ	NA	0.10 UJ	NA	0.10 UJ	0.10 UJ	NA
Nickel	100	NA	2.1 J	NA	NA	1.6 J	NA	1.6 J	NA	3.7 J	NA	2.5 J	NA	2.4 J	NA	4.4 J	NA	1.8 J	1.6 J	NA
Potassium	NE	NA	1780 J	NA	NA	3890 J	NA	3070 J	NA	1540 UJ	NA	6360 J	NA	6410 J	NA	3550 J	NA	1490 UJ	1650 J	NA
Selenium	10	NA	2.8 U	NA	NA	2.8 U	NA	2.8 U	NA	2.8 U	NA	2.8 U	NA	2.8 U	NA	2.8 U	NA	2.8 U	2.8 U	NA
Silver	50	NA	0.32 UJ	NA	NA	0.32 UJ	NA	0.87 UJ	NA	1.1 UJ	NA	0.32 UJ	NA	0.32 UJ	NA	0.44 UJ	NA	0.32 UJ	0.32 UJ	NA
Sodium	20000	NA	14400 J	NA	NA	47700 J	NA	32500 J	NA	13200 J	NA	102000 J	NA	106000 J	NA	55200 J	NA	18300 J	19000 J	NA
Thallium	0.5*	NA	3.0 U	NA	NA	3.0 U	NA	3.0 U	NA	3.7 UJ	NA	3.0 U	NA	3.0 U	NA	3.0 U	NA	3.0 U	3.0 U	NA
Vanadium	NE	NA	2.3 J	NA	NA	1.1 U	NA	1.1 U	NA	1.1 U	NA	1.2 J	NA	1.1 U	NA	1.1 U	NA	3.6 J	3.5 J	NA
Zinc	2000*	NA	38.1	NA	NA	9.6 UJ	NA	73.8	NA	4.2 UJ	NA	14.4 UJ	NA	8.8 UJ	NA	9.2 UJ	NA	28.6	26.6	NA
Other (ug/L)																				
Alkalinity	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Ammonia	2000	NA	100 U	NA	NA	250	NA	110	NA	100 U	NA	100 U	NA	370	NA	100 U	NA	100 U	100 U	NA
Nitrogen, Nitrate	10000	NA	320	NA	NA	100 U	NA	990	NA	760	NA	860	NA	720	NA	4620	NA	1900	1880	NA
Nitrogen, Nitrite	1000	NA	100 U	NA	NA	100 U	NA	100 U	NA	100 U	NA	100 U	NA	100 U	NA	100 U	NA	100 U	100 U	NA
Nitrogen, Total	NE	NA	530	NA	NA	360	NA	1100	NA	880	NA	1140	NA	1270	NA	4830	NA	2070	2130	NA
Nitrogen, Total Kjeldahl	NE	NA	210	NA	NA	360	NA	110	NA	120	NA	280	NA	550	NA	210	NA	170	250	NA
Total Phosphorous	NE	NA	240	NA	NA	50 U	NA	50 U	NA	50 U	NA	50 U	NA	50 U	NA	50 U	NA	80	70	NA
Sulfate	250000	NA	10300	NA	NA	9480	NA	21400	NA	11700	NA	23200	NA	39900	NA	18000	NA	15300	15300	NA
Sulfide	50*	NA	2000 U	NA	NA	2000 U	NA	2000 U	NA	2000 U	NA	2000 U	NA	2000 U	NA	2000 U	NA	2000 U	2000 U	NA
Other (cfu/mL)																				
Standard Plate Count	NE	NA	160	NA	NA	300	NA	110	NA	190	NA	22	NA	130	NA	12	NA	200	200	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	OU2	OU2	OU2	OU2	OU2
Sample Name:	OU2MW-47I	OU2MW-47I2	OU2MW-47I2	OU2MW-47D	OU2MW-47D	OU2MW-52S	OU2MW-52I	OU2MW-52D	OU2MW-53S	OU2MW-53I	OU2MW-53D	OU2MW-54S	OU2MW-54S	OU2MW-54I	OU2MW-54I	OU2MW-54I2	OU2MW-54I2	OU2MW-54D	OU2MW-54D	DUP-040210
Screened Interval:	20-25 ft	40-45 ft	40-45 ft	60-65 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	5-15 ft	25-30 ft	25-30 ft	40-45 ft	40-45 ft	40-45 ft	60-65 ft	60-65 ft
Sample Date:	5/12/2010	4/9/2010	5/11/2010	4/9/2010	5/12/2010	4/7/2010	4/7/2010	4/7/2010	4/8/2010	4/8/2010	4/8/2010	4/2/2010	4/28/2010	4/2/2010	4/28/2010	4/2/2010	4/28/2010	4/2/2010	4/2/2010	4/2/2010
Parent Sample:																				OU2MW-54D
BTEX (ug/L)																				
Benzene	1	10 U	10 U	2 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	10 U	10 U	10 U
Toluene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	5	10 U	10 U	23	10 U	10 U	10 U	10 U	10 U	10 U	10 U	28	19	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene, m,p-	5	10 U	10 U	15	11	8 J	10 U	10 U	10 U	10 U	10 U	6 J	3 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene, o-	5	10 U	1 J	17	8	5	10 U	10 U	10 U	10 U	10 U	51	37	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total BTEX	NE	ND	1	57	19	13	ND	ND	ND	ND	ND	86	59	ND	ND	ND	ND	ND	ND	ND
Other VOCs (ug/L)																				
Acetaldehyde	8*	10 U	10 U	10 U	R	10 U	10 UJ	10 UJ	10 UJ	R	R	R	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 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
Allyl chloride	5	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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	10 U	10 U	10 U	10 U
Bromoform	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	10 U	10 U	10 U	10 U	10 U
Bromomethane	5	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
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 UJ	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	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 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	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 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	9	6	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	5	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 U	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	10 U	10 U	10 U	10 U	10 U
Chloromethane	5	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	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	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 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Cyclohexane	NE	10 UJ	10 U	1 J	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Decane, n-	NE	10 U	10 UJ	10 UJ	10 U	10 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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	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	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	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	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	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	5	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Dichloroethane, 1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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	10 U	10 U	10 U	10 U
Dichloroethane, 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	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	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	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	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	10 U	10 U	10 U	10 U
Dioxane, 1,4-	NE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Dodecane, n-	NE	10 U	10 U	10 UJ	10 U	10 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethanol	NE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Heptane, n-	NE	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 UJ	10 UJ	10 U
Hexachlorobutadiene	0.5	10 U	10 U	10 U	R	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	10 U	10 U
Hexane, n-	NE	10 UJ	10 U	10 UJ	10 U	10 UJ	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 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 UJ	10 U	10 UJ	10 U	10 UJ	10 U	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	OU2	OU2	OU2	OU2	OU2	OU2
Sample Name:	OU2MW-47I	OU2MW-47I2	OU2MW-47I2	OU2MW-47D	OU2MW-47D	OU2MW-52S	OU2MW-52I	OU2MW-52D	OU2MW-53S	OU2MW-53I	OU2MW-53D	OU2MW-54S	OU2MW-54S	OU2MW-54I	OU2MW-54I	OU2MW-54I2	OU2MW-54I2	OU2MW-54D	OU2MW-54D	DUP-040210
Screened Interval:	20-25 ft	40-45 ft	40-45 ft	60-65 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	5-15 ft	25-30 ft	25-30 ft	40-45 ft	40-45 ft	60-65 ft	60-65 ft	60-65 ft
Sample Date:	5/12/2010	4/9/2010	5/11/2010	4/9/2010	5/12/2010	4/7/2010	4/7/2010	4/7/2010	4/8/2010	4/8/2010	4/8/2010	4/2/2010	4/2/2010	4/2/2010	4/2/2010	4/2/2010	4/2/2010	4/2/2010	4/2/2010	4/2/2010
Parent Sample:																				OU2MW-54D
Isopropyl benzene	5	10 U	10 U	1 J	5	4 J	10 U	10 U	10 U	10 U	10 U	16	16	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl tert-butyl ether	10*	10 UJ	6	4 J	18	27	10 U	3 J	31	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	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	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	2 J	210	120 J	10 U	10 U	10 U	10 U	10 U	12	11 J	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U
Nonane	NE	10 U	10 UJ	10 UJ	10 U	10 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Octane, n-	NE	10 U	10 U	R	10 U	R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Propanol, 2-	NE	R	R	500 UJ	R	500 UJ	R	R	R	500 U	500 U	500 U	R	500 UJ	R	500 UJ	R	500 UJ	R	R
Propylbenzene, n-	5	10 U	10 U	10 U	1 J	1 J	10 U	10 U	10 U	10 U	10 U	2 J	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	5	10 U	10 U	10 U	1 J	1 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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	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	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	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 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 U	10 U	10 U	10 U	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 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichlorobenzene, 1,2,4-	5	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
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	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	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	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 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene 1,3,5-/P-ethyltoluene	NE	10 U	10 U	5 J	10	9 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	10 U
Trimethylbenzene, 1,2,4-	5	10 U	10 U	5	36	32	10 U	10 U	10 U	10 U	10 U	9	6	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylpentane, 2,2,4-	NE	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	5 J	10 J	10 UJ	10 UJ
Vinyl acetate	NE	10 UJ	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 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Vinyl chloride	2	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 UJ
Non-carcinogenic PAHs (ug/L)																				
Acenaphthene	20*	10 U	10 U	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	10 U	10 U
Acenaphthylene	NE	10 U	10 U	2 J	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	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	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	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	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	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	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	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	1 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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	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	10 U	10 U	10 U	10 U	10 U
Total Non-carcinogenic PAHs	NE	ND	ND	8	ND	6	ND	ND	ND	ND	ND	ND	10	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	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene	0	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzo[a,h]anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)																				
Total PAHs	NE	ND	ND	8	ND	6	ND	ND	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	ND

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	OU2	OU2	OU2	OU2	OU2	OU2
Sample Name:	NYS	OU2MW-47I	OU2MW-47I2	OU2MW-47I2	OU2MW-47D	OU2MW-47D	OU2MW-52S	OU2MW-52I	OU2MW-52D	OU2MW-53S	OU2MW-53I	OU2MW-53D	OU2MW-54S	OU2MW-54S	OU2MW-54I	OU2MW-54I	OU2MW-54I2	OU2MW-54I2	OU2MW-54D	OU2MW-54D	DUP-040210
Screened Interval:	AWQS	20-25 ft	40-45 ft	40-45 ft	60-65 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	5-15 ft	25-30 ft	25-30 ft	40-45 ft	40-45 ft	40-45 ft	60-65 ft	60-65 ft
Sample Date:		5/12/2010	4/9/2010	5/11/2010	4/9/2010	5/12/2010	4/7/2010	4/7/2010	4/7/2010	4/8/2010	4/7/2010	4/8/2010	4/8/2010	4/2/2010	4/28/2010	4/2/2010	4/28/2010	4/2/2010	4/28/2010	4/2/2010	4/2/2010
Parent Sample:																					OU2MW-54D
Total Metals (ug/L)																					
Aluminum	NE	8.0 U	NA	15.5 UJ	NA	8.0 U	NA	NA	NA	NA	NA	NA	37.2 J	38.7 UJ	15.9 J	46.2 UJ	42.6 J	55.1 UJ	23.2 J	15.7 J	
Antimony	3	2.9 U	NA	2.9 U	NA	2.9 U	NA	NA	NA	NA	NA	NA	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	6.2 J	2.9 U
Arsenic	25	2.5 U	NA	2.5 U	NA	2.5 U	NA	NA	NA	NA	NA	NA	2.5 U	2.7 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Barium	1000	66.6 J	NA	112 J	NA	20.8 J	NA	NA	NA	NA	NA	NA	23.3 J	28.9 J	26.0 J	22.5 J	40.6 J	38.8 J	30.9 J	32.0 J	
Beryllium	3*	0.17 U	NA	0.17 U	NA	0.17 U	NA	NA	NA	NA	NA	NA	0.17 U	0.24 UJ	0.17 U	0.24 UJ	0.17 U	0.21 UJ	0.53 J	0.17 U	
Cadmium	5	0.33 U	NA	0.56 UJ	NA	0.35 UJ	NA	NA	NA	NA	NA	NA	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.80 J	0.33 U
Calcium	NE	66600	NA	33000	NA	9020	NA	NA	NA	NA	NA	NA	40700	50100	24600	21000	20900	21100	13000	13600	
Chromium	50	2.3 U	NA	2.3 U	NA	2.3 U	NA	NA	NA	NA	NA	NA	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	NA	5.0 J	NA	206	NA	NA	NA	NA	NA	NA	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Copper	200	9.4 UJ	NA	3.8 UJ	NA	5.0 UJ	NA	NA	NA	NA	NA	NA	0.64 U	0.64 U	1.3 UJ	0.72 J	2.1 UJ	0.85 J	1.9 UJ	2.0 UJ	
Iron	300	31.0 UJ	NA	22.9 UJ	NA	518	NA	NA	NA	NA	NA	NA	8830	10600	18.0 UJ	19.1 UJ	77.8 UJ	43.3 UJ	83.8 J	86.2 J	
Lead	25	2.9 J	NA	1.9 J	NA	1.3 U	NA	NA	NA	NA	NA	NA	1.5 UJ	1.3 U	1.3 U	2.2 UJ	1.3 U	1.3 U	1.3 U	1.3 U	
Magnesium	35000*	10700	NA	5420	NA	3690 J	NA	NA	NA	NA	NA	NA	4940 J	6160	5440	4590 J	4170 J	4090 J	6370	6670	
Manganese	300	389	NA	19400	NA	2020	NA	NA	NA	NA	NA	NA	113	130	458	544	13600	14100	1870	1950	
Mercury	0.7	0.10 UJ	NA	0.10 UJ	NA	0.10 UJ	NA	NA	NA	NA	NA	NA	0.14 UJ	0.10 U	0.10 UJ	0.10 U	0.12 UJ	0.10 U	0.10 U	0.10 U	
Nickel	100	1.9 J	NA	2.2 J	NA	111	NA	NA	NA	NA	NA	NA	1.5 U	1.5 U	1.5 U	1.5 U	1.8 J	1.5 U	5.2 J	5.0 J	
Potassium	NE	8010 J	NA	5440 J	NA	2400 J	NA	NA	NA	NA	NA	NA	3810 J	4930 J	2840 J	2930 J	4120 J	4560 J	1760 J	1830 J	
Selenium	10	2.8 U	NA	2.8 U	NA	2.8 U	NA	NA	NA	NA	NA	NA	2.8 U	2.8 UJ	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	
Silver	50	0.32 UJ	NA	1.9 UJ	NA	0.32 UJ	NA	NA	NA	NA	NA	NA	0.32 U	0.32 U	0.32 U	0.39 UJ	1.1 J	1.2 UJ	0.57 J	0.32 U	
Sodium	20000	90900 J	NA	75100 J	NA	41100 J	NA	NA	NA	NA	NA	NA	39000	59200	38300	42000	52700	52300	20500	21600	
Thallium	0.5*	3.0 U	NA	3.0 U	NA	3.0 U	NA	NA	NA	NA	NA	NA	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	
Vanadium	NE	1.1 U	NA	1.1 U	NA	1.1 U	NA	NA	NA	NA	NA	NA	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	
Zinc	2000*	19.4 UJ	NA	2.4 U	NA	27.0	NA	NA	NA	NA	NA	NA	13.7 UJ	15.9 UJ	10.1 UJ	14.2 UJ	2.4 U	7.4 UJ	10.0 UJ	11.5 UJ	
Other (ug/L)																					
Alkalinity	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Nitrogen, Ammonia	2000	460	NA	190	NA	100 U	NA	NA	NA	NA	NA	NA	530	390	480	470	580	510	390 J	170 J	
Nitrogen, Nitrate	10000	720	NA	140	NA	100 U	NA	NA	NA	NA	NA	NA	100 U	100 U	2070	1100	100 U	100 U	2570	2530	
Nitrogen, Nitrite	1000	100 U	NA	100 U	NA	100 U	NA	NA	NA	NA	NA	NA	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	
Nitrogen, Total	NE	1370	NA	330	NA	540	NA	NA	NA	NA	NA	NA	520	460	2810	1740	1190	670	2970	2760	
Nitrogen, Total Kjeldahl	NE	650	NA	190	NA	540	NA	NA	NA	NA	NA	NA	520	460	740	640	1190	670	400 J	230 J	
Total Phosphorous	NE	50 U	NA	50 U	NA	50 U	NA	NA	NA	NA	NA	NA	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	
Sulfate	250000	31300	NA	20100	NA	41600	NA	NA	NA	NA	NA	NA	14100	13800	16700	17100	67900	13200	18100	18000	
Sulfide	50*	2000 U	NA	2000 U	NA	2000 U	NA	NA	NA	NA	NA	NA	R	2000 U	R	2000 U	R	2000 U	R	R	
Other (cfu/mL)																					
Standard Plate Count	NE	300	NA	1000	NA	5700	NA	NA	NA	NA	NA	NA	36	130 J	80	94 J	1500	580 J	110 J	69 J	

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	OU2
Sample Name:	NYS	OU2MW-54D	OU2MW-55S	OU2MW-55I	OU2MW-55I2	OU2MW-55D	OU2MW-56S	OU2MW-56I	OU2MW-56I2	OU2MW-56D	DUP-29 COMM	OU2MW-57S	DUP-14 Q2	OU2MW-57I	OU2MW-57I2	
Screened Interval:	AWQS	60-65 ft	5-15 ft	30-35 ft	50-55 ft	65-70 ft	5-15 ft	25-30 ft	45-50 ft	65-70 ft	65-70 ft	5-15 ft	20-30 ft	20-30 ft	35-45 ft	
Sample Date:		4/28/2010	6/28/2010	6/28/2010	6/28/2010	6/28/2010	6/28/2010	6/28/2010	6/28/2010	6/28/2010	6/28/2010	6/17/2010	6/17/2010	6/17/2010	6/17/2010	
Parent Sample:											OU2MW-56D	OU2MW-57I				
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	2 J	2 J	50 U	10 U	
Toluene	5	10 U	8	7	16	40	10 U	11	10 U	10 U	10 U	10	16	16 J	10 U	
Ethylbenzene	5	10 U	10 U	10 U	4 J	8	10 U	23	10 U	10 U	10 U	1400	1100	1200	10 U	
Xylene, m,p-	5	10 U	10 U	2 J	64	73	10 U	2 J	10 U	10 U	10 U	150	1800	1800	10 U	
Xylene, o-	5	10 U	10 U	9	36	38	10 U	9	10 U	10 U	10 U	520	1500	1700	10 U	
Total BTEX	NE	ND	8	18	120	159	ND	45	ND	ND	ND	2082	4418	4716	ND	
Other VOCs (ug/L)																
Acetaldehyde	8*	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	500 U	50 U	10 U
Acetone	50*	10 U	1 J	2 J	6 J	3 J	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	52 J	190 J	130 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	500 U	50 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	500 U	50 U	10 U
Bromofom	50*	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	50 U	10 U
Bromomethane	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	500 U	50 U	10 U
Butadiene, 1,3-	NE	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	500 UJ	50 UJ	10 UJ
Butanone, 2-	50*	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	2 J	500 U	50 U	10 U	
Carbon disulfide	60*	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	500 U	50 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	50 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	50 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	500 U	50 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	500 U	50 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	500 UJ	50 UJ	10 UJ
Chlorotoluene	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	50 U	10 U	
Cryofluorane	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	500 UJ	50 UJ	10 UJ
Cyclohexane	NE	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	500 UJ	50 UJ	10 UJ
Decane, n-	NE	NA	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NA	NA	NA	NA	
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	50 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	50 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	50 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	50 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	50 U	10 U	
Dichlorodifluoromethane	5	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	500 UJ	50 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	500 U	50 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	500 U	50 U	10 U
Dichloroethane, 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	500 U	50 U	10 U
Dichloroethane, 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	500 U	50 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	50 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	50 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	50 U	10 U	
Dioxane, 1,4-	NE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
Dodecane, n-	NE	NA	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	NA	NA	NA
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 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	500 UJ	50 UJ	10 UJ
Hexachlorobutadiene	0.5	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	50 U	10 U	
Hexane, n-	NE	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	500 UJ	50 UJ	10 UJ
Hexanone, 2-	50*	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 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	OU2	OU2
Sample Name:	OU2MW-54D	OU2MW-55S	OU2MW-55I	OU2MW-55I2	OU2MW-55D	OU2MW-56S	OU2MW-56I	OU2MW-56I2	OU2MW-56D	DUP-29 COMM	OU2MW-57S	DUP-14 Q2	OU2MW-57I	OU2MW-57I2		
Screened Interval:	60-65 ft	5-15 ft	30-35 ft	50-55 ft	65-70 ft	5-15 ft	25-30 ft	45-50 ft	65-70 ft	65-70 ft	5-15 ft	20-30 ft	20-30 ft	35-45 ft		
Sample Date:	4/28/2010	6/28/2010	6/28/2010	6/28/2010	6/28/2010	6/28/2010	6/28/2010	6/28/2010	6/28/2010	6/28/2010	6/17/2010	6/17/2010	6/17/2010	6/17/2010		
Parent Sample:										OU2MW-56D		OU2MW-57I				
Isopropyl benzene	5	10 U	10 UJ	10 U	10 U	4 J	10 U	9	10 U	10 U	10 U	120	67	53	10 U	
Methyl tert-butyl ether	10*	10 U	10 U	10 U	11	8	10 U	10 U	6	84	88	10 U	500 U	50 U	4 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	50 U	50 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	500 U	50 U	10 U	
Naphthalene	10*	10 UJ	10 U	2 J	340	560	10 U	10	10 U	10 U	10 U	720 J	230 J	260 J	10 UJ	
Nonane	NE	NA	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	NA	NA	NA	NA	
Octane, n-	NE	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NA	NA	NA	NA	
Propanol, 2-	NE	500 UJ	500 U	R	R	R	R	R	R	R	R	R	R	R	R	
Propylbenzene, n-	5	10 U	10 UJ	10 UJ	1 J	6 J	10 UJ	3 J	10 UJ	10 UJ	10 UJ	54	14	13 J	10 U	
Styrene	5	10 U	10 U	10 U	17	18	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 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	50 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	50 U	10 U	
Tetrachloroethene	5	10 U	10 U	10 U	10 U	1 J	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	50 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	500 U	50 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	500 U	50 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	500 U	50 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	50 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	50 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	50 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	50 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	500 U	50 U	10 U	
Trimethylbenzene 1,3,5-/P-ethyltoluene	NE	10 U	10 U	10 U	17	52	10 U	10 U	10 U	10 U	10 U	280	370 J	340	10 U	
Trimethylbenzene, 1,2,4-	5	10 U	10 UJ	10 U	31	87	10 U	16	10 U	10 U	10 U	550	240 J	250	10 U	
Trimethylpentane, 2,2,4-	NE	1 J	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	500 UJ	50 UJ	3 J	
Vinyl acetate	NE	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	500 U	50 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	500 U	50 U	10 U	
Non-carcinogenic PAHs (ug/L)																
Acenaphthene	20*	10 U	10 U	10 U	1 J	5	10 U	10 U	10 U	10 U	10 U	14	4 J	4 J	10 U	
Acenaphthylene	NE	10 U	10 U	10 U	8	14	10 U	10 U	10 U	10 U	10 U	2 J	7	7	10 U	
Anthracene	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	
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	10 U	10 U	3 J	4 J	10 U	10 U	10 U	10 U	10 U	7	1 J	2 J	10 U	
Methylnaphthalene, 2-	NE	10 U	10 U	10 U	4 J	36	10 U	10 U	10 U	10 U	10 U	23	5	5	10 U	
Naphthalene	10*	10 U	10 U	10 U	2 J	120	10 U	6	10 U	10 U	10 U	320	62	52	10 U	
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3 J	1 J	2 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	2 J	10 U	10 U	10 U	
Total Non-carcinogenic PAHs	NE	ND	ND	ND	18	179	ND	6	ND	ND	ND	375	80	72	ND	
Carcinogenic PAHs (ug/L)																
Benzo[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo[a]pyrene	0	10 U	10 U	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 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	
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	18	179	ND	6	ND	ND	ND	375	80	72	ND	

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-54D	OU2MW-55S	OU2MW-55I	OU2MW-55I2	OU2MW-55D	OU2MW-56S	OU2MW-56I	OU2MW-56I2	OU2MW-56D	DUP-29 COMM	OU2MW-57S	DUP-14 Q2	OU2MW-57I	OU2MW-57I2
Screened Interval:	AWQS	60-65 ft	5-15 ft	30-35 ft	50-55 ft	65-70 ft	5-15 ft	25-30 ft	45-50 ft	65-70 ft	65-70 ft	5-15 ft	20-30 ft	20-30 ft	35-45 ft
Sample Date:		4/28/2010	6/28/2010	6/28/2010	6/28/2010	6/28/2010	6/28/2010	6/28/2010	6/28/2010	6/28/2010	6/28/2010	6/17/2010	6/17/2010	6/17/2010	6/17/2010
Parent Sample:											OU2MW-56D	OU2MW-57I			
Total Metals (ug/L)															
Aluminum	NE	45.6 UJ	27.2 UJ	8.0 UJ	20.1 UJ	1160	8.0 UJ	40.8 UJ	8.0 UJ	8.0 UJ	18 UJ	NA	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	2.1 U	NA	NA	NA	NA
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	2.3 U	NA	NA	NA	NA
Barium	1000	36.4 J	8.4 J	53.1 J	23.2 J	24.9 J	7.1 J	47.7 J	44.0 J	29.8 J	30.2 J	NA	NA	NA	NA
Beryllium	3*	0.23 UJ	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.40 J	0.26 U	NA	NA	NA	NA
Cadmium	5	0.33 U	0.38 UJ	0.33 U	0.59 UJ	0.33 U	0.33 U	0.33 U	0.43 UJ	0.81 UJ	0.41 UJ	NA	NA	NA	NA
Calcium	NE	15600	19500	25700	11500	9580	25000	28200	12600	15300	15800	NA	NA	NA	NA
Chromium	50	2.3 U	2.3 U	2.3 U	2.3 U	6.6 J	2.3 U	2.3 U	2.3 U	2.3 U	0.44 U	NA	NA	NA	NA
Cobalt	NE	1.4 U	2.5 J	1.4 U	1.4 J	3.8 J	1.4 U	1.4 U	2.5 J	1.6 J	1.6 J	NA	NA	NA	NA
Copper	200	0.71 J	6.7 UJ	4.6 UJ	2.9 UJ	10.6 J	5.0 UJ	1.3 UJ	3.2 UJ	3.8 UJ	4.0 UJ	NA	NA	NA	NA
Iron	300	51.4 UJ	515	123 U	263	3520	103 U	23100	50.7 UJ	79.1 UJ	75.6 UJ	NA	NA	NA	NA
Lead	25	1.3 U	1.7 J	1.5 J	1.3 U	2.4 J	1.3 U	3.1	2.0 J	1.3 J	1.8 U	NA	NA	NA	NA
Magnesium	35000*	7450	2910 J	5250	3140 J	3270 J	4170 J	4650 J	2350 J	5190	5250	NA	NA	NA	NA
Manganese	300	2220	18.0	542	5610	1700	13.1 J	1280	10000	3330	3450	NA	NA	NA	NA
Mercury	0.7	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	NA	NA	NA	NA
Nickel	100	5.3 J	8.7 UJ	2.6 UJ	2.0 UJ	17.0 J	2.1 UJ	2.0 UJ	1.5 U	6.3 UJ	6.4 UJ	NA	NA	NA	NA
Potassium	NE	2160 J	2430 J	3210 J	3000 J	1830 J	2180 J	4720 J	2380 J	2840 J	2890 J	NA	NA	NA	NA
Selenium	10	2.8 UJ	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.5 U	NA	NA	NA	NA
Silver	50	0.32 U	0.32 U	0.32 U	0.51 UJ	0.32 U	0.32 U	0.38 UJ	0.90 UJ	0.57 UJ	0.83 U	NA	NA	NA	NA
Sodium	20000	24700	10500 J	54900 J	26600 J	14600 J	12500 J	42300 J	26500 J	26600 J	27500 J	NA	NA	NA	NA
Thallium	0.5*	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.2 UJ	3.2 U	NA	NA	NA	NA
Vanadium	NE	1.1 U	4.5 J	1.1 U	1.1 U	2.8 J	1.9 J	1.3 J	1.1 U	1.1 U	1.4 U	NA	NA	NA	NA
Zinc	2000*	19.4 UJ	114	53.9 U	41.2 U	355	20.5 U	19.6 UJ	19.0 UJ	113 J	74.4 UJ	NA	NA	NA	NA
Other (ug/L)															
Alkalinity	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Ammonia	2000	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	NA	NA	NA	NA
Nitrogen, Nitrate	10000	3130	970 J	100 UJ	100 UJ	100 UJ	3690 J	220 J	1600 J	4510 J	4520 J	NA	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	NA	NA	NA	NA
Nitrogen, Total	NE	3130	970	200	160	140	3690	220	1600	4510	4520	NA	NA	NA	NA
Nitrogen, Total Kjeldahl	NE	100 U	100 U	200	160	140	100 U	100 U	100 U	100 U	100 U	NA	NA	NA	NA
Total Phosphorous	NE	50 U	150	50 U	50 U	50 U	110	50 U	50 U	50 U	50 U	NA	NA	NA	NA
Sulfate	250000	17800	14300	19400	37200	7540	19300	37200	20500	25500	25600	NA	NA	NA	NA
Sulfide	50*	2000 U	2000 UJ	2000 UJ	2000 UJ	2000 UJ	2000 UJ	2000 UJ	2000 UJ	2000 UJ	2000 UJ	NA	NA	NA	NA
Other (cfu/mL)															
Standard Plate Count	NE	99 J	2400	4200	1100	2400	22000	2300	3200	9400	9000	NA	NA	NA	NA

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	11	0	835	27	0.0356	Increasing
	BBMW-20D	3	0	1359	-1	0.6015	No Trend
	BBMW-20I	11	0	8	6	0.6345	No Trend
	BBMW-22D	11	0	2980.5	-20	0.1183	No Trend
	BBMW-22I	11	0	42.5	36	0.0012	Increasing
	BBMW-22S	11	0	9370	21	0.1021	No Trend
	MW-05D	11	3	7	-21	0.0016	Decreasing
	MW-05S	11	0	8060	-3	0.6523	No Trend
	OZMW-19D	7	0	35	11	0.0985	Decreasing
	OZMW-19I	7	0	886.5	-5	0.4527	No Trend
	OZMW-19I2	7	0	918.5	3	0.7084	No Trend
	OZMW-19S	7	1	283.5	0	1.0000	No Trend
	OZMW-21D	8	0	10	-8	0.3223	No Trend
	OZMW-21I	8	0	407	-6	0.4579	No Trend
	OZMW-21I2	8	0	134	21	0.0515	Increasing
	OZMW-21S	8	0	5360	0	1.0000	No Trend
	OZMW-23D	9	0	17	-20	0.0371	Decreasing
	OZMW-23I	11	3	26.5	16	0.0953	Increasing
	OZMW-23I2	11	2	11	-38	0.0012	Decreasing
	OZMW-23S	11	3	144.5	-33	0.0067	Decreasing
	OZMW-24D	11	0	1595	-40	0.0006	Decreasing
	OZMW-24I	11	1	157	-25	0.0516	Decreasing
	OZMW-24I2	11	0	123	-45	0.0003	Decreasing
	OZMW-24S	11	0	66	8	0.5322	No Trend
	OZMW-25I	10	0	248	-46	0.0003	Decreasing
	OZMW-25I2	8	0	149.5	17	0.1284	No Trend
	OZMW-25S	10	0	1724	-7	0.5858	No Trend
	OZMW-26D	10	9	0.1	3	0.7884	No Trend
OZMW-26I	10	2	17	-35	0.0008	Decreasing	
OZMW-26I2	11	0	393	-43	0.0008	Decreasing	
OZMW-26S	11	0	70	-43	0.0008	Decreasing	
Downgradient	BBMW-01D	29	1	45	196	0.0002	Increasing
	BBMW-01I	29	0	36	-94	0.0775	Decreasing
	BBMW-01S	29	0	203	-259	0.0000	Decreasing
	BBMW-23D	23	1	4	-126	0.0007	Decreasing
	BBMW-23D2	26	21	0.1	-15	0.4710	No Trend
	BBMW-23I	26	17	0.1	108	0.0048	Increasing
	BBMW-23S	26	0	10259.5	-51	0.2610	No Trend
	OZMW-16I	14	2	71	-49	0.0059	Decreasing
	OZMW-16I2	14	0	392	51	0.0052	Increasing
	OZMW-16S	14	10	0.1	-13	0.1069	No Trend *
	OZMW-17D	14	7	0.1	23	0.1390	Increasing
	OZMW-17I	14	3	16	-60	0.0006	Decreasing
	OZMW-17I2	14	5	3.05	19	0.2632	Increasing
	OZMW-17S	14	2	21	-59	0.0009	Decreasing
	OZMW-18D	14	0	342	54	0.0031	Increasing
	OZMW-18I	14	4	12.55	-48	0.0048	Decreasing
	OZMW-18I2	14	1	53.5	-56	0.0021	Decreasing
OZMW-18S	14	4	0.55	-58	0.0007	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 4-13
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	11	0	1203	15	0.2429	No Trend
	BBMW-20D	3	0	4688	3	0.1172	No Trend
	BBMW-20I	11	0	157	-9	0.4835	No Trend
	BBMW-22D	11	0	5140	-15	0.2429	No Trend
	BBMW-22I	11	0	5010	5	0.6547	No Trend
	BBMW-22S	11	0	1972	29	0.0240	Increasing
	MW-05D	11	0	711	-5	0.6971	No Trend
	MW-05S	11	0	1052	1	0.9379	No Trend
	OZMW-19D	7	0	33	-11	0.0985	Decreasing
	OZMW-19I	7	0	2849	-3	0.6523	No Trend
	OZMW-19I2	7	0	2305	-13	0.0509	Decreasing
	OZMW-19S	7	0	102	-11	0.0985	Decreasing
	OZMW-21D	8	0	827	-12	0.1376	No Trend
	OZMW-21I	8	0	5739.5	6	0.4579	No Trend
	OZMW-21I2	8	0	5519	-2	0.8046	No Trend
	OZMW-21S	8	0	4321.5	-10	0.2160	No Trend
	OZMW-23D	9	0	46	9	0.3454	No Trend
	OZMW-23I	11	8	0.1	-19	0.0262	Decreasing
	OZMW-23I2	11	4	0.1	-30	0.0103	Decreasing
	OZMW-23S	11	2	17	-29	0.0204	Decreasing
	OZMW-24D	11	0	4857	25	0.0516	Increasing
	OZMW-24I	11	5	0.1	-34	0.0020	Decreasing
	OZMW-24I2	11	0	4805	7	0.5858	No Trend
	OZMW-24S	11	2	11	-2	0.8759	No Trend
	OZMW-25D	10	2	66	22	0.0858	Increasing
	OZMW-25I	10	0	3256.5	5	0.6547	No Trend
	OZMW-25I2	8	0	64	17	0.1857	No Trend
	OZMW-25S	10	0	3515	-1	0.9287	No Trend
	OZMW-26D	10	9	0.1	3	0.6015	No Trend
	OZMW-26I	10	9	0.1	-9	0.1172	No Trend
OZMW-26I2	11	0	23	-30	0.0182	Decreasing	
OZMW-26S	11	4	1	-14	0.2613	No Trend	
Downgradient	BBMW-01D	29	5	65	127	0.0167	Increasing
	BBMW-01I	29	0	5583	-44	0.4092	No Trend
	BBMW-01S	29	5	122.5	-79	0.1364	No Trend
	BBMW-23D	23	10	0.55	16	0.6469	No Trend
	BBMW-23D2	26	21	0.1	-17	0.4139	No Trend
	BBMW-23I	26	12	0.1	67	0.1125	No Trend
	BBMW-23S	26	1	1596	91	0.0449	Increasing
	OZMW-16D	14	6	0.1	-1	0.9478	No Trend
	OZMW-16I	14	1	39	-61	0.0007	Decreasing
	OZMW-16I2	14	2	178	38	0.0372	Increasing
	OZMW-16S	14	9	0.1	-25	0.0230	Decreasing
	OZMW-17D	14	3	4	32	0.0781	Increasing
	OZMW-17I	14	7	0.1	-30	0.0378	Decreasing
	OZMW-17I2	14	5	2	-12	0.4630	No Trend
	OZMW-17S	14	8	0.1	-25	0.0535	Decreasing
	OZMW-18D	14	1	1515	-1	0.9563	No Trend
	OZMW-18I	14	1	15	-67	0.0002	Decreasing
	OZMW-18I2	14	0	7644	-59	0.0012	Decreasing
OZMW-18S	14	7	0.1	-32	0.0267	Decreasing	

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	10	3	48.5	6	0.5860	No Trend
		OU2MW-18I	9	0	3791	-22	0.0218	Decreasing
		OU2MW-18I2	9	6	0.1	21	0.0085	Increasing
	Downgradient	OU2MW-22I	7	1	8	-11	0.0985	Decreasing
		OU2MW-22S	7	5	0.1	-4	0.3173	No Trend
		OU2MW-23I	7	0	161	-9	0.1765	No Trend
		OU2MW-24I	7	3	56	-18	0.0048	Decreasing
		OU2MW-24S	7	6	0.1	-4	0.3173	No Trend
		OU2MW-25I	7	1	125	-9	0.1765	No Trend
		OU2MW-35I	16	13	0.1	-40	0.0076	Decreasing
		OU2MW-35S	16	13	0.1	-40	0.0076	Decreasing
		OU2MW-36I	16	12	0.1	-54	0.0013	Decreasing
		OU2MW-37I	16	2	263	-27	0.2237	No Trend
		OU2MW-37I2	16	15	0.1	-11	0.2328	No Trend
		OU2MW-37S	16	14	0.1	-11	0.3840	No Trend
		OU2MW-38I	7	1	122	-15	0.0243	Decreasing
		OU2MW-38I2	7	6	0.1	6	0.1336	No Trend
		OU2MW-38S	7	6	0.1	-4	0.3173	No Trend
		OU2MW-39D	16	15	0.1	7	0.4477	No Trend
		OU2MW-39I	16	10	0.1	13	0.4982	No Trend
OU2MW-39I2	16	7	1	47	0.0262	Increasing		
OU2MW-39S	16	15	0.1	-9	0.3290	Decreasing		
34 North Clinton Avenue	Upgradient	OU2MW-19D	11	1	138	-43	0.0008	Decreasing
		OU2MW-19I	12	0	115.5	-40	0.0061	Decreasing
		OU2MW-19I2	12	2	68	-48	0.0009	Decreasing
		OU2MW-20I	12	1	133	-24	0.0998	Decreasing
		OU2MW-20I2	12	11	0.1	-11	0.1111	No Trend
		OU2MW-20S	12	11	0.1	-9	0.1924	No Trend
		BBMW-24D	8	0	47	18	0.0260	Increasing
		BBMW-24I	8	2	2.5	1	0.9008	No Trend
		BBMW-24S	8	7	0.1	-7	0.1266	No Trend
		OU2MW-21I	9	1	195	-24	0.0123	Decreasing
		OU2MW-21I2	9	0	83	-12	0.2109	No Trend
		OU2MW-21S	7	5	0.1	-9	0.0871	Decreasing
		OU2MW-26D	8	0	418	20	0.0133	Increasing
		OU2MW-26I	9	1	24	-18	0.0606	Decreasing
		OU2MW-26I2	9	1	26	3	0.7532	No Trend
		OU2MW-45I	18	4	9	49	0.0618	Increasing
		OU2MW-45I2	18	17	0.1	11	0.2891	No Trend
		OU2MW-45S	18	4	9	-55	0.0358	Decreasing
		OU2MW-46I	18	11	0.1	-92	0.0001	Decreasing
		OU2MW-46I2	18	10	0.1	-63	0.0082	Decreasing
		OU2MW-46S	17	13	0.1	-50	0.0052	Decreasing
		OU2MW-47D	18	0	284	-115	0.0000	Decreasing
		OUSMW-47I	18	8	1	-94	0.0002	Decreasing
OU2MW-47I2	18	0	10.5	-50	0.0572	Decreasing		
OU2MW-47S	18	13	0.1	-39	0.0595	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)	
9 North Clinton Avenue	Downgradient	OU2MW-08D	20	19	0.1	5	0.6646	No Trend
		OU2MW-08I	20	0	196	-69	0.0251	Decreasing
		OU2MW-08I2	20	0	162	-54	0.0798	Decreasing
		OU2MW-08S	20	0	654.5	-52	0.0916	Decreasing
		OU2MW-28I	15	4	7	-39	0.0511	Decreasing
		OU2MW-28I2	15	4	40	66	0.0009	Increasing
		OU2MW-28S	15	13	0.1	-2	0.8170	No Trend
		OU2MW-29D	15	0	173	-70	0.0005	Decreasing
		OU2MW-29I	15	5	152	-87	0.0000	Decreasing
		OU2MW-29I2	15	0	99	1	0.9605	No Trend
		OU2MW-30D	15	0	117	-29	0.1513	No Trend
		OU2MW-30D2	15	0	263	-28	0.1653	No Trend
		OU2MW-30I	15	2	218	-63	0.0016	Decreasing
		OU2MW-30I2	15	0	132	-33	0.1025	No Trend
		OU2MW-30I3	15	0	20	-72	0.0004	Decreasing
		OU2MW-30S	15	12	0.1	-37	0.0082	Decreasing
		OU2MW-31I	15	5	50	-65	0.0010	Decreasing
		OU2MW-31I2	15	5	17	-12	0.5382	No Trend
		OU2MW-32D	15	7	1	-47	0.0136	Decreasing
		OU2MW-32I	15	0	2073	-3	0.8820	No Trend
		OU2MW-32I2	15	1	30	-30	0.1372	No Trend
		OU2MW-33D	6	5	0.1	-5	0.1432	No Trend
		OU2MW-33I	6	0	49.5	-3	0.5730	No Trend
		OU2MW-33I2	6	2	1.5	-6	0.2511	No Trend
		OU2MW-40I	9	3	42.5	-19	0.0155	Decreasing
		OU2MW-41I	9	0	585	-30	0.0018	Decreasing
OU2MW-41S	9	5	0.1	-8	0.3567	No Trend		
Montauk Highway	Downgradient	BBMW-25D	19	3	8	-3	0.9161	No Trend
		BBMW-25I	19	3	150	-28	0.3262	No Trend
		OU2MW-01I	20	1	81	-90	0.0035	Decreasing
		OU2MW-01I2	20	9	1	-77	0.0085	Decreasing
		OU2MW-01S	21	2	82	-97	0.0034	Decreasing
		OU2MW-02I	19	0	370	-74	0.0096	Decreasing
		OU2MW-02I2	19	11	0.1	5	0.8386	No Trend
		OU2MW-02S	19	3	46	-86	0.0026	Decreasing
		OU2MW-03I	19	11	0.1	60	0.0188	Increasing
		OU2MW-03I2	19	12	0.1	37	0.1323	No Trend
		OU2MW-03S	19	2	90	-74	0.0096	Decreasing
		OU2MW-04D	18	12	0.1	15	0.4676	No Trend
		OU2MW-04I	19	1	120	-58	0.0423	Decreasing
		OU2MW-04I2	19	12	0.1	15	0.5417	No Trend
		OU2MW-04S	19	0	730	-50	0.0801	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)	
Manatuck Lane Line	Upgradient	GM-05D	16	13	0.1	-9	0.5473	No Trend
		GM-05I	16	15	0.1	-7	0.4477	No Trend
		GM-05S	19	3	12	-21	0.4612	No Trend
		GMP-01	20	0	402	-18	0.5592	No Trend
		OU2MW-05	19	0	242	-45	0.1154	No Trend
		OU2MW-11D	14	7	1.55	52	0.0022	Increasing
		OU2MW-11I	14	0	169	-13	0.4767	No Trend
		OU2MW-11I2	14	1	42	-32	0.0794	Decreasing
Manatuck Lane Line	Downgradient	GMP-02	19	13	0.1	-69	0.0032	Decreasing
		GMP-04	19	9	15	-100	0.0002	Decreasing
		OU2MW-06	19	12	0.1	-31	0.2065	No Trend
		OU2MW-07	18	5	3	-25	0.3323	No Trend
		OU2MW-07S	12	11	0.1	-5	0.4689	No Trend
		OU2MW-10D	13	6	2	11	0.4780	No Trend
		OU2MW-10I	13	2	33	1	0.9513	No Trend
		OU2MW-12D	14	8	5.55	-38	0.0255	Decreasing
		OU2MW-12I	14	0	79.5	-36	0.0484	Decreasing
		OU2MW-12I2	14	3	7	-14	0.4376	No Trend
		OU2MW-13D	13	2	10	16	0.3248	No Trend
		OU2MW-13I	13	2	7	0	1.0000	No Trend

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

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

Notes:

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

Table 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-17I	10	3	2	-13	0.2360	No Trend
		OU2MW-17I2	10	9	0.1	-7	0.2230	No Trend
		OU2MW-17S	10	9	0.1	-7	0.2230	No Trend
		OU2MW-18I	9	0	4006	-6	0.5316	No Trend
		OU2MW-18I2	9	8	0.1	6	0.2453	No Trend
	Downgradient	OU2MW-22I	7	4	0.1	-13	0.0295	Decreasing
		OU2MW-23I	7	3	63	-14	0.0281	Decreasing
		OU2MW-24I	7	1	493	-19	0.0043	Decreasing
		OU2MW-24I2	7	5	0.1	-6	0.1336	No Trend
		OU2MW-24S	7	5	0.1	5	0.3418	Increasing
		OU2MW-25I	7	1	72	-19	0.0043	Decreasing
		OU2MW-35D	16	15	0.1	-15	0.1037	Decreasing
		OU2MW-35I	16	11	0.1	-61	0.0008	Decreasing
		OU2MW-35I2	16	15	0.1	-5	0.5876	No Trend
		OU2MW-35S	16	15	0.1	-15	0.1037	No Trend
		OU2MW-36D	16	15	0.1	-13	0.1585	Increasing
		OU2MW-36I	16	12	0.1	-54	0.0013	Decreasing
		OU2MW-36I2	16	15	0.1	3	0.7449	Increasing
		OU2MW-37I	16	4	22.5	-62	0.0049	Decreasing
		OU2MW-37I2	16	14	0.1	-15	0.2352	No Trend
OU2MW-37S	16	15	0.1	-11	0.2328	No Trend		
OU2MW-38I	7	2	61	-20	0.0024	Decreasing		
OU2MW-39I	16	13	0.1	-42	0.0051	Decreasing		
OU2MW-39I2	16	2	45	44	0.0471	Increasing		
34 North Clinton Avenue	Upgradient	OU2MW-19D	11	2	1862	-26	0.0423	No Trend
		OU2MW-19I	12	0	119	-50	0.0006	Decreasing
		OU2MW-19I2	12	0	4611	-44	0.0026	Decreasing
		OU2MW-20D	11	9	0.1	-10	0.2386	No Trend
		OU2MW-20I	12	5	1.5	-12	0.3914	No Trend
		OU2MW-20I2	12	11	0.1	-11	0.1111	No Trend
	Downgradient	BBMW-24D	8	0	113.5	12	0.1376	No Trend
		BBMW-24I	8	7	0.1	-1	0.8273	No Trend
		BBMW-24S	8	6	0.1	-5	0.4111	No Trend
		OU2MW-21I	9	1	86	-24	0.0123	Decreasing
		OU2MW-21I2	9	0	1244	-32	0.0008	Decreasing
		OU2MW-21S	7	2	9	-12	0.0683	Decreasing
		OU2MW-26D	8	0	2857	16	0.0478	Increasing
		OU2MW-26I	9	2	3	-12	0.2059	No Trend
		OU2MW-26I2	9	0	26	-22	0.0218	Decreasing
		OU2MW-26S	9	8	0.1	-6	0.2453	No Trend
		OU2MW-45D	18	16	0.1	1	0.9232	No Trend
		OU2MW-45I	18	2	5	42	0.1086	No Trend
		OU2MW-45I2	18	16	0.1	-33	0.0208	Decreasing
		OU2MW-45S	18	10	0.1	-9	0.6826	No Trend
OU2MW-46I	18	11	0.1	-95	0.0000	Decreasing		
OU2MW-46I2	18	13	0.1	-37	0.0738	Decreasing		
OU2MW-46S	17	15	0.1	-27	0.0448	Decreasing		
OU2MW-47D	18	2	4241.5	-124	0.0000	Decreasing		
OUSMW-47I	18	9	0.55	-55	0.0251	Decreasing		
OU2MW-47I2	18	2	8	-57	0.0301	Decreasing		
OU2MW-47S	18	17	0.1	-17	0.1013	No Trend *		

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)	
9 North Clinton Avenue	Downgradient	OU2MW-08D	20	17	0.1	-4	0.8332	No Trend
		OU2MW-08I	20	0	2983.5	-30	0.3304	No Trend
		OU2MW-08I2	20	1	1550	-14	0.6497	No Trend
		OU2MW-08S	20	0	6523	-80	0.0094	Decreasing
		OU2MW-08WT	13	10	0.1	-9	0.4527	No Trend
		OU2MW-28I	15	7	1	-36	0.0592	Decreasing
		OU2MW-28I2	15	4	79	40	0.0468	Increasing
		OU2MW-29D	15	0	2474	-19	0.3471	No Trend
		OU2MW-29I	15	2	206	-80	0.0001	Decreasing
		OU2MW-29I2	15	0	741	-73	0.0003	Decreasing
		OU2MW-30D	15	0	581	-65	0.0013	Decreasing
		OU2MW-30D2	15	0	1860	-17	0.4002	No Trend
		OU2MW-30I	15	0	26	-67	0.0009	Decreasing
		OU2MW-30I2	15	0	195	-91	0.0000	Decreasing
		OU2MW-30I3	15	0	59	-66	0.0011	Decreasing
		OU2MW-30S	15	12	0.1	-35	0.0123	Decreasing
		OU2MW-31I	15	4	4	-65	0.0008	Decreasing
		OU2MW-31I2	15	7	1	-35	0.0712	Decreasing
		OU2MW-32D	15	8	0.1	-52	0.0034	Decreasing
		OU2MW-32I	15	0	2814	-48	0.0174	Decreasing
		OU2MW-32I2	15	0	357	-37	0.0671	Decreasing
		OU2MW-32S	15	14	0.1	-10	0.2472	No Trend
		OU2MW-33I	6	0	64.5	-9	0.0909	Decreasing
		OU2MW-33I2	6	0	15	-3	0.5730	No Trend
OU2MW-40I	8	1	48	-24	0.0030	Decreasing		
OU2MW-41I	9	0	774	-24	0.0123	Decreasing		
OU2MW-41S	9	6	0.1	9	0.2593	No Trend		
Montauk Highway	Downgradient	BBMW-25D	19	10	0.1	-75	0.0043	Decreasing
		BBMW-25I	19	1	102	-23	0.4204	No Trend
		OU2MW-01I	20	4	99.5	-120	0.0001	Decreasing
		OU2MW-01I2	20	12	0.1	-54	0.0467	Decreasing
		OU2MW-01S	21	6	67	-91	0.0050	Decreasing
		OU2MW-02D	19	15	0.1	-11	0.5409	No Trend
		OU2MW-02I	19	0	2515	-67	0.0191	Decreasing
		OU2MW-02I2	19	12	0.1	-37	0.1470	No Trend
		OU2MW-02S	19	3	57	-96	0.0008	Decreasing
		OU2MW-03D	19	17	0.1	-3	0.8424	No Trend
		OU2MW-03I	19	11	0.1	36	0.1586	No Trend
		OU2MW-03I2	19	15	0.1	-38	0.1043	No Trend
		OU2MW-03S	19	1	118	-71	0.0130	Decreasing
		OU2MW-04I	19	7	98	-68	0.0155	Decreasing
		OU2MW-04I2	19	7	16	-48	0.0874	Decreasing
OU2MW-04S	19	0	3794	-71	0.0130	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)	
Manatuck Lane Line	Upgradient	GM-05D	16	15	0.1	-11	0.2328	No Trend
		GM-05I	16	15	0.1	-7	0.4477	No Trend
		GM-05S	19	7	5	36	0.1947	No Trend
		GMP-01	20	0	2020	-101	0.0004	Decreasing
		OU2MW-05	19	0	516	-105	0.0002	Decreasing
		OU2MW-11D	14	5	6	32	0.0671	Increasing
		OU2MW-11I	14	0	764	-23	0.2080	No Trend
		OU2MW-11I2	14	3	91.5	-17	0.3457	No Trend
		OU2MW-11S	14	12	0.1	-3	0.7851	No Trend
Manatuck Lane Line	Downgradient	GMP-02	19	16	0.1	-41	0.0227	Decreasing
		GMP-04	19	9	1	-91	0.0007	Decreasing
		OU2MW-06	19	15	0.1	-40	0.0479	Decreasing
		OU2MW-06S	13	11	0.1	-13	0.2017	No Trend
		OU2MW-07	18	15	0.1	-34	0.0454	Decreasing
		OU2MW-07S	12	11	0.1	-7	0.3106	No Trend
		OU2MW-10D	13	7	0.1	7	0.6402	No Trend
		OU2MW-10I	13	2	12	13	0.4268	No Trend
		OU2MW-10S	12	11	0.1	-3	0.6639	No Trend
		OU2MW-12D	14	6	18.5	-44	0.0118	Decreasing
		OU2MW-12I	14	0	142	-45	0.0138	Decreasing
		OU2MW-12I2	14	2	6	-28	0.1236	No Trend
		OU2MW-12S	14	13	0.1	-13	0.1069	No Trend
		OU2MW-13D	13	1	15	25	0.1251	No Trend
		OU2MW-13I	13	1	8	-5	0.7590	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			
		Sept	June	Aug	Mar	June	Dec	Mar	June	Sept	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			
		Sept	June	Aug	Mar	June	Dec	Mar	June	Sept	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 - 10.0	--	11,740	--	--	--	--	--	--	--	--
MW-32W/W-R	2.0 - 10.0	--	22,000	--	--	4,020	45,800	18,460	3,620	--	--
MW-34S	2.0 - 10.0	--	39,100	17,000	--	17,600	49,500	3,910	19,750	34,700	28,400
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			
		Sept	June	Aug	Mar	June	Dec	Mar	June	Sept	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	Sept	Nov/Dec	Mar	June	Sept	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	Sept	Nov/Dec	Mar	June	Sept	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 - 10.0	--	--	--	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	Sept	Nov/Dec	Mar	June	Sept	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	June/July	Aug/Sept	Nov/Dec	Feb-Apr	Jul/Aug	Sept/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	June/July	Aug/Sept	Nov/Dec	Feb-Apr	Jul/Aug	Sept/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 - 10.0	--	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	June/July	Aug/Sept	Nov/Dec	Feb-Apr	Jul/Aug	Sept/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	June	August	Nov/Dec	March	June	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	June	August	Nov/Dec	March	June	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 - 10.0	--	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	June	August	Nov/Dec	March	June	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-July	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	July-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-July	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	July-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 - 10.0	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-July	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	July-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					
BBMW-09S	5.0 - 15.0	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
BBMW-28I	10.0 - 20.0	0	0	0	10	0	0	0	0	10
BBMW-29	2.0 - 9.0	0	0	0	0	0	4,368	261	0	4,368
BBMW-30S	2.0 - 10.0	--	0	0	0	0	0	0	0	0
BBMW-30I	14.0 - 19.0	--	0	0	0	0	0	0	0	0
BBMW-30D	30.0 - 35.0	--	0	0	0	0	0	0	0	0
BBMW-31S	2.0 - 10.0	--	0	0	0	0	2	0	0	2
BBMW-31I	14.0 - 19.0	--	0	0	0	0	3	0	0	3
BBMW-31D	30.0 - 35.0	--	0	0	0	0	3	0	0	3
BBMW-32S	2.0 - 10.0	--	0	0	0	0	0	0	0	0
BBMW-32I	14.0 - 19.0	--	0	0	0	0	0	0	0	0
BBMW-32D	30.0 - 35.0	--	0	0	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	0	0	1	0	0	1
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	--	--	--	--	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	0	21,100	1,627	0	21,100
MW-01S	4.0 - 14.0	0	0	0	0	0	460	21	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	0	178	25	0	178
MW-04	5.1 - 15.1	0	0	0	0	0	69	4	0	69
MW-11W	2.0 - 10.0	27	0	0	0	0	6,910	1,003	0	6,910
MW-12W	2.0 - 10.0	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					
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 - 10.0	0	0	0	0	0	27,200	1,479	0	27,200
MW-32W/W-R	2.0 - 10.0	277	2	120	0	0	74,400	8,487	0	74,400
MW-34S	2.0 - 10.0	57	2	16	80	2	49,500	12,169	2	49,500
MW-34I	18.5 - 19.5	0	0	0	0	0	25,600	1,323	0	25,600
MW-34D	27.5 - 28.5	0	0	0	0	0	16,200	562	0	16,200
MW-45W	2.0 - 10.0	1,737	15	323	1,075	0	53,700	8,238	0	53,700
MW-46W/W-R	2.0 - 10.0	811	559	431	1,135	431	57,900	16,261	431	57,900
MW-64	19.0 - 24.0	0	0	0	0	0	85,000	2,205	0	85,000
MW-65	11.0 - 16.0	0	0	0	0	0	3,852	95	0	3,852
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	--	--	--	--	0	172	25	0	172
MW-70/70S	2.0 - 12.0	410	57	169	353	0	57,000	7,304	0	57,000
MW-73	2.0 - 12.0	45,100	7,400	8,970	12,000	557	89,000	24,899	557	89,000
MW-75	2.0 - 12.0	68,310	935	1,375	608	45	161,100	27,435	45	161,100
MW-76	2.0 - 12.0	0	0	0	2	0	4,560	252	0	4,560
MW-78	5.0 - 20.0	3,370	599	650	--	54	42,000	8,362	54	42,000
MW-79	5.0 - 20.0	893	6,780	1,020	4,290	32	116,000	24,605	32	116,000
MW-80	5.0 - 20.0	8,750	20,100	3,750	11,260	387	301,000	63,506	387	301,000
MW-81	5.0 - 20.0	607	25,120	6,120	7,730	152	65,800	21,014	152	65,800
MW-82	5.0 - 20.0	1,822	4,140	4,260	18,100	110	245,000	23,004	110	245,000
MW-83	5.0 - 20.0	66	0	0	4	0	6,761	745	0	6,761
MWBS-01S	5.0 - 15.0	--	--	--	--	0	151	51	0	151
MWBS-02S	5.0 - 15.0	268	103	939	56	0	5,510	247	0	5,510
MWBS-02I	14.5 - 15.5	30	14	4	107	0	9,998	369	0	9,998
MWBS-02D	24.5 - 25.5	0	0	1	0	0	17,530	728	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
OU3MW-02S	3.0 - 13.0	0	0	5	0	0	5	2	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					
OU3MW-02I	15.0 - 20.0	0	0	0	0	0	0	0	0	
OU3MW-03S	1.0 - 11.0	58	0	0	15	0	58	19	58	
OU3MW-03I	20.0 - 25.0	0	0	4	132	0	4	1	132	
OU3MW-04S	1.0 - 11.0	37	114	0	0	0	114	50	114	
OU3MW-04I	16.0 - 21.0	187	0	0	336	0	187	62	336	
OU3MW-04D	26.0 - 31.0	0	0	0	0	0	0	0	0	
OU3MW-05S	2.0 - 12.0	--	0	0	0	0	0	0	0	
OU3MW-05I	15.0 - 20.0	--	0	0	0	0	0	0	0	
OU3MW-06	3.0 - 13.0	0	0	0	0	0	0	0	0	
OU3MW-07S	3.0 - 13.0	--	--	3,461	39	3,461	3,461	3,461	3,461	
OU3MW-07I	15.0 - 20.0	--	--	0	0	0	0	0	0	
OU3MW-07I2	20.0 - 25.0	--	--	0	0	0	0	0	0	
PDMW-01	5.0 - 20.0	--	0	0	0	0	70,920	5,172	70,920	
PDMW-02	5.0 - 20.0	--	--	--	--	19,500	117,600	73,549	19,500	
PDMW-03	5.0 - 15.0	--	--	--	--	14,511	45,561	28,875	14,511	
SV-02	2.0 - 12.0	34,300	4	0	212	0	92,300	9,823	92,300	
SV-03	2.0 - 12.0	5	8	0	0	0	33,200	3,674	33,200	

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	
Sept	June	Aug	Mar	June	Dec	Mar	June	Sept	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	
	Sept	June	Aug	Mar	June	Dec	Mar	June	Sept	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
		Sept	June	Aug	Mar	June	Dec	Mar	June	Sept	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	Sept	Nov/Dec	Mar	June	Sept	Dec	Jan/Feb	Mar	Apr/May	June/July
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	Sept	Nov/Dec	Mar	June	Sept	Dec	Jan/Feb	Mar	Apr/May	June/July
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	--	--	--	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	--	14	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	Sept	Nov/Dec	Mar	June	Sept	Dec	Jan/Feb	Mar	Apr/May	June/July
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/Sept	Nov/Dec	Feb-Apr	Jul/Aug	Sept/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	June
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/Sept	Nov/Dec	Feb-Apr	Jul/Aug	Sept/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	June
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/Sept	Nov/Dec	Feb-Apr	Jul/Aug	Sept/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	June
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
August	Nov/Dec	March	June	Jul/Aug	Nov/Dec	March	May-July	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
		August	Nov/Dec	March	June	Jul/Aug	Nov/Dec	March	May-July	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
		August	Nov/Dec	March	June	Jul/Aug	Nov/Dec	March	May-July	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	July-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Aug-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	--
BBMW-09D	62.0 - 72.0	--	--	--	0	--	--	--	0	--
BBMW-28S	2.0 - 12.0	0	3	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	5	0	0	0	0	0	0	0
BBMW-30S	2.0 - 10.0	--	--	--	0	--	--	0	0	0
BBMW-30I	14.0 - 19.0	--	--	--	0	--	--	3	0	0
BBMW-30D	30.0 - 35.0	--	--	--	0	--	--	0	0	0
BBMW-31S	2.0 - 10.0	--	--	--	0	--	--	0	0	0
BBMW-31I	14.0 - 19.0	--	--	--	0	--	--	0	2	0
BBMW-31D	30.0 - 35.0	--	--	--	0	--	--	0	0	0
BBMW-32S	2.0 - 10.0	--	--	--	0	--	--	3	0	0
BBMW-32I	14.0 - 19.0	--	--	--	0	--	--	0	0	0
BBMW-32D	30.0 - 35.0	--	--	--	0	--	--	0	0	0
BBMW-33	7.0 - 12.0	0	0	0	0	0	0	0	0	0
BW-UST-10	5.0 - 10.0	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
BW-UST-28	5.0 - 10.0	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
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
MW-01S	4.0 - 14.0	0	0	0	1	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
MW-04	5.1 - 15.1	0	0	0	0	0	0	0	0	0
MW-11W	2.0 - 10.0	0	0	0	0	0	0	1	0	0
MW-12W	2.0 - 10.0	0	3	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	July-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Aug-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 - 10.0	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	
MW-34S	2.0 - 10.0	186	51	42	83	105	17	0	15	14	
MW-34I	18.5 - 19.5	0	0	0	0	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	0	0	0	10	153	60	0	2	0	
MW-46W/W-R	2.0 - 10.0	24	0	39	39	60	31	10	19	3	
MW-64	19.0 - 24.0	0	0	0	0	9	3	0	0	0	
MW-65	11.0 - 16.0	0	0	0	0	0	0	0	0	0	
MW-66S	1.5 - 11.5	0	0	0	0	0	0	0	0	0	
MW-66D	24.0 - 29.0	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	
MW-73	2.0 - 12.0	105	1	0	97	1,308	1,295	480	588	1,169	
MW-75	2.0 - 12.0	0	1,024	0	1	101	1,667	30	38	0	
MW-76	2.0 - 12.0	0	0	0	0	0	0	0	0	0	
MW-78	5.0 - 20.0	0	0	0	0	191	0	0	0	--	
MW-79	5.0 - 20.0	1	6	0	13	0	0	3	0	0	
MW-80	5.0 - 20.0	509	790	701	522	568	79	467	11	321	
MW-81	5.0 - 20.0	0	50	4	19	0	0	1,306	59	697	
MW-82	5.0 - 20.0	1	0	448	0	0	2	72	0	48	
MW-83	5.0 - 20.0	0	1	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	
MWBS-02I	14.5 - 15.5	0	0	0	0	0	0	0	0	0	
MWBS-02D	24.5 - 25.5	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	
OU3MW-02S	3.0 - 13.0	--	--	--	--	--	0	0	0	0	
OU3MW-02I	15.0 - 20.0	--	--	--	--	--	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	July-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Aug-Sep	Oct-Dec	Jan-Mar	Apr-Jun	
OU3MW-03S	1.0 - 11.0	--	--	--	--	--	2	0	0	0	
OU3MW-03I	20.0 - 25.0	--	--	--	--	--	0	0	0	6	
OU3MW-04S	1.0 - 11.0	--	--	--	--	--	19	21	0	0	
OU3MW-04I	16.0 - 21.0	--	--	--	--	--	9	0	0	30	
OU3MW-04D	26.0 - 31.0	--	--	--	--	--	0	0	0	0	
OU3MW-05S	2.0 - 12.0	--	--	--	--	--	--	0	0	0	
OU3MW-05I	15.0 - 20.0	--	--	--	--	--	--	0	0	0	
OU3MW-06	3.0 - 13.0	--	--	--	--	--	0	0	0	0	
OU3MW-07S	3.0 - 13.0	--	--	--	--	--	--	--	527	36	
OU3MW-07I	15.0 - 20.0	--	--	--	--	--	--	--	0	0	
OU3MW-07I2	20.0 - 25.0	--	--	--	--	--	--	--	0	0	
PDMW-01	5.0 - 20.0	0	2	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	
SV-03	2.0 - 12.0	0	0	0	0	0	1	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	28	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	4
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	116	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	32	0	103
MW-04	5.1 - 15.1	0	99	11	0	99
MW-11W	2.0 - 10.0	0	861	108	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	87	0	1,300
MW-32W/W-R	2.0 - 10.0	0	1,435	195	0	1,435
MW-34S	2.0 - 10.0	0	1,604	275	0	1,604
MW-34I	18.5 - 19.5	0	496	47	0	496
MW-34D	27.5 - 28.5	0	96	4	0	96
MW-45W	2.0 - 10.0	0	1,676	188	0	1,676
MW-46W/W-R	2.0 - 10.0	0	4,156	491	0	4,156
MW-64	19.0 - 24.0	0	1,600	49	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	94	0	1,720
MW-73	2.0 - 12.0	0	1,800	794	0	1,800
MW-75	2.0 - 12.0	0	2,890	499	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	643	0	6,015
MW-80	5.0 - 20.0	11	2,500	1,041	11	2,500
MW-81	5.0 - 20.0	0	2,700	817	0	2,700
MW-82	5.0 - 20.0	0	3,090	517	0	3,090
MW-83	5.0 - 20.0	0	230	43	0	230
MWBS-01S	5.0 - 15.0	0	64	22	0	64
MWBS-02S	5.0 - 15.0	0	274	54	0	274
MWBS-02I	14.5 - 15.5	0	696	79	0	696
MWBS-02D	24.5 - 25.5	0	254	23	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	0	0	0	6
OU3MW-04S	1.0 - 11.0	0	21	13	0	21
OU3MW-04I	16.0 - 21.0	0	9	3	0	30
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	0
OU3MW-07S	3.0 - 13.0	527	527	527	36	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	681	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	89	0	669
SV-03	2.0 - 12.0	0	548	108	0	548

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
Sample Name:	NYS	BMW-28I	BMW-30S	BMW-30I	BMW-30D	BMW-31S	BMW-31I	BMW-31D	BMW-32S	BMW-32I	BMW-32D
Screened Interval:	AWQS	10-20 ft	2-10 ft	14-19 ft	30-35 ft	2-10 ft	14-19 ft	30-35 ft	2-10 ft	14-19 ft	30-35 ft
Sample Date:		4/29/2010	5/19/2010	5/19/2010	5/19/2010	5/20/2010	5/19/2010	5/19/2010	5/20/2010	5/20/2010	5/20/2010
BTEX (ug/l)											
Benzene	1	3 J	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	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene, total	5	7 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total BTEX	NE	10	ND	ND	ND	ND	ND	ND	ND	ND	ND
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	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
Acenaphthylene	NE	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
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	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
Naphthalene	10*	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
Pyrene	50*	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	ND	ND	ND	ND	ND	ND	ND	ND
Carcinogenic PAHs (ug/l)											
Benzo[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene	0	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 UJ	10 U	10 U	10 UJ	10 UJ	10 UJ
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	ND	ND	ND	ND	ND	ND
Other (cfu/ml)											
Standard Plate Count	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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	OU3
Sample Name:		BBMW-33	IO-10	IO-10	MW-03	MW-04	MW-45W	MW-46WR	MW-65	MW-73	MW-76
Screened Interval:		7-12 ft	6-16 ft	6-16 ft	4.94-14.94 ft	4.1-15.1 ft	2-10 ft	2-10 ft	11-16 ft	2-12 ft	2-12 ft
Sample Date:		5/7/2010	5/7/2010	5/20/2010	5/18/2010	5/24/2010	5/6/2010	5/6/2010	5/11/2010	5/3/2010	5/24/2010
BTEX (ug/l)											
Benzene	1	10 U	10 U	10 U	10 U	10 U	420	5 J	10 U	2400	10 U
Toluene	5	10 U	10 U	10 U	1 J	10 U	35	120	10 U	1600	10 U
Ethylbenzene	5	10 U	10 U	10 U	12	10 U	370	310	10 U	2800	2 J
Xylene, total	5	10 U	10 U	10 U	1 J	10 U	250	700	10 U	5200	10 U
Total BTEX	NE	ND	ND	ND	14	ND	1075	1135	ND	12000	2
Other VOCs (ug/l)											
Methyl tert-butyl ether	10*	10 U	10 U	10 U	10 U	1 J	10 U	10 U	10 U	10 U	10 U
Non-carcinogenic PAHs (ug/l)											
Acenaphthene	20*	10 U	10 U	10 U	6	10 U	10 U	10 U	10 U	2 J	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 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
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	6	10 U	10 U	10 U	10 U	10 U	10 U
Methylnaphthalene, 2-	NE	10 U	10 U	10 U	17	10 U	10 U	10 U	10 U	65 J	10 U
Naphthalene	10*	10 U	10 U	10 U	24	10 U	10 U	3 J	10 U	1100	10 U
Phenanthrene	50*	10 U	10 U	10 U	9	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
Total Non-carcinogenic PAHs	NE	ND	ND	ND	62	ND	ND	3	ND	1169	ND
Carcinogenic PAHs (ug/l)											
Benzo[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene	0	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 UJ	10 U	10 UJ	10 U	10 U	10 UJ
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 UJ	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	62	ND	ND	3	ND	1169	ND
Other (cfu/ml)											
Standard Plate Count	NE	ND	ND	ND	ND	ND	ND	2000	ND	ND	ND

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
Sample Name:	NYS	MW-79	MW-83	MWBS-02I	MWBS-02D	SV-03
Screened Interval:	AWQS	5-20 ft	5-20 ft	14.5-15.5 ft	24.5-25.5 ft	2-12 ft
Sample Date:		5/3/2010	5/11/2010	5/20/2010	5/20/2010	5/24/2010
BTEX (ug/l)						
Benzene	1	1000	10 U	3 J	10 U	10 U
Toluene	5	1500	10 U	10 U	10 U	10 U
Ethylbenzene	5	830	10 U	37	10 U	10 U
Xylene, total	5	960	4 J	67	10 U	10 U
Total BTEX	NE	4290	4	107	ND	ND
Other VOCs (ug/l)						
Methyl tert-butyl ether	10*	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
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	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
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U
Methylnaphthalene, 2-	NE	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U
Total Non-carcinogenic PAHs	NE	ND	ND	ND	ND	ND
Carcinogenic PAHs (ug/l)						
Benzo[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene	0	10 U	10 U	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 UJ
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 UJ	10 U	10 U
Chrysene	0.002*	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
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND
Total PAHs (ug/l)						
Total PAHs	NE	ND	ND	ND	ND	ND
Other (cfu/ml)						
Standard Plate Count	NE	ND	ND	ND	ND	ND

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	BW-UST-10	BW-UST-11	DUP-10 Q2	BW-UST-28	DUP-11 Q2	BW-UST-29	MW-01S	MW-11W	DUP-08 Q2
Screened Interval:	AWQS	5-15 ft	2-12 ft	2-9 ft	4.65-9.95 ft	4.4-9.4 ft	4.4-9.4 ft	5-10 ft	5-10 ft	5-10 ft	4-14 ft	2-10 ft	2-10 ft
Sample Date:		5/18/2010	4/29/2010	5/11/2010	5/21/2010	5/21/2010	5/21/2010	5/24/2010	5/24/2010	5/21/2010	5/20/2010	6/7/2010	5/4/2010
Parent Sample:							BW-UST-11		BW-UST-28				MW-12W
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
Xylene, total	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total BTEX	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs (ug/L)													
Acetaldehyde	8*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	50*	10 U	10 U	10 U	2 J	41	42	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 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
Bromoform	50*	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Bromomethane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Butadiene, 1,3-	NE	10 UJ	10 U	10 UJ	10 UJ	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	4 J	5	10 U	10 U	10 U	10 U	10 UJ	10 U
Carbon disulfide	60*	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	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
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 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
Cryofluorane	NE	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Cyclohexane	NE	10 U	10 U	10 UJ	10 U	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
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 UJ	10 UJ	10 U	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
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 UJ	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 UJ	10 U
Dichloroethene, cis-1,2-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U
Dichloropropane, 1,2-	1	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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	R	R	R	R	R	R	R	R	R	R	R	R
Ethanol	NE	R	R	R	R	R	R	R	R	R	R	R	R
Heptane, n-	NE	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U
Hexachlorobutadiene	0.5	10 UJ	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 UJ	10 UJ	10 U	10 U
Hexane, n-	NE	10 U	10 U	10 UJ	10 U	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 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	BW-UST-10	BW-UST-11	DUP-10 Q2	BW-UST-28	DUP-11 Q2	BW-UST-29	MW-01S	MW-11W	DUP-08 Q2
Screened Interval:	AWQS	5-15 ft	2-12 ft	2-9 ft	4.65-9.95 ft	4.4-9.4 ft	4.4-9.4 ft	5-10 ft	5-10 ft	5-10 ft	4-14 ft	2-10 ft	2-10 ft
Sample Date:		5/18/2010	4/29/2010	5/11/2010	5/21/2010	5/21/2010	5/21/2010	5/24/2010	5/24/2010	5/21/2010	5/20/2010	6/7/2010	5/4/2010
Parent Sample:							BW-UST-11		BW-UST-28				MW-12W
Isopropyl benzene	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
Methyl tert-butyl ether	10*	10 U	10 U	10 UJ	10 U	10 U	10 U	3 J	3 J	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
Methylene chloride	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	3 J	10 U	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	R	R	R	500 UJ
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 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
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 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	5	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 UJ	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 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene 1,3,5-/P-ethyltoluene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene, 1,2,4-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylpentane, 2,2,4-	NE	10 U	10 U	10 UJ	10 U	2 J	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U
Vinyl acetate	NE	10 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	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
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	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
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
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	3 J	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
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
Total Non-carcinogenic PAHs	NE	ND	ND	ND	ND	ND	3	ND	ND	ND	ND	ND	ND
Carcinogenic PAHs (ug/L)													
Benzo[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene	0	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 UJ	10 UJ	10 U	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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	ND	ND	ND	ND	ND

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:	NYS	OU3	OU3	OU3	OU3	OU3	OU3	OU3	OU3	OU3	OU3	OU3	OU3
Sample Name:	AWQS	BBMW-09S	BBMW-28S	BBMW-29	BW-UST-10	BW-UST-11	DUP-10 Q2	BW-UST-28	DUP-11 Q2	BW-UST-29	MW-01S	MW-11W	DUP-08 Q2
Screened Interval:		5-15 ft	2-12 ft	2-9 ft	4.65-9.95 ft	4.4-9.4 ft	4.4-9.4 ft	5-10 ft	5-10 ft	5-10 ft	4-14 ft	2-10 ft	2-10 ft
Sample Date:		5/18/2010	4/29/2010	5/11/2010	5/21/2010	5/21/2010	5/21/2010	5/24/2010	5/24/2010	5/21/2010	5/20/2010	6/7/2010	5/4/2010
Parent Sample:							BW-UST-11		BW-UST-28				MW-12W
Total PAHs (ug/L)													
Total PAHs	NE	ND	ND	ND	ND	ND	3	ND	ND	ND	ND	ND	ND
Total Metals (ug/L)													
Aluminum	NE	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
Arsenic	25	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
Beryllium	3*	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
Calcium	NE	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
Cobalt	NE	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
Iron	300	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
Magnesium	35000*	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
Mercury	0.7	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
Potassium	NE	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
Silver	50	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
Thallium	0.5*	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
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (ug/L)													
Nitrogen, Ammonia	2000	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
Nitrogen, Nitrite	1000	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
Nitrogen, Total Kjeldahl	NE	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
Other (ug/L)													
Sulfate	250000	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
Total Phosphorous	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	MW-12W	MW-29S	MW-29D	MW-30WR	MW-32WR	MW-34S	MW-34I	MW-34D	MW-64	MW-66S	MW-66D	MW-70/70S	MW-75	
Screened Interval:	AWQS	2-10 ft	5-10 ft	14-19 ft	2-9 ft	2-9 ft	2-10 ft	18.5-19.5 ft	27.5-28.5 ft	19-24 ft	1.5-11.5 ft	24-29 ft	2-12 ft	2-12 ft	
Sample Date:		5/4/2010	5/20/2010	5/20/2010	5/3/2010	5/4/2010	5/4/2010	4/27/2010	4/27/2010	5/12/2010	5/12/2010	5/12/2010	5/6/2010	5/20/2010	
Parent Sample:															
BTEX (ug/L)															
Benzene	1	10 U	10 U	10 U	10 U	10 U	7	10 U	10 U	10 U	10 U	10 U	9	4 J	
Toluene	5	10 U	10 U	10 U	10 U	10 U	3 J	10 U	10 U	10 U	10 U	10 U	18	54	
Ethylbenzene	5	10 U	10 U	10 U	10 U	10 U	49	10 U	10 U	10 U	10 U	10 U	180	170	
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	51	NA	
Xylene, o-	5	10 U	10 U	10 U	10 U	10 U	21	10 U	10 U	10 U	10 U	10 U	95	NA	
Xylene, total	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	380	
Total BTEX	NE	ND	ND	ND	ND	ND	80	ND	ND	ND	ND	ND	353	608	
Other VOCs (ug/L)															
Acetaldehyde	8*	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	NA	
Acetone	50*	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	NA	
Allyl chloride	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	NA	
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	NA	
Bromoform	50*	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 U	NA	
Bromomethane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ	NA	
Butadiene, 1,3-	NE	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	NA	
Butanone, 2-	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 U	NA	
Carbon disulfide	60*	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	NA	
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	NA	
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	NA	
Chloroethane	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	NA	
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	NA	
Chloromethane	5	10 UJ	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	NA	
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 UJ	NA	
Cryofluorane	NE	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	NA	
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 U	NA	
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	NA	
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	NA	
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	NA	
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 UJ	NA	
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	NA	
Dichlorodifluoromethane	5	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U	NA	
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	NA	
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	NA	
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	NA	
Dichloroethene, cis-1,2-	5	10 U	10 U	10 U	10 U	10 U	10 U	4 J	10 U	10 U	10 U	10 U	10 U	NA	
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	NA	
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	NA	
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	NA	
Dioxane, 1,4-	NE	R	R	R	R	R	R	R	R	R	R	R	R	NA	
Ethanol	NE	R	R	R	R	R	R	R	R	R	R	R	R	NA	
Heptane, n-	NE	10 U	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 U	NA	
Hexachlorobutadiene	0.5	10 U	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 U	NA	
Hexane, n-	NE	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 U	NA	
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 UJ	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-12W	MW-29S	MW-29D	MW-30WR	MW-32WR	MW-34S	MW-34I	MW-34D	MW-64	MW-66S	MW-66D	MW-70/70S	MW-75
Screened Interval:	AWQS	2-10 ft	5-10 ft	14-19 ft	2-9 ft	2-9 ft	2-10 ft	18.5-19.5 ft	27.5-28.5 ft	19-24 ft	1.5-11.5 ft	24-29 ft	2-12 ft	2-12 ft
Sample Date:		5/4/2010	5/20/2010	5/20/2010	5/3/2010	5/4/2010	5/4/2010	4/27/2010	4/27/2010	5/12/2010	5/12/2010	5/12/2010	5/6/2010	5/20/2010
Parent Sample:														
Isopropyl benzene	5	10 U	10 U	10 U	10 U	10 U	5	10 U	10 U	10 U	10 U	10 U	4 J	NA
Methyl tert-butyl ether	10*	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
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	NA
Methylene chloride	5	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	NA
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	38	10 U	10 U	10 U	10 UJ	10 UJ	30	NA
Propanol, 2-	NE	R	R	R	R	R	R	500 U	500 U	R	500 UJ	500 UJ	500 UJ	NA
Propylbenzene, n-	5	10 U	10 U	10 U	10 U	10 U	2 J	10 U	10 U	10 U	10 U	10 U	10 UJ	NA
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	NA
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	NA
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 UJ	NA
Tetrachloroethene	5	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	NA
Tetrahydrofuran	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 U	NA
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	NA
Trichloro-1,2,2-trifluoroethane, 1,1,2-	5	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 U	NA
Trichlorobenzene, 1,2,4-	5	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 U	10 U	NA
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	NA
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	NA
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	NA
Trichlorofluoromethane	5	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	NA
Trimethylbenzene 1,3,5-/P-ethyltoluene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	7 J	NA
Trimethylbenzene, 1,2,4-	5	10 U	10 U	10 U	10 UJ	1 J	8 J	10 U	10 U	10 U	10 U	10 UJ	10 J	NA
Trimethylpentane, 2,2,4-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	NA
Vinyl acetate	NE	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	NA
Vinyl chloride	2	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 U	NA
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	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	14	10 U	10 U	10 U	10 U	10 U	2 J	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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 Non-carcinogenic PAHs	NE	ND	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	2	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	0	10 U	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 UJ	10 U	10 U	10 UJ	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 UJ	10 UJ	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

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-12W	MW-29S	MW-29D	MW-30WR	MW-32WR	MW-34S	MW-34I	MW-34D	MW-64	MW-66S	MW-66D	MW-70/70S	MW-75
Screened Interval:	AWQS	2-10 ft	5-10 ft	14-19 ft	2-9 ft	2-9 ft	2-10 ft	18.5-19.5 ft	27.5-28.5 ft	19-24 ft	1.5-11.5 ft	24-29 ft	2-12 ft	2-12 ft
Sample Date:		5/4/2010	5/20/2010	5/20/2010	5/3/2010	5/4/2010	5/4/2010	4/27/2010	4/27/2010	5/12/2010	5/12/2010	5/12/2010	5/6/2010	5/20/2010
Parent Sample:														
Total PAHs (ug/L)														
Total PAHs	NE	ND	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	2	ND
Total Metals (ug/L)														
Aluminum	NE	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
Arsenic	25	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
Beryllium	3*	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
Calcium	NE	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
Cobalt	NE	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
Iron	300	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
Magnesium	35000*	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
Mercury	0.7	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
Potassium	NE	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
Silver	50	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
Thallium	0.5*	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
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (ug/L)														
Nitrogen, Ammonia	2000	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
Nitrogen, Nitrite	1000	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
Nitrogen, Total Kjeldahl	NE	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	400	NA	NA	NA	NA	NA	340	ND
Other (ug/L)														
Sulfate	250000	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
Total Phosphorous	NE	NA	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	DUP-09 Q2	MW-80	MW-81	MW-82	MWBS-02S	OU3MW-01S	OU3MW-02S	OU3MW-02I	OU3MW-03S	OU3MW-03I	OU3MW-04S	OU3MW-04I	OU3MW-04D
Screened Interval:	AWQS	2-12 ft	5-20 ft	5-20 ft	5-20 ft	5-15 ft	3-13 ft	3-13 ft	15-20 ft	1-11 ft	20-25 ft	1-11 ft	16-21 ft	26-31 ft
Sample Date:		5/20/2010	5/12/2010	5/12/2010	5/21/2010	5/5/2010	5/21/2010	5/20/2010	5/21/2010	4/21/2010	4/21/2010	4/28/2010	4/28/2010	4/28/2010
Parent Sample:		MW-75												
BTEX (ug/L)														
Benzene	1	3 J	1000	230	1000	2 J	10 U	10 U	10 U	9	10 U	10 U	9	10 U
Toluene	5	41	5400	1800	5000	10 U	10 U	10 U	10 U	10 U	7	10 U	23	10 U
Ethylbenzene	5	150	2200	2200	4000	20	10 U	10 U	10 U	2 J	2 J	10 U	81	10 U
Xylene, m,p-	5	230	1800	2500	5400	19	10 U	10 U	10 U	10 U	50	10 U	93	10 U
Xylene, o-	5	110	860	1000	2700	15	10 U	10 U	10 U	4 J	73	10 U	130	10 U
Xylene, total	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total BTEX	NE	534	11260	7730	18100	56	ND	ND	ND	15	132	ND	336	ND
Other VOCs (ug/L)														
Acetaldehyde	8*	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Acetone	50*	10 U	4 J	5	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ
Allyl chloride	5	10 U	10 UJ	10 UJ	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
Bromoform	50*	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
Bromomethane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 U	10 U	10 U
Butadiene, 1,3-	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U
Butanone, 2-	50*	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
Carbon disulfide	60*	10 UJ	10 UJ	10 UJ	10 UJ	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
Chlorobenzene	5	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
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 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
Cryofluorane	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U
Cyclohexane	NE	10 U	2 J	8 J	23 J	1 J	10 U	10 U	10 U	10 UJ	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
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	1 J	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	3 J	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 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Dichloroethane, 1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
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	4 J
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	R	R	R	R	R	R	R	R	R
Ethanol	NE	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 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Hexachlorobutadiene	0.5	10 UJ	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 UJ	10 UJ	10 UJ
Hexane, n-	NE	10 U	10 UJ	10 UJ	6 J	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	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

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	DUP-09 Q2	MW-80	MW-81	MW-82	MWBS-02S	OU3MW-01S	OU3MW-02S	OU3MW-02I	OU3MW-03S	OU3MW-03I	OU3MW-04S	OU3MW-04I	OU3MW-04D	
Screened Interval:	AWQS	2-12 ft	5-20 ft	5-20 ft	5-20 ft	5-15 ft	3-13 ft	3-13 ft	15-20 ft	1-11 ft	20-25 ft	1-11 ft	16-21 ft	26-31 ft	
Sample Date:		5/20/2010	5/12/2010	5/12/2010	5/21/2010	5/5/2010	5/21/2010	5/20/2010	5/21/2010	4/21/2010	4/21/2010	4/28/2010	4/28/2010	4/28/2010	
Parent Sample:		MW-75													
Isopropyl benzene	5	10 U	38	51	150	1 J	10 U	10 U	10 U	4 J	1 J	10 U	11	10 U	
Methyl tert-butyl ether	10*	10 U	10 UJ	2 J	10 U	10 U	89	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 UJ	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	
Naphthalene	10*	41	350 J	680	1400	91	10 U	10 U	10 U	1 J	14	2 J	80	2 J	
Propanol, 2-	NE	R	R	R	R	R	R	R	R	R	R	R	R	R	
Propylbenzene, n-	5	10 U	15	30	63	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J	10 U	
Styrene	5	10 U	37	33	10 U	1 J	10 U	10 U	10 U	10 U	10 U	10 U	17	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 UJ	
Tetrachloroethene	5	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	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 UJ	10 UJ	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	
Trichlorobenzene, 1,2,4-	5	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	
Trichloroethane, 1,1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
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 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	
Trimethylbenzene 1,3,5-/P-ethyltoluene	NE	27	200	390	920 J	8	10 U	10 U	10 U	10 U	11	10 U	20	10 U	
Trimethylbenzene, 1,2,4-	5	27	200	380	800	3 J	10 U	10 U	10 U	10 U	7	10 UJ	41 J	10 UJ	
Trimethylpentane, 2,2,4-	NE	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 U	10 U	10 U	
Vinyl acetate	NE	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	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*	10 U	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	4 J	4 J	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	21	73	29	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Naphthalene	10*	10 U	300	620	15	45	10 U	10 U	10 U	10 U	6	10 U	30	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 Non-carcinogenic PAHs	NE	ND	321	697	48	45	ND	ND	ND	ND	6	ND	30	ND	
Carcinogenic PAHs (ug/L)															
Benzo[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo[a]pyrene	0	10 U	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 UJ	10 UJ	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 UJ	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	

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	DUP-09 Q2	MW-80	MW-81	MW-82	MWBS-02S	OU3MW-01S	OU3MW-02S	OU3MW-02I	OU3MW-03S	OU3MW-03I	OU3MW-04S	OU3MW-04I	OU3MW-04D
Screened Interval:	AWQS	2-12 ft	5-20 ft	5-20 ft	5-20 ft	5-15 ft	3-13 ft	3-13 ft	15-20 ft	1-11 ft	20-25 ft	1-11 ft	16-21 ft	26-31 ft
Sample Date:		5/20/2010	5/12/2010	5/12/2010	5/21/2010	5/5/2010	5/21/2010	5/20/2010	5/21/2010	4/21/2010	4/21/2010	4/28/2010	4/28/2010	4/28/2010
Parent Sample:		MW-75												
Total PAHs (ug/L)														
Total PAHs	NE	ND	321	697	48	45	ND	ND	ND	ND	6	ND	30	ND
Total Metals (ug/L)														
Aluminum	NE	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
Arsenic	25	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
Beryllium	3*	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
Calcium	NE	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
Cobalt	NE	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
Iron	300	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
Magnesium	35000*	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
Mercury	0.7	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
Potassium	NE	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
Silver	50	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
Thallium	0.5*	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
Zinc	2000*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (ug/L)														
Nitrogen, Ammonia	2000	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
Nitrogen, Nitrite	1000	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
Nitrogen, Total Kjeldahl	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other (cfu/mL)														
Standard Plate Count	NE	NA	NA	NA	NA	32	NA	NA	NA	NA	NA	NA	NA	NA
Other (ug/L)														
Sulfate	250000	NA	NA	NA	NA	27400	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	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

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	OU3MW-05S	DUP-12 Q2	OU3MW-05I	DUP-13 Q2	OU3MW-06	OU3MW-07S	OU3MW-07S	OU3MW-07S	OU3MW-07S	OU3MW-07I	DUP-O2	OU3MW-07I	OU3MW-07I	DUP-O2
Screened Interval:	AWQS	2-12 ft	2-12 ft	15-20 ft	15-20 ft	3-13 ft	3-13 ft	3-13 ft	3-13 ft	3-13 ft	15-20 ft	15-20 ft	15-20 ft	15-20 ft	15-20 ft
Sample Date:		6/2/2010	6/2/2010	6/2/2010	6/2/2010	5/6/2010	4/22/2010	5/19/2010	6/17/2010	4/22/2010	4/22/2010	5/19/2010	6/17/2010	6/17/2010	
Parent Sample:			OU3MW-05S		OU3MW-05I						OU3MW-07I			OU3MW-07I	
BTEX (ug/L)															
Benzene	1	10 U	10 U	10 U	10 U	10 U	6	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	2 J	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	360	110	27	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	51	13	4 J	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	150	35	8 J	10 U	10 U	10 U	10 U	10 U	10 U
Xylene, total	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total BTEX	NE	ND	ND	ND	ND	ND	577	160	39	ND	ND	ND	ND	ND	ND
Other VOCs (ug/L)															
Acetaldehyde	8*	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 UJ
Acetone	50*	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 UJ	10 UJ
Allyl chloride	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	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 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Bromomethane	5	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U
Butadiene, 1,3-	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U
Butanone, 2-	50*	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 UJ	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 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	7	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloromethane	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	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 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ
Cyclohexane	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
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 U	10 UJ	10 UJ	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	R	R	R	R	R	R	R	R	R	R	R	R	R
Ethanol	NE	R	R	R	R	R	R	R	R	R	R	R	R	R	R
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 UJ	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U
Hexane, n-	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
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

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	OU3MW-05S	DUP-12 Q2	OU3MW-05I	DUP-13 Q2	OU3MW-06	OU3MW-07S	OU3MW-07S	OU3MW-07S	OU3MW-07I	DUP-O2	OU3MW-07I	OU3MW-07I	DUP-O2	
Screened Interval:	AWQS	2-12 ft	2-12 ft	15-20 ft	15-20 ft	3-13 ft	3-13 ft	3-13 ft	3-13 ft	15-20 ft	15-20 ft	15-20 ft	15-20 ft	15-20 ft	
Sample Date:		6/2/2010	6/2/2010	6/2/2010	6/2/2010	5/6/2010	4/22/2010	5/19/2010	6/17/2010	4/22/2010	4/22/2010	5/19/2010	6/17/2010	6/17/2010	
Parent Sample:			OU3MW-05S		OU3MW-05I						OU3MW-07I			OU3MW-07I	
Isopropyl benzene	5	10 U	10 U	10 U	10 U	10 U	35	9	3 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	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 UJ	370	130	59	10 U	10 U	10 U	10 U	10 U	
Propanol, 2-	NE	R	R	R	R	500 UJ	R	R	R	R	R	R	R	R	
Propylbenzene, n-	5	10 U	10 U	10 U	10 U	10 U	17	4 J	2 J	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 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	
Tetrahydrofuran	50*	10 U	10 U	10 U	10 U	10 UJ	10 U	1 J	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	
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 UJ	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	
Trichlorobenzene, 1,2,4-	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	
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 UJ	10 U	10 U	10 UJ	10 UJ	10 U	10 U	10 U	
Trimethylbenzene 1,3,5-/P-ethyltoluene	NE	10 U	10 U	10 U	10 U	10 U	110	31	9 J	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	100	23	6	10 U	10 U	10 U	10 U	10 U	
Trimethylpentane, 2,2,4-	NE	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 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 UJ	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	
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	18	10 U	2 J	10 U	10 U	10 U	10 U	10 U	
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	240	10 U	34	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	
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 Non-carcinogenic PAHs	NE	ND	ND	ND	ND	ND	258	ND	36	ND	ND	ND	ND	ND	
Carcinogenic PAHs (ug/L)															
Benzo[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo[a]pyrene	0	10 U	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 UJ	10 U	10 U	10 U	10 UJ	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	

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	OU3MW-05S	DUP-12 Q2	OU3MW-05I	DUP-13 Q2	OU3MW-06	OU3MW-07S	OU3MW-07S	OU3MW-07S	OU3MW-07I	DUP-O2	OU3MW-07I	OU3MW-07I	DUP-O2	
Screened Interval:	AWQS	2-12 ft	2-12 ft	15-20 ft	15-20 ft	3-13 ft	3-13 ft	3-13 ft	3-13 ft	15-20 ft	15-20 ft	15-20 ft	15-20 ft	15-20 ft	
Sample Date:		6/2/2010	6/2/2010	6/2/2010	6/2/2010	5/6/2010	4/22/2010	5/19/2010	6/17/2010	4/22/2010	4/22/2010	5/19/2010	6/17/2010	6/17/2010	
Parent Sample:			OU3MW-05S		OU3MW-05I						OU3MW-07I			OU3MW-07I	
Total PAHs (ug/L)															
Total PAHs	NE	ND	ND	ND	ND	ND	258	ND	36	ND	ND	ND	ND	ND	
Total Metals (ug/L)															
Aluminum	NE	NA	NA	NA	NA	NA	172 UJ	121 UJ	245	51.1 UJ	44.0 UJ	29.4 UJ	14.3 J	8.0 U	
Antimony	3	NA	NA	NA	NA	NA	2.9 U	2.9 U	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	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	NA	NA	NA	NA	NA	11.5 J	22.8 J	25.0 J	22.4 J	20.8 J	17.2 J	15.4 J	15.4 J	
Beryllium	3*	NA	NA	NA	NA	NA	0.22 UJ	0.17 U	0.17 U	0.17 U	0.59 UJ	0.20 UJ	0.47 UJ	0.54 UJ	
Cadmium	5	NA	NA	NA	NA	NA	0.33 U	0.33 U	0.33 U	0.41 J	0.33 U	0.37 J	0.57 UJ	0.33 U	
Calcium	NE	NA	NA	NA	NA	NA	37000	46500	46600	29400	27800	22600	22600	22800	
Chromium	50	NA	NA	NA	NA	NA	2.3 U	2.3 U	9.4 J	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	
Cobalt	NE	NA	NA	NA	NA	NA	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	
Copper	200	NA	NA	NA	NA	NA	0.64 U	2.0 J	2.2 UJ	2.4 J	1.7 J	2.5 J	2.2 UJ	4.2 UJ	
Iron	300	NA	NA	NA	NA	NA	1990	2160	3080	70.6 UJ	63.3 UJ	35.3 J	44.8 UJ	27.2 UJ	
Lead	25	NA	NA	NA	NA	NA	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.5 J	
Magnesium	35000*	NA	NA	NA	NA	NA	10400	12300	11300	5050	4730 J	3980 J	4340 J	4440 J	
Manganese	300	NA	NA	NA	NA	NA	97.3	120	135	31.4	29.5	30.4	40.2	39.8	
Mercury	0.7	NA	NA	NA	NA	NA	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.13 J	
Nickel	100	NA	NA	NA	NA	NA	1.5 U	3.9 J	4.4 J	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	
Potassium	NE	NA	NA	NA	NA	NA	2840 J	5840	4830 J	5130	4690 J	3080 J	2570 J	2600 J	
Selenium	10	NA	NA	NA	NA	NA	2.8 UJ	2.8 U	2.8 U	2.8 UJ	2.8 UJ	2.8 U	2.8 U	2.8 U	
Silver	50	NA	NA	NA	NA	NA	0.32 U	0.32 UJ	0.32 U	0.47 UJ	0.45 UJ	0.32 UJ	0.32 U	0.32 U	
Sodium	20000	NA	NA	NA	NA	NA	17900	25300 J	24200	45100	42200	36600 J	29200	29900	
Thallium	0.5*	NA	NA	NA	NA	NA	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	
Vanadium	NE	NA	NA	NA	NA	NA	1.1 U	1.1 U	1.1 U	1.8 J	1.1 U	1.1 U	1.6 J	1.1 U	
Zinc	2000*	NA	NA	NA	NA	NA	14.1 UJ	35.4 U	21.0 U	11.8 UJ	21.2 U	24.2 U	18.6 UJ	45.9 U	
Other (ug/L)															
Nitrogen, Ammonia	2000	NA	NA	NA	NA	NA	200	100 U	270	100 U	130	100 U	110 J	260 J	
Nitrogen, Nitrate	10000	NA	NA	NA	NA	NA	100 U	140	100 U	890	920	480	620	620	
Nitrogen, Nitrite	1000	NA	NA	NA	NA	NA	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	
Nitrogen, Total	NE	NA	NA	NA	NA	NA	520	140	480 U	1190	1160	790	1100 J	1080 J	
Nitrogen, Total Kjeldahl	NE	NA	NA	NA	NA	NA	520	100 U	480 U	300	240	310	480 U	460 U	
Other (cfu/mL)															
Standard Plate Count	NE	NA	NA	NA	NA	NA	22 J	17000	70 U	120 J	530 J	490	100 U	690 U	
Other (ug/L)															
Sulfate	250000	NA	NA	NA	NA	NA	26800 J	88200 J	126000	17700	19600 J	28300 J	28000	28000	
Sulfide	50*	NA	NA	NA	NA	NA	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	
Total Phosphorous	NE	NA	NA	NA	NA	NA	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 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
Sample Name:	NYS	OU3MW-0712	OU3MW-0712	DUP-051910 OU-3	OU3MW-0712	PDMW-01	SV-02
Screened Interval:	AWQS	20-25 ft	20-25 ft	20-25 ft	20-25 ft	5-20 ft	2-12 ft
Sample Date:		4/22/2010	5/19/2010	5/19/2010	6/17/2010	5/24/2010	5/20/2010
Parent Sample:				OU3MW-0712			
BTEX (ug/L)							
Benzene	1	10 U	10 U	10 U	10 U	10 U	8
Toluene	5	10 U	10 U	10 U	10 U	10 U	65
Ethylbenzene	5	10 U	10 U	10 U	10 U	10 U	23
Xylene, m,p-	5	10 U	10 U	10 U	10 U	10 U	70
Xylene, o-	5	10 U	10 U	10 U	10 U	10 U	46
Xylene, total	5	NA	NA	NA	NA	NA	NA
Total BTEX	NE	ND	ND	ND	ND	ND	212
Other VOCs (ug/L)							
Acetaldehyde	8*	10 UJ	10 U	10 U	10 UJ	10 U	10 U
Acetone	50*	10 U	10 U	10 U	10 UJ	10 U	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 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Bromomethane	5	10 UJ	10 U	10 U	10 U	10 U	10 U
Butadiene, 1,3-	NE	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ
Butanone, 2-	50*	10 U	10 U	10 U	10 UJ	10 U	10 U
Carbon disulfide	60*	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
Chlorobenzene	5	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
Chloroform	7	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
Chlorotoluene	5	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
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 UJ	10 U	10 U	10 UJ	10 UJ	10 UJ
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	1 J	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	R	R	R	R	R	R
Ethanol	NE	R	R	R	R	R	R
Heptane, n-	NE	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	0.5	10 U	10 UJ	10 UJ	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 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
Sample Name:	NYS	OU3MW-0712	OU3MW-0712	DUP-051910 OU-3	OU3MW-0712	PDMW-01	SV-02
Screened Interval:	AWQS	20-25 ft	20-25 ft	20-25 ft	20-25 ft	5-20 ft	2-12 ft
Sample Date:		4/22/2010	5/19/2010	5/19/2010	6/17/2010	5/24/2010	5/20/2010
Parent Sample:				OU3MW-0712			
Isopropyl benzene	5	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
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*	10 U	10 U	10 U	10 U	10 U	9
Propanol, 2-	NE	R	R	R	R	R	R
Propylbenzene, n-	5	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	5	10 U	10 U	10 U	10 U	10 U	11
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 UJ	10 U	10 U
Tetrahydrofuran	50*	10 U	10 U	10 U	10 UJ	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 UJ	10 UJ	10 UJ	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	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
Trichloroethene	5	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
Trimethylbenzene 1,3,5-/P-ethyltoluene	NE	10 U	10 U	10 U	10 U	10 U	5 J
Trimethylbenzene, 1,2,4-	5	10 U	10 U	10 U	10 U	10 U	7
Trimethylpentane, 2,2,4-	NE	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl acetate	NE	10 U	10 U	10 U	10 U	10 UJ	10 UJ
Vinyl chloride	2	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
Acenaphthylene	NE	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
Benzo[g,h,i]perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U
Methylnaphthalene, 2-	NE	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	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
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U
Total Non-carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND
Carcinogenic PAHs (ug/L)							
Benzo[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene	0	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 UJ	10 UJ	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 UJ
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzo[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	ND	ND

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
Sample Name:	NYS	OU3MW-0712	OU3MW-0712	DUP-051910 OU-3	OU3MW-0712	PDMW-01	SV-02
Screened Interval:	AWQS	20-25 ft	20-25 ft	20-25 ft	20-25 ft	5-20 ft	2-12 ft
Sample Date:		4/22/2010	5/19/2010	5/19/2010	6/17/2010	5/24/2010	5/20/2010
Parent Sample:				OU3MW-0712			
Total PAHs (ug/L)							
Total PAHs	NE	ND	ND	ND	ND	ND	ND
Total Metals (ug/L)							
Aluminum	NE	37.9 UJ	19.0 UJ	13.1 UJ	8.0 U	NA	NA
Antimony	3	2.9 U	2.9 U	2.9 U	2.9 U	NA	NA
Arsenic	25	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA
Barium	1000	15.3 J	15.0 J	14.4 J	13.7 J	NA	NA
Beryllium	3*	0.30 UJ	0.17 U	0.17 U	0.17 U	NA	NA
Cadmium	5	0.33 U	0.33 U	0.33 U	0.33 U	NA	NA
Calcium	NE	23300	19100	18100	16900	NA	NA
Chromium	50	2.3 U	2.3 U	2.3 U	2.3 U	NA	NA
Cobalt	NE	1.4 U	1.4 U	1.4 U	1.4 U	NA	NA
Copper	200	1.1 J	1.1 J	0.98 J	1.7 UJ	NA	NA
Iron	300	33.9 UJ	26.2 J	17.8 J	72.9 UJ	NA	NA
Lead	25	1.3 U	1.3 U	1.3 U	1.3 U	NA	NA
Magnesium	35000*	6010	4910 J	4640 J	4730 J	NA	NA
Manganese	300	39.4	29.3	27.8	31.4	NA	NA
Mercury	0.7	0.10 U	0.10 U	0.10 U	0.13 J	NA	NA
Nickel	100	1.5 U	3.3 J	1.5 U	1.6 J	NA	NA
Potassium	NE	2390 J	2150 J	2120 J	2000 J	NA	NA
Selenium	10	2.8 UJ	2.8 U	2.8 U	2.8 U	NA	NA
Silver	50	0.47 UJ	0.32 UJ	0.32 UJ	0.32 U	NA	NA
Sodium	20000	31900	36500 J	34900 J	31400	NA	NA
Thallium	0.5*	3.0 U	3.0 U	3.0 U	3.0 U	NA	NA
Vanadium	NE	1.1 U	1.1 U	1.1 U	1.1 U	NA	NA
Zinc	2000*	13.0 UJ	51.7 U	33.9 U	14.0 UJ	NA	NA
Other (ug/L)							
Nitrogen, Ammonia	2000	100 U	100 U	100 U	100 U	NA	NA
Nitrogen, Nitrate	10000	1990	1640	1660	1860	NA	NA
Nitrogen, Nitrite	1000	100 U	100 U	100 U	100 U	NA	NA
Nitrogen, Total	NE	2240	1640	1660	1860	NA	NA
Nitrogen, Total Kjeldahl	NE	250	100 U	100 U	100 U	NA	NA
Other (cfu/mL)							
Standard Plate Count	NE	70 J	260 J	600 J	170 U	120	NA
Other (ug/L)							
Sulfate	250000	21600	21900 J	21900 J	22400	NA	NA
Sulfide	50*	2000 U	2000 U	2000 U	2000 U	NA	NA
Total Phosphorous	NE	50 U	50 U	50 U	50 U	NA	NA

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)	
Community Road Line	Upgradient	MW-64	22	18	0.1	-50	0.0172	Decreasing
		MW-73	22	0	14260	-53	0.1350	No Trend
		MW-75	23	0	1802	-39	0.3030	No Trend
		MW-76	22	14	0.1	-39	0.1992	No Trend
		MW-78	21	21	2590	-116	0.0005	Decreasing
		MW-79	22	0	3135	-59	0.0962	Decreasing
		MW-80	22	0	39850	-87	0.0142	Decreasing
		MW-81	22	0	12585	-71	0.0453	Decreasing
		MW-82	22	0	7043	-75	0.0344	Decreasing
		MW-83	22	6	83.5	-84	0.0166	Decreasing
		SV-02	23	10	4	-18	0.6188	No Trend
SV-03	22	1	150.5	-178	0.0000	Decreasing		
Union Boulevard Line	Upgradient	MW-45W	28	0	3400	-102	0.0439	Decreasing
	Downgradient	MW-46W/WR	28	0	3640.5	-252	0.0000	Decreasing
		IO-10	27	16	0.1	-143	0.0008	Decreasing
		MW-11W	29	9	62	-159	0.0000	Decreasing
		MW-34I	17	12	0.1	-48	0.0134	Decreasing
		MW-34S	29	0	7750	-104	0.0511	Decreasing
		MW-30WR	22	18	0.1	-30	0.2052	No Trend
		MW-32W/W-R	28	2	1771	-205	0.0001	Decreasing
MW-70/70S	28	0	648	-55	0.1209	No Trend		

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

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

Notes:

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

Table 4-21
 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)
Community Road Line	Upgradient	MW-64	22	19	0.1	6	0.7750	No Trend
		MW-73	22	1	581.5	-55	0.1209	No Trend
		MW-75	23	8	38	-31	0.4020	No Trend
		MW-76	22	20	0.1	-35	0.0460	Decreasing
		MW-78	21	11	0.1	-92	0.0026	Decreasing
		MW-79	22	9	4.5	-127	0.0002	Decreasing
		MW-80	22	0	697.5	-139	0.0001	Decreasing
		MW-81	22	3	464	-64	0.0707	Decreasing
		MW-82	22	5	191.5	-111	0.0016	Decreasing
		MW-83	22	16	0.1	-61	0.0274	Decreasing
		SV-02	23	16	0.1	-33	0.2819	No Trend
SV-03	22	13	0.1	-72	0.0220	Decreasing		
Union Boulevard Line	Upgradient	MW-45W	28	8	39	-135	0.0066	Decreasing
	Downgradient	MW-46W/WR	28	1	88	-231	0.0000	Decreasing
		IO-10	27	18	0.1	-108	0.0051	Decreasing
		MW-11W	29	16	0.1	-100	0.0034	Decreasing
		MW-34D	16	15	0.1	-5	0.5876	No Trend
		MW-34I	17	13	0.1	-42	0.0190	Decreasing
		MW-34S	29	1	105	-100	0.0606	Decreasing
		MW-32W/W-R	28	6	46	-122	0.0153	Decreasing
MW-70/70S	28	6	13.5	-35	0.3211	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		
		June/July	Nov/Dec	Feb-Apr	Jul/Aug	Sept/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	June	August
WCMW-01S	2.0 - 12.0	5	1	0	0	0	0	0	11	0	0	0	10
WCMW-01I	35.0 - 45.0	0	0	0	0	0	--	0	0	--	0	--	--
WCMW-01D	64.0 - 74.0	0	0	--	0	--	--	0	0	--	--	--	--
WCMW-02S	3.0 - 13.0	6	0	0	0	0	0	0	0	--	0	--	--
WCMW-02I	34.5 - 44.5	0	0	0	0	0	--	0	0	--	--	--	--
WCMW-02D	62.0 - 72.0	0	0	--	--	--	--	0	0	--	--	--	--
WCMW-03S	4.83 - 9.83	--	10	12	25	0	10	25	14	0	42	14	23
WCMW-03I	19.4 - 24.4	--	0	0	0	0	0	0	0	0	0	--	--
WCMW-03I2	28.55 - 33.55	--	0	0	0	0	0	0	0	0	0	--	--
WCMW-04S	1.6 - 11.6	--	33	0	15	16	12	0	10	40	0	16	0
WCMW-04I	19.0 - 24.0	--	0	0	0	0	0	0	0	--	0	--	--
WCMW-04I2	29.85 - 34.85	--	0	--	0	0	--	0	0	0	0	--	--
WCMW-05S	1.4 - 11.4	--	0	0	0	0	0	0	0	0	0	--	--
WCMW-05I	19.61 - 24.61	--	0	0	0	0	0	0	0	--	0	--	--
WCMW-05I2	29.46 - 34.46	--	0	0	0	0	--	0	0	0	0	--	--
WCMW-06S	2.0 - 12.0	--	0	0	0	0	0	0	0	--	--	--	--
WCMW-06I	19.55 - 24.55	--	0	0	0	0	0	0	0	--	--	--	--
WCMW-06I2	29.83 - 34.83	--	0	--	0	0	--	0	0	--	--	--	--
WCMW-07S	2.76 - 12.76	--	0	0	0	0	--	0	--	--	--	--	--
WCMW-07I	18.9 - 23.9	--	0	--	0	0	--	0	--	--	--	--	--
WCMW-07I2	28.95 - 33.95	--	0	--	0	0	--	0	--	--	--	--	--
WCMW-08S	4.2 - 9.2	--	0	0	0	0	--	0	0	--	--	--	--
WCMW-08I	19.2 - 24.2	--	0	--	0	0	--	0	0	--	--	--	--
WCMW-08I2	26.9 - 31.9	--	0	--	0	0	--	0	0	--	--	--	--
WCMW-09S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-10S	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-10D	40.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-11S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-11I	25.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-11D	50.0 - 60.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-12S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-12I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-12D	67.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-13S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-13I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-13D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-14S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-14I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-14I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-14D	67.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-16S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-16I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-16I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-17S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--

Table 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		
		June/July	Nov/Dec	Feb-Apr	Jul/Aug	Sept/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	June	August
WCMW-171	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-1712	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	--	--	--	--	--	--	--	--	--	--	--	--

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	March	June	Jul/Aug	Nov/Dec	March	May-July	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	July-Sep
WCMW-01S	2.0 - 12.0	0	0	0	23	0	0	0	13	9	2	0	12
WCMW-01I	35.0 - 45.0	--	0	--	--	--	0	--	0	1	0	0	0
WCMW-01D	64.0 - 74.0	--	0	--	--	--	0	--	0	2	0	0	0
WCMW-02S	3.0 - 13.0	--	0	0	0	0	0	0	4	6	0	0	2
WCMW-02I	34.5 - 44.5	--	0	--	--	--	0	--	0	0	0	0	0
WCMW-02D	62.0 - 72.0	--	0	--	--	--	0	--	0	0	0	0	0
WCMW-03S	4.83 - 9.83	10	--	0	22	20	0	12	32	0	20	21	25
WCMW-03I	19.4 - 24.4	0	--	0	--	--	--	--	0	0	0	0	0
WCMW-03I2	28.55 - 33.55	0	--	0	--	--	--	--	0	0	0	0	0
WCMW-04S	1.6 - 11.6	0	11	10	31	16	0	12	23	25	6	22	24
WCMW-04I	19.0 - 24.0	0	--	--	--	0	--	--	0	0	0	0	0
WCMW-04I2	29.85 - 34.85	0	--	--	--	0	0	--	0	0	0	0	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
WCMW-17S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--

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	March	June	Jul/Aug	Nov/Dec	March	May-July	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	July-Sep
WCMW-171	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-1712	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	--	--	--	--	--	--	--	--	--	--	--	--

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							Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2008		2009			2010						
		Oct-Dec	Jan-Mar	Apr-Jun	July-Aug	Oct-Dec	Jan-Mar	Apr-Jun					
WCMW-01S	2.0 - 12.0	3	3	1	4	0	1	5	0	23	3	0	23
WCMW-01I	35.0 - 45.0	0	0	0	0	0	0	0	0	1	0	0	1
WCMW-01D	64.0 - 74.0	0	0	0	0	0	0	0	0	2	0	0	2
WCMW-02S	3.0 - 13.0	0	0	0	0	5	0	0	0	6	1	0	6
WCMW-02I	34.5 - 44.5	0	0	0	0	0	0	0	0	0	0	0	0
WCMW-02D	62.0 - 72.0	0	0	0	0	0	0	0	0	0	0	0	0
WCMW-03S	4.83 - 9.83	24	33	34	23	6	27	29	0	42	17	0	42
WCMW-03I	19.4 - 24.4	0	0	0	0	0	0	0	0	0	0	0	0
WCMW-03I2	28.55 - 33.55	0	0	0	0	0	0	0	0	0	0	0	0
WCMW-04S	1.6 - 11.6	26	21	34	10	2	6	12	0	40	15	0	40
WCMW-04I	19.0 - 24.0	0	0	0	2	0	0	0	0	2	0	0	2
WCMW-04I2	29.85 - 34.85	0	0	0	0	0	0	0	0	0	0	0	0
WCMW-05S	1.4 - 11.4	0	1	0	0	1	2	3	0	2	0	0	3
WCMW-05I	19.61 - 24.61	0	0	0	0	0	0	0	0	0	0	0	0
WCMW-05I2	29.46 - 34.46	0	0	0	0	0	0	0	0	0	0	0	0
WCMW-06S	2.0 - 12.0	0	0	0	0	0	0	0	0	0	0	0	0
WCMW-06I	19.55 - 24.55	0	0	0	0	0	0	0	0	0	0	0	0
WCMW-06I2	29.83 - 34.83	0	0	0	0	0	0	0	0	0	0	0	0
WCMW-07S	2.76 - 12.76	--	--	--	--	--	--	--	0	0	0	0	0
WCMW-07I	18.9 - 23.9	--	--	--	--	--	--	--	0	0	0	0	0
WCMW-07I2	28.95 - 33.95	--	--	--	--	--	--	--	0	0	0	0	0
WCMW-08S	4.2 - 9.2	--	--	--	--	--	0	--	0	0	0	0	0
WCMW-08I	19.2 - 24.2	--	--	--	--	--	0	--	0	0	0	0	0
WCMW-08I2	26.9 - 31.9	--	--	--	--	--	0	--	0	0	0	0	0
WCMW-09S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0
WCMW-10S	15.0 - 20.0	0	0	0	0	0	0	0	0	0	0	0	0
WCMW-10D	40.0 - 50.0	0	0	0	0	0	0	0	0	1	0	0	1
WCMW-11S	5.0 - 15.0	--	--	53	36	2	23	--	2	148	56	2	148
WCMW-11I	25.0 - 35.0	--	--	0	0	0	0	--	0	0	0	0	0
WCMW-11D	50.0 - 60.0	--	--	0	0	0	0	--	0	0	0	0	0
WCMW-12S	3.0 - 13.0	0	0	0	0	0	0	0	0	0	0	0	0
WCMW-12I	25.0 - 30.0	0	0	0	0	0	0	0	0	0	0	0	0
WCMW-12D	67.0 - 72.0	0	0	0	0	0	0	0	0	0	0	0	0
WCMW-13S	3.0 - 13.0	0	0	0	0	0	0	0	0	1	0	0	1
WCMW-13I	25.0 - 30.0	0	0	0	0	0	0	0	0	0	0	0	0
WCMW-13D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0	0	0
WCMW-14S	2.0 - 12.0	0	0	0	0	0	0	0	0	0	0	0	0
WCMW-14I	20.0 - 25.0	0	0	0	0	0	1	0	0	1	0	0	1
WCMW-14I2	30.0 - 35.0	0	0	0	0	0	0	0	0	0	0	0	0
WCMW-14D	67.0 - 72.0	0	0	0	0	0	0	0	0	0	0	0	0
WCMW-16S	2.0 - 12.0	0	0	2	0	9	0	0	0	9	1	0	9
WCMW-16I	20.0 - 25.0	0	0	1	0	0	0	0	0	1	0	0	1
WCMW-16I2	30.0 - 35.0	0	0	2	0	0	0	0	0	2	0	0	2
WCMW-17S	2.0 - 12.0	--	--	5	6	2	0	1	0	6	3	0	6

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							Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum	
		2008		2009			2010							
		Oct-Dec	Jan-Mar	Apr-Jun	July-Aug	Oct-Dec	Jan-Mar	Apr-Jun						
WCMW-17I	20.0 - 25.0	--	--	0	2	0	0	1	0	0	0	0	0	0
WCMW-17I2	30.0 - 35.0	--	--	0	0	0	0	0	0	0	0	0	0	0
WCMW-18WT	2.0 - 7.0	--	--	0	0	0	0	0	0	0	0	0	0	0
WCMW-18S	2.0 - 12.0	--	--	0	0	1	0	0	0	0	1	0	0	1
WCMW-18I	20.0 - 25.0	--	--	0	0	0	0	0	0	0	0	0	0	0
WCMW-18I2	30.0 - 35.0	--	--	0	0	0	0	0	0	0	0	0	0	0
WCMW-19S	2.0 - 12.0	--	--	--	0	0	0	0	0	0	0	0	0	0
WCMW-19I	20.0 - 25.0	--	--	--	0	0	0	0	0	0	0	0	0	0
WCMW-19I2	30.0 - 35.0	--	--	--	0	0	0	0	0	0	0	0	0	0
WCMW-20S	2.0 - 12.0	--	--	--	0	0	0	0	0	0	0	0	0	0
WCMW-20I	20.0 - 25.0	--	--	--	0	0	0	0	0	0	0	0	0	0
WCMW-20I2	30.0 - 35.0	--	--	--	0	0	0	0	0	0	0	0	0	0
WCMW-21S	2.0 - 12.0	--	--	--	0	0	0	0	0	0	0	0	0	0
WCMW-21I	20.0 - 25.0	--	--	--	0	0	0	0	0	0	0	0	0	0
WCMW-21I2	30.0 - 35.0	--	--	--	0	0	0	0	0	0	0	0	0	0
WCMW-22S	2.0 - 12.0	--	--	--	0	0	0	--	0	0	0	0	0	0
WCMW-22I	25.0 - 30.0	--	--	--	0	0	0	--	0	0	0	0	0	0
WCMW-23S	2.0 - 12.0	--	--	--	0	0	0	--	0	0	0	0	0	0
WCMW-23I	25.0 - 30.0	--	--	--	0	0	0	--	0	0	0	0	0	0
WCMW-24S	2.0 - 12.0	--	--	--	--	0	16	--	0	16	8	0	16	16
WCMW-24I	20.0 - 25.0	--	--	--	--	0	0	--	0	0	0	0	0	0
WCMW-24I2	30.0 - 35.0	--	--	--	--	0	0	--	0	0	0	0	0	0
WCMW-25I	30.0 - 35.0	--	--	--	--	0	1	0	0	1	1	0	1	1
WCMW-25D	55.0 - 60.0	--	--	--	--	0	0	0	0	0	0	0	0	0
WCMW-26S	2.0 - 12.0	--	--	--	--	44	78	--	44	78	61	44	78	78
WCMW-26I	20.0 - 25.0	--	--	--	--	0	0	--	0	0	0	0	0	0
WCMW-26I2	30.0 - 35.0	--	--	--	--	0	0	--	0	0	0	0	0	0
WCMW-27S	2.0 - 12.0	--	--	--	--	19	4	29	4	19	12	4	29	29
WCMW-27I	20.0 - 25.0	--	--	--	--	0	0	0	0	0	0	0	0	0
WCMW-28S	2.0 - 12.0	--	--	--	--	0	0	0	0	0	0	0	0	0
WCMW-28I	20.0 - 25.0	--	--	--	--	0	0	0	0	0	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 Concentrations (ug/L)											
		Sampling Date											
		2002		2003			2004				2005		
		June/July	Nov/Dec	Feb-Apr	Jul/Aug	Sept/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	June	August
WCMW-01S	2.0 - 12.0	33	756	24	10	117	0	19	228	240	0	51	298
WCMW-01I	35.0 - 45.0	2	2	0	0	0	--	0	0	--	0	--	--
WCMW-01D	64.0 - 74.0	45	35	--	0	--	--	0	0	--	--	--	--
WCMW-02S	3.0 - 13.0	79	125	0	0	62	0	0	44	--	15	--	--
WCMW-02I	34.5 - 44.5	0	4	0	0	0	--	0	0	--	--	--	--
WCMW-02D	62.0 - 72.0	0	0	--	--	--	--	0	0	--	--	--	--
WCMW-03S	4.83 - 9.83	--	74	393	419	481	34	293	458	350	235	171	800
WCMW-03I	19.4 - 24.4	--	268	1,120	1,100	1,004	1,243	1,261	1,395	1,182	1,532	--	--
WCMW-03I2	28.55 - 33.55	--	327	340	402	348	49	133	191	127	94	--	--
WCMW-04S	1.6 - 11.6	--	1,080	141	69	270	50	0	219	836	17	136	204
WCMW-04I	19.0 - 24.0	--	221	174	142	99	0	62	90	--	81	--	--
WCMW-04I2	29.85 - 34.85	--	0	--	0	0	--	0	17	95	0	--	--
WCMW-05S	1.4 - 11.4	--	0	31	0	0	0	10	0	14	12	--	--
WCMW-05I	19.61 - 24.61	--	156	329	243	215	298	227	245	--	276	--	--
WCMW-05I2	29.46 - 34.46	--	0	0	15	0	--	0	0	214	0	--	--
WCMW-06S	2.0 - 12.0	--	39	0	0	0	0	0	0	--	--	--	--
WCMW-06I	19.55 - 24.55	--	0	0	0	0	0	0	0	--	--	--	--
WCMW-06I2	29.83 - 34.83	--	0	--	0	0	--	0	0	--	--	--	--
WCMW-07S	2.76 - 12.76	--	0	0	0	56	--	0	--	--	--	--	--
WCMW-07I	18.9 - 23.9	--	0	--	0	0	--	0	--	--	--	--	--
WCMW-07I2	28.95 - 33.95	--	0	--	0	0	--	0	--	--	--	--	--
WCMW-08S	4.2 - 9.2	--	0	0	0	0	--	0	0	--	--	--	--
WCMW-08I	19.2 - 24.2	--	0	--	0	0	0	0	0	--	--	--	--
WCMW-08I2	26.9 - 31.9	--	0	--	0	0	--	0	0	--	--	--	--
WCMW-09S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-10S	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-10D	40.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-11S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-11I	25.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-11D	50.0 - 60.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-12S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-12I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-12D	67.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-13S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-13I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-13D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-14S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-14I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-14I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-14D	67.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-16S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-16I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-16I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--

Table 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			
		June/July	Nov/Dec	Feb-Apr	Jul/Aug	Sept/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	June	August
WCMW-17S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-17I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-17I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-18WT	2.0 - 7.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-18S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-18I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-18I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-19S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-19I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-19I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-20S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-20I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-20I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-21S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-21I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-21I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-22S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-22I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-23S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-23I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--	--	--	--	--

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	March	June	Jul/Aug	Nov/Dec	March	May-July	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	July-Sep
WCMW-01S	2.0 - 12.0	14	0	10	340	130	78	291	203	345	47	9	353
WCMW-01I	35.0 - 45.0	--	0	--	--	--	0	--	0	0	0	0	2
WCMW-01D	64.0 - 74.0	--	0	--	--	--	0	--	0	0	0	0	0
WCMW-02S	3.0 - 13.0	--	0	0	30	0	0	0	77	101	0	4	51
WCMW-02I	34.5 - 44.5	--	0	--	--	--	0	--	0	0	0	0	1
WCMW-02D	62.0 - 72.0	--	0	--	--	--	0	--	0	0	0	0	1
WCMW-03S	4.83 - 9.83	376	--	242	339	233	198	240	305	44	122	12	102
WCMW-03I	19.4 - 24.4	1,423	--	1,770	--	--	--	--	255	315	939	134	290
WCMW-03I2	28.55 - 33.55	109	--	83	--	--	--	--	5	37	6	0	25
WCMW-04S	1.6 - 11.6	153	116	57	264	445	95	214	194	326	186	72	337
WCMW-04I	19.0 - 24.0	155	--	--	--	144	--	--	142	94	70	66	96
WCMW-04I2	29.85 - 34.85	0	--	--	--	0	--	--	0	0	0	0	0
WCMW-05S	1.4 - 11.4	0	--	0	--	--	0	0	3	3	5	3	4
WCMW-05I	19.61 - 24.61	338	--	286	--	--	--	--	242	287	162	153	121
WCMW-05I2	29.46 - 34.46	0	--	0	--	--	--	--	7	31	0	0	39
WCMW-06S	2.0 - 12.0	--	--	--	--	--	0	0	1	0	0	4	0
WCMW-06I	19.55 - 24.55	--	--	--	--	--	--	--	52	0	0	0	0
WCMW-06I2	29.83 - 34.83	--	--	--	--	--	--	--	0	11	0	0	0
WCMW-07S	2.76 - 12.76	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-07I	18.9 - 23.9	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-07I2	28.95 - 33.95	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-08S	4.2 - 9.2	--	0	--	--	--	--	--	0	0	0	--	0
WCMW-08I	19.2 - 24.2	--	--	--	--	--	--	--	0	0	0	--	0
WCMW-08I2	26.9 - 31.9	--	--	--	--	--	--	--	0	0	0	--	0
WCMW-09S	5.0 - 15.0	--	0	0	0	--	--	--	0	0	0	0	0
WCMW-10S	15.0 - 20.0	--	0	0	21	0	0	0	0	0	0	0	0
WCMW-10D	40.0 - 50.0	--	0	0	0	--	--	--	0	0	0	0	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	March	June	Jul/Aug	Nov/Dec	March	May-July	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	July-Sep
WCMW-17S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-17I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-17I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-18WT	2.0 - 7.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-18S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-18I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-18I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-19S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-19I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-19I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-20S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-20I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-20I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-21S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-21I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-21I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-22S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-22I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-23S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-23I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--	--	--	--	--

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							Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2008	2009			2010							
		Oct-Dec	Jan-Mar	Apr-Jun	July-Aug	Oct-Dec	Jan-Mar	Apr-Jun					
WCMW-01S	2.0 - 12.0	77	0	16	26	3	4	14	0	756	124	0	756
WCMW-01I	35.0 - 45.0	0	0	0	46	0	1	0	0	46	3	0	46
WCMW-01D	64.0 - 74.0	0	0	0	2	0	0	0	0	45	5	0	45
WCMW-02S	3.0 - 13.0	27	0	5	0	12	3	0	0	125	24	0	125
WCMW-02I	34.5 - 44.5	0	0	0	0	0	0	0	0	4	0	0	4
WCMW-02D	62.0 - 72.0	0	0	0	0	0	0	0	0	1	0	0	1
WCMW-03S	4.83 - 9.83	239	243	358	419	237	501	6	12	800	283	6	800
WCMW-03I	19.4 - 24.4	1,107	142	1,146	994	1,743	1,127	1,332	134	1,770	977	134	1,770
WCMW-03I2	28.55 - 33.55	24	0	2	5	15	0	535	0	402	106	0	535
WCMW-04S	1.6 - 11.6	332	43	16	272	197	204	227	0	1,080	226	0	1,080
WCMW-04I	19.0 - 24.0	100	33	108	101	46	15	30	0	221	97	0	221
WCMW-04I2	29.85 - 34.85	0	0	0	0	2	0	0	0	95	6	0	95
WCMW-05S	1.4 - 11.4	2	5	7	6	8	8	7	0	31	5	0	31
WCMW-05I	19.61 - 24.61	150	170	241	411	432	270	83	121	432	250	83	432
WCMW-05I2	29.46 - 34.46	63	0	48	5	0	0	0	0	214	20	0	214
WCMW-06S	2.0 - 12.0	0	0	0	0	0	0	0	0	39	2	0	39
WCMW-06I	19.55 - 24.55	0	0	0	0	0	0	0	0	52	3	0	52
WCMW-06I2	29.83 - 34.83	0	0	0	0	0	0	0	0	11	1	0	11
WCMW-07S	2.76 - 12.76	--	--	--	--	--	--	--	0	56	11	0	56
WCMW-07I	18.9 - 23.9	--	--	--	--	--	--	--	0	0	0	0	0
WCMW-07I2	28.95 - 33.95	--	--	--	--	--	--	--	0	0	0	0	0
WCMW-08S	4.2 - 9.2	--	--	--	--	--	0	--	0	0	0	0	0
WCMW-08I	19.2 - 24.2	--	--	--	--	--	0	--	0	0	0	0	0
WCMW-08I2	26.9 - 31.9	--	--	--	--	--	0	--	0	0	0	0	0
WCMW-09S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0
WCMW-10S	15.0 - 20.0	0	0	0	0	5	0	0	0	21	2	0	21
WCMW-10D	40.0 - 50.0	0	0	0	0	3	0	0	0	3	0	0	3
WCMW-11S	5.0 - 15.0	--	--	624	637	238	159	--	159	1,037	570	159	1,037
WCMW-11I	25.0 - 35.0	--	--	0	10	1	20	--	0	20	4	0	20
WCMW-11D	50.0 - 60.0	--	--	0	0	0	2	--	0	2	0	0	2
WCMW-12S	3.0 - 13.0	1	4	13	0	3	0	2	0	13	4	0	13
WCMW-12I	25.0 - 30.0	0	0	5	5	16	0	0	0	16	3	0	16
WCMW-12D	67.0 - 72.0	0	0	0	0	0	0	0	0	1	0	0	1
WCMW-13S	3.0 - 13.0	53	0	0	0	0	1	0	0	53	6	0	53
WCMW-13I	25.0 - 30.0	0	0	0	0	0	0	0	0	0	0	0	0
WCMW-13D	65.0 - 70.0	1	0	0	0	0	0	0	0	1	0	0	1
WCMW-14S	2.0 - 12.0	0	0	6	0	4	20	23	0	20	3	0	23
WCMW-14I	20.0 - 25.0	2	2	50	64	81	149	214	0	149	49	0	214
WCMW-14I2	30.0 - 35.0	10	1	11	0	18	57	25	0	70	19	0	70
WCMW-14D	67.0 - 72.0	0	0	2	0	0	0	0	0	2	0	0	2
WCMW-16S	2.0 - 12.0	0	24	22	0	1971	2,259	337	0	2,259	485	0	2,259
WCMW-16I	20.0 - 25.0	0	0	18	0	2	13	6	0	18	4	0	18
WCMW-16I2	30.0 - 35.0	0	0	4	55	5	15	10	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)											
		Sampling Date							Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2008	2009			2010							
		Oct-Dec	Jan-Mar	Apr-Jun	July-Aug	Oct-Dec	Jan-Mar	Apr-Jun					
WCMW-17S	2.0 - 12.0	--	--	295	226	201	141	339	141	295	216	141	339
WCMW-17I	20.0 - 25.0	--	--	292	342	38	186	338	38	342	215	38	342
WCMW-17I2	30.0 - 35.0	--	--	0	16	0	12	12	0	16	7	0	16
WCMW-18WT	2.0 - 7.0	--	--	0	0	0	0	0	0	0	0	0	0
WCMW-18S	2.0 - 12.0	--	--	0	0	0	0	0	0	0	0	0	0
WCMW-18I	20.0 - 25.0	--	--	0	0	0	0	0	0	0	0	0	0
WCMW-18I2	30.0 - 35.0	--	--	0	0	0	0	0	0	0	0	0	0
WCMW-19S	2.0 - 12.0	--	--	--	0	0	0	0	0	0	0	0	0
WCMW-19I	20.0 - 25.0	--	--	--	0	0	0	0	0	0	0	0	0
WCMW-19I2	30.0 - 35.0	--	--	--	0	0	0	0	0	0	0	0	0
WCMW-20S	2.0 - 12.0	--	--	--	0	2	0	0	0	2	1	0	2
WCMW-20I	20.0 - 25.0	--	--	--	0	0	0	0	0	0	0	0	0
WCMW-20I2	30.0 - 35.0	--	--	--	0	0	0	0	0	0	0	0	0
WCMW-21S	2.0 - 12.0	--	--	--	0	0	0	0	0	0	0	0	0
WCMW-21I	20.0 - 25.0	--	--	--	0	0	0	0	0	0	0	0	0
WCMW-21I2	30.0 - 35.0	--	--	--	0	0	0	0	0	0	0	0	0
WCMW-22S	2.0 - 12.0	--	--	--	61	56	54	--	54	61	57	54	61
WCMW-22I	25.0 - 30.0	--	--	--	5	1	0	--	0	5	2	0	5
WCMW-23S	2.0 - 12.0	--	--	--	34	16	0	--	0	34	17	0	34
WCMW-23I	25.0 - 30.0	--	--	--	0	0	0	--	0	0	0	0	0
WCMW-24S	2.0 - 12.0	--	--	--	--	237	336	--	237	336	287	237	336
WCMW-24I	20.0 - 25.0	--	--	--	--	10	53	--	10	53	32	10	53
WCMW-24I2	30.0 - 35.0	--	--	--	--	0	0	--	0	0	0	0	0
WCMW-25I	30.0 - 35.0	--	--	--	--	0	54	0	0	54	27	0	54
WCMW-25D	55.0 - 60.0	--	--	--	--	0	0	0	0	0	0	0	0
WCMW-26S	2.0 - 12.0	--	--	--	--	350	232	--	232	350	291	232	350
WCMW-26I	20.0 - 25.0	--	--	--	--	47	24	--	24	47	36	24	47
WCMW-26I2	30.0 - 35.0	--	--	--	--	3	24	--	3	24	14	3	24
WCMW-27S	2.0 - 12.0	--	--	--	--	141	0	278	0	141	71	0	278
WCMW-27I	20.0 - 25.0	--	--	--	--	0	0	0	0	0	0	0	0
WCMW-28S	2.0 - 12.0	--	--	--	--	251	36	97	36	251	144	36	251
WCMW-28I	20.0 - 25.0	--	--	--	--	2	0	0	0	2	1	0	2

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-011	WCMW-011	WCMW-01D	WCMW-02S	WCMW-02I	WCMW-02D	WCMW-03S	WCMW-03S	WCMW-03I	WCMW-03I	WCMW-03I2	WCMW-03I2
Screened Interval:		2-12 ft	2-12 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	19.4-24.4 ft	19.4-24.4 ft	28.55-33.55 ft	28.55-33.55 ft
Sample Date:		5/7/2010	6/1/2010	5/5/2010	6/1/2010	5/5/2010	5/6/2010	5/6/2010	5/6/2010	5/5/2010	6/1/2010	5/5/2010	6/1/2010	5/5/2010	6/1/2010
Parent Sample:															
BTEX (ug/L)															
Benzene	1	20 U	3 J	10 U	10 U	100 U	10 U	10 U	10 U	8 J	9 J	50 U	10 U	10 U	10 U
Toluene	5	20 U	1 J	10 U	10 U	100 U	10 U	10 U	10 U	50 U	2 J	50 U	10 U	10 U	10 U
Ethylbenzene	5	20 U	1 J	10 U	10 U	100 U	10 U	10 U	10 U	6 J	8 J	50 U	10 U	10 U	10 U
Xylene, m,p-	5	20 U	10 U	10 U	10 U	100 U	10 U	10 U	10 U	50 U	3 J	50 U	10 U	10 U	10 U
Xylene, o-	5	20 U	10 U	10 U	10 U	100 U	10 U	10 U	10 U	5 J	7 J	50 U	10 U	10 U	10 U
Total BTEX	NE	ND	5	ND	ND	ND	ND	ND	ND	19	29	ND	ND	ND	ND
Other VOCs (ug/L)															
Acetaldehyde	8*	69	10 U	10 U	10 U	110	10 U	10 U	10 U	50 U	10 U	50 U	10 U	10 U	10 U
Acetone	50*	270	190	9 J	10 U	770	10 U	10 U	10 U	450	230	50 U	10 U	10 U	10 U
Allyl chloride	5	20 U	10 U	10 U	10 U	100 U	10 U	10 U	10 U	50 U	10 U	50 U	10 U	10 U	10 U
Bromodichloromethane	50*	20 U	10 U	10 U	10 U	100 U	10 U	10 U	10 U	50 U	10 U	50 U	10 U	10 U	10 U
Bromoform	50*	20 U	10 U	10 U	10 U	100 U	10 U	10 U	10 U	50 U	10 U	50 U	10 U	10 U	10 U
Bromomethane	5	20 U	10 U	10 U	10 U	86 J	10 U	10 U	10 U	50 U	10 U	50 U	10 U	10 U	10 U
Butadiene, 1,3-	NE	20 U	10 U	10 U	10 U	100 U	10 U	10 U	10 U	50 U	10 U	50 U	10 U	10 U	10 U
Butanone, 2-	50*	15 J	23	10 U	10 U	28 J	10 U	10 U	10 U	39 J	26	50 U	10 U	10 U	10 U
Carbon disulfide	60*	4 J	9 J	10 U	10 U	100 U	10 U	10 U	10 U	88	65	50 U	10 U	10 U	10 U
Carbon tetrachloride	5	20 U	10 U	10 U	10 U	100 U	10 U	10 U	10 U	50 U	10 U	50 U	10 U	10 U	10 U
Chlorobenzene	5	20 U	10 U	10 U	10 U	100 U	10 U	10 U	10 U	50 U	10 U	50 U	10 U	10 U	10 U
Chloroethane	5	20 U	10 U	10 U	10 U	13 J	10 U	10 U	10 U	50 U	1 J	50 U	10 U	10 U	10 U
Chloroform	7	20 U	10 U	10 U	10 U	100 U	10 U	10 U	10 U	50 U	10 U	50 U	10 U	10 U	10 U
Chloromethane	5	20 U	10 U	10 U	10 U	830	10 U	10 U	10 U	50 U	10 U	50 U	10 U	10 U	10 U
Chlorotoluene	5	20 U	10 U	10 U	10 U	100 U	10 U	10 U	10 U	50 U	10 U	50 U	10 U	10 U	10 U
Cryofluorane	NE	20 U	10 U	10 U	10 U	100 U	10 U	10 U	10 U	50 U	10 U	50 U	10 U	10 U	10 U
Cyclohexane	NE	20 U	10 U	10 U	10 U	100 U	10 U	10 U	10 U	50 U	10 U	50 U	10 U	10 U	10 U
Dibromochloromethane	50*	20 U	10 U	10 U	10 U	100 U	10 U	10 U	10 U	50 U	10 U	50 U	10 U	10 U	10 U
Dibromoethane, 1,2-	0.0006	20 U	10 U	10 U	10 U	100 U	10 U	10 U	10 U	50 U	10 U	50 U	10 U	10 U	10 U
Dichlorobenzene, 1,2-	3	20 U	10 U	10 U	10 U	100 U	10 U	10 U	10 U	50 U	10 U	50 U	2 J	10 U	10 U
Dichlorobenzene, 1,3-	3	20 U	10 U	10 U	10 U	100 U	10 U	10 U	10 U	50 U	10 U	50 U	10 U	10 U	10 U
Dichlorobenzene, 1,4-	3	20 U	10 U	10 U	10 U	100 U	10 U	10 U	10 U	50 U	10 U	50 U	10 U	10 U	10 U
Dichlorodifluoromethane	5	20 U	10 U	10 U	10 U	100 U	10 U	10 U	10 U	50 U	10 U	50 U	10 U	10 U	10 U
Dichloroethane, 1,1-	5	20 U	10 U	10 U	10 U	100 U	10 U	10 U	10 U	50 U	10 U	50 U	10 U	10 U	10 U
Dichloroethane, 1,2-	0.6	20 U	10 U	10 U	10 U	100 U	10 U	10 U	10 U	50 U	10 U	50 U	10 U	10 U	10 U
Dichloroethene, 1,1-	0.07	20 U	10 U	10 U	10 U	100 U	10 U	10 U	10 U	50 U	10 U	50 U	10 U	10 U	10 U
Dichloroethene, cis-1,2-	5	20 U	10 U	10 U	10 U	100 U	10 U	10 U	10 U	50 U	10 U	50 U	10 U	10 U	10 U
Dichloropropane, 1,2-	1	20 U	10 U	10 U	10 U	100 U	10 U	10 U	10 U	50 U	10 U	50 U	10 U	10 U	10 U
Dichloropropene, cis-1,3	NE	20 U	10 U	10 U	10 U	100 U	10 U	10 U	10 U	50 U	10 U	50 U	10 U	10 U	10 U
Dichloropropene, trans-1,3	NE	20 U	10 U	10 U	10 U	100 U	10 U	10 U	10 U	50 U	10 U	50 U	10 U	10 U	10 U
Dioxane, 1,4-	NE	1000 U	R	500 U	R	5000 U	500 U	500 U	500 U	2500 U	R	2500 U	R	500 U	R
Ethanol	NE	1000 U	R	500 U	R	5000 U	500 U	500 U	500 U	2500 U	R	2500 U	R	500 U	R
Heptane, n-	NE	20 U	10 UJ	10 U	10 UJ	100 U	10 U	10 U	10 U	50 U	10 UJ	50 U	10 UJ	10 U	10 UJ
Hexachlorobutadiene	0.5	20 U	10 UJ	10 U	10 UJ	100 U	10 U	10 U	10 U	50 U	10 UJ	50 U	10 UJ	10 U	10 UJ
Hexane, n-	NE	20 U	10 UJ	10 U	10 UJ	100 U	10 U	10 U	10 U	50 U	10 UJ	50 U	10 UJ	10 U	10 UJ
Hexanone, 2-	50*	20 U	10 U	10 U	10 U	100 U	10 U	10 U	10 U	50 U	10 U	50 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-01I	WCMW-01I	WCMW-01D	WCMW-02S	WCMW-02I	WCMW-02D	WCMW-03S	WCMW-03S	WCMW-03I	WCMW-03I	WCMW-03I2	WCMW-03I2	
Screened Interval:	AWQS	2-12 ft	2-12 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	19.4-24.4 ft	19.4-24.4 ft	28.55-33.55 ft	28.55-33.55 ft	
Sample Date:		5/7/2010	6/1/2010	5/5/2010	6/1/2010	5/5/2010	5/6/2010	5/6/2010	5/6/2010	5/5/2010	6/1/2010	5/5/2010	6/1/2010	5/5/2010	6/1/2010	
Parent Sample:																
Isopropyl benzene	5	20 U	10 U	10 U	10 U	100 U	10 U	10 U	10 U	50 U	2 J	50 U	10 U	10 U	10 U	
Methyl tert-butyl ether	10*	20 U	10 U	10 U	10 U	100 U	10 U	10 U	10 U	50 U	10 U	50 U	10 U	1 J	10 U	
Methyl-2-pentanone, 4-	NE	20 U	10 U	10 U	10 U	100 U	10 U	10 U	10 U	50 U	10 U	50 U	10 U	10 U	10 U	
Methylene chloride	5	20 U	10 U	10 U	10 U	10 J	10 U	10 U	10 U	50 U	10 U	50 U	10 U	10 U	10 U	
Naphthalene	10*	4 J	18	10 U	10 U	100 U	10 U	10 U	10 U	270	300	300	280	2 J	2 J	
Propanol, 2-	NE	1000 U	R	500 U	R	5000 U	500 U	500 U	500 U	2500 U	R	2500 U	R	500 U	R	
Propylbenzene, n-	5	20 U	10 U	10 U	10 U	100 U	10 U	10 U	10 U	50 U	10 U	50 U	1 J	10 U	10 U	
Styrene	5	20 U	10 U	10 U	10 U	100 U	10 U	10 U	10 U	50 U	10 U	50 U	10 U	10 U	10 U	
Tetrachloroethane, 1,1,1,2-	5	20 U	10 U	10 U	10 U	100 U	10 U	10 U	10 U	50 U	10 U	50 U	10 U	10 U	10 U	
Tetrachloroethane, 1,1,2,2-	5	20 U	10 U	10 U	10 U	100 U	10 U	10 U	10 U	50 U	10 U	50 U	10 U	10 U	10 U	
Tetrachloroethene	5	20 U	10 U	10 U	10 U	100 U	10 U	10 U	10 U	50 U	10 U	50 U	2 J	10 U	10 U	
Tetrahydrofuran	50*	20 U	10 U	10 U	10 U	100 U	10 U	10 U	10 U	50 U	10 U	50 U	10 U	10 U	10 U	
Trans-1,2-dichloroethene	5	20 U	10 U	10 U	10 U	100 U	10 U	10 U	10 U	50 U	10 U	50 U	10 U	10 U	10 U	
Trichloro-1,2,2-trifluoroethane, 1,1,2-	5	20 U	10 U	10 U	10 U	100 U	10 U	10 U	10 U	50 U	10 U	50 U	10 U	10 U	10 U	
Trichlorobenzene, 1,2,4-	5	20 U	10 U	10 U	10 U	100 U	10 U	10 U	10 U	50 U	10 U	50 U	10 U	10 U	10 U	
Trichloroethane, 1,1,1-	5	20 U	10 U	10 U	10 U	100 U	10 U	10 U	10 U	50 U	10 U	50 U	10 U	10 U	10 U	
Trichloroethane, 1,1,2-	1	20 U	10 U	10 U	10 U	100 U	10 U	10 U	10 U	50 U	10 U	50 U	10 U	10 U	10 U	
Trichloroethene	5	20 U	10 U	10 U	10 U	100 U	10 U	10 U	10 U	50 U	10 U	50 U	10 U	10 U	10 U	
Trichlorofluoromethane	5	20 U	10 U	10 U	10 U	100 U	10 U	10 U	10 U	50 U	10 U	50 U	10 U	10 U	10 U	
Trimethylbenzene 1,3,5-/P-ethyltoluene	NE	20 U	10 U	10 U	10 U	100 U	10 U	10 U	10 U	12 J	18	50 U	14	10 U	10 U	
Trimethylbenzene, 1,2,4-	5	20 U	2 J	10 U	10 U	100 U	10 U	10 U	10 U	12 J	21	16 J	24	10 U	10 U	
Trimethylpentane, 2,2,4-	NE	20 U	10 U	10 U	10 U	100 U	10 U	10 U	10 U	50 U	10 U	50 U	10 U	10 U	10 U	
Vinyl acetate	NE	20 U	10 U	10 U	10 U	100 U	10 U	10 U	10 U	50 U	10 U	50 U	10 U	10 U	10 U	
Vinyl chloride	2	20 U	10 U	10 U	10 U	100 U	10 U	10 U	10 U	50 U	10 U	50 U	10 U	10 U	10 U	
Non-carcinogenic PAHs (ug/L)																
Acenaphthene	20*	10 U	2 J	10 U	10 U	10 U	10 U	10 U	10 U	55	10 U	30 J	32	10 U	76	
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	190	230	10 U	2 J	
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	100 U	12	10 U	7 J	
Benzo[g,h,i]perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	100 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	50 U	2 J	100 U	2 J	10 U	10	
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 J	10 U	54 J	56	10 U	31	
Methylnaphthalene, 2-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50	10 U	620	710	10 U	74	
Naphthalene	10*	4 J	10	10 U	10 U	10 U	10 U	10 U	10 U	160	10 U	60 J	220	10 U	230	
Phenanthrene	50*	2 J	2 J	10 U	10 U	10 U	10 U	10 U	10 U	27 J	10 U	60 J	67	10 U	64	
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U	4 J	100 U	3 J	10 U	17	
Total Non-carcinogenic PAHs	NE	6	14	ND	ND	ND	ND	ND	ND	312	6	1014	1332	ND	511	
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	50 U	10 U	100 U	10 U	10 U	7 J	
Benzo[a]pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	100 U	10 U	10 U	3 J	
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	100 U	10 U	10 U	2 J	
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	100 U	10 U	10 U	2 J	
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	100 U	10 U	10 U	10	
Dibenz[a,h]anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	100 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	50 U	10 U	100 U	10 U	10 U	10 U	
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	24	
Total PAHs (ug/L)																
Total PAHs	NE	6	14	ND	ND	ND	ND	ND	ND	312	6	1014	1332	ND	535	

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-01I	WCMW-01I	WCMW-01D	WCMW-02S	WCMW-02I	WCMW-02D	WCMW-03S	WCMW-03S	WCMW-03I	WCMW-03I	WCMW-03I2	WCMW-03I2
Screened Interval:		2-12 ft	2-12 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	19.4-24.4 ft	19.4-24.4 ft	28.55-33.55 ft	28.55-33.55 ft
Sample Date:		5/7/2010	6/1/2010	5/5/2010	6/1/2010	5/5/2010	5/6/2010	5/6/2010	5/6/2010	5/5/2010	6/1/2010	5/5/2010	6/1/2010	5/5/2010	6/1/2010
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	50 U	10 U	100 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	50 U	10 U	100 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	50 U	10 U	100 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	50 U	10 U	100 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	50 U	10 U	100 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	50 U	10 U	100 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	50 U	10 U	100 U	1 J	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	50 U	10 U	100 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	50 U	10 U	100 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	50 U	10 U	100 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	50 U	10 U	100 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	50 U	10 U	100 U	10 U	10 U
Dibenzofuran	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	100 U	10	4 J
Dichlorobenzene, 1,2-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	100 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	50 U	10 U	100 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	50 U	10 U	100 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	50 U	10 U	100 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	50 U	10 U	100 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	50 U	10 U	100 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	50 U	10 U	100 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	50 U	10 U	100 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	50 U	10 U	100 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	120 U	25 U	250 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	120 U	25 U	250 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	50 U	10 U	100 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	50 U	10 U	100 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	50 U	10 U	100 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	50 U	10 U	100 U	10 U	10 U
Hexachlorobutadiene	0.5	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	50 U	10 UJ	100 U	10 UJ	10 UJ
Hexachlorocyclopentadiene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	100 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	50 U	10 U	100 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	50 U	10 U	100 U	10 U	10 U
Methylphenol, 2-	1	10 U	4 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	100 U	10 U	10 U
Methylphenol, 4-	1	10 U	7 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	100 U	10 U	7 J
Nitroaniline, 2-	5	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	120 U	25 U	250 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	120 U	25 U	250 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	120 U	25 U	250 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	50 U	10 U	100 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	50 U	10 U	100 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	120 U	25 U	250 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	50 U	10 U	100 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	50 U	10 U	100 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	120 U	25 U	250 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	50 U	10 U	100 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	50 U	10 U	100 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	120 U	25 U	250 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	50 U	10 U	100 U	10 U	10 U
Other (ug/L)															
Sulfate	250000	2590000	NA	66900	NA	6460000	17600	5720	5000 U	6280000	NA	40600	NA	25000	NA
Sulfide	50*	2000 U	NA	2000 U	NA	2000 U	2000 U	2000 U	2000 U	2080	NA	2000 U	NA	2000 U	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	OU4	OU4	OU4	
Sample Name:		WCMW-04S	JP-050310-OU	WCMW-04S	WCMW-04I	WCMW-04I	WCMW-04I2	WCMW-04I2	WCMW-05S	WCMW-05I	WCMW-05I2	WCMW-06S	WCMW-06I	WCMW-06I2	
Screened Interval:		1.6-11.6 ft	1.6-11.6 ft	1.6-11.6 ft	19-24 ft	19-24 ft	29.85-34.85 ft	29.85-34.85 ft	1.15-11.15 ft	19.61-24.61 ft	29.46-34.46 ft	2-12 ft	19.55-24.55 ft	29.83-34.83 ft	
Sample Date:		5/3/2010	5/3/2010	6/1/2010	5/3/2010	6/1/2010	5/3/2010	6/2/2010	5/3/2010	5/3/2010	5/3/2010	5/3/2010	5/10/2010	5/10/2010	5/10/2010
Parent Sample:			WCMW-04S												
BTEX (ug/L)															
Benzene	1	10 U	10 U	1 J	10 U	10 U	10 U	10 U	3 J	10 U	10 U	10 UJ	10 UJ	10 UJ	
Toluene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	
Ethylbenzene	5	10 U	10 U	7 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	
Xylene, m,p-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	
Xylene, o-	5	10 U	10 U	4 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	
Total BTEX	NE	ND	ND	12	ND	ND	ND	ND	3	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 UJ	10 UJ	10 UJ	
Acetone	50*	10	9 J	10 U	2 J	10 U	5 J	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	
Allyl chloride	5	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	
Bromodichloromethane	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	
Bromoform	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	
Bromomethane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	
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 UJ	10 UJ	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 UJ	10 UJ	10 UJ	
Carbon disulfide	60*	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	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 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 UJ	10 UJ	10 UJ	
Chloroethane	5	10 U	10 U	1 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	
Chloroform	7	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	
Chloromethane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 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 UJ	10 UJ	10 UJ	
Cryofluorane	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	
Cyclohexane	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	
Dibromochloromethane	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	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 UJ	10 UJ	10 UJ	
Dichlorobenzene, 1,2-	3	10 U	10 U	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	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 UJ	10 UJ	10 UJ	
Dichlorobenzene, 1,4-	3	10 U	10 U	1 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	
Dichlorodifluoromethane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	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 UJ	10 UJ	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 UJ	10 UJ	10 UJ	
Dichloroethane, 1,1-	0.07	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	
Dichloroethene, cis-1,2-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	
Dichloropropane, 1,2-	1	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	
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 UJ	10 UJ	10 UJ	
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 UJ	10 UJ	10 UJ	
Dioxane, 1,4-	NE	500 U	500 U	R	500 U	R	500 U	R	500 U	500 U	500 U	500 UJ	500 UJ	500 UJ	
Ethanol	NE	500 U	500 U	R	500 U	R	500 U	R	500 U	500 U	500 U	500 UJ	500 UJ	500 UJ	
Heptane, n-	NE	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	
Hexachlorobutadiene	0.5	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	
Hexane, n-	NE	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	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 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:	NYS	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4
Sample Name:	AWQS	WCMW-04S	JP-050310-OU	WCMW-04S	WCMW-04I	WCMW-04I	WCMW-04I2	WCMW-04I2	WCMW-05S	WCMW-05I	WCMW-05I2	WCMW-06S	WCMW-06I	WCMW-06I2
Screened Interval:		1.6-11.6 ft	1.6-11.6 ft	1.6-11.6 ft	19-24 ft	19-24 ft	29.85-34.85 ft	29.85-34.85 ft	1.15-11.15 ft	19.61-24.61 ft	29.46-34.46 ft	2-12 ft	19.55-24.55 ft	29.83-34.83 ft
Sample Date:		5/3/2010	5/3/2010	6/1/2010	5/3/2010	6/1/2010	5/3/2010	6/2/2010	5/3/2010	5/3/2010	5/3/2010	5/10/2010	5/10/2010	5/10/2010
Parent Sample:			WCMW-04S											
Isopropyl benzene	5	10 U	10 U	4 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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	1 J	1 J	1 J	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 UJ	10 UJ	10 UJ
Methylene chloride	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ
Naphthalene	10*	10 U	10 U	77	4 J	9 J	10 U	10 U	10 U	39	1 J	10 UJ	10 UJ	10 UJ
Propanol, 2-	NE	500 U	500 U	R	500 U	R	500 U	R	500 U	500 U	500 U	500 UJ	500 UJ	500 UJ
Propylbenzene, n-	5	10 U	10 U	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	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 UJ	10 UJ	10 UJ
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 UJ	10 UJ	10 UJ
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 UJ	10 UJ	10 UJ
Tetrachloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ
Tetrahydrofuran	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ
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 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 UJ	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 UJ	10 UJ	10 UJ
Trichloroethane, 1,1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ
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 UJ	10 UJ	10 UJ
Trichloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ
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 UJ
Trimethylbenzene 1,3,5-/P-ethyltoluene	NE	10 U	10 U	21	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ
Trimethylbenzene, 1,2,4-	5	10 U	10 U	24	10 U	1 J	10 U	10 U	10 U	2 J	10 U	10 UJ	10 UJ	10 UJ
Trimethylpentane, 2,2,4-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ	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 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 UJ	10 UJ	10 UJ
Non-carcinogenic PAHs (ug/L)														
Acenaphthene	20*	2 J	2 J	94	2 J	3 J	10 U	10 U	7 J	10	10 U	10 UJ	10 UJ	10 UJ
Acenaphthylene	NE	10 U	10 U	32	6 J	6 J	10 U	10 U	10 U	15	10 U	10 UJ	10 UJ	10 UJ
Anthracene	50*	10 U	10 U	3 J	10 U	10 U	10 U	10 U	10 U	8 J	10 U	10 UJ	10 UJ	10 UJ
Benzo[g,h,i]perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J	10 U	10 UJ	10 UJ	10 UJ
Fluorene	50*	10 U	10 U	22	3 J	4 J	10 U	10 U	10 U	24	10 U	10 UJ	10 UJ	10 UJ
Methylnaphthalene, 2-	NE	10 U	10 U	10 U	8 J	7 J	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ
Naphthalene	10*	10 U	10 U	63	2 J	6 J	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ
Phenanthrene	50*	10 U	10 U	13	4 J	4 J	10 U	10 U	10 U	21	10 U	10 UJ	10 UJ	10 UJ
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3 J	10 U	10 UJ	10 UJ	10 UJ
Total Non-carcinogenic PAHs	NE	2	2	227	25	30	ND	ND	7	83	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 UJ	10 UJ	10 UJ
Benzo[a]pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ
Dibenz[a,h]anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)														
Total PAHs	NE	2	2	227	25	30	ND	ND	7	83	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:	NYS AWQS	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	
Sample Name:		WCMW-04S	JP-050310-OU	WCMW-04S	WCMW-04I	WCMW-04I	WCMW-04I2	WCMW-04I2	WCMW-05S	WCMW-05I	WCMW-05I2	WCMW-06S	WCMW-06I	WCMW-06I2	
Screened Interval:		1.6-11.6 ft	1.6-11.6 ft	1.6-11.6 ft	19-24 ft	19-24 ft	29.85-34.85 ft	29.85-34.85 ft	1.15-11.15 ft	19.61-24.61 ft	29.46-34.46 ft	2-12 ft	19.55-24.55 ft	29.83-34.83 ft	
Sample Date:		5/3/2010	5/3/2010	6/1/2010	5/3/2010	6/1/2010	5/3/2010	6/2/2010	5/3/2010	5/3/2010	5/3/2010	5/3/2010	5/10/2010	5/10/2010	5/10/2010
Parent Sample:			WCMW-04S												
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 UJ	10 UJ	10 UJ
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 UJ	10 UJ
Bis(2-ethylhexyl)phthalate	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3 J	10 U	10 U	10 UJ	10 UJ	10 UJ
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 UJ	10 UJ	10 UJ
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 UJ	10 UJ	10 UJ
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 UJ	10 UJ	10 UJ
Carbazole	NE	10 U	10 U	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ
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 UJ	10 UJ	10 UJ
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 UJ	10 UJ	10 UJ
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 UJ	10 UJ	10 UJ
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 UJ	10 UJ	10 UJ
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 UJ	10 UJ	10 UJ
Dibenzofuran	NE	10 U	10 U	4 J	10 U	10 U	10 U	10 U	10 U	10 U	2 J	10 U	10 UJ	10 UJ	10 UJ
Dichlorobenzene, 1,2-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	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 UJ	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 UJ	10 UJ	10 UJ
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 UJ	10 UJ	10 UJ
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 UJ	10 UJ	10 UJ
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 UJ	10 UJ	10 UJ
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 UJ	10 UJ	10 UJ
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 UJ	10 UJ	10 UJ
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 UJ	10 UJ	10 UJ
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 UJ	25 UJ	25 UJ
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 UJ	25 UJ	25 UJ
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 UJ	10 UJ	10 UJ
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 UJ	10 UJ	10 UJ
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 UJ	10 UJ	10 UJ
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 UJ	10 UJ	10 UJ
Hexachlorobutadiene	0.5	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ
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 UJ	10 UJ	10 UJ
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 UJ	10 UJ	10 UJ
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 UJ	10 UJ	10 UJ
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 UJ	10 UJ	10 UJ
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 UJ	10 UJ	10 UJ
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 UJ	25 UJ	25 UJ
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 UJ	25 UJ	25 UJ
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 UJ	25 UJ	25 UJ
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 UJ	10 UJ	10 UJ
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 UJ	10 UJ	10 UJ
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 UJ	25 UJ	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 UJ	10 UJ	10 UJ
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 UJ	10 UJ	10 UJ
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 UJ	25 UJ	25 UJ
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 UJ	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 UJ	10 UJ	10 UJ
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 UJ	25 UJ	25 UJ
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 UJ	10 UJ	10 UJ
Other (ug/L)															
Sulfate	250000	2160000	2140000	NA	83800	NA	132000	NA	3670000	15800	23700	12300 J	11100 J	28900 J	
Sulfide	50*	2000 U	2000 U	NA	2000 U	NA	2000 U	NA	2000 U	2000 U	2000 U	2000 UJ	2000 UJ	2000 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:	NYS AWQS	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4
Sample Name:		WCMW-09S	WCMW-10S	WCMW-10D	WCMW-12S	WCMW-12I	DUP-02 OU4	WCMW-12D	WCMW-13S	WCMW-13I	WCMW-13D	WCMW-14S	WCMW-14S	WCMW-14I	WCMW-14I
Screened Interval:		5-15 ft	15-20 ft	40-50 ft	3-13 ft	25-30 ft	25-30 ft	67-72 ft	3-13 ft	25-30 ft	65-70 ft	2-12 ft	2-12 ft	20-25 ft	20-25 ft
Sample Date:		5/7/2010	5/10/2010	5/10/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/5/2010	6/2/2010	5/5/2010
Parent Sample:							WCMW-12I								
BTEX (ug/L)															
Benzene	1	10 U	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
Toluene	5	10 U	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
Ethylbenzene	5	10 U	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
Xylene, m,p-	5	10 U	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
Xylene, o-	5	10 U	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
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 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	10 UJ	10 UJ	10 U	10 U	10 U	6 J	10 U	10 U	10 U	4 J	10 U	2 J	10 U
Allyl chloride	5	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 UJ
Bromodichloromethane	50*	10 U	10 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
Bromoform	50*	10 U	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 UJ
Bromomethane	5	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U
Butadiene, 1,3-	NE	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 UJ
Butanone, 2-	50*	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U
Carbon disulfide	60*	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 UJ
Carbon tetrachloride	5	10 U	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 UJ
Chlorobenzene	5	10 U	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
Chloroethane	5	10 U	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
Chloroform	7	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U
Chloromethane	5	10 U	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
Chlorotoluene	5	10 U	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
Cryofluorane	NE	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 UJ
Cyclohexane	NE	10 U	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 UJ
Dibromochloromethane	50*	10 U	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
Dibromoethane, 1,2-	0.0006	10 U	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
Dichlorobenzene, 1,2-	3	10 U	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
Dichlorobenzene, 1,3-	3	10 U	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
Dichlorobenzene, 1,4-	3	10 U	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
Dichlorodifluoromethane	5	10 U	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 UJ
Dichloroethane, 1,1-	5	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U
Dichloroethane, 1,2-	0.6	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U
Dichloroethene, 1,1-	0.07	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U
Dichloroethene, cis-1,2-	5	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U
Dichloropropane, 1,2-	1	10 U	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
Dichloropropene, cis-1,3	NE	10 U	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
Dichloropropene, trans-1,3	NE	10 U	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
Dioxane, 1,4-	NE	500 U	500 UJ	500 UJ	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	R	500 U	R
Ethanol	NE	500 U	500 UJ	500 UJ	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	R	500 U	R
Heptane, n-	NE	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 UJ
Hexachlorobutadiene	0.5	10 U	10 UJ	10 UJ	1 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexane, n-	NE	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 J	10 U	1 J
Hexanone, 2-	50*	10 U	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

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-09S	WCMW-10S	WCMW-10D	WCMW-12S	WCMW-12I	DUP-02 OU4	WCMW-12D	WCMW-13S	WCMW-13I	WCMW-13D	WCMW-14S	WCMW-14S	WCMW-14I	WCMW-14I
Screened Interval:		5-15 ft	15-20 ft	40-50 ft	3-13 ft	25-30 ft	25-30 ft	67-72 ft	3-13 ft	25-30 ft	65-70 ft	2-12 ft	2-12 ft	20-25 ft	20-25 ft
Sample Date:		5/7/2010	5/10/2010	5/10/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/5/2010	6/2/2010	5/5/2010
Parent Sample:						WCMW-12I									
Isopropyl benzene	5	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U
Methyl tert-butyl ether	10*	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	1 J	10 U	10 U	10 U	10 U	10 U	10 U
Methyl-2-pentanone, 4-	NE	10 U	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
Methylene chloride	5	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U
Naphthalene	10*	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J	10 UJ	91	62
Propanol, 2-	NE	500 U	500 UJ	500 UJ	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 UJ	500 U	R
Propylbenzene, n-	5	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	1 J	10 U
Styrene	5	10 U	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
Tetrachloroethane, 1,1,1,2-	5	10 U	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
Tetrachloroethane, 1,1,2,2-	5	10 U	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
Tetrachloroethene	5	10 U	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
Tetrahydrofuran	50*	10 U	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
Trans-1,2-dichloroethene	5	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	5	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U
Trichlorobenzene, 1,2,4-	5	10 U	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
Trichloroethane, 1,1,1-	5	10 U	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
Trichloroethane, 1,1,2-	1	10 U	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
Trichloroethene	5	10 U	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
Trichlorofluoromethane	5	10 U	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	NE	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	2 J	1 J
Trimethylbenzene, 1,2,4-	5	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	7 J	4 J
Trimethylpentane, 2,2,4-	NE	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	1 J	10 UJ
Vinyl acetate	NE	10 U	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
Vinyl chloride	2	10 U	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
Non-carcinogenic PAHs (ug/L)															
Acenaphthene	20*	10 U	10 UJ	10 UJ	2 J	10 U	10 U	10 U	10 U	10 U	10 U	3 J	8 J	2 J	10 U
Acenaphthylene	NE	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 J	1 J	3 J	2 J
Anthracene	50*	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	6 J	3 J	3 J	3 J
Benzo[g,h,i]perylene	NE	10 U	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
Fluoranthene	50*	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J	1 J	10 U	1 J
Fluorene	50*	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J	1 J	11	9 J
Methylnaphthalene, 2-	NE	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 J	10 U	62	140
Naphthalene	10*	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	14	42
Phenanthrene	50*	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11	7 J	12	15
Pyrene	50*	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3 J	2 J	2 J	2 J
Total Non-carcinogenic PAHs	NE	ND	ND	ND	2	ND	ND	ND	ND	ND	ND	37	23	109	214
Carcinogenic PAHs (ug/L)															
Benz[a]anthracene	0.002*	10 U	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
Benzo[a]pyrene	ND	10 U	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
Benzo[b]fluoranthene	0.002*	10 U	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
Benzo[k]fluoranthene	0.002*	10 U	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
Chrysene	0.002*	10 U	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
Dibenz[a,h]anthracene	NE	10 U	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
Indeno[1,2,3-cd]pyrene	0.002*	10 U	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
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	2	ND	ND	ND	ND	ND	ND	37	23	109	214

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-09S	WCMW-10S	WCMW-10D	WCMW-12S	WCMW-12I	DUP-02 OU4	WCMW-12D	WCMW-13S	WCMW-13I	WCMW-13D	WCMW-14S	WCMW-14S	WCMW-14I	WCMW-14I
Screened Interval:		5-15 ft	15-20 ft	40-50 ft	3-13 ft	25-30 ft	25-30 ft	67-72 ft	3-13 ft	25-30 ft	65-70 ft	2-12 ft	2-12 ft	20-25 ft	20-25 ft
Sample Date:		5/7/2010	5/10/2010	5/10/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/5/2010	6/2/2010	5/5/2010	6/2/2010
Parent Sample:							WCMW-12I								
Other SVOCs (ug/L)															
Bis(2-chloroethoxy)methane	5	10 U	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
Bis(2-chloroethyl)ether	1	10 U	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
Bis(2-ethylhexyl)phthalate	5	10 U	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
Bis(chloroisopropyl)ether	5	10 U	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
Bromophenyl phenyl ether, 4-	NE	10 U	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
Butyl benzyl phthalate	50*	10 U	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
Carbazole	NE	10 U	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
Chloro-3-methylphenol, 4-	NE	10 U	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
Chloroaniline, 4-	5	10 U	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
Chloronaphthalene, 2-	10*	10 U	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
Chlorophenol, 2-	NE	10 U	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
Chlorophenyl phenyl ether, 4-	NE	10 U	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
Dibenzofuran	NE	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 J	10 U	5 J	5 J
Dichlorobenzene, 1,2-	3	10 U	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
Dichlorobenzene, 1,3-	3	10 U	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
Dichlorobenzene, 1,4-	3	10 U	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
Dichlorobenzidine, 3,3-	5	10 U	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
Dichlorophenol, 2,4-	5	10 U	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
Diethyl phthalate	50*	10 U	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
Dimethyl phthalate	50*	10 U	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
Dimethylphenol, 2,4-	50*	10 U	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
Di-n-butyl phthalate	50	10 U	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
Dinitro-2-methylphenol, 4,6-	NE	25 U	25 UJ	25 UJ	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 UJ	25 UJ	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 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
Dinitrotoluene, 2,6-	5	10 U	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
Di-n-octyl phthalate	50*	10 U	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
Hexachlorobenzene	0.04	10 U	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 U	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
Hexachlorocyclopentadiene	5	10 U	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
Hexachloroethane	5	10 U	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
Isophorone	50*	10 U	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
Methylphenol, 2-	1	10 U	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
Methylphenol, 4-	1	10 U	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
Nitroaniline, 2-	5	25 U	25 UJ	25 UJ	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 UJ	25 UJ	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 UJ	25 UJ	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 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
Nitrophenol, 2-	NE	10 U	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
Nitrophenol, 4-	NE	25 U	25 UJ	25 UJ	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 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
Nitrosodiphenylamine, N-	50*	10 U	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
Pentachlorophenol	1	25 U	25 UJ	25 UJ	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 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
Trichlorobenzene, 1,2,4-	5	10 U	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
Trichlorophenol, 2,4,5-	NE	25 U	25 UJ	25 UJ	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 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
Other (ug/L)															
Sulfate	250000	NA	19000 J	37800 J	NA	NA	NA	NA	NA	NA	NA	83700	NA	40300	NA
Sulfide	50*	2000 U	2000 UJ	2000 UJ	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	NA	2000 U	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	OU4	OU4	OU4	OU4
Sample Name:		DUP-OU4 Q2	WCMW-14I2	WCMW-14I2	WCMW-14D	WCMW-16S	WCMW-16S	WCMW-16I	WCMW-16I	WCMW-16I2	WCMW-16I2	WCMW-17S	WCMW-17S	WCMW-17I	WCMW-17I
Screened Interval:		20-25 ft	30-35 ft	30-35 ft	67-72 ft	2-12 ft	2-12 ft	20-25 ft	20-25 ft	30-35 ft	30-35 ft	2-12 ft	2-12 ft	20-25 ft	20-25 ft
Sample Date:		6/2/2010	5/5/2010	6/2/2010	5/5/2010	5/4/2010	6/1/2010	5/4/2010	6/1/2010	5/4/2010	6/1/2010	5/4/2010	6/1/2010	5/4/2010	6/1/2010
Parent Sample:	WCMW-14I														
BTEX (ug/L)															
Benzene	1	10 U	10 U	10 U	10 U	10 UJ	50 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Toluene	5	10 U	10 U	10 U	10 U	2 J	50 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Ethylbenzene	5	10 U	10 U	10 U	10 U	10 UJ	50 U	10 UJ	10 U	10 UJ	10 U	10 UJ	1 J	10 UJ	10 U
Xylene, m,p-	5	10 U	10 U	10 U	10 U	10 UJ	50 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	3 J	1 J
Xylene, o-	5	10 U	10 U	10 U	10 U	10 UJ	50 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	2 J	10 U
Total BTEX	NE	ND	ND	ND	ND	2	ND	ND	ND	ND	ND	ND	1	5	1
Other VOCs (ug/L)															
Acetaldehyde	8*	10 U	10 U	10 U	10 U	10 UJ	50 U	10 UJ	10 U	10 UJ	10 U	12 J	10 U	10 UJ	10 U
Acetone	50*	10 U	5 J	10 U	4 J	72 J	89	3 J	10 U	10 UJ	10 U	120 J	62	100 J	36
Allyl chloride	5	10 UJ	10 U	10 UJ	10 U	10 UJ	50 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Bromodichloromethane	50*	10 U	10 U	10 U	10 U	10 UJ	50 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Bromoform	50*	10 UJ	10 U	10 U	10 U	10 UJ	50 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Bromomethane	5	10 U	10 U	10 UJ	10 U	10 UJ	50 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Butadiene, 1,3-	NE	10 UJ	10 U	10 UJ	10 U	10 UJ	50 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Butanone, 2-	50*	10 U	10 U	10 UJ	10 U	2 J	50 U	10 UJ	10 U	10 UJ	10 U	5 J	5 J	4 J	4 J
Carbon disulfide	60*	10 UJ	10 U	10 UJ	10 U	16 J	50 U	10 UJ	10 U	10 UJ	10 U	23	16	5 J	2 J
Carbon tetrachloride	5	10 UJ	10 U	10 U	10 U	10 UJ	50 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 UJ	50 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Chloroethane	5	10 U	10 U	10 U	10 U	10 UJ	50 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Chloroform	7	10 U	10 U	10 UJ	10 U	10 UJ	50 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Chloromethane	5	10 U	10 U	10 U	10 U	10 UJ	50 U	10 UJ	10 U	10 UJ	10 U	3 J	10 U	10 UJ	10 U
Chlorotoluene	5	10 U	10 U	10 U	10 U	10 UJ	50 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Cryofluorane	NE	10 UJ	10 U	10 UJ	10 U	10 UJ	50 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Cyclohexane	NE	10 UJ	10 U	10 U	10 U	10 UJ	50 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Dibromochloromethane	50*	10 U	10 U	10 U	10 U	10 UJ	50 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Dibromoethane, 1,2-	0.0006	10 U	10 U	10 U	10 U	10 UJ	50 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Dichlorobenzene, 1,2-	3	10 U	10 U	10 U	10 U	10 UJ	50 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Dichlorobenzene, 1,3-	3	10 U	10 U	10 U	10 U	10 UJ	50 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Dichlorobenzene, 1,4-	3	10 U	10 U	10 U	10 U	10 UJ	50 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Dichlorodifluoromethane	5	10 UJ	10 U	10 U	10 U	10 UJ	50 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Dichloroethane, 1,1-	5	10 U	10 U	10 UJ	10 U	10 UJ	50 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Dichloroethane, 1,2-	0.6	10 U	10 U	10 UJ	10 U	10 UJ	50 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Dichloroethene, 1,1-	0.07	10 U	10 U	10 UJ	10 U	10 UJ	50 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Dichloroethene, cis-1,2-	5	10 U	10 U	10 UJ	10 U	10 UJ	50 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Dichloropropane, 1,2-	1	10 U	10 U	10 U	10 U	10 UJ	50 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Dichloropropene, cis-1,3	NE	10 U	10 U	10 U	10 U	10 UJ	50 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Dichloropropene, trans-1,3	NE	10 U	10 U	10 U	10 U	10 UJ	50 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Dioxane, 1,4-	NE	R	500 U	R	500 U	500 UJ	R	500 UJ	R	500 UJ	R	500 UJ	R	500 UJ	R
Ethanol	NE	R	500 U	R	500 U	500 UJ	R	500 UJ	R	500 UJ	R	500 UJ	R	500 UJ	R
Heptane, n-	NE	10 UJ	10 U	10 UJ	10 U	10 UJ	50 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Hexachlorobutadiene	0.5	10 U	10 U	10 U	10 U	10 UJ	50 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Hexane, n-	NE	1 J	10 U	10 U	10 U	2 J	50 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Hexanone, 2-	50*	10 U	10 U	10 U	10 U	10 UJ	50 U	10 UJ	10 U	10 UJ	10 U	10 UJ	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:		OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	
Sample Name:	NYS	DUP-OU4 Q2	WCMW-14I2	WCMW-14I2	WCMW-14D	WCMW-16S	WCMW-16S	WCMW-16I	WCMW-16I	WCMW-16I2	WCMW-16I2	WCMW-17S	WCMW-17S	WCMW-17I	WCMW-17I	
Screened Interval:	AWQS	20-25 ft	30-35 ft	30-35 ft	67-72 ft	2-12 ft	2-12 ft	20-25 ft	20-25 ft	30-35 ft	30-35 ft	2-12 ft	2-12 ft	20-25 ft	20-25 ft	
Sample Date:		6/2/2010	5/5/2010	6/2/2010	5/5/2010	5/4/2010	6/1/2010	5/4/2010	6/1/2010	5/4/2010	6/1/2010	5/4/2010	6/1/2010	5/4/2010	6/1/2010	
Parent Sample:		WCMW-14I														
Isopropyl benzene	5	10 U	10 U	10 UJ	10 U	10 UJ	50 U	10 UJ	10 U	10 UJ	10 U	10 UJ	1 J	10 UJ	1 J	
Methyl tert-butyl ether	10*	10 U	22	26	10 U	1 J	50 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Methyl-2-pentanone, 4-	NE	10 U	10 U	10 U	10 U	10 UJ	50 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Methylene chloride	5	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Naphthalene	10*	64	10 U	5 J	2 J	10 UJ	19 J	10 UJ	10 U	10 UJ	10 U	29 J	30	150 J	140	
Propanol, 2-	NE	R	500 U	500 UJ	500 U	500 UJ	R	500 UJ	R	500 UJ	R	500 UJ	R	32 J	R	
Propylbenzene, n-	5	10 U	10 U	10 UJ	10 U	10 UJ	50 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Styrene	5	10 U	10 U	10 U	10 U	10 UJ	50 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Tetrachloroethane, 1,1,1,2-	5	10 U	10 U	10 U	10 U	10 UJ	50 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Tetrachloroethane, 1,1,2,2-	5	10 U	10 U	10 U	10 U	10 UJ	50 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Tetrachloroethene	5	10 U	10 U	10 U	10 U	10 UJ	50 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Tetrahydrofuran	50*	10 U	10 U	10 U	10 U	10 UJ	50 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Trans-1,2-dichloroethene	5	10 U	10 U	10 UJ	10 U	10 UJ	50 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Trichloro-1,2,2-trifluoroethane, 1,1,2-	5	10 U	10 U	10 UJ	10 U	10 UJ	50 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Trichlorobenzene, 1,2,4-	5	10 U	10 U	10 U	10 U	10 UJ	50 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Trichloroethane, 1,1,1-	5	10 U	10 U	10 U	10 U	10 UJ	50 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Trichloroethane, 1,1,2-	1	10 U	10 U	10 U	10 U	10 UJ	50 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Trichloroethene	5	10 U	10 U	10 U	10 U	10 UJ	50 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Trichlorofluoromethane	5	10 U	10 U	10 U	10 U	10 UJ	50 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Trimethylbenzene 1,3,5-/P-ethyltoluene	NE	2 J	10 U	10 UJ	10 U	10 UJ	50 U	10 UJ	10 U	10 UJ	10 U	6 J	8 J	6 J	11	
Trimethylbenzene, 1,2,4-	5	4 J	10 U	10 UJ	10 U	10 UJ	50 U	10 UJ	10 U	10 UJ	10 U	9 J	12	5 J	8 J	
Trimethylpentane, 2,2,4-	NE	10 UJ	1 J	3 J	10 U	10 UJ	50 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Vinyl acetate	NE	10 U	10 U	10 U	10 U	10 UJ	50 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Vinyl chloride	2	10 U	10 U	10 U	10 U	10 UJ	50 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Non-carcinogenic PAHs (ug/L)																
Acenaphthene	20*	10 U	10 U	10 U	10 U	6 J	6 J	10 UJ	10 U	10 UJ	10 U	140 J	170	40	51	
Acenaphthylene	NE	2 J	10 U	10 U	10 U	50 UJ	10 U	10 UJ	10 U	10 UJ	10 U	16	16	6 J	10	
Anthracene	50*	3 J	10 U	10 U	10 U	9 J	8 J	10 UJ	10 U	10 UJ	10 U	5 J	7 J	4 J	5 J	
Benzo[g,h,i]perylene	NE	10 U	10 U	10 U	10 U	50 UJ	2 J	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Fluoranthene	50*	10 U	10 U	10 U	10 U	52 J	40	10 UJ	10 U	10 UJ	10 U	3 J	3 J	10 UJ	10 U	
Fluorene	50*	9 J	10 U	2 J	10 U	50 UJ	9 J	10 UJ	10 U	10 UJ	10 U	34	45	43	52	
Methylnaphthalene, 2-	NE	130	3 J	18	10 U	50 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	2 J	24	
Naphthalene	10*	40	10 U	3 J	10 U	50 UJ	10 U	10 UJ	10 U	10 UJ	10 U	17	21	2 J	96	
Phenanthrene	50*	15	2 J	2 J	10 U	120 J	120	7 J	6 J	7 J	10	51	73	76	100	
Pyrene	50*	2 J	10 U	10 U	10 U	68 J	70	10 UJ	10 U	10 UJ	10 U	3 J	4 J	10 UJ	10 U	
Total Non-carcinogenic PAHs	NE	201	5	25	ND	255	255	7	6	7	10	269	339	173	338	
Carcinogenic PAHs (ug/L)																
Benz[a]anthracene	0.002*	10 U	10 U	10 U	10 U	27 J	25	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Benzo[a]pyrene	ND	10 U	10 U	10 U	10 U	6 J	5 J	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	8 J	6 J	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	8 J	12 J	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Chrysene	0.002*	10 U	10 U	10 U	10 U	32 J	33	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Dibenz[a,h]anthracene	NE	10 U	10 U	10 U	10 U	50 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	50 UJ	1 J	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	81	82	ND	ND	ND	ND	ND	ND	ND	ND	
Total PAHs (ug/L)																
Total PAHs	NE	201	5	25	ND	336	337	7	6	7	10	269	339	173	338	

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-OU4 Q2	WCMW-14I2	WCMW-14I2	WCMW-14D	WCMW-16S	WCMW-16S	WCMW-16I	WCMW-16I	WCMW-16I2	WCMW-16I2	WCMW-17S	WCMW-17S	WCMW-17I	WCMW-17I	
Screened Interval:	AWQS	20-25 ft	30-35 ft	30-35 ft	67-72 ft	2-12 ft	2-12 ft	20-25 ft	20-25 ft	30-35 ft	30-35 ft	2-12 ft	2-12 ft	20-25 ft	20-25 ft	
Sample Date:		6/2/2010	5/5/2010	6/2/2010	5/5/2010	5/4/2010	6/1/2010	5/4/2010	6/1/2010	5/4/2010	6/1/2010	5/4/2010	6/1/2010	5/4/2010	6/1/2010	
Parent Sample:		WCMW-14I														
Other SVOCs (ug/L)																
Bis(2-chloroethoxy)methane	5	10 U	10 U	10 U	10 U	50 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Bis(2-chloroethyl)ether	1	10 U	10 U	10 U	10 U	50 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Bis(2-ethylhexyl)phthalate	5	10 U	10 U	10 U	10 U	50 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Bis(chloroisopropyl)ether	5	10 U	10 U	10 U	10 U	50 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Bromophenyl phenyl ether, 4-	NE	10 U	10 U	10 U	10 U	50 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Butyl benzyl phthalate	50*	10 U	10 U	10 U	10 U	50 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Carbazole	NE	10 U	10 U	10 U	10 U	50 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Chloro-3-methylphenol, 4-	NE	10 U	10 U	10 U	10 U	50 UJ	R	10 UJ	10 U	10 UJ	10 U	10 UJ	R	R	R	
Chloroaniline, 4-	5	10 U	10 U	10 U	10 U	50 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Chloronaphthalene, 2-	10*	10 U	10 U	10 U	10 U	50 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Chlorophenol, 2-	NE	10 U	10 U	10 U	10 U	50 UJ	R	10 UJ	10 U	10 UJ	10 U	10 UJ	R	R	R	
Chlorophenyl phenyl ether, 4-	NE	10 U	10 U	10 U	10 U	50 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Dibenzofuran	NE	5 J	10 U	10 U	10 U	50 UJ	2 J	10 UJ	10 U	10 UJ	10 U	8 J	11	9 J	10	
Dichlorobenzene, 1,2-	3	10 U	10 U	10 U	10 U	50 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Dichlorobenzene, 1,3-	3	10 U	10 U	10 U	10 U	50 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Dichlorobenzene, 1,4-	3	10 U	10 U	10 U	10 U	50 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Dichlorobenzidine, 3,3-	5	10 U	10 U	10 U	10 U	50 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Dichlorophenol, 2,4-	5	10 U	10 U	10 U	10 U	50 UJ	R	10 UJ	10 U	10 UJ	10 U	10 UJ	R	R	R	
Diethyl phthalate	50*	10 U	10 U	10 U	10 U	50 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Dimethyl phthalate	50*	10 U	10 U	10 U	10 U	50 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Dimethylphenol, 2,4-	50*	10 U	10 U	10 U	10 U	50 UJ	R	10 UJ	10 U	10 UJ	10 U	10 UJ	R	R	R	
Di-n-butyl phthalate	50	10 U	10 U	10 U	10 U	50 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Dinitro-2-methylphenol, 4,6-	NE	25 U	25 U	25 U	25 U	120 UJ	R	25 UJ	25 U	25 UJ	25 U	25 UJ	R	25 UJ	R	
Dinitrophenol, 2,4-	10*	25 U	25 U	25 U	25 U	120 UJ	R	25 UJ	25 U	25 UJ	25 U	25 UJ	R	R	R	
Dinitrotoluene, 2,4-	5	10 U	10 U	10 U	10 U	50 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Dinitrotoluene, 2,6-	5	10 U	10 U	10 U	10 U	50 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Di-n-octyl phthalate	50*	10 U	10 U	10 U	10 U	50 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Hexachlorobenzene	0.04	10 U	10 U	10 U	10 U	50 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Hexachlorobutadiene	0.5	10 U	10 U	10 U	10 U	50 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	
Hexachlorocyclopentadiene	5	10 U	10 U	10 U	10 U	50 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Hexachloroethane	5	10 U	10 U	10 U	10 U	50 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Isophorone	50*	10 U	10 U	10 U	10 U	50 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Methylphenol, 2-	1	10 U	10 U	10 U	10 U	50 UJ	R	10 UJ	10 U	10 UJ	10 U	10 UJ	R	R	R	
Methylphenol, 4-	1	10 U	10 U	10 U	10 U	50 UJ	R	10 UJ	10 U	10 UJ	10 UJ	10 UJ	R	R	R	
Nitroaniline, 2-	5	25 U	25 U	25 U	25 U	120 UJ	25 U	25 UJ	25 U	25 UJ	25 U	25 UJ	25 U	25 UJ	25 U	
Nitroaniline, 3-	5	25 U	25 U	25 U	25 U	120 UJ	25 U	25 UJ	25 U	25 UJ	25 U	25 UJ	25 U	25 UJ	25 U	
Nitroaniline, 4-	5	25 U	25 U	25 U	25 U	120 UJ	25 U	25 UJ	25 U	25 UJ	25 U	25 UJ	25 U	25 UJ	25 U	
Nitrobenzene	0.4	10 U	10 U	10 U	10 U	50 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Nitrophenol, 2-	NE	10 U	10 U	10 U	10 U	50 UJ	R	10 UJ	10 U	10 UJ	10 U	10 UJ	R	R	R	
Nitrophenol, 4-	NE	25 U	25 U	25 U	25 U	120 UJ	R	25 UJ	25 U	25 UJ	25 U	25 UJ	R	R	R	
Nitrosodi-n-propylamine, N-	NE	10 U	10 U	10 U	10 U	50 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Nitrosodiphenylamine, N-	50*	10 U	10 U	10 U	10 U	50 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Pentachlorophenol	1	25 U	25 U	25 U	25 U	120 UJ	R	25 UJ	25 U	25 UJ	25 U	25 UJ	R	R	R	
Phenol	1	10 U	10 U	10 U	10 U	50 UJ	R	10 UJ	10 U	10 UJ	10 U	10 UJ	R	R	R	
Trichlorobenzene, 1,2,4-	5	10 U	10 U	10 U	10 U	50 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Trichlorophenol, 2,4,5-	NE	25 U	25 U	25 U	25 U	120 UJ	R	25 UJ	25 U	25 UJ	25 U	25 UJ	R	R	R	
Trichlorophenol, 2,4,6-	NE	10 U	10 U	10 U	10 U	50 UJ	R	10 UJ	10 U	10 UJ	10 U	10 UJ	R	R	R	
Other (ug/L)																
Sulfate	250000	NA	90500	NA	6840	162000 J	NA	5000 UJ	NA	23300 J	NA	773000 J	NA	382000 J	NA	
Sulfide	50*	NA	2000 U	NA	2000 U	2000 UJ	NA	2000 UJ	NA	2000 UJ	NA	2000 UJ	NA	2000 UJ	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	OU4	OU4	OU4	OU4	
Sample Name:		WCMW-17I2	WCMW-17I2	WCMW-18WT	WCMW-18S	WCMW-18I	WCMW-18I2	WCMW-19S	WCMW-19I	WCMW-19I2	WCMW-20S	WCMW-20I	WCMW-20I2	WCMW-21S	DUP-03 OU4	
Screened Interval:		30-35 ft	30-35 ft	2-7 ft	2-12 ft	20-25 ft	30-35 ft	2-12 ft	20-25 ft	30-35 ft	2-12 ft	20-25 ft	30-35 ft	2-12 ft	2-12 ft	
Sample Date:		5/4/2010	6/1/2010	5/3/2010	5/3/2010	5/4/2010	5/4/2010	5/4/2010	5/4/2010	5/4/2010	5/4/2010	5/11/2010	5/4/2010	5/11/2010	5/7/2010	5/7/2010
Parent Sample:																WCMW-21S
BTEX (ug/L)																
Benzene	1	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Toluene	5	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Ethylbenzene	5	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Xylene, m,p-	5	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Xylene, o-	5	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	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 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Acetone	50*	7 J	10 U	10 U	10 U	10 UJ	10 UJ	2 J	1 J	10 UJ	10 U	2 J	10 U	1 J	1 J	
Allyl chloride	5	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Bromodichloromethane	50*	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Bromoform	50*	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Bromomethane	5	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Butadiene, 1,3-	NE	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Butanone, 2-	50*	10 UJ	1 J	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Carbon disulfide	60*	10 UJ	2 J	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Carbon tetrachloride	5	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Chlorobenzene	5	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Chloroethane	5	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Chloroform	7	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Chloromethane	5	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Chlorotoluene	5	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Cryofluorane	NE	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Cyclohexane	NE	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Dibromochloromethane	50*	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Dibromoethane, 1,2-	0.0006	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Dichlorobenzene, 1,2-	3	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Dichlorobenzene, 1,3-	3	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Dichlorobenzene, 1,4-	3	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Dichlorodifluoromethane	5	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Dichloroethane, 1,1-	5	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Dichloroethane, 1,2-	0.6	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Dichloroethene, 1,1-	0.07	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Dichloroethene, cis-1,2-	5	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Dichloropropane, 1,2-	1	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Dichloropropene, cis-1,3	NE	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Dichloropropene, trans-1,3	NE	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Dioxane, 1,4-	NE	500 UJ	R	500 U	500 U	500 UJ	500 UJ	500 UJ	500 UJ	500 UJ	500 U	500 UJ	500 U	500 U	500 U	
Ethanol	NE	500 UJ	R	500 U	500 U	500 UJ	500 UJ	500 UJ	500 UJ	500 UJ	500 U	500 UJ	500 U	500 U	500 U	
Heptane, n-	NE	10 UJ	10 UJ	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Hexachlorobutadiene	0.5	10 UJ	10 UJ	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Hexane, n-	NE	10 UJ	10 UJ	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Hexanone, 2-	50*	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	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	WCMW-17I2	WCMW-17I2	WCMW-18WT	WCMW-18S	WCMW-18I	WCMW-18I2	WCMW-19S	WCMW-19I	WCMW-19I2	WCMW-20S	WCMW-20I	WCMW-20I2	WCMW-21S	DUP-03 OU4
Screened Interval:	AWQS	30-35 ft	30-35 ft	2-7 ft	2-12 ft	20-25 ft	30-35 ft	2-12 ft	20-25 ft	30-35 ft	2-12 ft	20-25 ft	30-35 ft	2-12 ft	2-12 ft
Sample Date:		5/4/2010	6/1/2010	5/3/2010	5/3/2010	5/4/2010	5/4/2010	5/4/2010	5/4/2010	5/4/2010	5/11/2010	5/4/2010	5/11/2010	5/7/2010	5/7/2010
Parent Sample:															WCMW-21S
Isopropyl benzene	5	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U
Methyl tert-butyl ether	10*	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U
Methyl-2-pentanone, 4-	NE	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U
Methylene chloride	5	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U
Naphthalene	10*	2 J	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U
Propanol, 2-	NE	500 UJ	R	500 U	500 U	500 UJ	500 UJ	500 UJ	500 UJ	500 UJ	500 U	500 UJ	500 U	500 U	500 U
Propylbenzene, n-	5	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U
Styrene	5	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U
Tetrachloroethane, 1,1,1,2-	5	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U
Tetrachloroethane, 1,1,2,2-	5	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U
Tetrachloroethene	5	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U
Tetrahydrofuran	50*	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U
Trans-1,2-dichloroethene	5	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	5	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U
Trichlorobenzene, 1,2,4-	5	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U
Trichloroethane, 1,1,1-	5	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U
Trichloroethane, 1,1,2-	1	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U
Trichloroethene	5	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U
Trichlorofluoromethane	5	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U
Trimethylbenzene 1,3,5-/P-ethyltoluene	NE	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U
Trimethylbenzene, 1,2,4-	5	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U
Trimethylpentane, 2,2,4-	NE	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U
Vinyl acetate	NE	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U
Vinyl chloride	2	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U
Non-carcinogenic PAHs (ug/L)															
Acenaphthene	20*	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U
Acenaphthylene	NE	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U
Anthracene	50*	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U
Benzo[g,h,i]perylene	NE	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U
Fluoranthene	50*	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U
Fluorene	50*	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U
Methylnaphthalene, 2-	NE	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U
Naphthalene	10*	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U
Phenanthrene	50*	12 J	12	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U
Pyrene	50*	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U
Total Non-carcinogenic PAHs	NE	12	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carcinogenic PAHs (ug/L)															
Benz[a]anthracene	0.002*	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U
Benzo[a]pyrene	ND	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U
Chrysene	0.002*	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U
Dibenz[a,h]anthracene	NE	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	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	12	12	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:	NYS AWQS	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	
Sample Name:		WCMW-1712	WCMW-1712	WCMW-18WT	WCMW-18S	WCMW-18I	WCMW-18I2	WCMW-19S	WCMW-19I	WCMW-19I2	WCMW-20S	WCMW-20I	WCMW-20I2	WCMW-21S	DUP-03 OU4	
Screened Interval:		30-35 ft	30-35 ft	2-7 ft	2-12 ft	20-25 ft	30-35 ft	2-12 ft	20-25 ft	30-35 ft	2-12 ft	20-25 ft	30-35 ft	2-12 ft	2-12 ft	
Sample Date:		5/4/2010	6/1/2010	5/3/2010	5/3/2010	5/4/2010	5/4/2010	5/4/2010	5/4/2010	5/4/2010	5/4/2010	5/11/2010	5/4/2010	5/11/2010	5/7/2010	5/7/2010
Parent Sample:																WCMW-21S
Other SVOCs (ug/L)																
Bis(2-chloroethoxy)methane	5	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Bis(2-chloroethyl)ether	1	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Bis(2-ethylhexyl)phthalate	5	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Bis(chloroisopropyl)ether	5	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Bromophenyl phenyl ether, 4-	NE	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Butyl benzyl phthalate	50*	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Carbazole	NE	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Chloro-3-methylphenol, 4-	NE	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Chloroaniline, 4-	5	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Chloronaphthalene, 2-	10*	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Chlorophenol, 2-	NE	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Chlorophenyl phenyl ether, 4-	NE	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Dibenzofuran	NE	1 J	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Dichlorobenzene, 1,2-	3	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Dichlorobenzene, 1,3-	3	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Dichlorobenzene, 1,4-	3	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Dichlorobenzidine, 3,3-	5	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Dichlorophenol, 2,4-	5	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Diethyl phthalate	50*	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Dimethyl phthalate	50*	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Dimethylphenol, 2,4-	50*	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Di-n-butyl phthalate	50	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Dinitro-2-methylphenol, 4,6-	NE	25 UJ	25 U	25 U	25 U	25 UJ	25 UJ	25 UJ	25 UJ	25 UJ	25 U	25 UJ	25 U	25 U	25 U	
Dinitrophenol, 2,4-	10*	25 UJ	25 U	25 U	25 U	25 UJ	25 UJ	25 UJ	25 UJ	25 UJ	25 U	25 UJ	25 U	25 U	25 U	
Dinitrotoluene, 2,4-	5	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Dinitrotoluene, 2,6-	5	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Di-n-octyl phthalate	50*	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Hexachlorobenzene	0.04	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Hexachlorobutadiene	0.5	10 UJ	10 UJ	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Hexachlorocyclopentadiene	5	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Hexachloroethane	5	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Isophorone	50*	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Methylphenol, 2-	1	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Methylphenol, 4-	1	10 UJ	10 UJ	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Nitroaniline, 2-	5	25 UJ	25 U	25 U	25 U	25 UJ	25 UJ	25 UJ	25 UJ	25 UJ	25 U	25 UJ	25 U	25 U	25 U	
Nitroaniline, 3-	5	25 UJ	25 U	25 U	25 U	25 UJ	25 UJ	25 UJ	25 UJ	25 UJ	25 U	25 UJ	25 U	25 U	25 U	
Nitroaniline, 4-	5	25 UJ	25 U	25 U	25 U	25 UJ	25 UJ	25 UJ	25 UJ	25 UJ	25 U	25 UJ	25 U	25 U	25 U	
Nitrobenzene	0.4	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Nitrophenol, 2-	NE	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Nitrophenol, 4-	NE	25 UJ	25 U	25 U	25 U	25 UJ	25 UJ	25 UJ	25 UJ	25 UJ	25 U	25 UJ	25 U	25 U	25 U	
Nitrosodi-n-propylamine, N-	NE	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Nitrosodiphenylamine, N-	50*	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Pentachlorophenol	1	25 UJ	25 U	25 U	25 U	25 UJ	25 UJ	25 UJ	25 UJ	25 UJ	25 U	25 UJ	25 U	25 U	25 U	
Phenol	1	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Trichlorobenzene, 1,2,4-	5	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Trichlorophenol, 2,4,5-	NE	25 UJ	25 U	25 U	25 U	25 UJ	25 UJ	25 UJ	25 UJ	25 UJ	25 U	25 UJ	25 U	25 U	25 U	
Trichlorophenol, 2,4,6-	NE	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	
Other (ug/L)																
Sulfate	250000	175000 J	NA	46400	16300	24600 J	22500 J	14300 J	17700 J	22500 J	NA	NA	NA	NA	NA	
Sulfide	50*	2000 UJ	NA	2000 U	2000 U	2000 UJ	2000 UJ	2000 UJ	2000 UJ	2000 UJ	2000 U	2000 UJ	2000 U	2000 U	2000 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-211	WCMW-2112	WCMW-25I	WCMW-25D	WCMW-27S	WCMW-27S	DUP-01 OU4	WCMW-27I	WCMW-27I	WCMW-28S	WCMW-28S	WCMW-28I	WCMW-28I
Screened Interval:		20-25 ft	30-35 ft	30-35 ft	55-60 ft	2-12 ft	2-12 ft	2-12 ft	20-25 ft	20-25 ft	2-12 ft	2-12 ft	20-25 ft	20-25 ft
Sample Date:		5/10/2010	5/10/2010	5/5/2010	5/5/2010	5/10/2010	6/1/2010	6/1/2010	5/10/2010	6/1/2010	5/10/2010	6/1/2010	5/10/2010	6/1/2010
Parent Sample:								WCMW-27S						
BTEX (ug/L)														
Benzene	1	10 UJ	10 UJ	10 U	100 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Toluene	5	10 UJ	10 UJ	10 U	100 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Ethylbenzene	5	10 UJ	10 UJ	10 U	100 U	12 J	16	16	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Xylene, m,p-	5	10 UJ	10 UJ	10 U	100 U	4 J	6 J	6 J	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Xylene, o-	5	10 UJ	10 UJ	10 U	100 U	5 J	7 J	7 J	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Total BTEX	NE	ND	ND	ND	ND	21	29	29	ND	ND	ND	ND	ND	ND
Other VOCs (ug/L)														
Acetaldehyde	8*	10 UJ	10 UJ	10 U	330	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Acetone	50*	10 UJ	10 UJ	18	920	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Allyl chloride	5	10 UJ	10 UJ	10 U	100 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Bromodichloromethane	50*	10 UJ	10 UJ	10 U	100 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Bromoform	50*	10 UJ	10 UJ	10 U	100 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Bromomethane	5	10 UJ	10 UJ	10 U	100 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Butadiene, 1,3-	NE	10 UJ	10 UJ	10 U	100 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Butanone, 2-	50*	10 UJ	10 UJ	10 U	32 J	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Carbon disulfide	60*	10 UJ	10 UJ	10 U	100 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Carbon tetrachloride	5	10 UJ	10 UJ	10 U	100 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Chlorobenzene	5	10 UJ	10 UJ	10 U	100 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Chloroethane	5	10 UJ	10 UJ	10 U	100 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Chloroform	7	10 UJ	10 UJ	10 U	100 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Chloromethane	5	10 UJ	10 UJ	10 U	390	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Chlorotoluene	5	10 UJ	10 UJ	10 U	100 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Cryofluorane	NE	10 UJ	10 UJ	10 U	100 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Cyclohexane	NE	10 UJ	10 UJ	10 U	100 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Dibromochloromethane	50*	10 UJ	10 UJ	10 U	100 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Dibromoethane, 1,2-	0.0006	10 UJ	10 UJ	10 U	100 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Dichlorobenzene, 1,2-	3	10 UJ	10 UJ	10 U	100 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Dichlorobenzene, 1,3-	3	10 UJ	10 UJ	10 U	100 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Dichlorobenzene, 1,4-	3	10 UJ	10 UJ	10 U	100 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Dichlorodifluoromethane	5	10 UJ	10 UJ	10 U	100 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Dichloroethane, 1,1-	5	10 UJ	10 UJ	10 U	100 U	1 J	1 J	1 J	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Dichloroethane, 1,2-	0.6	10 UJ	10 UJ	10 U	100 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Dichloroethene, 1,1-	0.07	10 UJ	10 UJ	10 U	100 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Dichloroethene, cis-1,2-	5	10 UJ	10 UJ	10 U	100 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Dichloropropane, 1,2-	1	10 UJ	10 UJ	10 U	100 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Dichloropropene, cis-1,3	NE	10 UJ	10 UJ	10 U	100 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Dichloropropene, trans-1,3	NE	10 UJ	10 UJ	10 U	100 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Dioxane, 1,4-	NE	500 UJ	500 UJ	500 U	5000 U	500 UJ	R	R	500 UJ	R	500 UJ	R	500 UJ	R
Ethanol	NE	500 UJ	500 UJ	500 U	5000 U	500 UJ	R	R	500 UJ	R	500 UJ	R	500 UJ	R
Heptane, n-	NE	10 UJ	10 UJ	10 U	100 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Hexachlorobutadiene	0.5	10 UJ	10 UJ	10 U	100 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Hexane, n-	NE	10 UJ	10 UJ	10 U	100 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Hexanone, 2-	50*	10 UJ	10 UJ	10 U	100 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	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	OU4	OU4	OU4	
Sample Name:		WCMW-21I	WCMW-21I2	WCMW-25I	WCMW-25D	WCMW-27S	WCMW-27S	DUP-01 OU4	WCMW-27I	WCMW-27I	WCMW-28S	WCMW-28S	WCMW-28I	WCMW-28I	
Screened Interval:		20-25 ft	30-35 ft	30-35 ft	55-60 ft	2-12 ft	2-12 ft	2-12 ft	20-25 ft	20-25 ft	2-12 ft	2-12 ft	2-12 ft	20-25 ft	20-25 ft
Sample Date:		5/10/2010	5/10/2010	5/5/2010	5/5/2010	5/10/2010	6/1/2010	6/1/2010	5/10/2010	6/1/2010	5/10/2010	6/1/2010	5/10/2010	6/1/2010	
Parent Sample:							WCMW-27S								
Isopropyl benzene	5	10 UJ	10 UJ	10 U	100 U	2 J	3 J	3 J	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Methyl tert-butyl ether	10*	10 UJ	10 UJ	10 U	100 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Methyl-2-pentanone, 4-	NE	10 UJ	10 UJ	10 U	100 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Methylene chloride	5	10 UJ	10 UJ	10 U	14 J	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Naphthalene	10*	10 UJ	10 UJ	10 U	100 U	380 J	380	390	10 UJ	10 U	13 J	12	10 UJ	10 U	
Propanol, 2-	NE	500 UJ	500 UJ	500 U	5000 U	500 UJ	R	R	500 UJ	R	500 UJ	R	500 UJ	R	
Propylbenzene, n-	5	10 UJ	10 UJ	10 U	100 U	10 UJ	1 J	1 J	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Styrene	5	10 UJ	10 UJ	10 U	100 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Tetrachloroethane, 1,1,1,2-	5	10 UJ	10 UJ	10 U	100 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Tetrachloroethane, 1,1,2,2-	5	10 UJ	10 UJ	10 U	100 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Tetrachloroethene	5	10 UJ	10 UJ	10 U	100 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Tetrahydrofuran	50*	10 UJ	10 UJ	10 U	100 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Trans-1,2-dichloroethene	5	10 UJ	10 UJ	10 U	100 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Trichloro-1,2,2-trifluoroethane, 1,1,2-	5	10 UJ	10 UJ	10 U	100 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Trichlorobenzene, 1,2,4-	5	10 UJ	10 UJ	10 U	100 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Trichloroethane, 1,1,1-	5	10 UJ	10 UJ	10 U	100 U	10 UJ	2 J	2 J	10 UJ	10 U	10 UJ	2 J	10 UJ	10 U	
Trichloroethane, 1,1,2-	1	10 UJ	10 UJ	10 U	100 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Trichloroethene	5	10 UJ	10 UJ	10 U	100 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Trichlorofluoromethane	5	10 UJ	10 UJ	10 U	100 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Trimethylbenzene 1,3,5-/P-ethyltoluene	NE	10 UJ	10 UJ	10 U	100 U	21 J	28	28	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Trimethylbenzene, 1,2,4-	5	10 UJ	10 UJ	10 U	100 U	14 J	17	18	10 UJ	10 U	10 UJ	1 J	10 UJ	10 U	
Trimethylpentane, 2,2,4-	NE	10 UJ	10 UJ	10 U	100 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Vinyl acetate	NE	10 UJ	10 UJ	10 U	100 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Vinyl chloride	2	10 UJ	10 UJ	10 U	100 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Non-carcinogenic PAHs (ug/L)															
Acenaphthene	20*	10 UJ	10 UJ	10 U	10 U	130 J	150	150	10 UJ	10 U	77 J	74	10 UJ	10 U	
Acenaphthylene	NE	10 UJ	10 UJ	10 U	10 U	9 J	12	13	10 UJ	10 U	6 J	7 J	10 UJ	10 U	
Anthracene	50*	10 UJ	10 UJ	10 U	10 U	6 J	10	11	10 UJ	10 U	6 J	10 U	10 UJ	10 U	
Benzo[g,h,i]perylene	NE	10 UJ	10 UJ	10 U	10 U	50 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Fluoranthene	50*	10 UJ	10 UJ	10 U	10 U	50 UJ	5 J	5 J	10 UJ	10 U	3 J	4 J	10 UJ	10 U	
Fluorene	50*	10 UJ	10 UJ	10 U	10 U	29 J	41	47	10 UJ	10 U	25 J	7 J	10 UJ	10 U	
Methylnaphthalene, 2-	NE	10 UJ	10 UJ	10 U	10 U	50 UJ	11 J	27 J	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Naphthalene	10*	10 UJ	10 UJ	10 U	10 U	50 UJ	16 J	110 J	10 UJ	10 U	4 J	10 U	10 UJ	10 U	
Phenanthrene	50*	10 UJ	10 UJ	10 U	10 U	6 J	26	46	10 UJ	10 U	9 J	10 U	10 UJ	10 U	
Pyrene	50*	10 UJ	10 UJ	10 U	10 U	7 J	7 J	7 J	10 UJ	10 U	5 J	5 J	10 UJ	10 U	
Total Non-carcinogenic PAHs	NE	ND	ND	ND	ND	187	278	416	ND	ND	135	97	ND	ND	
Carcinogenic PAHs (ug/L)															
Benz[a]anthracene	0.002*	10 UJ	10 UJ	10 U	10 U	50 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Benzo[a]pyrene	ND	10 UJ	10 UJ	10 U	10 U	50 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Benzo[b]fluoranthene	0.002*	10 UJ	10 UJ	10 U	10 U	50 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Benzo[k]fluoranthene	0.002*	10 UJ	10 UJ	10 U	10 U	50 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Chrysene	0.002*	10 UJ	10 UJ	10 U	10 U	50 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Dibenz[a,h]anthracene	NE	10 UJ	10 UJ	10 U	10 U	50 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	
Indeno[1,2,3-cd]pyrene	0.002*	10 UJ	10 UJ	10 U	10 U	50 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	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	187	278	416	ND	ND	135	97	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:	NYS AWQS	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4	OU4
Sample Name:		WCMW-21I	WCMW-21I2	WCMW-25I	WCMW-25D	WCMW-27S	WCMW-27S	DUP-01 OU4	WCMW-27I	WCMW-27I	WCMW-28S	WCMW-28S	WCMW-28I	WCMW-28I
Screened Interval:		20-25 ft	30-35 ft	30-35 ft	55-60 ft	2-12 ft	2-12 ft	2-12 ft	20-25 ft	20-25 ft	2-12 ft	2-12 ft	20-25 ft	20-25 ft
Sample Date:		5/10/2010	5/10/2010	5/5/2010	5/5/2010	5/10/2010	6/1/2010	6/1/2010	5/10/2010	6/1/2010	5/10/2010	6/1/2010	5/10/2010	6/1/2010
Parent Sample:								WCMW-27S						
Other SVOCs (ug/L)														
Bis(2-chloroethoxy)methane	5	10 UJ	10 UJ	10 U	10 U	50 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Bis(2-chloroethyl)ether	1	10 UJ	10 UJ	10 U	10 U	50 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Bis(2-ethylhexyl)phthalate	5	10 UJ	10 UJ	10 U	10 U	50 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Bis(chloroisopropyl)ether	5	10 UJ	10 UJ	10 U	10 U	50 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Bromophenyl phenyl ether, 4-	NE	10 UJ	10 UJ	10 U	10 U	50 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Butyl benzyl phthalate	50*	10 UJ	10 UJ	10 U	10 U	50 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Carbazole	NE	10 UJ	10 UJ	10 U	10 U	50 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Chloro-3-methylphenol, 4-	NE	10 UJ	10 UJ	10 U	10 U	50 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Chloroaniline, 4-	5	10 UJ	10 UJ	10 U	10 U	50 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Chloronaphthalene, 2-	10*	10 UJ	10 UJ	10 U	10 U	50 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Chlorophenol, 2-	NE	10 UJ	10 UJ	10 U	10 U	50 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Chlorophenyl phenyl ether, 4-	NE	10 UJ	10 UJ	10 U	10 U	50 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Dibenzofuran	NE	10 UJ	10 UJ	10 U	10 U	50 UJ	6 J	7 J	10 UJ	10 U	4 J	2 J	10 UJ	10 U
Dichlorobenzene, 1,2-	3	10 UJ	10 UJ	10 U	10 U	50 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Dichlorobenzene, 1,3-	3	10 UJ	10 UJ	10 U	10 U	50 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Dichlorobenzene, 1,4-	3	10 UJ	10 UJ	10 U	10 U	50 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Dichlorobenzidine, 3,3'-	5	10 UJ	10 UJ	10 U	10 U	50 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Dichlorophenol, 2,4-	5	10 UJ	10 UJ	10 U	10 U	50 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Diethyl phthalate	50*	10 UJ	10 UJ	10 U	10 U	50 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Dimethyl phthalate	50*	10 UJ	10 UJ	10 U	10 U	50 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Dimethylphenol, 2,4-	50*	10 UJ	10 UJ	10 U	10 U	50 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Di-n-butyl phthalate	50	10 UJ	10 UJ	10 U	10 U	50 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Dinitro-2-methylphenol, 4,6-	NE	25 UJ	25 UJ	25 U	25 U	120 UJ	25 U	25 U	25 UJ	25 U	25 UJ	25 U	25 UJ	25 U
Dinitrophenol, 2,4-	10*	25 UJ	25 UJ	25 U	25 U	120 UJ	25 U	25 U	25 UJ	25 U	25 UJ	25 U	25 UJ	25 U
Dinitrotoluene, 2,4-	5	10 UJ	10 UJ	10 U	10 U	50 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Dinitrotoluene, 2,6-	5	10 UJ	10 UJ	10 U	10 U	50 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Di-n-octyl phthalate	50*	10 UJ	10 UJ	10 U	10 U	50 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Hexachlorobenzene	0.04	10 UJ	10 UJ	10 U	10 U	50 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Hexachlorobutadiene	0.5	10 UJ	10 UJ	10 U	10 U	50 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Hexachlorocyclopentadiene	5	10 UJ	10 UJ	10 U	10 U	50 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Hexachloroethane	5	10 UJ	10 UJ	10 U	10 U	50 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Isophorone	50*	10 UJ	10 UJ	10 U	10 U	50 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Methylphenol, 2-	1	10 UJ	10 UJ	10 U	10 U	50 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Methylphenol, 4-	1	10 UJ	10 UJ	10 U	10 U	50 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Nitroaniline, 2-	5	25 UJ	25 UJ	25 U	25 U	120 UJ	25 U	25 U	25 UJ	25 U	25 UJ	25 U	25 UJ	25 U
Nitroaniline, 3-	5	25 UJ	25 UJ	25 U	25 U	120 UJ	25 U	25 U	25 UJ	25 U	25 UJ	25 U	25 UJ	25 U
Nitroaniline, 4-	5	25 UJ	25 UJ	25 U	25 U	120 UJ	25 U	25 U	25 UJ	25 U	25 UJ	25 U	25 UJ	25 U
Nitrobenzene	0.4	10 UJ	10 UJ	10 U	10 U	50 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Nitrophenol, 2-	NE	10 UJ	10 UJ	10 U	10 U	50 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Nitrophenol, 4-	NE	25 UJ	25 UJ	25 U	25 U	120 UJ	25 U	25 U	25 UJ	25 U	25 UJ	25 U	25 UJ	25 U
Nitrosodi-n-propylamine, N-	NE	10 UJ	10 UJ	10 U	10 U	50 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Nitrosodiphenylamine, N-	50*	10 UJ	10 UJ	10 U	10 U	50 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Pentachlorophenol	1	25 UJ	25 UJ	25 U	25 U	120 UJ	25 U	25 U	25 UJ	25 U	25 UJ	25 U	25 UJ	25 U
Phenol	1	10 UJ	10 UJ	10 U	10 U	50 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Trichlorobenzene, 1,2,4-	5	10 UJ	10 UJ	10 U	10 U	50 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Trichlorophenol, 2,4,5-	NE	25 UJ	25 UJ	25 U	25 U	120 UJ	25 U	25 U	25 UJ	25 U	25 UJ	25 U	25 UJ	25 U
Trichlorophenol, 2,4,6-	NE	10 UJ	10 UJ	10 U	10 U	50 UJ	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U
Other (ug/L)														
Sulfate	250000	NA	NA	278000	7810000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50*	2000 UJ	2000 UJ	2000 U	2000 U	2000 UJ	NA	NA	2000 UJ	NA	2000 UJ	NA	2000 UJ	NA

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-01D	22	21	0.1	9	0.4781	No Trend
WCMW-01I	27	20	0.1	83	0.0237	Increasing
WCMW-01S	36	6	15.5	-76	0.2992	No Trend
WCMW-02D	17	16	0.1	0	1.0000	No Trend
WCMW-02S	16	13	1.05	15	0.7229	No Trend
WCMW-03I	28	0	15	-149	0.0030	Decreasing
WCMW-03I2	28	7	1113.5	-36	0.4769	No Trend
WCMW-03S	33	0	300	25	0.6985	No Trend
WCMW-04I	29	4	94	-119	0.0255	Decreasing
WCMW-04I2	25	23	0.1	-3	0.8807	No Trend
WCMW-04S	36	1	195.5	69	0.3473	No Trend
WCMW-05I	28	0	244	21	0.6782	No Trend
WCMW-05I2	25	17	0.1	6	0.8649	No Trend
WCMW-05S	30	8	5	159	0.0041	Increasing
WCMW-06I	21	20	0.1	-8	0.5089	No Trend
WCMW-06I2	19	18	0.1	-8	0.4652	No Trend
WCMW-06S	23	21	0.1	-5	0.7853	No Trend
WCMW-07S	4	3	0.1	1	0.6547	No Trend
WCMW-10D	17	16	0.1	12	0.2207	No Trend
WCMW-10S	18	16	0.1	-1	0.9441	No Trend
WCMW-11D	12	10	0.1	13	0.1650	No Trend
WCMW-11I	12	7	0.1	26	0.0444	Increasing
WCMW-11S	12	0	357	-38	0.0092	Decreasing
WCMW12D	11	10	0.1	-6	0.3428	No Trend
WCMW-12I	11	8	0.1	14	0.1587	Increasing
WCMW-12S	11	2	3	-14	0.2674	No Trend
WCMW-13D	10	9	0.1	-3	0.6015	No Trend
WCMW-13S	11	8	0.1	-2	0.8404	No Trend
WCMW-14D	14	13	0.1	-1	0.9013	No Trend
WCMW-14I	16	1	45.5	57	0.0100	Increasing
WCMW-14I2	15	4	10	27	0.1768	No Trend
WCMW-14S	16	6	3.5	81	0.0002	Increasing
WCMW-16I	17	8	2	55	0.0162	Increasing
WCMW-16I2	17	6	5	67	0.0046	Increasing
WCMW-16S	20	2	135	82	0.0077	Increasing

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.

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	OU1SG-06	OU1SG-06	OU1SG-06	OU1SG-06	OU1SG-06	OU1SG-06	OU1SG-06	OU1SG-06	OU1SG-06	OU1SG-06	OU1SG-07	OU1SG-07	OU1SG-07
		2/6/2008	4/3/2008	6/18/2008	9/19/2008	12/23/2008	3/16/2009	6/16/2009	9/21/2009	12/29/2009	3/17/2010	6/8/2010	2/6/2008	4/3/2008	6/18/2008
BTEX (ug/m3)															
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	15	0.64 U	0.64 UJ
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	84	3.2	6.6
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	5.6	0.36 J	0.87 U
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	17	1.1 J	0.56 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	4.7	0.49 J	0.87 U
Other VOCs (ug/m3)															
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	3.1 J	7.2 J	6.4
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	5.2 J	4.7 U	3.2
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	0.34 J	1.2 U	0.46 U
Allyl chloride	NE	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	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 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	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	2.7 U	2.7 U	2.7 U	2.7 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	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	0.78 U	0.78 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	0.44 U	0.44 U	0.88 U	0.88 U	0.88 U	0.88 U	1.7 J	0.44 U	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	11	6.7	0.33 J
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	1.9	0.56 J	0.74
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	1.2 U	0.66 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	1.3	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	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	0.53 U	0.53 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	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	1.5	2.2	4.8
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	0.41 U	0.11 J	0.12 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	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	1.4 U	1.4 U	2.8 U	2.8 U	2.8 U	2.8 U	1.4 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	2.3	0.69 U	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	11	3.9	8.8
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	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	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	1.2 U	1.2 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	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	7.7	1.5	1.2
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	1.2 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	1.0	2.9	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	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	0.81 U	0.81 U	1.6 U	1.6 U	1.6 UJ	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	0.79 U	0.79 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	0.52 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	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	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 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	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	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 U	0.72 U	0.72 U	1.4 U	1.4 U	1.4 U	1.4 U	0.72 U	0.72 U	0.72 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	2.2	3.3	12 J
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	38	12	3.2
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	0.92 U	0.92 U	0.92 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-06	OU1SG-06	OU1SG-06	OU1SG-06	OU1SG-06	OU1SG-06	OU1SG-06	OU1SG-06	OU1SG-06	OU1SG-06	OU1SG-06	OU1SG-07	OU1SG-07	OU1SG-07	
		2/6/2008	4/3/2008	6/18/2008	9/19/2008	12/23/2008	3/16/2009	6/16/2009	9/21/2009	12/29/2009	3/17/2010	6/8/2010	2/6/2008	4/3/2008	6/18/2008	
Ethyltoluene, p-	NE	35	0.98 U	0.29 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	1.2	0.98 U	0.98 U
Heptane, n-	5.1	25	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	1.6 U	1.6 U	53	0.82 UJ	0.20 J
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	4.3 UJ	4.3 U	4.3 U	4.3 U	2.1 U	2.1 UJ	2.1 U
Hexane, n-	3.6	10	0.70 U	0.70 U	0.21 J	0.7 U	0.70 U	0.70 U	0.70 U	1.4 U	1.4 U	1.4 U	1.4 U	25	0.70 U	0.70 U
Hexanone, 2-	NE	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	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	NA
Indan	NE	20	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	1.9 U	0.48 J	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	1.9 U	1.9 U	1.9 U	1.9 U	0.95 U	0.95 U	0.95 U
Isopropyl benzene	NE	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	1.4 U	1.4 U	1.4 U	1.4 U	0.76	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	0.46 J	1.6 U	1.6 U	1.6 U	1.6 U	0.82 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	1.7 U	3.5 U	0.90 J	3.5 U	3.5 U	0.80 J	1.7 U	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	2.3 U	5.8 U	0.41 J	1.2 UJ	2.9 U
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	2.3 U	5.8 U	0.46 J	1.2 UJ	2.9 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	0.80 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 UJ	0.80 U	0.80 U	0.80 U	0.8 U	0.80 U	0.80 U	0.80 U	1.6 U	1.6 U	1.6 U	1.6 U	0.80 UJ	0.80 U	0.80 U
Naphthalene	NE	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	0.26 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	7.8	0.38 J	0.26 J	0.26 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	12	2.8	25	25
Pentane	NE	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	1.2 U	1.2 U	1.2 U	1.2 U	16	0.56 J	0.59 U
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	76 J	2.7	2.8 J	2.8 J
Propylbenzene, n-	NE	NA	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	0.47 J	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	1.5 U	0.38 J	1.2 U	1.2 U	1.2 U	1.2 U	0.61 U	0.18 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	2.7 U	2.7 U	2.7 U	2.7 U	1.4 U	1.4 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	32	14	17	17
Tetrahydrofuran	NE	NA	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	0.88 J	1.1 U	0.49 J	0.49 J
Thiophene	NE	0.69 U	0.69 U	0.69 UJ	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	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	0.79 U	0.79 U	0.79 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	0.44 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	1.5 U
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	1.5 U	1.5 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	0.82 J	1.1 U	0.55 J	0.55 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	2.2 U	2.2 U	2.2 U	2.2 U	1.1 U	1.1 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	0.86 J	1.1 U	1.1 U	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	1.4	2.3	1.5	1.5
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	3.6	0.92 J	0.64 J	0.64 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	1.4	0.27 J	0.98 U	0.98 U
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	1.2	0.36 J	0.29 J	0.29 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	14	0.93 UJ	0.93 U	0.93 U
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	4.9	2.0	1.3	1.3
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	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	1.0 U	1.0 U	1.0 U	1.0 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	0.0174 U	0.0232 U	0.0155	0.0173 U	0.0178	0.00328 U	0.0145 U	0.0201 U	0.0156 U	NA	NA	NA	0.0189 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU1SG-07 9/19/2008	OU1SG-07 12/23/2008	OU1SG-07 3/16/2009	OU1SG-07 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-08 2/7/2008	OU1SG-08 6/13/2008	OU1SG-08 9/30/2008	OU1SG-08 12/30/2008	OU1SG-09 6/16/2009
BTEX (ug/m3)														
Benzene	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	0.86	0.64 UJ	0.64 U	0.64 U	0.64 U
Toluene	16	1.1	0.67 J	2.0	0.75 J	0.83 J	4.6	10	18	9.0	7.5	8.4	1.8	1.4
Ethylbenzene	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	0.74 J	1.2	0.32 J	0.22 J	0.87 U
Xylene, m,p-	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	2.6	3.9	0.98 J	0.76 J	1.7 U
Xylene, o-	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	1.2	1.6	0.37 J	0.28 J	0.87 U
Other VOCs (ug/m3)														
Acetaldehyde	28 J	5.2	3.7 U	5.2 U	9.0 J	5.9 J	9.0 U	4.5 J	13	4.5 U	24	1.8 UJ	4.5 UJ	4.5 U
Acetone	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	1.2 U	10	0.47 UJ	1.2 UJ	3.3 U
Acrolein (propenal)	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	0.46 U	1.2	0.54	0.46 U	0.46 J
Allyl chloride	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	0.63 U	0.63 U	0.63 U
Benzothiophene	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	1.1 U	1.1 UJ	1.1 U	1.1 UJ	1.1 U
Bromodichloromethane	1.3 U	1.3 U	1.3 U	1.3 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	0.33 J	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	2.1 U	2.1 U	2.1 U	2.1 U	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
Bromomethane	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	0.78 U	0.78 U	0.78 U
Butadiene, 1,3-	0.44 U	0.44 U	0.44 U	0.44 U	0.88 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
Butane	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	1.1	0.48 U	8.5	20	0.48 U
Butanone, 2-	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	1.3	2.9	0.85	0.59 U	0.59 U
Carbon disulfide	1.5	0.62 U	0.62 U	3.2	0.56 J	2.4 J	21	29	68	0.19 J	1.8 J	0.72	0.17 J	5.6
Carbon tetrachloride	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 U	1.3 U	1.3 U	1.3 U	1.3 U
Chlorobenzene	0.92 U	0.92 U	0.92 U	0.92 U	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
Chloroethane	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	0.53 U	0.53 U	0.53 U
Chloroform	2.5	0.43 J	1.4	2.6	11 J	3.1 J	2.0 U	0.49 J	1.3 J	29	1.8	0.39 J	3.8	0.34 J
Chloromethane	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	0.41 U	0.23 J	0.15 J	0.16 J	0.16 J
Chlorotoluene, 2-	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	1.0 U	1.0 U	1.0 U
Cryofluorane	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	1.4 U	1.4 U	1.4 U
Cyclohexane	1.5	0.69 U	0.69 U	0.69 U	1.4 U	1.4 U	3.1	4.7	3.0	0.21 J	0.38 J	0.69 U	0.65 J	0.69 U
Decane, n-	15	1.7	4.1	1.6	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	3.2	80	24	2.1	0.89 J
Dibromochloromethane	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	1.7 U	1.7 U	1.7 U
Dibromoethane, 1,2-	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	1.5 U	1.5 U	1.5 U
Dichlorobenzene, 1,2-	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	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,3-	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	2.3	13	0.59 J	1.2 U	1.2 U
Dichlorobenzene, 1,4-	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	1.2 U	0.96 J	1.2 U	1.2 U	1.2 U
Dichlorodifluoromethane	2.8	2.4	2.6	1.3	4.7	2.8	2.1	2.3	2.3	2.3	3.3	3.1	2.7	2.3
Dichloroethane, 1,1-	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	0.81 U	0.81 U	0.81 U
Dichloroethane, 1,2-	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	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethene, 1,1-	0.79 U	0.79 U	0.79 U	0.79 U	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
Dichloroethene, cis-1,2-	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	0.79 U	0.79 U	0.79 U
Dichloropropane, 1,2-	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	0.92 U	0.92 U	0.92 U
Dichloropropene, cis-1,3	0.91 U	0.91 U	0.91 U	0.91 U	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
Dichloropropene, trans-1,3	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	0.91 U	0.91 U	0.91 U
Dioxane, 1,4-	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	0.72 U	0.72 U	0.72 UJ
Dodecane, n-	23	1.4 UJ	2.0 J	3.5	2.8 U	1.2 J	2.8 UJ	1.1 J	1.4 J	1.2 J	40 J	13	1.6 J	0.97 J
Ethanol	10	6.3	1.4 J	3.8	3.8 U	3.8 U	3.8 U	2.8 J	1.8 J	2.2	44	18	8.2	4.1
Ethylthiophene, 2-	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	0.92 U	0.92 U	0.92 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU1SG-07 9/19/2008	OU1SG-07 12/23/2008	OU1SG-07 3/16/2009	OU1SG-07 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-08 2/7/2008	OU1SG-08 6/13/2008	OU1SG-08 9/30/2008	OU1SG-08 12/30/2008	OU1SG-09 6/16/2009
Ethyltoluene, p-	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	0.54 J	0.84 J	0.98 U	0.98 U	0.98 U
Heptane, n-	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	1.9	3.5	0.82 U	0.82 U	0.82 U
Hexachlorobutadiene	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	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Hexane, n-	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	0.53 J	0.21 J	0.25 J	0.70 U	0.70 U
Hexanone, 2-	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	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	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	0.39 J	1.1	0.97 U	0.97 U	0.97 U
Indene	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	0.38 J	0.95 U	0.95 U	0.95 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	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	0.72 UJ	0.72 UJ	0.72 U	0.72 U	0.72 U
Methyl-2-pentanone, 4-	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	0.53 J	0.82 U	0.82 U	0.73 J	0.82 U
Methylene chloride	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	0.49 J	2.5 U	3.1 U	1.7 U	1.7 U
Methylnaphthalene, 1-	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	1.2 U	0.41 J	1.2 UJ	R	1.2 U
Methylnaphthalene, 2-	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	1.2 U	0.93 J	0.44 J	14 UJ	1.2 U
Methylthiophene, 2-	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	0.80 U	0.80 U	0.80 U
Methylthiophene, 3-	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	0.80 U	0.80 U	0.80 U
Naphthalene	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	1.0 U	1.9	0.61 J	1.0 UJ	0.34 J
Nonane	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	1.5	2.0	0.70 J	0.52 J	0.34 J
Octane, n-	3.8	2.1	9.9	0.93 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	0.89 J	550	45	0.30 J	0.25 J
Pentane	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	0.62	0.59 U	0.92	8.5	0.59 U
Propanol, 2-	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	6.2 J	5.2 J	1.7	1.2 J	1.2 U
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	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	0.85 U	0.68 J	0.31 J	0.85 U	1.8
t-Butyl alcohol	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	0.61 U	0.61 U	0.61 U	0.18 J	0.61 U
Tetrachloroethane, 1,1,2,2-	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	1.4 U	1.4 U	1.4 U
Tetrachloroethene	9.3	1.2 J	2.4	7.1	26 J	6.4 J	1.2 J	3.1	9.0	3.3	3.0	2.4	0.35 J	4.1
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	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	0.44 J	3.9 J	0.63 J	1.1 U	1.1 U
Thiophene	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	0.69 U	0.69 U	0.69 U
Trans-1,2-dichloroethene	0.79 U	0.79 U	0.79 U	0.79 U	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
Trichloro-1,2,2-trifluoroethane, 1,1,2-	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	0.61 J	1.1 J	0.89 J	0.73 J	0.83 J
Trichlorobenzene, 1,2,4-	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	1.5 U	1.5 UJ	1.5 U
Trichloroethane, 1,1,1-	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	0.49 J	2.3	2.9	0.50 J	11
Trichloroethane, 1,1,2-	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethene	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	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichlorofluoromethane	1.5	1.4	1.4	1.5	1.8 J	1.9 J	0.90 J	1.2 J	1.2 J	1.6	2.0	2.0	1.6	2.6
Trimethylbenzene, 1,2,3-	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	2.2	4.6	0.28 J	0.33 J	0.98 U
Trimethylbenzene, 1,2,4-	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	1.1	0.63 J	0.98 U	0.34 J
Trimethylbenzene, 1,3,5-	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	0.83 J	2.2	0.98 U	0.98 U	0.98 U
Trimethylpentane, 2,2,4-	0.93 U	0.93 U	0.93 U	0.93 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	0.51 J	1.2	0.93 U	0.93 U	0.93 U
Undecane, n-	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	1.9	19	1.3 UJ	0.48 J	0.79 J
Vinyl bromide	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	0.87 U	0.87 U	0.87 U
Vinyl chloride	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	0.51 U	0.51 U	0.51 U
Other (%)														
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	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	NA	0.037 U	0.014 U	0.0201	0.0175

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	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	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	OU2SG-01 9/7/2006	OU2SG-01 2/22/2007	OU2SG-01 5/24/2007
BTEX (ug/m3)														
Benzene	1.3 U	0.38 J	0.45 J	1.3 U	1.3 U	10.2	5.1	3.8	5.4	6.1	13.4 U	18.5	7.0	0.68 J
Toluene	2.4	4.2	11	8.9	9.1	32.4	32.4	36.6	75.4	56.5	56.5	128.1	180	270
Ethylbenzene	1.7 U	1.7 U	1.2 J	1.1 J	1.0 J	8.7	7.4	7.4	17.4	17.4	18.2 U	43	7.6	7.2
Xylene, m,p-	1.0 J	3.5 U	3.5	3.2 J	2.9 J	29.5	30.8	24.3	69.5	47.8	43.4	95.5	20	22
Xylene, o-	0.52 J	1.7 U	1.0 J	1.2 J	1.1 J	9.1	9.6	8.3	22.1	12.2	18.2 U	30.8	6.4	9.8
Other VOCs (ug/m3)														
Acetaldehyde	6.3 J	9.0 U	5.3 J	11 J	8.7 J	NA	NA	NA	NA	NA	NA	NA	4.4 J	100 J
Acetone	5.2 UJ	3.6 U	1.9 J	5.2	3.4 J	109.3	104.5	427.6	109.3	47.5	641.4	218.5	74	24 J
Acrolein (propenal)	2.3 U	2.3 UJ	2.3 U	2.3 U	2.3 U	NA	NA	NA	NA	NA	NA	NA	0.96 U	2.4 U
Allyl chloride	1.3 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	10 U	1.3 U	1.3 U
Benzothiophene	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	12 UJ	5.6 U
Bromodichloromethane	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	5.4 U	2.8 U	2.8 U
Bromoform	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	8.3 U	4.3 U	4.2 U
Bromomethane	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	3.1 U	1.6 U	1.6 U
Butadiene, 1,3-	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	11.7	0.70 J	0.91 U
Butane	0.95 U	0.95 U	0.48 J	0.95 U	0.95 U	NA	NA	NA	NA	NA	NA	NA	23	0.77 J
Butanone, 2-	1.2 U	1.2 U	0.71 J	2.4 J	0.70 J	14.2	14.2	32.4	2.4 U	8.3	20.9	29.5	7.5	12
Carbon disulfide	9.5	120	170	180	170	15.6	5	3.7	2.5 U	3.1	13.1 U	13.1	6.5	6.1 J
Carbon tetrachloride	1.6 J	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	5 U	2.6 U	2.6 UJ
Chlorobenzene	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	3.7 U	1.9 U	1.9 U
Chloroethane	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	2.1 U	1.1 U	1.1 U
Chloroform	0.78 J	2.0 U	2.0 U	0.59 J	2.0 U	3.7 U	3.5 U	3.6 U	3.9 U	3.6 U	20.5 U	3.9 U	3.6	1.4 J
Chloromethane	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	6.6 U	0.74 J	0.64 J
Chlorotoluene, 2-	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	NA	NA	NA	NA	NA	NA	NA	2.2 U	2.1 U
Cryofluorane	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	5.6 U	2.9 U	2.9 U
Cyclohexane	1.4 U	1.4 UJ	1.4 U	1.4 U	1.4 U	154.9	7.9	2.5 U	3.3	2.5 U	14.5 U	2.8 U	31	28
Decane, n-	0.58 J	2.3 U	2.3 UJ	9.1	6.2	NA	NA	NA	NA	NA	NA	NA	2.4	13
Dibromochloromethane	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	6.8 U	3.6 U	3.5 U
Dibromoethane, 1,2-	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	6.1 U	3.2 U	3.2 U
Dichlorobenzene, 1,2-	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	4.8 U	2.5 U	2.5 U
Dichlorobenzene, 1,3-	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	4.8 U	2.5 U	2.5 U
Dichlorobenzene, 1,4-	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	4.8 U	2.5 UJ	5
Dichlorodifluoromethane	3.6	4.2	2.9	2.9	3.1	3.8 U	3.6 U	3.6 U	4 U	3.6 U	20.8 U	4 U	2.5	2.8
Dichloroethane, 1,1-	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	3.2 U	1.7 U	1.7 U
Dichloroethane, 1,2-	1.6 U	1.6 U	1.6 UJ	1.6 U	1.6 U	3.1 U	2.9 U	3 U	3.2 U	3 U	17 U	3.2 U	1.7 U	1.7 U
Dichloroethene, 1,1-	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	3.2 U	1.7 U	1.6 U
Dichloroethene, cis-1,2-	1.6 U	1.6 U	1.6 U	2.9	1.6 U	3 U	2.9 U	2.9 U	3.2 U	2.9 U	16.7 U	3.2 U	1.7 U	1.6 U
Dichloropropane, 1,2-	1.8 U	1.8 UJ	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	3.7 U	1.9 U	1.9 U
Dichloropropene, cis-1,3	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	3.6 U	1.9 U	1.9 U
Dichloropropene, trans-1,3	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	3.6 U	1.9 U	1.9 U
Dioxane, 1,4-	1.4 U	1.4 UJ	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	11.5 U	3.8 U	1.5 U
Dodecane, n-	1.4 J	2.8 U	2.8 U	5.7 J	8.5	NA	NA	NA	NA	NA	NA	NA	0.73 J	30
Ethanol	3.8 U	3.8 U	2.0 J	1.5 J	1.9 J	64.1	5.8	244.9 J	6 U	22.6	90.4	111.2	85	4.9
Ethylthiophene, 2-	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	NA	NA	NA	NA	NA	NA	NA	1.9 U	1.9 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	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	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	OU2SG-01 9/7/2006	OU2SG-01 2/22/2007	OU2SG-01 5/24/2007
Ethyltoluene, p-	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	8.8	9.8	7.9	21.6	6.9 J	20.6 U	25.6	1.1 J	1.9 J
Heptane, n-	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	18	8.1	1.7 U
Hexachlorobutadiene	4.3 UJ	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	34.1 UJ	4.5 UJ	4.4 U
Hexane, n-	1.4 U	1.4 U	0.42 J	1.4 U	0.37 J	33.5	8.1	5.3	7.4	4.6	14.8 U	20.4	280	13
Hexanone, 2-	1.6 U	1.6 U	1.6 U	0.69 J	1.6 U	12.3 U	11.9 U	11.9 U	13.1 U	11.9 U	69.6 U	13.1 U	4.3 U	1.7 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	1.9 U	1.9 U	1.9 U	0.48 J	1.9 U	ND	ND	NA	NA	NA	NA	15.5 U	1.0 J	2
Indene	1.9 U	1.9 U	1.9 U	1.9 UJ	1.9 UJ	ND	ND	NA	NA	NA	NA	15.2 U	2.0 U	2 U
Isopropyl benzene	NA	NA	NA	NA	NA	3.7 U	3.5 U	3.6 U	3.9 U	3.6 U	20.6 U	3.9 U	NA	NA
Methyl tert-butyl ether	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	2.9 U	1.5 U	1.5 U
Methyl-2-pentanone, 4-	1.6 J	1.6 UJ	1.6 U	1.6 U	1.6 U	4.5	2.9 U	3 U	3.3 U	3 U	17.2 U	3.3 U	1.4 J	1.7 U
Methylene chloride	3.5 U	1.2 J	1.0 J	6.9 U	4.4 J	2.6 UJ	2.5 U	2.5 U	2.8 U	2.5 U	14.6 U	2.8 U	5.0 J	27
Methylnaphthalene, 1-	2.3 U	2.3 U	2.3 U	5.8 U	5.8 U	NA	NA	NA	NA	NA	NA	NA	30 U	30 U
Methylnaphthalene, 2-	2.3 U	2.3 U	2.3 U	5.8 U	5.8 U	NA	NA	NA	NA	NA	NA	NA	30 U	12 U
Methylthiophene, 2-	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	NA	NA	NA	NA	NA	NA	NA	1.7 U	1.6 U
Methylthiophene, 3-	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	NA	NA	NA	NA	NA	NA	NA	1.7 U	1.6 U
Naphthalene	2.1 U	2.1 U	2.1 U	1.1 J	2.1 U	15.7 U	15.2 U	15.2 UJ	26.2	15.2 U	89.1 UJ	16.8 U	5.5 U	2.3
Nonane	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	NA	NA	NA	NA	NA	NA	NA	2.8	2.2
Octane, n-	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	NA	NA	NA	NA	NA	NA	NA	3.0	1.9 U
Pentane	1.2 U	1.2 U	0.88 J	1.2 U	1.2 U	NA	NA	NA	NA	NA	NA	NA	20	1.2 U
Propanol, 2-	2.4 U	2.5 U	1.8 J	1.7 J	2.5 U	7.4 U	7.1 U	14.5	7.9 U	7.1 U	68.8	8.8	7.4	2 J
Propylbenzene, n-	NA	NA	NA	NA	NA	3.7 U	3.5 U	3.6 U	4.9	3.6 U	20.6 U	6.4	NA	NA
Styrene	1.7 U	1.7 U	1.7 U	0.54 J	0.45 J	3.2 U	3.1 U	3.1 U	6	3.1 U	17.9 U	4.1	1.8 U	1.8 U
t-Butyl alcohol	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	NA	NA	NA	NA	NA	NA	NA	1.3 U	1.2 U
Tetrachloroethane, 1,1,2,2-	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	5.5 U	2.9 U	2.8 U
Tetrachloroethene	4.2	0.95 J	1.6 J	6.4	5.2	5.2	26.5	5 U	8.1	9.5	43.4	19	9.4	10
Tetrahydrofuran	NA	NA	NA	NA	NA	2.2 U	2.1 U	2.2 U	2.7	2.5	12.4 U	2.7	NA	NA
Tetramethylbenzene, 1,2,4,5-	2.2 UJ	2.2 U	0.55 J	0.94 J	0.56 J	NA	NA	NA	NA	NA	NA	NA	2.3 U	4.2 J
Thiophene	1.4 U	1.4 UJ	1.4 U	1.4 U	1.4 U	NA	NA	NA	NA	NA	NA	NA	1.4 U	1.4 U
Trans-1,2-dichloroethene	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	3.2 U	1.7 U	1.6 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	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	6.1 U	3.2 U	3.1 U
Trichlorobenzene, 1,2,4-	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	23.7 UJ	3.1 UJ	3 U
Trichloroethane, 1,1,1-	27	6.0	3.0 J	14	13	4.1 U	3.9 U	4 U	4.4 U	4 U	22.9 U	4.4 U	2.3 U	2.2 UJ
Trichloroethane, 1,1,2-	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	4.4 U	2.3 U	2.2 U
Trichloroethene	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	4.3 U	0.90 J	2.2 U
Trichlorofluoromethane	2.2	1.6 J	1.6 J	1.9 J	2.2 J	4.3 U	4 U	4.1 U	4.5 U	4.1 U	23.6 U	4.5 U	1.3 J	1.7 J
Trimethylbenzene, 1,2,3-	2.0 UJ	2.0 U	0.59 J	0.83 J	0.81 J	NA	NA	NA	NA	NA	NA	NA	2.0 J	3.6
Trimethylbenzene, 1,2,4-	2.0 U	2.0 U	1.1 J	1.9 J	1.6 J	6.9	8.8	7.4	18.7	5.4	20.6 U	28.5 J	4.5	15 J
Trimethylbenzene, 1,3,5-	2.0 U	2.0 U	2.0 U	0.50 J	2.0 U	3.7 U	3.5 U	3.6 U	7.4	3.6 U	20.6 U	8.4	1.6 J	3.4
Trimethylpentane, 2,2,4-	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	453.2	6.9 J	1.9 U
Undecane, n-	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	NA	NA	NA	NA	NA	NA	NA	2.4 J	12
Vinyl bromide	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	NA	NA	NA	NA	NA	NA	NA	1.8 U	1.8 U
Vinyl chloride	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	2 U	1.1 U	1 U
Other (%)														
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	0.00345 U	0.0139 U	0.0179 U	0.0186 U	0.0152 U	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:	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	OU2SG-01 12/30/2009	OU2SG-01 3/25/2010	OU2SG-01 6/8/2010
BTEX (ug/m3)														
Benzene	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	1.3 U	1.3 U	1.3 U
Toluene	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	1.5 U	1.5 U	1.5 U
Ethylbenzene	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	1.7 U	1.7 U	1.7 U
Xylene, m,p-	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	3.5 U	3.5 U	3.5 U
Xylene, o-	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	1.7 U	1.7 U	1.7 U
Other VOCs (ug/m3)														
Acetaldehyde	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	9.0 U	2.7 J	6.4 J
Acetone	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	1.2 J	1.6 J	2.4 J
Acrolein (propenal)	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	2.3 UJ	2.3 U	2.3 U
Allyl chloride	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	1.2 U	1.2 U	1.2 U
Benzothiophene	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	2.2 U	2.2 U	5.5 U
Bromodichloromethane	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	2.7 U	2.7 U	2.7 U
Bromoform	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	4.1 U	4.1 U	4.1 U
Bromomethane	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	1.6 U	1.6 U	1.6 U
Butadiene, 1,3-	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	0.88 U	0.88 U	0.88 U
Butane	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	0.86 J	0.48 J	0.95 U
Butanone, 2-	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	1.2 U	1.2 U	1.2 U
Carbon disulfide	5.5	3.7	0.50 J	1.2 U	3.4	1.9	1.9	0.84	1.8	5.2	2.3	0.56 J	1.6 U	2.2
Carbon tetrachloride	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	2.5 U	2.5 U	2.5 U
Chlorobenzene	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	1.8 U	1.8 U	1.8 U
Chloroethane	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	1.0 U	1.0 U	1.0 U
Chloroform	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	2.0 U	2.0 U	1.1 J
Chloromethane	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	0.83 U	0.83 U	0.83 U
Chlorotoluene, 2-	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	2.1 U	2.1 U	2.1 U
Cryofluorane	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	2.8 U	2.8 U	2.8 U
Cyclohexane	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	1.4 UJ	1.4 U	0.41 J
Decane, n-	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	2.3 U	2.3 U	2.3 U
Dibromochloromethane	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	3.4 U	3.4 U	3.4 U
Dibromoethane, 1,2-	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	3.1 U	3.1 U	3.1 U
Dichlorobenzene, 1,2-	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	2.4 U	2.4 U	2.4 U
Dichlorobenzene, 1,3-	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	2.4 U	2.4 U	2.4 U
Dichlorobenzene, 1,4-	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	2.4 U	2.4 U	2.4 U
Dichlorodifluoromethane	2.5	2.7	2.9	1.9	2.4	2.8	2.7	2.9	2.7	1.4	2.4	2.8	2.8	2.2
Dichloroethane, 1,1-	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	1.6 U	1.6 U	1.6 U
Dichloroethane, 1,2-	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	1.6 U	1.6 U	1.6 U
Dichloroethene, 1,1-	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	1.6 U	1.6 U	1.6 U
Dichloroethene, cis-1,2-	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	1.6 U	1.6 U	1.6 U
Dichloropropane, 1,2-	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	1.8 UJ	1.8 U	1.8 U
Dichloropropene, cis-1,3	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	1.8 U	1.8 U	1.8 U
Dichloropropene, trans-1,3	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	1.8 U	1.8 U	1.8 U
Dioxane, 1,4-	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	1.4 UJ	1.4 U	1.4 U
Dodecane, n-	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	2.8 U	2.8 U	1.4 J
Ethanol	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	3.8 U	3.8 U	0.96 J
Ethylthiophene, 2-	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	1.8 U	1.8 U	1.8 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	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	OU2SG-01 12/30/2009	OU2SG-01 3/25/2010	OU2SG-01 6/8/2010
Ethyltoluene, p-	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	2.0 U	2.0 U	2.0 U
Heptane, n-	2 U	2.0 U	0.82 U	0.82 U	1.3 J	0.82 U	0.82 U	0.82 U	0.82 U	0.53 J	0.82 U	1.6 U	1.6 U	1.6 U
Hexachlorobutadiene	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	4.3 U	4.3 U	4.3 U
Hexane, n-	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	1.4 U	1.4 U	1.4 U
Hexanone, 2-	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	1.6 U	1.6 U	1.6 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	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	1.9 U	1.9 U	1.9 U
Indene	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	1.9 U	1.9 U	1.9 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	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	1.4 U	1.4 U	1.4 U
Methyl-2-pentanone, 4-	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	1.6 UJ	1.6 U	1.6 U
Methylene chloride	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	1.1 J	3.5 U	2.3 J
Methylnaphthalene, 1-	2.9 U	2.9 U	1.4 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	2.3 U	5.8 U	5.8 U
Methylnaphthalene, 2-	36 UJ	2.9 U	1.4 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-	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	1.6 U	1.6 U	1.6 U
Methylthiophene, 3-	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	1.6 U	1.6 U	1.6 U
Naphthalene	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	2.1 U	2.1 U	2.1 U
Nonane	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	2.1 U	2.1 U	2.1 U
Octane, n-	2.3 U	2.3 U	0.93 U	0.93 U	2.20	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
Pentane	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	1.2 U	1.2 U	1.5
Propanol, 2-	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	2.5 U	2.5 U	2.5 U
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	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	1.7 U	1.7 U	1.7 U
t-Butyl alcohol	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	1.2 U	1.2 U	1.2 U
Tetrachloroethane, 1,1,2,2-	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	2.7 U	2.7 U	2.7 U
Tetrachloroethene	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	2.7 U	1.1 J	2.7 U
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	1.4 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	2.2 U	2.2 U	2.2 U
Thiophene	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	1.4 UJ	1.4 U	1.4 U
Trans-1,2-dichloroethene	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	1.6 U	1.6 U	1.6 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	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	3.1 U	3.1 U	3.1 U
Trichlorobenzene, 1,2,4-	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	3.0 U	3.0 U	3.0 U
Trichloroethane, 1,1,1-	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	2.2 U	2.2 U	2.2 U
Trichloroethane, 1,1,2-	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	2.2 U	2.2 U	2.2 U
Trichloroethene	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	2.2 U	2.2 U	2.2 U
Trichlorofluoromethane	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	1.2 J	1.6 J	1.2 J
Trimethylbenzene, 1,2,3-	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	2.0 U	2.0 U	2.0 U
Trimethylbenzene, 1,2,4-	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	2.0 U	2.0 U	2.0 U
Trimethylbenzene, 1,3,5-	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	2.0 U	2.0 U	2.0 U
Trimethylpentane, 2,2,4-	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	1.9 U	1.9 U	1.9 U
Undecane, n-	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	2.6 U	2.6 U	2.6 U
Vinyl bromide	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	1.8 U	1.8 U	1.8 U
Vinyl chloride	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	1.0 U	1.0 U	1.0 U
Other (%)														
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NA	NA	NA	NA	NA	0.297	0.284	0.773	0.061	0.458	0.03	0.18	0.06	0.067

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	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	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
BTEX (ug/m3)														
Benzene	3.5	2.8	2.4	5.8	7.3	16 U	13.4	1.2 J	1.3 U	0.51 J	0.67 J	0.64 U	0.64 U	0.19 J
Toluene	35.8	27.1	22.6	75.4	64.1	60.3	113.1	15	190	7.4	1.2 J	0.34 J	0.75 U	0.83
Ethylbenzene	10	6.5	5.6	18.7	23	21.7 U	41.7	2.3	3.2	2.1 U	2.6 U	0.87 U	0.87 U	0.43 J
Xylene, m,p-	31.7	27.4	18.2	69.5	43.4	42.6	95.5	5.8	5.4	4.2 U	5.2 U	1.7 U	0.23 J	1.4 J
Xylene, o-	10	8.3	7.4	22.1	12.6	21.7 U	30.8	1.9 J	4.6	0.54 J	2.6 U	0.87 U	0.87 U	0.65 J
Other VOCs (ug/m3)														
Acetaldehyde	NA	11.9	NA	NA	NA	NA	NA	0.66 J	140 J	150	35	1.8 U	3.7 J	57
Acetone	87.9	99.8	223.3	204.3	52.3	902.7	235.2	8.9	57 J	15 J	7.6	1.2 U	2.6 U	23
Acrolein (propenal)	NA	NA	NA	NA	NA	NA	NA	1.0 U	2.3 U	0.45 J	1.4 U	0.46 U	0.15 J	0.41 J
Allyl chloride	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	1.5 U	1.9 U	0.63 U	0.63 U	0.63 UJ
Benzothiophene	NA	NA	NA	NA	NA	NA	NA	13 UJ	5.4 U	2.7 U	3.3 U	1.1 U	1.1 U	1.1 U
Bromodichloromethane	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	3.3 U	4.0 U	1.3 U	1.3 U	1.3 U
Bromoform	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	5 U	6.2 U	2.1 U	2.1 U	2.1 U
Bromomethane	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	1.9 U	2.3 U	0.78 U	0.78 U	0.78 U
Butadiene, 1,3-	1.9	1.6 U	2.7	1.7 U	1.7 U	11.1 U	7.5	1.0 U	0.87 U	1.1 U	1.3 U	0.44 U	0.44 U	0.44 U
Butane	NA	NA	NA	NA	NA	NA	NA	3.4	1	1.1 J	1.4 U	0.59	0.33 J	0.26 J
Butanone, 2-	5.6	12.4	10.3	9.7	6.2	18.6	13.3	1.5 J	19	4.6	2.2	0.59 U	0.27 J	1.3
Carbon disulfide	3.1	2.3 U	2.3 U	8.1	2.4 U	15.6 U	3.7	1.4	8.1 J	4.7	2.9	0.53 J	1.2 U	2.2
Carbon tetrachloride	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	3.1 U	3.8 U	1.3 U	1.3 U	1.3 U
Chlorobenzene	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	2.2 U	2.8 U	0.92 U	0.92 U	0.92 U
Chloroethane	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	1.3 U	1.6 U	0.53 U	0.53 U	0.53 U
Chloroform	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	0.9 J	0.73 J	0.24 J	1.1	0.68 J
Chloromethane	6 U	6 U	6 U	6.6 U	6.2 U	41.3 U	6.4 U	0.95 U	0.52 J	0.31 J	1.2 U	0.41 U	0.41 U	0.41 U
Chlorotoluene, 2-	NA	NA	NA	NA	NA	NA	NA	2.4 U	2 U	2.5 U	3.1 U	1.0 U	1.0 U	1.0 U
Cryofluorane	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	3.4 U	4.2 U	1.4 U	1.4 U	1.4 U
Cyclohexane	203.1	7.9	2.5 U	3.8	2.6 U	17.2 U	2.7 U	5.0	12	2.2	2.9	0.65 J	2.1	0.89
Decane, n-	NA	NA	NA	NA	NA	NA	NA	1.5 J	5.2	4	3.5 U	1.2 U	1.2 U	58
Dibromochloromethane	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	4.2 U	5.1 U	1.7 U	1.7 U	1.7 U
Dibromoethane, 1,2-	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	3.8 U	4.6 U	1.5 U	1.5 U	1.5 U
Dichlorobenzene, 1,2-	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	2.9 U	3.6 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,3-	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	2.9 U	3.6 U	1.2 U	1.2 U	4.5
Dichlorobenzene, 1,4-	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	2.9 U	3.6 U	1.2 U	0.55 J	0.72 J
Dichlorodifluoromethane	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	2.4 J	2.7 J	2.3	2.2	2.5
Dichloroethane, 1,1-	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	2 U	2.4 U	0.81 U	0.81 U	0.81 U
Dichloroethane, 1,2-	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	2 U	2.4 U	0.81 U	0.81 U	0.81 U
Dichloroethene, 1,1-	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	1.9 U	2.4 U	0.79 U	0.79 U	0.79 U
Dichloroethene, cis-1,2-	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	1.9 U	2.4 U	0.79 U	0.79 U	0.79 U
Dichloropropane, 1,2-	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	2.2 U	2.8 U	0.92 U	0.92 U	0.92 U
Dichloropropene, cis-1,3	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	2.2 U	2.7 U	0.91 U	0.91 U	0.91 U
Dichloropropene, trans-1,3	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	2.2 U	2.7 U	0.91 U	0.91 U	0.91 U
Dioxane, 1,4-	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	1.8 U	2.2 U	1.8 U	0.72 U	0.72 U
Dodecane, n-	NA	NA	NA	NA	NA	NA	NA	3.2 U	14	2.3 J	1.7 J	0.56 J	4.8	47 J
Ethanol	94.2	5.5 U	188.4 J	50.9	32	124.4	92.3	25	5.6	27	16	1.9 U	0.78 J	0.79 J
Ethylthiophene, 2-	NA	NA	NA	NA	NA	NA	NA	2.1 U	1.8 U	2.2 U	2.8 U	0.92 U	0.92 U	0.92 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	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	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
Ethyltoluene, p-	7.9	8.8	6.9	21.6	5.9	24.6 U	29	2.2 U	1.9 U	2.4 U	3.0 U	0.98 U	0.98 U	0.39 J
Heptane, n-	122.9	3.3	3 U	8.2	6.1	20.5 U	11.9	2.5	1.6 U	2 U	2.5 U	0.82 U	0.82 U	0.78 J
Hexachlorobutadiene	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	5.2 U	6.4 U	2.1 U	2.1 U	2.1 U
Hexane, n-	5.6	3.5	2.6 U	8.1	6	17.6 U	11.3	8.9	3.3	1.7 U	6.1	0.70 U	0.70 U	0.70 U
Hexanone, 2-	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	0.86 J	2.5 U	0.82 U	0.82 U	0.82 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	ND	ND	NA	NA	NA	NA	15 U	2.2 U	1.9 U	2.4 U	2.9 U	0.97 U	0.97 U	0.58 J
Indene	ND	ND	NA	NA	NA	NA	14.7 U	2.2 U	1.9 U	2.3 U	2.8 U	0.95 U	0.95 U	0.95 U
Isopropyl benzene	3.5 U	3.6 U	3.6 U	3.9 U	3.7 U	24.6 U	3.8 U	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	3.1	2.6 U	2.6 U	10.1	2.7 U	18 U	2.8 U	1.6 U	1.4 U	1.8 U	2.2 U	0.72 U	0.72 U	0.72 U
Methyl-2-pentanone, 4-	4.9	3 U	3 U	3.2 U	3.1 U	20.5 U	3.2 U	1.9 U	1.6 U	2 U	2.5 U	0.82 U	0.82 U	0.82 U
Methylene chloride	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	1.7 U	14	0.80 U	1.7 U	1.7 U
Methylnaphthalene, 1-	NA	NA	NA	NA	NA	NA	NA	33 U	29 U	2.8 U	3.5 U	14 UJ	1.2 U	2.9 UJ
Methylnaphthalene, 2-	NA	NA	NA	NA	NA	NA	NA	33 U	11 U	36 UJ	3.5 U	14 U	1.2 U	2.9 UJ
Methylthiophene, 2-	NA	NA	NA	NA	NA	NA	NA	1.8 U	1.6 U	2 U	2.4 U	0.80 U	0.80 U	0.80 U
Methylthiophene, 3-	NA	NA	NA	NA	NA	NA	NA	1.8 U	1.6 U	2 U	2.4 U	0.80 U	0.80 U	0.80 U
Naphthalene	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	0.84 J	3.1 U	1.0 U	1.0 UJ	1.2
Nonane	NA	NA	NA	NA	NA	NA	NA	1.7 J	2.1 U	0.66 J	3.1 U	1.0 U	1.0 U	0.89 J
Octane, n-	NA	NA	NA	NA	NA	NA	NA	1.9 J	1.8 U	2.3 U	2.8 U	0.93 U	0.93 U	1.80
Pentane	NA	NA	NA	NA	NA	NA	NA	2.2	1.2 U	0.78 J	1.8 U	0.59 U	0.59 UJ	0.41 J
Propanol, 2-	7.1 U	7.1 U	15.7	10.6	7.4 U	78.7	9.1	1.5	1.7 J	6.6	1.5 U	0.49 U	1.2 U	1.2 UJ
Propylbenzene, n-	3.5 U	3.6 U	3.6 U	4.5	3.7 U	24.6 U	6.9	NA	NA	NA	NA	NA	NA	NA
Styrene	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	2.1 U	2.6 U	0.85 U	0.85 U	0.38 J
t-Butyl alcohol	NA	NA	NA	NA	NA	NA	NA	1.4 U	1.2 U	1.2 J	0.55 J	0.61 U	0.61 U	0.73
Tetrachloroethane, 1,1,2,2-	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	3.4 U	4.1 U	1.4 U	1.4 U	1.4 U
Tetrachloroethene	6.1	22.4	5 U	8.8	8.1	50.2	19	3.4	5.3	1.1 J	1.2 J	1.4 U	1.4 U	1.1 J
Tetrahydrofuran	2.1 U	2.2 U	2.2 U	2.5	2.2 U	14.7 U	2.3 U	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NA	NA	NA	NA	NA	NA	NA	2.5 U	5.4 J	1.9 J	3.3	0.38 J	1.3	2.8 J
Thiophene	NA	NA	NA	NA	NA	NA	NA	1.6 U	1.4 U	1.7 U	2.1 U	0.69 U	0.69 U	0.69 U
Trans-1,2-dichloroethene	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	1.9 U	2.4 U	0.79 U	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	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	3.7 U	4.6 U	0.46 J	0.95 J	0.54 J
Trichlorobenzene, 1,2,4-	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	3.6 U	4.4 U	1.5 U	1.5 U	1.5 U
Trichloroethane, 1,1,1-	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	2.7 U	3.3 U	1.1 U	1.1 U	1.1 U
Trichloroethane, 1,1,2-	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	39	3.3 U	1.1 U	1.1 U	1.1 U
Trichloroethene	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	2.6 U	3.2 U	1.1 U	1.1 U	1.1 U
Trichlorofluoromethane	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	1.2 J	1.2 J	1.2	1.2	1.5
Trimethylbenzene, 1,2,3-	NA	NA	NA	NA	NA	NA	NA	2.2 U	2	2.4 U	3.0 U	0.98 U	0.98 U	2.7
Trimethylbenzene, 1,2,4-	4.9	9.3	6.4	18.2	4.4	24.6 U	32.9 J	1.6 J	6.6 J	2.4 U	3.0 U	0.98 U	0.98 U	0.69 J
Trimethylbenzene, 1,3,5-	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	2.4 U	3.0 U	0.98 U	0.98 U	1.4
Trimethylpentane, 2,2,4-	3.4 U	3.4 U	3.4 U	11.2	607.4	7008	934.4	2.1 J	1.8 U	2.3 U	2.8 U	0.93 U	0.93 U	0.93 U
Undecane, n-	NA	NA	NA	NA	NA	NA	NA	2.9 U	2.5 U	4.2	3.8 U	1.3 U	1.2 J	12
Vinyl bromide	NA	NA	NA	NA	NA	NA	NA	2.0 U	1.7 U	2.1 U	2.6 U	0.87 U	0.87 U	0.87 U
Vinyl chloride	1.8 U	1.9 U	1.9 U	2 U	1.9 U	12.8 U	2 U	1.2 U	1 U	1.2 U	1.5 U	0.51 U	0.51 U	0.51 U
Other (%)														
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NA	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:	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	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
BTEX (ug/m3)														
Benzene	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	5.4	2.6	6.4	7	10.2
Toluene	4.2	0.26 J	0.75 U	0.75 U	1.0	1.7	1.5 U	1.5 U	1.5 U	33.9	27.1	45.2	94.2	52.8
Ethylbenzene	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	10	5.2	6.9	23.4	18.7
Xylene, m,p-	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	36	24.8	15.6	95.5	47.8
Xylene, o-	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	13.5	7.4	6.1	33	12.6
Other VOCs (ug/m3)														
Acetaldehyde	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	NA	19.8	NA	NA	NA
Acetone	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	90.3	128.3	855.2 EJ	522.6	87.9
Acrolein (propenal)	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	NA	NA	NA	NA	NA
Allyl chloride	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	9.4 U	9.4 U	10 U	9.7 U	9.1 U
Benzothiophene	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	NA	NA	NA	NA	NA
Bromodichloromethane	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	5.1 U	5.1 U	5.3 U	5.2 U	4.9 U
Bromoform	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	7.9 U	7.9 U	8.2 U	8.1 U	7.5 U
Bromomethane	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	3 U	3 U	3.1 U	3 U	2.8 U
Butadiene, 1,3-	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	1.7 U	1.7 U	5.3	2.2	1.6 U
Butane	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	NA	NA	NA	NA	NA
Butanone, 2-	0.59	0.59 U	0.61	0.59 U	0.82	2.3	1.2 U	1.2 U	1.2 U	15	12.4	35.4	16.8	8.8
Carbon disulfide	1.0	1.1	0.49 J	0.62 U	1.3	0.75 J	3.5	1.2 U	1.3	5.9	24.9	2.5	3.7	4.7
Carbon tetrachloride	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	4.8 U	4.8 U	5 U	4.9 U	4.6 U
Chlorobenzene	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	3.5 U	3.5 U	3.6 U	3.6 U	3.4 U
Chloroethane	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	2 U	2 U	2.1 U	2.1 U	1.9 U
Chloroform	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	3.7 U	3.7 U	3.9 U	3.8 U	3.6 U
Chloromethane	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	6.2 U	6.2 U	6.6 U	6.4 U	6 U
Chlorotoluene, 2-	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	NA	NA	NA	NA	NA
Cryofluorane	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	5.3 U	5.3 U	5.5 U	5.5 U	5.1 U
Cyclohexane	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	134.2	10	2.7 U	6.5	2.5 U
Decane, n-	26	1.2 U	1.2 U	1.2 U	4.9	2.3 U	2.3 U	2.3 U	2.3 U	NA	NA	NA	NA	NA
Dibromochloromethane	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	6.5 U	6.5 U	6.7 U	6.6 U	6.2 U
Dibromoethane, 1,2-	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	5.8 U	5.8 U	6.1 U	6 U	5.6 U
Dichlorobenzene, 1,2-	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	4.6 U	4.6 U	4.7 U	4.7 U	4.4 U
Dichlorobenzene, 1,3-	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	4.6 U	4.6 U	5.9	4.7 U	4.4 U
Dichlorobenzene, 1,4-	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	4.6 U	4.6 U	4.7 U	4.7 U	4.4 U
Dichlorodifluoromethane	2.3	2.9	2.6	2.4	1.3	2.9	2.9	2.4	2.2	3.8 U	7.4	3.9 U	3.9 U	3.7
Dichloroethane, 1,1-	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	3.1 U	3.1 U	3.2 U	3.2 U	3 U
Dichloroethane, 1,2-	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	3.1 U	3.1 U	3.2 U	3.2 U	3 U
Dichloroethene, 1,1-	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	3 U	3 U	3.1 U	3.1 U	2.9 U
Dichloroethene, cis-1,2-	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	3 U	3 U	3.1 U	3.1 U	2.9 U
Dichloropropane, 1,2-	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	3.5 U	3.5 U	3.7 U	3.6 U	3.4 U
Dichloropropene, cis-1,3	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	3.4 U	3.4 U	3.6 U	3.5 U	3.3 U
Dichloropropene, trans-1,3	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	3.4 U	3.4 U	3.6 U	3.5 U	3.3 U
Dioxane, 1,4-	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	10.8 U	10.8 U	11.5 U	11.2 U	10.5 U
Dodecane, n-	20	2.2	1.4 U	3.5 U	5.2	2.8 UJ	0.70 J	2.8 U	2.8 U	NA	NA	NA	NA	NA
Ethanol	4.0	0.75 J	1.9 U	4.7 U	17	4.1 U	3.8 U	3.8 U	1.0 J	82.9	7	433.4	52.8	22.6
Ethylthiophene, 2-	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	NA	NA	NA	NA	NA

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Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	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	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
Ethyltoluene, p-	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	8.8	7.9	3.9 U	33.4	7.4 J
Heptane, n-	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	65.6	3.7	4.9	11.5	5.3
Hexachlorobutadiene	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	32 U	32 U	34.1 U	33.1 U	30.9 U
Hexane, n-	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	4.2	4.6	7.4	10.2	6.7
Hexanone, 2-	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	12.3 U	12.3 U	13.1 U	12.7 U	11.9 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	1.9 U	1.9 U	1.9 U	1.9 U	ND	ND	NA	NA	NA
Indene	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	ND	ND	NA	NA	NA
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.7 U	3.7 U	3.9 U	3.8 U	3.6 U
Methyl tert-butyl ether	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	2.7 U	2.7 U	2.8 U	22.7	2.6 U
Methyl-2-pentanone, 4-	0.82 U	0.82 U	0.82 U	0.82 U	0.58 J	1.6 U	1.6 U	1.6 U	1.6 U	7.4	3.1 U	3.2 U	3.2 U	3 U
Methylene chloride	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	2.6 U	2.6 U	2.7 U	2.7 U	2.5 U
Methylnaphthalene, 1-	1.2 U	1.2 U	5.8 U	2.9 U	1.2 U	2.3 U	2.3 U	5.8 U	5.8 U	NA	NA	NA	NA	NA
Methylnaphthalene, 2-	1.2 U	1.2 U	5.8 U	2.9 U	1.2 U	2.3 U	2.3 U	5.8 U	5.8 U	NA	NA	NA	NA	NA
Methylthiophene, 2-	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	NA	NA	NA	NA	NA
Methylthiophene, 3-	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	NA	NA	NA	NA	NA
Naphthalene	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	11	15.7 U	16.8 U	16.3 U	15.2 U
Nonane	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	NA	NA	NA	NA	NA
Octane, n-	17	0.93 U	0.93 U	0.93 U	11	1.9 U	1.9 U	1.9 U	1.9 U	NA	NA	NA	NA	NA
Pentane	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	NA	NA	NA	NA	NA
Propanol, 2-	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	7.4	7.4 U	36.9	9.3	7.1 U
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.7 U	3.7 U	3.9 U	6.9	3.6 U
Styrene	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	3.2 U	3.2 U	3.4 U	3.7	3.1 U
t-Butyl alcohol	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	NA	NA	NA	NA	NA
Tetrachloroethane, 1,1,2,2-	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	5.2 U	5.2 U	5.4 U	5.4 U	5 U
Tetrachloroethene	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	8.1	21.7	5.4 U	10.2	7.5
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.2 U	2.2 U	2.3 U	2.3 U	2.2 U
Tetramethylbenzene, 1,2,4,5-	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	NA	NA	NA	NA	NA
Thiophene	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	NA	NA	NA	NA	NA
Trans-1,2-dichloroethene	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	3 U	3 U	3.1 U	3.1 U	2.9 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	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	5.8 U	5.8 U	6.1 U	6 U	5.6 U
Trichlorobenzene, 1,2,4-	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	22.3 U	22.3 U	23.7 U	23 U	21.5 U
Trichloroethane, 1,1,1-	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	4.1 U	4.1 U	4.3 U	4.3 U	4 U
Trichloroethane, 1,1,2-	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	4.1 U	4.1 U	4.3 U	4.3 U	4 U
Trichloroethene	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	4.1 U	4.1 U	4.2 U	4.2 U	3.9 U
Trichlorofluoromethane	4.3	1.4	1.3	1.2	1.3	2.0 J	1.2 J	1.4 J	1.2 J	11.2	7.3	4.4 U	4.4 U	4.1 U
Trimethylbenzene, 1,2,3-	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	NA	NA	NA	NA	NA
Trimethylbenzene, 1,2,4-	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	9.8	6.9	3.9 U	32.4	5.4
Trimethylbenzene, 1,3,5-	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	3.7 U	3.7 U	3.9 U	12.3	3.6 U
Trimethylpentane, 2,2,4-	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	3.6 U	4.7	3.7 U	15.9	560.6
Undecane, n-	1.3 U	1.3 U	1.3 U	1.3 U	1.8	2.6 U	2.6 U	2.6 U	2.6 U	NA	NA	NA	NA	NA
Vinyl bromide	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	NA	NA	NA	NA	NA
Vinyl chloride	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	1.9 U	1.9 U	2 U	2 U	1.9 U
Other (%)														
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	0.0255 U	0.301	0.19	0.022	0.074	0.049	0.109	0.13	0.034	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:	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	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
BTEX (ug/m3)														
Benzene	21.1 U	17.9	1.4 U	1.3	1.7	0.64 U	0.64 U	0.22 J	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U
Toluene	56.5	135.7	2.6	640	810	40	130	140	1.7	51	0.44 J	0.38 J	0.34 J	0.23 J
Ethylbenzene	28.7 U	37.3	0.74 J	5	5.6	0.69 J	1.8	2.0	0.43 J	0.65 J	0.87 U	0.87 U	0.87 U	0.87 U
Xylene, m,p-	37.3	121.6	2.9 J	15	17	2.9	7.3	6.4	1.1 J	2.8	1.7 U	1.7 U	1.7 U	1.7 U
Xylene, o-	28.7 U	35.2	1.0 J	4.6	5.3	1.3	3.0	4.8	0.48 J	3.5	0.87 U	0.87 U	0.87 U	0.87 U
Other VOCs (ug/m3)														
Acetaldehyde	NA	NA	0.76 UJ	72 J	55	4.5 U	9.0	15	12 J	1.8 UJ	3.2 U	3.2 U	4.5 U	4.5 U
Acetone	1092.7	475.1	8.6	62 J	7.0	1.0 U	6.6 J	7.4	0.47 UJ	2.3	2.4 U	1.8 U	2.0 U	1.8 U
Acrolein (propenal)	NA	NA	0.97 U	0.81 J	1.1 U	0.46 U	0.38 J	0.21 J	0.46 U	0.46 U	0.46 U	0.46 U	1.2 U	1.2 U
Allyl chloride	81.4 U	9.4 U	1.3 U	1.3 U	1.5 U	0.63 U	0.63 U	0.63 UJ	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
Benzothiophene	NA	NA	12 UJ	5.5 U	32 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 UJ	2.7 U	1.1 U	1.1 U
Bromodichloromethane	44.2 U	5 U	2.8 U	2.7 U	3.1 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	68.2 U	7.6 U	4.4 U	4.2 U	4.8 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	25.6 U	2.9 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	0.78 U	0.78 U
Butadiene, 1,3-	14.6 U	7.7	0.94 U	0.89 U	1.0 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Butane	NA	NA	1.3	0.57 J	1.1 U	0.48 U	0.48 U	0.17 J	0.69	0.48 U	0.52	0.48 U	0.48 U	0.48 U
Butanone, 2-	24.5	20.1	1.2 J	7.6	1.4 U	0.59 U	1.5	1.2	2.0	0.59 U	0.59 U	0.59 U	0.59 U	0.27 J
Carbon disulfide	20.9	8.1	1.2 J	4.1 J	12	0.50 J	1.8	12	8.1	10	0.68	0.62 U	2.3 J	1.3 J
Carbon tetrachloride	41.5 U	4.7 U	2.7 U	2.5 UJ	2.9 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Chlorobenzene	30.4 U	3.4 U	2.0 U	1.9 U	2.2 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Chloroethane	17.4 U	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	0.53 U	0.53 U
Chloroform	32.2 U	3.6 U	0.62 J	2.2	0.68 J	0.34 J	0.89 J	1.8	4.2	1.6	0.85 J	0.78 J	0.77 J	0.87 J
Chloromethane	53.7 U	6.2 U	0.87 U	0.83 U	0.97 U	0.41 U	0.11 J	0.41 U	0.21 J	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U
Chlorotoluene, 2-	NA	NA	2.2 U	2.1 U	2.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cryofluorane	46.1 U	5.2 U	3.0 U	2.8 U	3.3 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Cyclohexane	22.7 U	2.5 U	1.5 U	67	140	1.3	17	36	1.5	31	2.0	2.9	0.31 J	0.27 J
Decane, n-	NA	NA	2.5 U	11	28	1.2 U	1.2 UJ	49	34	1.2 U	1.2 U	1.2 U	1.2 U	0.47 J
Dibromochloromethane	56.2 U	6.3 U	3.6 U	3.4 U	4.0 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dibromoethane, 1,2-	50.7 U	5.7 U	3.3 U	3.1 U	3.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Dichlorobenzene, 1,2-	39.7 U	4.4 U	2.6 U	2.4 U	2.8 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,3-	39.7 U	4.4 U	2.6 U	2.4 U	2.8 U	1.2 U	1.2 U	4.8	0.54 J	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,4-	39.7 U	4.4 U	2.6 UJ	1.9 J	1.4 J	0.42 J	0.99 J	0.90 J	0.42 J	0.84 J	1.2 U	1.2 U	0.65 J	0.68 J
Dichlorodifluoromethane	32.6 U	3.7 U	2.7	2.7	2.5	2.6	2.4	2.5	14	2.8	3.1	2.4	1.2	1.3
Dichloroethane, 1,1-	26.7 U	3 U	1.7 U	1.6 U	1.9 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethane, 1,2-	26.7 U	3 U	1.7 U	1.6 U	1.9 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 UJ	0.81 U	0.81 U
Dichloroethene, 1,1-	26.2 U	2.9 U	1.7 U	1.6 U	1.8 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloroethene, cis-1,2-	26.2 U	2.9 U	1.7 U	1.6 U	1.8 U	0.79 U	0.79	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloropropane, 1,2-	30.5 U	3.4 U	2.0 U	1.9 U	2.2 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Dichloropropene, cis-1,3	30 U	3.4 U	1.9 U	1.8 U	2.1 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dichloropropene, trans-1,3	30 U	3.4 U	1.9 U	1.8 U	2.1 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dioxane, 1,4-	93.7 U	10.8 U	3.8 U	1.4 U	1.7 U	1.8 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 UJ	0.72 UJ
Dodecane, n-	NA	NA	0.74 J	23	1.8 J	1.0 J	2.9	37 J	13	2.8	1.4 U	0.56 J	0.52 J	2.4 J
Ethanol	120.6	52.8	15	5.7	19	2.4 U	2.5 J	0.94 J	9.9	0.56 J	1.9 U	0.79 J	1.9 U	1.9 U
Ethylthiophene, 2-	NA	NA	1.9 U	1.8 U	2.2 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	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	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
Ethyltoluene, p-	32.4 U	49.2	2.1 U	2 U	2.3 U	0.98 U	0.27 J	0.64 J	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Heptane, n-	27 U	12.7	1.7 U	4.1	3.3	0.82 U	0.32 J	0.94 J	0.33 J	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Hexachlorobutadiene	277.3 U	32 UJ	4.5 UJ	4.3 U	5.0 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Hexane, n-	23.3 U	12.3	0.75 J	160	170	0.32 J	6.4	8.8	0.25 J	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
Hexanone, 2-	106.5 U	12.3 U	4.3 U	1.6 U	1.9 U	0.82 U	0.35 J	0.82 U	0.82 U	0.82 U	0.82 U	2.0 U	0.82 U	0.82 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NA	14.5 U	2.0 U	2 U	2.3 U	0.97 U	0.24 J	0.72 J	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U
Indene	NA	14.3 U	2.0 U	1.9 U	2.2 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U
Isopropyl benzene	32.4 U	3.6 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	23.8 U	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	0.72 U	0.72 U
Methyl-2-pentanone, 4-	27 U	3 U	1.7 U	2.5	1.9 U	0.82 U	0.82 U	0.82 U	0.82 U	0.74 J	0.82 U	0.82 U	0.82 U	0.82 U
Methylene chloride	22.9 U	2.6 U	28	24	12	0.69 U	1.7 U	1.7 U	5.5	0.69 U	1.7 U	1.7 U	1.7 U	1.7 U
Methylnaphthalene, 1-	NA	NA	31 U	29 U	14 U	14 UJ	1.2 U	2.9 UJ	1.2 U	1.2 UJ	5.8 UJ	2.9 UJ	1.2 U	1.2 U
Methylnaphthalene, 2-	NA	NA	31 U	12 U	34 U	14 U	1.2 U	2.9 UJ	1.2 U	1.2 U	5.8 U	2.9 UJ	1.2 U	1.2 U
Methylthiophene, 2-	NA	NA	1.7 U	1.6 U	1.9 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Methylthiophene, 3-	NA	NA	1.7 U	1.6 U	1.9 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Naphthalene	136.3 UJ	15.7 U	5.6 U	1.4 J	2.0 J	0.37 J	1.1 J	1.1	1.5	1.0 J	1.0 U	1.0 U	1.0 U	1.0 U
Nonane	NA	NA	0.78 J	3.1	1.8 J	1.0 U	1.0 U	0.84 J	0.58 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Octane, n-	NA	NA	2.0 U	1.1 J	1.3 J	0.93 U	0.93 U	180	91	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U
Pentane	NA	NA	1.2 U	1.2 U	1.4 U	0.59 U	0.59 UJ	0.50 J	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U
Propanol, 2-	172.1	7.4 U	1.0	5.7	1.1 J	0.49 U	1.2 U	1.3 UJ	5.5 J	0.49 U	1.2 U	1.2 U	1.2 U	1.2 U
Propylbenzene, n-	32.4 U	12.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	28.1 U	3.3	1.8 U	1.7 U	0.60 J	0.85 U	0.36 J	0.72 J	0.26 J	0.26 J	0.85 U	0.85 U	0.85 U	0.85 U
t-Butyl alcohol	NA	NA	1.3 U	1.2 U	0.50 J	0.61 U	0.33 J	0.76	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U
Tetrachloroethane, 1,1,2,2-	45.3 U	5.1 U	2.9 U	2.8 U	3.2 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Tetrachloroethene	44.8 U	23.7	2.9 U	2.7 U	0.79 J	1.4 U	1.4 U	1.3 J	28	1.1 J	1.4 U	1.4 U	1.4 U	1.4 U
Tetrahydrofuran	19.5 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NA	NA	2.3 U	3 J	4.0 J	1.3	3.4	1.1 U	0.49 J	4.8	1.1 U	2.7 U	1.1 U	1.1 U
Thiophene	NA	NA	1.5 U	1.4 U	1.6 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Trans-1,2-dichloroethene	26.2 U	2.9 U	1.7 U	1.6 U	1.8 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	50.6 U	5.7 U	3.2 U	3.1 U	3.6 U	0.38 J	0.56 J	0.77 J	1.5 U	0.54 J	1.5 U	0.38 J	1.5 U	1.5 U
Trichlorobenzene, 1,2,4-	193 U	22.3 UJ	3.1 UJ	3 U	3.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Trichloroethane, 1,1,1-	36 U	4 U	2.3 U	2.2 UJ	2.6 U	1.1 U	1.1 U	1.1 U	1.8	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethane, 1,1,2-	36 U	4 U	2.3 U	2.2 U	2.6 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethene	35.5 U	4 U	2.3 U	2.2 U	2.5 U	1.1 U	2.3	1.1 U	0.54 J	0.54 J	1.1 U	1.1 U	1.1 U	1.1 U
Trichlorofluoromethane	37.1 U	6.7	1.9 J	6.6	7.4	3.5	2.7	12	4.7	9.3	3.7	2.1	5.4	6.5
Trimethylbenzene, 1,2,3-	NA	NA	0.73 J	1.2 J	1.4 J	0.98 U	1.2	3.4	0.44 J	0.79 J	0.98 U	0.98 U	0.98 U	0.98 U
Trimethylbenzene, 1,2,4-	32.4 U	59 J	1.5 J	4.5 J	2.2 J	0.44 J	0.37 J	0.74 J	0.79 J	0.49 J	0.98 U	0.98 U	0.98 U	0.98 U
Trimethylbenzene, 1,3,5-	32.4 U	15.7	2.1 U	1.2 J	0.80 J	0.98 U	0.65 J	1.9	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Trimethylpentane, 2,2,4-	7475.2	1121.3	2.0 U	1.9 U	2.2 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U
Undecane, n-	NA	NA	1.1 J	6.3	3.0 U	1.3 U	2.0	1.3 U	33	1.3 U	1.3 U	0.70 J	1.3 U	1.4
Vinyl bromide	NA	NA	1.8 U	1.8 U	2.0 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl chloride	16.9 U	1.9 U	1.1 U	1 U	1.2 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Other (%)														
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NA	NA	NA	NA	NA	NA	NA	NA	0.014 U	0.025	0.05	0.0161 U	0.0177	0.0199

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG-03 9/22/2009	OU2SG-03 12/30/2009	OU2SG-03 3/25/2010	OU2SG-03 6/8/2010	OU2SG-04 5/5/2005	OU2SG-04 8/30/2005	OU2SG-04 2/1/2006	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
BTEX (ug/m3)														
Benzene	1.2 U	1.3 U	1.3 U	1.3 U	3.8	2.5 U	7.7	15.7 U	11.8	1.3 U	2	2.7	0.22 J	0.23 J
Toluene	6.0	1.5 U	1.5 U	1.5 U	30.9	2.9 U	56.5	49	105.5	2.6	720	760	31	74
Ethylbenzene	11	1.7 U	1.7 U	1.7 U	7.8	3.4 U	14.3	21.3 U	27.8	0.97 J	10	9.4	0.43 J	0.92
Xylene, m,p-	27	3.5 U	3.5 U	3.5 U	29.1	3.5	36.9	24.8	91.2	3.0 J	31	28	1.3 J	2.9
Xylene, o-	6.1	1.7 U	1.7 U	1.7 U	10.4	3.4 U	9.1	21.3 U	26.1	1.1 J	9.9	8.4	0.52 J	1.8
Other VOCs (ug/m3)														
Acetaldehyde	8.0 J	9.0 U	3.7 J	6.8 J	NA	NA	NA	NA	NA	0.40 J	140 J	40	9.3 U	4.1 J
Acetone	4.8 U	3.6 U	1.2 J	4.8 U	356.3	19.7	76	546.4	228	8.3	40 J	7.9	7.6 U	2.5 U
Acrolein (propenal)	2.3 U	2.3 UJ	2.3 U	2.3 U	NA	NA	NA	NA	NA	0.93 U	2.3 U	0.99 U	0.46 U	1.2 U
Allyl chloride	1.2 U	1.2 U	1.2 U	1.2 U	9.4 U	9.7 U	9.4 U	59.5 U	8.8 U	1.3 U	1.3 U	1.4 U	0.63 U	0.63 U
Benzothiophene	2.2 U	2.2 U	2.2 U	5.5 U	NA	NA	NA	NA	NA	11 UJ	5.5 U	30 U	1.1 U	1.1 U
Bromodichloromethane	2.7 U	2.7 U	2.7 U	2.7 U	5 U	5.2 U	5 U	32.8 U	4.7 U	2.7 U	2.7 U	2.9 U	1.3 U	1.3 U
Bromoform	4.1 U	4.1 U	4.1 U	4.1 U	7.6 U	8.1 U	7.6 U	50.6 U	7.2 U	4.2 U	4.2 U	4.5 U	2.1 U	2.1 U
Bromomethane	1.6 U	1.6 U	1.6 U	1.6 U	2.9 U	3 U	2.9 U	19 U	2.7 U	1.6 U	1.6 U	1.7 U	0.78 U	0.78 U
Butadiene, 1,3-	0.88 U	0.88 U	0.88 U	0.88 U	2.2	1.7 U	1.6 U	10.8 U	7.5	0.90 U	0.89 U	0.95 U	0.44 U	0.44 U
Butane	1.0	0.95 U	0.95 U	0.95 U	NA	NA	NA	NA	NA	2.2	0.95 U	1.0 U	0.48 U	0.71
Butanone, 2-	0.88 J	1.2 U	1.2 U	1.2 U	25.4	2.3 U	8.8	17.1	17.1	1.2 J	4.7	1.3 U	1.9	1.5 U
Carbon disulfide	0.81 J	1.2 U	1.2 U	0.74 J	17.1	8.4	2.3 U	15.3 U	14.9	1.7	2.5 J	5.4	0.75	1.4
Carbon tetrachloride	2.5 U	2.5 U	2.5 U	2.5 U	4.7 U	4.9 U	4.7 U	30.8 U	4.4 U	2.6 U	2.5 UJ	2.7 U	1.3 U	1.3 U
Chlorobenzene	1.8 U	1.8 U	1.8 U	1.8 U	3.4 U	3.6 U	3.4 U	22.6 U	3.2 U	1.9 U	1.8 U	2.0 U	0.92 U	0.92 U
Chloroethane	1.0 U	1.0 U	1.0 U	1.0 U	2 U	2.1 U	2 U	12.9 U	1.8 U	1.1 U	1.1 U	1.1 U	0.53 U	0.53 U
Chloroform	0.59 J	2.0 U	0.88 J	0.62 J	3.6 U	3.8 U	3.6 U	23.9 U	3.4 U	2.0 U	2 U	1.3 J	0.34 J	0.43 J
Chloromethane	0.83 U	0.83 U	0.83 U	0.83 U	6.2 U	6.4 U	6.2 U	39.2 U	5.8 U	0.84 U	0.83 U	0.89 U	0.41 U	0.41 U
Chlorotoluene, 2-	2.1 U	2.1 U	2.1 U	2.1 U	NA	NA	NA	NA	NA	2.1 U	2.1 U	2.2 U	1.0 U	1.0 U
Cryofluorane	2.8 U	2.8 U	2.8 U	2.8 U	5.2 U	5.5 U	5.2 U	34.3 U	4.9 U	2.8 U	2.8 U	3.0 U	1.4 U	1.4 U
Cyclohexane	1.4 U	1.4 UJ	1.4 U	0.35 J	2.5 U	2.7 U	2.5 U	16.9 U	2.4 U	1.4 U	66	160	11	72
Decane, n-	4.3	2.3 U	2.3 U	2.3 U	NA	NA	NA	NA	NA	2.4 U	7.8	2.5 U	1.2 U	1.2 UJ
Dibromochloromethane	3.4 U	3.4 U	3.4 U	3.4 U	6.3 U	6.6 U	6.3 U	41.7 U	6 U	3.5 U	3.4 U	3.7 U	1.7 U	1.7 U
Dibromoethane, 1,2-	3.1 U	3.1 U	3.1 U	3.1 U	5.7 U	6 U	5.7 U	37.6 U	5.4 U	3.1 U	3.1 U	3.3 U	1.5 U	1.5 U
Dichlorobenzene, 1,2-	2.4 U	2.4 U	2.4 U	2.4 U	4.4 U	4.7 U	4.4 U	29.5 U	4.2 U	2.4 U	2.4 U	2.6 U	1.2 U	1.2 U
Dichlorobenzene, 1,3-	2.4 U	2.4 U	2.4 U	2.4 U	4.4 U	4.7 U	4.4 U	29.5 U	4.2 U	2.4 U	2.4 U	2.6 U	1.2 U	1.2 U
Dichlorobenzene, 1,4-	2.4 U	2.4 U	2.4 U	2.4 U	4.4 U	4.7 U	4.4 U	29.5 U	4.2 U	2.4 UJ	1.4 J	0.91 J	1.2 U	0.53 J
Dichlorodifluoromethane	3.0	3.1	2.5	2.4	3.7 U	3.9 U	3.8	24.2 U	3.5 U	2.7	2.7	2.7	2.6	1.9
Dichloroethane, 1,1-	1.6 U	1.6 U	1.6 U	1.6 U	3 U	3.2 U	3 U	19.8 U	2.8 U	1.6 U	1.6 U	1.8 U	0.81 U	0.81 U
Dichloroethane, 1,2-	1.6 U	1.6 U	1.6 U	1.6 U	3 U	3.2 U	3 U	19.8 U	2.8 U	1.6 U	1.2 J	1.8 U	0.81 U	0.81 U
Dichloroethene, 1,1-	1.6 U	1.6 U	1.6 U	1.6 U	2.9 U	3.1 U	2.9 U	19.4 U	2.8 U	1.6 U	1.6 U	1.7 U	0.79 U	0.79 U
Dichloroethene, cis-1,2-	1.6 U	1.6 U	1.6 U	1.6 U	2.9 U	3.1 U	2.9 U	19.4 U	2.8 U	1.6 U	1.6 U	1.7 U	0.79 U	0.79 U
Dichloropropane, 1,2-	1.8 U	1.8 UJ	1.8 U	1.8 U	3.4 U	3.6 U	3.4 U	22.6 U	3.2 U	1.9 U	1.9 U	2.0 U	0.92 U	0.92 U
Dichloropropene, cis-1,3	1.8 U	1.8 U	1.8 U	1.8 U	3.4 U	3.5 U	3.4 U	22.2 U	3.2 U	1.8 U	1.8 U	2.0 U	0.91 U	0.91 U
Dichloropropene, trans-1,3	1.8 U	1.8 U	1.8 U	1.8 U	3.4 U	3.5 U	3.4 U	22.2 U	3.2 U	1.8 U	1.8 U	2.0 U	0.91 U	0.91 U
Dioxane, 1,4-	1.4 U	1.4 UJ	1.4 U	1.4 U	10.8 U	11.2 U	10.8 U	68.5 U	10.1 U	3.6 U	1.4 U	1.6 U	1.8 U	0.72 U
Dodecane, n-	2.8 UJ	2.8 U	2.8 U	0.70 J	NA	NA	NA	NA	NA	2.8 U	13	1.6 J	0.77 J	1.4 J
Ethanol	3.8 U	3.8 U	3.8 U	3.8 U	105.5	5.8 U	26.4	114.9	41.5	20	290	140	8.7 U	1.4 J
Ethylthiophene, 2-	1.8 U	1.8 U	1.8 U	1.8 U	NA	NA	NA	NA	NA	1.9 U	1.8 U	2.0 U	0.92 U	0.92 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG-03 9/22/2009	OU2SG-03 12/30/2009	OU2SG-03 3/25/2010	OU2SG-03 6/8/2010	OU2SG-04 5/5/2005	OU2SG-04 8/30/2005	OU2SG-04 2/1/2006	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
Ethyltoluene, p-	1.8 J	2.0 U	2.0 U	2.0 U	11.3	3.8 U	4.9 J	24.1 U	35.4	2.0 U	1.8 J	1.2 J	0.98 U	0.52 J
Heptane, n-	1.1 J	1.6 U	1.6 U	1.6 U	3.4	3.4	7.4	20.1 U	9.8	1.7 U	6.2	6.5	0.49 J	1.6
Hexachlorobutadiene	4.3 U	4.3 U	4.3 U	4.3 U	32 U	33.1 U	32 U	202.6 U	29.9 UJ	4.3 UJ	4.3 U	4.6 U	2.1 U	2.1 U
Hexane, n-	0.92 J	1.4 U	1.4 U	1.4 U	3.9	2.7 U	7.4	17.3 U	10.6	1.8	260	420	8.5	40
Hexanone, 2-	1.6 U	1.6 U	1.6 U	1.6 U	12.3 U	12.7 U	12.3 U	77.8 U	11.5 U	4.2 U	1.6 U	1.8 U	0.33 J	0.82 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	0.58 J	1.9 U	1.9 U	1.9 U	NA	NA	NA	NA	13.5 U	2.0 U	0.99 J	0.73 J	0.97 U	0.97 U
Indene	1.9 U	1.9 U	1.9 U	1.9 U	NA	NA	NA	NA	13.3 U	1.9 U	1.9 U	2.0 U	0.95 U	0.95 U
Isopropyl benzene	NA	NA	NA	NA	3.6 U	3.8 U	3.6 U	24.1 U	3.4 U	NA	NA	NA	NA	NA
Methyl tert-butyl ether	1.4 U	1.4 U	1.4 U	1.4 U	2.7 U	2.8 U	2.7 U	17.7 U	2.5 U	1.5 U	1.4 U	1.6 U	0.72 U	0.72 U
Methyl-2-pentanone, 4-	1.6 U	1.6 UJ	1.6 U	1.6 U	3 U	3.2 U	3 U	20.1 U	2.9 U	1.7 U	2.9	1.8 U	0.82 U	0.82 U
Methylene chloride	3.4 U	1.2 J	3.5 U	1.9 J	2.6 U	2.7 U	2.6 U	17 U	2.4 U	23	20	10	0.69 U	1.7 U
Methylnaphthalene, 1-	2.3 UJ	2.3 U	5.8 U	5.8 U	NA	NA	NA	NA	NA	30 U	29 U	13 U	14 UJ	1.2 U
Methylnaphthalene, 2-	2.3 U	2.3 U	5.8 U	5.8 U	NA	NA	NA	NA	NA	30 U	12 U	31 U	14 U	1.2 U
Methylthiophene, 2-	1.6 U	1.6 U	1.6 U	1.6 U	NA	NA	NA	NA	NA	1.6 U	1.6 U	1.7 U	0.80 U	0.80 U
Methylthiophene, 3-	1.6 U	1.6 U	1.6 U	1.6 U	NA	NA	NA	NA	NA	1.6 U	1.6 U	1.7 U	0.80 U	0.80 U
Naphthalene	2.1 U	2.1 U	2.1 U	2.1 U	15.7 UJ	16.3 U	15.7 U	99.6 UJ	14.7 U	5.3 U	2.1 U	1.1 J	1.0 U	1.0 UJ
Nonane	12	2.1 U	2.1 U	2.1 U	NA	NA	NA	NA	NA	0.53 J	3.1	2.5	1.0 U	0.40 J
Octane, n-	7.2	1.9 U	1.9 U	1.9 U	NA	NA	NA	NA	NA	1.9 U	1.6 J	1.5 J	0.93 U	0.34 J
Pentane	0.94 J	1.2 U	1.2 U	1.2 U	NA	NA	NA	NA	NA	1.1 J	1.2 U	0.64 J	0.59 U	0.59 UJ
Propanol, 2-	1.8 J	2.5 U	2.5 U	2.5 U	16.2	7.6 U	7.4 U	46.7 U	6.9 U	1.0 J	1.9 J	0.95 J	1.1 J	1.2 U
Propylbenzene, n-	NA	NA	NA	NA	3.6 U	3.8 U	3.6 U	24.1 U	8.8	NA	NA	NA	NA	NA
Styrene	1.7 U	1.7 U	1.7 U	1.7 U	3.2 U	3.3 U	3.2 U	20.9 U	3 U	1.7 U	1.7 U	1.8 U	0.85 U	0.85 U
t-Butyl alcohol	1.2 U	1.2 U	1.2 U	1.2 U	NA	NA	NA	NA	NA	1.2 U	1.2 U	1.0 J	0.61 U	0.24 J
Tetrachloroethane, 1,1,2,2-	2.7 U	2.7 U	2.7 U	2.7 U	5.1 U	5.4 U	5.1 U	33.6 U	4.8 U	2.8 U	2.8 U	3.0 U	1.4 U	1.4 U
Tetrachloroethene	0.81 J	2.7 U	2.7 U	1.2 J	5 U	5.3 U	8.1	34.6	19	2.8 U	6.7	5.7	1.8	2.7
Tetrahydrofuran	NA	NA	NA	NA	2.2 U	2.3 U	2.2 U	14.5 U	2.1 U	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	2.2 U	2.2 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	2.2 U	2.6 J	3.0 J	0.99 J	3.4
Thiophene	1.4 U	1.4 UJ	1.4 U	1.4 U	NA	NA	NA	NA	NA	1.4 U	1.4 U	1.5 U	0.69 U	0.69 U
Trans-1,2-dichloroethene	1.6 U	1.6 U	1.6 U	1.6 U	2.9 U	3.1 U	2.9 U	19.4 U	2.8 U	1.6 U	1.6 U	1.7 U	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	0.92 J	3.1 U	3.1 U	3.1 U	5.7 U	6 U	5.7 U	37.6 U	5.4 U	0.78 J	3.1 U	3.3 U	0.54 J	0.58 J
Trichlorobenzene, 1,2,4-	3.0 U	3.0 U	3.0 U	3.0 U	22.3 U	23 U	22.3 U	141 U	20.8 UJ	3.0 UJ	3 U	3.2 U	1.5 U	1.5 U
Trichloroethane, 1,1,1-	2.2 U	2.2 U	2.2 U	2.2 U	4 U	4.3 U	4 U	26.7 U	3.8 U	2.2 U	2.2 UJ	2.4 U	1.1 U	1.1 U
Trichloroethane, 1,1,2-	2.2 U	2.2 U	2.2 U	2.2 U	4 U	4.3 U	4 U	26.7 U	3.8 U	2.2 U	2.2 U	2.4 U	1.1 U	1.1 U
Trichloroethene	2.2 U	2.2 U	2.2 U	0.76 J	4 U	4.2 U	4 U	26.3 U	3.8 U	2.2 U	2.2 U	2.3 U	1.1 U	1.1 U
Trichlorofluoromethane	3.3 J	1.8 J	2.0 J	3.3	4.2 U	4.4 U	4.2 U	27.5 U	3.9 U	1.2 J	1.9 J	1.7 J	1.4	1.1 J
Trimethylbenzene, 1,2,3-	2.0 U	2.0 U	2.0 U	2.0 U	NA	NA	NA	NA	NA	0.70 J	1.7 J	1.4 J	0.98 U	0.36 J
Trimethylbenzene, 1,2,4-	2.2	2.0 U	2.0 U	2.0 U	10.8	3.8 U	3.9	24.1 U	43.3 J	1.7 J	8.1 J	3.5	0.54 J	0.48 J
Trimethylbenzene, 1,3,5-	2.2	2.0 U	2.0 U	2.0 U	4	3.8 U	3.6 U	24.1 U	10.8	2.0 U	2.3	1.5 J	0.98 U	0.57 J
Trimethylpentane, 2,2,4-	1.9 U	1.9 U	1.9 U	1.9 U	3.5 U	3.6 U	794.2	5606.4	981.1	1.9 U	1.1 J	1.1 J	0.93 U	0.93 U
Undecane, n-	2.6 U	2.6 U	2.6 U	2.6 U	NA	NA	NA	NA	NA	2.6 U	4.7	2.8 U	2.7	5.4
Vinyl bromide	1.8 U	1.8 U	1.8 U	1.8 U	NA	NA	NA	NA	NA	1.8 U	1.8 U	1.9 U	0.87 U	0.87 U
Vinyl chloride	1.0 U	1.0 U	1.0 U	1.0 U	1.9 U	2 U	1.9 U	12.5 U	1.8 U	1.0 U	1 U	1.1 U	0.51 U	0.51 U
Other (%)														
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	0.044	0.0158 U	0.017 U	0.019	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:	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	OU2SG-04 3/25/2010	OU2SG-04 6/8/2010	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
BTEX (ug/m3)														
Benzene	0.26 J	0.64 U	0.64 U	0.64 U	0.64 U	1.2 U	1.3 U	1.3 U	1.3 U	5.4	10.2	5.4	11.5 U	11.8
Toluene	130	0.79	4.0	0.75	0.23 J	1.5 U	1.5 U	1.5 U	1.5 U	16.2	45.2	30.9	35.4	113.1
Ethylbenzene	1.6	0.87 U	0.87 U	0.87 U	0.87 U	1.7 U	1.7 U	1.7 U	1.7 U	3.3 U	11.3	6.9	15.6 U	21.3
Xylene, m,p-	4.0	1.7 U	1.7 U	1.7 U	1.7 U	3.5 U	3.5 U	3.5 U	3.5 U	10	47.8	14.8	27.8	69.5
Xylene, o-	1.7	0.87 U	0.87 U	0.87 U	0.87 U	1.7 U	1.7 U	1.7 U	1.7 U	3.3 U	16.5	4.8	15.6 U	18.7
Other VOCs (ug/m3)														
Acetaldehyde	19	1.8 UJ	3.4 U	2.1 U	4.5 U	10	9.0 U	4.0 J	13	NA	NA	NA	NA	NA
Acetone	6.2	1.7	2.7 U	1.8 U	1.8 U	8.1 UJ	0.90 J	2.0 J	4.6 J	180.5	178.2	33.3	261.3	156.8
Acrolein (propenal)	0.53	0.46 U	0.46 U	0.46 U	1.2 U	2.3 U	2.3 UJ	2.3 U	2.3 U	NA	NA	NA	NA	NA
Allyl chloride	0.63 UJ	0.63 U	0.63 U	0.63 U	0.63 U	1.2 U	1.2 U	1.2 U	1.2 U	9.4 U	10 U	8.8 U	43.8 U	10.3 U
Benzothiophene	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	NA	NA	NA	NA	NA
Bromodichloromethane	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	5.1 U	5.4 U	4.7 U	24.1 U	5.5 U
Bromoform	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	7.9 U	8.3 U	7.2 U	37.2 U	8.5 U
Bromomethane	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	3 U	3.1 U	2.7 U	14 U	3.2 U
Butadiene, 1,3-	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	1.7 U	6	4	8 U	3.1
Butane	0.59	0.93	0.43 J	0.40 J	0.48 U	0.95 U	0.95 U	0.95 U	0.95 U	NA	NA	NA	NA	NA
Butanone, 2-	1.5	0.59 U	0.59 U	0.59 U	0.59 U	2.4	1.2 U	1.2 U	1.2 J	28	19.2	4.7 J	12.1	20.6
Carbon disulfide	4.2	2.1	0.39 J	0.62 U	2.5	1.9	1.3	1.2 U	2.2	2.4 U	9.7	3.7	11.2 U	4.7
Carbon tetrachloride	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	4.8 U	5 U	4.4 U	22.6 U	5.2 U
Chlorobenzene	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	3.5 U	3.7 U	3.2 U	16.6 U	3.8 U
Chloroethane	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	2 U	2.1 U	1.8 U	9.5 U	2.2 U
Chloroform	1.0	1.5	0.28 J	0.59 J	0.64 J	0.59 J	0.49 J	0.49 J	0.58 J	3.7 U	8.8	3.4 U	17.6 U	6.8
Chloromethane	0.41 U	0.41 U	0.24 J	0.41 U	0.41 U	1.2 U	0.83 U	0.83 U	0.83 U	6.2 U	6.6 U	5.8 U	28.9 U	6.8 U
Chlorotoluene, 2-	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	NA	NA	NA	NA	NA
Cryofluorane	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	5.3 U	5.6 U	4.9 U	25.2 U	5.7 U
Cyclohexane	78	2.8	9.7	15	0.69 U	1.4 U	1.4 UJ	1.4 U	1.4 U	213.4	2.8 U	2.4 U	12.4 U	2.8 U
Decane, n-	62	1.2 U	1.2 U	1.2 U	1.2 U	2.3 U	2.3 U	2.3 U	2.3 U	NA	NA	NA	NA	NA
Dibromochloromethane	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	6.5 U	6.8 U	6 U	30.7 U	7 U
Dibromoethane, 1,2-	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	5.8 U	6.1 U	5.4 U	27.7 U	6.3 U
Dichlorobenzene, 1,2-	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	4.6 U	4.8 U	4.2 U	21.6 U	4.9 U
Dichlorobenzene, 1,3-	5.6	1.2 U	1.2 U	1.2 U	1.2 U	2.4 U	2.4 U	2.4 U	2.4 U	4.6 U	4.8 U	4.2 U	21.6 U	4.9 U
Dichlorobenzene, 1,4-	0.60 J	1.2 U	1.2 U	1.2 U	0.43 J	2.4 U	2.4 U	2.4 U	2.4 U	4.6 U	4.8 U	4.2 U	21.6 U	4.9 U
Dichlorodifluoromethane	2.1	2.7	2.9	2.4	1.2	2.6	3.1	2.3	2.3	3.8 U	4 U	3.5 U	17.8 U	4.1 U
Dichloroethane, 1,1-	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	3.1 U	3.2 U	2.8 U	14.6 U	3.3 U
Dichloroethane, 1,2-	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	3.1 U	3.2 U	2.8 U	14.6 U	3.3 U
Dichloroethene, 1,1-	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	3 U	3.2 U	2.8 U	14.3 U	3.3 U
Dichloroethene, cis-1,2-	0.79 U	0.79 U	0.79 U	0.83	0.79 U	1.6 U	1.6 U	1.6 U	1.6 U	3 U	3.2 U	2.8 U	14.3 U	3.3 U
Dichloropropane, 1,2-	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	3.5 U	3.7 U	3.2 U	16.6 U	3.8 U
Dichloropropene, cis-1,3	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	3.4 U	3.6 U	3.2 U	16.3 U	3.7 U
Dichloropropene, trans-1,3	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	3.4 U	3.6 U	3.2 U	16.3 U	3.7 U
Dioxane, 1,4-	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	10.8 U	11.5 U	10.1 U	50.4 U	11.9 U
Dodecane, n-	37 J	0.35 J	1.4 U	3.5 U	0.77 J	1.1 J	2.8 U	2.8 U	2.8 U	NA	NA	NA	NA	NA
Ethanol	1.3 J	1.9 U	0.68 J	0.60 J	2.1 U	3.8 U	3.8 U	3.8 U	1.8 J	49	30.1	35.8	69.7	58.4
Ethylthiophene, 2-	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	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:	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	OU2SG-04 3/25/2010	OU2SG-04 6/8/2010	OU2SG-04 5/25/2005	OU2SG-05 8/31/2005	OU2SG-05 2/2/2006	OU2SG-05 6/15/2006	OU2SG-05 9/8/2006
Ethyltoluene, p-	0.69 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	3.7 U	16.7	3.4 U	17.7 U	20.2
Heptane, n-	2.4 J	0.82 U	0.82 U	1.4	0.82 U	1.6 U	1.6 U	1.6 U	1.6 U	225.4	16.4	3.5	14.8 U	10.2
Hexachlorobutadiene	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	32 U	34.1 U	29.9 U	149.3 U	35.2 UJ
Hexane, n-	56	0.70 U	2.3	0.70 U	0.70 U	1.4 U	1.4 U	1.4 U	1.4 U	4.2 J	15.2	6.3	12.7 U	10.6
Hexanone, 2-	0.82 U	0.82 U	0.82 U	2.0 U	0.82 U	1.6 U	1.6 U	1.6 U	1.6 U	12.3 U	13.1 U	11.5 U	57.4 U	13.5 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	1.9 U	1.9 U	1.9 U	1.9 U	NA	NA	NA	NA	16 U
Indene	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	NA	NA	NA	NA	15.7 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.7 U	3.9 U	3.4 U	17.7 U	4 U
Methyl tert-butyl ether	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	3	4.3	2.5 U	13 U	3 U
Methyl-2-pentanone, 4-	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	1.6 U	1.6 UJ	1.6 U	1.6 U	3.1 U	3.3 U	2.9 U	14.7 U	3.4 U
Methylene chloride	1.7 U	0.76 U	1.0 U	1.7 U	1.7 U	3.5 U	1.0 J	3.5 U	2.2 J	2.6 U	2.8 U	2.4 U	12.5 U	2.8 U
Methylnaphthalene, 1-	2.9 UJ	1.2 UJ	5.8 UJ	2.9 UJ	1.2 U	2.3 UJ	2.3 U	5.8 U	5.8 U	NA	NA	NA	NA	NA
Methylnaphthalene, 2-	2.9 UJ	1.2 U	5.8 U	2.9 UJ	1.2 U	2.3 U	2.3 U	5.8 U	5.8 U	NA	NA	NA	NA	NA
Methylthiophene, 2-	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	NA	NA	NA	NA	NA
Methylthiophene, 3-	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	NA	NA	NA	NA	NA
Naphthalene	1.1	1.0 U	1.0 U	1.0 U	1.0 U	2.1 U	2.1 U	2.1 U	2.1 U	15.7 U	16.8 U	14.7 U	73.4 UJ	17.3 U
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	NA	NA	NA	NA	NA
Octane, n-	230	0.93 U	0.93 U	0.93 U	0.93 U	1.9 U	1.9 U	1.9 U	1.9 U	NA	NA	NA	NA	NA
Pentane	0.97	0.59 U	0.40 J	0.59 U	0.59 U	1.2 U	1.2 U	1.2 U	1.2 U	NA	NA	NA	NA	NA
Propanol, 2-	1.2 UJ	0.49 U	1.2 U	1.2 U	1.2 U	1.6 J	2.5 U	2.5 U	2.5 U	7.4 U	7.9 U	6.9 U	90.9	8.1 U
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.7 U	3.9 U	3.4 U	17.7 U	5.4
Styrene	0.55 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	3.2 U	3.4 U	3 U	15.3 U	3.5 U
t-Butyl alcohol	0.88	0.61 U	0.61 U	0.61 U	0.61 U	0.36 J	1.2 U	1.2 U	1.2 U	NA	NA	NA	NA	NA
Tetrachloroethane, 1,1,2,2-	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	5.2 U	5.5 U	4.8 U	24.7 U	5.6 U
Tetrachloroethene	3.3	2.9	0.98 J	3.2	3.1 U	1.1 J	2.7 U	3.1	0.96 J	32.6	5.9	5.4	27.8	14.9
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.2 U	2.4 U	2.1 U	10.6 U	2.4 U
Tetramethylbenzene, 1,2,4,5-	2.7 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	NA	NA	NA	NA	NA
Thiophene	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	NA	NA	NA	NA	NA
Trans-1,2-dichloroethene	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	3 U	3.2 U	2.8 U	14.3 U	3.3 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	0.54 J	0.46 J	0.59 J	0.46 J	1.5 U	1.1 J	3.1 U	3.1 U	3.1 U	5.8 U	6.1 U	5.4 U	27.6 U	6.3 U
Trichlorobenzene, 1,2,4-	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	22.3 U	23.7 U	20.8 U	103.9 U	24.5 UJ
Trichloroethane, 1,1,1-	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	4.1 U	4.4 U	3.8 U	19.6 U	4.5 U
Trichloroethane, 1,1,2-	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	4.1 U	4.4 U	3.8 U	19.6 U	4.5 U
Trichloroethene	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	4.1 U	4.3 U	3.8 U	19.3 U	4.4 U
Trichlorofluoromethane	1.5	1.6	1.5	1.2	1.4	2.0 J	1.5 J	1.4 J	1.2 J	4.3 U	4.5 U	3.9 U	20.2 U	4.6 U
Trimethylbenzene, 1,2,3-	3.4	0.98 U	0.98 U	0.98 U	0.98 U	2.0 U	2.0 U	2.0 U	2.0 U	NA	NA	NA	NA	NA
Trimethylbenzene, 1,2,4-	1.1	0.98 U	0.98 U	0.98 U	0.98 U	2.0 U	2.0 U	2.0 U	2.0 U	3.7 U	15.7	3.4 U	17.7 U	21.6 J
Trimethylbenzene, 1,3,5-	1.8	0.98 U	0.98 U	0.98 U	0.98 U	2.0 U	2.0 U	2.0 U	2.0 U	3.7 U	5.9	3.4 UJ	17.7 U	5.4
Trimethylpentane, 2,2,4-	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	3.6 U	15.4	462.5	4111.4	607.4
Undecane, n-	11	1.3 U	1.3 U	0.45 J	1.3 U	2.6 U	2.6 U	2.6 U	2.6 U	NA	NA	NA	NA	NA
Vinyl bromide	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	NA	NA	NA	NA	NA
Vinyl chloride	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	1.9 U	2 U	1.8 U	9.2 U	2.1 U
Other (%)														
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	0.0177 U	0.037	0.037	0.0176 U	0.0176	0.046	0.0158 U	0.0172 U	0.0166 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:	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	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
BTEX (ug/m3)														
Benzene	2.7	1.3 U	1.5 UJ	0.56 J	0.41 J	0.19 J	0.51 J	0.64 U	0.64 U	0.64 U	0.64 U	1.3 U	1.3 U	0.26 J
Toluene	42	44	21	1.6 J	1.9	0.62 J	8.4	0.34 J	0.23 J	0.72 J	0.76	1.5 U	1.5 U	1.2
Ethylbenzene	2.6	1.7 U	2 U	1.9 U	0.87 U	0.87 U	0.39 J	0.87 U	0.87 U	0.87 U	0.87 U	1.7 U	1.7 U	0.87 U
Xylene, m,p-	7.1	1.4 J	1.1 J	3.8 U	1.7 U	1.7 U	1.4 J	1.7 U	1.7 U	1.7 U	1.7 U	3.5 U	3.5 U	1.7 U
Xylene, o-	2.5	1.7 U	1.2 J	1.9 U	0.87 U	0.87 U	0.78 J	0.87 U	0.87 U	0.87 U	0.87 U	1.7 U	1.7 U	0.87 U
Other VOCs (ug/m3)														
Acetaldehyde	2.8 J	96	44	24	1.8 U	4.5 U	16	3.2 J	4.5 UJ	3.6 U	4.5 U	3.8 J	9.0 U	4.5 U
Acetone	22	8.1	16 J	4.9	5.2 U	2.6 U	8.1	2.2	1.4 U	1.8 U	7.5 U	4.8 U	3.6 U	1.1 J
Acrolein (propenal)	1.0 U	0.91 UJ	1.1 U	1.0 U	0.46 U	1.2 U	0.62	0.46 U	0.46 U	0.46 U	1.2 U	2.3 U	2.3 U	1.2 U
Allyl chloride	1.4 U	1.2 U	1.5 U	1.4 U	0.63 U	0.63 U	0.63 UJ	0.63 U	0.63 U	0.63 U	0.63 U	1.2 U	1.2 U	0.63 U
Benzothiophene	12 UJ	2.2 J	2.6 U	2.4 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 UJ	14 UJ	1.1 U	2.2 U	2.2 U	1.1 U
Bromodichloromethane	3.0 U	2.7 U	3.1 U	3.0 U	1.3 U	1.3 U	1.3 U	0.74 J	1.3 U	1.3 U	0.44 J	2.7 U	2.7 U	1.3 U
Bromoform	4.6 U	4.1 U	4.8 U	4.6 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.1 U	4.1 U	2.1 U
Bromomethane	1.7 U	1.5 U	1.8 U	1.7 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	1.6 U	1.6 U	0.78 U
Butadiene, 1,3-	0.98 U	0.88 U	1 U	0.98 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.88 U	0.88 U	0.44 U
Butane	16	0.52 J	2.1	1.0 U	6.4	2.1	0.36 J	0.69	1.2	0.55	0.43 J	0.95 U	0.43 J	3.6
Butanone, 2-	3.1 J	2.7 J	1.9	1.6	0.59 U	0.24 J	1.7	0.38 J	0.59 U	0.59 U	0.59 U	1.2 U	1.2 U	0.59 U
Carbon disulfide	11	6.7 J	7.6	2.2	1.0	0.56 J	23	2.2	0.41 J	0.84 U	2.6	1.2	0.50 J	0.62 U
Carbon tetrachloride	2.8 U	2.5 U	2.9 UJ	2.8 U	1.3 U	0.36 J	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	2.5 U	2.5 U	0.38 J
Chlorobenzene	2.0 U	1.8 U	2.2 U	2.0 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	1.8 U	0.92 U
Chloroethane	1.2 U	1 U	1.2 U	1.2 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	1.0 U	1.0 U	0.53 U
Chloroform	2.7	10	19	6.9	1.9	1.6	9.2	9.8	1.3	1.6	5.9	3.0	0.68 J	0.63 J
Chloromethane	1.5 J	0.46 J	0.62 J	0.91 U	0.41 U	0.14 J	0.41 U	0.41 U	0.26 J	0.23 J	0.41 UJ	0.83 UJ	0.37 J	0.12 J
Chlorotoluene, 2-	2.3 U	2.1 U	2.4 U	2.3 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.1 U	2.1 U	1.0 U
Cryofluorane	3.1 U	2.8 U	3.3 U	3.1 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	2.8 U	2.8 U	1.4 U
Cyclohexane	15	11	4.6	1.5 U	0.93	0.62 J	2.1	0.34 J	0.69 U	0.69 U	0.24 J	1.4 U	1.4 U	0.21 J
Decane, n-	0.90 J	1.6 J	2.7 U	2.6 U	1.2 U	1.2 U	48	1.2 U	1.2 U	1.2 U	1.2 U	2.3 U	2.3 U	1.2 U
Dibromochloromethane	3.8 U	3.4 U	4 U	3.8 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	3.4 U	3.4 U	1.7 U
Dibromoethane, 1,2-	3.4 U	3.1 U	3.6 U	3.4 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.1 U	3.1 U	1.5 U
Dichlorobenzene, 1,2-	2.7 U	2.4 U	2.8 U	2.7 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	2.4 U	2.4 U	1.2 U
Dichlorobenzene, 1,3-	2.7 U	2.4 U	2.8 U	2.7 U	1.2 U	1.2 U	4.3	1.2 U	1.2 U	1.2 U	1.2 U	2.4 U	2.4 U	1.2 U
Dichlorobenzene, 1,4-	2.7 UJ	1.3 J	1.8 J	2.7 U	1.2 U	1.2 U	0.36 J	1.2 U	1.2 U	1.2 U	1.2 U	2.4 U	2.4 U	1.2 U
Dichlorodifluoromethane	2.6	2.5	3.1	2.7	2.7	2.2	2.7	2.8	2.3	2.9	2.5	2.7	2.4	2.2
Dichloroethane, 1,1-	1.8 U	1.6 U	1.9 U	1.8 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	1.6 U	1.6 U	0.81 U
Dichloroethane, 1,2-	1.8 U	1.6 U	1.9 U	1.8 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	1.6 U	1.6 U	0.81 U
Dichloroethene, 1,1-	1.8 U	1.6 U	1.8 U	1.8 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	1.6 U	0.79 U
Dichloroethene, cis-1,2-	1.8 U	1.6 U	1.8 U	1.8 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	1.6 U	0.79 U
Dichloropropane, 1,2-	2.0 U	1.8 U	2.2 U	2.0 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	1.8 U	0.92 U
Dichloropropene, cis-1,3	2.0 U	1.8 U	2.1 U	2.0 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	1.8 U	1.8 U	0.91 U
Dichloropropene, trans-1,3	2.0 U	1.8 U	2.1 U	2.0 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	1.8 U	1.8 U	0.91 U
Dioxane, 1,4-	4.0 U	3.6 U	1.7 U	1.6 U	1.8 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 UJ	1.4 U	1.4 U	0.72 U
Dodecane, n-	3.1 U	8.6 J	2.5 J	3.1 U	0.42 J	0.41 J	34 J	0.35 J	1.4 UJ	1.4 U	0.65 J	1.2 J	2.8 UJ	0.35 J
Ethanol	56	4.6	13	10	2.9 U	1.1 J	2.6	1.1 J	0.54 J	1.9 U	3.3 U	3.8 U	3.8 U	1.9 U
Ethylthiophene, 2-	2.0 U	1.8 U	2.2 U	2.0 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	1.8 U	0.92 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	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	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
Ethyltoluene, p-	0.55 J	2 U	2.3 U	2.2 U	0.98 U	0.98 U	0.39 J	0.98 U	0.98 U	0.98 U	0.98 U	2.0 U	2.0 U	0.98 U
Heptane, n-	2.6	1.6 U	1.9 U	1.8 U	0.29 J	0.82 U	0.61 J	0.82 U	0.82 U	0.82 U	0.82 U	1.6 U	1.6 U	0.82 U
Hexachlorobutadiene	4.7 UJ	4.1 J	5 U	4.7 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.3 U	4.3 U	2.1 U
Hexane, n-	62	3.8	3.1	4.6	0.28 J	0.24 J	0.39 J	0.70 U	0.70 U	0.70 U	0.70 U	1.4 U	1.4 U	0.28 J
Hexanone, 2-	4.5 U	1.6 U	1.9 U	1.8 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	1.6 U	1.6 U	0.82 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	0.54 J	1.9 U	2.3 U	2.1 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	1.9 U	1.9 U	0.97 U
Indene	2.1 U	1.9 U	2.2 U	2.1 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	1.9 U	1.9 U	0.95 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	1.6 U	1.4 U	1.7 U	1.6 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	1.4 U	1.4 U	0.72 U
Methyl-2-pentanone, 4-	1.8 U	1.6 U	1.9 U	1.8 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	1.6 U	1.6 U	0.82 U
Methylene chloride	27 J	7	1.9	9.5	0.69 U	0.35 J	2.1 U	1.5 U	1.7 U	1.7 U	1.7 U	3.5 U	3.5 U	0.52 J
Methylnaphthalene, 1-	32 U	3 J	2.7 U	2.6 U	14 U	1.2 U	2.9 UJ	1.2 U	R	5.8 U	1.2 U	2.3 UJ	2.3 U	2.9 UJ
Methylnaphthalene, 2-	32 U	3.2 J	34 U	2.6 U	14 UJ	1.2 U	2.9 UJ	1.2 U	14 UJ	5.8 U	1.2 U	2.3 U	2.3 U	2.9 UJ
Methylthiophene, 2-	1.8 U	1.6 U	1.9 U	1.8 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	1.6 U	1.6 U	0.80 U
Methylthiophene, 3-	1.8 U	1.6 U	1.9 U	1.8 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	1.6 U	1.6 U	0.80 U
Naphthalene	5.8 U	2.7	2.4 U	2.3 U	1.0 U	1.0 U	1.1	1.0 U	1.0 UJ	1.0 U	1.0 U	2.1 U	2.1 U	1.0 U
Nonane	1.3 J	2.1 U	2.4 U	2.3 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	2.1 U	2.1 U	1.0 U
Octane, n-	1.2 J	1.9 U	2.2 U	2.1 U	0.93 U	0.93 U	200	0.75 J	0.93 U	0.93 U	0.93 U	1.9 U	1.9 U	0.93 U
Pentane	9.4	1.2 U	3.6	0.52 J	1.7	0.86	0.80	0.59 U	0.45 J	0.59 U	0.31 J	1.2 U	1.2 U	2.0
Propanol, 2-	2.7	4.9 U	15 J	0.76 J	0.49 U	0.38 J	1.2 UJ	0.49 U	0.44 J	0.52 U	1.2 U	1.6 J	2.5 U	0.66 J
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	1.9 U	1.7 U	2 U	1.9 U	0.85 U	0.85 U	0.43 J	0.85 U	0.85 U	0.85 U	0.85 U	1.7 U	1.7 U	0.85 U
t-Butyl alcohol	1.3 U	1.2	0.83 J	1.3 U	0.61 U	0.61 U	1.7 J	0.61 U	0.61 U	0.61 U	0.61 U	1.2 U	1.2 U	0.61 U
Tetrachloroethane, 1,1,2,2-	3.0 U	2.7 U	3.2 U	3.0 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	2.7 U	2.7 U	1.4 U
Tetrachloroethene	0.90 J	2.4 J	1.8 J	1.4 J	0.41 J	0.49 J	16	1.8	1.4 U	0.34 J	1.4 U	1.5 J	2.7 U	1.4 U
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	2.4 U	5.2	2.4 J	2.4 U	1.1 U	1.1 U	2.1 J	1.1 U	1.1 U	5.5 U	1.1 U	2.2 U	2.2 U	1.1 U
Thiophene	1.5 U	1.4 U	1.6 UJ	1.5 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	1.4 U	1.4 U	0.69 U
Trans-1,2-dichloroethene	1.8 U	1.6 U	1.8 U	1.8 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	1.6 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.4 U	3 U	3.6 U	3.4 U	0.54 J	1.5 U	0.61 J	0.54 J	0.59 J	0.61 J	1.5 U	0.92 J	3.1 U	0.54 J
Trichlorobenzene, 1,2,4-	3.3 UJ	3.3	3.5 U	3.3 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 UJ	1.5 U	1.5 U	3.0 U	3.0 U	1.5 U
Trichloroethane, 1,1,1-	2.4 U	2.2 U	2.6 U	2.4 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	2.2 U	1.1 U
Trichloroethane, 1,1,2-	2.4 U	2.2 U	2.6 U	2.4 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	2.2 U	1.1 U
Trichloroethene	2.4 U	2.1 U	2.5 U	2.4 U	0.32 J	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	2.2 U	1.1 U
Trichlorofluoromethane	1.7 J	1.9 J	2.9	2.0 J	1.3	1.2	2.8	2.0	1.4	1.5	2.4	2.7 J	1.1 J	1.3
Trimethylbenzene, 1,2,3-	0.98 J	1.1 J	2.3 U	2.2 U	0.98 U	0.98 U	2.6	0.98 U	0.98 U	0.98 U	0.98 U	2.0 U	2.0 U	0.98 U
Trimethylbenzene, 1,2,4-	2.2	1.2 J	2.3 U	2.2 U	0.98 U	0.98 U	0.69 J	0.98 U	0.98 U	0.98 U	0.98 U	2.0 U	2.0 U	0.98 U
Trimethylbenzene, 1,3,5-	0.76 J	2 U	2.3 U	2.2 U	0.98 U	0.98 U	1.3	0.98 U	0.98 U	0.98 U	0.98 U	2.0 U	2.0 U	0.98 U
Trimethylpentane, 2,2,4-	3.7 J	1.9 U	2.2 U	2.1 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	1.9 U	1.9 U	0.93 U
Undecane, n-	2.8 U	2.5 U	1.4 J	2.8 U	1.3 U	1.3 U	8.2	1.3 UJ	1.3 U	1.3 U	1.3 U	2.6 U	2.6 U	1.3 U
Vinyl bromide	1.9 U	1.7 U	2 U	1.9 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	1.8 U	1.8 U	0.87 U
Vinyl chloride	1.1 U	1 U	1.2 U	1.1 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	1.0 U	1.0 U	0.51 U
Other (%)														
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NA	NA	NA	NA	NA	NA	0.436	0.429	0.661	1.91	3.41	0.17	0.118	0.208

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG-05 6/8/2010	OU2SG-06 5/5/2005	OU2SG-06 8/30/2005	OU2SG-06 2/2/2006	OU2SG-06 6/14/2006	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
BTEX (ug/m3)														
Benzene	1.3 U	6.4	8.9	7	13.4 U	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
Toluene	1.5 U	37.7	101.7	75.4	36.2	128.1	4.9	73	15	26	4.0	6.5	2.1	0.32 J
Ethylbenzene	1.7 U	8.3	30	16.5	18.2 U	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
Xylene, m,p-	3.5 U	31.3	125.9	60.8	19.1	108.6	5.5	13	0.82 J	0.35 J	0.23 J	0.26 J	1.7 U	1.7 U
Xylene, o-	1.7 U	10.9	42.1	14.8	18.2 U	29.5	2.5	7.3	2.0 U	0.35 J	0.87 U	0.87 U	0.87 U	0.87 U
Other VOCs (ug/m3)														
Acetaldehyde	4.4 J	NA	NA	NA	NA	NA	4.0 J	260	25	3.3 U	4.5 U	7.1 U	3.9 J	6.1
Acetone	2.0 J	831.4 EJ	201.9	71.3	451.3	235.2	12	15	6.4	2.0 U	1.4 U	4.1 U	0.99	2.5 U
Acrolein (propenal)	2.3 U	NA	NA	NA	NA	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
Allyl chloride	1.2 U	9.1 U	9.4 U	9.4 U	53.2 U	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
Benzothiophene	5.5 U	NA	NA	NA	NA	NA	11 UJ	2.2 UJ	2.6 U	1.1 U	1.1 UJ	1.1 U	1.1 U	1.1 UJ
Bromodichloromethane	2.7 U	4.9 U	5 U	5 U	28.1 U	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
Bromoform	4.1 U	7.5 U	7.6 U	7.6 U	43.4 U	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
Bromomethane	1.6 U	2.8 U	2.9 U	2.9 U	16.3 U	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
Butadiene, 1,3-	0.88 U	4.4	1.6 U	3.1	9.3 U	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
Butane	0.95 U	NA	NA	NA	NA	NA	22	0.96 U	1.1 U	0.48 U	0.48 U	0.48 U	0.48 U	0.55
Butanone, 2-	0.65 J	29.5	10	6.2 J	18.9	13.9	1.9 J	1.2 UJ	1.4	0.59	1.5 U	0.71	0.59 U	0.43 J
Carbon disulfide	2.0	2.3	2.3 U	2.3 U	13.1 U	3.1	0.89 J	9.8 J	4.0	2.8	1.6	8.8	1.3	0.16 J
Carbon tetrachloride	2.5 U	4.6 U	4.7 U	4.7 U	26.4 U	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
Chlorobenzene	1.8 U	3.4 U	3.4 U	3.4 U	19.3 U	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
Chloroethane	1.0 U	1.9 U	2 U	2 U	11.1 U	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
Chloroform	4.2	3.6 U	3.6 U	3.6 U	20.5 U	3.7 U	1.8 J	2 U	2.3 U	0.98 U	0.34 J	6.2	0.98	0.98 U
Chloromethane	0.50 J	6 U	6.2 U	6.2 U	35.1 U	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
Chlorotoluene, 2-	2.1 U	NA	NA	NA	NA	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
Cryofluorane	2.8 U	5.1 U	5.2 U	5.2 U	29.4 U	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
Cyclohexane	1.4 U	2.5 U	6.9	2.5 U	14.5 U	2.6 U	0.91 J	200	25	91	42	4.7	0.93	0.28 J
Decane, n-	2.3 U	NA	NA	NA	NA	NA	1.2 J	22	2.7 U	0.52 J	1.2 U	1.6	1.2 U	1.2 U
Dibromochloromethane	3.4 U	6.2 U	6.3 U	6.3 U	35.8 U	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
Dibromoethane, 1,2-	3.1 U	5.6 U	5.7 U	5.7 U	32.3 U	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
Dichlorobenzene, 1,2-	2.4 U	4.4 U	4.4 U	4.4 U	25.3 U	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
Dichlorobenzene, 1,3-	2.4 U	4.4 U	4.4 U	4.4 U	25.3 U	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
Dichlorobenzene, 1,4-	2.4 U	4.4 U	4.4 U	4.4 U	25.3 U	4.6 U	2.4 U	2.4 U	2.8 U	1.2 U	1.2 U	0.96 J	1.2 U	1.2 U
Dichlorodifluoromethane	2.0	3.6 U	3.7 U	3.7 U	20.8 U	3.8 U	2.4	3	2.8	2.2	2.1	2.0	2.6	2.7
Dichloroethane, 1,1-	1.6 U	3 U	3 U	3 U	17 U	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
Dichloroethane, 1,2-	1.6 U	3 U	3 U	3 U	17 U	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
Dichloroethene, 1,1-	1.6 U	2.9 U	2.9 U	2.9 U	16.7 U	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
Dichloroethene, cis-1,2-	1.6 U	2.9 U	2.9 U	2.9 U	16.7 U	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
Dichloropropane, 1,2-	1.8 U	3.4 U	3.4 U	3.4 U	19.4 U	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
Dichloropropene, cis-1,3	1.8 U	3.3 U	3.4 U	3.4 U	19.1 U	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
Dichloropropene, trans-1,3	1.8 U	3.3 U	3.4 U	3.4 U	19.1 U	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
Dioxane, 1,4-	1.4 U	10.5 U	10.8 U	10.8 U	61.3 U	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
Dodecane, n-	0.97 J	NA	NA	NA	NA	NA	1.1 J	9.2	0.99 J	1.4 U	1.4 U	0.56 J	1.3 J	1.4 UJ
Ethanol	3.8 U	156.4	26.4	12.2	98	30.1	37	9	7.7	3.0 U	0.89 J	0.62 J	1.9 U	2.0
Ethylthiophene, 2-	1.8 U	NA	NA	NA	NA	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

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG-05 6/8/2010	OU2SG-06 5/5/2005	OU2SG-06 8/30/2005	OU2SG-06 2/2/2006	OU2SG-06 6/14/2006	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
Ethyltoluene, p-	2.0 U	9.3	54.1	11.3	20.6 U	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
Heptane, n-	1.6 U	5.3	12.3	3 U	17.2 U	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
Hexachlorobutadiene	4.3 U	30.9 U	32 U	32 U	181.3 U	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
Hexane, n-	1.4 U	6.7	10.9	7.8	14.8 U	10.6	1.9	300	7.1	3.4	0.70 U	0.28 J	0.70 U	0.27 J
Hexanone, 2-	1.6 U	11.9 U	12.3 U	12.3 U	69.6 U	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
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	1.9 U	NA	NA	NA	NA	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
Indene	1.9 U	NA	NA	NA	NA	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
Isopropyl benzene	NA	3.6 U	4.9	3.6 U	20.6 U	3.7 U	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	1.4 U	2.6 U	23.8	2.7 U	15.1 U	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
Methyl-2-pentanone, 4-	1.6 U	3 U	3 U	3 U	17.2 U	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
Methylene chloride	2.0 J	2.5 U	2.6 U	2.6 U	14.6 U	2.6 U	3.5 J	8	9.8	0.69 U	1.7 U	1.7 U	0.69 U	1.7 U
Methylnaphthalene, 1-	5.8 U	NA	NA	NA	NA	NA	30 U	1.2 J	2.7 U	14 UJ	1.2 UJ	0.52 J	1.2 UJ	R
Methylnaphthalene, 2-	5.8 U	NA	NA	NA	NA	NA	30 U	2.2 J	2.7 U	14 U	1.2 UJ	2.9 U	1.2 U	0.45 J
Methylthiophene, 2-	1.6 U	NA	NA	NA	NA	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
Methylthiophene, 3-	1.6 U	NA	NA	NA	NA	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
Naphthalene	2.1 U	15.2 UJ	15.7 U	15.7 U	89.1 UJ	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
Nonane	2.1 U	NA	NA	NA	NA	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
Octane, n-	1.9 U	NA	NA	NA	NA	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
Pentane	1.2 U	NA	NA	NA	NA	NA	3.2	1.2 U	1.4 U	0.59 U	0.59 U	0.59 U	0.59 U	1.8
Propanol, 2-	2.5 U	16.2	7.4 U	7.4 U	41.8 U	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
Propylbenzene, n-	NA	3.6 U	10.8	3.6 U	20.6 U	10.8	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	1.7 U	3.1 U	4.1	3.2 U	17.9 U	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
t-Butyl alcohol	1.2 U	NA	NA	NA	NA	NA	1.2 U	1.4	0.43 J	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U
Tetrachloroethane, 1,1,2,2-	2.7 U	5 U	5.1 U	5.1 U	28.8 U	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
Tetrachloroethene	1.3 J	5	12.2	16.3	32.6	24.4	0.83 J	2.4 J	1.9 J	0.41 J	0.62 J	3.3	2.0	1.4 U
Tetrahydrofuran	NA	2.2 U	2.2 U	2.2 J	12.4 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	2.2 U	NA	NA	NA	NA	NA	2.2 U	4	2.6 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Thiophene	1.4 U	NA	NA	NA	NA	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
Trans-1,2-dichloroethene	1.6 U	2.9 U	2.9 U	2.9 U	16.7 U	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
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.1 U	5.6 U	5.7 U	5.7 U	32.2 U	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
Trichlorobenzene, 1,2,4-	3.0 U	21.5 U	22.3 U	22.3 U	126.2 U	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
Trichloroethane, 1,1,1-	2.2 U	4 U	4 U	4 U	22.9 U	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
Trichloroethane, 1,1,2-	2.2 U	4 U	4 U	4 U	22.9 U	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
Trichloroethene	2.2 U	3.9 U	4 U	4 U	22.6 U	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
Trichlorofluoromethane	1.6 J	4.1 U	4.2 U	4.2 U	23.6 U	4.3 U	1.5 J	2.3 U	1.6 J	1.1	1.9	1.8	1.5	1.6
Trimethylbenzene, 1,2,3-	2.0 U	NA	NA	NA	NA	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
Trimethylbenzene, 1,2,4-	2.0 U	8.8	47.2	8.4	20.6 U	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
Trimethylbenzene, 1,3,5-	2.0 U	3.6 U	16.2	3.6 UJ	20.6 U	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
Trimethylpentane, 2,2,4-	1.9 U	3.5	15.4	981.1	5139.2	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
Undecane, n-	2.6 U	NA	NA	NA	NA	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
Vinyl bromide	1.8 U	NA	NA	NA	NA	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
Vinyl chloride	1.0 U	1.9 U	1.9 U	1.9 U	10.7 U	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
Other (%)														
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	0.254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0184 U	0.0157

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	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	OU2SG-06 3/20/2010	OU2SG-06 6/9/2010	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
BTEX (ug/m3)														
Benzene	0.64 U	0.64 U	1.2 U	1.3 U	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
Toluene	0.75 U	0.41 J	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	17	90.4	109.3	21.1	135.7	5.4	1100
Ethylbenzene	0.87 U	0.87 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	5.2 U	24.8	21.3	10.4 U	32.6	2.0	20
Xylene, m,p-	1.7 U	1.7 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	5.2 U	104.2	65.1	14.8	112.9	6.4	67
Xylene, o-	0.87 U	0.87 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	5.2 U	36.5	14.3	10.4 U	31.7	2.3	20
Other VOCs (ug/m3)														
Acetaldehyde	2.2 U	7.5	4.8 J	9.0 U	9.0 U	4.4 J	4.3 J	NA	NA	NA	NA	NA	0.82 UJ	130 J
Acetone	2.4 U	8.0	5.1 UJ	3.6 U	3.6 U	1.4 J	2.1 J	130.6	261.3	135.4	192.4	285.1	12	20 J
Acrolein (propenal)	0.46 U	1.2 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	NA	NA	NA	NA	NA	1.0 U	1.4 J
Allyl chloride	0.63 U	0.63 U	1.2 U	1.2 U	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
Benzothiophene	1.1 U	1.1 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	12 UJ	5.5 U
Bromodichloromethane	1.3 U	1.3 U	2.7 U	2.7 U	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
Bromoform	2.1 U	2.1 U	4.1 U	4.1 U	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
Bromomethane	0.78 U	0.78 U	1.6 U	1.6 U	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
Butadiene, 1,3-	0.44 U	0.44 U	0.88 U	0.88 U	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
Butane	0.48 U	0.48 U	0.71 J	0.95 U	0.95 U	0.95 U	0.95 U	NA	NA	NA	NA	NA	1.1 U	0.95 U
Butanone, 2-	0.59 U	0.83	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	6.2	7.4	20.6	7.4	18.9	1.4 J	4.6
Carbon disulfide	0.62 U	0.19 J	0.56 J	1.2 U	1.2 U	1.2 U	1.2 U	1.9	3.7 U	5.3	21.8	15.3	3	1.4 U
Carbon tetrachloride	1.3 U	1.3 U	2.5 U	2.5 U	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
Chlorobenzene	0.92 U	0.92 U	1.8 U	1.8 U	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
Chloroethane	0.53 U	0.53 U	1.0 U	1.0 U	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
Chloroform	0.98 U	0.78 J	2.0 U	2.0 U	2.0 U	2.0 U	0.67 J	5.9 U	9.8	8.8 U	11.7 U	3.6 U	2.2 U	4
Chloromethane	0.26 J	0.23 J	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	10.1 U	6.6 U	14.9 U	20 U	6.2 U	0.94 U	0.83 U
Chlorotoluene, 2-	1.0 U	1.0 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	NA	NA	NA	NA	NA	2.4 U	2.1 U
Cryofluorane	1.4 U	1.4 U	2.8 U	2.8 U	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
Cyclohexane	0.69 U	0.69 U	1.4 U	1.4 U	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
Decane, n-	1.2 U	0.35 J	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	NA	NA	NA	NA	NA	1.1 J	18
Dibromochloromethane	1.7 U	1.7 U	3.4 U	3.4 U	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
Dibromoethane, 1,2-	1.5 U	1.5 U	3.1 U	3.1 U	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
Dichlorobenzene, 1,2-	1.2 U	1.2 U	2.4 U	2.4 U	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
Dichlorobenzene, 1,3-	1.2 U	1.2 U	2.4 U	2.4 U	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
Dichlorobenzene, 1,4-	1.2 U	1.2 U	2.4 U	2.4 U	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
Dichlorodifluoromethane	2.0	2.4	2.8	2.0	2.1	2.3	2.9	5.9	4 U	8.9 U	11.9 U	6.4	5.3	3.4
Dichloroethane, 1,1-	0.81 U	0.81 U	1.6 U	1.6 U	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
Dichloroethane, 1,2-	0.81 U	0.81 U	1.6 U	1.6 U	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
Dichloroethene, 1,1-	0.79 U	0.79 U	1.6 U	1.6 U	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
Dichloroethene, cis-1,2-	0.79 U	0.79 U	1.6 U	1.6 U	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
Dichloropropane, 1,2-	0.92 U	0.92 U	1.8 U	1.8 U	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
Dichloropropene, cis-1,3	0.91 U	0.91 U	1.8 U	1.8 U	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
Dichloropropene, trans-1,3	0.91 U	0.91 U	1.8 U	1.8 U	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
Dioxane, 1,4-	0.72 U	0.72 U	1.4 U	1.4 U	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
Dodecane, n-	1.4 UJ	1.1 J	2.8 UJ	2.8 UJ	2.8 UJ	0.97 J	1.6 J	NA	NA	NA	NA	NA	1.6 J	13
Ethanol	1.9 U	1.6 J	3.8 U	3.8 U	3.8 U	3.8 U	1.7 J	433.4	20.7	54.6	18.3 U	43.3	31	6.3
Ethylthiophene, 2-	0.92 U	0.92 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	NA	NA	NA	NA	NA	2.1 U	1.8 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	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	OU2SG-06 3/20/2010	OU2SG-06 6/9/2010	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
Ethyltoluene, p-	0.98 U	0.98 U	2.0 U	2.0 U	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
Heptane, n-	0.82 UJ	0.82 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	163.9	9.8	9	9.8 U	14.3	1.9 U	4.7
Hexachlorobutadiene	2.1 U	2.1 U	4.3 U	4.3 U	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
Hexane, n-	0.70 U	0.70 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	6.3 J	9.5	13.4	8.5 U	14.8	1.8	76
Hexanone, 2-	0.82 U	0.82 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	20.1 U	13.1 U	29.5 U	39.7 U	12.3 U	4.6 U	1.6 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	0.97 U	0.97 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	NA	NA	NA	NA	14.5 U	0.66 J	1.9 J
Indene	0.95 U	0.95 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 UJ	NA	NA	NA	NA	14.3 U	2.2 U	1.9 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	5.9 U	3.9 U	8.8 U	11.8 U	3.6 U	NA	NA
Methyl tert-butyl ether	0.72 U	0.72 U	1.4 U	1.4 U	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
Methyl-2-pentanone, 4-	0.82 UJ	0.82 U	1.6 U	1.6 U	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
Methylene chloride	1.7 U	0.66 J	3.5 U	3.5 U	3.5 U	0.90 J	1.4 J	4.2 U	2.8 U	6.3 U	55.6	2.6 U	30	21
Methylnaphthalene, 1-	1.2 U	1.2 U	2.3 UJ	2.3 U	2.3 U	5.8 UJ	5.8 U	NA	NA	NA	NA	NA	33 U	1.3 J
Methylnaphthalene, 2-	1.2 U	1.2 U	2.3 U	2.3 U	2.3 U	5.8 UJ	5.8 U	NA	NA	NA	NA	NA	33 U	2.3 J
Methylthiophene, 2-	0.80 U	2.0 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	NA	NA	NA	NA	NA	1.8 U	1.6 U
Methylthiophene, 3-	0.80 U	0.80 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	NA	NA	NA	NA	NA	1.8 U	1.6 U
Naphthalene	1.0 U	0.63 J	2.1 U	2.1 U	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
Nonane	1.0 U	1.0 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	NA	NA	NA	NA	NA	1.2 J	8.4
Octane, n-	0.93 U	0.93 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	NA	NA	NA	NA	NA	0.53 J	1.8 J
Pentane	0.59 U	0.59 U	1.2 U	1.2 U	1.1 J	1.2 U	1.2 U	NA	NA	NA	NA	NA	1.3 U	1.2 U
Propanol, 2-	1.2 U	1.2 U	2.3 J	2.5 U	2.5 U	2.5 U	2.5 U	36.9 J	7.9 U	17.7 U	23.8 U	7.4 U	1.7	1.9 J
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	5.9 U	8.4	8.8 U	11.8 U	10.3	NA	NA
Styrene	0.85 U	0.85 U	1.7 U	1.7 U	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
t-Butyl alcohol	1.5 U	0.21 J	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	NA	NA	NA	NA	NA	1.4 U	0.85 J
Tetrachloroethane, 1,1,2,2-	1.4 U	1.4 U	2.7 U	2.7 U	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
Tetrachloroethene	1.4 U	2.3	1.5 J	2.7 U	2.7 U	2.7 U	36	8.1 U	29.2	27.8	23.1	39.3	4.6	26
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	3.5 U	2.4 U	5.3 U	7.1 U	2.2 U	NA	NA
Tetramethylbenzene, 1,2,4,5-	1.1 U	1.1 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	2.5 U	10 J
Thiophene	0.69 U	0.69 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	NA	NA	NA	NA	NA	1.6 U	1.4 U
Trans-1,2-dichloroethene	0.79 U	0.79 U	1.6 U	1.6 U	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
Trichloro-1,2,2-trifluoroethane, 1,1,2-	0.40 J	0.69 J	3.1 U	3.1 U	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
Trichlorobenzene, 1,2,4-	1.5 U	1.5 U	3.0 U	3.0 U	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
Trichloroethane, 1,1,1-	1.1 U	1.1 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	0.67 J	6.5 U	4.4 U	9.8 U	13.1 U	4 U	2.5 U
Trichloroethane, 1,1,2-	1.1 U	1.1 U	2.2 U	2.2 U	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
Trichloroethene	1.1 U	1.1 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	1.5 J	8.1	4.3 U	9.7 U	12.9 U	4 U	2.4 U
Trichlorofluoromethane	1.2	2.2	1.9 J	1.1 J	1.1 J	1.8 J	1.7 J	6.7 U	4.5 U	10.1 U	13.5 U	4.2 U	1.7 J	1.6 J
Trimethylbenzene, 1,2,3-	0.98 U	0.98 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	NA	NA	NA	NA	NA	1.7 J	4.3
Trimethylbenzene, 1,2,4-	0.98 U	0.98 U	2.0 U	2.0 U	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
Trimethylbenzene, 1,3,5-	0.98 U	0.98 U	2.0 U	2.0 U	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
Trimethylpentane, 2,2,4-	0.93 U	0.93 U	1.9 U	1.9 U	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
Undecane, n-	1.3 U	1.3 U	2.6 U	2.6 U	2.6 U	2.6 U	0.83 J	NA	NA	NA	NA	NA	1.0 J	20
Vinyl bromide	0.87 U	0.87 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	NA	NA	NA	NA	NA	2.0 U	1.8 U
Vinyl chloride	0.51 U	0.51 U	1.0 U	1.0 U	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
Other (%)														
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	0.0181 U	0.0158	0.00349 U	0.0174 U	0.0173 U	0.017 U	0.0176 U	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:	OU2SG-07 9/12/2007	OU2SG-07 12/19/2007	OU2SG-07 4/3/2008	OU2SG-07 6/24/2008	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-08 5/25/2005	OU2SG-08 8/31/2005
BTEX (ug/m3)														
Benzene	1.4 U	0.16 J	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.38 J	1.3 U	1.3 U	0.64 U	1.3 U	5.1	5.4
Toluene	23	16	10	0.94	1.2	0.72 J	0.49 J	0.46 J	0.90 J	1.5 U	0.75 U	1.5 U	11.3	82.9
Ethylbenzene	1.9 U	0.22 J	0.56 J	0.69 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	3 U	24.8
Xylene, m,p-	1.3 J	0.61 J	1.7 J	2.0	0.22 J	1.7 U	1.7 U	1.7 U	3.5 U	3.5 U	1.7 U	0.94 J	4.8	95.5
Xylene, o-	0.67 J	0.30 J	0.41 J	0.91	0.87 U	0.87 U	0.87 U	0.87 U	1.7 U	1.7 U	0.87 U	1.7 U	3 U	35.2
Other VOCs (ug/m3)														
Acetaldehyde	85	1.8 U	4.5 U	32	24	3.4 J	2.0 U	4.9 U	9.0 U	2.6 J	3.2 J	13	NA	NA
Acetone	11	2.6 U	2.5 U	17	5.8	3.1 U	2.4 U	2.6 U	4.8 U	4.8 U	2.0 J	5.7	57	285.1
Acrolein (propenal)	1.0 U	0.46 U	1.2 U	0.34 J	1.1	0.46 U	0.46 U	0.37 J	2.3 U	2.3 U	1.2 U	2.3 U	NA	NA
Allyl chloride	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	0.63 U	1.2 U	8.8 U	9.7 U
Benzothiophene	30 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	1.1 U	5.5 U	NA	NA
Bromodichloromethane	3.0 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	2.7 U	2.7 U	0.74 J	2.7 U	4.7 U	5.2 U
Bromoform	4.6 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	4.1 U	7.2 U	8.1 U
Bromomethane	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	0.78 U	1.6 U	2.7 U	3 U
Butadiene, 1,3-	0.98 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.88 U	0.88 U	0.44 U	0.88 U	1.5 U	3.1
Butane	1.0 U	0.48 U	0.48 U	0.17 J	0.48 U	0.48 U	0.48 U	0.48 U	0.95 U	0.95 U	0.14 J	0.95 U	NA	NA
Butanone, 2-	5.2	0.50 J	0.42 J	1.7	1.3	0.59 U	0.59 U	0.34 J	1.2 U	1.2 U	0.59 U	1.1 J	6.5	32.4
Carbon disulfide	7.4	0.37 J	3.1	0.40 J	1.0	0.32 J	0.20 J	1.0	2.4	1.2 U	0.62 U	2.2	2.4	62.3
Carbon tetrachloride	2.8 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	2.5 U	2.5 U	1.3 U	2.5 U	4.4 U	4.9 U
Chlorobenzene	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	0.92 U	1.8 U	3.2 U	3.6 U
Chloroethane	1.2 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	1.0 U	1.0 U	0.53 U	1.0 U	1.8 U	2.1 U
Chloroform	5.7	3.1	0.75 J	2.9	4.9	0.72 J	1.1	2.1	3.0	5.0	20	33	3.4 U	3.8 U
Chloromethane	0.50 J	0.41 U	0.48	0.41 U	0.41 U	0.53	0.14 J	0.13 J	0.83 U	0.83 U	0.41 U	0.28 J	5.8 U	6.4 U
Chlorotoluene, 2-	2.3 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.1 U	2.1 U	1.0 U	2.1 U	NA	NA
Cryofluorane	3.1 U	1.4 U	1.4 U	1.4 U	1.4 U	2 U	1.4 U	1.4 U	2.8 U	2.8 U	1.4 U	2.8 U	4.9 U	5.5 U
Cyclohexane	3.4	0.31 J	0.53 J	0.69 U	0.69 U	3 U	0.69 U	0.69 U	1.4 U	1.4 U	0.69 U	1.4 U	154.9	5.9
Decane, n-	2.6 U	1.2 U	1.2 U	61	1.1 J	4 U	1.2 U	1.2 U	2.3 U	2.3 U	1.2 U	2.3 U	NA	NA
Dibromochloromethane	3.8 U	1.7 U	1.7 U	1.7 U	1.7 U	5 U	1.7 U	1.7 U	3.4 U	3.4 U	1.7 U	3.4 U	6 U	6.6 U
Dibromoethane, 1,2-	3.4 U	1.5 U	1.5 U	1.5 U	1.5 U	6 U	1.5 U	1.5 U	3.1 U	3.1 U	1.5 U	3.1 U	5.4 U	6 U
Dichlorobenzene, 1,2-	2.7 U	1.2 U	1.2 U	1.2 U	1.2 U	7 U	1.2 U	1.2 U	2.4 U	2.4 U	1.2 U	2.4 U	4.2 U	4.7 U
Dichlorobenzene, 1,3-	2.7 U	1.2 U	1.2 U	5.5	1.2 U	8 U	1.2 U	1.2 U	2.4 U	2.4 U	1.2 U	2.4 U	4.2 U	36.1
Dichlorobenzene, 1,4-	2.3 J	0.54 J	0.85 J	0.48 J	1.2 U	9 U	1.2 U	1.2 U	2.4 U	2.4 U	1.2 U	2.4 U	4.2 U	4.7 U
Dichlorodifluoromethane	5.2	5.9	2.9	4.6	5.6	10 U	5.2	4.5	2.9	4.0	3.6	3.3	3.5 U	3.9 U
Dichloroethane, 1,1-	1.8 U	0.81 U	0.81 U	0.81 U	0.81 U	11 U	0.81 U	0.81 U	1.6 U	1.6 U	0.81 U	1.6 U	2.8 U	3.2 U
Dichloroethane, 1,2-	1.8 U	0.81 U	0.81 U	0.81 U	0.81 U	12 U	0.81 U	0.81 U	1.6 U	1.6 U	0.81 U	1.6 U	2.8 U	3.2 U
Dichloroethene, 1,1-	1.8 U	0.79 U	0.79 U	0.79 U	0.79 U	14 U	0.79 U	0.79 U	1.6 U	1.6 U	0.79 U	1.6 U	2.8 U	3.1 U
Dichloroethene, cis-1,2-	1.8 U	0.79 U	0.79 U	0.79 U	0.79 U	13 U	0.79 U	0.79 U	1.6 U	1.6 U	0.79 U	1.6 U	2.8 U	3.1 U
Dichloropropane, 1,2-	2.0 U	0.92 U	0.92 U	0.92 U	0.92 U	15 U	0.92 U	0.92 U	1.8 U	1.8 U	0.92 U	1.8 U	3.2 U	3.6 U
Dichloropropene, cis-1,3	2.0 U	0.91 U	0.91 U	0.91 U	0.91 U	16 U	0.91 U	0.91 U	1.8 U	1.8 U	0.91 U	1.8 U	3.2 U	3.5 U
Dichloropropene, trans-1,3	2.0 U	0.91 U	0.91 U	0.91 U	0.91 U	17 U	0.91 U	0.91 U	1.8 U	1.8 U	0.91 U	1.8 U	3.2 U	3.5 U
Dioxane, 1,4-	1.6 UJ	1.8 U	0.72 U	0.72 U	0.72 U	18 U	0.72 U	0.72 UJ	1.4 U	1.4 U	0.72 U	1.4 U	10.1 U	11.2 U
Dodecane, n-	2.0 J	0.56 J	0.68 J	37 J	5.4	19 U	0.39 J	1.4 U	0.97 J	2.8 UJ	1.4 U	1.5 J	NA	NA
Ethanol	35	2.7 U	30	2.4	1.6 J	20 U	0.64 J	2.4 U	3.8 U	0.98 J	0.53 J	3.8	75.4	866.7 EJ
Ethylthiophene, 2-	2.0 U	0.92 U	0.92 U	0.92 U	0.92 U	21 U	0.92 U	0.92 U	1.8 U	1.8 U	0.92 U	1.8 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:	OU2SG-07 9/12/2007	OU2SG-07 12/19/2007	OU2SG-07 4/3/2008	OU2SG-07 6/24/2008	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-08 5/25/2005	OU2SG-08 8/31/2005
Ethyltoluene, p-	2.2 U	0.98 U	0.98 U	0.49 J	0.98 U	22 U	0.98 U	0.98 U	2.0 U	2.0 U	0.98 U	2.0 U	3.4 U	31.5
Heptane, n-	1.8 U	0.82 U	0.82 UJ	1.2 J	0.82 U	23 U	0.82 U	0.82 U	1.6 U	1.6 U	0.82 U	1.6 U	180.3	14.3
Hexachlorobutadiene	4.7 U	2.1 U	2.1 U	2.1 U	2.1 U	24 U	2.1 U	2.1 U	4.3 UJ	4.3 U	2.1 U	4.3 U	29.9 U	33.1 U
Hexane, n-	4.5	0.70 U	0.70 U	0.70 U	0.70 U	25 U	0.70 U	0.70 U	1.4 U	1.4 U	0.70 U	1.4 U	3.1 J	9.5
Hexanone, 2-	0.54 J	0.82 U	0.82 U	0.82 U	0.82 U	26 U	0.82 U	0.82 U	1.6 U	1.6 U	0.82 U	1.6 U	11.5 U	12.7 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	2.1 U	0.97 U	0.97 U	0.72 J	0.97 U	27 U	0.97 U	0.97 UJ	1.9 U	1.9 UJ	0.97 U	1.9 U	NA	NA
Indene	2.1 U	0.95 U	0.95 U	0.95 U	0.95 U	28 U	0.95 U	0.95 UJ	1.9 U	1.9 UJ	0.95 U	1.9 U	NA	NA
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.4 U	3.8 U
Methyl tert-butyl ether	1.6 U	0.72 U	0.72 U	0.72 U	0.72 U	29 U	0.72 U	0.72 U	1.4 U	1.4 U	0.72 U	1.4 U	2.5 U	17.3
Methyl-2-pentanone, 4-	1.8 U	0.82 U	0.82 U	0.82 U	0.82 U	30 U	0.82 U	0.82 U	1.6 U	1.6 U	0.82 U	1.6 U	2.9 U	8.2
Methylene chloride	10	0.94 U	1.7 U	1.7 U	3.1 U	31 U	1.7 U	0.45 J	3.5 U	3.5 U	1.7 U	1.3 J	2.4 U	2.7 U
Methylnaphthalene, 1-	13 U	14 UJ	1.2 UJ	2.9 UJ	1.2 U	32 U	1.2 U	1.2 U	2.3 U	2.3 U	2.9 UJ	5.8 U	NA	NA
Methylnaphthalene, 2-	32 U	14 U	1.2 UJ	2.9 UJ	1.2 U	33 U	1.2 U	1.2 U	2.3 U	2.3 U	2.9 UJ	5.8 U	NA	NA
Methylthiophene, 2-	1.8 U	0.80 U	0.80 U	0.80 U	0.80 U	34 U	0.80 U	0.80 U	1.6 U	1.6 U	0.80 U	1.6 U	NA	NA
Methylthiophene, 3-	1.8 U	0.80 U	0.80 U	0.80 U	0.80 U	35 U	0.80 U	0.80 U	1.6 U	1.6 U	0.80 U	1.6 U	NA	NA
Naphthalene	1.4 J	1.0 U	1.0 U	1.0	2.2	36 U	1.0 U	1.0 U	2.1 U	2.1 U	1.0 U	2.1 U	14.7 U	16.3 U
Nonane	2.3 U	1.0 U	1.0 U	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	NA	NA
Octane, n-	2.1 U	0.93 U	0.93 U	2.0	0.75 J	38 U	0.93 U	0.93 U	1.9 U	1.9 U	0.93 U	1.9 U	NA	NA
Pentane	1.3 U	1.5	0.59 U	0.35 J	0.59 U	39 U	0.59 U	0.16 J	1.2 U	1.2 U	0.59 U	1.2 U	NA	NA
Propanol, 2-	1.2	2.0 J	0.40 J	1.2 UJ	0.49 U	40 U	1.2 U	1.2 U	2.4 U	2.4 U	1.2 U	2.5 U	7.1 J	712.8
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.4 U	6.4
Styrene	1.9 U	0.85 U	0.85 U	0.55 J	0.85 U	41 U	0.85 U	0.85 U	1.7 U	1.7 U	0.85 U	1.7 U	3 U	4
t-Butyl alcohol	0.80 J	0.61 U	0.61 U	1.8	0.61 U	42 U	1.5 U	0.61 U	1.2 U	1.2 U	0.61 U	1.2 U	NA	NA
Tetrachloroethane, 1,1,2,2-	3.0 U	1.4 U	1.4 U	1.4 U	1.4 U	43 U	1.4 U	1.4 U	2.7 U	2.7 U	1.4 U	2.7 U	4.8 U	5.4 U
Tetrachloroethene	35	4.7	7.4	30	34	44 U	5.5	20	7.2	2.8	6.2	29	14.9	19.7
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	5.9
Tetramethylbenzene, 1,2,4,5-	3.4 J	1.1 U	0.28 J	2.9 J	2.4	45 U	1.1 U	1.1 U	2.2 UJ	2.2 U	1.1 U	2.2 U	NA	NA
Thiophene	1.5 UJ	0.69 U	0.69 U	0.69 U	0.69 U	46 U	0.69 U	0.69 U	1.4 U	1.4 U	0.69 U	1.4 U	NA	NA
Trans-1,2-dichloroethene	1.8 U	0.79 U	0.79 U	0.79 U	0.79 U	47 U	0.79 U	0.79 U	1.6 U	1.6 U	0.79 U	1.6 U	2.8 U	3.1 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.4 U	0.46 J	0.48 J	0.61 J	0.61 J	48 U	0.53 J	0.79 J	3.1 U	3.1 U	0.54 J	3.1 U	5.4 U	6 U
Trichlorobenzene, 1,2,4-	3.3 U	1.5 U	1.5 U	1.5 U	1.0 J	49 U	1.5 U	1.5 U	3.0 U	3.0 U	1.5 U	3.0 U	20.8 U	23 U
Trichloroethane, 1,1,1-	2.4 U	1.1 U	1.1 U	1.1 U	1.1 U	50 U	1.1 U	1.1 U	2.2 U	2.2 U	1.1 U	2.2 U	3.8 U	4.3 U
Trichloroethane, 1,1,2-	2.4 U	1.1 U	1.1 U	1.1 U	1.1 U	51 U	1.1 U	1.1 U	2.2 U	2.2 U	1.1 U	2.2 U	3.8 U	4.3 U
Trichloroethene	2.4 U	1.1 U	1.1 U	0.59 J	0.64 J	52 U	1.1 U	0.45 J	2.2 U	2.2 U	1.1 U	2.2 U	3.8 U	4.2 U
Trichlorofluoromethane	1.5 J	1.5	1.7	1.7	1.5	53 U	1.3	2.1	1.8 J	1.1 J	1.4	1.2 J	3.9 U	4.4 U
Trimethylbenzene, 1,2,3-	2.2 U	0.98 U	0.98 U	3.3	0.44 J	54 U	0.98 U	0.98 U	2.0 UJ	2.0 UJ	0.98 U	2.0 U	NA	NA
Trimethylbenzene, 1,2,4-	2.2 U	0.98 U	0.98 U	0.84 J	0.34 J	55 U	0.98 U	0.98 U	2.0 U	2.0 U	0.98 U	2.0 U	3.4 U	29
Trimethylbenzene, 1,3,5-	2.2 U	0.98 U	0.98 U	1.6	0.98 U	56 U	0.98 U	0.98 U	2.0 U	2.0 U	0.98 U	2.0 U	3.4 U	10.8
Trimethylpentane, 2,2,4-	2.1 U	0.93 U	0.93 UJ	0.93 U	0.93 U	57 U	0.93 U	0.93 U	1.9 U	1.9 U	0.93 U	1.9 U	3.3 U	15
Undecane, n-	2.8 U	0.51 J	1.3 U	11	4.2	58 U	1.3 U	1.3 U	2.6 U	2.6 U	1.3 U	2.6 U	NA	NA
Vinyl bromide	1.9 U	0.87 U	0.87 U	0.87 U	0.87 U	59 U	0.87 U	0.87 U	1.8 U	1.8 U	0.87 U	1.8 U	NA	NA
Vinyl chloride	1.1 U	0.51 U	0.51 U	0.51 U	0.51 U	60 U	0.51 U	0.51 U	1.0 U	1.0 U	0.51 U	1.0 U	1.8 U	2 U
Other (%)														
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NA	NA	NA	NA	0.02 U	0.0161	0.023 U	0.0183	0.00327 U	0.0166 U	0.0196 U	0.0178 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:	OU2SG-08 2/2/2006	OU2SG-08 6/15/2006	OU2SG-08 9/8/2006	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
BTEX (ug/m3)														
Benzene	2.2 U	11.5 U	11.2	0.55 J	1.3 U	0.62 J	1.6 U	0.64 U	0.64 U	0.64 UJ	0.64 U	0.64 U	0.64 U	0.36 J
Toluene	6	28.6	128.1	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
Ethylbenzene	4.8	15.6 U	25.6	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
Xylene, m,p-	4.8	15.6	91.2	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
Xylene, o-	3 U	15.6 U	24.3	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
Other VOCs (ug/m3)														
Acetaldehyde	NA	NA	NA	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
Acetone	10.5	522.6	137.8	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
Acrolein (propenal)	NA	NA	NA	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
Allyl chloride	8.8 U	43.8 U	9.1 U	1.4 U	1.3 U	1.6 U	1.6 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
Benzothiophene	NA	NA	NA	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
Bromodichloromethane	4.7 U	24.1 U	4.8 U	2.9 U	2.7 U	3.4 U	3.4 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	7.2 U	37.2 U	7.4 U	4.5 U	4.2 U	5.2 U	5.2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 UJ
Bromomethane	2.7 U	14 U	2.8 U	1.7 U	1.6 U	2 U	1.9 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
Butadiene, 1,3-	1.5 U	8 U	2.7	0.96 U	0.89 U	1.1 U	1.1 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Butane	NA	NA	NA	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
Butanone, 2-	2.1 U	35.4	10.9	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
Carbon disulfide	2.2 U	22.7	25.2	1.4 U	1.2 U	4.1 J	1.6 U	0.22 J	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.50 J
Carbon tetrachloride	4.4 U	22.6 U	4.5 U	2.7 U	2.5 UJ	3.2 U	3.1 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Chlorobenzene	3.2 U	16.6 U	3.3 U	2.0 U	1.8 U	2.3 U	2.3 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Chloroethane	1.8 U	9.5 U	1.9 U	1.1 U	1.1 U	1.3 U	1.3 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U
Chloroform	3.4 U	17.6 U	3.5 U	2.1 U	2 U	0.89 J	1.7 J	0.39 J	0.62 J	1.7	1.7	0.98 U	0.45 J	1.2
Chloromethane	5.8 U	28.9 U	6 U	0.90 U	0.83 U	0.72 J	1.0 U	0.41 U	0.41 U	0.12 J	0.41 U	0.17 J	0.27 J	0.41 U
Chlorotoluene, 2-	NA	NA	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 U	1.0 U	1.0 U
Cryofluorane	4.9 U	25.2 U	5 U	3.0 U	2.8 U	3.6 U	3.5 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Cyclohexane	2.4 U	12.4 U	2.5 U	0.45 J	1.4 U	67 J	2.1	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Decane, n-	NA	NA	NA	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
Dibromochloromethane	6 U	30.7 U	6.1 U	3.7 U	3.4 U	4.3 U	4.3 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dibromoethane, 1,2-	5.4 U	27.7 U	5.5 U	3.3 U	3.1 U	3.9 U	3.8 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Dichlorobenzene, 1,2-	4.2 U	21.6 U	4.3 U	2.6 U	2.4 U	3 U	3.0 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,3-	4.2 U	21.6 U	4.3 U	2.6 U	3.3	3 U	3.0 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,4-	4.2 U	21.6 U	4.3 U	2.6 UJ	2.4 U	3 U	3.0 U	1.2 U	1.2 U	0.84 J	0.66 J	1.2 U	1.2 U	1.2 U
Dichlorodifluoromethane	3.5 U	17.8 U	3.6 U	2.6	2.7	2.3 J	2.8	2.6	2.0	2.1	2.7	2.2	2.0	1.1
Dichloroethane, 1,1-	2.8 U	14.6 U	2.9 U	1.8 U	1.6 U	2 U	2.0 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethane, 1,2-	2.8 U	14.6 U	2.9 U	1.8 U	1.6 U	2 U	2.0 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethene, 1,1-	2.8 U	14.3 U	2.9 U	1.7 U	1.6 U	2 U	2.0 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloroethene, cis-1,2-	2.8 U	14.3 U	2.9 U	1.7 U	1.6 U	2 U	2.0 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloropropane, 1,2-	3.2 U	16.6 U	3.3 U	2.0 U	1.9 U	2.4 U	2.3 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Dichloropropene, cis-1,3	3.2 U	16.3 U	3.3 U	2.0 U	1.8 U	2.3 U	2.3 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dichloropropene, trans-1,3	3.2 U	16.3 U	3.3 U	2.0 U	1.8 U	2.3 U	2.3 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dioxane, 1,4-	10.1 U	50.4 U	10.5 U	3.9 U	1.4 U	1.8 U	1.8 UJ	1.8 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 UJ
Dodecane, n-	NA	NA	NA	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
Ethanol	17.1	32	35.8	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
Ethylthiophene, 2-	NA	NA	NA	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

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG-08 2/2/2006	OU2SG-08 6/15/2006	OU2SG-08 9/8/2006	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
Ethyltoluene, p-	3.4 U	17.7 U	33.9	2.1 U	2 U	2.5 U	2.5 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Heptane, n-	2.9 U	14.8 U	9.4	0.53 J	1.6 U	0.96 J	2.0 U	0.82 U	0.45 J	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Hexachlorobutadiene	29.9 U	149.3 U	30.9 U	4.6 UJ	4.3 U	5.4 U	5.3 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Hexane, n-	2.5 U	12.7 U	8.8	1.8	1.8	66 J	6.2	0.70 U	0.46 J	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
Hexanone, 2-	11.5 U	57.4 U	11.9 U	4.4 U	1.6 U	0.73 J	2.0 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	NA	NA	14 U	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
Indene	NA	NA	13.8 U	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
Isopropyl benzene	3.4 U	17.7 U	3.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	2.5 U	13 U	2.6 U	1.6 U	1.4 U	1.8 U	1.8 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Methyl-2-pentanone, 4-	2.9 U	14.7 U	2.9 U	0.53 J	0.9 J	2.1 U	2.0 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Methylene chloride	2.4 U	12.5 U	2.5 U	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
Methylnaphthalene, 1-	NA	NA	NA	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
Methylnaphthalene, 2-	NA	NA	NA	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
Methylthiophene, 2-	NA	NA	NA	1.7 U	1.6 U	2 U	2.0 U	0.80 U	0.80 U	0.80 U	0.80 U	0.8 U	0.80 U	0.80 U
Methylthiophene, 3-	NA	NA	NA	1.7 U	1.6 U	2 U	2.0 U	0.80 U	0.80 U	0.80 U	0.80 U	0.8 U	0.80 U	0.80 U
Naphthalene	14.7 U	73.4 UJ	15.2 U	5.7 U	2.1 U	2.2 J	2.6 U	1.0 U	1.0 U	0.26 J	1.0 U	1 U	1.0 U	1.0 U
Nonane	NA	NA	NA	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
Octane, n-	NA	NA	NA	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
Pentane	NA	NA	NA	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
Propanol, 2-	6.9 U	34.4 U	7.1 U	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
Propylbenzene, n-	3.4 U	17.7 U	8.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	3 U	15.3 U	3.1 U	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
t-Butyl alcohol	NA	NA	NA	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
Tetrachloroethane, 1,1,2,2-	4.8 U	24.7 U	4.9 U	3.0 U	2.8 U	3.5 U	3.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Tetrachloroethene	4.7 U	24.4 U	18.3	2.9 U	3.5	2.2 J	1.0 J	1.4 U	1.4 U	0.68 J	0.68 J	1.4 U	1.4 U	0.52 J
Tetrahydrofuran	2.1 U	10.6 U	2.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NA	NA	NA	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
Thiophene	NA	NA	NA	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
Trans-1,2-dichloroethene	2.8 U	14.3 U	2.9 U	1.7 U	1.6 U	2 U	2.0 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	5.4 U	27.6 U	5.5 U	3.3 U	3.1 U	3.9 U	3.8 U	0.46 J	1.5 U	0.69 J	0.61 J	1.5 U	0.52 J	0.77 J
Trichlorobenzene, 1,2,4-	20.8 U	103.9 U	21.5 U	3.2 UJ	3 U	3.8 U	3.7 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Trichloroethane, 1,1,1-	3.8 U	19.6 U	3.9 U	2.4 U	2.2 UJ	2.8 U	2.7 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethane, 1,1,2-	3.8 U	19.6 U	3.9 U	2.4 U	2.2 U	2.8 U	2.7 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethene	3.8 U	19.3 U	3.9 U	2.3 U	2.2 U	2.7 U	2.7 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichlorofluoromethane	3.9 U	20.2 U	4 U	1.3 J	1.7 J	1.5 J	1.5 J	1.1	1.1 J	1.5	1.4	1 J	1.1 J	1.2
Trimethylbenzene, 1,2,3-	NA	NA	NA	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
Trimethylbenzene, 1,2,4-	3.4 U	17.7 U	38.8	2.6	3.5 J	0.72 J	2.5 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Trimethylbenzene, 1,3,5-	3.4 UJ	17.7 U	9.8	0.75 J	2 U	2.5 U	2.5 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Trimethylpentane, 2,2,4-	214.9	4391.7	934.4	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
Undecane, n-	NA	NA	NA	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
Vinyl bromide	NA	NA	NA	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
Vinyl chloride	1.8 U	9.2 U	1.8 U	1.1 U	1 U	1.3 U	1.3 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Other (%)														
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0182 U	0.0171 U	0.0182	0.0153 U	0.0185

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG-08 9/21/2009	OU2SG-08 12/29/2009	OU2SG-08 3/25/2010	OU2SG-08 6/7/2010	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
BTEX (ug/m3)														
Benzene	1.3 U	1.3 U	0.64 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
Toluene	0.45 J	1.5 U	0.75 U	1.5 U	10.6	82.9	14.3	37.7	105.5	3.7 J	4.1 UJ	120	32	5.2
Ethylbenzene	1.7 U	1.7 U	0.87 U	1.7 U	3 U	20.4	6.5	13.9 U	21.7	1.2 J	1.1 U	3.2	2.5 U	1.9 U
Xylene, m,p-	3.5 U	3.5 U	1.7 U	3.5 U	4.2	78.2	10.4	22.1	78.2	3.9 J	3.2 UJ	7.5	0.92 J	3.8 U
Xylene, o-	1.7 U	1.7 U	0.87 U	1.7 U	3 U	30.4	4.3	13.9 U	22.1	1.4 J	1.3 U	5	2.5 U	1.9 U
Other VOCs (ug/m3)														
Acetaldehyde	3.5 J	9.0 U	2.5 J	9.2 J	NA	NA	NA	NA	NA	0.82 UJ	0.41 UJ	87 J	92	54
Acetone	4.8 U	3.6 U	1.8 J	4.6 J	52.3	285.1	42.8	356.3	109.3	16	14 U	14 J	23 J	9.1
Acrolein (propenal)	2.3 U	2.3 U	1.2 U	2.3 U	NA	NA	NA	NA	NA	1.0 U	0.52 UJ	2.3 U	1.3 U	1.0 U
Allyl chloride	1.2 U	1.2 U	0.63 U	1.2 U	8.8 U	10 U	9.4 U	40.7 U	10 U	1.4 U	0.71 U	1.3 U	1.8 U	1.4 U
Benzothiophene	2.2 U	2.2 U	1.1 U	5.5 U	NA	NA	NA	NA	NA	12 UJ	6.2 U	5.6 U	3.1 U	30 U
Bromodichloromethane	2.7 U	2.7 U	1.3 U	2.7 U	4.7 U	5.3 U	5.1 U	21.4 U	5.4 U	3.0 U	1.5 U	2.7 U	3.8 U	3.0 U
Bromoform	4.1 U	4.1 U	2.1 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
Bromomethane	1.6 U	1.6 U	0.78 U	1.6 U	2.7 U	3.1 U	3 U	12.4 U	3.1 U	1.8 U	0.88 U	1.6 U	2.2 U	1.7 U
Butadiene, 1,3-	0.88 U	0.88 U	0.44 U	0.88 U	1.5 U	1.7 U	2.7	7.1 U	1.8 U	1.0 U	0.50 U	0.9 U	1.2 U	0.98 U
Butane	0.95 U	0.95 U	0.48 U	0.95 U	NA	NA	NA	NA	NA	1.1 UJ	0.68 UJ	0.96 U	1.3 U	1.0 U
Butanone, 2-	1.2 U	1.2 U	0.59 U	1.0 J	4.4	22.7	5.6 J	20.3	8.6	1.5 J	1.7 U	2.4	6.4	2.3
Carbon disulfide	0.50 J	1.2 U	0.62 U	1.2 U	2.8	3.4	2.4 U	10 U	2.5	1.4 U	0.71 U	2.8 J	15	7.8
Carbon tetrachloride	2.5 U	2.5 U	1.3 U	2.5 U	4.4 U	5 U	4.8 U	20.1 U	5 U	2.8 U	1.4 U	2.6 UJ	3.6 UJ	2.8 U
Chlorobenzene	1.8 U	1.8 U	0.92 U	1.8 U	3.2 U	3.6 U	3.5 U	14.7 U	3.7 U	2.1 U	1.0 U	1.9 U	2.6 U	2.0 U
Chloroethane	1.0 U	1.0 U	0.53 U	1.0 U	1.8 U	2.1 U	2 U	8.4 U	2.1 U	1.2 U	0.60 U	1.1 U	1.5 U	1.2 U
Chloroform	1.4 J	2.0 U	1.3	2.6	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
Chloromethane	0.83 U	0.83 U	0.14 J	0.58 J	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
Chlorotoluene, 2-	2.1 U	2.1 U	1.0 U	2.1 U	NA	NA	NA	NA	NA	2.4 U	1.2 U	2.1 U	2.9 U	2.3 U
Cryofluorane	2.8 U	2.8 U	1.4 U	2.8 U	4.9 U	5.5 U	5.3 U	22.4 U	5.6 U	3.2 U	1.6 U	2.8 U	4 U	3.1 U
Cyclohexane	1.4 U	1.4 U	0.69 U	1.4 U	130.8	5.9	2.6 U	11 U	2.8 U	1.6 U	0.79 U	36	3.1	0.68 J
Decane, n-	2.3 U	2.3 U	1.2 U	2.3 U	NA	NA	NA	NA	NA	2.6 UJ	1.3 U	14	5.2	2.6 U
Dibromochloromethane	3.4 U	3.4 U	1.7 U	3.4 U	6 U	6.7 U	6.5 U	27.3 U	6.8 U	3.9 U	1.9 U	3.5 U	4.8 U	3.8 U
Dibromoethane, 1,2-	3.1 U	3.1 U	1.5 U	3.1 U	5.4 U	6.1 U	5.8 U	24.6 U	6.1 U	3.5 U	1.8 U	3.1 U	4.4 U	3.4 U
Dichlorobenzene, 1,2-	2.4 U	2.4 U	1.2 U	2.4 U	4.2 U	4.7 U	4.6 U	19.2 U	4.8 U	2.7 U	1.4 U	2.4 U	3.4 U	2.7 U
Dichlorobenzene, 1,3-	2.4 U	2.4 U	1.2 U	2.4 U	4.2 U	72.1	4.6 U	19.2 U	4.8 U	2.7 U	1.4 U	2.4 U	3.4 U	2.7 U
Dichlorobenzene, 1,4-	2.4 U	2.4 U	1.2 U	2.4 U	4.2 U	4.7 U	4.6 U	19.2 U	4.8 U	2.7 UJ	1.4 U	2.2 J	1.2 J	2.7 U
Dichlorodifluoromethane	2.5	2.4	2.3	2.8	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
Dichloroethane, 1,1-	1.6 U	1.6 U	0.81 U	1.6 UJ	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
Dichloroethane, 1,2-	1.6 U	1.6 U	0.81 U	1.6 U	2.8 U	3.2 U	3.1 U	13 U	3.2 U	1.8 U	0.92 U	1.6 U	2.3 U	1.8 U
Dichloroethene, 1,1-	1.6 U	1.6 U	0.79 U	1.6 U	2.8 U	3.1 U	3 U	12.7 U	3.2 U	1.8 U	0.90 U	1.6 U	2.2 U	1.8 U
Dichloroethene, cis-1,2-	1.6 U	1.6 U	0.79 U	1.6 U	2.8 U	3.1 U	3 U	12.7 U	3.2 U	1.8 U	0.90 U	1.6 U	2.2 U	1.8 U
Dichloropropane, 1,2-	1.8 U	1.8 U	0.92 U	1.8 U	3.2 U	3.7 U	3.5 U	14.8 U	3.7 U	2.1 U	1.0 U	1.9 U	2.6 U	2.0 U
Dichloropropene, cis-1,3	1.8 U	1.8 U	0.91 U	1.8 U	3.2 U	3.6 U	3.4 U	14.5 U	3.6 U	2.1 U	1.0 U	1.8 U	2.6 U	2.0 U
Dichloropropene, trans-1,3	1.8 U	1.8 U	0.91 U	1.8 U	3.2 U	3.6 U	3.4 U	14.5 U	3.6 U	2.1 U	1.0 U	1.8 U	2.6 U	2.0 U
Dioxane, 1,4-	1.4 U	1.4 U	0.72 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
Dodecane, n-	2.8 U	2.8 UJ	1.4 U	2.6 J	NA	NA	NA	NA	NA	2.4 J	1.5 U	29	16	1.1 J
Ethanol	3.8 U	3.8 U	2.4	3.8 UJ	96.1	829 EJ	20.7	52.8	37.7	18 J	18 U	3 J	34	21
Ethylthiophene, 2-	1.8 U	1.8 U	0.92 U	1.8 U	NA	NA	NA	NA	NA	2.1 U	1.0 U	1.9 U	2.6 U	2.0 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG-08 9/21/2009	OU2SG-08 12/29/2009	OU2SG-08 3/25/2010	OU2SG-08 6/7/2010	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
Ethyltoluene, p-	2.0 U	2.0 U	0.98 U	2.0 U	3.4 U	27.5	3.7 U	15.7 U	31	2.2 UJ	1.1 U	2 U	2.8 U	2.2 U
Heptane, n-	1.6 U	1.6 U	0.82 U	1.6 U	135.2	10.2	3.1 U	13.1 U	9	1.9 U	0.94 UJ	1.7 U	2.3 U	1.8 U
Hexachlorobutadiene	4.3 UJ	4.3 U	2.1 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
Hexane, n-	1.4 U	1.4 U	0.70 U	1.4 U	2.5 U	9.2	2.7 U	11.3 U	8.8	1.3 J	2.3 UJ	1.8	3.8	4.9
Hexanone, 2-	1.6 U	1.6 U	0.82 U	1.6 U	11.5 U	13.1 U	12.3 U	53.3 U	13.1 U	4.6 U	2.3 U	1.7 U	0.75 J	1.8 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	1.9 U	1.9 U	0.97 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
Indene	1.9 U	1.9 U	0.95 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
Isopropyl benzene	NA	NA	NA	NA	3.4 U	3.9 U	3.7 U	15.7 U	3.9 U	NA	NA	NA	NA	NA
Methyl tert-butyl ether	1.4 U	1.4 U	0.72 U	1.4 U	2.5 U	21.6	2.7 U	11.5 U	2.9 U	1.6 U	0.82 U	1.5 U	2 U	1.6 U
Methyl-2-pentanone, 4-	1.6 U	1.6 U	0.82 U	1.6 U	2.9 U	7.4	3.1 U	13.1 U	3.3 U	1.9 UJ	0.94 U	1.7 U	2.3 U	1.8 U
Methylene chloride	3.5 U	3.5 U	0.49 J	2.4 J	2.4 U	2.7 U	2.6 U	11.1 U	2.8 U	31 J	9.8 U	29	13	12
Methylnaphthalene, 1-	2.3 U	2.3 U	2.9 UJ	5.8 U	NA	NA	NA	NA	NA	33 U	17 U	30 U	3.3 U	13 U
Methylnaphthalene, 2-	2.3 U	2.3 U	2.9 UJ	5.8 U	NA	NA	NA	NA	NA	33 U	17 UJ	12 U	41 U	32 U
Methylthiophene, 2-	1.6 U	1.6 U	0.80 U	1.6 U	NA	NA	NA	NA	NA	1.8 U	0.92 U	1.6 U	2.3 U	1.8 U
Methylthiophene, 3-	1.6 U	1.6 U	0.80 U	1.6 U	NA	NA	NA	NA	NA	1.8 U	0.92 U	1.6 U	2.3 U	1.8 U
Naphthalene	2.1 U	2.1 U	1.0 U	2.1 U	14.7 U	16.8 U	15.7 U	68.1 UJ	16.8 U	5.9 UJ	3.0 U	1.2 J	1.5 J	2.3 U
Nonane	2.1 U	2.1 U	1.0 U	2.1 U	NA	NA	NA	NA	NA	0.71 J	1.2 U	2.1 U	2 J	2.3 U
Octane, n-	1.9 U	1.9 U	0.93 U	1.9 U	NA	NA	NA	NA	NA	0.53 J	1.1 U	1.9 U	2.6 U	2.1 U
Pentane	1.2 U	1.2 U	0.59 U	1.2 U	NA	NA	NA	NA	NA	1.3 UJ	3.6 UJ	1.2 U	1.7 U	1.3 U
Propanol, 2-	2.4 U	2.5 U	1.2 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
Propylbenzene, n-	NA	NA	NA	NA	3.4 U	5.4	3.7 U	15.7 U	7.4	NA	NA	NA	NA	NA
Styrene	1.7 U	1.7 U	0.85 U	1.7 U	3 U	4	3.2 U	13.6 U	3.4 U	1.9 UJ	0.97 U	1.7 U	2.4 U	1.9 U
t-Butyl alcohol	1.2 U	1.2 U	0.61 U	1.2 U	NA	NA	NA	NA	NA	1.4 U	0.69 U	1.2 U	3.8	1.0 J
Tetrachloroethane, 1,1,2,2-	2.7 U	2.7 U	1.4 U	2.7 U	4.8 U	5.4 U	5.2 U	22 U	5.5 U	3.1 U	1.6 U	2.8 U	3.9 U	3.0 U
Tetrachloroethene	2.7 U	2.7 U	1.4 U	0.69 J	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
Tetrahydrofuran	NA	NA	NA	NA	2.1 U	7.1	2.2 U	9.4 U	2.4 U	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	2.2 UJ	2.2 U	1.1 U	2.2 U	NA	NA	NA	NA	NA	2.5 U	1.2 U	3.2 J	1.9 J	30 U
Thiophene	1.4 U	1.4 U	0.69 U	1.4 U	NA	NA	NA	NA	NA	1.6 U	0.78 U	1.4 U	2 UJ	1.5 U
Trans-1,2-dichloroethene	1.6 U	1.6 U	0.79 U	1.6 U	2.8 U	3.1 U	3 U	12.7 U	3.2 U	1.8 U	0.90 U	1.6 U	2.2 U	1.8 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.1 U	3.1 U	0.61 J	3.1 U	5.4 U	6.1 U	5.8 U	24.5 U	6.1 U	3.5 UJ	1.8 U	3.1 U	4.3 U	3.4 U
Trichlorobenzene, 1,2,4-	3.0 U	3.0 U	1.5 U	3.0 U	20.8 U	23.7 U	22.3 U	96.5 U	23.7 U	3.4 UJ	1.7 U	3 U	4.2 U	3.3 U
Trichloroethane, 1,1,1-	2.2 U	2.2 U	1.1 U	2.2 U	3.8 U	4.3 U	4.1 U	17.5 U	4.4 U	2.5 U	1.2 U	2.2 UJ	3.1 U	2.4 U
Trichloroethane, 1,1,2-	2.2 U	2.2 U	1.1 U	2.2 U	3.8 U	4.3 U	4.1 U	17.5 U	4.4 U	2.5 U	1.2 U	2.2 U	3.1 U	2.4 U
Trichloroethene	2.2 U	2.2 U	1.1 U	2.2 U	3.8 U	4.2 U	4.1 U	17.2 U	4.3 U	2.4 U	1.2 U	2.2 U	3 U	2.4 U
Trichlorofluoromethane	1.5 J	1.1 J	1.4	1.8 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
Trimethylbenzene, 1,2,3-	2.0 UJ	2.0 U	0.98 U	2.0 U	NA	NA	NA	NA	NA	1.0 J	1.1 U	1.4 J	2.8 U	2.2 U
Trimethylbenzene, 1,2,4-	2.0 U	2.0 U	0.98 U	2.0 U	3.4 U	30	3.7 U	15.7 U	34.9	1.9 J	1.6 U	4.7 J	2.8 U	2.2 U
Trimethylbenzene, 1,3,5-	2.0 U	2.0 U	0.98 U	2.0 U	3.4 U	10.8	3.7 UJ	15.7 U	8.8	2.2 UJ	1.1 U	2 U	2.8 U	2.2 U
Trimethylpentane, 2,2,4-	1.9 U	1.9 U	0.93 U	1.9 U	3.3 U	16.8	387.8	4017.9	887.7	2.1 UJ	1.1 U	1.9 U	2.6 U	2.1 U
Undecane, n-	2.6 U	2.6 U	1.3 U	2.6 U	NA	NA	NA	NA	NA	0.87 J	1.4 U	5.8	5.9	2.8 U
Vinyl bromide	1.8 U	1.8 U	0.87 U	1.8 U	NA	NA	NA	NA	NA	2.0 U	1.0 U	1.8 U	2.5 U	1.9 U
Vinyl chloride	1.0 U	1.0 U	0.51 U	1.0 U	1.8 U	2 U	1.9 U	8.2 U	2 U	1.2 U	0.58 U	1 U	1.4 U	1.1 U
Other (%)														
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	0.00327 U	0.016 U	0.0194 U	0.0156 U	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:	OU2SG-09 12/19/2007	OU2SG-09 3/27/2008	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
BTEX (ug/m3)														
Benzene	0.64 U	0.64 U	0.64 UJ	0.64 U	0.19 J	0.64 U	0.64 U	0.64 U	0.35 J	0.26 J	1.3 U	1.3 U	0.64 U	0.64 U
Toluene	8.7	1.2	2.4	1.5	0.56 J	0.41 J	0.19 J	0.75 U	0.92	0.63 J	1.0 J	1.5 U	0.23 J	0.23 J
Ethylbenzene	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	1.7 U	1.7 U	0.87 U	0.87 U
Xylene, m,p-	0.26 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	3.5 U	3.5 U	1.7 U	1.7 U
Xylene, o-	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	1.7 U	1.7 U	0.87 U	0.87 U
Other VOCs (ug/m3)														
Acetaldehyde	2.2 U	4.5 U	8.7	3.8 J	3.1 J	2.8 U	7.3 U	5.0 U	4.5 UJ	7.9 J	12 J	9.0 U	4.0 J	3.2 J
Acetone	1.1 U	1.4 U	4.0	1.1	2.1 U	2.4 U	2.2 U	2.0 U	4.3 U	3.4 U	6.4 UJ	3.6 U	1.5 J	1.3 J
Acrolein (propenal)	0.46 U	1.2 U	0.27 J	0.46 U	0.46 U	0.46 U	0.21 J	0.46 U	0.51 J	1.2 J	2.3 U	2.3 U	1.2 U	1.2 U
Allyl chloride	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	1.2 U	1.2 U	0.63 U	0.63 U
Benzothiophene	1.1 U	1.1 U	1.1 U	1.1 U	1.1 UJ	1.1 U	14 UJ	14 UJ	1.1 U	1.1 U	2.2 U	2.2 U	1.1 U	1.1 U
Bromodichloromethane	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	2.7 U	2.7 U	1.3 U	1.3 U
Bromoform	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 UJ	2.1 UJ	4.1 U	4.1 U	2.1 U	2.1 U
Bromomethane	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	1.6 U	1.6 U	0.78 U	0.78 U
Butadiene, 1,3-	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.88 U	0.88 U	0.44 U	0.44 U
Butane	0.48 U	0.48 U	0.48 U	0.48 U	0.29 J	0.23 J	0.48 U	0.48 U	0.48 U	0.48 U	0.95 U	0.95 U	0.48 U	0.19 J
Butanone, 2-	0.59 U	1.5 U	0.80	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.65	0.35 J	1.2 U	1.2 U	0.59 U	0.59 U
Carbon disulfide	0.37 J	0.68	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
Carbon tetrachloride	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	2.5 U	2.5 U	1.3 U	1.3 U
Chlorobenzene	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	1.8 U	0.92 U	0.92 U
Chloroethane	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	1.0 U	1.0 U	0.53 U	0.53 U
Chloroform	0.49 J	1.2	3.3	2.9	0.75 J	0.81 J	0.98 U	0.98 U	3.2	3.1	1.8 J	0.68 J	1.8	2.0
Chloromethane	0.41 U	0.41 U	0.14 J	0.41 U	0.21 J	0.41 U	0.12 J	0.14 J	0.41 U	0.14 J	0.37 J	0.83 U	0.41 U	0.14 J
Chlorotoluene, 2-	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	2.1 U	2.1 U	1.0 U	1.0 U
Cryofluorane	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	2.8 U	2.8 U	1.4 U	1.4 U
Cyclohexane	1.4	0.25 J	0.28 J	0.17 J	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	1.4 U	1.4 U	0.69 U	0.69 U
Decane, n-	1.2 U	1.2 U	0.64 J	0.76 J	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	2.3 U	2.3 U	1.2 U	1.2 U
Dibromochloromethane	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	3.4 U	3.4 U	1.7 U	1.7 U
Dibromoethane, 1,2-	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.1 U	3.1 U	1.5 U	1.5 U
Dichlorobenzene, 1,2-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	2.4 U	2.4 U	1.2 U	1.2 U
Dichlorobenzene, 1,3-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	2.4 U	2.4 U	1.2 U	1.2 U
Dichlorobenzene, 1,4-	1.2 U	1.2 U	1.2 U	0.30 J	1.2 U	1.2 U	1.2 U	1.2 U	0.34 J	1.2 U	2.4 U	2.4 U	1.2 U	1.2 U
Dichlorodifluoromethane	2.6	2.1	2.5	2.9	2.7	2.6	3.7	3.7	1.4	1.3	2.9	2.9	2.8	2.7
Dichloroethane, 1,1-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	1.6 U	1.6 U	0.81 U	0.81 U
Dichloroethane, 1,2-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	1.6 U	1.6 U	0.81 U	0.81 U
Dichloroethene, 1,1-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	1.6 U	0.79 U	0.79 U
Dichloroethene, cis-1,2-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	1.6 U	0.79 U	0.79 U
Dichloropropane, 1,2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	1.8 U	0.92 U	0.92 U
Dichloropropene, cis-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	1.8 U	1.8 U	0.91 U	0.91 U
Dichloropropene, trans-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	1.8 U	1.8 U	0.91 U	0.91 U
Dioxane, 1,4-	1.8 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 UJ	0.72 UJ	1.4 U	1.4 U	0.72 U	0.72 U
Dodecane, n-	0.56 J	1.4 U	2.1 J	2.1	1.4 UJ	1.4 U	1.4 U	0.35 J	0.40 J	0.41 J	2.8 U	2.8 UJ	1.4 U	1.4 U
Ethanol	2.5 U	0.84 J	1.6 J	1.0 J	2.3	0.50 J	190 J	15 J	2.8 U	3.4 U	3.8 U	3.8 U	0.51 J	0.96 J
Ethylthiophene, 2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	1.8 U	0.92 U	0.92 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG-09 12/19/2007	OU2SG-09 3/27/2008	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
Ethyltoluene, p-	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	2.0 U	2.0 U	0.98 U	0.98 U
Heptane, n-	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	1.4	1.0	0.82 U	0.82 U	1.6 U	1.6 U	0.82 U	0.82 U
Hexachlorobutadiene	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.3 UJ	4.3 U	2.1 U	2.1 U
Hexane, n-	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	1.4 U	1.4 U	0.70 U	0.70 U
Hexanone, 2-	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	1.6 U	1.6 U	0.82 U	0.82 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 UJ	0.97 UJ	1.9 U	1.9 U	0.97 U	0.97 U
Indene	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 UJ	0.95 UJ	1.9 U	1.9 U	0.95 U	0.95 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	1.4 U	1.4 U	0.72 U	0.72 U
Methyl-2-pentanone, 4-	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	1.6 U	1.6 U	0.82 U	0.82 U
Methylene chloride	0.69 U	0.32 J	1.7 U	2.1 U	3.4 U	1.7 U	1.7 U	1.7 U	0.70 J	0.61 J	1.2 J	1.0 J	1.7 U	0.52 J
Methylnaphthalene, 1-	14 UJ	1.2 U	2.9 U	1.2 U	R	1.2 U	5.8 U	5.8 U	1.2 U	1.2 U	2.3 U	2.3 U	2.9 UJ	2.9 UJ
Methylnaphthalene, 2-	14 U	1.2 U	2.9 UJ	1.2 U	14 UJ	1.2 U	5.8 U	5.8 U	1.2 U	1.2 U	2.3 U	2.3 U	2.9 UJ	2.9 UJ
Methylthiophene, 2-	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	1.6 U	1.6 U	0.80 U	0.80 U
Methylthiophene, 3-	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	1.6 U	1.6 U	0.80 U	0.80 U
Naphthalene	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	2.1 U	2.1 U	1.0 U	1.0 U
Nonane	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	2.1 U	2.1 U	1.0 U	1.0 U
Octane, n-	0.93 U	0.93 U	1.3	1.3	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	1.9 U	1.9 U	0.93 U	0.93 U
Pentane	0.59 U	0.59 U	0.59 U	0.59 U	0.45 J	0.22 J	0.59 U	0.59 U	0.60	0.59 U	1.2 U	1.2 U	0.59 U	0.59 U
Propanol, 2-	0.49 U	0.27 J	1.2 UJ	0.49 U	0.78	1.2 U	12 J	1.3 UJ	1.2 U	1.2 U	2.4 U	2.5 U	0.79 J	1.2 U
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	1.7 U	1.7 U	0.85 U	0.85 U
t-Butyl alcohol	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	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
Tetrachloroethane, 1,1,2,2-	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	2.7 U	2.7 U	1.4 U	1.4 U
Tetrachloroethene	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4	1.6	1.4 U	1.4 U	2.7 U	2.7 U	1.4 U	1.4 U
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	5.5 U	5.5 U	1.1 U	2.2 UJ	2.2 U	1.1 U	1.1 U
Thiophene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	1.4 U	1.4 U	0.69 U	0.69 U
Trans-1,2-dichloroethene	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	1.6 U	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	1.5 U	0.57 J	0.61 J	0.61 J	0.54 J	0.48 J	0.54 J	0.54 J	0.70 J	0.74 J	0.92 J	3.1 U	1.8	0.61 J
Trichlorobenzene, 1,2,4-	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.0 U	3.0 U	1.5 U	1.5 U
Trichloroethane, 1,1,1-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	4.8	4.7	1.1 U	1.1 U	2.2 U	2.2 U	1.1 U	1.1 U
Trichloroethane, 1,1,2-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	2.2 U	1.1 U	1.1 U
Trichloroethene	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	2.2 U	1.1 U	1.1 U
Trichlorofluoromethane	0.90 J	1.2	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
Trimethylbenzene, 1,2,3-	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	2.0 UJ	2.0 U	0.98 U	0.98 U
Trimethylbenzene, 1,2,4-	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	2.0 U	2.0 U	0.98 U	0.98 U
Trimethylbenzene, 1,3,5-	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	2.0 U	2.0 U	0.98 U	0.98 U
Trimethylpentane, 2,2,4-	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	1.9 U	1.9 U	0.93 U	0.93 U
Undecane, n-	1.3 U	1.3 U	1.3 U	0.70 J	1.3 U	1.3 U	1.3 U	1.3 U	0.36 J	1.3 U	2.6 U	2.6 U	1.3 U	1.3 U
Vinyl bromide	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	1.8 U	1.8 U	0.87 U	0.87 U
Vinyl chloride	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	1.0 U	1.0 U	0.51 U	0.51 U
Other (%)														
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NA	NA	0.02 U	0.015 U	0.0248	0.0162 U	0.0174 U	0.0194 U	0.019	0.0187	0.00301 U	0.0152 U	0.0204 U	0.016 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG-09 6/7/2010	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
BTEX (ug/m3)														
Benzene	1.3 U	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
Toluene	0.49 J	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
Ethylbenzene	1.7 U	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
Xylene, m,p-	3.5 U	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
Xylene, o-	1.7 U	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
Other VOCs (ug/m3)														
Acetaldehyde	3.0 J	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
Acetone	1.3 J	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
Acrolein (propenal)	2.3 U	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
Allyl chloride	1.2 U	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
Benzothiophene	5.5 U	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
Bromodichloromethane	2.7 U	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
Bromoform	4.1 U	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
Bromomethane	1.6 U	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
Butadiene, 1,3-	0.88 U	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
Butane	0.95 U	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
Butanone, 2-	1.2 U	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
Carbon disulfide	5.8	2.6 U	5.6	3.1	16.8 U	5	7.6	13 J	17 J	6.1	3.6	0.83	18	8.4
Carbon tetrachloride	2.5 U	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
Chlorobenzene	1.8 U	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
Chloroethane	1.0 U	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
Chloroform	3.7	4.1 U	10.7	3.4 U	26.4 U	3.6 U	2.2 U	1500	1600	1000	240	160	580	280
Chloromethane	0.83 U	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
Chlorotoluene, 2-	2.1 U	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
Cryofluorane	2.8 U	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
Cyclohexane	1.4 U	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
Decane, n-	2.3 U	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
Dibromochloromethane	3.4 U	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
Dibromoethane, 1,2-	3.1 U	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
Dichlorobenzene, 1,2-	2.4 U	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
Dichlorobenzene, 1,3-	2.4 U	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
Dichlorobenzene, 1,4-	2.4 U	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
Dichlorodifluoromethane	2.7	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
Dichloroethane, 1,1-	1.6 UJ	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
Dichloroethane, 1,2-	1.6 U	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
Dichloroethene, 1,1-	1.6 U	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
Dichloroethene, cis-1,2-	0.93 J	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
Dichloropropane, 1,2-	1.8 U	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
Dichloropropene, cis-1,3	1.8 U	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
Dichloropropene, trans-1,3	1.8 U	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
Dioxane, 1,4-	1.4 U	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
Dodecane, n-	2.0 J	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
Ethanol	3.8 UJ	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
Ethylthiophene, 2-	1.8 U	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

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG-09 6/7/2010	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
Ethyltoluene, p-	2.0 U	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
Heptane, n-	1.6 U	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
Hexachlorobutadiene	4.3 U	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
Hexane, n-	1.4 U	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
Hexanone, 2-	1.6 U	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
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	1.9 U	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
Indene	1.9 U	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
Isopropyl benzene	NA	4.1 U	4.1 U	3.4 U	26.5 U	3.6 U	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	1.4 U	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
Methyl-2-pentanone, 4-	1.6 U	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
Methylene chloride	2.1 J	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
Methylnaphthalene, 1-	5.8 U	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
Methylnaphthalene, 2-	5.8 U	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
Methylthiophene, 2-	1.6 U	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
Methylthiophene, 3-	1.6 U	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
Naphthalene	2.1 U	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
Nonane	2.1 U	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
Octane, n-	1.9 U	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
Pentane	1.2 U	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
Propanol, 2-	2.5 U	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
Propylbenzene, n-	NA	4.1 U	6.4	3.4 U	26.5 U	7.4	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	1.7 U	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
t-Butyl alcohol	1.2 U	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
Tetrachloroethane, 1,1,2,2-	2.7 U	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
Tetrachloroethene	0.68 J	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
Tetrahydrofuran	NA	2.5 U	2.5 U	2.1 U	15.9 U	2.8	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	2.2 U	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
Thiophene	1.4 U	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
Trans-1,2-dichloroethene	1.6 U	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
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.1 U	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
Trichlorobenzene, 1,2,4-	3.0 U	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
Trichloroethane, 1,1,1-	2.2 U	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
Trichloroethane, 1,1,2-	2.2 U	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
Trichloroethene	1.2 J	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
Trichlorofluoromethane	1.8 J	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
Trimethylbenzene, 1,2,3-	2.0 U	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
Trimethylbenzene, 1,2,4-	2.0 U	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
Trimethylbenzene, 1,3,5-	2.0 U	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
Trimethylpentane, 2,2,4-	1.9 U	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
Undecane, n-	2.6 U	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
Vinyl bromide	1.8 U	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
Vinyl chloride	1.0 U	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
Other (%)														
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0187 U	0.0227 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG-10 12/29/2008	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-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/m3)														
Benzene	0.64 U	0.64 U	0.64 U	1.3 U	1.3 U	0.64 U	0.43 J	3.6	4	2.1	0.19 J	0.64 U	0.16 J	0.64 UJ
Toluene	0.75 U	0.23 J	1.6	1.5 U	1.5 U	0.75 U	1.9	29	2300	1700	120	190	150	160
Ethylbenzene	0.87 U	0.87 U	0.87 U	1.7 U	1.7 U	0.87 U	1.7 U	5.8	13	13	5.2	8.2	8.3	7.8
Xylene, m,p-	1.7 U	1.7 U	1.7 U	3.5 U	3.5 U	1.7 U	3.5 U	17	38	41	21	28	20	22
Xylene, o-	0.87 U	0.87 U	0.87 U	1.7 U	1.7 U	0.87 U	1.7 U	5.4	11	13	7.2	9.0	6.6	7.3
Other VOCs (ug/m3)														
Acetaldehyde	6.8 J	3.6 U	4.6 U	4.0 J	9.0 U	2.7 J	7.8 J	1600 J	66 U	91	1.8 U	4.5 U	11	9.1
Acetone	1.3 U	5.0 U	3.7 U	4.8 U	3.6 U	1.7 J	6.7 J	5.0 U	67	8.9	2.3 U	2.3 U	1.2 UJ	3.3 J
Acrolein (propenal)	0.46 U	0.46	0.90 J	2.3 U	2.3 U	1.2 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	0.63 U	0.63 U	0.63 U	1.2 U	1.2 U	0.63 U	1.2 U	1.3 U	2.5 U	1.4 U	0.63 UJ	0.63 U	0.63 U	0.63 U
Benzothiophene	1.1 UJ	14 UJ	1.1 U	2.2 U	2.2 U	1.1 U	5.5 U	12 UJ	4.3 U	32 U	1.1 UJ	1.1 UJ	1.1 UJ	1.1 U
Bromodichloromethane	1.3 U	1.3 U	1.3 U	2.7 U	2.7 U	1.3 U	2.7 U	120	17	3.1 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	2.1 U	2.1 U	2.1 U	4.1 U	4.1 U	2.1 U	4.1 U	4.3 U	8.1 U	4.8 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	0.78 U	0.78 U	0.78 U	1.6 U	1.6 U	0.78 U	1.6 U	1.6 U	3.1 U	1.8 U	0.78 U	0.78 U	0.78 U	0.78 U
Butadiene, 1,3-	0.44 U	0.44 U	0.44 U	0.88 U	0.88 U	0.44 U	0.88 U	0.93 U	1.7 U	1.0 U	0.44 U	0.44 U	0.44 U	0.44 U
Butane	0.48 U	0.48 U	0.32 J	0.95 U	0.95 U	0.21 J	0.75 J	9660	31	1.1 U	0.48 U	2.0	2.9	2.6
Butanone, 2-	0.59 U	1.3	0.77	1.2 U	1.2 U	0.59 U	0.95 J	2.7 J	2.3 U	1.4 U	0.65	0.48 J	0.83	0.56 J
Carbon disulfide	0.93	3.9	3.0	1.4	0.37 J	0.62 U	2.5	1.3 U	27	17	0.72	12	27	32
Carbon tetrachloride	1.3 U	1.3 U	1.3 U	2.5 U	2.5 U	1.3 U	2.5 U	2.6 U	5 U	2.9 U	1.3 U	0.63 J	0.50 J	0.57 J
Chlorobenzene	0.92 U	0.92 U	0.92 U	1.8 U	1.8 U	0.92 U	1.8 U	1.2 J	3.6 U	2.1 U	0.92 U	0.92 U	0.92 U	0.92 U
Chloroethane	0.53 U	0.53 U	0.53 U	1.0 U	1.0 U	0.53 U	1.0 U	1.1 U	2.1 U	1.2 U	0.53 U	0.53 U	0.53 U	0.53 U
Chloroform	59	52	100	76	22	21	45	1350	87	5.9	0.29 J	2.3	1.7	1.7
Chloromethane	0.41 UJ	0.41 UJ	0.41 UJ	0.83 UJ	0.83 U	0.41 UJ	0.83 UJ	0.87 U	1.6 U	0.95 U	0.41 U	0.41 U	0.12 J	0.17 J
Chlorotoluene, 2-	1.0 U	1.0 U	1.0 U	2.1 U	2.1 U	1.0 U	2.1 U	2.2 U	4.1 U	2.4 U	1.0 U	1.0 U	1.0 U	1.0 U
Cryofluorane	1.4 U	1.4 U	1.4 U	2.8 U	2.8 U	1.4 U	2.8 U	2.9 U	5.5 U	3.2 U	1.4 U	1.4 U	1.4 U	1.4 U
Cyclohexane	0.69 U	0.69 U	0.69 U	1.4 U	1.4 U	0.69 U	1.4 U	410	430	190	4.4	55	58 J	41 J
Decane, n-	1.2 U	1.2 U	1.1 J	2.3 U	2.3 U	1.2 U	2.3 U	1.3 J	4.6 U	2.7 U	1.2 U	1.2 UJ	16	15
Dibromochloromethane	1.7 U	1.7 U	1.7 U	3.4 U	3.4 U	1.7 U	3.4 U	5.4	6.7 U	3.9 U	1.7 U	1.7 U	1.7 U	1.7 U
Dibromoethane, 1,2-	1.5 U	1.5 U	1.5 U	3.1 U	3.1 U	1.5 U	3.1 U	3.2 U	6 U	3.6 U	1.5 U	1.5 U	1.5 U	1.5 U
Dichlorobenzene, 1,2-	1.2 U	1.2 U	1.2 U	2.4 U	2.4 U	1.2 U	2.4 U	2.5 U	4.7 U	2.8 U	1.2 U	1.2 U	0.36 J	0.42 J
Dichlorobenzene, 1,3-	1.2 U	1.2 U	1.2 U	2.4 U	2.4 U	1.2 U	2.4 U	2.5 U	4.7 U	2.8 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,4-	1.2 U	1.2 U	1.2 U	2.4 U	2.4 U	1.2 U	2.4 U	2.5 UJ	4.7 U	2.2 J	0.78 J	0.99 J	2.0	2.2
Dichlorodifluoromethane	2.9	2.6	3.2	3.5	2.3	2.4	2.5	0.73 J	2 J	2.4	3.1	2.3	1.8	2.3
Dichloroethane, 1,1-	0.81 U	0.81 U	0.81 U	1.6 U	1.6 U	0.81 U	1.6 U	1.7 U	3.2 U	1.9 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethane, 1,2-	0.81 U	0.81 U	0.81 U	1.6 U	1.6 U	0.81 U	1.6 U	1.7 U	3.2 U	1.9 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethene, 1,1-	0.79 U	0.79 U	0.79 U	1.6 U	1.6 U	0.79 U	1.6 U	1.7 U	3.1 U	1.8 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloroethene, cis-1,2-	0.79 U	0.79 U	0.79 U	1.6 U	1.6 U	0.79 U	1.6 U	1.7 U	3.1 U	1.8 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloropropane, 1,2-	0.92 U	0.92 U	0.92 U	1.8 U	1.8 U	0.92 U	1.8 U	1.9 U	3.6 U	2.1 U	0.92 U	0.92 U	0.92 U	0.92 U
Dichloropropene, cis-1,3	0.91 U	0.91 U	0.91 U	1.8 U	1.8 U	0.91 U	1.8 U	1.9 U	3.6 U	2.1 U	0.91 U	0.91 U	0.91 U	0.91 U
Dichloropropene, trans-1,3	0.91 U	0.91 U	0.91 U	1.8 U	1.8 U	0.91 U	1.8 U	1.9 U	3.6 U	2.1 U	0.91 U	0.91 U	0.91 U	0.91 U
Dioxane, 1,4-	0.72 U	0.72 U	0.72 UJ	1.4 U	1.4 U	0.72 U	0.66 J	3.8 U	7.1 U	1.7 U	1.8 U	0.72 U	0.72 U	0.72 U
Dodecane, n-	1.4 UJ	1.4 U	0.59 J	2.9 J	2.8 UJ	0.63 J	1.6 J	1.5 J	25	4.3	1.0 J	1.0 J	0.90 J	1.7 J
Ethanol	0.71 J	0.94 J	6.0 U	3.8 U	3.8 U	1.1 J	2.7 J	30	10	30	2.8	1.9 J	0.75 J	0.94 J
Ethylthiophene, 2-	0.92 U	0.92 U	0.92 U	1.8 U	1.8 U	0.92 U	1.8 U	1.9 U	3.6 U	2.1 U	0.92 U	0.92 U	0.92 U	0.92 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG-10 12/29/2008	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-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
Ethyltoluene, p-	0.98 U	0.98 U	0.98 U	2.0 U	2.0 U	0.98 U	2.0 U	1.0 J	3.9 U	1.2 J	0.34 J	0.42 J	0.49 J	0.59 J
Heptane, n-	0.82 U	0.82 U	0.82 U	1.6 U	1.6 U	0.82 U	1.6 U	58	12	4.4	0.82 UJ	0.82 UJ	0.20 J	0.82 U
Hexachlorobutadiene	2.1 U	2.1 U	2.1 U	4.3 U	4.3 U	2.1 U	4.3 U	4.5 UJ	8.4 U	4.9 U	2.1 U	2.1 U	2.1 U	2.1 UJ
Hexane, n-	0.70 U	0.70 U	0.20 J	1.4 U	1.4 U	0.70 U	1.4 U	530	540	180	0.95	6.8	3.9 J	2.7 J
Hexanone, 2-	0.82 U	0.82 U	0.82 U	1.6 U	1.6 U	0.82 U	1.6 U	4.3 U	3.2 U	1.9 U	0.82 U	0.82 U	0.82 U	0.82 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	0.97 U	0.97 U	0.97 U	1.9 U	1.9 U	0.97 U	1.9 U	0.71 J	3.8 U	2.2 U	0.34 J	0.30 J	0.53 J	0.53 J
Indene	0.95 U	0.95 U	0.95 U	1.9 U	1.9 U	0.95 U	1.9 U	2.0 U	3.7 U	2.2 U	0.95 U	0.95 U	0.95 U	0.95 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	0.72 U	0.72 U	0.72 U	1.4 U	1.4 U	0.72 U	1.4 U	1.5 U	2.8 U	1.7 U	0.72 U	0.72 U	0.72 UJ	0.72 UJ
Methyl-2-pentanone, 4-	0.82 U	0.82 U	0.82 U	1.6 U	1.6 U	0.82 U	1.6 U	1.7 U	3.2 U	1.9 U	0.82 U	0.82 U	0.82 U	0.82 U
Methylene chloride	2.8	1.7 U	1.7 U	3.5 U	3.5 U	1.7 U	3.2 J	15 J	4.1 J	10	0.69 U	1.7 U	1.7 U	1.3 U
Methylnaphthalene, 1-	R	5.8 U	1.2 U	2.3 UJ	2.3 U	2.9 UJ	5.8 U	30 U	4.6 U	13 U	14 UJ	1.2 UJ	2.9 UJ	2.9 UJ
Methylnaphthalene, 2-	14 UJ	5.8 U	1.2 U	2.3 U	2.3 U	2.9 UJ	5.8 U	30 U	4.6 U	0.67 J	14 UJ	1.2 UJ	0.46 J	2.9 UJ
Methylthiophene, 2-	0.80 U	0.80 U	0.80 U	1.6 U	1.6 U	0.80 U	1.6 U	1.7 U	3.2 U	1.8 U	0.80 U	0.80 U	0.80 U	0.80 U
Methylthiophene, 3-	0.80 U	0.80 U	0.80 U	1.6 U	1.6 U	0.80 U	1.6 U	1.7 U	3.2 U	1.8 U	0.80 U	0.80 U	0.80 U	0.80 U
Naphthalene	1.0 UJ	1.0 U	1.0 U	2.1 U	2.1 U	1.0 U	2.1 U	5.5 U	4.1 U	2.7	0.94 J	0.79 J	1.5	0.84 J
Nonane	1.0 U	1.0 U	1.0 U	2.1 U	2.1 U	1.0 U	2.1 U	1.4 J	4.4	2.7	1.9	1.0 U	1.0 U	1.0 U
Octane, n-	0.93 U	0.93 U	0.24 J	1.9 U	1.9 U	0.93 U	1.9 U	4.8	2.6 J	0.86 J	0.56 J	0.93 U	1.5	0.89 J
Pentane	0.59 U	0.59 U	1.4	1.2 U	1.2 U	0.59 U	0.50 J	2140	8.2	1.4 U	0.59 U	1.4	0.65	0.44 J
Propanol, 2-	0.49 UJ	0.49 UJ	1.2 U	2.5 UJ	2.5 U	1.2 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-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.85 U	0.85 U	0.85 U	1.7 U	1.7 U	0.85 U	1.7 U	1.8 U	3.4 U	0.59 J	0.30 J	0.40 J	0.38 J	0.43 J
t-Butyl alcohol	0.61 U	0.61 U	0.28 J	1.2 U	1.2 U	0.61 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-	1.4 U	1.4 U	1.4 U	2.7 U	2.7 U	1.4 U	2.7 U	2.9 U	5.4 U	3.2 U	1.4 U	1.4 U	1.4 U	1.4 U
Tetrachloroethene	0.90 J	1.0 J	3.4 U	2.8	2.7 U	0.81 J	2.2 J	14	11	1.6 J	1.4 U	1.4 U	0.95 J	1.5
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	1.1 U	5.5 U	1.1 U	2.2 U	2.2 U	1.1 U	2.2 U	2.3 U	4.3 J	6.1 J	3.3	3.2	16 J	17 J
Thiophene	0.69 U	0.69 U	0.69 U	1.4 U	1.4 U	0.69 U	1.4 U	1.4 U	2.7 U	1.6 U	0.69 U	0.69 U	0.69 U	0.69 U
Trans-1,2-dichloroethene	0.79 U	0.79 U	0.79 U	1.6 U	1.6 U	0.79 U	1.6 U	1.7 U	3.1 U	1.8 U	0.79 U	0.79 U	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	0.48 J	0.61 J	1.5 U	3.1 U	3.1 U	0.54 J	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-	1.5 UJ	1.5 U	1.5 U	3.0 U	3.0 U	1.5 U	3.0 U	3.1 UJ	5.8 U	3.4 U	1.5 U	1.5 U	1.5 U	1.5 U
Trichloroethane, 1,1,1-	0.43 J	0.33 J	0.71 J	0.98 J	2.2 U	1.1 U	2.2 U	2.3 U	4.3 U	2.5 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethane, 1,1,2-	1.1 U	1.1 U	1.1 U	2.2 U	2.2 U	1.1 U	2.2 U	2.3 U	4.3 U	2.5 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethene	1.1 U	1.1 U	1.1 U	2.2 U	2.2 U	1.1 U	2.2 U	2.3 U	4.2 U	2.5 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichlorofluoromethane	2.7	1.9	7.7	14 J	1.6 J	2.3	3.5	1.1 J	4.4 U	1.3 J	1.3 U	1.7	1.0 J	1.5
Trimethylbenzene, 1,2,3-	0.98 U	0.98 U	0.98 U	2.0 U	2.0 U	0.98 U	2.0 U	2.0 J	3.9 U	1.7 J	0.54 J	1.6	1.9	2.0
Trimethylbenzene, 1,2,4-	0.98 U	0.98 U	0.98 U	2.0 U	2.0 U	0.98 U	2.0 U	4.2	3.4 J	3.1	1.3	0.53 J	0.29 J	0.39 J
Trimethylbenzene, 1,3,5-	0.98 U	0.98 U	0.98 U	2.0 U	2.0 U	0.98 U	2.0 U	1.3 J	3.9 U	1.0 J	0.39 J	0.81 J	1.4	1.5
Trimethylpentane, 2,2,4-	0.93 U	0.93 U	0.93 U	1.9 U	1.9 U	0.93 U	1.9 U	2.0 U	4.2	2.2 U	0.93 U	0.93 UJ	0.93 U	0.93 U
Undecane, n-	1.3 U	1.3 U	1.3 U	2.6 U	2.6 U	1.3 U	1.1 J	1.7 J	5 U	3.0 U	1.3 U	4.8	18 J	1.3 UJ
Vinyl bromide	0.87 U	0.87 U	0.87 U	1.8 U	1.8 U	0.87 U	1.8 U	1.8 U	3.4 U	2.0 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl chloride	0.51 U	0.51 U	0.51 U	1.0 U	1.0 U	0.51 U	1.0 U	1.1 U	2 U	1.2 U	0.51 U	0.51 U	0.51 U	0.51 U
Other (%)														
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	0.0171	0.0174 U	0.0169	0.0036 U	0.0165 U	0.0168 U	0.0151 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:	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/m3)														
Benzene	0.38 J	0.22 J	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.19 J	0.20 J	0.64 U	0.16 J	0.18 J	0.16 J
Toluene	21	11	6.6	1.7	1.1	9.7	13	12	13	12	13	18	23	48 J
Ethylbenzene	1.4 J	0.69 J	0.42 J	0.87 U	0.87 U	0.26 J	0.33 J	0.30 J	0.37 J	0.39 J	0.39 J	0.52 J	0.60 J	1.5
Xylene, m,p-	3.7	2.2	1.4 J	0.45 J	1.7 U	0.89 J	1.0 J	0.94 J	1.2 J	1.2 J	1.2 J	1.6 J	1.9	5.0
Xylene, o-	1.2	0.61 J	0.44 J	0.87 U	0.87 U	0.22 J	0.23 J	0.23 J	0.31 J	0.32 J	0.31 J	0.42 J	0.52 J	1.6
Other VOCs (ug/m3)														
Acetaldehyde	29	5.4 J	5.8 J	6.0 J	3.3 U	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ	3.0 J	4.5 UJ
Acetone	3.2	1.7	3.2	1.7 U	3.0 U	1.8 U	1.3 U	4.1 U	2.8 U	2.5 U	2.4 U	2.3 U	1.4 UJ	1.2 UJ
Acrolein (propenal)	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U
Allyl chloride	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
Benzothiophene	1.1 U	1.1 U	1.1 U	1.1 UJ	1.1 UJ	1.1 U	1.1 U	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 U	1.1 U	0.59 J
Bromodichloromethane	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
Butadiene, 1,3-	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 UJ
Butane	3.0	1.1	0.50	0.63	0.60	0.72	0.48 U	0.48 U	0.26 J	0.38 J	0.48 U	0.70	0.48 U	0.60
Butanone, 2-	1.0	0.38 J	0.30 J	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U
Carbon disulfide	72	51	19	9.7 J	3.3 J	12	4.1	4.5	4.2	5.3	3.1	5.7	1.2	3.9 J
Carbon tetrachloride	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Chlorobenzene	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Chloroethane	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U
Chloroform	2.9	1.7	1.6	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.77 J
Chloromethane	0.41 U	0.41 U	0.41 U	0.18 J	0.22 J	0.41 U	0.41 U	0.41 U	0.41 U	0.19 J	0.41 U	0.41 U	0.41 U	0.41 U
Chlorotoluene, 2-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cryofluorane	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Cyclohexane	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-	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	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dibromoethane, 1,2-	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Dichlorobenzene, 1,2-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,3-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,4-	1.4	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.38 J
Dichlorodifluoromethane	2.5	2.7	2.7	2.5	1.6	3.0	3.0	3.0	2.7	3.0	2.9	3.1	2.5	2.6
Dichloroethane, 1,1-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethane, 1,2-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethene, 1,1-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloroethene, cis-1,2-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloropropane, 1,2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Dichloropropene, cis-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dichloropropene, trans-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dioxane, 1,4-	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Dodecane, n-	0.42 J	0.42 J	0.63 J	1.4 UJ	0.90 J	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	2.8 J
Ethanol	2.7	0.62 J	0.66 J	0.97 J	2.6	1.8 U	0.71 J	0.81 J	1.3 J	2.2	1.1 J	0.87 J	1.2 J	1.9 U
Ethylthiophene, 2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	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	
Ethyltoluene, p-	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.29 J	
Heptane, n-	0.29 J	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.23 J	0.82 U	0.52 J	0.82 U	0.73 J
Hexachlorobutadiene	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 UJ	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	1.5 J	
Hexane, n-	8.1	0.56 J	0.23 J	0.29 J	0.70 U	0.51 J	0.42 J	0.38 J	0.35 J	0.40 J	0.37 J	0.79	0.49 J	0.80 J	
Hexanone, 2-	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Indan	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	
Indene	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methyl tert-butyl ether	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	
Methyl-2-pentanone, 4-	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	
Methylene chloride	0.69 UJ	1.0 U	0.69 U	1.7 U	1.7 U	0.69 U	0.69 U	0.84 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	
Methylnaphthalene, 1-	1.2 U	1.2 U	12 UJ	R	5.8 UJ	5.8 UJ	5.8 U	5.8 U	5.8 U	5.8 UJ	5.8 UJ	5.8 U	1.2 U	1.0 J	
Methylnaphthalene, 2-	1.2 U	1.2 U	1.2 U	14 UJ	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 UJ	1.2 U	1.1 J	
Methylthiophene, 2-	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	
Methylthiophene, 3-	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	
Naphthalene	0.79 J	1.0 U	0.33 J	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.60 J	
Nonane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.44 J	1.0 U	1.0 U	0.89 J	0.85 J	1.0 J	1.7	2.1	5.1	
Octane, n-	0.75 J	0.37 J	0.93 U	0.93 U	0.93 U	0.32 J	0.55 J	0.66 J	0.84 J	1.1	1.1	1.8	2.5	5.1	
Pentane	0.27 J	0.59 U	0.59 U	0.59 U	1.1	0.59 U	0.59 U	0.59 U	0.59 U	0.47 J	0.59 U	0.57 J	0.59 U	0.59 U	
Propanol, 2-	0.49 U	0.49 U	0.49 U	0.49 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	9.2 J	1.2 U	1.2 U	0.49 U	0.47 U	
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Styrene	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.32 J	0.85 U	0.85 U	0.50 J	
t-Butyl alcohol	0.61 UJ	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	1.5 U	
Tetrachloroethane, 1,1,2,2-	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	
Tetrachloroethene	0.81 J	0.54 J	0.50 J	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Tetramethylbenzene, 1,2,4,5-	7.2	1.6	1.8	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	0.77 J	
Thiophene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	
Trans-1,2-dichloroethene	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	
Trichloro-1,2,2-trifluoroethane, 1,1,2-	0.54 J	0.54 J	0.56 J	0.45 J	1.5 U	0.55 J	0.42 J	0.49 J	0.45 J	0.47 J	1.5 U	0.51 J	1.5 U	0.47 J	
Trichlorobenzene, 1,2,4-	1.5 U	1.5 U	1.5 U	1.5 UJ	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	0.92 J	
Trichloroethane, 1,1,1-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	
Trichloroethane, 1,1,2-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	
Trichloroethene	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	
Trichlorofluoromethane	1.2	1.3	1.2	1.2	0.56 J	1.2	1.0 J	1.3	1.2	1.2	1.2	1.2	1.2	1.1 J	
Trimethylbenzene, 1,2,3-	0.39 J	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	
Trimethylbenzene, 1,2,4-	0.44 J	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.49 J	
Trimethylbenzene, 1,3,5-	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.28 J	
Trimethylpentane, 2,2,4-	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	
Undecane, n-	1.3 UJ	1.3 U	1.3 UJ	1.3 UJ	2.7 J	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.4	
Vinyl bromide	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	
Vinyl chloride	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	
Other (%)															
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Helium	0.0157 U	0.023 U	0.0166 U	0.0193	1.39	0.017	0.016	0.0177	0.0179	0.0172	0.0186	0.0178	0.0168	0.0173	

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	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/m3)														
Benzene	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	28 J	18	18	20	14	13	17	27	30	28	66	56	29	30
Ethylbenzene	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-	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-	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/m3)														
Acetaldehyde	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	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)	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	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
Benzothiophene	1.1 U	2.7 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	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
Butadiene, 1,3-	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	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-	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	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	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Chlorobenzene	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Chloroethane	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U
Chloroform	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	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-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cryofluorane	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Cyclohexane	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-	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	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dibromoethane, 1,2-	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Dichlorobenzene, 1,2-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,3-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,4-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorodifluoromethane	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-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethane, 1,2-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 UJ	0.81 U	0.81 UJ	0.81 UJ	0.81 U	0.81 U	0.81 U
Dichloroethene, 1,1-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloroethene, cis-1,2-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloropropane, 1,2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Dichloropropene, cis-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dichloropropene, trans-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dioxane, 1,4-	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Dodecane, n-	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	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-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	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
Ethyltoluene, p-	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.25 J	0.98 U	0.27 J	0.98 U	0.98 U	0.98 U
Heptane, n-	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	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
Hexane, n-	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-	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U
Indene	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Methyl-2-pentanone, 4-	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 UJ	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Methylene chloride	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-	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 UJ	2.9 UJ	2.9 UJ	5.8 U
Methylnaphthalene, 2-	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-	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Methylthiophene, 3-	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Naphthalene	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	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-	2.4	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	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-	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-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	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	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-	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Tetrachloroethene	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	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	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Trans-1,2-dichloroethene	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	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-	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Trichloroethane, 1,1,1-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethane, 1,1,2-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethene	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichlorofluoromethane	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-	0.98 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-	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-	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Trimethylpentane, 2,2,4-	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U
Undecane, n-	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	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl chloride	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Other (%)														
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.88	5.8
Helium	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:	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/m3)														
Benzene	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	31	24	25	19	32	36	23	34	55	60	56	0.75 U	5.4	3.2
Ethylbenzene	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-	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-	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/m3)														
Acetaldehyde	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	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)	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	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	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	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 UJ	2.1 U
Bromomethane	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
Butadiene, 1,3-	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Butane	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-	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	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	1.3 U	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	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Chloroethane	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U
Chloroform	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	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-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cryofluorane	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Cyclohexane	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-	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	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dibromoethane, 1,2-	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Dichlorobenzene, 1,2-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,3-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,4-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.48 J	0.48 J	1.2 U	0.82 J	0.67 J
Dichlorodifluoromethane	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-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethane, 1,2-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethene, 1,1-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloroethene, cis-1,2-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloropropane, 1,2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Dichloropropene, cis-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dichloropropene, trans-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dioxane, 1,4-	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 UJ	0.72 UJ	0.72 UJ	0.72 UJ
Dodecane, n-	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	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-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	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
Ethyltoluene, p-	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.25 J	0.29 J	0.98 U	0.98 U	0.98 U
Heptane, n-	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	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Hexane, n-	0.78	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-	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 UJ	0.97 U
Indene	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 UJ	0.95 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Methyl-2-pentanone, 4-	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Methylene chloride	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-	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-	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-	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Methylthiophene, 3-	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Naphthalene	1.0 U	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	1.4	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-	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	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-	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-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	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	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-	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Tetrachloroethene	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.41 J	0.75 J	1.4 U	0.70 J	0.68 J
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	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	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Trans-1,2-dichloroethene	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	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-	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Trichloroethane, 1,1,1-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethane, 1,1,2-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethene	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichlorofluoromethane	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-	0.26 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-	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-	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Trimethylpentane, 2,2,4-	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 UJ
Undecane, n-	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	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl chloride	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Other (%)														
Carbon Dioxide	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	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:	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/m3)														
Benzene	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	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	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-	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-	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/m3)														
Acetaldehyde	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	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)	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	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	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	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	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	0.78 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-	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	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-	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	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	1.3 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	0.92 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	0.53 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	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	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-	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	1.4 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	32	26	30	34	39 J	20	40	20	11	19	10	3.1	2.1	8.5 J
Decane, n-	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	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-	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-	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-	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-	0.97 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	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-	0.81 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-	0.81 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-	0.79 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-	0.79 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-	0.92 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	0.91 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	0.91 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-	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-	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	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-	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

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	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
Ethyltoluene, p-	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-	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	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
Hexane, n-	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-	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	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	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	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-	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	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-	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-	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-	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-	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	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	1.0 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-	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	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-	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-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	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	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-	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	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	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	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	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-	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-	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-	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-	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	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	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-	0.98 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-	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-	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-	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-	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	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	0.51 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	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	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:	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-12 2/21/2007	OU2SG-12 9/18/2007	OU2SG-12 12/19/2007	OU2SG-12 3/27/2008
BTEX (ug/m3)														
Benzene	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	1.5 U	1.5 U	0.22 J	0.19 J
Toluene	8.1	8.1	7.3	12	14	22	13	2.3	4.7	3.9	2.5	100	70	1.4
Ethylbenzene	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	1.2 J	0.61 J	1.8	0.30 J
Xylene, m,p-	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	3.7 J	16	7.1	0.84 J
Xylene, o-	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	1.5 J	6.4	3.7	0.34 J
Other VOCs (ug/m3)														
Acetaldehyde	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	0.84 UJ	45	3.3 U	4.5 U
Acetone	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	9.6	7.2	1.0 U	3.0 U
Acrolein (propenal)	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	1.1 U	1.1 U	0.46 U	1.2 U
Allyl chloride	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	1.5 U	1.5 U	0.63 UJ	0.63 U
Benzothiophene	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	13 UJ	32 U	1.1 UJ	1.1 U
Bromodichloromethane	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	3.1 U	3.2 U	1.3 U	1.3 U
Bromoform	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	4.8 U	4.8 U	2.1 U	2.1 U
Bromomethane	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	1.8 U	1.8 U	0.78 U	0.78 U
Butadiene, 1,3-	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	1.0 U	1.0 U	0.44 U	0.44 U
Butane	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	1.1 U	0.28 J	0.48 U	0.48 U
Butanone, 2-	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	1.4 J	2.2	0.24 J	1.6
Carbon disulfide	0.22 J	0.44 J	0.37 J	1.2 J	2.1	7.4	21	16	11	3.6	1.4 U	9.9	1.0	0.44 J
Carbon tetrachloride	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	2.9 U	3.0 U	1.3 U	1.3 U
Chlorobenzene	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	2.1 U	2.2 U	0.92 U	0.92 U
Chloroethane	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	1.2 U	1.2 U	0.53 U	0.53 U
Chloroform	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	2.3 U	2.3 U	0.34 J	0.25 J
Chloromethane	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	0.96 U	0.34 J	0.41 U	0.41 U
Chlorotoluene, 2-	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	2.4 U	2.4 U	1.0 U	1.0 U
Cryofluorane	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	3.2 U	3.3 U	1.4 U	1.4 U
Cyclohexane	2.8	3.0	2.1	2.5	2.7	5.1	7.9	8.4 J	5.0	12	1.6 U	32	2.5	0.69 U
Decane, n-	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	2.2 J	20	1.2 U	2.2
Dibromochloromethane	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	4.0 U	4.0 U	1.7 U	1.7 U
Dibromoethane, 1,2-	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	3.6 U	3.6 U	1.5 U	1.5 U
Dichlorobenzene, 1,2-	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	2.8 U	2.8 U	1.2 U	1.2 U
Dichlorobenzene, 1,3-	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	2.8 U	2.8 U	1.2 U	0.67 J
Dichlorobenzene, 1,4-	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	2.8 UJ	1.1 J	0.72 J	1.2 U
Dichlorodifluoromethane	2.3	2.5	2.2	2.5	3.0	2.7	2.7	2.9	2.6	2.6	2.6	2.7	3.2	2.0
Dichloroethane, 1,1-	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	1.9 U	1.9 U	0.81 U	0.81 U
Dichloroethane, 1,2-	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	1.9 U	1.9 U	0.81 U	0.81 U
Dichloroethene, 1,1-	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	1.8 U	1.9 U	0.79 U	0.79 U
Dichloroethene, cis-1,2-	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	1.8 U	1.9 U	0.79 U	0.79 U
Dichloropropane, 1,2-	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	2.2 U	2.2 U	0.92 U	0.92 U
Dichloropropene, cis-1,3	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	2.1 U	2.1 U	0.91 U	0.91 U
Dichloropropene, trans-1,3	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	2.1 U	2.1 U	0.91 U	0.91 U
Dioxane, 1,4-	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	4.2 U	1.7 UJ	1.8 U	0.72 U
Dodecane, n-	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	3.1 J	2.4 J	1.0 J	1.0 J
Ethanol	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	14	16	0.73 J	7.4
Ethylthiophene, 2-	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	2.1 U	2.2 U	0.92 U	0.92 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	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-12 2/21/2007	OU2SG-12 9/18/2007	OU2SG-12 12/19/2007	OU2SG-12 3/27/2008
Ethyltoluene, p-	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	2.3 U	2.3 U	0.98 U	0.98 U
Heptane, n-	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	1.9 U	0.96 J	0.82 UJ	0.82 U
Hexachlorobutadiene	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	5.0 UJ	5.0 U	2.1 U	2.1 U
Hexane, n-	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	0.98 J	25	1.2	0.70 U
Hexanone, 2-	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	4.8 U	1.9 U	0.82 U	0.82 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	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	0.90 J	2.3 U	0.24 J	0.97 U
Indene	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	2.2 U	2.2 U	0.95 U	0.95 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	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	1.7 U	1.7 U	0.72 U	0.72 U
Methyl-2-pentanone, 4-	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	1.9 U	1.9 U	0.82 U	0.82 U
Methylene chloride	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	30	23	0.69 U	0.86 J
Methylnaphthalene, 1-	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	34 U	14 U	14 UJ	1.2 U
Methylnaphthalene, 2-	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	34 U	34 U	14 UJ	1.2 U
Methylthiophene, 2-	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	1.9 U	1.9 U	0.80 U	0.80 U
Methylthiophene, 3-	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	1.9 U	1.9 U	0.80 U	0.80 U
Naphthalene	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	1.1 J	2.0 J	0.94 J	1.0 U
Nonane	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	0.73 J	2.5 U	1.0 U	0.27 J
Octane, n-	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	2.2 U	2.2 U	0.93 U	4.5
Pentane	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	1.4 U	1.4 U	0.59 U	0.59 U
Propanol, 2-	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	0.86 J	0.81 J	0.49 U	0.95 J
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.85 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	0.85 U
t-Butyl alcohol	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	1.4 U	1.4 U	0.61 U	0.61 U
Tetrachloroethane, 1,1,2,2-	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	3.2 U	3.2 U	1.4 U	1.4 U
Tetrachloroethene	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	3.2 U	2.6 J	0.41 J	1.4 U
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	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	2.6 U	5.8 J	3.5	1.1 U
Thiophene	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	1.6 U	1.6 UJ	0.69 U	0.69 U
Trans-1,2-dichloroethene	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	1.8 U	1.9 U	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	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	3.6 U	3.6 U	1.5 U	0.51 J
Trichlorobenzene, 1,2,4-	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	3.5 UJ	3.5 U	1.5 U	1.5 U
Trichloroethane, 1,1,1-	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	2.5 U	2.6 U	1.1 U	1.1 U
Trichloroethane, 1,1,2-	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	2.5 U	2.6 U	1.1 U	1.1 U
Trichloroethene	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	2.5 U	2.5 U	1.1 U	1.1 U
Trichlorofluoromethane	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	1.6 J	1.4 J	1.5	1.2
Trimethylbenzene, 1,2,3-	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	2.1 J	2.1 J	0.69 J	0.48 J
Trimethylbenzene, 1,2,4-	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	3.0	0.92 J	0.98 U	0.98 U
Trimethylbenzene, 1,3,5-	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	2.0 U	0.80 J	1.5 J	0.29 J	0.98 U
Trimethylpentane, 2,2,4-	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	2.2 U	2.2 U	0.93 U	0.93 U
Undecane, n-	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	1.6 J	3.0 U	1.3 U	0.78 J
Vinyl bromide	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	2.0 U	2.0 U	0.87 U	0.87 U
Vinyl chloride	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	1.2 U	1.2 U	0.51 U	0.51 U
Other (%)														
Carbon Dioxide	4.81	4.02	4.8	5.03	4.25	3.98	6.83	5.48	6.29	NA	NA	NA	NA	NA
Helium	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	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:	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	Duplicate of OU2SG-12 1/26/2009
BTEX (ug/m3)														
Benzene	0.64 UJ	0.64 U	0.64 U	0.24 J	0.24 J	0.64 U	0.54 J	0.38 J	0.16 J	0.64 U	0.64 U	0.18 J	0.64 U	0.64 U
Toluene	0.79	0.61 J	0.46 J	0.78	0.70 J	0.39 J	0.94	0.72 J	0.54 J	0.58 J	0.49 J	0.68 J	0.39 J	0.33 J
Ethylbenzene	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.27 J	0.30 J	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Xylene, m,p-	0.39 J	0.52 J	0.40 J	0.43 J	0.39 J	0.36 J	0.85 J	0.74 J	0.70 J	0.63 J	0.33 J	0.43 J	0.40 J	0.39 J
Xylene, o-	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.30 J	0.30 J	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Other VOCs (ug/m3)														
Acetaldehyde	5.0	9.4	5.2 J	1.8 UJ	1.8 UJ	1.8 UJ	9.3 U	2.8 U	1.8 UJ	1.8 UJ	5.6 J	5.3 J	5.0 J	5.1 J
Acetone	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	9.4
Acrolein (propenal)	0.14 J	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U
Allyl chloride	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
Benzothiophene	1.1 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	1.1 UJ
Bromodichloromethane	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
Butadiene, 1,3-	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Butane	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	1.1	0.74	0.48 U	0.48 U	0.39 J	0.85	0.48 U	0.32 J
Butanone, 2-	0.59	0.59 U	0.59 U	0.51 J	0.37 J	0.59 U	2.5	0.65	0.59 U	0.59 U	0.62	0.57 J	1.2	1.1
Carbon disulfide	0.62 U	1.4 J	0.34 J	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U
Carbon tetrachloride	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Chlorobenzene	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Chloroethane	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U
Chloroform	1.4	14	14	12	14	13	7.7	11	12	12	14	12	11	11
Chloromethane	0.14 J	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.43	0.41 U	0.41 U	0.41 U	0.41 UJ	0.41 U	0.41 U	0.41 U
Chlorotoluene, 2-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cryofluorane	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Cyclohexane	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Decane, n-	4.8	1.9	1.4	0.78 J	0.85 J	0.77 J	0.35 J	0.76 J	0.70 J	1.2 U	0.71 J	0.84 J	1.2 U	1.2 U
Dibromochloromethane	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dibromoethane, 1,2-	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Dichlorobenzene, 1,2-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,3-	0.36 J	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,4-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorodifluoromethane	2.5	12	10	14	13	13	10	12	13	14	13	13	12	12
Dichloroethane, 1,1-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethane, 1,2-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethene, 1,1-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloroethene, cis-1,2-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloropropane, 1,2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Dichloropropene, cis-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dichloropropene, trans-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dioxane, 1,4-	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Dodecane, n-	8.9 J	2.0 J	1.3 J	1.4 U	0.56 J	1.4 U	1.4 U	0.76 J	0.85 J	1.4 U	0.70 J	0.91 J	1.4 U	1.4 U
Ethanol	1.9	5.8	4.5	7.7	6.8	1.9 U	10	2.0	1.7 J	1.8 J	16	5.7	17	17
Ethylthiophene, 2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	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	Duplicate of OU2SG-12 1/26/2009
Ethyltoluene, p-	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Heptane, n-	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.25 J	0.37 J	0.82 U	0.82 U	0.82 U	0.25 J	0.82 U	0.82 U
Hexachlorobutadiene	2.1 U	2.1 U	2.1 U	2.1 UJ	2.1 UJ	2.1 UJ	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Hexane, n-	0.70 UJ	0.70 U	0.70 U	0.70 U	0.70 U	0.7 U	0.19 J	0.32 J	0.70 U	0.70 U	0.70 U	0.24 J	0.70 U	0.70 U
Hexanone, 2-	0.37 J	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U
Indene	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	0.72 UJ	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Methyl-2-pentanone, 4-	0.82 U	0.82 U	0.43 J	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Methylene chloride	1.7 U	1.7 U	1.7 U	0.69 U	0.69 U	0.69 U	0.73 U	0.76 U	0.81 U	0.75 U	0.75 U	0.73 U	0.69 U	0.70 U
Methylnaphthalene, 1-	2.9 UJ	R	R	5.8 UJ	5.8 UJ	5.8 UJ	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 UJ	5.8 UJ	5.8 UJ
Methylnaphthalene, 2-	2.9 UJ	14 UJ	14 UJ	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U
Methylthiophene, 2-	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.8 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Methylthiophene, 3-	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.8 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	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Nonane	1.0 U	0.34 J	1.0 U	1.0 U	1.0 U	1 U	1.0 U	0.37 J	1.0 U	1.0 U	1.0 U	0.27 J	1.0 U	1.0 U
Octane, n-	1.6	0.93 U	0.27 J	0.55 J	0.52 J	0.93 U	0.93 U	0.37 J	0.93 U	0.93 U	0.93 U	0.67 J	0.93 U	0.93 U
Pentane	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.81	0.80	0.59 U	0.59 U	0.27 J	0.61	0.59 U	0.59 U
Propanol, 2-	0.56 J	0.49 UJ	0.49 UJ	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U
t-Butyl alcohol	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U
Tetrachloroethane, 1,1,2,2-	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Tetrachloroethene	1.4 U	0.52 J	0.49 J	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	0.44 J	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Thiophene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Trans-1,2-dichloroethene	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	0.54 J	1.0 J	0.60 J	0.39 J	0.52 J	0.51 J	0.55 J	0.54 J	0.84 J	0.56 J	0.52 J	0.51 J	1.5 U	1.5 U
Trichlorobenzene, 1,2,4-	1.5 U	1.5 UJ	1.5 UJ	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Trichloroethane, 1,1,1-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethane, 1,1,2-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethene	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichlorofluoromethane	1.4	81	63	100	100	100	71	93	100	110	110	110	100	97
Trimethylbenzene, 1,2,3-	0.34 J	0.29 J	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.29 J	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Trimethylbenzene, 1,2,4-	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.49 J	0.39 J	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Trimethylbenzene, 1,3,5-	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.25 J	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Trimethylpentane, 2,2,4-	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U
Undecane, n-	1.0 J	0.43 J	0.61 J	1.3 U	0.49 J	0.75 J	0.32 J	0.96 J	1.0 J	1.3 U	1.3 U	0.56 J	1.3 U	1.3 U
Vinyl bromide	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl chloride	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Other (%)														
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	0.0159 U	0.0228	0.0242	0.0188	0.0154	0.0174	0.0154	0.0147	0.017	0.0152	0.0167	0.0151	0.017	0.0165

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG-12 1/30/2009	OU2SG-12 2/5/2009	OU2SG-12 2/13/2009	OU2SG-12 2/23/2009	Duplicate of OU2SG-12 2/23/2009	OU2SG-12 3/25/2009	OU2SG-12 4/14/2009	OU2SG-12 5/11/2009	OU2SG-12 6/16/2009	OU2SG-12 7/30/2009	Duplicate of OU2SG-12 7/30/2009	OU2SG-12 8/26/2009	OU2SG-12 9/23/2009	Duplicate of OU2SG-12 9/23/2009
BTEX (ug/m3)														
Benzene	0.31 J	0.64 U	0.64 U	0.64 U	0.29 J	0.37 J	0.26 J	1.4	0.64	0.41 J	0.38 J	0.96 J	1.6 U	1.6 U
Toluene	1.3	0.54 J	0.48 J	0.34 J	1.2	1.4	1.2	11	5.4	2.2	2.6	1.7 J	1.9 U	1.9 U
Ethylbenzene	0.24 J	0.87 U	0.52 J	0.30 J	0.43 J	0.98 J	0.39 J	32	0.87 U	1.0	1.2	2.0 J	2.2 U	2.2 U
Xylene, m,p-	0.69 J	0.77 J	1.9	1.1 J	1.6 J	2.2	0.91 J	17	1.7 U	2.4	2.6	4.1 J	4.3 U	4.3 U
Xylene, o-	0.24 J	0.36 J	0.99	0.82 J	0.95	2.3	1.9	13	0.50 J	1.3	1.4	2.2 J	2.2 U	2.2 U
Other VOCs (ug/m3)														
Acetaldehyde	4.9 J	3.3 J	4.5 U	2.2 U	2.5 U	3.7 U	3.6 U	4.5 UJ	5.8 U	45	48	22 U	7.4 U	6.0 U
Acetone	3.9 U	2.3 UJ	3.1 U	2.4 U	3.8 U	2.0 J	2.9 J	4.0 U	4.4 U	23	24	14 UJ	4.5 U	3.5 U
Acrolein (propenal)	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	1.2 U	0.39 J	1.8	2.0	5.7 U	2.9 U	2.9 U
Allyl chloride	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	3.1 U	1.6 U	1.6 U
Benzothiophene	1.1 U	1.1 U	1.1 U	2.7 U	2.7 U	2.7 U	14 UJ	1.1 U	1.1 U	1.1 UJ	1.1 UJ	5.5 UJ	2.7 U	2.7 U
Bromodichloromethane	1.3 U	1.3 U	1.3 U	0.33 J	1.3 U	1.3 U	1.3 U	1.3 U	1.1 J	2.1	2.1	6.7 U	1.5 J	1.3 J
Bromoform	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 UJ	2.1 U	2.1 U	10 U	5.2 U	5.2 U
Bromomethane	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	3.9 U	1.9 U	1.9 U
Butadiene, 1,3-	0.44 U	0.44 U	0.44 UJ	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	2.2 U	1.1 U	1.1 U
Butane	1.2	0.37 J	0.48 U	0.55 J	0.64 J	0.73	1.8	1.2	1.4	0.45 J	0.52	2.4 U	1.2	1.0 J
Butanone, 2-	0.55 J	0.59	0.79	0.38 J	0.53 J	0.59 U	0.89	0.60	4.4	3.4	4.3	3.0 U	1.5 U	1.5 U
Carbon disulfide	0.29 J	0.23 J	0.26 J	0.25 J	0.19 J	0.42 J	0.62 U	2.1	0.79	1.6	1.6	3.1 U	1.6 U	1.6 U
Carbon tetrachloride	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	6.3 U	3.1 U	3.1 U
Chlorobenzene	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	4.6 U	2.3 U	2.3 U
Chloroethane	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	2.6 U	1.3 U	1.3 U
Chloroform	12	12	16	25	21	31	40	49	29	39	41	37	26	33
Chloromethane	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.13 J	0.22 J	0.39 J	0.39 J	0.62 J	1.0 U	1.0 U
Chlorotoluene, 2-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.2 U	2.6 U	2.6 U
Cryofluorane	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	7.0 U	3.5 U	3.5 U
Cyclohexane	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.34 J	0.18 J	0.69 U	0.69 U	3.4 U	1.7 U	1.7 U
Decane, n-	1.2	1.4	4.4	1.2	1.3	1.5	1.3	2.7 J	1.2 U	60	68	5.8 U	2.9 U	2.9 U
Dibromochloromethane	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	8.5 U	4.3 U	4.3 U
Dibromoethane, 1,2-	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	7.7 U	3.8 U	3.8 U
Dichlorobenzene, 1,2-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	6.0 U	3.0 U	3.0 U
Dichlorobenzene, 1,3-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2	1.4	6.0 U	3.0 U	3.0 U
Dichlorobenzene, 1,4-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.96 J	1.5	6.0 U	3.0 U	3.0 U
Dichlorodifluoromethane	13	8.5	12	12	10	6.6	7.0	4.0	2.6	4.8	4.8	4.2 J	3.8	3.6
Dichloroethane, 1,1-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	4.0 U	2.0 U	2.0 U
Dichloroethane, 1,2-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 UJ	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	4.0 U	2.0 U	2.0 U
Dichloroethene, 1,1-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	4.0 U	2.0 U	2.0 U
Dichloroethene, cis-1,2-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	4.0 U	2.0 U	2.0 U
Dichloropropane, 1,2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	4.6 U	2.3 U	2.3 U
Dichloropropene, cis-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	4.5 U	2.3 U	2.3 U
Dichloropropene, trans-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	4.5 U	2.3 U	2.3 U
Dioxane, 1,4-	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	1.7 U	0.72 UJ	0.72 U	0.72 U	3.6 U	1.8 U	1.8 U
Dodecane, n-	0.44 J	8.8 J	5.0 J	1.4 J	1.2 J	0.56 J	4.1	4.5	1.4 U	10 J	29 J	7.0 U	3.5 U	3.5 U
Ethanol	7.0	2.0	3.0 U	1.7 J	3.0 J	7.0	5.0	7.0	9.9	17	23	9.4 UJ	3.5 J	3.6 J
Ethylthiophene, 2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	4.6 U	2.3 U	2.3 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG-12 1/30/2009	OU2SG-12 2/5/2009	OU2SG-12 2/13/2009	OU2SG-12 2/23/2009	Duplicate of OU2SG-12 2/23/2009	OU2SG-12 3/25/2009	OU2SG-12 4/14/2009	OU2SG-12 5/11/2009	OU2SG-12 6/16/2009	OU2SG-12 7/30/2009	Duplicate of OU2SG-12 7/30/2009	OU2SG-12 8/26/2009	OU2SG-12 9/23/2009	Duplicate of OU2SG-12 9/23/2009
Ethyltoluene, p-	0.98 U	0.27 J	0.87 J	0.49 J	0.54 J	2.5	1.1	25	0.98 U	2.0	2.3	4.4 J	2.5 U	2.5 U
Heptane, n-	0.39 J	0.82 U	0.82 UJ	0.29 J	0.25 J	4.6	0.94	30	0.87	1.4	1.6	2.5 J	2.0 U	2.0 U
Hexachlorobutadiene	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 UJ	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	11 U	5.3 U	5.3 U
Hexane, n-	0.40 J	0.70 U	0.70 UJ	0.21 J	0.32 J	0.69 J	1.1	5.3	1.0	0.53 J	0.70	3.5 U	0.53 J	1.8 U
Hexanone, 2-	0.82 U	0.82 U	0.82 U	2.0 U	2.0 U	2.0 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	4.1 U	2.0 U	2.0 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	0.97 U	0.34 J	1.5	0.92 J	0.87 J	1.7	0.95 J	170	0.83 J	8.4	9.5	20	0.60 J	0.72 J
Indene	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 UJ	0.95 U	0.95 U	4.8 U	2.4 U	2.4 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	3.6 U	1.8 U	1.8 U
Methyl-2-pentanone, 4-	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	1.4	0.82 U	0.82	0.82 U	4.1 UJ	2.0 U	2.0 U
Methylene chloride	0.72 U	0.69 U	0.69 U	1.7 U	1.7 U	1.7 U	1.7 U	3.4	1.1 J	0.56 J	1.6 J	8.7 U	4.3 U	4.3 U
Methylnaphthalene, 1-	5.8 U	1.2 U	0.49 J	2.9 U	2.9 U	2.9 U	5.8 U	11 J	1.2 U	0.35 J	0.41 J	5.8 UJ	2.9 U	2.9 U
Methylnaphthalene, 2-	5.8 UJ	1.2 U	0.73 J	2.9 U	2.9 U	0.37 J	5.8 U	21	1.2 U	0.64 J	0.99 J	5.8 UJ	2.9 U	2.9 U
Methylthiophene, 2-	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	4.0 U	2.0 U	2.0 U
Methylthiophene, 3-	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	4.0 U	2.0 U	2.0 U
Naphthalene	1.0 U	1.0 U	0.41 J	1.0 U	1.0 U	1.0 U	1.0 UJ	11	1.6	2.2 J	6.2 J	5.2 U	2.6 U	2.6 U
Nonane	0.36 J	0.46 J	1.1	0.47 J	0.42 J	1.1	0.36 J	2.0	1.0 U	1.6	1.9	2.1 J	2.6 U	2.6 U
Octane, n-	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	2.3 U
Pentane	0.82	0.59 U	0.59 U	0.44 J	1.2	0.93	2.5	6.3	4.6	0.62 J	2.7 J	3.0 U	1.4 J	1.4 J
Propanol, 2-	1.2 U	0.49 UJ	0.49 U	1.2 UJ	1.2 UJ	1.2 UJ	0.49 UJ	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ	6.1 UJ	3.1 U	3.1 U
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	1.2	0.32 J	1.4	0.85 U	3.4	3.9	1.5 J	2.1 U	2.1 U
t-Butyl alcohol	0.61 U	0.61 U	1.5 U	0.61 U	0.61 U	0.61 U	0.26 J	0.22 J	0.30 J	0.61 U	0.61 U	3.0 U	1.5 U	1.5 U
Tetrachloroethane, 1,1,2,2-	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	6.9 U	3.4 U	3.4 U
Tetrachloroethene	1.4 U	1.4 U	0.49 J	1.5	0.47 J	0.36 J	0.54 J	1.1 J	2.0	4.9	5.4	6.1 J	4.6	4.7
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	1.1 U	0.28 J	4.7 J	1.9 J	1.8 J	6.6	19 J	390 J	110 J	11 J	28 J	10 J	58 J	71 J
Thiophene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	3.4 U	1.7 U	1.7 U
Trans-1,2-dichloroethene	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	4.0 U	2.0 U	2.0 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	0.60 J	0.52 J	0.57 J	0.69 J	0.69 J	0.90 J	1.3 J	2.3	2.5	3.1	3.1	3.1 J	2.9 J	2.7 J
Trichlorobenzene, 1,2,4-	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	7.4 U	3.7 U	3.7 U
Trichloroethane, 1,1,1-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	0.44 J	0.64 J	1.2	1.4	2.7	3.0	3.0 J	2.3 J	2.0 J
Trichloroethane, 1,1,2-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	5.4 U	2.7 U	2.7 U
Trichloroethene	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	5.4 U	2.7 U	2.7 U
Trichlorofluoromethane	120	89	130	160	130	140	190	330	370	850	780	800	620	610
Trimethylbenzene, 1,2,3-	0.98 U	0.79 J	3.0	1.5	1.4	5.1	3.2	170	1.7	5.9	6.7	8.1	1.8 J	2.1 J
Trimethylbenzene, 1,2,4-	0.98 U	1.2	5.0	2.6	2.6	3.4	2.1	19	0.98 U	4.1	4.8	3.7 J	2.5 U	2.5 U
Trimethylbenzene, 1,3,5-	0.98 U	0.37 J	1.2	0.74 J	0.69 J	2.5	1.0	16	0.98 U	1.5	1.7	2.5 J	2.5 U	2.5 U
Trimethylpentane, 2,2,4-	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	2.2	2.2	4.7 U	2.3 U	2.3 U
Undecane, n-	1.3 U	6.4	8.4	1.8	2.2	0.85 J	5.4	1.3 UJ	1.3 U	6.8 J	12 J	6.4 U	3.2 U	3.2 U
Vinyl bromide	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	4.4 U	2.2 U	2.2 U
Vinyl chloride	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	2.6 U	1.3 U	1.3 U
Other (%)														
Carbon Dioxide	NA	NA	NA	NA	NA	NA	2.89	3.93	4.41	8.56	7.98	10.3	8.67	8.57
Helium	0.0153	0.0144	0.03	0.017	0.0178	0.024	0.0208	0.0219 U	0.0145	0.0228 U	0.0204 U	0.018 U	0.0183 U	0.0171 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	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-13 3/30/2007	OU2SG-13 5/24/2007	OU2SG-13 7/25/2007	OU2SG-13 9/20/2007
BTEX (ug/m3)														
Benzene	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	0.70 J	1.3 U	13	0.84 J
Toluene	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	560	23	8.2	5.2
Ethylbenzene	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	5.6	1.8 U	1.3 J	1.7 J
Xylene, m,p-	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	16	0.99 J	1.7 J	6.5
Xylene, o-	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	6.0	1.8 U	0.89 J	4.1
Other VOCs (ug/m3)														
Acetaldehyde	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	27 J	93 J	400	12
Acetone	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	13 J	34 J	210 J	9.7
Acrolein (propenal)	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	0.65 J	2.3 U	4.2 J	0.93 U
Allyl chloride	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	1.3 U	1.6 U	1.3 U
Benzothiophene	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	2.2 U	5.5 U	2.7 U	2.2 U
Bromodichloromethane	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	2.6 U	2.7 U	3.3 U	2.7 U
Bromoform	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	4.2 U	5.1 U	4.2 U
Bromomethane	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	1.5 U	1.6 U	1.9 U	1.6 U
Butadiene, 1,3-	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	0.89 U	6.8	0.90 U
Butane	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	2.6	1.1	7.3	0.96 U
Butanone, 2-	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	2.7	5	43	3.0
Carbon disulfide	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	3.2	6.3 J	3	20
Carbon tetrachloride	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 UJ	3.1 U	2.6 U
Chlorobenzene	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	1.9 U	2.3 U	1.9 U
Chloroethane	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	1.1 U	1.3 U	1.1 U
Chloroform	16	18	17	12	8.0	18	12	14	14	48	1.9 U	2 U	2.4 U	2.6
Chloromethane	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	2.0 U	1.4	0.91 J	0.54 J
Chlorotoluene, 2-	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	2.0 U	2.1 U	2.6 U	2.1 U
Cryofluorane	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	3.5 U	2.8 U
Cyclohexane	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	42	17	1.7 U	1.4 U
Decane, n-	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	3.1	3.3	2 J	2.4 U
Dibromochloromethane	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	4.2 U	3.5 U
Dibromoethane, 1,2-	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	3.0 U	3.1 U	3.8 U	3.1 U
Dichlorobenzene, 1,2-	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	3 U	2.4 U
Dichlorobenzene, 1,3-	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	3 U	2.4 U
Dichlorobenzene, 1,4-	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	3 U	2.4 U
Dichlorodifluoromethane	2.7	2.7	2.5	2.8	1.6 J	1.6 J	2.0	2.2	2.3	2.0 UJ	2.7	2 J	2.9	
Dichloroethane, 1,1-	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	2 U	1.6 U
Dichloroethane, 1,2-	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	2 U	1.6 U
Dichloroethene, 1,1-	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	2 U	1.6 U
Dichloroethene, cis-1,2-	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	2 U	1.6 U
Dichloropropane, 1,2-	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	1.9 U	2.3 U	1.9 U
Dichloropropene, cis-1,3	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	2.2 U	1.8 U
Dichloropropene, trans-1,3	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	2.2 U	1.8 U
Dioxane, 1,4-	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	3.6 U	1.4 U	1.8 U	1.5 U
Dodecane, n-	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 UJ	9.2	5 J	2.8 J
Ethanol	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	20 J	3.5 J	40	5.9
Ethylthiophene, 2-	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	2.3 U	1.9 U

Table 5-1
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Sample Name: Sample Date:	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-13 3/30/2007	OU2SG-13 5/24/2007	OU2SG-13 7/25/2007	OU2SG-13 9/20/2007
Ethyltoluene, p-	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 U	2.4 U	1.2 J
Heptane, n-	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	5.1	1.6 U	1.6 J	1.7 U
Hexachlorobutadiene	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	4.2 UJ	4.3 U	5.3 U	4.3 U
Hexane, n-	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	130	28	3.2	1.6
Hexanone, 2-	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	3.6	2.2
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	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	2 U	2.4 U	1.7 J
Indene	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	1.3 J	1.9 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	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	1.5 U	1.8 U	2.6
Methyl-2-pentanone, 4-	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	4	1.7 U
Methylene chloride	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	31	4.5	2.4
Methylnaphthalene, 1-	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	2.3 U	29 U	2.9 U	2.4 U
Methylnaphthalene, 2-	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	2.3 U	12 U	36 UJ	2.4 U
Methylthiophene, 2-	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	2 U	1.6 U
Methylthiophene, 3-	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	2 U	1.6 U
Naphthalene	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 UJ	2.1 U	1.6 J	2.1 U
Nonane	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	3.5	2.1 U	1.9 J	2.1 U
Octane, n-	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	1.7 J	1.9 U	1.3 J	1.9 U
Pentane	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	1.6	1.2 U	6.1	1.1 J
Propanol, 2-	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	1.4 J	2 J	4.8	1.9
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	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	1.2 J	1.7 U
t-Butyl alcohol	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 UJ	1.2 U	5.1	3.2
Tetrachloroethane, 1,1,2,2-	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	2.8 U	3.4 U	2.8 U
Tetrachloroethene	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	5.0	2.7 U	3.4 U	1.6 J
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	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	27 U	11 U	14 U	7.0
Thiophene	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	1.7 U	1.4 U
Trans-1,2-dichloroethene	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	2 U	1.6 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	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	3.0 U	3.1 U	3.8 U	0.93 J
Trichlorobenzene, 1,2,4-	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	2.9 U	3 U	3.7 U	3.0 U
Trichloroethane, 1,1,1-	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	2.2 U	2.2 UJ	2.7 U	2.2 U
Trichloroethane, 1,1,2-	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	2.7 U	2.2 U
Trichloroethene	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	2.1 U	2.2 U	2.7 U	2.2 U
Trichlorofluoromethane	370	300	270	150	130	120	130	190	200	250	1.3 J	2.3 U	1.1 J	1.6 J
Trimethylbenzene, 1,2,3-	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 U	0.97 J	5.9
Trimethylbenzene, 1,2,4-	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 UJ	2 U	2.4 U	6.9
Trimethylbenzene, 1,3,5-	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	1.6 J	2 U	2.4 U	3.2
Trimethylpentane, 2,2,4-	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	1.8 UJ	1.9 U	2.3 U	1.9 U
Undecane, n-	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	3.7 J	1.7 J	5.2	2.5 J
Vinyl bromide	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	1.7 U	1.8 U	2.2 U	1.8 U
Vinyl chloride	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 U	1.3 U	1.0 U
Other (%)														
Carbon Dioxide	7.04	5.55	5.47	3.49	2.99	2.6	2.88	3.33	3.44	7.14	NA	NA	NA	NA
Helium	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	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:	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	OU2SG-14 3/30/2007	Duplicate of OU2SG-14 3/30/2007
BTEX (ug/m3)														
Benzene	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	1.2 U	1.2 U
Toluene	24	860	3200	120	24	12	11	31	6.6	2.2	6.7	9.0	4.0	4.5
Ethylbenzene	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	0.96 J	1.3 J
Xylene, m,p-	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	4.6	5.6
Xylene, o-	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	3.6	4.4
Other VOCs (ug/m3)														
Acetaldehyde	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	31 U	32 U
Acetone	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	11 J	12 J
Acrolein (propenal)	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	0.86 U	0.88 U
Allyl chloride	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	1.2 U	1.2 U
Benzothiophene	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	2.1 U	2.1 U
Bromodichloromethane	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	2.5 U	2.6 U
Bromoform	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	3.9 U	4.0 U
Bromomethane	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	1.5 U	1.5 U
Butadiene, 1,3-	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	0.83 U	0.85 U
Butane	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	0.62 J	2.3 U
Butanone, 2-	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	2.7	3.1
Carbon disulfide	6.6	17	48	72	15	5.3	5.0	4.8	3.1	1.5	3.4	5.4	2.9 U	3.0 U
Carbon tetrachloride	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	2.4 U	2.4 U
Chlorobenzene	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	1.7 U	1.8 U
Chloroethane	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	0.99 U	1.0 U
Chloroform	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	13	14
Chloromethane	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	1.9 U	2.0 U
Chlorotoluene, 2-	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	1.9 U	2.0 U
Cryofluorane	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	2.6 U	2.7 U
Cyclohexane	0.28 J	100	290	140	88	36	38	52	33	16	12	20	1.3 U	1.3 U
Decane, n-	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	1.9 J	2.7
Dibromochloromethane	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	3.2 U	3.3 U
Dibromoethane, 1,2-	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	2.9 U	3.0 U
Dichlorobenzene, 1,2-	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	2.3 U	2.3 U
Dichlorobenzene, 1,3-	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	2.3 U	2.3 U
Dichlorobenzene, 1,4-	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	2.3 U	2.3 U
Dichlorodifluoromethane	3.6	2.7	2.5	2.7	2.4	2.3	2.1	1.3	2.9	2.3	2.2	2.4	3.6	3.2
Dichloroethane, 1,1-	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	1.5 U	1.6 U
Dichloroethane, 1,2-	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	1.5 U	1.6 U
Dichloroethene, 1,1-	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	1.5 U	1.5 U
Dichloroethene, cis-1,2-	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	1.5 U	1.5 U
Dichloropropane, 1,2-	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	1.7 U	1.8 U
Dichloropropene, cis-1,3	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	1.7 U	1.8 U
Dichloropropene, trans-1,3	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	1.7 U	1.8 U
Dioxane, 1,4-	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	3.4 U	3.5 U
Dodecane, n-	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	11 J	5.8 J
Ethanol	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	23	30
Ethylthiophene, 2-	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	1.7 U	1.8 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	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	OU2SG-14 3/30/2007	Duplicate of OU2SG-14 3/30/2007
Ethyltoluene, p-	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	1.8 U	1.9 U
Heptane, n-	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	1.5 U	1.6 U
Hexachlorobutadiene	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	4.0 UJ	4.1 UJ
Hexane, n-	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	1.9	1.4
Hexanone, 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	1.5 U	1.6 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	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	0.93 J	0.95 J
Indene	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	1.8 U	1.8 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	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	1.4 U	1.4 U
Methyl-2-pentanone, 4-	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	1.5 U	1.6 U
Methylene chloride	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	4.9 J	3.3 U
Methylnaphthalene, 1-	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	2.2 U	2.2 U
Methylnaphthalene, 2-	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	2.2 U	2.2 U
Methylthiophene, 2-	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	1.5 U	1.6 U
Methylthiophene, 3-	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	1.5 U	1.6 U
Naphthalene	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	2.0 J	2.2 J
Nonane	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	2.0 U	1.0 J
Octane, n-	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	1.8 U	1.8 U
Pentane	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	1.1 U	1.1 U
Propanol, 2-	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	1.7 J	3.2 J
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	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	17 J	25 J
t-Butyl alcohol	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	1.1 UJ	1.2 UJ
Tetrachloroethane, 1,1,2,2-	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	2.6 U	2.6 U
Tetrachloroethene	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	7.9	8.0
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	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	26 U	26 U
Thiophene	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	1.3 U	1.3 U
Trans-1,2-dichloroethene	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	1.5 U	1.5 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	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	2.9 U	3.0 U
Trichlorobenzene, 1,2,4-	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	2.8 UJ	2.9 UJ
Trichloroethane, 1,1,1-	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	2.0 U	2.1 U
Trichloroethane, 1,1,2-	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	2.0 U	2.1 U
Trichloroethene	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	2.0 U	2.1 U
Trichlorofluoromethane	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	1.4 J	1.8 J
Trimethylbenzene, 1,2,3-	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	1.9	1.9 U
Trimethylbenzene, 1,2,4-	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	1.8 U	1.9 U
Trimethylbenzene, 1,3,5-	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	1.8 UJ	5.2 J
Trimethylpentane, 2,2,4-	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	1.8 UJ	1.8 UJ
Undecane, n-	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	2.2 J	2.5 UJ
Vinyl bromide	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	1.6 U	1.7 U
Vinyl chloride	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	0.96 U	0.99 U
Other (%)														
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NA	NA	NA	0.063	0.13	0.64	0.531	0.034	0.289	0.03	0.151	0.035	NA	NA

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG-14 6/14/2007	OU2SG-14 12/19/2007	OU2SG-14 4/3/2008	OU2SG-14 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	OU2SG-14 6/30/2010	OU2SG-15 4/3/2008	OU2SG-15 6/19/2008
BTEX (ug/m3)														
Benzene	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	1.3 U	0.72	0.64 UJ
Toluene	17	2.8	4.9	7.5	7.5	0.75 U	0.75 U	1.4	1.5	1.5 U	62	1.3 J	2.1	1.2
Ethylbenzene	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	1.7 U	0.68 J	0.30 J
Xylene, m,p-	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	3.5 U	2.2	0.87 J
Xylene, o-	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	1.7 U	1.0	0.35 J
Other VOCs (ug/m3)														
Acetaldehyde	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	9.0 UJ	4.5 U	10
Acetone	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	2.8 J	3.6 U	6.8
Acrolein (propenal)	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	2.3 U	0.16 J	0.27 J
Allyl chloride	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	1.2 U	0.63 U	0.63 U
Benzothiophene	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	2.2 U	1.1 UJ	1.1 UJ
Bromodichloromethane	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	2.7 U	1.3 U	1.3 U
Bromoform	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	4.1 U	2.1 U	2.1 U
Bromomethane	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	1.6 U	0.78 U	0.78 U
Butadiene, 1,3-	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	0.88 U	0.44 U	0.44 U
Butane	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	8.8	0.48 U	0.48 U
Butanone, 2-	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	1.2 U	0.62 J	1.7
Carbon disulfide	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	1.8 U	0.21 J	1.2 U
Carbon tetrachloride	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	2.5 U	1.3 U	1.3 U
Chlorobenzene	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	1.8 U	0.92 U	0.92 U
Chloroethane	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	1.0 U	0.53 U	0.53 U
Chloroform	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	2.0 U	0.98 U	2.0
Chloromethane	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	0.83 U	0.41 U	0.17 J
Chlorotoluene, 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	2.1 U	2.1 U	1.0 U	1.0 U
Cryofluorane	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	2.8 U	1.4 U	1.4 U
Cyclohexane	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	0.49 J	0.69 U	0.69 U
Decane, n-	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	4.3	10	12
Dibromochloromethane	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	3.4 U	1.7 U	1.7 U
Dibromoethane, 1,2-	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	3.1 U	1.5 U	1.5 U
Dichlorobenzene, 1,2-	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	2.4 U	1.2 U	1.2 U
Dichlorobenzene, 1,3-	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	2.4 U	1.2 U	1.4
Dichlorobenzene, 1,4-	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	2.4 U	0.41 J	1.2 U
Dichlorodifluoromethane	2.2	3.3	2.0	2.3	2.8	3.1	2.2	1.6	2.6	2.2	2.5	2.2	2.0	3.7
Dichloroethane, 1,1-	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	1.6 UJ	0.81 U	0.81 U
Dichloroethane, 1,2-	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	1.6 U	0.81 U	0.81 U
Dichloroethene, 1,1-	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	1.6 U	0.79 U	0.79 U
Dichloroethene, cis-1,2-	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	1.6 U	0.79 U	0.79 U
Dichloropropane, 1,2-	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	1.8 U	0.92 U	0.92 U
Dichloropropene, cis-1,3	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	1.8 U	0.91 U	0.91 U
Dichloropropene, trans-1,3	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	1.8 U	0.91 U	0.91 U
Dioxane, 1,4-	3.6 U	1.8 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 UJ	1.4 U	1.4 U	1.4 U	1.4 U	0.72 U	0.72 U
Dodecane, n-	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	20	7.7	20 J
Ethanol	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	3.8 U	4.3 J	4.5
Ethylthiophene, 2-	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	1.8 U	0.92 U	0.92 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG-14 6/14/2007	OU2SG-14 12/19/2007	OU2SG-14 4/3/2008	OU2SG-14 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	OU2SG-14 6/30/2010	OU2SG-15 4/3/2008	OU2SG-15 6/19/2008
Ethyltoluene, p-	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	2.0 U	0.42 J	0.98 U
Heptane, n-	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	1.6 U	0.23 J	0.82 U
Hexachlorobutadiene	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	4.3 U	2.1 U	2.1 U
Hexane, n-	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	0.48 J	0.26 J	0.70 UJ
Hexanone, 2-	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	1.6 U	0.82 U	0.45 J
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	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	1.9 U	0.26 J	0.97 U
Indene	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	1.9 UJ	0.95 U	0.95 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	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	1.4 UJ	0.72 U	0.72 UJ
Methyl-2-pentanone, 4-	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	1.6 U	0.82 U	0.25 J
Methylene chloride	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	2.4 J	1.7 U	1.8 U
Methylnaphthalene, 1-	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	5.8 U	1.2 UJ	2.9 U
Methylnaphthalene, 2-	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	5.8 U	1.2 UJ	2.9 U
Methylthiophene, 2-	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	1.6 U	0.80 U	0.80 UJ
Methylthiophene, 3-	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	1.6 U	0.80 U	0.80 UJ
Naphthalene	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	2.1 U	0.37 J	0.73 J
Nonane	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	2.1 U	0.39 J	0.42 J
Octane, n-	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	1.7 J	2.7	10
Pentane	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	2.3	0.39 J	0.21 J
Propanol, 2-	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	2.5 U	1.0 J	0.81 J
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	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	1.7 U	0.36 J	0.85 U
t-Butyl alcohol	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	1.2 U	0.68	0.61 U
Tetrachloroethane, 1,1,2,2-	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	2.7 U	1.4 U	1.4 U
Tetrachloroethene	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	1.3 J	6.4	5.6
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	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	2.2 U	1.1	1.0 J
Thiophene	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	1.4 U	0.69 U	0.69 U
Trans-1,2-dichloroethene	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	1.6 UJ	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	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	3.1 U	0.55 J	1.5 U
Trichlorobenzene, 1,2,4-	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	3.0 U	1.5 U	1.5 U
Trichloroethane, 1,1,1-	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	2.2 U	1.1 U	1.1 U
Trichloroethane, 1,1,2-	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	2.2 U	1.1 U	1.1 U
Trichloroethene	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	2.2 U	1.1 U	1.1 U
Trichlorofluoromethane	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	1.4 J	1.2	1.9
Trimethylbenzene, 1,2,3-	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	2.0 U	1.8	0.88 J
Trimethylbenzene, 1,2,4-	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	2.0 U	0.53 J	0.98 U
Trimethylbenzene, 1,3,5-	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	2.0 U	1.3	0.54 J
Trimethylpentane, 2,2,4-	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	1.9 U	0.36 J	0.93 U
Undecane, n-	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	2.6 U	2.9	10
Vinyl bromide	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	1.8 U	0.87 U	0.87 U
Vinyl chloride	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	1.0 U	0.51 U	0.51 U
Other (%)														
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.964	NA	NA
Helium	NA	NA	NA	0.0167 U	0.021	0.0221	0.128	0.0245	0.00361 U	0.0175 U	0.0161 U	0.0163 U	NA	0.0172 U

Table 5-1
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Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	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	OU2SG-16 9/18/2008	OU2SG-16 12/29/2008	OU2SG-16 3/17/2009	OU2SG-16 9/29/2009
BTEX (ug/m3)														
Benzene	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	0.64 U	0.64 U	0.19 J	1.6 U
Toluene	0.60 J	0.72 J	2.5	3.1	4.9	2.3	1.5 U	1.1 J	1.6	9.6	6.3	46	2.3	1.7 J
Ethylbenzene	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	0.48 J	0.65 J	0.61 J	2.2 U
Xylene, m,p-	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	1.3 J	14	1.9	1.2 J
Xylene, o-	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	0.65 J	5.9	1.1	2.2 U
Other VOCs (ug/m3)														
Acetaldehyde	9.6	11	3.3 U	2.7 U	7.1	7.3 J	4.2	9.3	4.5 U	52	8.5 J	4.0 J	6.6	7.2
Acetone	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	3.8	2.0 U	4.4 J	7.6 U
Acrolein (propenal)	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	0.46 U	0.46 U	0.46 U	2.9 U
Allyl chloride	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	0.63 U	0.63 U	0.63 U	1.6 U
Benzothiophene	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	1.1 U	1.1 UJ	2.7 U	2.7 U
Bromodichloromethane	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	1.3 U	1.3 U	1.3 U	3.4 U
Bromoform	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	2.1 U	2.1 U	2.1 U	5.2 U
Bromomethane	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	0.78 U	0.78 U	0.78 U	1.9 U
Butadiene, 1,3-	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	0.44 U	0.44 U	0.44 U	1.1 U
Butane	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	0.48 U	0.63	0.48 U	1.2 U
Butanone, 2-	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	1.6	0.59 U	1.4	1.5 U
Carbon disulfide	0.62 U	0.65 U	1.7	2.3	9.7	6.9	0.37 J	3.1	0.85	1.2	0.75 U	8.7	0.62 U	1.6 U
Carbon tetrachloride	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	1.3 U	1.3 U	1.3 U	3.1 U
Chlorobenzene	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	0.92 U	0.92 U	0.92 U	2.3 U
Chloroethane	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	0.53 U	0.53 U	0.53 U	1.3 U
Chloroform	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	7.1	2.8	3.4	8.3
Chloromethane	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	0.41 U	0.41 U	0.41 U	1.0 U
Chlorotoluene, 2-	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	1.0 U	1.0 U	1.0 U	2.6 U
Cryofluorane	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	1.4 U	1.4 U	1.4 U	3.5 U
Cyclohexane	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	0.31 J	150	0.62 J	0.60 J
Decane, n-	57	57	1.2 U	1.2 U	1.2 U	2.3 U	2.3 U	2.3 U	2.4	72	100	1.2 U	2.9	2.9 U
Dibromochloromethane	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	1.7 U	1.7 U	1.7 U	4.3 U
Dibromoethane, 1,2-	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	1.5 U	1.5 U	1.5 U	3.8 U
Dichlorobenzene, 1,2-	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	1.2 U	0.40 J	1.2 U	3.0 U
Dichlorobenzene, 1,3-	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	2.0	1.2 U	4.9	3.0 U
Dichlorobenzene, 1,4-	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	0.36 J	0.31 J	1.6	3.0 U
Dichlorodifluoromethane	2.6	2.6	2.9	2.2	1.2	2.9	2.3	2.7	1.8	2.2	2.8	2.2	2.4	2.6
Dichloroethane, 1,1-	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	0.81 U	0.81 U	0.81 U	2.0 U
Dichloroethane, 1,2-	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	0.81 U	0.81 U	0.81 UJ	2.0 U
Dichloroethene, 1,1-	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	0.79 U	0.79 U	0.79 U	2.0 U
Dichloroethene, cis-1,2-	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	0.79 U	0.79 U	0.79 U	2.0 U
Dichloropropane, 1,2-	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	0.92 U	0.92 U	0.92 U	2.3 U
Dichloropropene, cis-1,3	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	0.91 U	0.91 U	0.91 U	2.3 U
Dichloropropene, trans-1,3	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	0.91 U	0.91 U	0.91 U	2.3 U
Dioxane, 1,4-	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	0.72 U	0.72 U	0.72 U	1.8 U
Dodecane, n-	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	41	1.4 UJ	1.5 J	1.9 J
Ethanol	12	12	1.1 J	1.7 J	7.6	3.8 U	1.2 J	2.6 J	1.3 J	2.2	36	1.6 J	93	6.5
Ethylthiophene, 2-	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	0.92 U	0.92 U	0.92 U	2.3 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	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	OU2SG-16 9/18/2008	OU2SG-16 12/29/2008	OU2SG-16 3/17/2009	OU2SG-16 9/29/2009
Ethyltoluene, p-	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	0.25 J	0.36 J	0.54 J	2.5 U
Heptane, n-	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	1.2	0.38 J	0.82 U	2.0 U
Hexachlorobutadiene	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	2.1 U	2.1 U	2.1 U	5.3 U
Hexane, n-	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	0.39 J	17	0.28 J	1.8 U
Hexanone, 2-	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	2.1	0.82 U	2.0 U	2.0 UJ
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	0.97 U	0.97 U	0.97 U	0.27 J	0.64 J	1.9 U	1.9 UJ	1.9 U	0.52 J	0.72 J	0.29 J	0.97 U	0.68 J	2.4 U
Indene	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	0.95 U	0.95 U	0.95 U	2.4 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	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	0.72 U	0.72 U	0.72 U	1.8 U
Methyl-2-pentanone, 4-	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	0.82 U	0.82 U	0.82 U	2.0 U
Methylene chloride	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	0.69 U	1.7 U	1.7 U	4.3 U
Methylnaphthalene, 1-	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	1.2 U	R	2.9 UJ	2.9 U
Methylnaphthalene, 2-	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	1.2 U	14 UJ	2.9 UJ	2.9 UJ
Methylthiophene, 2-	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	0.80 U	0.80 U	0.80 U	2.0 U
Methylthiophene, 3-	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	0.80 U	0.80 U	0.80 U	2.0 U
Naphthalene	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	1.0 U	0.30 J	0.47 J	2.6 U
Nonane	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	1.7	1.0 U	1.3	2.6 U
Octane, n-	130	140	0.93 U	0.93 U	0.93 U	1.9 U	1.9 U	1.9 U	1.0	230	410	0.93 U	0.75 J	2.3 U
Pentane	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	0.59 U	1.4	0.59 U	1.5 U
Propanol, 2-	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	0.49 U	0.91 UJ	14	3.0 U
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	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	0.43 J	0.85 U	0.85 U	2.1 U
t-Butyl alcohol	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	0.48 J	0.61 U	0.15 J	1.5 U
Tetrachloroethane, 1,1,2,2-	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	1.4 U	1.4 U	1.4 U	3.4 U
Tetrachloroethene	2.1	2.2	2.0	2.1	5.9	3.1	2.7 U	1.9 J	11	6.5	4.2	4.2	1.8	1.0 J
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	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	1.6	0.72 J	0.66 J	2.7 UJ
Thiophene	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	0.69 U	0.69 U	0.69 U	1.7 U
Trans-1,2-dichloroethene	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	0.79 U	0.79 U	0.79 U	2.0 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	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	0.46 J	0.44 J	0.46 J	3.8 U
Trichlorobenzene, 1,2,4-	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	1.5 U	1.5 U	1.5 U	3.7 U
Trichloroethane, 1,1,1-	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	1.1 U	1.1 U	1.1 U	2.7 U
Trichloroethane, 1,1,2-	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	1.1 U	1.1 U	1.1 U	2.7 U
Trichloroethene	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	5.2	1.1 U	1.1 U	2.7 U
Trichlorofluoromethane	1.1	1.2	1.4	1.1	1.4	1.7 J	1.1 J	1.4 J	1.4	2.2	1.7	1.4	1.2	1.5 J
Trimethylbenzene, 1,2,3-	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	0.69 J	1.6	3.0	2.5 U
Trimethylbenzene, 1,2,4-	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	1.5	0.72 J	0.79 J	0.74 J
Trimethylbenzene, 1,3,5-	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	0.39 J	0.65 J	1.3	2.5 U
Trimethylpentane, 2,2,4-	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	1.4	0.93 U	0.93 U	2.3 U
Undecane, n-	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	1.3 UJ	1.3 U	1.8	3.2 U
Vinyl bromide	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	0.87 U	0.87 U	0.87 U	2.2 U
Vinyl chloride	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	0.51 U	0.51 U	0.51 U	1.3 U
Other (%)														
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	0.016 U	0.018 U	0.0231	0.0183 U	0.0185	0.00378 U	0.0157 U	0.0184 U	NA	NA	0.0171 U	0.0158	0.0197 U	0.00333 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	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	OU2SG-17 12/18/2009	OU2SG-17 3/31/2010	OU2SG-17 6/30/2010	OU2SG-18 4/3/2008
BTEX (ug/m3)														
Benzene	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	1.3 U	1.3 U	0.49 J	0.64 U
Toluene	55	9.6	1.6	0.49 J	0.45 J	0.45 J	0.70 J	20	32	27	4.6	11	9.8	0.27 J
Ethylbenzene	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	1.7 U	0.95 J	1.7 U	0.87 U
Xylene, m,p-	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	3.5 U	1.3 J	0.87 J	1.7 U
Xylene, o-	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	1.7 U	0.78 J	1.7 U	0.87 U
Other VOCs (ug/m3)														
Acetaldehyde	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	2.2 J	3.8 J	5.8 J	4.7 U
Acetone	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	4.8 U	4.8 U	3.0 J	2.6 U
Acrolein (propenal)	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	2.3 U	2.3 U	2.3 U	1.2 U
Allyl chloride	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	0.63 U
Benzothiophene	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	2.2 U	2.2 U	2.2 U	1.1 UJ
Bromodichloromethane	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	1.3 U
Bromoform	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	2.1 U
Bromomethane	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	0.78 U
Butadiene, 1,3-	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	0.44 U
Butane	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	0.48 J	1.6	0.95 U	0.48 U
Butanone, 2-	1.2 U	1.2 U	2.3	0.68	0.62	0.77	0.38 J	1.1	0.59	1.5 U	1.2 U	1.2 U	1.2 U	0.55 J
Carbon disulfide	1.1 J	4.8	1.6	0.62 U	0.62 U	0.62 U	0.62 U	4.3	73	42	15	27	80	0.34 J
Carbon tetrachloride	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	1.3 U
Chlorobenzene	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	0.92 U
Chloroethane	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	0.53 U
Chloroform	3.1	3.2	1.7	3.2	1.1	0.98	0.50 J	0.27 J	0.82 J	2.4 U	2.0 U	0.78 J	0.88 J	0.44 J
Chloromethane	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	0.21 J	0.83 U	0.83 U	0.41 U
Chlorotoluene, 2-	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	1.0 U
Cryofluorane	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	1.4 U
Cyclohexane	20	49	0.69 U	0.69 U	0.69 U	0.69 U	0.65 J	2.4	3.2	2.3	0.89 J	1.6	1.4 J	0.69 U
Decane, n-	2.3 U	2.3 U	1.4	3.7	18	17	1.7	1.1 J	1.2 U	2.9 U	2.3 U	2.3 U	2.3 U	1.2 U
Dibromochloromethane	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	1.7 U
Dibromoethane, 1,2-	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	1.5 U
Dichlorobenzene, 1,2-	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	2.4 U	2.4 U	2.4 U	1.2 U
Dichlorobenzene, 1,3-	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	2.4 U	2.4 U	2.4 U	1.2 U
Dichlorobenzene, 1,4-	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	2.4 U	1.1 J	2.1 J	1.2 U
Dichlorodifluoromethane	2.5	2.9	2.9	2.7	3.0	2.9	2.5	2.2	1.6	2.4 J	2.4	2.7	2.7	3.0
Dichloroethane, 1,1-	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 UJ	0.81 U
Dichloroethane, 1,2-	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	1.6 U	1.6 U	1.6 U	0.81 U
Dichloroethene, 1,1-	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	0.79 U
Dichloroethene, cis-1,2-	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	1.6 U	1.6 U	1.6 U	0.79 U
Dichloropropane, 1,2-	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	0.92 U
Dichloropropene, cis-1,3	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	0.91 U
Dichloropropene, trans-1,3	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	0.91 U
Dioxane, 1,4-	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	0.72 U
Dodecane, n-	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	2.8 UJ	2.8 U	2.8 U	1.4 U
Ethanol	7.3	4.0	6.4	1.5 J	3.2	2.8	5.3	7.4	4.0	1.8 J	1.0 J	0.94 J	1.3 J	1.5 J
Ethylthiophene, 2-	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	0.92 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	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	OU2SG-17 12/18/2009	OU2SG-17 3/31/2010	OU2SG-17 6/30/2010	OU2SG-18 4/3/2008
Ethyltoluene, p-	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	2.0 U	2.0 U	2.0 U	0.98 U
Heptane, n-	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	1.6 U	1.6 U	1.6 U	0.82 U
Hexachlorobutadiene	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	2.1 U
Hexane, n-	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	1.4 U	0.70 J	1.4 U	0.70 UJ
Hexanone, 2-	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	1.6 U	1.6 U	1.6 U	0.82 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	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	1.9 UJ	1.9 U	1.9 U	0.97 U
Indene	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	1.9 UJ	1.9 U	1.9 UJ	0.95 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	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	1.4 U	1.4 U	1.4 UJ	0.72 U
Methyl-2-pentanone, 4-	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	1.6 U	1.6 U	1.6 U	0.82 U
Methylene chloride	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	3.5 U	3.5 U	2.1 J	1.7 U
Methylnaphthalene, 1-	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	2.3 U	5.8 U	5.8 U	1.2 UJ
Methylnaphthalene, 2-	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	2.3 U	5.8 U	5.8 U	1.2 UJ
Methylthiophene, 2-	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	0.80 U
Methylthiophene, 3-	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	0.80 U
Naphthalene	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	2.1 U	2.1 U	2.1 U	1.0 U
Nonane	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	2.1 U	2.1 U	2.1 U	1.0 U
Octane, n-	1.9 U	1.9 U	4.3	4.4	16	14	0.31 J	0.33 J	0.93 U	2.3 U	1.9 U	1.9 U	1.9 U	0.93 U
Pentane	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	0.88 J	1.9	1.2 U	0.59 U
Propanol, 2-	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	2.4 U	2.5 U	2.5 U	0.53 J
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	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	1.7 U	1.0 J	0.53 J	0.85 U
t-Butyl alcohol	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	1.2 U	1.2 U	0.71 J	0.38 J
Tetrachloroethane, 1,1,2,2-	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	1.4 U
Tetrachloroethene	2.7 U	4.9	3.9	1.8	1.0 J	1.0 J	0.40 J	10	22	19	3.9	9.6	13	1.2 J
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	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	2.2 U	0.99 J	2.2 U	1.1 U
Thiophene	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	0.69 U
Trans-1,2-dichloroethene	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 UJ	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	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	3.1 U	3.1 U	3.1 U	0.80 J
Trichlorobenzene, 1,2,4-	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	1.5 U
Trichloroethane, 1,1,1-	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	1.1 U
Trichloroethane, 1,1,2-	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	1.1 U
Trichloroethene	2.2 U	2.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.3	2.7 U	2.2 U	2.2 U	2.2 U	1.1 U
Trichlorofluoromethane	1.4 J	2.7	1.9	1.6	1.6	1.6	1.5	1.2	2.0	1.4 J	1.0 J	1.5 J	1.6 J	1.7
Trimethylbenzene, 1,2,3-	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	2.0 UJ	0.79 J	2.0 U	0.98 U
Trimethylbenzene, 1,2,4-	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	2.0 U	2.0 U	2.0 U	0.98 U
Trimethylbenzene, 1,3,5-	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	2.0 U	2.0 U	2.0 U	0.98 U
Trimethylpentane, 2,2,4-	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	1.9 U	1.9 U	1.9 U	0.93 UJ
Undecane, n-	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	2.6 U	2.6 U	2.6 U	1.3 U
Vinyl bromide	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	0.87 U
Vinyl chloride	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	0.51 U
Other (%)														
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.46	NA
Helium	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	0.0158 U	0.0169 U	0.052	NA

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	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	OU2SG-19 3/19/2009	OU2SG-19A 3/31/2009	Duplicate of OU2SG-19A 3/31/2009	OU2SG-19P 3/31/2009
BTEX (ug/m3)														
Benzene	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	0.24 J	0.19 J	0.64 U	0.64 U
Toluene	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	1.2	0.49 J	0.27 J	0.27 J
Ethylbenzene	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	0.38 J	0.87 U	0.87 U	0.87 U
Xylene, m,p-	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	1.1 J	0.87 J	0.30 J	0.28 J
Xylene, o-	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	0.40 J	0.31 J	0.87 U	0.87 U
Other VOCs (ug/m3)														
Acetaldehyde	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	3.8 U	4.6 J	5.0 J	2.5 U
Acetone	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	3.8 U	3.4 J	2.5 J	1.8 U
Acrolein (propenal)	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	0.19 J	0.46 U	0.46 U	0.46 U
Allyl chloride	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	1.6 U	1.2 U	1.2 U	1.2 U	0.63 U	0.63 U	0.63 U	0.63 U
Benzothiophene	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	1.1 U	2.7 U	2.7 U	2.7 U
Bromodichloromethane	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	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	5.2 U	4.1 U	4.1 U	4.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	1.9 U	1.6 U	1.6 U	1.6 U	0.78 U	0.78 U	0.78 U	0.78 U
Butadiene, 1,3-	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	1.1 U	0.88 U	0.88 U	0.88 U	0.44 U	0.44 UJ	0.44 UJ	0.44 UJ
Butane	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	1.9	1.3	1.2	1.4
Butanone, 2-	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	0.64	0.64	0.59 U	0.59 U
Carbon disulfide	0.62 U	0.62 U	0.23 J	0.62 U	0.18 J	22	26	6.7	11	22	0.72	2.8	3.2	2.4
Carbon tetrachloride	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	1.3 U	1.3 U	1.3 U	1.3 U
Chlorobenzene	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	2.3 U	1.8 U	1.8 U	1.8 U	0.92 U	0.92 U	0.92 U	0.92 U
Chloroethane	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	1.3 U	1.0 U	1.0 U	1.0 U	0.53 U	0.53 U	0.53 U	0.53 U
Chloroform	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	3.3	3.5	4.0	3.4
Chloromethane	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	0.15 J	0.21 J	0.41 U	0.41 U
Chlorotoluene, 2-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.6 U	2.1 U	2.1 U	2.1 U	1.0 U	1.0 U	1.0 U	1.0 U
Cryofluorane	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	3.5 U	2.8 U	2.8 U	2.8 U	1.4 U	1.4 U	1.4 U	1.4 U
Cyclohexane	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	4.3	2.6	1.3 J	2.3	1.0 J	0.69 U	0.69 U	0.69 U	0.69 U
Decane, n-	10	61	0.70 J	0.77 J	1.2	0.41 J	2.9 U	2.3 U	2.3 U	30	1.4	0.30 J	1.2 U	1.2 U
Dibromochloromethane	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	4.3 U	3.4 U	3.4 U	3.4 U	1.7 U	1.7 U	1.7 U	1.7 U
Dibromoethane, 1,2-	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.8 U	3.1 U	3.1 U	3.1 U	1.5 U	1.5 U	1.5 U	1.5 U
Dichlorobenzene, 1,2-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.41 J	3.0 U	2.4 U	2.4 U	2.4 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,3-	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	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,4-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	2.9	2.0 J	2.4 U	1.1 J	3.7	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorodifluoromethane	2.5	3.0	2.5	2.4	2.1	1.4	2.5	2.4	3.1	2.6	2.0	2.7	2.5	2.6
Dichloroethane, 1,1-	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	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethane, 1,2-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	2.0 U	1.6 U	1.6 U	1.6 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethene, 1,1-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	2.0 U	1.6 U	1.6 U	1.6 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloroethene, cis-1,2-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	2.0 U	1.6 U	1.6 U	1.6 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloropropane, 1,2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	2.3 U	1.8 U	1.8 U	1.8 U	0.92 U	0.92 U	0.92 U	0.92 U
Dichloropropene, cis-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	2.3 U	1.8 U	1.8 U	1.8 U	0.91 U	0.91 U	0.91 U	0.91 U
Dichloropropene, trans-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	2.3 U	1.8 U	1.8 U	1.8 U	0.91 U	0.91 U	0.91 U	0.91 U
Dioxane, 1,4-	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 UJ	1.8 U	1.4 U	1.4 U	1.4 U	0.72 U	0.72 U	0.72 U	0.72 U
Dodecane, n-	37 J	20	1.4 J	0.79 J	2.4 J	3.1	3.5 U	2.8 UJ	2.8 U	120	4.0 J	2.6 J	0.81 J	0.44 J
Ethanol	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	8.0	2.5 J	1.2 J	3.2 J
Ethylthiophene, 2-	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	0.92 U	0.92 U	0.92 U	0.92 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	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	OU2SG-19 3/19/2009	OU2SG-19A 3/31/2009	Duplicate of OU2SG-19A 3/31/2009	OU2SG-19P 3/31/2009
Ethyltoluene, p-	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	0.98 U	0.98 U	0.98 U	0.98 U
Heptane, n-	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	0.82 U	0.85	0.67 J	1.8
Hexachlorobutadiene	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	2.1 U	2.1 U	2.1 U	2.1 U
Hexane, n-	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	0.51 J	0.19 J	0.70 U	0.70 U
Hexanone, 2-	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	0.82 U	2.0 U	2.0 U	2.0 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	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	0.97 U	0.43 J	0.97 U	0.97 U
Indene	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	2.4 U	1.9 UJ	1.9 U	1.9 UJ	0.95 U	0.95 U	0.95 U	0.95 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	0.72 UJ	0.72 U	0.72 J	0.72 U	0.72 U	0.72 U	1.8 U	1.4 U	1.4 U	1.4 UJ	0.72 U	0.72 U	0.72 U	0.72 U
Methyl-2-pentanone, 4-	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	0.82 U	0.82 U	0.82 U	0.82 U
Methylene chloride	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	1.7 U	1.7 U	1.7 U	1.7 U
Methylnaphthalene, 1-	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	1.2 U	3.5 J	2.9 UJ	2.9 UJ
Methylnaphthalene, 2-	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	1.2 U	6.9 J	2.9 UJ	2.9 UJ
Methylthiophene, 2-	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	2.0 U	1.6 U	1.6 U	1.6 U	0.80 U	0.80 U	0.80 U	0.80 U
Methylthiophene, 3-	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	2.0 U	1.6 U	1.6 U	1.6 U	0.80 U	0.80 U	0.80 U	0.80 U
Naphthalene	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	1.0 U	2.9 J	1.0 UJ	1.0 U
Nonane	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	1.0 U	1.0 U	1.0 U	1.0 U
Octane, n-	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	0.25 J	0.93 U	0.93 U	0.93 U
Pentane	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	1.3	0.76	0.65	0.74
Propanol, 2-	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	1.2 U	1.2 U	1.2 U	1.2 U
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	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	0.85 U	0.85 U	0.85 U	0.85 U
t-Butyl alcohol	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	0.22 J	0.19 J	0.19 J	0.61 U
Tetrachloroethane, 1,1,2,2-	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	3.4 U	2.7 U	2.7 U	2.7 U	1.4 U	1.4 U	1.4 U	1.4 U
Tetrachloroethene	1.4	1.2 J	1.4 U	1.4 U	1.4 U	22	17	4.2	10	14	1.4 U	0.55 J	0.56 J	0.40 J
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	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	1.1 U	1.2 J	2.7 U	2.7 U
Thiophene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	1.7 U	1.4 U	1.4 U	1.4 U	0.69 U	0.69 U	0.69 U	0.69 U
Trans-1,2-dichloroethene	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	2.0 U	1.6 U	1.6 U	1.6 UJ	0.79 U	0.79 U	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	0.61 J	0.61 J	0.80 J	0.59 J	0.50 J	0.77 J	3.8 U	3.1 U	0.77 J	3.1 U	0.48 J	0.41 J	0.43 J	0.51 J
Trichlorobenzene, 1,2,4-	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	1.5 U	1.5 U	1.5 U	1.5 U
Trichloroethane, 1,1,1-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.7 U	2.2 U	2.2 U	2.2 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethane, 1,1,2-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.7 U	2.2 U	2.2 U	2.2 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethene	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	0.60 J	2.7 U	2.2 U	2.2 U	2.2 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichlorofluoromethane	1.6	1.5	1.5	1.7	1.9	1.6	1.4 J	1.1 J	1.8 J	1.4 J	1.1 J	1.4	1.5	1.4
Trimethylbenzene, 1,2,3-	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	0.38 J	0.44 J	0.98 U	0.98 U
Trimethylbenzene, 1,2,4-	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	0.98 U	0.75 J	0.98 U	0.98 U
Trimethylbenzene, 1,3,5-	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	0.98 U	0.98 U	0.98 U	0.98 U
Trimethylpentane, 2,2,4-	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	0.93 U	0.93 U	0.93 U	0.93 U
Undecane, n-	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	4.2	0.68 J	1.3 U	1.3 U
Vinyl bromide	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	2.2 U	1.8 U	1.8 U	1.8 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl chloride	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	1.3 U	1.0 U	1.0 U	1.0 U	0.51 U	0.51 U	0.51 U	0.51 U
Other (%)														
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.3	NA	0.142 U	0.246	0.232
Helium	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	0.035	0.0142 U	0.0192 U	0.0196 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG-19A 4/1/2009	OU2SG-19P 4/1/2009	Duplicate of OU2SG-19P 4/1/2009	OU2SG-19 4/2/2009	OU2SG-19 4/3/2009	OU2SG-19 4/4/2009	OU2SG-19 4/5/2009	Duplicate of OU2SG-19 4/5/2009	OU2SG-19 4/6/2009	OU2SG-19 4/10/2009	OU2SG-19 4/17/2009	OU2SG-19 4/24/2009	Duplicate of OU2SG-19 4/24/2009	OU2SG-19 5/13/2009
BTEX (ug/m3)														
Benzene	0.64 U	0.19 J	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U
Toluene	0.28 J	0.65 J	0.33 J	0.34 J	0.44 J	0.34 J	0.45 J	0.45 J	0.29 J	0.41 J	0.38 J	0.21 J	0.21 J	0.94
Ethylbenzene	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Xylene, m,p-	1.7 U	0.71 J	1.7 U	1.7 U	0.43 J	1.7 U	1.7 U	1.7 U	0.51 J	0.69 J	0.63 J	1.7 U	1.7 U	0.52 J
Xylene, o-	0.87 U	0.22 J	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Other VOCs (ug/m3)														
Acetaldehyde	1.8 UJ	6.8 U	3.6 U	4.4 U	3.6 U	3.6 U	5.4 J	4.9 J	3.6 J	3.6 U	4.5 U	5.8 U	6.0 J	4.5 UJ
Acetone	1.8 UJ	4.4 U	2.7 U	2.2 U	2.1 U	1.8 U	2.1 J	2.4 J	1.6 J	1.9 U	1.8 UJ	2.7 J	2.3 J	2.9 U
Acrolein (propenal)	0.46 U	0.53	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	1.2 U
Allyl chloride	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
Benzothiophene	2.7 U	14 Uj	14 UJ	14 UJ	14 UJ	14 UJ	14 UJ	14 UJ	14 UJ	14 UJ	14 UJ	14 UJ	14 UJ	1.1 U
Bromodichloromethane	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
Butadiene, 1,3-	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	1.3	1.2	1.1	1.2	1.2	1.2	1.1	1.0	1.0	1.2	2.1	0.83	0.75	0.76
Butanone, 2-	0.59 U	0.86	0.59 J	0.51 J	0.60	0.43 J	0.35 J	0.47 J	0.42 J	0.32 J	0.39 J	0.46 J	0.59 U	0.50 J
Carbon disulfide	2.6	1.6	1.4	2.4	2.5	2.0	1.7 B	1.7 U	3.2	3.7	5.4	2.4	2.1	4.0
Carbon tetrachloride	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Chlorobenzene	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Chloroethane	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U
Chloroform	3.1	2.9	3.3	3.2	3.1	3.5	3.8	3.5	3.4	3.6	3.0	3.3	3.4	5.3
Chloromethane	0.41 U	0.68 J	0.13 J	0.18 J	0.41 U	0.13 J	0.14 J	0.14 J	0.14 J	0.14 J	0.41 U	0.41 U	0.41 U	0.41 U
Chlorotoluene, 2-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cryofluorane	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Cyclohexane	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.24 J	0.69 U	0.69 U	0.69 U
Decane, n-	1.2 U	1.2 U	1.2 U	1.2 U	0.39 J	1.2 U	1.2 U	0.41 J	1.2 U	1.2 U	0.42 J	1.2 U	1.2 U	1.2 U
Dibromochloromethane	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dibromoethane, 1,2-	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Dichlorobenzene, 1,2-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,3-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,4-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorodifluoromethane	2.4	2.5	2.6	2.5	2.6	3.0	3.0	2.8	2.8	3.1	2.9	2.6	2.9	2.1
Dichloroethane, 1,1-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethane, 1,2-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethene, 1,1-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloroethene, cis-1,2-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloropropane, 1,2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Dichloropropene, cis-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dichloropropene, trans-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dioxane, 1,4-	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 UJ
Dodecane, n-	0.38 J	0.41 J	0.60 J	1.8	0.40 J	0.62 J	1.2 J	1.2 J	0.42 J	0.56 J	1.2 J	0.44 J	0.41 J	0.42 J
Ethanol	1.2 J	3.2	1.4 J	1.5 J	1.1 J	1.2 J	0.83 J	1.4 J	0.58 J	1.1 J	1.3 J	0.68 J	0.68 J	1.9 U
Ethylthiophene, 2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG-19A 4/1/2009	OU2SG-19P 4/1/2009	Duplicate of OU2SG-19P 4/1/2009	OU2SG-19 4/2/2009	OU2SG-19 4/3/2009	OU2SG-19 4/4/2009	OU2SG-19 4/5/2009	Duplicate of OU2SG-19 4/5/2009	OU2SG-19 4/6/2009	OU2SG-19 4/10/2009	OU2SG-19 4/17/2009	OU2SG-19 4/24/2009	Duplicate of OU2SG-19 4/24/2009	OU2SG-19 5/13/2009
Ethyltoluene, p-	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Heptane, n-	4.4	1.1	0.94	0.51 J	1.2	0.51 J	1.0	1.0	0.82 U	0.57 J	0.54 J	0.82 U	0.82 U	0.82 U
Hexachlorobutadiene	2.1 U	2.1 U	2.1 U	0.59 J	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Hexane, n-	0.70 U	0.70 U	0.70 U	0.26 J	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	1.2	0.70 U	0.70 U	0.70 U
Hexanone, 2-	2.0 U	0.82 U	0.82 U	0.59 J	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U
Indene	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Methyl-2-pentanone, 4-	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Methylene chloride	2.6 U	3.4 U	1.7 U	2.3 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	2.3 U	2.4 U	1.7 J
Methylnaphthalene, 1-	2.9 UJ	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	14 U	14 UJ	14 UJ	1.2 U
Methylnaphthalene, 2-	2.9 UJ	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	14 U	14 UJ	14 UJ	1.2 U
Methylthiophene, 2-	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Methylthiophene, 3-	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Naphthalene	1.0 U	1.0 U	1.0 U	0.29 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.30 J	1.0 U	1.0 U	1.0 U
Nonane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.31 J	1.0 U	1.0 U	1.0 U
Octane, n-	0.93 U	0.25 J	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.28 J	0.93 U	0.93 U	0.93 U
Pentane	0.71	1.1	0.58 J	0.64	0.65	0.68	0.62	0.62	0.56 J	0.65	1.5	0.41 J	0.35 J	0.68
Propanol, 2-	1.1 J	1.2 J	0.52 J	0.50	0.52 U	0.49 U	0.49 U	0.86	0.49 U	0.49 U	0.43 J	0.95 U	0.63 U	1.2 U
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U
t-Butyl alcohol	0.61 U	0.19 J	0.18 J	0.61 U	0.61 U	0.61 U	0.15 J	0.39 J	0.61 U	0.61 U	0.15 J	0.61 U	0.61 U	0.61 U
Tetrachloroethane, 1,1,2,2-	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Tetrachloroethene	1.4 U	0.54 J	0.44 J	0.50 J	0.45 J	0.59 J	0.61 J	0.61 J	0.60 J	0.68 J	0.64 J	0.61 J	0.64 J	1.3 J
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	2.7 U	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	1.1 U
Thiophene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Trans-1,2-dichloroethene	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	1.5 U	0.51 J	0.52 J	0.51 J	0.54 J	0.58 J	0.61 J	0.54 J	0.57 J	0.61 J	0.62 J	0.56 J	0.54 J	0.77 J
Trichlorobenzene, 1,2,4-	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Trichloroethane, 1,1,1-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethane, 1,1,2-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethene	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichlorofluoromethane	1.2	1.3	1.4	1.3	1.3	1.6	1.6	1.7	1.7	2.2	1.6	1.6	1.6	2.7
Trimethylbenzene, 1,2,3-	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Trimethylbenzene, 1,2,4-	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Trimethylbenzene, 1,3,5-	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Trimethylpentane, 2,2,4-	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 UJ	0.93 U	0.93 U	0.93 U
Undecane, n-	1.3 U	0.40 J	1.3 U	0.56 J	1.3 U	1.3 U	0.45 J	0.51 J	1.3 U	1.3 U	0.50 J	1.3 U	1.3 U	1.3 U
Vinyl bromide	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl chloride	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Other (%)														
Carbon Dioxide	5.85	5.57	1.84	1.76	1.92	1.77	1.95	1.96	2.06	2.15	2.08	2.43	2.23	3.94
Helium	0.018	0.0173	0.0149	0.025	0.0167	0.0209	0.0178	0.0198	0.0173	0.016	0.0176	0.0188	0.0147	0.0193 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	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	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
BTEX (ug/m3)														
Benzene	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	0.64 U	0.38 J	0.38 J	1.3 U	1.3 U
Toluene	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	0.41 J	1.5 U	1.5 U	1.5 U	1.5 U
Ethylbenzene	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	0.87 U	1.7 U	1.7 U	1.7 U	1.7 U
Xylene, m,p-	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	1.7 U	3.5 U	3.5 U	3.5 U	3.5 U
Xylene, o-	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	0.87 U	1.7 U	1.7 U	1.7 U	1.7 U
Other VOCs (ug/m3)														
Acetaldehyde	8.0	22 UJ	10 J	7.1	9.1 U	8.6 U	9.0 UJ	9.0 UJ	9.0 UJ	4.5 UJ	9.0 UJ	9.0 UJ	9.0 UJ	9.0 UJ
Acetone	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	2.4 UJ	4.8 UJ	4.8 UJ	3.6 UJ	3.7 J
Acrolein (propenal)	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	1.2 U	2.3 U	2.3 U	2.3 UJ	2.3 U
Allyl chloride	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	0.63 U	1.2 U	1.2 U	1.2 U	1.2 U
Benzothiophene	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	1.1 UJ	2.2 U	2.2 U	2.2 UJ	2.2 U
Bromodichloromethane	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	1.3 U	2.7 U	2.7 U	2.7 U	2.7 U
Bromoform	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	2.1 U	4.1 U	4.1 U	4.1 U	4.1 U
Bromomethane	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	0.78 U	1.6 U	1.6 U	1.6 U	1.6 U
Butadiene, 1,3-	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	0.44 U	0.88 U	0.88 U	0.88 U	0.88 U
Butane	0.54	2.4 U	0.36 J	0.55	1.2 U	1.2 U	1.1	0.86 J	280	650	30	31	3.2	0.95 UJ
Butanone, 2-	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	0.59 U	1.2 U	1.2 U	1.2 UJ	1.8
Carbon disulfide	1.9	4.5 J	2.6 J	1.8	1.6 U	0.78 J	0.50 J	1.4	0.37 J	0.19 J	1.2 U	1.2 U	1.2 U	0.56 J
Carbon tetrachloride	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	1.3 U	2.5 U	2.5 U	2.5 U	2.5 U
Chlorobenzene	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	0.92 U	1.8 U	1.8 U	1.8 U	1.8 U
Chloroethane	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	0.53 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	8.3	16	13	18	10	6.3	3.8	3.4	2.0	1.3	6.0	6.2	6.0	14
Chloromethane	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	0.41 U	0.83 U	0.83 U	0.83 U	0.83 U
Chlorotoluene, 2-	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	1.0 U	2.1 U	2.1 U	2.1 U	2.1 U
Cryofluorane	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	1.4 U	2.8 U	2.8 U	2.8 U	2.8 U
Cyclohexane	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	0.79	1.4 U	1.4 U	1.4 U	1.4 UJ
Decane, n-	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	1.2 U	2.3 U	2.3 U	2.3 U	2.3 U
Dibromochloromethane	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	1.7 U	3.4 U	3.4 U	3.4 U	3.4 U
Dibromoethane, 1,2-	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	1.5 U	3.1 U	3.1 U	3.1 U	3.1 U
Dichlorobenzene, 1,2-	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	1.2 U	2.4 U	2.4 U	2.4 U	2.4 U
Dichlorobenzene, 1,3-	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	1.2 U	2.4 U	2.4 U	2.4 U	2.4 U
Dichlorobenzene, 1,4-	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	1.2 U	2.4 U	2.4 U	2.4 U	2.4 U
Dichlorodifluoromethane	1.9	6.6	4.8	7.1	6.7	6.8	3.3	3.1	3.1	2.2	2.8	2.9	2.5	2.8
Dichloroethane, 1,1-	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	0.81 U	1.6 U	1.6 U	1.6 U	1.6 U
Dichloroethane, 1,2-	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	0.81 U	1.6 U	1.6 U	1.6 U	1.6 U
Dichloroethene, 1,1-	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	0.79 U	1.6 U	1.6 U	1.6 U	1.6 U
Dichloroethene, cis-1,2-	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	0.79 U	1.6 U	1.6 U	1.6 U	1.6 U
Dichloropropane, 1,2-	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	0.92 U	1.8 U	1.8 U	1.8 U	1.8 U
Dichloropropene, cis-1,3	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	0.91 U	1.8 U	1.8 U	1.8 U	1.8 U
Dichloropropene, trans-1,3	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	0.91 U	1.8 U	1.8 U	1.8 U	1.8 U
Dioxane, 1,4-	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	0.72 U	1.4 U	1.4 U	1.4 U	1.4 U
Dodecane, n-	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	1.4 UJ	2.8 U	2.8 U	0.97 J	2.8 U
Ethanol	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	0.64 J	1.5 J	1.1 J	3.8 U	0.98 J
Ethylthiophene, 2-	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	0.92 U	1.8 U	1.8 U	1.8 U	1.8 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	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	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
Ethyltoluene, p-	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	0.98 U	2.0 U	2.0 U	2.0 U	2.0 U
Heptane, n-	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	0.82 U	1.6 U	1.6 U	1.6 U	1.6 U
Hexachlorobutadiene	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	2.1 U	4.3 U	4.3 U	4.3 U	4.3 U
Hexane, n-	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	0.70 U	1.4 U	1.4 U	1.4 U	1.4 UJ
Hexanone, 2-	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	0.82 U	1.6 U	1.6 U	1.6 U	1.6 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	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	0.97 U	1.9 U	1.9 U	1.9 U	1.9 U
Indene	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	0.95 U	1.9 U	1.9 U	1.9 U	1.9 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	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	0.72 U	1.4 U	1.4 U	1.4 UJ	1.4 U
Methyl-2-pentanone, 4-	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	0.82 U	1.6 U	1.6 U	1.6 U	1.6 UJ
Methylene chloride	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	1.7 U	0.90 J	3.5 U	3.5 U	3.5 U
Methylnaphthalene, 1-	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	1.2 U	2.3 U	2.3 U	2.3 U	2.9 J
Methylnaphthalene, 2-	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	1.2 U	2.3 U	2.3 U	2.3 UJ	9.0 J
Methylthiophene, 2-	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	0.80 U	1.6 U	1.6 U	1.6 U	1.6 U
Methylthiophene, 3-	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	0.80 U	1.6 U	1.6 U	1.6 U	1.6 U
Naphthalene	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	1.0 U	2.1 U	2.1 U	2.1 U	2.1 U
Nonane	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	1.0 U	2.1 U	2.1 U	2.1 U	2.1 U
Octane, n-	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	0.93 U	1.9 U	1.9 U	1.9 U	1.9 U
Pentane	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	35	3.6	3.7	1.2 U	1.2 U
Propanol, 2-	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	1.2 U	2.5 U	2.5 U	2.5 U	2.5 U
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	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	0.85 U	1.7 U	1.7 U	1.7 U	1.7 U
t-Butyl alcohol	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	0.61 U	1.2 U	1.2 U	1.2 U	1.2 U
Tetrachloroethane, 1,1,2,2-	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	1.4 U	2.7 U	2.7 U	2.7 U	2.7 U
Tetrachloroethene	2.3	3.8 J	6.0	3.3	2.4 J	1.7 J	1.6 J	1.2 J	2.7 U	1.4 U	2.7 U	2.7 U	2.7 U	2.7 U
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	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	1.1 U	2.2 U	2.2 U	2.2 UJ	2.2 U
Thiophene	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	0.69 U	1.4 U	1.4 U	1.4 U	1.4 U
Trans-1,2-dichloroethene	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	0.79 U	1.6 U	1.6 U	1.6 U	1.6 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	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	1.5 U	3.1 U	3.1 U	3.1 U	3.1 U
Trichlorobenzene, 1,2,4-	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	1.5 U	3.0 U	3.0 U	3.0 U	3.0 U
Trichloroethane, 1,1,1-	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	1.1 U	2.2 U	2.2 U	2.2 U	2.2 U
Trichloroethane, 1,1,2-	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	1.1 U	2.2 U	2.2 U	2.2 U	2.2 U
Trichloroethene	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	1.1 U	2.2 U	2.2 U	2.2 U	2.2 U
Trichlorofluoromethane	2.4	5.4 J	4.8	3.9	3.8	3.5	2.0 J	2.1 J	1.4 J	1.1	1.7 J	1.5 J	1.4 J	1.7 J
Trimethylbenzene, 1,2,3-	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	0.98 U	2.0 U	2.0 U	2.0 U	2.0 U
Trimethylbenzene, 1,2,4-	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	0.98 U	2.0 U	2.0 U	2.0 U	2.0 U
Trimethylbenzene, 1,3,5-	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	0.98 U	2.0 U	2.0 U	2.0 U	2.0 U
Trimethylpentane, 2,2,4-	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	0.93 U	1.9 U	1.9 U	1.9 U	1.9 U
Undecane, n-	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	1.3 UJ	2.6 U	2.6 U	2.6 U	2.6 U
Vinyl bromide	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	0.87 U	1.8 U	1.8 U	1.8 U	1.8 U
Vinyl chloride	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	0.51 U	1.0 U	1.0 U	1.0 U	1.0 U
Other (%)														
Carbon Dioxide	5.62	8.24	8.3	9.06	6.7	7.33	7.21	7.18	4.26	4.01	5.79	5.78	6.43	5.55
Helium	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	0.018 U	0.0193 U	0.017 U	0.0163 U	0.0168 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	Duplicate of: OU2SG-19 4/19/2010	OU2SG-19 6/9/2010	OU2SG-20 3/18/2009	OU2SG-20A 3/31/2009	OU2SG-20P 3/31/2009	OU2SG-20A 4/1/2009	OU2SG-20P 4/1/2009	OU2SG-20 4/2/2009	OU2SG-20 4/3/2009	OU2SG-20 4/4/2009	OU2SG-20 4/5/2009	OU2SG-20 4/6/2009	OU2SG-20 4/10/2009	OU2SG-20 4/17/2009
BTEX (ug/m3)														
Benzene	1.3 U	1.3 U	8.9	3.9	1.7	2.8 J	0.77	1.4	0.84	2.9	2.6	1.1	1.3	0.56 J
Toluene	0.45 J	1.5 U	3.3	0.47 J	0.54 J	0.43 J	0.36 J	0.52 J	0.57 J	0.57 J	0.64 J	0.45 J	0.49 J	0.75 J
Ethylbenzene	1.7 U	1.7 U	4.0	0.74 J	0.49 J	0.48 J	0.38 J	0.49 J	0.44 J	0.66 J	0.61 J	0.48 J	0.43 J	0.28 J
Xylene, m,p-	3.5 U	3.5 U	2.9	0.37 J	3.5 U	1.7 U	1.7 U	1.7 U	0.49 J	1.7 U	1.7 U	0.69 J	0.69 J	1.1 J
Xylene, o-	1.7 U	1.7 U	2.3	1.5	0.97 J	0.89 J	0.69 J	0.84 J	0.83 J	1.1	1.1	0.82 J	0.56 J	0.45 J
Other VOCs (ug/m3)														
Acetaldehyde	9.0 UJ	7.5 J	1.8 UJ	1.8 UJ	3.6 UJ	1.8 UJ	3.6 UJ	3.6 UJ	3.6 UJ	3.6 UJ	3.6 UJ	3.6 UJ	3.6 UJ	4.5 UJ
Acetone	4.8 U	2.9 J	1.8 UJ	1.8 UJ	3.6 UJ	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ	3.7 J
Acrolein (propenal)	2.3 U	2.3 U	0.46 U	0.46 U	0.92 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U
Allyl chloride	1.2 U	1.2 U	0.63 U	0.63 U	1.2 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
Benzothiophene	2.2 U	2.2 U	1.1 U	2.7 U	5.5 U	2.7 U	14 UJ	14 UJ	14 UJ	14 UJ	14 UJ	14 UJ	14 UJ	14 UJ
Bromodichloromethane	2.7 U	2.7 U	1.3 U	1.3 U	2.7 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	4.1 U	4.1 U	2.1 U	2.1 U	4.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	1.6 U	1.6 U	0.78 U	0.78 U	1.6 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
Butadiene, 1,3-	0.88 U	0.88 U	0.24 J	0.44 UJ	0.88 UJ	0.44 UJ	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Butane	2.2 J	0.95 U	50	20	18	15 J	9.7	10	7.7	11	11	7.0	4.7	2.8
Butanone, 2-	1.2 U	0.65 J	3.7	0.59 U	1.2 U	0.59 U	0.48 J	0.55 J	0.28 J	0.95	0.50 J	0.38 J	0.32 J	0.52 J
Carbon disulfide	0.56 J	1.6	9.0	1.1 U	1.2 U	1.1 U	0.73 U	1.2	0.92 U	1.9	2.4	0.72 U	1.5 U	2.7
Carbon tetrachloride	2.5 U	2.5 U	1.3 U	1.3 U	2.5 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Chlorobenzene	1.8 U	1.8 U	0.92 U	0.92 U	1.8 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Chloroethane	1.0 U	1.0 U	0.53 U	0.53 U	1.0 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U
Chloroform	14	7.4	49	46	60	42 J	46	50	50	43	40	42	25	15
Chloromethane	0.83 U	0.83 U	0.50	0.28 J	0.41 J	0.32 J	0.26 J	0.33 J	0.34 J	0.29 J	0.27 J	0.25 J	0.23 J	0.21 J
Chlorotoluene, 2-	2.1 U	2.1 U	1.0 U	1.0 U	2.1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cryofluorane	2.8 U	2.8 U	1.4 U	1.4 U	2.8 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Cyclohexane	1.4 UJ	1.4 U	5.3	0.72	1.4 U	0.48 J	0.21 J	0.25 J	0.32 J	0.59 J	0.58 J	0.58 J	0.34 J	0.31 J
Decane, n-	2.3 U	2.3 U	31	1.2 U	2.3 U	1.2 U	1.2 U	1.2 U	2.0	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dibromochloromethane	3.4 U	3.4 U	1.7 U	1.7 U	3.4 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dibromoethane, 1,2-	3.1 U	3.1 U	1.5 U	1.5 U	3.1 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Dichlorobenzene, 1,2-	2.4 U	2.4 U	1.2 U	1.2 U	2.4 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,3-	2.4 U	2.4 U	1.2 U	1.2 U	2.4 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,4-	2.4 U	2.4 U	1.2 U	1.2 U	2.4 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorodifluoromethane	2.8	5.5	3.1	5.0	5.3	4.2 J	4.4	4.7	5.3	5.7	5.1	4.7	5.3	4.4
Dichloroethane, 1,1-	1.6 U	1.6 U	0.81 U	0.81 U	1.6 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethane, 1,2-	1.6 U	1.6 U	0.81 U	0.81 U	1.6 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethene, 1,1-	1.6 U	1.6 U	0.79 U	0.79 U	1.6 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloroethene, cis-1,2-	1.6 U	1.6 U	1.4	1.4	0.56 J	1.0 J	0.29 J	0.56 J	0.45 J	1.3	1.5	0.67 J	1.2	1.1
Dichloropropane, 1,2-	1.8 U	1.8 U	0.92 U	0.92 U	1.8 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Dichloropropene, cis-1,3	1.8 U	1.8 U	0.91 U	0.91 U	1.8 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dichloropropene, trans-1,3	1.8 U	1.8 U	0.91 U	0.91 U	1.8 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dioxane, 1,4-	1.4 U	1.4 U	0.72 U	0.72 U	1.4 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Dodecane, n-	2.0 J	2.8 U	6.8 J	3.5 UJ	1.1 J	3.5 UJ	1.4 UJ	1.4 UJ	1.4 UJ	1.4 UJ	1.4 UJ	1.4 UJ	1.4 UJ	1.9 J
Ethanol	3.8 U	3.4 J	4.8	1.7 J	3.6 J	0.81 J	0.71 J	1.2 J	1.0 J	7.5	0.62 J	1.7 J	0.56 J	0.78 J
Ethylthiophene, 2-	1.8 U	1.8 U	0.92 U	0.92 U	1.8 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	Duplicate of: OU2SG-19 4/19/2010	OU2SG-19 6/9/2010	OU2SG-20 3/18/2009	OU2SG-20A 3/31/2009	OU2SG-20P 3/31/2009	OU2SG-20A 4/1/2009	OU2SG-20P 4/1/2009	OU2SG-20 4/2/2009	OU2SG-20 4/3/2009	OU2SG-20 4/4/2009	OU2SG-20 4/5/2009	OU2SG-20 4/6/2009	OU2SG-20 4/10/2009	OU2SG-20 4/17/2009
Ethyltoluene, p-	2.0 U	2.0 U	0.98 U	0.98 U	2.0 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Heptane, n-	0.98 J	1.6 U	7.9 J	0.97	0.57 J	0.44 J	0.37 J	0.82 U	2.6	0.90	1.3	0.45 J	0.20 J	0.32 J
Hexachlorobutadiene	4.3 U	4.3 U	2.1 U	2.1 U	4.3 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Hexane, n-	1.1 J	1.4 U	11	1.5	1.5	1.3 J	0.74	0.68 J	0.81	0.92	0.74	0.67 J	0.70 U	0.70 U
Hexanone, 2-	1.6 U	1.6 U	0.82 U	2.0 U	4.1 U	2.0 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	1.9 U	1.9 U	4.0	3.4	2.6	2.2 J	2.0	2.4	2.5	3.4	3.2	2.4	0.92 J	0.97 U
Indene	1.9 U	1.9 UJ	0.95 U	0.95 U	1.9 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	1.4 U	1.4 U	0.72 U	0.72 U	1.4 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Methyl-2-pentanone, 4-	1.6 UJ	1.6 U	0.82 U	0.82 U	1.6 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Methylene chloride	0.90 J	3.5	1.8 U	1.7 U	3.5 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Methylnaphthalene, 1-	5.8 U	5.8 U	1.2 U	2.9 UJ	5.8 UJ	2.9 UJ	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	14 U
Methylnaphthalene, 2-	5.8 UJ	5.8 U	1.2 U	2.9 UJ	5.8 UJ	2.9 UJ	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	14 U
Methylthiophene, 2-	1.6 U	1.6 U	0.80 U	0.80 U	1.6 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Methylthiophene, 3-	1.6 U	1.6 U	0.80 U	0.80 U	1.6 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Naphthalene	2.1 U	2.1 U	1.0 UJ	1.0 U	2.1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ
Nonane	0.63 J	2.1 U	11	1.0 U	2.1 U	1.0 U	1.0 U	1.0 U	0.79 J	1.0 U	1.0 U	1.0 U	1.0 U	0.31 J
Octane, n-	0.93 J	1.9 U	31	0.74 J	0.56 J	0.32 J	0.43 J	0.35 J	0.57 J	0.93 U	0.93 U	0.28 J	0.93 U	0.93 U
Pentane	2.0	1.2 U	42	8.4	7.6	5.8 J	3.7	3.8	2.7	4.6	4.6	2.8	1.9	1.1
Propanol, 2-	2.5 U	2.5 U	1.2 UJ	1.2 U	2.5 U	1.2 U	0.49 U	0.49 UJ	0.49 U	0.49 U	0.49 UJ	0.49 U	0.49 UJ	0.49 U
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	1.7 U	1.7 U	0.98	0.85 U	1.7 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U
t-Butyl alcohol	1.2 U	1.2 U	0.53 J	0.61 U	1.2 U	0.15 J	0.22 J	0.20 J	0.21 J	0.22 J	0.27 J	0.21 J	0.15 J	0.61 U
Tetrachloroethane, 1,1,2,2-	2.7 U	2.7 U	1.4 U	1.4 U	2.7 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Tetrachloroethene	0.95 J	2.6 J	0.64 J	0.87 J	2.7 U	0.62 J	0.68 J	0.79 J	0.89 J	1.0 J	1.1 J	0.95 J	1.2 J	0.92 J
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	2.2 U	2.2 U	27	92 J	95	95 J	100 J	130 J	140 J	320 J	230 J	190 J	110 J	11 J
Thiophene	1.4 U	1.4 U	0.69 U	0.69 U	1.4 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Trans-1,2-dichloroethene	1.6 U	1.6 U	0.79 U	0.79 U	1.6 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.1 U	3.1 U	0.57 J	0.62 J	3.1 U	0.60 J	0.72 J	0.75 J	0.83 J	0.85 J	0.84 J	0.84 J	0.84 J	0.81 J
Trichlorobenzene, 1,2,4-	3.0 U	3.0 U	1.5 U	1.5 U	3.0 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Trichloroethane, 1,1,1-	2.2 U	2.2 U	1.1 U	1.1 U	2.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethane, 1,1,2-	2.2 U	2.2 U	1.1 U	1.1 U	2.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethene	2.2 U	2.2 U	0.56 J	0.51 J	2.2 U	1.1 U	1.1 U	1.1 U	1.1 U	0.42 J	0.48 J	1.1 U	0.43 J	0.84 J
Trichlorofluoromethane	1.7 J	1.8 J	3.3	6.6	6.8	5.6 J	5.4	6.0	8.0	7.7	8.2	8.5	8.4	7.6
Trimethylbenzene, 1,2,3-	2.0 U	2.0 U	2.3	29	23	22 J	19	21	23	26	23	22	11	0.56 J
Trimethylbenzene, 1,2,4-	2.0 U	2.0 U	18	0.98 U	2.0 U	0.98 U	0.35 J	0.35 J	0.48 J	0.46 J	0.98 U	0.98 U	0.98 U	0.30 J
Trimethylbenzene, 1,3,5-	2.0 U	2.0 U	15	56	33	40 J	22	33	30	44	42	30	12	0.43 J
Trimethylpentane, 2,2,4-	1.9 U	1.9 U	0.93 UJ	4.8 J	1.9 U	0.93 U	0.93 U	0.93 U	2.3 J	3.0 J	3.4 J	2.4 J	2.5 J	3.9
Undecane, n-	1.4 J	2.6 U	11	1.3 UJ	2.6 U	1.3 UJ	1.3 UJ	1.3 UJ	1.3 UJ	1.3 UJ	1.3 UJ	1.3 UJ	1.3 UJ	1.3 UJ
Vinyl bromide	1.8 U	1.8 U	0.87 U	0.87 U	1.8 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl chloride	1.0 U	1.0 U	0.51 U	0.51 U	1.0 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Other (%)														
Carbon Dioxide	5.5	7.94	NA	0.773	1.12	3.5	4.17	4.33	5.09	10.5	5.3	8.73	5.42	5.24
Helium	0.0179 U	0.0173 U	0.585	0.078	0.0174 U	0.017	0.0165	0.0209	0.0192	0.0197	0.0191	0.0164	0.0182	0.0189

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	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	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-21 3/19/2009
BTEX (ug/m3)														
Benzene	0.34 J	0.64 U	0.72	0.87	0.26 J	1.6 U	1.6 U	1.3 U	0.67	0.38 J	1.3 U	1.3 U	1.3 U	0.64 U
Toluene	0.54 J	1.5	1.4	4.5	1.2	1.9 U	1.9 U	1.5 U	0.45 J	1.5 U	1.5 U	0.53 J	0.44 J	0.46 J
Ethylbenzene	0.87 U	0.87 U	0.87 U	0.69 J	0.87 U	2.2 U	2.2 U	1.7 U	0.87 U	1.7 U	1.7 U	1.7 U	1.7 U	0.87 U
Xylene, m,p-	1.7 U	0.43 J	1.7 U	1.7 J	1.7 U	4.3 U	4.3 U	3.5 U	1.7 U	3.5 U	3.5 U	3.5 U	3.5 U	0.28 J
Xylene, o-	0.87 U	0.87 U	0.87 U	0.78 J	0.87 U	2.2 U	2.2 U	1.7 U	0.87 U	1.7 U	1.7 U	1.7 U	1.7 U	0.87 U
Other VOCs (ug/m3)														
Acetaldehyde	4.5 UJ	4.5 UJ	6.0 U	15 J	15	4.7 U	4.5 U	9.0 U	4.5 U	3.6 J	9.0 U	5.0 J	4.1 J	1.8 U
Acetone	1.8 UJ	2.6 U	2.7 U	12 J	20	3.1 U	4.5 U	1.1 J	0.78 J	1.7 J	1.7 J	2.0 J	4.8 U	2.4 U
Acrolein (propenal)	0.46 U	1.2 U	0.45 J	3.5	1.2 U	2.9 U	2.9 U	2.3 U	1.2 U	2.3 U	2.3 UJ	2.3 U	2.3 U	0.46 U
Allyl chloride	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	1.6 U	1.6 U	1.2 U	0.63 U	1.2 U	1.2 U	1.2 U	1.2 U	0.63 U
Benzothiophene	14 UJ	1.1 U	1.1 U	1.1 UJ	1.1 UJ	2.7 U	2.7 U	2.2 UJ	1.1 UJ	2.2 U	2.2 UJ	2.2 U	2.2 U	1.1 U
Bromodichloromethane	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	3.4 U	3.4 U	2.7 U	1.3 U	2.7 U	2.7 U	2.7 U	2.7 U	1.3 U
Bromoform	2.1 U	2.1 U	2.1 UJ	2.1 U	2.1 U	5.2 U	5.2 U	4.1 U	2.1 U	4.1 U	4.1 U	4.1 U	4.1 U	2.1 U
Bromomethane	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	1.9 U	1.9 U	1.6 U	0.78 U	1.6 U	1.6 U	1.6 U	1.6 U	0.78 U
Butadiene, 1,3-	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	1.1 U	1.1 U	0.88 U	0.44 U	0.88 U	0.88 U	0.88 U	0.88 U	0.44 U
Butane	6.6	1.4	1.7	2.1	0.76	1.2 U	1.2 U	0.95 U	2.4	0.95 U	0.95 U	0.95 U	0.88 J	0.19 J
Butanone, 2-	0.59 U	0.59 U	0.43 J	2.4	0.71	1.5 U	1.5 U	1.2 U	0.59 U	1.2 U	1.2 UJ	1.2 U	1.2 U	0.59 U
Carbon disulfide	4.6	13	30	40 J	9.0	1.6 U	1.6 U	0.93 J	0.37 J	1.2 U	1.2 U	1.8	0.77 J	0.62 U
Carbon tetrachloride	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	3.1 U	3.1 U	2.5 U	0.31 J	2.5 U	2.5 U	2.5 U	2.5 U	1.3 U
Chlorobenzene	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	2.3 U	2.3 U	1.8 U	0.92 U	1.8 U	1.8 U	1.8 U	1.8 U	0.92 U
Chloroethane	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	1.3 U	1.3 U	1.0 U	0.53 U	1.0 U	1.0 U	1.0 U	1.0 U	0.53 U
Chloroform	14	7.8	8.4	6.9	6.8	3.0	2.1 J	1.7 J	0.98 U	2.0 U	0.59 J	1.1 J	5.0	2.3
Chloromethane	0.67	0.41 U	0.16 J	0.43	0.17 J	1.0 U	1.0 U	0.83 U	0.14 J	0.83 U	0.83 U	0.54 J	0.83 U	0.41 U
Chlorotoluene, 2-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.6 U	2.6 U	2.1 U	1.0 U	2.1 U	2.1 U	2.1 U	2.1 U	1.0 U
Cryofluorane	1.4 U	1.4 U	1.4 U	1.4 U	1.4 J	3.5 U	3.5 U	2.8 U	1.4 U	2.8 U	2.8 U	2.8 U	2.8 U	1.4 U
Cyclohexane	0.23 J	0.69 U	0.69 U	0.23 J	0.69 U	1.7 U	1.7 U	1.4 U	0.69 U	1.4 U	1.4 U	1.4 UJ	1.4 U	0.69 U
Decane, n-	1.2 UJ	1.2 UJ	0.65 J	5.6	1.2 U	2.9 U	2.9 U	2.3 U	1.2 U	2.3 U	2.3 U	2.3 U	2.3 U	1.2 U
Dibromochloromethane	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	4.3 U	4.3 U	3.4 U	1.7 U	3.4 U	3.4 U	3.4 U	3.4 U	1.7 U
Dibromoethane, 1,2-	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.8 U	3.8 U	3.1 U	1.5 U	3.1 U	3.1 U	3.1 U	3.1 U	1.5 U
Dichlorobenzene, 1,2-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	3.0 U	3.0 U	2.4 U	1.2 U	2.4 U	2.4 U	2.4 U	2.4 U	1.2 U
Dichlorobenzene, 1,3-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	3.0 U	3.0 U	2.4 U	1.2 U	2.4 U	2.4 U	2.4 U	2.4 U	1.2 U
Dichlorobenzene, 1,4-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	3.0 U	3.0 U	2.4 U	1.2 U	2.4 U	2.4 U	2.4 U	2.4 U	1.2 U
Dichlorodifluoromethane	5.6	1.7	2.4	7.1	6.9	4.7	3.2	4.0	2.4	3.3	2.3	3.0	3.3	3.1
Dichloroethane, 1,1-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	2.0 U	2.0 U	1.6 U	0.81 U	1.6 U	1.6 U	1.6 U	1.6 U	0.81 U
Dichloroethane, 1,2-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	2.0 U	2.0 U	1.6 U	0.81 U	1.6 U	1.6 U	1.6 U	1.6 U	0.81 U
Dichloroethene, 1,1-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	2.0 U	2.0 U	1.6 U	0.79 U	1.6 U	1.6 U	1.6 U	1.6 U	0.79 U
Dichloroethene, cis-1,2-	1.3	0.52 J	0.41 J	0.79 U	0.79 U	2.0 U	2.0 U	1.6 U	0.79 U	1.6 U	1.6 U	1.6 U	0.52 J	0.32 J
Dichloropropane, 1,2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	2.3 U	2.3 U	1.8 U	0.92 U	1.8 U	1.8 U	1.8 U	1.8 U	0.92 U
Dichloropropene, cis-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	2.3 U	2.3 U	1.8 U	0.91 U	1.8 U	1.8 U	1.8 U	1.8 U	0.91 U
Dichloropropene, trans-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	2.3 U	2.3 U	1.8 U	0.91 U	1.8 U	1.8 U	1.8 U	1.8 U	0.91 U
Dioxane, 1,4-	0.72 U	0.72 UJ	0.72 UJ	0.72 U	0.72 U	1.8 U	1.8 U	1.4 U	0.72 U	1.4 U	1.4 U	1.4 U	1.4 U	0.72 U
Dodecane, n-	1.4 UJ	1.2 J	0.94 J	5.4	0.63 J	3.5 U	3.5 U	0.97 J	1.4 UJ	2.8 U	2.8 U	2.8 U	1.8 J	0.68 J
Ethanol	55	1.9 U	2.1 U	6.1	1.5 J	4.7 U	4.7 U	3.8 U	1.0 J	0.94 J	1.0 J	1.3 J	3.8 U	2.9
Ethylthiophene, 2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	2.3 U	2.3 U	1.8 U	0.92 U	1.8 U	1.8 U	1.8 U	1.8 U	0.92 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	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	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-21 3/19/2009
Ethyltoluene, p-	0.98 U	0.98 U	0.98 U	0.38 J	0.98 U	2.5 U	2.5 U	2.0 U	0.98 U	2.0 U	2.0 U	2.0 U	2.0 U	0.98 U
Heptane, n-	0.82 U	0.82 U	0.82 U	0.42 J	0.82 U	2.0 U	2.0 U	1.6 U	0.82 U	1.6 U	1.6 U	1.6 U	1.6 U	0.82 U
Hexachlorobutadiene	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	5.3 U	5.3 U	4.3 U	2.1 U	4.3 U	4.3 U	4.3 U	4.3 U	2.1 U
Hexane, n-	0.21 J	0.18 J	0.70 U	0.74	0.70 U	1.8 U	1.8 U	1.4 U	0.70 U	1.4 U	1.4 U	1.4 UJ	1.4 U	0.70 U
Hexanone, 2-	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	2.0 U	2.0 U	1.6 U	0.82 U	1.6 U	1.6 U	1.6 U	1.6 U	0.82 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	0.97 U	0.97 U	0.97 UJ	0.30 J	0.97 U	2.4 U	2.4 U	1.9 U	0.97 U	1.9 U	1.9 U	1.9 U	1.9 U	0.97 U
Indene	0.95 U	0.95 U	0.95 UJ	0.95 U	0.95 U	2.4 U	2.4 U	1.9 U	0.95 U	1.9 U	1.9 U	1.9 U	1.9 UJ	0.95 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	1.8 U	1.8 U	1.4 U	0.72 U	1.4 U	1.4 UJ	1.4 U	1.4 U	0.72 U
Methyl-2-pentanone, 4-	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	2.0 U	2.0 U	1.6 U	0.82 U	1.6 U	1.6 U	1.6 UJ	1.6 U	0.82 U
Methylene chloride	1.8 U	0.52 J	1.7 U	1.7 UJ	0.87 J	4.3 U	4.3 U	3.5 U	0.56 J	3.5 U	3.5 U	1.4 J	1.0 J	1.7 U
Methylnaphthalene, 1-	14 UJ	1.2 U	1.2 U	0.83 J	1.2 U	2.9 U	2.9 U	2.3 U	1.2 U	2.3 U	2.3 U	5.8 U	5.8 U	1.2 U
Methylnaphthalene, 2-	14 UJ	1.2 U	1.2 U	1.5 J	1.2 U	2.9 U	2.9 U	2.3 UJ	1.2 U	2.3 U	2.3 UJ	5.8 UJ	5.8 U	1.2 U
Methylthiophene, 2-	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	2.0 U	2.0 U	1.6 U	0.80 U	1.6 U	1.6 U	1.6 U	1.6 U	0.80 U
Methylthiophene, 3-	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	2.0 U	2.0 U	1.6 U	0.80 U	1.6 U	1.6 U	1.6 U	1.6 U	0.80 U
Naphthalene	1.0 U	1.0 U	0.40 J	1.1	1.0 U	2.6 U	2.6 U	2.1 U	1.0 U	2.1 U	2.0 U	2.1 U	2.1 U	1.0 U
Nonane	1.0 U	1.0 U	1.0 U	0.48 J	1.0 U	2.6 U	2.6 U	2.1 U	1.0 U	2.1 U	2.1 U	2.1 U	2.1 U	1.0 U
Octane, n-	0.93 U	0.93 U	0.93 U	1.1	0.93 U	2.3 U	2.3 U	1.9 U	0.93 U	1.9 U	1.9 U	1.9 U	1.9 U	0.93 U
Pentane	1.8	0.50 J	0.56 J	2.2	0.27 J	1.5 U	1.5 U	1.2 U	0.91	1.2 U	1.2 U	1.2 U	1.2 U	0.59 U
Propanol, 2-	3.5	1.2 U	1.7 U	1.2 J	0.88 U	3.0 U	3.0 U	2.5 U	1.2 U	2.5 U	2.5 U	2.5 U	2.5 U	1.2 U
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.85 U	0.85 U	0.85 U	0.61 J	0.85 U	2.1 U	2.1 U	1.7 U	0.85 U	1.7 U	1.7 U	1.7 U	1.7 U	0.85 U
t-Butyl alcohol	0.61 U	0.21 J	0.61 U	0.32 J	0.61 U	1.5 U	1.5 U	1.2 U	0.61 U	1.2 U	1.2 U	1.2 U	1.2 U	0.15 J
Tetrachloroethane, 1,1,2,2-	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	3.4 U	3.4 U	2.7 U	1.4 U	2.7 U	2.7 U	2.7 U	2.7 U	1.4 U
Tetrachloroethene	1.2 J	2.2	4.3	3.7	3.9	2.2 J	1.2 J	0.95 J	1.4 U	0.95 J	2.7 U	0.81 J	3.5	1.4 U
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	4.8 J	0.49 J	0.47 J	0.69 J	1.1 UJ	2.7 UJ	2.7 U	2.2 UJ	1.1 U	2.2 U	2.2 UJ	2.2 U	2.2 U	1.1 U
Thiophene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	1.7 U	1.7 U	1.4 U	0.69 U	1.4 U	1.4 U	1.4 U	1.4 U	0.69 U
Trans-1,2-dichloroethene	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	2.0 U	2.0 U	1.6 U	0.79 U	1.6 U	1.6 U	1.6 U	1.6 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	1.0 J	0.77 J	0.68 J	0.57 J	0.46 J	3.8 U	3.8 U	3.1 U	0.46 J	3.1 U	3.1 U	3.1 U	3.1 U	0.49 J
Trichlorobenzene, 1,2,4-	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.7 U	3.7 U	3.0 U	1.5 U	3.0 U	3.0 U	3.0 U	3.0 U	1.5 U
Trichloroethane, 1,1,1-	1.1 U	1.1 U	0.37 J	0.42 J	0.33 J	2.7 U	2.7 U	2.2 U	1.1 U	2.2 U	2.2 U	2.2 U	2.2 U	0.41 J
Trichloroethane, 1,1,2-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.7 U	2.7 U	2.2 U	1.1 U	2.2 U	2.2 U	2.2 U	2.2 U	1.1 U
Trichloroethene	0.72 J	0.81 J	0.70 J	0.64 J	0.48 J	2.7 U	2.7 U	2.2 U	1.1 U	2.2 U	2.2 U	2.2 U	0.59 J	0.38 J
Trichlorofluoromethane	10	6.3	9.5	7.7	6.0	3.6	2.5 J	2.5	1.3	1.8 J	1.8 J	2.1 J	2.5	2.8
Trimethylbenzene, 1,2,3-	0.98 U	0.98 U	0.98 U	0.50 J	0.98 U	2.5 U	2.5 U	2.0 U	0.98 U	2.0 U	2.0 U	2.0 U	2.0 U	0.98 U
Trimethylbenzene, 1,2,4-	0.98 U	0.98 U	0.31 J	0.86 J	0.98 U	2.5 U	2.5 U	2.0 U	0.98 U	2.0 U	2.0 U	2.0 U	2.0 U	0.98 U
Trimethylbenzene, 1,3,5-	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	2.5 U	2.5 U	2.0 U	0.98 U	2.0 U	2.0 U	2.0 U	2.0 U	0.98 U
Trimethylpentane, 2,2,4-	4.7	0.79 J	0.93 U	0.93 U	0.93 U	2.3 U	2.3 U	1.9 U	0.93 U	1.9 U	1.9 U	1.9 U	1.9 U	0.93 U
Undecane, n-	1.3 UJ	1.3 U	1.3 U	1.1 J	1.3 U	3.2 U	3.2 U	2.6 U	1.3 UJ	2.6 U	2.6 U	2.6 U	2.6 U	0.34 J
Vinyl bromide	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	2.2 U	2.2 U	1.8 U	0.87 U	1.8 U	1.8 U	1.8 U	1.8 U	0.87 U
Vinyl chloride	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	1.3 U	1.3 U	1.0 U	0.51 U	1.0 U	1.0 U	1.0 U	1.0 U	0.51 U
Other (%)														
Carbon Dioxide	6.07	5.4	5.9	5.1	4.09	2.48	2.11	1.46	0.386	0.633	0.863	1.2	1.53	NA
Helium	0.0186	0.0217 U	0.0194	0.0201 U	0.0263 U	0.0166 U	0.00317 U	0.0159 U	0.0179 U	0.0153 U	0.0179 U	0.0153 U	0.0162 U	0.025

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	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	OU2SG-21 6/9/2010	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
BTEX (ug/m3)														
Benzene	0.64 U	1.6 U	1.3 U	1.3 U	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
Toluene	4.6	2.5	0.75 J	0.75 J	0.60 J	0.69 J	1.7	4.1	620	1.4	190	30	0.69 J	0.52 J
Ethylbenzene	0.34 J	0.54 J	1.7 U	1.7 U	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
Xylene, m,p-	0.81 J	1.7 J	3.5 U	3.5 U	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
Xylene, o-	0.35 J	2.2 U	1.7 U	1.7 U	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
Other VOCs (ug/m3)														
Acetaldehyde	10 J	4.5 U	9.0 U	9.0 U	9.0 U	6.6 J	4.5 U	6.0	1.8 UJ	3.6 J	1.8 UJ	1.8 UJ	3.7 U	1.8 UJ
Acetone	6.3 U	3.3 U	1.6 J	1.4 J	1.6 J	5.2	4.9 U	3.5	0.47 UJ	3.4 U	32	14	2.6 U	1.6 U
Acrolein (propenal)	2.8 J	2.9 U	2.3 UJ	2.3 UJ	2.3 UJ	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
Allyl chloride	0.63 U	1.6 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	1.1 U	2.7 U	2.2 U	2.2 UJ	2.2 UJ	2.2 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
Bromodichloromethane	1.3 U	3.4 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	1.3 U
Bromoform	2.1 U	5.2 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	2.1 U
Bromomethane	0.78 U	1.9 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	0.78 U
Butadiene, 1,3-	0.44 U	1.1 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	0.44 U
Butane	0.32 J	1.2 U	0.95 U	0.95 U	0.95 U	0.95 U	0.50	0.48 U	4.2	0.48 U	0.53	1.7	0.48 U	0.48 U
Butanone, 2-	1.7	1.5 U	1.2 U	1.2 UJ	1.2 UJ	2.1	0.73 J	0.85	0.50 J	0.59 U	4.3	2.8	0.97	0.59 U
Carbon disulfide	6.4	1.6 U	1.4	22	22	34	0.36 J	0.84 U	16	0.18 J	3.0	0.62 U	0.62 U	0.62 U
Carbon tetrachloride	1.3 U	3.1 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	0.56 J	2.0	2.4
Chlorobenzene	0.92 U	2.3 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	0.92 U
Chloroethane	0.53 U	1.3 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	0.53 U
Chloroform	1.1	2.2 J	0.98 J	1.3 J	1.3 J	1.8 J	1.0	18	18	2.1	1.2	1.1	1.3	1.5
Chloromethane	0.16 J	1.0 U	0.83 U	0.83 U	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
Chlorotoluene, 2-	1.0 U	2.6 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	1.0 U
Cryofluorane	1.4 U	3.5 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	1.4 U
Cyclohexane	0.69 U	1.7 U	1.4 UJ	1.4 U	1.4 U	1.4 U	0.69 U	0.69 U	84	0.69 U	18	3.8	0.90	0.78
Decane, n-	2.7	2.9 U	2.3 U	2.3 U	2.3 U	2.3 U	3.0	11	1.3	1.2	2.4	5.1	0.58 J	0.72 J
Dibromochloromethane	1.7 U	4.3 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	1.7 U
Dibromoethane, 1,2-	1.5 U	3.8 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	1.5 U
Dichlorobenzene, 1,2-	1.2 U	3.0 U	2.4 U	2.4 U	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
Dichlorobenzene, 1,3-	0.82 J	3.0 U	2.4 U	2.4 U	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
Dichlorobenzene, 1,4-	0.70 J	3.0 U	2.4 U	2.4 U	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
Dichlorodifluoromethane	2.3	5.4	3.7	2.6	2.9	3.9	2.0	2.5	2.5	2.5	2.9	2.9	2.4	2.4
Dichloroethane, 1,1-	0.81 U	2.0 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	0.81 U
Dichloroethane, 1,2-	0.81 U	2.0 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	0.81 U
Dichloroethene, 1,1-	0.79 U	2.0 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	0.79 U
Dichloroethene, cis-1,2-	0.79 U	2.0 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	0.79 U
Dichloropropane, 1,2-	0.92 U	2.3 U	1.8 UJ	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
Dichloropropene, cis-1,3	0.91 U	2.3 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	0.91 U
Dichloropropene, trans-1,3	0.91 U	2.3 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	0.91 U
Dioxane, 1,4-	0.72 UJ	1.8 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	0.72 U
Dodecane, n-	5.6	1.2 J	2.8 U	2.8 U	2.8 U	1.0 J	1.8	11 J	3.2	1.8 J	0.79 J	3.2	1.4 U	1.7
Ethanol	6.0	2.2 J	3.0 J	1.3 J	1.3 J	1.6 J	9.0	2.7	1.4 J	7.6	23	12	3.8	3.0
Ethylthiophene, 2-	0.92 U	2.3 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	0.92 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	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	OU2SG-21 6/9/2010	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
Ethyltoluene, p-	0.98 U	2.5 U	2.0 U	2.0 U	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
Heptane, n-	0.82 U	2.0 U	1.6 U	1.6 U	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
Hexachlorobutadiene	2.1 U	5.3 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 UJ	2.1 UJ	2.1 U	2.1 U
Hexane, n-	0.21 J	1.8 U	1.4 U	1.4 U	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
Hexanone, 2-	0.27 J	2.0 U	1.6 U	1.6 U	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
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	0.29 J	2.4 U	1.9 U	1.9 U	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
Indene	0.95 U	2.4 U	1.9 U	1.9 U	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	0.95 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	0.72 U	1.8 U	1.4 U	1.4 UJ	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	0.72 U
Methyl-2-pentanone, 4-	0.36 J	2.0 U	1.6 UJ	1.6 U	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
Methylene chloride	1.7 U	4.3 U	1.2 J	3.5 U	3.5 U	1.2 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
Methylnaphthalene, 1-	1.2 U	2.9 U	2.3 U	2.3 U	2.3 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
Methylnaphthalene, 2-	0.41 J	2.9 U	2.3 U	2.3 UJ	2.3 UJ	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
Methylthiophene, 2-	0.80 U	2.0 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	0.8 U	0.80 U	0.80 U
Methylthiophene, 3-	0.80 U	2.0 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	0.8 U	0.80 U	0.80 U
Naphthalene	0.85 J	2.6 U	2.1 U	2.1 U	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
Nonane	0.52 J	2.6 U	2.1 U	2.1 U	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
Octane, n-	0.64 J	2.3 U	1.9 U	1.9 U	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
Pentane	1.1	1.5 U	1.2 U	1.2 U	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
Propanol, 2-	1.9 U	3.0 U	2.5 U	2.5 U	2.5 U	1.2 J	1.6	0.59 J	0.49 U	1.1 J	3.7	2.6	1.2 U	1.2 U
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	3.0	2.1 U	1.7 U	1.7 U	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
t-Butyl alcohol	0.58 J	1.5 U	1.2 U	1.2 U	1.2 U	1.2 U	0.39 J	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U
Tetrachloroethane, 1,1,2,2-	1.4 U	3.4 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	1.4 U
Tetrachloroethene	0.49 J	3.4 U	2.7 U	2.7 U	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
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	0.29 J	2.7 UJ	2.2 U	2.2 UJ	2.2 UJ	0.75 J	1.1 U	0.66 J	3.0	1.1 U	0.57 J	1.1 U	1.1 U	1.1 U
Thiophene	0.69 U	1.7 U	1.4 UJ	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
Trans-1,2-dichloroethene	0.79 U	2.0 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	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	0.78 J	3.8 U	3.1 U	3.1 U	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
Trichlorobenzene, 1,2,4-	1.5 U	3.7 U	3.0 U	3.0 U	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
Trichloroethane, 1,1,1-	1.4	2.9	2.2 U	2.2 U	2.2 U	1.4 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
Trichloroethane, 1,1,2-	1.1 U	2.7 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	1.1 U
Trichloroethene	1.1 U	2.7 U	5.5	2.2 U	2.2 U	2.2 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
Trichlorofluoromethane	6.9	7.4	3.1	3.4	3.6	6.8	1.1 J	1.4	1.2	2.4	1.8	1.6	1.6	1.5
Trimethylbenzene, 1,2,3-	0.42 J	2.5 U	2.0 U	2.0 U	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
Trimethylbenzene, 1,2,4-	0.92 J	2.5 U	2.0 U	2.0 U	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
Trimethylbenzene, 1,3,5-	0.98 U	2.5 U	2.0 U	2.0 U	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
Trimethylpentane, 2,2,4-	0.93 U	2.3 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	0.93 U
Undecane, n-	2.3	3.2 U	2.6 U	2.6 U	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
Vinyl bromide	0.87 U	2.2 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	0.87 U
Vinyl chloride	0.51 U	1.3 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	0.51 U
Other (%)														
Carbon Dioxide	NA	2.75	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	0.0199	0.0176 U	0.0168 U	0.017 U	0.166	0.0187 U	NA	0.0185 U	0.0182 U	0.0171	0.0161	0.0161	0.016	0.022

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG-22 1/22/2009	OU2SG-22 1/23/2009	OU2SG-22 1/25/2009	OU2SG-22 1/26/2009	OU2SG-22 1/30/2009	OU2SG-22 2/5/2009	OU2SG-22 2/13/2009	OU2SG-22 2/23/2009	OU2SG-22 3/25/2009	OU2SG-22 4/14/2009	OU2SG-22 5/11/2009	OU2SG-22 6/16/2009	OU2SG-22 7/30/2009	OU2SG-22 8/26/2009
BTEX (ug/m3)														
Benzene	0.64 U	0.26 J	0.43 J	0.72	1.6	1.6	2.1 J	0.86 J	0.53 J	0.56 J	0.98	1.2 U	2.5 J	1.6 J
Toluene	5.1	7.2	13	14	21	43	64 J	44	140	180	250	260	710 J	370
Ethylbenzene	0.87 U	0.22 J	0.24 J	0.26 J	0.66 J	1.0	2.8	4.3 U	2.3 J	3.2	3.8	5.0	16 J	9.1
Xylene, m,p-	0.54 J	0.70 J	0.90 J	0.84 J	1.7 J	2.5	5.6	3.2 J	8.5	12	9.4	17	52 J	27
Xylene, o-	0.87 U	0.27 J	0.34 J	0.31 J	0.60 J	1.1	3.0	1.2 J	3.3	5.0	3.4	7.2	25 J	14
Other VOCs (ug/m3)														
Acetaldehyde	1.8 UJ	2.1 J	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ	4.5 UJ	9.0 UJ	1.8 UJ	3.6 UJ	4.5 UJ	5.1 U	22 J	22 U
Acetone	2.9 U	3.4 U	7.6	14	1.2 U	1.2 UJ	1.2 UJ	5.9 UJ	1.8 UJ	1.8 UJ	1.8 UJ	5.2 U	7.0 J	13 UJ
Acrolein (propenal)	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	2.3 U	0.46 U	0.46 U	1.2 U	0.32 J	0.50 J	5.7 U
Allyl chloride	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	3.1 U
Benzothiophene	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	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
Bromodichloromethane	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	6.7 U
Bromoform	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	10 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	10 U
Bromomethane	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	3.9 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	3.9 U
Butadiene, 1,3-	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 UJ	2.2 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	2.2 U
Butane	0.48 U	0.48 U	1.9	3.9	24	18	25	20 J	8.1	12	27	0.75	0.52 J	0.95 J
Butanone, 2-	0.59 U	0.59 U	0.83	0.80	1.3	1.7	2.2	3.0 U	0.59 U	0.59 U	0.38 J	0.47 J	1.1 J	3.0 U
Carbon disulfide	0.62 U	2.0	0.68 U	0.62 U	0.99	0.65	0.87 J	1.3 J	1.5	2.8	6.0	7.4	16 J	13
Carbon tetrachloride	2.3	4.5	4.5	3.6	2.6	1.7	1.6	6.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	6.3 U
Chlorobenzene	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	4.6 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	4.6 U
Chloroethane	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	2.6 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	2.6 U
Chloroform	1.3	1.5	1.4	1.3	1.3	1.2	2.0	1.4 J	1.6	2.0	3.1	8.4	9.8 J	4.6 J
Chloromethane	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	2.1 U	0.41 U	0.41 U	0.14 J	0.41 U	0.43 J	2.1 U
Chlorotoluene, 2-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.2 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.2 U
Cryofluorane	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	7.0 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	7.0 U
Cyclohexane	0.72	2.2	3.3	5.8	30	28	48	44	40	45	64	28	100 J	55
Decane, n-	0.55 J	1.3	0.48 J	0.42 J	0.63 J	0.74 J	2.8	5.8 U	2.4	3.5	1.2 U	2.4	4.8 J	5.8 U
Dibromochloromethane	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	8.5 U
Dibromoethane, 1,2-	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	7.7 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	7.7 U
Dichlorobenzene, 1,2-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	6.0 U	1.2 U	1.2 U	1.2 U	1.2 U	0.41 J	1.2 J
Dichlorobenzene, 1,3-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	6.0 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.54 J
Dichlorobenzene, 1,4-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	6.0 U	1.2 U	0.51 J	1.2 U	1.2	3.8 J	2.1 J
Dichlorodifluoromethane	2.2	1.7	1.7	1.5	1.2	1.0	1.1	4.9 U	1.5	0.95 J	1.0	0.98 J	0.74 J	4.9 U
Dichloroethane, 1,1-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	4.0 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	4.0 U
Dichloroethane, 1,2-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	4.0 U	0.81 UJ	0.81 U	0.81 U	0.81 U	0.81 U	4.0 U
Dichloroethene, 1,1-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	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-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	4.0 U	0.79 U	0.79 U	1.8	0.79 U	0.79 U	4.0 U
Dichloropropane, 1,2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	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	0.91 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	4.5 U
Dichloropropene, trans-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	4.5 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	4.5 U
Dioxane, 1,4-	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	3.6 U	0.72 U	0.72 U	0.72 U	0.72 UJ	0.72 U	3.6 U
Dodecane, n-	1.4 U	2.7	0.76 J	0.61 J	0.47 J	0.46 J	1.4 J	17 U	0.65 J	1.4 J	1.4 U	0.60 J	2.5 J	1.7 J
Ethanol	3.6	2.2	2.4	3.8	4.2	8.2	9.2	24 UJ	3.0 J	3.1	5.1	3.7 U	4.0 J	9.4 UJ
Ethylthiophene, 2-	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	4.6 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG-22 1/22/2009	OU2SG-22 1/23/2009	OU2SG-22 1/25/2009	OU2SG-22 1/26/2009	OU2SG-22 1/30/2009	OU2SG-22 2/5/2009	OU2SG-22 2/13/2009	OU2SG-22 2/23/2009	OU2SG-22 3/25/2009	OU2SG-22 4/14/2009	OU2SG-22 5/11/2009	OU2SG-22 6/16/2009	OU2SG-22 7/30/2009	OU2SG-22 8/26/2009
Ethyltoluene, p-	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.54 J	4.9 U	0.56 J	1.1	0.37 J	1.8	5.8 J	2.7 J
Heptane, n-	0.82 U	0.82 U	0.82 U	0.82 U	18	5.5	5.0 J	4.1 U	2.7	0.67 J	0.74 J	0.43 J	1.4 J	4.1 U
Hexachlorobutadiene	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	11 U	2.1 UJ	2.1 U	2.1 U	2.1 U	2.1 U	11 U
Hexane, n-	0.70 U	0.33 J	0.99 J	4.0 J	41	21	24 J	11	3.3	3.2	4.0	2.5	7.4 J	4.2
Hexanone, 2-	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	10 U	2.0 U	0.82 U	0.82 U	0.82 U	0.82 U	4.1 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.36 J	4.8 U	0.43 J	0.89 J	0.29 J	12	35 J	16
Indene	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	4.8 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	4.8 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	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-	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	4.1 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	4.1 UJ
Methylene chloride	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	3.4 U	1.7 U	1.7 U	9.1	1.7 U	0.52 J	2.6 J
Methylnaphthalene, 1-	5.8 U	0.54 J	5.8 UJ	5.8 UJ	5.8 U	1.2 U	1.2 UJ	14 U	2.9 U	5.8 U	1.2 U	2.8 J	3.8 J	4.4 J
Methylnaphthalene, 2-	5.8 U	1.4 J	5.8 U	5.8 U	5.8 UJ	1.2 U	1.2 U	14 U	2.9 U	5.8 U	0.37 J	5.7	8.2 J	8.1 J
Methylthiophene, 2-	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	4.0 U
Methylthiophene, 3-	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	4.0 U
Naphthalene	1.0 U	0.59 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.2 U	1.0 U	1.0 UJ	1.0 U	32	53 J	19
Nonane	1.0 U	0.32 J	1.0 U	1.0 U	1.0 U	1.0 U	2.4	5.2 U	2.8	3.8	0.80 J	2.3	2.2 J	5.2 U
Octane, n-	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	4.7 U	1.2	1.6	1.1	0.95	0.98 J	4.7 U
Pentane	0.59 U	0.59 U	3.9	9.3	48	22	31	18	6.1	10	18	0.82	0.86 J	3.0 U
Propanol, 2-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 UJ	0.49 UJ	0.49 UJ	6.1 UJ	1.2 U	0.62	1.2 U	1.2 U	1.2 U	6.1 U
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.85 U	0.85 U	0.85 U	0.85 U	0.23 J	0.28 J	1.3	4.3 U	1.2	1.9	1.1	2.6	11 J	5.8
t-Butyl alcohol	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	1.5 U	3.0 U	0.61 U	0.61 U	0.39 J	0.48 J	0.61 U	3.0 U
Tetrachloroethane, 1,1,2,2-	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	6.9 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	6.9 U
Tetrachloroethene	0.60 J	0.75 J	0.79 J	0.76 J	0.91 J	1.2 J	2.5	6.8 U	2.2	2.8	4.5	5.3	11 J	8.1
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	1.1 U	1.6 J	1.1 U	1.1 U	1.1 U	1.1 U	0.54 J	14 UJ	0.55 J	2.5 J	0.67 J	7.0 J	26 J	9.0 J
Thiophene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	3.4 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	3.4 U
Trans-1,2-dichloroethene	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	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-	0.46 J	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	7.7 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	7.7 U
Trichlorobenzene, 1,2,4-	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	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-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	5.4 U	0.48 J	0.57 J	0.92 J	0.31 J	1.1 U	5.4 U
Trichloroethane, 1,1,2-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	5.4 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	5.4 U
Trichloroethene	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	5.4 U	1.1 U	1.1 U	0.96 J	1.1 U	1.1 U	5.4 U
Trichlorofluoromethane	1.4	1.1 J	1.1 J	0.97 J	0.77 J	0.70 J	0.92 J	5.6 U	0.78 J	0.67 J	2.9	2.7	3.5 J	3.4 J
Trimethylbenzene, 1,2,3-	0.98 U	0.37 J	0.98 U	0.98 U	0.98 U	0.98 U	0.71 J	4.9 U	0.80 J	1.8	0.27 J	5.3	18 J	7.6
Trimethylbenzene, 1,2,4-	0.98 U	0.73 J	0.98 U	0.98 U	0.34 J	0.51 J	2.2	4.9 U	2.2	4.2	0.62 J	7.3	23 J	9.1
Trimethylbenzene, 1,3,5-	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.72 J	4.9 U	0.75 J	1.4	0.33 J	2.1	6.9 J	3.4 J
Trimethylpentane, 2,2,4-	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	4.7 UJ	0.93 U	0.93 UJ	0.93 U	0.93 U	0.93 U	4.7 U
Undecane, n-	0.45 J	2.9	0.38 J	1.0 J	1.3 U	1.3 U	0.92 J	6.4 U	0.66 J	1.4	1.3 U	0.92 J	4.9 J	6.4 U
Vinyl bromide	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	4.4 U
Vinyl chloride	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	2.6 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	2.6 U
Other (%)														
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.28	2.66	2.23	3.52	2.42
Helium	0.016	0.0163	0.0152	0.0176	0.0172	0.0158	0.0184	0.0218	0.026	0.0221	0.0164 U	0.0204	0.018 U	0.0162 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG-22 9/23/2009	OU2SG-22 10/19/2009	OU2SG-22 11/18/2009	OU2SG-22 12/28/2009	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-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
BTEX (ug/m3)														
Benzene	1.6 U	1.6 U	1.3 U	0.38 J	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
Toluene	39	25	25	32	27	26	41	50	62	1.4	4.2	4.2	0.75 J	1.5 U
Ethylbenzene	4.2	1.4 J	1.0 J	1.5 J	0.87 J	0.87 J	1.5 J	2.4	1.9	0.38 J	0.87 U	0.87 U	1.7 U	1.7 U
Xylene, m,p-	13	4.4	3.6	4.1	2.7 J	2.7 J	5.1	7.3	3.4 J	1.3 J	0.35 J	0.43 J	3.5 U	3.5 U
Xylene, o-	6.7	2.4	1.9	2.1	1.6 J	1.5 J	2.7	4.2	2.4	0.49 J	0.87 U	0.87 U	1.7 U	1.7 U
Other VOCs (ug/m3)														
Acetaldehyde	8.2 U	4.5 U	9.0 U	9.0 U	9.0 U	9.0 U	9.0 U	9.0 U	3.5 J	4.5 U	7.6 J	5.3 J	6.7 J	9.0 U
Acetone	3.6 U	4.5 U	1.2 J	3.6 UJ	3.4 J	3.6 UJ	4.8 U	1.5 J	1.5 J	7.7 J	2.8 J	4.8 J	4.8 U	3.6 UJ
Acrolein (propenal)	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	1.2 U	0.18 J	0.18 J	2.3 U	2.3 UJ
Allyl chloride	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	0.63 U	0.63 U	0.63 U	1.2 U	1.2 U
Benzothiophene	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	1.1 U	1.1 UJ	1.1 UJ	2.2 U	2.2 U
Bromodichloromethane	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	1.3 U	1.3 U	1.3 U	2.7 U	2.7 U
Bromoform	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	2.1 U	2.1 U	2.1 U	4.1 U	4.1 U
Bromomethane	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	0.78 U	0.78 U	0.78 U	1.6 U	1.6 U
Butadiene, 1,3-	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	0.44 U	0.44 U	0.44 U	0.88 U	0.88 U
Butane	1.2 U	1.2 U	0.95 U	0.43 J	2.1	1.5	0.95 U	0.95 U	0.95 U	0.48 U	0.48 U	0.14 J	0.95 U	0.95 U
Butanone, 2-	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	14	0.44 J	0.59	0.83 J	1.2 U
Carbon disulfide	5.4	2.6	2.7	2.5	0.87 J	1.1 J	1.9 U	3.0	21	0.38 J	0.62 U	0.81 U	1.2 U	1.2 U
Carbon tetrachloride	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	1.3 U	1.3 U	1.3 U	2.5 U	2.5 U
Chlorobenzene	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	0.92 U	0.92 U	0.92 U	1.8 U	1.8 U
Chloroethane	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	0.53 U	0.53 U	0.53 U	1.0 U	1.0 U
Chloroform	7.1	10	8.3	2.0	0.78 J	0.88 J	1.4 J	1.2 J	12	0.34 J	1.4	2.2	2.3	0.59 J
Chloromethane	1.0 U	1.0 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.41 U	0.12 J	0.27 J	0.83 U	0.83 U
Chlorotoluene, 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	1.0 U	1.0 U	1.0 U	2.1 U	2.1 U
Cryofluorane	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	1.4 U	1.4 U	1.4 U	2.8 U	2.8 U
Cyclohexane	11	10	7.6	14 J	13	6.7	8.1	8.2	21	0.69 U	0.34 J	0.28 J	1.4 U	1.4 UJ
Decane, n-	1.0 J	2.9 U	2.3 U	1.0 J	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
Dibromochloromethane	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	1.7 U	1.7 U	1.7 U	3.4 U	3.4 U
Dibromoethane, 1,2-	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	1.5 U	1.5 U	1.5 U	3.1 U	3.1 U
Dichlorobenzene, 1,2-	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	1.2 U	1.2 U	1.2 U	2.4 U	2.4 U
Dichlorobenzene, 1,3-	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	0.48 J	1.2 U	1.2 U	2.4 U	2.4 U
Dichlorobenzene, 1,4-	1.4 J	3.0 U	2.4 U	2.4 U	2.4 U	2.4 U	0.60 J	0.72 J	1.4 J	1.2 U	1.2 U	1.2 U	2.4 U	2.4 U
Dichlorodifluoromethane	0.86 J	1.1 J	0.99 J	0.79 J	0.99 J	0.89 J	1.8 J	0.69 J	1.0 J	2.1	2.5	3.3	2.7	2.7
Dichloroethane, 1,1-	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	0.81 U	0.81 U	0.81 U	1.6 U	1.6 U
Dichloroethane, 1,2-	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	0.81 U	0.81 U	0.81 U	1.6 U	1.6 U
Dichloroethene, 1,1-	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	0.79 U	0.79 U	0.79 U	1.6 U	1.6 U
Dichloroethene, cis-1,2-	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	0.79 U	0.79 U	0.79 U	1.6 U	1.6 U
Dichloropropane, 1,2-	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	0.92 U	0.92 U	0.92 U	1.8 U	1.8 UJ
Dichloropropene, cis-1,3	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	0.91 U	0.91 U	0.91 U	1.8 U	1.8 U
Dichloropropene, trans-1,3	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	0.91 U	0.91 U	0.91 U	1.8 U	1.8 U
Dioxane, 1,4-	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	0.72 U	0.72 U	0.72 U	1.4 U	1.4 UJ
Dodecane, n-	1.2 J	3.5 U	2.8 U	2.5 J	7.0 J	2.8 U	2.8 U	2.4 J	2.8 U	2.9	26 J	24 J	0.84 J	2.8 U
Ethanol	1.2 J	4.7 U	3.8 U	3.8 U	1.2 J	3.8 U	1.3 J	3.8 U	3.8 UJ	4.6 J	1.4 J	1.8 J	3.8 U	3.8 U
Ethylthiophene, 2-	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	0.92 U	0.92 U	0.92 U	1.8 U	1.8 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG-22 9/23/2009	OU2SG-22 10/19/2009	OU2SG-22 11/18/2009	OU2SG-22 12/28/2009	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-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	
Ethyltoluene, p-	1.6 J	2.5 U	2.0 U	2.0 U	2.0 U	2.0 U	0.59 J	1.1 J	1.2 J	0.98 U	0.98 U	0.98 U	2.0 U	2.0 U	
Heptane, n-	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	0.82 U	0.82 U	0.82 U	1.6 U	1.6 U
Hexachlorobutadiene	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	2.1 U	2.1 U	2.1 U	4.3 U	4.3 U	
Hexane, n-	1.8 U	1.8 U	0.42 J	0.77 J	1.4 U	1.4 U	1.4 U	1.4 U	0.79 J	0.45 J	0.28 J	0.42 J	1.4 U	1.4 U	
Hexanone, 2-	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	1.1	0.82 U	0.82 U	1.6 U	1.6 U	
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Indan	9.8	2.5	2.2	2.0	1.6 J	1.4 J	2.9	4.0	2.4	0.97 U	0.97 U	0.97 U	1.9 U	1.9 U	
Indene	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	0.95 U	0.95 U	0.95 U	1.9 U	1.9 U	
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methyl tert-butyl ether	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	0.72 U	0.72 UJ	0.72 UJ	1.4 U	1.4 U	
Methyl-2-pentanone, 4-	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	0.82 U	0.82 U	0.74 J	1.6 UJ	
Methylene chloride	4.3 U	4.3 U	3.5 U	3.4 U	0.97 J	3.5 U	3.5 U	3.5 U	3.5 U	0.34 J	1.7 UJ	1.5 J	3.5 U	0.97 J	
Methylnaphthalene, 1-	1.7 J	2.9 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	5.8 UJ	5.8 U	1.2 U	2.9 UJ	2.9 UJ	2.3 UJ	2.3 U	
Methylnaphthalene, 2-	2.5 J	2.9 U	0.93 J	2.3 U	2.3 U	2.3 U	1.3 J	5.8 UJ	5.8 U	1.2 U	2.9 UJ	2.9 UJ	2.3 U	2.3 U	
Methylthiophene, 2-	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	0.80 U	0.80 U	0.80 U	1.6 U	1.6 U	
Methylthiophene, 3-	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	0.80 U	0.80 U	0.80 U	1.6 U	1.6 U	
Naphthalene	3.1	1.2 J	1.5 J	0.73 J	2.1 U	0.63 J	2.2	2.0 U	0.93 J	1.0 U	0.37 J	0.26 J	2.1 U	2.1 U	
Nonane	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	1.0 U	1.0 U	1.0 U	2.1 U	2.1 U	
Octane, n-	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	1.6	0.75 J	0.70 J	1.9 U	1.9 U	
Pentane	1.5 U	1.5 U	1.2 U	1.2 U	1.1 J	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	
Propanol, 2-	3.0 U	3.0 U	2.5 U	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	
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Styrene	1.9 J	0.74 J	0.51 J	0.60 J	1.7 U	1.7 U	0.77 J	0.85 J	0.50 J	0.85 U	0.85 U	0.85 U	1.7 U	1.7 U	
t-Butyl alcohol	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	0.77	0.61 U	0.61 U	0.36 J	1.2 U	
Tetrachloroethane, 1,1,2,2-	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	1.4 U	1.4 U	1.4 U	2.7 U	2.7 U	
Tetrachloroethene	4.9	2.5 J	2.3 J	1.5 J	1.4 J	1.5 J	2.2 J	3.4	5.6	0.88 J	1.4	2.2	2.7 U	2.7 U	
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Tetramethylbenzene, 1,2,4,5-	11 J	2.5 J	2.4 J	1.6 J	0.88 J	1.2 J	4.9	6.2	6.2	0.45 J	0.27 J	1.1 U	2.2 U	2.2 U	
Thiophene	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	0.69 U	0.69 U	0.69 U	1.4 U	1.4 UJ	
Trans-1,2-dichloroethene	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	0.79 U	0.79 U	0.79 U	1.6 U	1.6 U	
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.8 U	3.8 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	1.0 J	0.48 J	0.54 J	0.69 J	3.1 U	3.1 U	
Trichlorobenzene, 1,2,4-	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	1.5 U	1.5 U	1.5 U	3.0 U	3.0 U	
Trichloroethane, 1,1,1-	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	1.1 U	1.1 U	1.1 U	2.2 U	2.2 U	
Trichloroethane, 1,1,2-	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	1.1 U	1.1 U	1.1 U	2.2 U	2.2 U	
Trichloroethene	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	1.1 U	1.1 U	1.1 U	2.2 U	2.2 U	
Trichlorofluoromethane	1.5 J	0.98 J	0.90 J	0.56 J	2.2 U	2.2 U	1.0 J	0.67 J	2.0 J	1.0 J	1.3	1.6	1.6 J	1.2 J	
Trimethylbenzene, 1,2,3-	5.6	1.5 J	1.3 J	1.2 J	0.79 J	0.79 J	2.2	3.1	3.0	0.98	0.49 J	0.44 J	2.0 U	2.0 U	
Trimethylbenzene, 1,2,4-	6.8	1.8 J	1.5 J	1.3 J	0.88 J	0.88 J	2.5	3.3	1.4 J	0.32 J	0.98 U	0.98 U	2.0 U	2.0 U	
Trimethylbenzene, 1,3,5-	2.1 J	2.5 U	2.0 U	0.49 J	2.0 U	2.0 U	0.69 J	1.1 J	0.72 J	0.38 J	0.29 J	0.29 J	2.0 U	2.0 U	
Trimethylpentane, 2,2,4-	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	0.37 J	0.93 U	0.93 U	1.9 U	1.9 U	
Undecane, n-	3.2 U	3.2 U	0.77 J	4.7	2.6	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	
Vinyl bromide	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	0.87 U	0.87 U	0.87 U	1.8 U	1.8 U	
Vinyl chloride	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	0.51 U	0.51 U	0.51 U	1.0 U	1.0 U	
Other (%)															
Carbon Dioxide	2.04	1.77	1.8	1.2	1.27	1.09	1.53	1.3	2.34	NA	NA	NA	NA	NA	
Helium	0.0155 U	0.00315 U	0.0152 U	0.0194 U	0.0166 U	0.0169 U	0.0181 U	0.0178 U	0.0179 U	NA	0.0157 U	0.019 U	0.00364 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:	Duplicate of: OU2SG-23 12/28/2009	OU2SG-23 3/18/2010	OU2SG-23 6/7/2010	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
BTEX (ug/m3)														
Benzene	1.3 U	1.3 U	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
Toluene	1.5 U	1.5 U	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
Ethylbenzene	1.7 U	1.7 U	1.7 U	0.26 J	0.26 J	0.39 J	0.87 U	0.87 U	0.87 U	0.87 U	0.25 J	0.87 U	0.87 U	0.87 U
Xylene, m,p-	3.5 U	3.5 U	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
Xylene, o-	1.7 U	1.7 U	1.7 U	0.32 J	0.3 J	0.48 J	0.87 U	0.87 U	0.87 U	0.87 U	0.37 J	0.31 J	0.25 J	0.30 J
Other VOCs (ug/m3)														
Acetaldehyde	9.0 U	4.5 J	3.6 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
Acetone	8.0 J	2.0 J	2.5 J	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
Acrolein (propenal)	2.3 UJ	2.3 U	2.3 U	1.2 U	0.63 U	0.39 J	0.34 J	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U
Allyl chloride	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	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 U	1.1 UJ	1.1 U	1.1 U	2.7 UJ	2.7 UJ
Bromodichloromethane	2.7 U	2.7 U	2.7 U	1.3 U	1.3 U	1.3 U	0.94 J	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	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	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-	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	0.44 UJ	0.44 UJ	0.44 U	0.44 U
Butane	0.95 U	0.95 U	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
Butanone, 2-	1.2 U	1.2 U	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
Carbon disulfide	1.2 U	1.2 U	1.2 U	0.51 J	1.1 U	0.75 U	0.44 U	0.25 J	0.18 J	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U
Carbon tetrachloride	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	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	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	0.59 J	2.0 U	1.0 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
Chloromethane	0.83 U	0.83 U	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
Chlorotoluene, 2-	2.1 U	2.1 U	2.1 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cryofluorane	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	1.4 UJ	1.4 U	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
Decane, n-	2.3 U	0.81 J	2.3 U	1.7	4.9	4.3	18	18	16	1.2	1.9	2.8	1.4	2.1
Dibromochloromethane	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-	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-	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-	2.4 U	2.4 U	2.4 U	0.59 J	1.3	1.0 J	1.1 J	0.43 J	0.31 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,4-	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	2.8	2.3	2.6	2.3	2.5	2.5	2.7	3.0	2.8	3.1	2.4	2.4	2.3	2.2
Dichloroethane, 1,1-	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	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethane, 1,2-	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	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethene, 1,1-	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-	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-	1.8 UJ	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	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	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-	1.4 UJ	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-	2.8 U	0.97 J	1.2 J	1.0 J	11 J	10 J	8.7	6.6	7.4	1.4 J	1.7 J	9.5 J	0.56 J	1.4 J
Ethanol	3.8 U	1.0 J	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
Ethylthiophene, 2-	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

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	Duplicate of: OU2SG-23 12/28/2009	OU2SG-23 3/18/2010	OU2SG-23 6/7/2010	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
Ethyltoluene, p-	2.0 U	2.0 U	2.0 U	0.98 U	0.98 U	0.25 J	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.35 J
Heptane, n-	1.6 U	1.6 U	1.6 U	0.82 UJ	0.82 U	0.82 U	0.57 J	0.82 U	0.82 U	0.82 U	0.82 UJ	0.82 UJ	0.82 U	0.26 J
Hexachlorobutadiene	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 UJ	2.1 UJ
Hexane, n-	1.4 U	1.4 U	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
Hexanone, 2-	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	2.0 U	2.0 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	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	0.97 U	0.97 U	0.97 U	0.97 U
Indene	1.9 U	1.9 U	1.9 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	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-	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	0.82 U	0.82 U	0.82 U	0.82 U
Methylene chloride	1.1 J	3.5 U	2.1 J	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
Methylnaphthalene, 1-	2.3 U	2.3 U	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
Methylnaphthalene, 2-	2.3 U	2.3 U	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
Methylthiophene, 2-	1.6 U	1.6 U	1.6 U	0.80 U	0.8 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Methylthiophene, 3-	1.6 U	1.6 U	1.6 U	0.80 U	0.8 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Naphthalene	2.1 U	2.1 U	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
Nonane	2.1 U	2.1 U	2.1 U	1.0 U	1 U	1.0 U	0.42 J	0.32 J	1.0 U	0.29 J	0.62 J	0.49 J	0.95 J	1.0 J
Octane, n-	1.9 U	1.9 U	1.9 U	0.97	1.6	1.5	80	42	26	0.93 U	0.93 J	0.42 J	0.93 U	0.29 J
Pentane	1.2 U	1.2 U	1.2 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.90	0.59 U	0.30 J	0.29 J
Propanol, 2-	2.5	2.5 U	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
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	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	0.85 U	0.85 U	0.85 U	0.85 U
t-Butyl alcohol	1.2 U	1.2 U	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
Tetrachloroethane, 1,1,2,2-	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	2.7 U	2.7 U	0.70 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
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	2.2 U	2.2 U	2.2 U	1.1 U	1.1 U	1.1 U	0.33 J	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.7 U	0.65 J
Thiophene	1.4 UJ	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	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-	3.1 U	3.1 U	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
Trichlorobenzene, 1,2,4-	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-	2.2 U	2.2 UJ	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-	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	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	1.4 J	1.2 J	1.5 J	1.3	1.5	1.5	1.5	1.6	1.6	1.9	1.4	1.4	1.4	1.2
Trimethylbenzene, 1,2,3-	2.0 U	2.0 U	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
Trimethylbenzene, 1,2,4-	2.0 U	2.0 U	2.0 U	0.98 U	0.98 U	0.98 U	0.34 J	0.32 J	0.27 J	0.98 U	0.30 J	0.42 J	0.46 J	0.76 J
Trimethylbenzene, 1,3,5-	2.0 U	2.0 U	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
Trimethylpentane, 2,2,4-	1.9 U	1.9 U	1.9 U	0.93 UJ	0.93 U	0.93 U	0.56 J	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	1.5	1.9
Undecane, n-	2.6 U	1.4 J	0.66 J	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
Vinyl bromide	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	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	0.0158 U	0.0186 U	0.0182 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

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG-24 2/18/2009	OU2SG-24 2/19/2009	OU2SG-24 2/20/2009	OU2SG-24 2/21/2009	OU2SG-24 2/27/2009	OU2SG-24 3/5/2009	OU2SG-24 3/13/2009	OU2SG-24 4/13/2009	OU2SG-24 5/22/2009	OU2SG-24 6/25/2009	OU2SG-24 7/23/2009	OU2SG-24 8/18/2009	OU2SG-24 9/22/2009	OU2SG-24 10/30/2009
BTEX (ug/m3)														
Benzene	0.33 J	0.20 J	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	1.6 U	1.3 U
Toluene	1.3	1.2	0.51 J	0.33 J	0.48 J	0.57 J	0.50 J	0.53 J	3.1	0.75 U	0.23 J	0.19 J	1.9 U	1.5 U
Ethylbenzene	0.28 J	0.38 J	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
Xylene, m,p-	0.74 J	1.2 J	0.43 J	0.48 J	0.68 J	0.50 J	0.76 J	0.56 J	1.6 J	1.7 U	1.7 U	1.7 U	4.3 U	3.5 U
Xylene, o-	0.36 J	0.45 J	0.87 U	0.87 U	0.37 J	0.87 U	0.87 U	0.87 U	0.77 J	0.87 U	0.87 U	0.87 U	2.2 U	1.7 U
Other VOCs (ug/m3)														
Acetaldehyde	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ	3.6 U	4.5 UJ	4.5 U	3.3 J	11 J	5.2 U	9.0 U
Acetone	1.2 UJ	5.0 U	3.7 U	4.2 U	1.2 UJ	5.7 U	4.6 J	1.8 U	8.1 U	2.1 U	2.5 U	16 J	4.7 U	3.6 U
Acrolein (propenal)	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	1.2 UJ	1.2 UJ	1.2 U	1.2 U	2.9 U	2.3 U
Allyl chloride	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	1.6 U	1.2 U
Benzothiophene	2.7 UJ	2.7 UJ	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
Bromodichloromethane	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	3.4 U	2.7 U
Bromoform	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	5.2 U	4.1 U
Bromomethane	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	1.9 U	1.6 U
Butadiene, 1,3-	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	1.1 U	0.88 U
Butane	1.8	2.6	0.91	0.70 J	1.0	1.4	0.76	0.48 U	2.1	0.53	0.48 U	0.48 U	1.2 U	2.4
Butanone, 2-	0.59 U	1.3	0.59 U	0.59 U	0.59 U	0.84	0.67	0.59 U	1.7	0.59 U	0.59 U	0.47 J	1.5 U	1.2 U
Carbon disulfide	0.62 U	0.62 U	0.62 U	0.31 J	0.62 U	0.62 U	1.8	0.62 U	0.62 U	0.21 J	0.62 U	0.62 UJ	1.6 U	1.2 U
Carbon tetrachloride	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	3.1 U	2.5 U
Chlorobenzene	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	2.3 U	1.8 U
Chloroethane	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	1.3 U	1.0 U
Chloroform	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	1.4	0.98 U	7.1	6.2	4.9	3.4	2.2
Chloromethane	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.11 J	0.14 J	0.10 J	0.15 J	0.41 U	0.12 J	0.41 U	1.0 U	0.37 J
Chlorotoluene, 2-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.6 U	2.1 U
Cryofluorane	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	3.5 U	2.8 U
Cyclohexane	1.0	0.31 J	0.69 U	0.55 J	0.95	0.83	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	1.7 U	1.4 U
Decane, n-	1.3	3.4	0.85 J	0.66 J	0.97 J	0.53 J	0.36 J	0.41 J	18	1.2 U	1.2 U	1.2 U	2.9 U	2.3 U
Dibromochloromethane	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	4.3 U	3.4 U
Dibromoethane, 1,2-	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.8 U	3.1 U
Dichlorobenzene, 1,2-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	3.0 U	2.4 U
Dichlorobenzene, 1,3-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	4.6	1.2 U	1.2 U	1.2 U	3.0 U	2.4 U
Dichlorobenzene, 1,4-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.93 J	1.2 U	1.2 U	1.2 U	3.0 U	2.4 U
Dichlorodifluoromethane	2.6	2.3	2.6	2.7	2.5	2.1	2.5	4.4	1.7	1.9	2.9	3.2	4.1	3.4
Dichloroethane, 1,1-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	2.0 U	1.6 U
Dichloroethane, 1,2-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 UJ	0.81 U	0.81 UJ	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	2.0 U	1.6 U
Dichloroethene, 1,1-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	2.0 U	1.6 U
Dichloroethene, cis-1,2-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	2.0 U	1.6 U
Dichloropropane, 1,2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	2.3 U	1.8 U
Dichloropropene, cis-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	2.3 U	1.8 U
Dichloropropene, trans-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	2.3 U	1.8 U
Dioxane, 1,4-	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 UJ	0.72 UJ	0.72 U	0.72 U	1.8 U	1.4 U
Dodecane, n-	3.5 U	5.3 J	0.36 J	3.5 U	0.72 J	1.4 U	0.38 J	0.42 J	12	0.68 J	1.4 U	1.4 UJ	3.5 U	2.8 U
Ethanol	0.85 J	3.8 J	1.5 J	1.7 J	0.77 J	1.8 J	0.86 J	0.79 J	46	3.3	1.2 J	1.9 U	4.7 U	1.6 J
Ethylthiophene, 2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	2.3 U	1.8 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG-24 2/18/2009	OU2SG-24 2/19/2009	OU2SG-24 2/20/2009	OU2SG-24 2/21/2009	OU2SG-24 2/27/2009	OU2SG-24 3/5/2009	OU2SG-24 3/13/2009	OU2SG-24 4/13/2009	OU2SG-24 5/22/2009	OU2SG-24 6/25/2009	OU2SG-24 7/23/2009	OU2SG-24 8/18/2009	OU2SG-24 9/22/2009	OU2SG-24 10/30/2009
Ethyltoluene, p-	0.98 U	0.98 U	0.98 U	0.98 U	0.26 J	0.98 U	0.98 U	0.98 U	0.42 J	0.98 U	0.98 U	0.98 U	2.5 U	2.0 U
Heptane, n-	0.80 J	0.22 J	0.82 U	0.30 J	0.27 J	0.70 J	0.82 U	0.82 U	0.52 J	0.82 U	0.82 U	0.82 U	2.0 U	1.6 U
Hexachlorobutadiene	2.1 UJ	2.1 UJ	2.1 U	2.1 U	2.1 UJ	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	5.3 U	4.3 U
Hexane, n-	0.62 J	0.27 J	0.70 U	0.21 J	0.18 J	0.85	0.70 U	0.70 U	0.49 J	0.70 U	0.70 U	0.70 U	1.8 U	1.4 U
Hexanone, 2-	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.82 U	2.0 U	0.82 U	0.82 U	0.82 U	0.82 UJ	0.82 U	2.0 U	1.6 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.43 J	0.97 U	0.97 U	0.97 U	2.4 U	1.9 U
Indene	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	2.4 U	1.9 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	1.8 U	1.4 U
Methyl-2-pentanone, 4-	0.82 U	1.6	0.82 U	0.82 U	0.82 U	1.3 J	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	2.0 U	1.6 U
Methylene chloride	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	0.69 U	1.7 U	1.7 U	1.7	2.6 U	1.7 U	0.94 J	1.1 J	3.5 U
Methylnaphthalene, 1-	R	2.9 UJ	2.9 UJ	2.9 U	2.9 UJ	1.2 UJ	2.9 UJ	5.8 U	0.63 J	1.2 U	1.2 U	1.2 UJ	2.9 U	2.3 U
Methylnaphthalene, 2-	2.9 UJ	2.9 UJ	2.9 U	2.9 U	2.9 UJ	1.2 UJ	2.9 UJ	5.8 U	0.77 J	1.2 U	1.2 U	1.2 UJ	2.9 U	2.3 UJ
Methylthiophene, 2-	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	2.0 U	1.6 U
Methylthiophene, 3-	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	2.0 U	1.6 U
Naphthalene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.3 U	1.0 U	0.37 J	1.0 U	2.6 U	2.1 U
Nonane	0.86 J	0.59 J	1.0 U	0.51 J	1.2	0.38 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.6 U	2.1 U
Octane, n-	1.4	0.99	0.44 J	1.1	0.93 U	0.59 J	0.93 U	0.93 U	50	0.93 U	0.93 U	0.93 U	2.3 U	1.9 U
Pentane	0.72	0.59 U	0.21 J	0.59 U	0.59 U	1.1	0.49 J	0.59 U	0.65	0.59 U	0.59 U	0.59 U	1.5 U	0.41 J
Propanol, 2-	1.2 UJ	1.2 J	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ	0.44 J	3.0 U	1.2 U	1.2 U	1.2 U	3.0 U	2.5 U
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.43 J	0.85 U	0.85 U	0.85 U	2.1 U	1.7 U
t-Butyl alcohol	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	1.5 U	0.61 U	0.61 U	0.31 J	0.61 U	0.61 U	0.61 U	1.5 U	1.2 U
Tetrachloroethane, 1,1,2,2-	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	3.4 U	2.7 U
Tetrachloroethene	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.34 J	0.83 J	1.7	1.8	1.5	1.4 J	2.7 U
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	0.32 J	2.7 U	2.7 U	2.7 UJ	2.7 UJ	1.1 U	2.7 U	5.5 U	0.50 J	1.1 U	1.1 UJ	1.1 U	2.7 UJ	2.2 UJ
Thiophene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	1.7 U	1.4 U
Trans-1,2-dichloroethene	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	2.0 U	1.6 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	1.3 J	1.5 U	0.39 J	0.38 J	0.39 J	0.40 J	0.81 J	0.61 J	1.5 U	0.74 J	0.61 J	0.46 J	3.8 U	3.1 U
Trichlorobenzene, 1,2,4-	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.7 U	3.0 U
Trichloroethane, 1,1,1-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.7 U	2.2 U
Trichloroethane, 1,1,2-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.7 U	2.2 U
Trichloroethene	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	0.68 J	1.1 U	1.9	2.7 U	2.2 U
Trichlorofluoromethane	1.4	1.2	1.4	1.4	1.4	1.5	1.8 J	1.6	0.76 J	1.6	1.6	1.5	1.4 J	1.2 J
Trimethylbenzene, 1,2,3-	0.43 J	0.27 J	0.98 U	0.98 U	0.31 J	0.98 U	0.98 U	0.98 U	0.71 J	0.98 U	0.98 U	0.98 U	2.5 U	2.0 U
Trimethylbenzene, 1,2,4-	0.51 J	0.73 J	0.98 U	0.98 U	0.44 J	0.98 U	0.98 U	0.98 U	1.7	0.98 U	0.98 U	0.98 U	2.5 U	2.0 U
Trimethylbenzene, 1,3,5-	0.32 J	0.98 U	0.98 U	0.98 U	0.32 J	0.98 U	0.98 U	0.98 U	0.69 J	0.98 U	0.98 U	0.98 U	2.5 U	2.0 U
Trimethylpentane, 2,2,4-	2.3	4.4	2.0	1.7	0.93 U	0.93 U	1.8	0.93 U	5.6	0.93 U	0.93 U	0.93 U	2.3 U	1.9 U
Undecane, n-	0.65 J	2.0	0.45 J	1.3 U	0.49 J	1.3 U	0.41 J	0.51 J	3.6	1.3 U	1.3 U	1.3 U	3.2 U	2.6 U
Vinyl bromide	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	2.2 U	1.8 U
Vinyl chloride	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	1.3 U	1.0 U
Other (%)														
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	2.09	14.3	5.18	4.11	3.62	2.56	2.11
Helium	0.017	0.0167 U	0.0148	0.017	0.0216	0.0164	0.0202 U	0.0218	0.0188 U	0.0211	0.0254 U	0.0218 U	0.0166 U	0.00352 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG-24 11/11/2009	OU2SG-24 12/28/2009	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-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
BTEX (ug/m3)														
Benzene	1.3 U	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
Toluene	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	0.45 J	1.5 U	30	9.9	8.4	0.66 J	1.0 J	0.44 J	0.23 J
Ethylbenzene	1.7 U	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
Xylene, m,p-	3.5 U	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
Xylene, o-	1.7 U	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
Other VOCs (ug/m3)														
Acetaldehyde	9.0 U	9.0 U	9.0 U	9.0 U	3.4 J	12	9.4	18 U	1.8 UJ	9.0 UJ	4.5 UJ	4.5 UJ	4.5 UJ	2.4 U
Acetone	3.8	1.5 J	4.8 U	1.0 J	2.0 J	8.0	4.3 J	4.8 UJ	0.47 UJ	2.4 U	1.2 UJ	1.2 UJ	1.2 UJ	1.4 U
Acrolein (propenal)	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	4.6 U	0.22 J	2.3 U	0.46 U	0.46 U	0.46 U	0.46 U
Allyl chloride	1.2 U	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
Benzothiophene	2.2 UJ	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	11 U	1.1 U	5.5 U	1.1 UJ	1.1 U	1.1 U	2.7 UJ
Bromodichloromethane	2.7 U	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
Bromoform	4.1 U	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
Bromomethane	1.6 U	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
Butadiene, 1,3-	0.88 U	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
Butane	0.62 J	2.2	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	2200	1100 J	1600 J	62	1.8	1.9	0.48
Butanone, 2-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.77 J	1.2 U	31	2.3	2.6 J	0.59 U	0.59 U	0.59 U	0.26 J
Carbon disulfide	1.2 U	1.1 J	1.2 U	1.2 U	1.2 U	1.2 U	1.8	5.6 U	0.82	1.4 J	0.62 U	0.62 U	0.62 U	0.62 U
Carbon tetrachloride	2.5 U	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
Chlorobenzene	1.8 U	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
Chloroethane	1.0 U	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
Chloroform	2.0 U	0.98 J	0.59 J	0.68 J	1.2 J	2.9	7.0	9.8 U	0.98 U	4.9 U	0.98 U	0.98 U	0.98 U	1.1
Chloromethane	0.58 J	0.83 U	0.25 J	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
Chlorotoluene, 2-	2.1 U	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
Cryofluorane	2.8 U	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
Cyclohexane	1.4 U	1.4 UJ	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
Decane, n-	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	210	18	14	2.5	2.8	5.1	0.96 J
Dibromochloromethane	3.4 U	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
Dibromoethane, 1,2-	3.1 U	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
Dichlorobenzene, 1,2-	2.4 U	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
Dichlorobenzene, 1,3-	2.4 U	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
Dichlorobenzene, 1,4-	2.4 U	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
Dichlorodifluoromethane	1.1 J	6.1	3.8	4.4	4.0	3.8	3.8	9.9 U	0.73 J	4.9 U	1.5	1.9	2.1	2.5
Dichloroethane, 1,1-	1.6 U	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
Dichloroethane, 1,2-	1.6 U	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
Dichloroethene, 1,1-	1.6 U	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
Dichloroethene, cis-1,2-	1.6 U	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
Dichloropropane, 1,2-	1.8 U	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
Dichloropropene, cis-1,3	1.8 U	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
Dichloropropene, trans-1,3	1.8 U	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
Dioxane, 1,4-	1.4 U	1.4 UJ	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
Dodecane, n-	0.70 J	1.2 J	2.8 U	2.8 U	1.1 J	2.8 U	2.8 U	98	7.6 J	9.6	0.49 J	1.6 J	5.6 J	1.1 J
Ethanol	3.8 U	2.3 J	3.8 U	3.8 U	1.4 J	0.98 J	3.4 J	23	4.3	6.9 J	4.4	2.6 U	2.1 U	0.99 J
Ethylthiophene, 2-	1.8 U	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

Table 5-1
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Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG-24 11/11/2009	OU2SG-24 12/28/2009	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-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
Ethyltoluene, p-	2.0 U	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
Heptane, n-	1.6 U	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
Hexachlorobutadiene	4.3 U	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
Hexane, n-	1.4 U	0.70 J	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
Hexanone, 2-	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	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
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	1.9 U	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
Indene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	9.5 U	0.95 U	4.8 U	0.95 U	0.95 U	0.95 U	0.95 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	1.4 U	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
Methyl-2-pentanone, 4-	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	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
Methylene chloride	1.3 J	3.5 U	0.90 J	3.5 U	3.5 U	3.5 U	3.5 U	6.9 U	6.9 UJ	0.69 U	3.4 U	1.7 U	0.69 U	1.7 U
Methylnaphthalene, 1-	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	5.8 U	5.8 U	12 U	0.34 J	5.8 UJ	R	1.2 UJ
Methylnaphthalene, 2-	2.3 UJ	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	5.8 UJ	5.8 U	12 U	0.41 J	5.8 U	14 UJ	1.2 U
Methylthiophene, 2-	1.6 U	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
Methylthiophene, 3-	1.6 U	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
Naphthalene	2.1 U	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
Nonane	2.1 U	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
Octane, n-	1.9 U	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
Pentane	1.2 U	1.2	0.47 J	1.2 U	1.2 U	1.2 U	1.2 U	420	130 J	200 J	2.9	1.1	0.79	0.27 J
Propanol, 2-	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	6.9 U	1.7 J	2.5 U	0.49 U	0.49 UJ	0.49 UJ	0.52 J
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	1.7 U	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
t-Butyl alcohol	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	6.1 UJ	0.61 U	3.0 U	0.61 U	1.5 U	1.5 U	0.61 U
Tetrachloroethane, 1,1,2,2-	2.7 U	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
Tetrachloroethene	0.68 J	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.3 J	2.0 J	14 U	0.66 J	6.8 U	1.4 U	1.4 U
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	2.2 UJ	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
Thiophene	1.4 U	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
Trans-1,2-dichloroethene	1.6 U	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
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.1 U	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
Trichlorobenzene, 1,2,4-	3.0 U	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
Trichloroethane, 1,1,1-	2.2 U	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
Trichloroethane, 1,1,2-	2.2 U	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
Trichloroethene	2.2 U	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
Trichlorofluoromethane	1.0 J	1.2 J	1.1 J	1.1 J	1.6 J	1.8 J	1.5 J	11 U	1.1 U	5.6 U	0.80 J	1.3	1.4	1.1 J
Trimethylbenzene, 1,2,3-	2.0 U	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
Trimethylbenzene, 1,2,4-	2.0 UJ	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
Trimethylbenzene, 1,3,5-	2.0 U	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
Trimethylpentane, 2,2,4-	1.9 U	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
Undecane, n-	0.89 J	2.6 U	2.6 U	2.6 U	2.3 J	2.6 U	2.6 U	79	1.3 UJ	6.4 UJ	0.58 J	1.6	8.9	0.89 J
Vinyl bromide	1.8 U	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
Vinyl chloride	1.0 U	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
Other (%)														
Carbon Dioxide	12.6	0.87	1.17	1.33	1.99	3.02	2.92	NA	NA	NA	NA	NA	NA	NA
Helium	0.0171 U	0.0174 U	0.0179 U	0.017 U	0.0179 U	0.0179 U	0.0167 U	0.0164 U	0.0186 U	0.0171 U	0.0179	0.49	0.0154	0.0172

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG- 25P 2/17/2009	OU2SG-25 2/18/2009	OU2SG-25 2/19/2009	OU2SG-25 2/20/2009	OU2SG-25 2/21/2009	OU2SG-25 2/27/2009	OU2SG-25 3/5/2009	OU2SG-25 3/13/2009	OU2SG-25 4/13/2009	OU2SG-25 5/22/2009	OU2SG-25 6/25/2009	OU2SG-25 7/23/2009	OU2SG-25 8/18/2009	OU2SG-25 9/22/2009
BTEX (ug/m3)														
Benzene	0.64 U	0.19 J	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	1.3 U	0.64 U	0.64 U	0.65 U	6.4 U	6.4 U	1.6 U
Toluene	0.38 J	0.30 J	0.75 U	0.75 U	0.22 J	0.75 U	0.23 J	1.5 U	0.75 U	0.21 J	1.7	7.5 U	7.5 U	0.56 J
Ethylbenzene	0.87 U	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
Xylene, m,p-	0.38 J	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	3.5 U	1.7 U	1.7 U	1.4 J	17 U	17 U	4.3 U
Xylene, o-	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	1.7 U	0.87 U	0.87 U	0.46 J	8.7 U	8.7 U	2.2 U
Other VOCs (ug/m3)														
Acetaldehyde	3.8 J	2.6 U	2.1 U	3.8 U	3.3 U	2.7 U	2.0 U	3.6 U	3.6 UJ	4.5 U	4.5 UJ	45 UJ	45 UJ	4.5 UJ
Acetone	1.6 U	1.6 U	1.4 U	2.3 U	2.0 U	1.3 U	2.0 U	2.4 U	1.8 U	2.3 U	1.8 UJ	12 U	38 J	3.4 U
Acrolein (propenal)	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.92 U	0.46 U	1.2 UJ	1.2 UJ	11 U	11 U	2.9 U
Allyl chloride	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	1.2 U	0.63 U	0.63 U	0.63 U	6.3 U	6.3 U	1.6 U
Benzothiophene	2.7 UJ	2.7 UJ	2.7 UJ	2.7 U	2.7 U	2.7 U	1.1 U	5.5 UJ	14 UJ	1.1 U	1.1 U	11 UJ	11 UJ	2.7 U
Bromodichloromethane	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	2.7 U	1.3 U	1.3 U	1.3 U	13 U	13 U	3.4 U
Bromoform	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.1 U	2.1 U	2.1 U	2.1 U	21 U	21 U	5.2 U
Bromomethane	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	1.6 U	0.78 U	0.78 U	0.78 U	7.8 U	7.8 U	1.9 U
Butadiene, 1,3-	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.88 U	0.44 U	0.44 U	0.44 U	4.4 U	4.4 U	1.1 U
Butane	0.20 J	0.39 J	0.31 J	0.39 J	0.66 J	0.25 J	0.27 J	0.39 J	0.71	0.34 J	220	4.3 J	3.1 J	2.4
Butanone, 2-	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	1.2 U	0.59 U	0.59 U	1.8	5.9 U	2.6 J	1.5 U
Carbon disulfide	0.62 U	0.62 U	0.62 U	1.6	0.62 U	1.7	0.62 U	1.2 U	0.62 U	0.62 U	2.0	6.2 U	6.2 UJ	1.9 U
Carbon tetrachloride	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	2.5 U	1.3 U	1.3 U	1.3 U	13 U	13 U	3.1 U
Chlorobenzene	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	0.92 U	0.92 U	0.92 U	9.2 U	9.2 U	2.3 U
Chloroethane	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	1.0 U	0.53 U	0.53 U	0.53 U	5.3 U	5.3 U	1.3 U
Chloroform	0.85 J	0.96 J	0.90 J	0.88 J	0.84 J	1.4	0.85 J	0.78 J	0.98 U	3.4 J	0.98 U	9.8 U	9.8 U	1.2 J
Chloromethane	0.12 J	0.41 U	0.12 J	0.19 J	0.14 J	0.16 J	0.17 J	0.83 U	0.41 U	0.12 J	0.44	4.1 U	2.9 J	1.6
Chlorotoluene, 2-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.1 U	1.0 U	1.0 U	1.0 U	10 U	10 U	2.6 U
Cryofluorane	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	2.8 U	1.4 U	1.4 U	1.4 U	14 U	14 U	3.5 U
Cyclohexane	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	1.4 U	0.38 J	0.69 U	19	6.9 U	6.9 U	1.7 U
Decane, n-	1.2	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
Dibromochloromethane	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	3.4 U	1.7 U	1.7 U	1.7 U	17 U	17 U	4.3 U
Dibromoethane, 1,2-	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.1 U	1.5 U	1.5 U	1.5 U	15 U	15 U	3.8 U
Dichlorobenzene, 1,2-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	2.4 U	1.2 U	1.2 U	1.2 U	12 U	12 U	3.0 U
Dichlorobenzene, 1,3-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	2.4 U	1.2 U	1.2 U	0.94 J	12 U	12 U	3.0 U
Dichlorobenzene, 1,4-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	2.4 U	1.2 U	1.2 U	0.42 J	12 U	12 U	3.0 U
Dichlorodifluoromethane	2.6	2.6	2.8	3.0	3.0	3.1	2.8	3.5	2.2 J	2.5 J	0.81 J	9.9 U	9.9 U	1.7 J
Dichloroethane, 1,1-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	1.6 U	0.81 U	0.81 U	0.81 U	8.1 U	8.1 U	2.0 U
Dichloroethane, 1,2-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 UJ	0.81 U	1.6 UJ	0.81 U	0.81 U	0.81 U	8.1 U	8.1 U	2.0 U
Dichloroethene, 1,1-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	0.79 U	0.79 U	0.79 U	7.9 U	7.9 U	2.0 U
Dichloroethene, cis-1,2-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	0.79 U	0.79 U	0.79 U	7.9 U	7.9 U	2.0 U
Dichloropropane, 1,2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	0.92 U	0.92 U	0.92 U	9.2 U	9.2 U	2.3 U
Dichloropropene, cis-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	1.8 U	0.91 U	0.91 U	0.91 U	9.1 U	9.1 U	2.3 U
Dichloropropene, trans-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	1.8 U	0.91 U	0.91 U	0.91 U	9.1 U	9.1 U	2.3 U
Dioxane, 1,4-	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	1.4 U	0.72 U	0.72 UJ	0.72 UJ	7.2 U	7.2 U	1.8 U
Dodecane, n-	0.82 J	0.65 J	1.8 J	0.67 J	1.2 J	1.1 J	0.47 J	7.0 U	0.56 J	1.4 U	6.7	14 U	14 UJ	3.5 U
Ethanol	1.6 J	1.2 J	1.7 J	0.97 J	1.2 J	1.9 J	1.2 J	1.0 J	1.9 U	1.9 U	26	19 U	7.0 J	4.7 U
Ethylthiophene, 2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	0.92 U	0.92 U	0.92 U	9.2 U	9.2 U	2.3 U

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Sample Name: Sample Date:	OU2SG-25P 2/17/2009	OU2SG-25 2/18/2009	OU2SG-25 2/19/2009	OU2SG-25 2/20/2009	OU2SG-25 2/21/2009	OU2SG-25 2/27/2009	OU2SG-25 3/5/2009	OU2SG-25 3/13/2009	OU2SG-25 4/13/2009	OU2SG-25 5/22/2009	OU2SG-25 6/25/2009	OU2SG-25 7/23/2009	OU2SG-25 8/18/2009	OU2SG-25 9/22/2009
Ethyltoluene, p-	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	2.0 U	0.98 U	0.98 U	0.33 J	9.8 U	9.8 U	2.5 U
Heptane, n-	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 UJ	1.6 U	0.82 U	0.82 U	3.3	8.2 U	8.2 U	2.0 U
Hexachlorobutadiene	2.1 UJ	2.1 UJ	2.1 UJ	2.1 U	2.1 U	2.1 UJ	2.1 U	4.3 U	2.1 U	2.1 U	2.1 U	21 U	21 U	5.3 U
Hexane, n-	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	1.4 U	0.70 U	0.70 U	13	7.0 U	7.0 U	0.62 J
Hexanone, 2-	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.82 U	4.1 U	0.82 U	0.82 U	0.82 U	8.2 UJ	8.2 U	2.0 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	1.9 U	0.97 U	0.97 U	0.97 U	9.7 U	9.7 U	2.4 U
Indene	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	1.9 U	0.95 U	0.95 U	0.95 U	9.5 U	9.5 U	2.4 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	1.4 U	0.72 U	0.72 U	0.72 U	7.2 U	7.2 U	1.8 U
Methyl-2-pentanone, 4-	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 UJ	1.6 U	0.82 U	0.82 U	0.82 U	8.2 U	8.2 U	2.0 U
Methylene chloride	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	0.69 U	3.5 U	1.7 U	1.6 J	1.7 U	17 U	4.5 J	2.6 J
Methylnaphthalene, 1-	R	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
Methylnaphthalene, 2-	2.9 UJ	2.9 UJ	2.9 UJ	0.48 J	2.9 U	2.9 UJ	1.2 UJ	5.8 UJ	5.8 U	1.2 U	0.43 J	12 U	12 UJ	2.9 U
Methylthiophene, 2-	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	1.6 U	0.80 U	0.80 U	0.80 U	8.0 U	8.0 U	2.0 U
Methylthiophene, 3-	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	1.6 U	0.80 U	0.80 U	0.80 U	8.0 U	8.0 U	2.0 U
Naphthalene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.1 U	1.0 U	1.0 U	1.0 J	10 U	10 U	2.6 U
Nonane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.1 U	1.0 U	1.0 U	1.0 U	10 U	10 U	2.6 U
Octane, n-	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	1.9 U	0.93 U	0.93 U	37	9.3 U	9.3 U	2.3 U
Pentane	0.17 J	0.28 J	0.59 U	0.59 U	1.0	0.59 U	0.19 J	1.2 U	0.56 J	0.33 J	40	5.9 U	3.5 J	1.8
Propanol, 2-	1.2 U	0.75 J	1.2 U	1.3	0.84 J	1.2 U	1.2 U	2.5 U	0.49 UJ	1.2 U	1.7 U	12 U	12 U	3.0 U
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	1.7 U	0.85 U	0.85 U	9.4	8.5 U	8.5 U	2.1 U
t-Butyl alcohol	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	1.5 U	1.2 U	0.61 U	0.61 U	0.37 J	6.1 U	6.1 U	1.5 U
Tetrachloroethane, 1,1,2,2-	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	2.7 U	1.4 U	1.4 U	1.4 U	14 U	14 U	3.4 U
Tetrachloroethene	1.4 U	0.41 J	1.4 U	1.4 U	1.4 U	0.42 J	1.4 U	2.7 U	1.4 U	0.67 J	0.67 J	14 U	14 U	1.2 J
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	2.7 U	2.7 U	2.7 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
Thiophene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	1.4 U	0.69 U	0.69 U	0.69 U	6.9 U	6.9 U	1.7 U
Trans-1,2-dichloroethene	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	0.79 U	0.79 U	0.79 U	7.9 U	7.9 U	2.0 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	0.53 J	0.54 J	0.51 J	0.58 J	0.62 J	0.57 J	0.60 J	3.1 U	0.38 J	0.74 J	1.5 U	15 U	15 U	3.8 U
Trichlorobenzene, 1,2,4-	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.0 U	1.5 U	1.5 U	1.5 U	15 U	15 U	3.7 U
Trichloroethane, 1,1,1-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	1.1 U	1.1 U	1.1 U	11 U	11 U	2.7 U
Trichloroethane, 1,1,2-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	1.1 U	1.1 U	1.1 U	11 U	11 U	2.7 U
Trichloroethene	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	1.1 U	1.1 U	1.1 U	11 U	11 U	2.7 U
Trichlorofluoromethane	1.1 J	1.1 J	1.2	1.4	1.4	1.3	1.2	1.3 J	1.2	2.0 J	1.1 U	11 U	11 U	1.4 J
Trimethylbenzene, 1,2,3-	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	2.0 U	0.98 U	0.98 U	0.65 J	9.8 U	9.8 U	2.5 U
Trimethylbenzene, 1,2,4-	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	2.0 U	0.98 U	0.98 U	1.7	9.8 U	9.8 U	2.5 U
Trimethylbenzene, 1,3,5-	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	2.0 U	0.98 U	0.98 U	0.86 J	9.8 U	9.8 U	2.5 U
Trimethylpentane, 2,2,4-	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	1.9 U	0.79 J	0.93 U	0.93 UJ	14	9.3 U	2.3 U
Undecane, n-	0.36 J	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
Vinyl bromide	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	1.8 U	0.87 U	0.87 U	0.87 U	8.7 U	8.7 U	2.2 U
Vinyl chloride	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	1.0 U	0.51 U	0.51 U	0.51 U	5.1 U	5.1 U	1.3 U
Other (%)														
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	10.7	3.31	16.7	20.4	20.5	16.7
Helium	0.0209	0.0163	0.0222 U	0.0185	0.015	0.028	0.0147	0.0202 U	0.0225	0.0234 U	0.0187	0.0196 U	0.0183 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:	OU2SG-25 10/30/2009	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-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/m3)														
Benzene	1.3 U	1.3 U	0.38 J	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	0.35 J	0.29 J	0.64 U	0.64	0.30 J	0.28 J
Toluene	1.5 U	1.5 U	0.60 J	0.60 J	1.5 U	0.68 J	0.45 J	0.51 J	0.49 J	0.26 J	1.7	11	4.0 J	5.2 J
Ethylbenzene	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-	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	0.95 J	3.5 U	3.5 U	0.30 J	0.26 J	8.6	44	39 J	56 J
Xylene, o-	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	0.52 J	1.7 U	1.7 U	0.87 U	0.87 U	3.2	46	29	32
Other VOCs (ug/m3)														
Acetaldehyde	9.0 UJ	9.0 U	9.0 U	9.0 U	9.0 U	9.0 U	9.0 UJ	20 J	26 J	37 J	9.7 J	3.2 J	5.8 U	5.0 U
Acetone	3.6 UJ	1.8 J	1.8 J	4.8 U	1.8 J	2.3 J	2.8 J	6.6 J	9.0 J	6.6 J	6.2	3.0 U	2.7 U	2.5 U
Acrolein (propenal)	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	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	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	1.1 U	1.1 U	1.1 UJ	1.1 U	1.1 U
Bromodichloromethane	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	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	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-	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	0.95 U	1.3	0.95 U	0.57 J	0.95 U	0.67 J	0.95	2.4	2.8	2.8	0.48 U	0.28 J	0.29 J	0.24 J
Butanone, 2-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	2.4 J	1.6 J	1.6	0.59 U	0.59 U	0.59 U
Carbon disulfide	1.2 U	1.2 U	0.37 J	1.2 U	1.2 U	0.56 J	1.2 U	2.0	1.5	1.5	0.34 J	1.2	0.63 J	0.39 J
Carbon tetrachloride	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	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	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	2.0 U	2.4	2.0 U	2.0 U	2.0 U	0.68 J	1.3 J	2.5	120	130	28	3.0	1.6	2.0
Chloromethane	0.83 U	0.83 U	1.3	1.3	1.2	2.0	3.0	13	0.60	0.64	0.31 J	0.20 J	0.41 U	0.41 U
Chlorotoluene, 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	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cryofluorane	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	1.4 U	1.4 U	1.4 UJ	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.17 J	0.69 U	0.69 U	0.28 J	0.69 U	0.69 U
Decane, n-	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	0.85 J	20	20	80	340	160	190
Dibromochloromethane	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-	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-	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-	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-	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	2.0 U	4.7	2.0	1.9 J	2.2	2.4	2.5	1.8 J	3.1	3.3	2.8	2.8	2.4	2.5
Dichloroethane, 1,1-	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.44 J	0.44 J	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethane, 1,2-	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-	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-	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-	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	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	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-	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	0.72 U	0.72 U	0.72 U	0.72 U
Dodecane, n-	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	1.7 J	2.8 U	1.8 J	13 J	12	28	24 J	22 J	24 J
Ethanol	1.4 J	3.8 U	3.8 U	3.8 U	3.8 U	3.4 J	4.0	1.5 J	8.6 J	5.7 J	12	4.6	2.4 U	2.9 U
Ethylthiophene, 2-	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

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG-25 10/30/2009	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-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
Ethyltoluene, p-	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-	1.6 U	0.49 J	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	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
Hexane, n-	1.4 U	0.70 J	0.63 J	1.4 U	1.4 U	0.35 J	0.42 J	1.2 J	0.25 J	0.70 U	0.70 U	0.22 J	0.70 UJ	0.70 UJ
Hexanone, 2-	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	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	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	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 UJ	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	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-	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 UJ	1.6 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Methylene chloride	3.5 U	1.9 J	3.5 U	3.5 U	3.5 U	3.5 U	1.6 J	2.4 J	0.62 UJ	0.69 UJ	0.69 UJ	1.7 U	0.69 U	0.69 U
Methylnaphthalene, 1-	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 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-	2.3 UJ	2.3 UJ	2.3 U	2.3 U	2.3 U	2.3 U	5.8 UJ	5.8 U	1.2 U	1.2 U	1.2 U	14 UJ	2.3	1.2
Methylthiophene, 2-	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-	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	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	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-	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	1.2 U	0.94 J	1.2 U	0.88 J	1.2 U	1.0 J	1.7	4.0	0.74	0.50 J	0.59 U	0.59 U	0.59 U	0.59 U
Propanol, 2-	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-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	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	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-	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	0.68 J	0.68 J	2.7 U	2.7 U	2.7 U	8.5	0.81 J	3.0	6.0	6.0	3.2	2.2	0.79 J	1.1 J
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	2.2 UJ	2.2 UJ	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	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	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-	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	0.77 J	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-	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-	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-	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	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	2.2 U	1.6 J	1.1 J	1.1 J	1.2 J	1.4 J	1.6 J	1.4 J	2.2	2.2	2.1	1.6	1.2	1.1 J
Trimethylbenzene, 1,2,3-	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.69 J	2.0 U	2.0 U	0.25 J	0.25 J	4.6	52	72	78
Trimethylbenzene, 1,2,4-	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 U	1.7 J	2.0 U	2.0 U	0.49 J	0.54 J	12	110	51	64
Trimethylbenzene, 1,3,5-	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.98 U	0.98 U	3.9	130	69	72
Trimethylpentane, 2,2,4-	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-	2.6 U	0.89 J	2.6 U	2.6 U	2.6 U	1.0 J	2.6 U	2.6 U	1.3 U	1.3 U	22	160	94	79
Vinyl bromide	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	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	15.3	2.06	12.2	8.2	7.61	10.9	13.2	17.8	NA	NA	NA	NA	NA	NA
Helium	0.00368 U	0.0164 U	0.0152 U	0.0187 U	0.0148 U	0.0172 U	0.0182 U	0.0182 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:	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/m3)														
Benzene	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	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	1.8	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-	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-	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/m3)														
Acetaldehyde	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	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)	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	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
Benzothiophene	1.1 U	2.7 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	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
Butadiene, 1,3-	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	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-	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	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	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Chlorobenzene	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Chloroethane	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U
Chloroform	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	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-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cryofluorane	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Cyclohexane	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-	160	38	34	41	14	18	10	3.2	20	10 J	0.92 J	33	29	350
Dibromochloromethane	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dibromoethane, 1,2-	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Dichlorobenzene, 1,2-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,3-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,4-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorodifluoromethane	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-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethane, 1,2-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 UJ	0.81 U	0.81 UJ	0.81 UJ	0.81 U	0.81 U
Dichloroethene, 1,1-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.37 J	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloroethene, cis-1,2-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloropropane, 1,2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Dichloropropene, cis-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dichloropropene, trans-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dioxane, 1,4-	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 UJ
Dodecane, n-	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	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-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	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
Ethyltoluene, p-	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-	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	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
Hexane, n-	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-	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	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	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Methyl-2-pentanone, 4-	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 UJ	0.82 UJ	0.82 U	0.82 U	0.70 J
Methylene chloride	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-	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-	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-	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Methylthiophene, 3-	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Naphthalene	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	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-	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	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-	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-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.85 U	0.85 U	0.85 U	0.25 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	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-	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Tetrachloroethene	0.36 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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	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	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Trans-1,2-dichloroethene	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	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-	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Trichloroethane, 1,1,1-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	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-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	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	0.39 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	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-	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-	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-	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-	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-	140	57	78	76	50 J	68 J	24	8.0	21	7.6 J	1.3 UJ	20	21	180
Vinyl bromide	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl chloride	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Other (%)														
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.48	5.3
Helium	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:	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/m3)														
Benzene	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	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	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-	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-	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/m3)														
Acetaldehyde	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	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)	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	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	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	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	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	0.78 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-	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	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-	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	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	1.3 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	0.92 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	0.53 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	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	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-	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	1.4 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	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-	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	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-	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-	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-	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-	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	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-	0.81 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-	0.81 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-	0.79 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-	0.79 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-	0.92 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	0.91 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	0.91 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-	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-	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	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-	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

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	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
Ethyltoluene, p-	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-	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	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
Hexane, n-	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-	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	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	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	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-	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	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-	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-	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-	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-	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	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	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-	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	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-	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-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	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	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-	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	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	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	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	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-	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-	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-	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-	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	0.31 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	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-	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-	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-	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-	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-	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	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	0.51 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	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	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:	OU2SG-26 6/25/2010	Duplicate of: OU2SG-26 6/25/2010	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	OU2SG-28 4/17/2009
BTEX (ug/m3)														
Benzene	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	0.18 J
Toluene	1.5 U	1.5 U	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	0.83
Ethylbenzene	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	0.87 U	0.23 J	0.26 J
Xylene, m,p-	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	1.1 J
Xylene, o-	0.52 J	0.47 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	0.22 J	0.35 J
Other VOCs (ug/m3)														
Acetaldehyde	16	20	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	4.5 U
Acetone	4.4 J	7.4	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	2.5 J
Acrolein (propenal)	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	0.46 U
Allyl chloride	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	2.2 U	2.2 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	14 UJ
Bromodichloromethane	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	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	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-	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	0.44 U
Butane	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	0.55
Butanone, 2-	1.2 U	1.2 U	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	0.40 J
Carbon disulfide	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	2.1
Carbon tetrachloride	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	1.3 U
Chlorobenzene	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	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	3.7	3.2	5.8	5.6	5.1 J	5.6 J	4.9	5.0	5.0	4.8	5.3	5.1	4.8	4.4
Chloromethane	0.35 J	0.31 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	0.22 J
Chlorotoluene, 2-	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	1.0 U
Cryofluorane	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	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
Decane, n-	2.9	3.5	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	1.2 U	1.2 U	0.88 J
Dibromochloromethane	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-	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-	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	1.2 U
Dichlorobenzene, 1,3-	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	1.2 U
Dichlorobenzene, 1,4-	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	1.2 U
Dichlorodifluoromethane	2.1	1.7 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	2.9
Dichloroethane, 1,1-	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-	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-	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-	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-	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	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	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-	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-	8.4	8.9	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	1.3 J
Ethanol	2.5 J	2.8 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	1.8 J
Ethylthiophene, 2-	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

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG-26 6/25/2010	Duplicate of: OU2SG-26 6/25/2010	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	OU2SG-28 4/17/2009
Ethyltoluene, p-	0.59 J	0.67 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
Heptane, n-	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	0.26 J
Hexachlorobutadiene	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	2.1 U
Hexane, n-	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	0.44 J
Hexanone, 2-	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	0.82 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	1.1 J	1.3 J	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U
Indene	1.9 UJ	1.9 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 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	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
Methyl-2-pentanone, 4-	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	0.82 U
Methylene chloride	1.9 J	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	1.7 U
Methylnaphthalene, 1-	3.0 J	2.3 J	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	14 U
Methylnaphthalene, 2-	5.4 J	4.7 J	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	14 U
Methylthiophene, 2-	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	0.80 U
Methylthiophene, 3-	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	0.80 U
Naphthalene	2.7 J	3.0 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	0.42 J	1.0 U	1.0 U
Nonane	0.86 J	1.0 J	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	0.89 J
Octane, n-	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	0.93 U
Pentane	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	0.42 J
Propanol, 2-	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	0.64
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	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	0.85 U
t-Butyl alcohol	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	0.29 J
Tetrachloroethane, 1,1,2,2-	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	2.2 J	2.4 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	0.61 J
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	4.3	4.6	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	5.5 U
Thiophene	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	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-	3.1 U	0.90 J	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	0.65 J
Trichlorobenzene, 1,2,4-	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	1.5 U
Trichloroethane, 1,1,1-	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
Trichloroethane, 1,1,2-	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	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
Trichlorofluoromethane	2.8	3.1	1.3	1.5	1.4 J	1.5 J	1.5	1.6	1.6	1.6	1.6	1.8	1.6	1.7
Trimethylbenzene, 1,2,3-	3.9	4.3	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Trimethylbenzene, 1,2,4-	3.8 J	3.8 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	0.29 J
Trimethylbenzene, 1,3,5-	2.0	2.1	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
Trimethylpentane, 2,2,4-	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-	4.2 J	4.6 J	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	0.78 J
Vinyl bromide	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	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	7.23	8.03	NA	0.272	0.221 U	1.83	1.8	1.57	5.82	1.95	1.92	1.75	2.05	1.91
Helium	0.0162 U	0.0182 U	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	0.0182

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	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	OU2SG-28 6/9/2010
BTEX (ug/m3)														
Benzene	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	1.3 U
Toluene	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	1.5 U
Ethylbenzene	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	1.7 U
Xylene, m,p-	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	3.5 U
Xylene, o-	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	1.7 U
Other VOCs (ug/m3)														
Acetaldehyde	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	4.9 J
Acetone	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	1.8 J
Acrolein (propenal)	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	2.3 U
Allyl chloride	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	1.2 U
Benzothiophene	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	2.2 U
Bromodichloromethane	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	2.7 U
Bromoform	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	4.1 U
Bromomethane	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	1.6 U
Butadiene, 1,3-	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	0.88 U
Butane	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	0.95 U
Butanone, 2-	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	1.2 U
Carbon disulfide	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	1.2
Carbon tetrachloride	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	2.5 U
Chlorobenzene	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	1.8 U
Chloroethane	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	1.0 U
Chloroform	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	3.1
Chloromethane	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	0.83 U
Chlorotoluene, 2-	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	2.1 U
Cryofluorane	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	2.8 U
Cyclohexane	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	1.4 U
Decane, n-	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	2.3 U
Dibromochloromethane	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	3.4 U
Dibromoethane, 1,2-	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	3.1 U
Dichlorobenzene, 1,2-	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	2.4 U
Dichlorobenzene, 1,3-	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	2.4 U
Dichlorobenzene, 1,4-	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	2.4 U
Dichlorodifluoromethane	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	2.4
Dichloroethane, 1,1-	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	1.6 U
Dichloroethane, 1,2-	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	1.6 U
Dichloroethene, 1,1-	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	1.6 U
Dichloroethene, cis-1,2-	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	1.6 U
Dichloropropane, 1,2-	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	1.8 U
Dichloropropene, cis-1,3	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	1.8 U
Dichloropropene, trans-1,3	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	1.8 U
Dioxane, 1,4-	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	1.4 U
Dodecane, n-	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	2.7 J
Ethanol	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	3.8 U
Ethylthiophene, 2-	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	1.8 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	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	OU2SG-28 6/9/2010
Ethyltoluene, p-	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	2.0 U
Heptane, n-	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	1.6 U
Hexachlorobutadiene	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	4.3 U
Hexane, n-	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	1.4 U
Hexanone, 2-	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	1.6 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	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	1.9 U
Indene	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	1.9 UJ
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	1.8 U	1.8 U	1.4 U	1.4 U	0.72 U	1.4 U	1.4 UJ	1.4 U	1.4 U
Methyl-2-pentanone, 4-	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	2.0 U	2.0 U	1.6 U	1.6 U	0.82 U	1.6 U	1.6 U	1.6 UJ	1.6 U
Methylene chloride	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	1.9 J
Methylnaphthalene, 1-	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	5.8 U
Methylnaphthalene, 2-	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	5.8 U
Methylthiophene, 2-	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	1.6 U
Methylthiophene, 3-	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	1.6 U
Naphthalene	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	2.1 U
Nonane	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	2.1 U
Octane, n-	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	1.9 U
Pentane	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	1.2 U
Propanol, 2-	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	2.5 U
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	2.1 U	2.1 U	1.7 U	1.7 U	0.85 U	1.7 U	1.7 U	1.7 U	1.7 U
t-Butyl alcohol	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	1.2 U
Tetrachloroethane, 1,1,2,2-	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	2.7 U
Tetrachloroethene	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	1.5 J
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	5.5 U	1.1 U	1.1 U	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	2.2 U
Thiophene	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	1.4 U
Trans-1,2-dichloroethene	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	1.6 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	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	3.1 U
Trichlorobenzene, 1,2,4-	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	3.0 U
Trichloroethane, 1,1,1-	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	2.2 U
Trichloroethane, 1,1,2-	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	2.2 U
Trichloroethene	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	2.2 U
Trichlorofluoromethane	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	2.1 J
Trimethylbenzene, 1,2,3-	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	2.0 U
Trimethylbenzene, 1,2,4-	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	2.0 U
Trimethylbenzene, 1,3,5-	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	2.0 U
Trimethylpentane, 2,2,4-	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	1.9 U
Undecane, n-	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	0.97 J
Vinyl bromide	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	1.8 U
Vinyl chloride	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	1.0 U
Other (%)														
Carbon Dioxide	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	3.49
Helium	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	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:	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-30 8/13/2008	OU2SG-30 9/23/2008	OU2SG-30 12/30/2008	OU2SG-30 3/13/2009	OU2SG-30 6/25/2009
BTEX (ug/m3)														
Benzene	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	3.2 U	0.64 U	0.64 U	0.64 U	0.64 U
Toluene	0.56 J	2.7	40	63	6.4	1.3 J	1.8	3.2 J	7.8	3.8 U	1.2 J	1.2	1.2	1.5
Ethylbenzene	0.87 U	1.8	86 J	190	12	7.9	5.4	3.4 J	29	4.3 U	1.1 J	1.3	1.2	1.1
Xylene, m,p-	0.26 J	9.2	450	860	38	17	8.9	6.2 J	100	8.7 U	6.1 J	6.1	5.8	2.6
Xylene, o-	0.87 U	3.4	220 J	440	14	10	11	5.9 J	76	4.3 U	2.5 J	3.0	2.6	1.2
Other VOCs (ug/m3)														
Acetaldehyde	11 J	18	22 U	18 U	10	4.9 J	1.2 J	14 J	3.6 J	37 J	22 J	6.5	5.3	2.7 J
Acetone	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	6.5 UJ	2.8 J	7.8	2.8 U	6.0 U
Acrolein (propenal)	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	0.46 U	0.46 U	0.46 U	1.2 U
Allyl chloride	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	3.1 U	0.63 U	0.63 U	0.63 U	0.63 U
Benzothiophene	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	1.1 U	1.1 UJ	1.1 U	4.0
Bromodichloromethane	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	6.7 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	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	10 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	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	3.9 U	0.78 U	0.78 U	0.78 U	0.78 U
Butadiene, 1,3-	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	2.2 U	0.44 U	0.44 U	0.44 U	0.44 U
Butane	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	7.0	0.48 U	0.48 U	0.48 U	0.48 U
Butanone, 2-	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	1.2 J	0.97 J	1.4	0.57 J	0.44 J
Carbon disulfide	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	3.0 U	0.75 J	0.45 J	0.63 U	1.8
Carbon tetrachloride	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	6.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Chlorobenzene	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	4.6 U	0.92 U	0.92 U	0.92 U	0.92 U
Chloroethane	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	2.6 U	0.53 U	0.53 U	0.53 U	0.53 U
Chloroform	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	6.3	3.6 J	1.5	1.4	1.6
Chloromethane	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	2.1 U	0.12 J	0.20 J	0.11 J	0.12 J
Chlorotoluene, 2-	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	5.2 U	1.0 U	1.0 U	1.0 U	1.0 U
Cryofluorane	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	7.0 U	1.4 U	1.4 U	1.4 U	1.4 U
Cyclohexane	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	3.4 U	0.69 U	0.69 U	0.69 U	0.69 U
Decane, n-	15 J	57	1600	2300	100 J	30 J	9.0	2.3 UJ	220	16	12 J	4.8	2.4	0.81 J
Dibromochloromethane	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	8.5 U	1.7 U	1.7 U	1.7 U	1.7 U
Dibromoethane, 1,2-	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	7.7 U	1.5 U	1.5 U	1.5 U	1.5 U
Dichlorobenzene, 1,2-	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	6.0 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,3-	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	6.0 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,4-	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	6.0 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorodifluoromethane	2.7 J	2.9	2.8 J	9.9 U	2.6	3.0	2.1	2.4 J	2.2	3.5 J	3.5 J	2.6	1.9	2.2
Dichloroethane, 1,1-	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	4.0 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethane, 1,2-	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	4.0 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethene, 1,1-	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	4.0 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloroethene, cis-1,2-	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	4.0 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloropropane, 1,2-	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	4.6 U	0.92 U	0.92 U	0.92 U	0.92 U
Dichloropropene, cis-1,3	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	4.5 U	0.91 U	0.91 U	0.91 U	0.91 U
Dichloropropene, trans-1,3	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	4.5 U	0.91 U	0.91 U	0.91 U	0.91 U
Dioxane, 1,4-	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	3.6 U	0.72 U	0.72 U	0.72 U	0.72 U
Dodecane, n-	6.9 J	8.6	170	400 J	15 J	2.8 UJ	0.70 J	2.8 UJ	57	8.4	5.0 J	2.4 J	1.5 J	2.2
Ethanol	5.1	22	3.5 J	5.1 J	6.5	5.0 U	0.64 J	1.2 J	1.2 J	13	4.0 J	1.2 J	1.4 J	1.3 J
Ethylthiophene, 2-	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	4.6 U	0.92 U	0.92 U	0.92 U	0.92 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	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-30 8/13/2008	OU2SG-30 9/23/2008	OU2SG-30 12/30/2008	OU2SG-30 3/13/2009	OU2SG-30 6/25/2009
Ethyltoluene, p-	0.98 U	1.5	150	250	27	18	4.1	6.0 J	45	4.9 U	1.1 J	1.5	1.7	0.84 J
Heptane, n-	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	4.1 U	0.82 U	0.82 U	0.82 UJ	0.82 U
Hexachlorobutadiene	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	11 U	2.1 U	2.1 U	2.1 U	2.1 U
Hexane, n-	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	3.5 U	0.70 U	0.70 U	0.70 U	0.70 U
Hexanone, 2-	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	4.1 U	0.82 U	0.82 U	0.82 U	0.82 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	0.97 U	0.72 J	49	120	0.97 U	6.3	2.0	1.6 J	32	4.8 U	0.68 J	1.4	1.5	14
Indene	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	4.8 U	0.95 U	0.95 U	0.95 U	1.1
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	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	3.6 U	0.72 U	0.72 U	0.72 U	0.72 U
Methyl-2-pentanone, 4-	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	4.1 U	0.82 U	0.82 U	0.82 UJ	0.82 U
Methylene chloride	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	2.4 UJ	0.69 U	1.7 U	1.7 U	0.45 J
Methylnaphthalene, 1-	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	1.2 U	1.1 J	0.45 J	3.8 J
Methylnaphthalene, 2-	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	1.2 U	1.1 J	1.2 U	5.6 J
Methylthiophene, 2-	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	4.0 U	0.80 U	0.80 U	0.80 U	2.0 U
Methylthiophene, 3-	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	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U
Naphthalene	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	5.2 U	0.31 J	0.51 J	0.63 J	52
Nonane	0.31 J	14	1700	2400	72	22 J	27	2.1 U	210	5.2 U	8.0 J	3.8	3.6	1.0 U
Octane, n-	44 J	140	270	390	13	3.4	5.0	1.9 U	33	70	7.9 J	0.53 J	0.79 J	0.93 U
Pentane	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	3.0 U	0.59 U	0.59 U	0.59 U	0.59 U
Propanol, 2-	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	2.4 U	0.49 U	0.49 U	1.2 UJ	1.2 U
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	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	4.3 U	0.85 U	0.85 U	0.85 U	0.85 U
t-Butyl alcohol	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	3.0 UJ	0.61 U	0.61 U	1.5 U	0.21 J
Tetrachloroethane, 1,1,2,2-	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	6.9 U	1.4 U	1.4 U	1.4 U	1.4 U
Tetrachloroethene	13 J	4.5	6.8 U	14 U	3.8	3.0	1.4 U	1.1 J	2.3 J	48	52 J	5.8	3.5	26
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	1.1 U	1.2	140 J	280	16 J	14	0.82 J	9.5 J	26	5.5 U	1.8 J	3.6	5.9	9.4 J
Thiophene	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	3.4 U	0.69 U	0.69 U	0.69 U	0.69 U
Trans-1,2-dichloroethene	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	4.0 U	0.79 U	0.79 U	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	0.54 J	0.61 J	7.7 U	15 U	0.61 J	3.1 U	0.46 J	3.1 U	3.1 U	7.7 U	1.0 J	0.62 J	1.5 U	0.92 J
Trichlorobenzene, 1,2,4-	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	7.4 U	1.5 U	1.5 UJ	1.5 U	0.44 J
Trichloroethane, 1,1,1-	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	5.4 U	1.5 J	0.53 J	1.1 U	0.98 J
Trichloroethane, 1,1,2-	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	5.4 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethene	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	5.4 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichlorofluoromethane	1.5 J	3.0	5.6 U	11 U	2.5	3.0 J	1.0 J	1.2 J	1.5 J	2.5 J	2.6 J	2.7	1.7	3.3
Trimethylbenzene, 1,2,3-	0.98 U	2.0	310	770	9.5	17 J	3.8	8.1 J	78	4.9 U	2.2 J	6.6	7.6	2.4
Trimethylbenzene, 1,2,4-	0.29 J	4.9	240	440	22 J	21	3.0	4.9 J	120 J	4.9 U	5.9 J	3.9 J	3.4	1.0 J
Trimethylbenzene, 1,3,5-	0.98 U	1.9	190	390	16	20	5.3	5.9 J	79	4.9 U	2.0 J	5.1	4.8	0.69 J
Trimethylpentane, 2,2,4-	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	4.7 U	0.93 U	0.93 U	0.93 U	0.93 U
Undecane, n-	1.3 U	6.8	740	1000	1.3 UJ	2.6 UJ	1.3 U	2.6 UJ	120 J	6.4 U	6.5 J	2.2	1.2 J	0.57 J
Vinyl bromide	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	4.4 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl chloride	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	2.6 U	0.51 U	0.51 U	0.51 U	0.51 U
Other (%)														
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	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	0.0189 U	0.0171 U	0.0196	0.031 U	0.025

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG-30 9/25/2009	OU2SG-30 12/30/2009	OU2SG-30 3/20/2010	OU2SG-30 6/9/2010	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	OU2SG-31 4/3/2009	OU2SG-31 4/4/2009	OU2SG-31 4/5/2009	OU2SG-31 4/6/2009
BTEX (ug/m3)														
Benzene	1.3 U	1.3 U	0.38 J	1.3 U	0.64 U	0.43 J	0.64 U	0.64 U	0.64 U	0.64 U	0.22 J	1.3	0.64 U	0.64 U
Toluene	1.4 J	1.5 U	1.7	0.55 J	1.1	6.0	1.0	0.84	0.72 J	0.80	1.4	220	1.1	0.94
Ethylbenzene	1.7 U	1.7 U	0.52 J	0.44 J	0.27 J	0.92 J	0.23 J	0.87 U	0.87 U	0.87 U	0.25 J	4.4	0.27 J	0.26 J
Xylene, m,p-	3.5 U	3.5 U	1.3 J	1.3 J	0.93 J	3.0	0.71 J	0.57 J	0.58 J	0.58 J	0.82 J	6.8	0.80 J	1.0 J
Xylene, o-	1.7 U	1.7 U	0.52 J	0.62 J	0.25 J	0.88	0.25 J	0.87 U	0.87 U	0.87 U	0.25 J	2.4	0.26 J	0.26 J
Other VOCs (ug/m3)														
Acetaldehyde	9.0 U	9.0 U	12	4.1 J	2.1 U	4.5 U	1.8 UJ	1.8 U	3.6 U	4.3 U	3.6 U	3.6 UJ	3.5 J	3.6 U
Acetone	6.5 UJ	1.3 J	4.5 J	1.5 J	2.4 U	16 J	4.6 J	3.6 U	4.1 U	4.3 U	5.2 U	1.8 UJ	4.8 J	7.5 J
Acrolein (propenal)	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	0.46 U	0.46 U	2.7	0.46 U
Allyl chloride	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	0.63 U	0.63 U	0.63 U
Benzothiophene	2.2 U	2.2 U	2.2 U	2.2 U	1.1 U	2.7 U	2.7 U	14 UJ	14 UJ	14 UJ	14 UJ	14 UJ	14 UJ	14 UJ
Bromodichloromethane	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	1.3 U	1.3 U	1.3 U
Bromoform	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	2.1 U	2.1 U	2.1 U
Bromomethane	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	0.78 U	0.78 U	0.78 U
Butadiene, 1,3-	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	0.44 U	0.44 U	0.44 U	0.44 U
Butane	0.95 U	0.95 U	0.52 J	0.95 U	0.41 J	0.48 U	0.54	0.28 J	0.30 J	0.42 J	1.1	2.8	0.67	1.2
Butanone, 2-	0.77 J	1.2 U	0.83 J	1.2 U	0.64	3.3	1.2	0.93	0.98	1.0	1.2	3.6	0.93	0.74
Carbon disulfide	1.2 U	1.2 U	1.2 U	0.37 J	0.31 J	31	0.62 U	6.0	4.4	7.2	6.5	2.9	5.8	8.7
Carbon tetrachloride	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	1.3 U	1.3 U	1.3 U
Chlorobenzene	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	0.92 U	0.92 U	0.92 U
Chloroethane	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	0.53 U	0.53 U	0.53 U
Chloroform	1.2 J	2.0 U	2.0 U	2.0	6.7	5.8	5.8	6.3	5.7	5.8	5.8	2.9	6.1	6.7
Chloromethane	0.83 U	0.83 U	0.45 J	0.83 U	0.41 U	0.41 U	0.41 U	0.12 J	0.11 J	0.15 J	0.15 J	0.75	0.11 J	0.10 J
Chlorotoluene, 2-	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	1.0 U	1.0 U	1.0 U
Cryofluorane	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	1.4 U	1.4 U	1.4 U
Cyclohexane	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	0.47 J	5.0	0.51 J	2.1
Decane, n-	2.3 U	2.3 U	0.70 J	2.3 U	0.97 J	2.7	1.0 J	0.63 J	0.69 J	0.81 J	0.94 J	16	1.0 J	0.70 J
Dibromochloromethane	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	1.7 U	1.7 U	1.7 U
Dibromoethane, 1,2-	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	1.5 U	1.5 U	1.5 U
Dichlorobenzene, 1,2-	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	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,3-	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	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,4-	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	1.2 U	1.2 U	1.2 U
Dichlorodifluoromethane	1.5 J	2.6	2.3	2.4	2.5	2.6	2.6	2.9	2.7	2.9	2.9	2.7	2.7	2.9
Dichloroethane, 1,1-	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	0.81 U	0.81 U	0.81 U
Dichloroethane, 1,2-	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	0.81 U	0.81 U	0.81 U
Dichloroethene, 1,1-	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	0.79 U	0.79 U	0.79 U
Dichloroethene, cis-1,2-	1.6 U	1.6 U	1.6 U	0.44 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	0.79 U
Dichloropropane, 1,2-	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	0.92 U	0.92 U	0.92 U
Dichloropropene, cis-1,3	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	0.91 U	0.91 U	0.91 U
Dichloropropene, trans-1,3	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	0.91 U	0.91 U	0.91 U
Dioxane, 1,4-	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	0.72 U	0.72 U	0.72 U
Dodecane, n-	0.84 J	2.8 UJ	1.2 J	2.0 J	1.6 J	1.5 J	0.80 J	0.96 J	1.0 J	0.98 J	1.4	2.3	2.3	1.2 J
Ethanol	3.8 U	5.0	6.9	3.8 U	6.4	16	7.4	5.1	6.5	5.3	4.5	18	3.1	2.0
Ethylthiophene, 2-	1.8 U	1.8 U	1.0 J	1.8 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG-30 9/25/2009	OU2SG-30 12/30/2009	OU2SG-30 3/20/2010	OU2SG-30 6/9/2010	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	OU2SG-31 4/3/2009	OU2SG-31 4/4/2009	OU2SG-31 4/5/2009	OU2SG-31 4/6/2009
Ethyltoluene, p-	2.0 U	2.0 U	2.0 U	1.2 J	0.98 U	0.28 J	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.52 J	0.98 U	0.98 U
Heptane, n-	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	1.9	3.3	1.4	0.82 U
Hexachlorobutadiene	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	2.1 U	2.1 U	2.1 U
Hexane, n-	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	0.54 J	2.1	0.98	2.9
Hexanone, 2-	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	0.82 U	0.82 U	0.82 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	1.9 U	1.9 U	1.3 J	1.0 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
Indene	1.9 U	1.9 U	1.0 J	1.9 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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	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	0.72 U	0.72 U	0.72 U
Methyl-2-pentanone, 4-	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	0.82 U	0.82 U	0.82 U	0.82 U
Methylene chloride	3.5 U	3.5 U	1.0 J	3.5 U	1.7 U	1.7 U	1.7 U	1.8 U	1.7 U	1.7 U	2.4 U	10	1.7 U	1.7 U
Methylnaphthalene, 1-	2.3 UJ	2.3 U	5.8 UJ	5.8 U	1.2 U	2.9 UJ	2.9 UJ	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U
Methylnaphthalene, 2-	2.3 U	2.3 U	5.8 UJ	5.8 U	1.2 U	2.9 UJ	2.9 UJ	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U
Methylthiophene, 2-	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	0.80 U	0.80 U	0.80 U
Methylthiophene, 3-	1.6 U	1.6 U	0.40 J	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
Naphthalene	2.1 U	2.1 U	0.73 J	0.68 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	0.56 J	1.0 U
Nonane	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	0.33 J	11	1.0 UJ	1.0 U
Octane, n-	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	0.41 J	1.5	0.26 J	0.93 U
Pentane	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	0.83	2100	1.2	3.0
Propanol, 2-	2.0 J	2.5 U	2.5 U	2.5 U	1.2 U	2.4	1.2 J	1.1	1.1	0.73	0.77 U	13	0.49 U	0.49 U
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	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	0.85 U	5.3	0.85 U	0.85 U
t-Butyl alcohol	1.2	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	0.20 J	0.51 J	0.24 J	0.24 J
Tetrachloroethane, 1,1,2,2-	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	1.4 U	1.4 U	1.4 U
Tetrachloroethene	29	3.9	3.4	34	0.43 J	0.64 J	1.4 U	0.50 J	0.40 J	0.45 J	0.56 J	4.4	0.72 J	0.61 J
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	2.2 U	2.2 U	2.2 U	2.2 J	1.1 U	0.43 J	2.7 U	5.5 U	5.5 U	1.0 J	0.71 J	0.87 J	0.38 J	0.60 J
Thiophene	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	0.69 U	0.69 U	0.69 U
Trans-1,2-dichloroethene	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	0.45 J	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	0.92 J	3.1 U	3.1 U	3.1 U	0.48 J	0.46 J	0.47 J	0.54 J	0.59 J	0.54 J	0.57 J	0.54 J	0.64 J	0.61 J
Trichlorobenzene, 1,2,4-	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	1.5 U	1.5 U	1.5 U
Trichloroethane, 1,1,1-	1.5 J	2.2 U	2.2 U	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
Trichloroethane, 1,1,2-	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	1.1 U	1.1 U	1.1 U
Trichloroethene	2.2 U	2.2 U	2.2 U	0.90 J	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	0.38 J	1.1 U	1.1 U
Trichlorofluoromethane	2.9 J	2.8	2.2	4.1	1.9	2.0	2.0	2.3	2.2	2.1	2.1	1.9	2.4	2.4
Trimethylbenzene, 1,2,3-	2.0 U	2.0 U	1.9 J	2.3	0.39 J	0.38 J	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.57 J	0.98 U	0.98 U
Trimethylbenzene, 1,2,4-	2.0 U	2.0 U	2.0 U	3.0 J	0.98 U	0.92 J	0.30 J	0.98 U	0.26 J	0.29 J	0.33 J	1.1	0.38 J	0.98 U
Trimethylbenzene, 1,3,5-	2.0 U	2.0 U	2.0 U	1.5 J	0.98 U	0.26 J	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.47 J	0.98 U	0.98 U
Trimethylpentane, 2,2,4-	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	0.76 J	0.93 U	0.93 U
Undecane, n-	2.6 U	2.6 U	1.0 J	0.75 J	0.80 J	1.3	0.66 J	0.51 J	0.49 J	0.56 J	0.68 J	6.1	1.2 J	0.77 J
Vinyl bromide	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	0.87 U	0.87 U	0.87 U
Vinyl chloride	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	0.51 U	0.51 U	0.51 U
Other (%)														
Carbon Dioxide	NA	NA	NA	NA	NA	0.632	0.495	2.56	2.49	2.61	2.58	1.61	2.69	2.75
Helium	0.00344 U	0.0153 U	0.0148 U	0.0144 U	0.037	0.0156 U	0.0179 U	0.018	0.0164	0.0169	0.0176	0.0166	0.02	0.0153

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	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	OU2SG-31 12/28/2009	OU2SG-31 1/14/2010	OU2SG-31 2/23/2010	OU2SG-31 3/19/2010
BTEX (ug/m3)														
Benzene	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	1.3 U	0.64 U	0.45 J	1.3 U
Toluene	1.2	1.9	3.8	8.0	8.0	24 J	12	8.8	7.0	1.5 U	0.83 J	0.53 J	0.90 J	1.5
Ethylbenzene	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	1.7 U	0.87 U	1.7 U	1.7 U
Xylene, m,p-	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	3.5 U	1.7 U	3.5 U	3.5 U
Xylene, o-	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	1.7 U	0.87 U	1.7 U	1.7 U
Other VOCs (ug/m3)														
Acetaldehyde	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	9.0 U	4.5 U	9.0 U	9.0 U
Acetone	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	2.2 J	0.62 J	1.6 J	2.6 J
Acrolein (propenal)	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	2.3 U	1.2 U	2.3 U	2.3 UJ
Allyl chloride	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	1.2 U	0.63 U	1.2 U	1.2 U
Benzothiophene	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	2.2 U	1.1 UJ	2.2 U	2.2 UJ
Bromodichloromethane	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	2.7 U	1.3 U	2.7 U	2.7 U
Bromoform	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	5.2 U	5.2 U	4.1 U	4.1 U	2.1 U	4.1 U	4.1 U
Bromomethane	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	1.9 U	1.9 U	1.6 U	1.6 U	0.78 U	1.6 U	1.6 U
Butadiene, 1,3-	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	1.1 U	1.1 U	0.88 U	0.88 U	0.44 U	0.88 U	0.88 U
Butane	2.6	6.4	6.1	0.76	0.48	0.65 J	0.69	1.2 U	1.2 U	0.95 U	0.62 J	0.48 U	0.95 U	0.95 U
Butanone, 2-	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	1.2 U	0.59 U	1.2 U	1.0 J
Carbon disulfide	9.8	28	48	94	78	79 J	8.0	5.9	4.0	1.5	0.62 J	0.40 J	0.93 J	2.1 J
Carbon tetrachloride	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	3.1 U	3.1 U	2.5 U	2.5 U	1.3 U	2.5 U	2.5 U
Chlorobenzene	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	2.3 U	2.3 U	1.8 U	1.8 U	0.92 U	1.8 U	1.8 U
Chloroethane	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	1.3 U	1.3 U	1.0 U	1.0 U	0.53 U	1.0 U	1.0 U
Chloroform	6.2	6.8	5.8	5.3	5.4	7.3 J	9.3	4.0	3.3	2.2	1.4 J	0.93 J	0.68 J	1.2 J
Chloromethane	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	0.83 U	0.41 U	0.83 U	0.83 U
Chlorotoluene, 2-	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	2.1 U	1.0 U	2.1 U	2.1 U
Cryofluorane	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	3.5 U	3.5 U	2.8 U	2.8 U	1.4 U	2.8 U	2.8 U
Cyclohexane	15	98	160	35	0.91	1.6 J	0.31 J	1.7 U	1.7 U	1.4 U	1.4 UJ	0.69 U	1.4 U	1.4 U
Decane, n-	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	2.3 U	1.2 U	2.3 U	2.3 U
Dibromochloromethane	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	4.3 U	4.3 U	3.4 U	3.4 U	1.7 U	3.4 U	3.4 U
Dibromoethane, 1,2-	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.8 U	3.8 U	3.1 U	3.1 U	1.5 U	3.1 U	3.1 U
Dichlorobenzene, 1,2-	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	2.4 U	1.2 U	2.4 U	2.4 U
Dichlorobenzene, 1,3-	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	2.4 U	1.2 U	2.4 U	2.4 U
Dichlorobenzene, 1,4-	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	2.4 U	1.2 U	2.4 U	2.4 U
Dichlorodifluoromethane	2.9	3.2	2.8	1.5	1.4	3.3 J	2.5	3.2	2.8	3.1	3.0 J	2.2	3.1	2.5
Dichloroethane, 1,1-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	2.0 U	2.0 U	1.6 U	1.6 U	0.81 U	1.6 U	1.6 U
Dichloroethane, 1,2-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	2.0 U	2.0 U	1.6 U	1.6 U	0.81 U	1.6 U	1.6 U
Dichloroethene, 1,1-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	2.0 U	2.0 U	1.6 U	1.6 U	0.79 U	1.6 U	1.6 U
Dichloroethene, cis-1,2-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	2.0 U	2.0 U	1.6 U	1.6 U	0.79 U	1.6 U	1.6 U
Dichloropropane, 1,2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	2.3 U	2.3 U	1.8 U	1.8 U	0.92 U	1.8 U	1.8 U
Dichloropropene, cis-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	2.3 U	2.3 U	1.8 U	1.8 U	0.91 U	1.8 U	1.8 U
Dichloropropene, trans-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	2.3 U	2.3 U	1.8 U	1.8 U	0.91 U	1.8 U	1.8 U
Dioxane, 1,4-	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	1.4 UJ	0.72 U	1.4 U	1.4 U
Dodecane, n-	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	2.8 U	1.4 UJ	2.8 U	2.8 U
Ethanol	2.7	4.4	5.3	6.2	4.6 U	12 J	4.2	2.6 J	1.8 J	3.8 U	1.3 J	1.6 J	0.98 J	1.3 J
Ethylthiophene, 2-	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	1.8 U	0.92 U	1.8 U	1.8 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
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Sample Name: Sample Date:	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	OU2SG-31 12/28/2009	OU2SG-31 1/14/2010	OU2SG-31 2/23/2010	OU2SG-31 3/19/2010
Ethyltoluene, p-	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	2.0 U	0.98 U	2.0 U	2.0 U
Heptane, n-	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	1.6 U	0.82 U	1.6 U	1.6 U
Hexachlorobutadiene	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	5.3 U	5.3 U	4.3 U	4.3 U	2.1 U	4.3 U	4.3 U
Hexane, n-	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	1.4 U	0.70 U	1.4 U	1.4 U
Hexanone, 2-	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	1.7 J	0.82 U	2.0 U	2.0 U	1.6 U	1.6 U	0.82 U	1.6 U	1.6 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	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	1.9 U	0.97 U	1.9 U	1.9 U
Indene	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	2.4 U	2.4 U	1.9 U	1.9 U	0.95 U	1.9 U	1.9 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	1.8 U	1.8 U	1.4 U	1.4 U	0.72 U	1.4 U	1.4 U
Methyl-2-pentanone, 4-	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 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
Methylene chloride	1.7 U	1.7 U	2.8 U	0.59 J	1.7 U	1.7 U	0.52 J	4.3 U	4.3 U	3.5 U	3.5 U	1.7 U	1.0 J	3.5 U
Methylnaphthalene, 1-	5.8 U	14 U	14 U	1.2 U	1.2 U	0.46 J	1.2 U	2.9 U	2.9 U	2.3 U	2.3 U	1.2 U	2.3 U	2.3 U
Methylnaphthalene, 2-	5.8 U	14 U	14 U	1.2 U	1.2 U	0.96 J	1.2 U	2.9 U	2.9 U	2.3 U	2.3 U	1.2 U	2.3 U	2.3 U
Methylthiophene, 2-	0.80 U	0.80 U	0.80 U	0.80 U	0.80 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
Methylthiophene, 3-	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	1.6 U	0.80 U	1.6 U	1.6 U
Naphthalene	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	2.1 U	1.0 U	2.1 U	2.1 U
Nonane	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	2.1 U	1.0 U	2.1 U	2.1 U
Octane, n-	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	1.9 U	0.93 U	1.9 U	1.9 U
Pentane	8.4	22	20	1.7	0.57 J	0.57 J	0.71	1.5 U	1.5 U	1.2 U	0.35 J	0.59 U	1.2 U	1.2 U
Propanol, 2-	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	2.5 U	1.2 U	2.5 U	1.2 J
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	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	1.7 U	0.85 U	1.7 U	1.7 U
t-Butyl alcohol	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	1.2 U	0.61 U	1.2 U	1.2 U
Tetrachloroethane, 1,1,2,2-	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	3.4 U	3.4 U	2.7 U	2.7 U	1.4 U	2.7 U	2.7 U
Tetrachloroethene	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	2.7 U	0.41 J	0.68 J	0.68 J
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	5.5 U	5.5 U	5.5 U	0.77 J	0.69 J	2.1 J	1.3 J	0.96 J	0.82 J	2.2 U	2.2 U	1.1 U	2.2 U	2.2 U
Thiophene	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	1.4 U	0.69 U	1.4 U	1.4 U
Trans-1,2-dichloroethene	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	2.0 U	2.0 U	1.6 U	1.6 U	0.79 U	1.6 U	1.6 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	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	3.1 U	1.5 U	3.1 U	3.1 U
Trichlorobenzene, 1,2,4-	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.7 U	3.7 U	3.0 U	3.0 U	1.5 U	3.0 U	3.0 U
Trichloroethane, 1,1,1-	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	2.2 U	1.1 U	2.2 U	2.2 U
Trichloroethane, 1,1,2-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.7 U	2.7 U	2.2 U	2.2 U	1.1 U	2.2 U	2.2 U
Trichloroethene	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	2.2 U	1.1 U	2.2 U	2.2 U
Trichlorofluoromethane	2.3	2.4	2.1	2.5	2.5	3.9 J	4.2	4.6	3.5	2.8	2.0 J	1.6	1.9 J	1.6 J
Trimethylbenzene, 1,2,3-	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	2.0 U	0.98 U	2.0 U	2.0 U
Trimethylbenzene, 1,2,4-	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	2.0 U	0.98 U	2.0 U	2.0 U
Trimethylbenzene, 1,3,5-	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	2.0 U	0.98 U	2.0 U	2.0 U
Trimethylpentane, 2,2,4-	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	2.3 U	2.3 U	1.9 U	1.9 U	0.93 U	1.9 U	1.9 U
Undecane, n-	0.70 J	0.79 J	1.7	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 U	2.6 U	2.6 U
Vinyl bromide	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	2.2 U	2.2 U	1.8 U	1.8 U	0.87 U	1.8 U	1.8 U
Vinyl chloride	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	1.3 U	1.3 U	1.0 U	1.0 U	0.51 U	1.0 U	1.0 U
Other (%)														
Carbon Dioxide	2.7	2.72	2.6	4.03	4.38	8.35	10.1	9.03	8.17	7	3.83	3.06	2.52	2.53
Helium	NA	0.0178	0.0183	0.0176 U	0.052	0.0238 U	0.0201 U	0.21	0.00336 U	0.015 U	0.0152 U	0.0147 U	0.0161 U	0.042

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG-31 4/19/2010	OU2SG-31 6/9/2010	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	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
BTEX (ug/m3)														
Benzene	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	0.64 U	0.64 U	0.64 U	0.20 J	0.23 J
Toluene	1.5 U	0.45 J	3.1	1.1	0.20 J	0.38 J	0.21 J	0.73 J	0.98	1.0	1.0	0.98	1.8	1.7
Ethylbenzene	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	0.87 U	0.87 U	0.87 U	0.30 J	0.33 J
Xylene, m,p-	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	0.55 J	0.61 J	1.1 J	1.0 J	1.1 J
Xylene, o-	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	0.87 U	0.87 U	0.87 U	0.30 J	0.32 J
Other VOCs (ug/m3)														
Acetaldehyde	3.2 J	6.2 J	1.8 UJ	1.8 UJ	2.1 U	1.8 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	1.6 U	3.6 U	4.5 U
Acetone	1.6 J	2.6 J	1.8 UJ	3.1 J	1.8 U	2.1 U	1.8 U	2.8 U	1.9 U	2.5 U	2.4 J	2.2	2.7 U	3.7 J
Acrolein (propenal)	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	0.46 U
Allyl chloride	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	2.2 U	2.2 U	1.1 U	2.7 U	2.7 U	14 UJ	14 UJ	14 UJ	14 UJ	14 UJ	14 UJ	14 UJ	14 UJ	14 UJ
Bromodichloromethane	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	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	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-	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	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Butane	0.95 U	0.95 U	61	0.95	0.44 J	0.39 J	0.58	0.42 J	0.85	0.43 J	0.67	0.36 J	0.33 J	0.45 J
Butanone, 2-	1.2 U	0.61 J	3.2	0.59 U	0.59 U	0.42 J	0.32 J	0.62	0.42 J	0.55 J	0.62	0.65	0.65	0.80
Carbon disulfide	1.3	1.6	8.5	0.62 U	0.62 U	1.9	0.62 U	1.5	3.2	4.2	4.8	5.4	9.9	9.2
Carbon tetrachloride	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	1.3 U
Chlorobenzene	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	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	1.6 J	2.6	44	8.1	7.4	6.7	6.8	6.4	6.1	6.0	6.2	6.0	4.8	4.6
Chloromethane	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	0.41 U	0.10 J	0.41 U	0.12 J	0.12 J
Chlorotoluene, 2-	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	1.0 U
Cryofluorane	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	1.4 UJ	1.4 U	5.6	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-	2.3 U	2.3 U	29	0.34 J	1.2 U	1.2 U	1.2 U	0.33 J	0.48 J	0.42 J	0.47 J	0.47 J	0.58 J	0.69 J
Dibromochloromethane	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-	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-	2.4 U	1.2 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, 1,3-	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	1.2 U
Dichlorobenzene, 1,4-	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	1.2 U
Dichlorodifluoromethane	2.9	2.7	2.9	2.7	2.5	2.5	2.5	2.6	2.5	2.8	2.7	2.7	2.6	2.8
Dichloroethane, 1,1-	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-	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-	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-	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	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloropropane, 1,2-	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	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	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-	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-	2.8 U	2.8	6.0 J	0.38 J	3.5 U	0.36 J	0.37 J	1.0 J	0.50 J	0.46 J	0.42 J	0.49 J	0.49 J	0.72 J
Ethanol	1.0 J	0.99 J	6.6	3.5 J	3.4 J	3.2	1.2 J	2.0	1.9	2.0	1.4 J	1.2 J	1.5 J	3.1
Ethylthiophene, 2-	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

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG-31 4/19/2010	OU2SG-31 6/9/2010	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	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
Ethyltoluene, p-	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	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Heptane, n-	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	0.50 J	1.3	0.82 U	0.21 J	0.36 J
Hexachlorobutadiene	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	2.1 U
Hexane, n-	1.4 UJ	1.4 U	12	0.29 J	0.70 U	0.70 U	0.70 U	0.70 U	0.47 J	0.21 J	0.28 J	0.70 U	0.70 U	0.29 J
Hexanone, 2-	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	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	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	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U
Indene	1.9 U	1.9 UJ	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.28 J	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	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
Methyl-2-pentanone, 4-	1.6 UJ	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
Methylene chloride	3.5 U	1.1 J	1.8 U	1.7 U	1.7 U	1.7 U	1.7 U	2.1 U	2.5 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Methylnaphthalene, 1-	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	5.8 U	5.8 U	5.8 U	5.8 U	14 U
Methylnaphthalene, 2-	5.8 UJ	5.8 U	1.2 U	2.9 UJ	2.9 UJ	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	14 U
Methylthiophene, 2-	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	0.80 U
Methylthiophene, 3-	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	0.80 U
Naphthalene	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	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Nonane	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	1.0 U	1.0 U	1.0 U	0.27 J	0.27 J
Octane, n-	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	0.93 U	0.23 J	0.23 J	0.24 J	0.26 J
Pentane	1.2 U	1.2 U	44	3.0	0.35 J	0.37 J	0.36 J	0.42 J	0.63	0.43 J	0.47 J	0.32 J	0.34 J	0.39 J
Propanol, 2-	2.5 U	2.5 U	1.2 UJ	1.0 J	1.2 U	1.7	0.94	1.2	0.81 U	0.67 U	0.66	0.76	0.70 B	1.0
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	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	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U
t-Butyl alcohol	1.2 U	1.2 U	0.45 J	0.61 U	0.61 U	0.32 J	0.33 J	0.29 J	0.30 J	0.22 J	0.21 J	0.21 J	0.21 J	0.21 J
Tetrachloroethane, 1,1,2,2-	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	0.95 J	3.2	0.62 J	1.0 J	0.54 J	0.34 J	0.35 J	0.42 J	0.40 J	0.46 J	0.54 J	0.61 J	0.47 J	0.51 J
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	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	5.5 U	0.71 J	5.5 U	5.5 U	5.5 U
Thiophene	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	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-	3.1 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	0.65 J	0.61 J	0.69 J	0.90 J	0.74 J
Trichlorobenzene, 1,2,4-	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	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Trichloroethane, 1,1,1-	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
Trichloroethane, 1,1,2-	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	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	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichlorofluoromethane	2.0 J	2.5	2.9	3.1	2.9	3.2	3.2	3.5	3.9	4.8	4.1	4.5	4.4	3.4
Trimethylbenzene, 1,2,3-	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	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Trimethylbenzene, 1,2,4-	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	0.98 U	0.98 U	0.98 U	0.33 J	0.40 J
Trimethylbenzene, 1,3,5-	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	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Trimethylpentane, 2,2,4-	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	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U
Undecane, n-	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	1.3 U	1.3 U	0.51 J	0.44 J	0.77 J
Vinyl bromide	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	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	3.08	5.42	NA	0.395	0.42	2.36	2.34	2.43	2.51	2.74	2.71	2.74	2.9	2.8
Helium	0.0197 U	0.0186 U	0.0177 U	0.0192 U	0.0183 U	0.016	0.0189	0.017	0.0192	0.0158	0.0181	0.017	0.0182	0.0169

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	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	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
BTEX (ug/m3)														
Benzene	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	0.19 J	0.45 J	1.3 U	1.3 U	1.3 U
Toluene	2.7	5.4	6.9	13	2.0	0.85 J	0.66 J	1.5 U	1.5 U	0.45 J	0.45 J	0.98 J	1.1 J	1.5 U
Ethylbenzene	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	0.87 U	1.7 U	1.7 U	0.52 J	1.7 U
Xylene, m,p-	1.5 J	2.5	1.8	4.5 J	1.8	4.3 U	4.3 U	3.5 U	3.5 U	1.7 U	3.5 U	3.5 U	2.2 J	3.5 U
Xylene, o-	0.49 J	0.91	1.1	8.7 U	1.2	2.2 U	2.2 U	1.7 U	1.7 U	0.87 U	1.7 U	1.7 U	0.87 J	1.7 U
Other VOCs (ug/m3)														
Acetaldehyde	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	4.5 UJ	9.0 UJ	9.0 UJ	9.0 UJ	9.0 UJ
Acetone	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	0.81 J	1.9 J	3.6 UJ	4.3 J	5.7
Acrolein (propenal)	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	1.2 U	2.3 U	2.3 UJ	2.3 U	2.3 U
Allyl chloride	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	0.63 U	1.2 U	1.2 U	1.2 U	1.2 U
Benzothiophene	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	1.1 UJ	2.2 U	2.2 UJ	2.2 U	2.2 U
Bromodichloromethane	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	8.8	9.6	18	2.5 J	0.83 J
Bromoform	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	2.1 U	4.1 U	4.1 U	4.1 U	4.1 U
Bromomethane	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	0.78 U	1.6 U	1.6 U	1.6 U	1.6 U
Butadiene, 1,3-	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	0.44 U	0.88 U	0.88 U	0.88 U	0.88 U
Butane	0.40 J	0.48 U	1.0	4.8 U	0.33 J	1.8	1.9	170	77	1.5	3.0	54	1.5	0.35 J
Butanone, 2-	0.79	0.50 J	1.0	5.9 U	0.74	1.5 U	1.5 U	1.2 U	1.2 U	0.59 U	1.2 U	1.1 J	2.0	1.8
Carbon disulfide	16	35	23	170 J	9.0	1.9	1.0 J	0.75 J	0.81 J	0.50 J	1.8	5.0	1.4	1.5
Carbon tetrachloride	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	0.44 J	0.88 J	4.0	1.3 J	2.5 U
Chlorobenzene	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	0.92 U	1.8 U	1.8 U	1.8 U	1.8 U
Chloroethane	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	0.53 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	11	2.8	2.5	3.4 J	4.0	4.2	1.6 J	16	54	150	200	330	45	26
Chloromethane	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	0.10 J	0.83 U	0.83 U	0.83 U	0.83 U
Chlorotoluene, 2-	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	1.0 U	2.1 U	2.1 U	2.1 U	2.1 U
Cryofluorane	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	1.4 U	2.8 U	2.8 U	2.8 U	2.8 U
Cyclohexane	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	0.69 U	1.4 U	1.4 U	1.4 UJ	1.4 U
Decane, n-	1.2	1.2 UJ	1.2 U	12 U	5.0	2.9 U	2.9 U	2.3 U	2.3 U	1.2 U	2.3 U	0.70 J	4.8	2.3 U
Dibromochloromethane	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	1.7 U	3.4 U	2.2 J	3.4 U	3.4 U
Dibromoethane, 1,2-	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	1.5 U	3.1 U	3.1 U	3.1 U	3.1 U
Dichlorobenzene, 1,2-	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	1.2 U	2.4 U	2.4 U	2.4 U	2.4 U
Dichlorobenzene, 1,3-	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	1.2 U	2.4 U	2.4 U	2.4 U	2.4 U
Dichlorobenzene, 1,4-	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	1.2 U	2.4 U	2.4 U	2.4 U	2.4 U
Dichlorodifluoromethane	2.7	1.1	0.98 J	3.2 J	2.6	3.2	3.3	2.9	3.4	2.0	2.9	2.8	2.9	2.6
Dichloroethane, 1,1-	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	0.81 U	1.6 U	1.6 U	1.6 U	1.6 U
Dichloroethane, 1,2-	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	0.81 U	1.6 U	1.6 U	1.6 U	1.6 U
Dichloroethene, 1,1-	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	0.79 U	1.6 U	1.6 U	1.6 U	1.6 U
Dichloroethene, cis-1,2-	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	0.79 U	1.6 U	1.6 U	1.6 U	1.6 U
Dichloropropane, 1,2-	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	0.92 U	1.8 U	1.8 U	1.8 U	1.8 U
Dichloropropene, cis-1,3	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	0.91 U	1.8 U	1.8 U	1.8 U	1.8 U
Dichloropropene, trans-1,3	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	0.91 U	1.8 U	1.8 U	1.8 U	1.8 U
Dioxane, 1,4-	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	0.72 U	1.4 U	1.4 U	1.4 U	1.4 U
Dodecane, n-	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	1.4 UJ	2.8 U	2.8 U	2.8 U	1.4 J
Ethanol	2.7	3.9	3.8 U	19 U	1.3 J	4.7 U	1.8 J	3.8 U	3.8 U	1.1 J	1.7 J	3.8 U	0.98 J	1.4 J
Ethylthiophene, 2-	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	0.92 U	1.8 U	1.8 U	1.8 U	1.8 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	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	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
Ethyltoluene, p-	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	0.98 U	2.0 U	2.0 U	0.88 J	2.0 U
Heptane, n-	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	0.82 U	1.6 U	1.6 U	1.6 U	1.6 U
Hexachlorobutadiene	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	2.1 U	4.3 U	4.3 U	4.3 U	4.3 U
Hexane, n-	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	0.70 U	1.4 U	0.49 J	0.42 J	1.4 U
Hexanone, 2-	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	0.82 U	1.6 U	1.6 U	1.7	1.6 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	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	0.97 U	1.9 U	1.9 U	0.77 J	1.9 U
Indene	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	0.95 U	1.9 U	1.9 U	1.9 U	1.9 UJ
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	0.72 U	0.72 U	0.72 U	7.2 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	1.4 U
Methyl-2-pentanone, 4-	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	0.82 U	1.6 U	1.6 U	1.6 UJ	1.6 U
Methylene chloride	12	0.90 J	1.7 U	17 UJ	1.7 U	4.3 U	4.3 U	3.5 U	3.5 U	0.45 J	1.1 J	3.5 U	1.0 J	2.3 J
Methylnaphthalene, 1-	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	1.2 U	2.3 U	2.3 U	2.60 J	5.8 U
Methylnaphthalene, 2-	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	1.2 U	2.3 U	2.3 UJ	6.80 J	5.8 U
Methylthiophene, 2-	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	0.80 U	1.6 U	1.6 U	1.6 U	1.6 U
Methylthiophene, 3-	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	0.80 U	1.6 U	1.6 U	1.6 U	1.6 U
Naphthalene	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	1.0 U	2.1 U	2.0 U	2.1 U	2.1 U
Nonane	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	1.0 U	2.1 U	2.1 U	1.6 J	2.1 U
Octane, n-	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	0.93 U	1.9 U	1.9 U	1.9 U	1.9 U
Pentane	0.39 J	0.32 J	1.1	5.9 U	0.29 J	1.5 U	1.5 U	3.5	4.1	0.41 J	1.2 U	3.5	1.0 J	1.2 U
Propanol, 2-	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	1.2 U	1.9 J	2.5 U	2.5 U	2.3 J
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	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	0.85 U	1.7 U	1.7 U	1.7 U	1.7 U
t-Butyl alcohol	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	0.61 U	1.2 U	1.2 U	1.2 U	1.2 U
Tetrachloroethane, 1,1,2,2-	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	1.4 U	2.7 U	2.7 U	2.7 U	2.7 U
Tetrachloroethene	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	1.4 U	2.7 U	2.7 U	0.81 J	2.4 J
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	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	1.1 U	2.2 U	2.2 UJ	2.0 J	2.2 U
Thiophene	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	0.69 U	1.4 U	1.4 U	1.4 U	1.4 U
Trans-1,2-dichloroethene	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	0.79 U	1.6 U	1.6 U	1.6 U	1.6 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	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	0.46 J	3.1 U	3.1 U	3.1 U	0.90 J
Trichlorobenzene, 1,2,4-	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	1.5 U	3.0 U	3.0 U	3.0 U	3.0 U
Trichloroethane, 1,1,1-	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	1.1 U	2.2 U	2.2 U	2.2 U	2.2 U
Trichloroethane, 1,1,2-	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	1.1 U	2.2 U	2.2 U	2.2 U	2.2 U
Trichloroethene	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	1.1 U	2.2 U	2.2 U	2.2 U	2.2 U
Trichlorofluoromethane	6.2	13	20	44	36	20	11	3.3	1.9 J	1.3	2.0 J	2.6	6.5	12
Trimethylbenzene, 1,2,3-	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	0.98 U	2.0 U	2.0 U	1.7 J	2.0 U
Trimethylbenzene, 1,2,4-	0.66 J	1.5	1.9	9.8 U	1.0	2.5 U	2.5 U	2.0 U	2.0 U	0.98 U	2.0 U	2.0 U	3.4	2.0 U
Trimethylbenzene, 1,3,5-	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	0.98 U	2.0 U	2.0 U	1.3 J	2.0 U
Trimethylpentane, 2,2,4-	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	0.93 U	1.9 U	1.9 U	1.9 U	1.9 U
Undecane, n-	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	1.3 UJ	2.6 U	2.6 U	3.2 J	2.6 U
Vinyl bromide	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	0.87 U	1.8 U	1.8 U	1.8 U	1.8 U
Vinyl chloride	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	0.51 U	1.0 U	1.0 U	1.0 U	1.0 U
Other (%)														
Carbon Dioxide	3.31	5.75	8.58	12.6	12.3	8.26	8.54	9.85	5.69	4.36	4.39	7.12	8.06	8.42
Helium	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	0.0198 U	0.0169 U	0.098	0.0185 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:	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	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-34A 11/16/2009
BTEX (ug/m3)														
Benzene	0.38 J	0.51 J	0.45 J	0.45 J	0.38 J	1.3 U	0.89 J	0.38 J	0.67	0.38 J	2.1 J	1.3 U	27	0.38 J
Toluene	3.2	1.4 J	0.68 J	0.83 J	0.60 J	1.5 U	1.6	4.3	2.0	1.5 U	2.8 J	0.45 J	120	2.0
Ethylbenzene	1.0 J	27	28	30	22	1.7 U	53	1.5 J	23	1.7 U	23	3.8	8.7	2.6
Xylene, m,p-	3.0 J	86	75	86	61	1.2 J	180	4.8	59	3.5 U	86	12	22	8.2
Xylene, o-	1.1 J	22	22	23	19	1.7 U	52	2.0	21	1.7 U	38	4.1	8.0	2.9
Other VOCs (ug/m3)														
Acetaldehyde	9.0 UJ	9.0 UJ	9.0 UJ	9.0 UJ	9.0 UJ	9.0 UJ	9.0 UJ	3.6 UJ	4.5 U	9.0 U	22 U	9.0 U	9.0 UJ	9.0 U
Acetone	4.2	3.8	2.5 J	2.4 J	2.0 J	1.3 J	5.6 U	4.8 UJ	1.0 J	1.3 J	7.6 J	1.7 J	470	3.6
Acrolein (propenal)	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	5.7 UJ	2.3 U	2.3 U	2.3 U
Allyl chloride	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	3.1 U	1.2 U	1.2 U	1.2 U
Benzothiophene	2.2 UJ	2.2 UJ	2.2 UJ	2.2 UJ	2.2 UJ	2.2 UJ	2.2 UJ	2.2 UJ	1.1 UJ	2.2 U	5.5 UJ	2.2 U	2.2 U	2.2 UJ
Bromodichloromethane	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	6.7 U	2.7 U	2.7 U	0.94 J
Bromoform	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	10 U	4.1 U	4.1 U	4.1 U
Bromomethane	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	3.9 U	1.6 U	1.6 U	1.6 U
Butadiene, 1,3-	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	2.2 U	0.88 U	0.88 U	0.88 U
Butane	0.86 J	1.2	1.1	1.0	1.2	0.57 J	0.71 J	120	0.74	0.95 U	2.8	36	12000	1.9
Butanone, 2-	0.83 J	1.8	1.3	1.3	1.1 J	1.2 U	5.4	1.2 U	0.59	1.2 U	2.2 J	1.2 U	19	1.2 U
Carbon disulfide	1.2 UJ	1.2 U	0.68 J	0.31 J	0.81 J	1.2 U	1.2 U	1.2 U	0.62 U	1.2 U	5.1 U	0.68 J	2.0 U	1.2 U
Carbon tetrachloride	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	6.3 U	2.5 U	2.5 U	2.5 U
Chlorobenzene	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	4.6 U	1.8 U	1.8 U	1.8 U
Chloroethane	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	2.6 U	1.0 U	1.0 U	1.0 U
Chloroform	1.7 J	1.6 J	1.6 J	1.5 J	1.7 J	1.7 J	1.6 J	0.68 J	0.98 U	2.0 U	4.9	2.0 U	42	43
Chloromethane	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.82 U	0.41 U	0.83 U	2.1 U	0.83 U	0.50 J	0.83 U
Chlorotoluene, 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	1.0 U	2.1 U	5.2 U	2.1 U	2.4 U	2.1 U
Cryofluorane	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	7.0 U	2.8 U	2.8 U	2.8 U
Cyclohexane	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.1	1.4 U	3.4 U	5.9 J	520	1.4 U
Decane, n-	4.1	25	43	48	50	3.3	220	22	530	2.3 U	23	2.3 U	61	11
Dibromochloromethane	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	8.5 U	3.4 U	3.4 U	3.4 U
Dibromoethane, 1,2-	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	7.7 U	3.1 U	3.1 U	3.1 U
Dichlorobenzene, 1,2-	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	6.0 U	2.4 U	2.4 U	2.4 U
Dichlorobenzene, 1,3-	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	6.0 U	2.4 U	2.4 U	2.4 U
Dichlorobenzene, 1,4-	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	6.0 U	2.4 U	2.4 U	2.4 U
Dichlorodifluoromethane	3.2	3.2	3.3	2.9	3.0	3.3	3.2	3.1	3.2	4.0	3.7 J	4.6	2.2	2.8
Dichloroethane, 1,1-	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.81 U	1.6 U	4.0 U	1.6 U	1.6 UJ	1.6 U
Dichloroethane, 1,2-	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	4.0 U	1.6 U	1.6 U	1.6 U
Dichloroethene, 1,1-	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.79 U	1.6 U	4.0 U	1.6 U	1.6 U	1.6 U
Dichloroethene, cis-1,2-	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	4.0 U	1.6 U	1.6 U	1.6 U
Dichloropropane, 1,2-	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	4.6 U	1.8 U	1.8 U	1.8 U
Dichloropropene, cis-1,3	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	4.5 U	1.8 U	1.8 U	1.8 U
Dichloropropene, trans-1,3	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	4.5 U	1.8 U	1.8 U	1.8 U
Dioxane, 1,4-	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	3.6 U	1.4 U	1.4 U	1.4 U
Dodecane, n-	3.1	7.4	12	24	24	5.4	76 J	12 J	57 J	2.6 J	7.0 UJ	2.8 U	360	1.2 J
Ethanol	11	4.8	2.4 J	2.8 J	1.8 J	3.8 U	4.0	6.3	1.0 J	1.2 J	4.4 J	1.8 J	15	8.1
Ethylthiophene, 2-	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	4.6 U	1.8 U	1.8 U	1.8 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	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	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-34A 11/16/2009
Ethyltoluene, p-	2.0 U	2.0 U	2.0 U	0.59 J	0.49 J	2.0 U	1.1 J	2.0 U	1.2	2.0 U	4.9 U	2.0 U	2.0 U	2.0 U
Heptane, n-	0.49 J	3.8	2.4	4.0	1.8	1.6 U	4.3	1.6 U	7.6	1.6 U	3.5 J	0.82 J	54	0.66 J
Hexachlorobutadiene	4.3 UJ	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	11 U	4.3 U	4.3 U	4.3 UJ
Hexane, n-	1.4 U	0.99 J	1.1 J	1.6	1.1 J	1.4 U	1.1 J	1.1 J	1.8	1.4 U	1.8 J	1.6 J	660	1.4 U
Hexanone, 2-	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	2.0	1.6 U	0.82 U	1.6 U	4.1 U	1.6 U	1.6 U	1.6 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	0.77 J	1.9 U	0.97 U	1.9 U	4.8 U	1.9 U	1.9 U	1.9 U
Indene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 UJ	0.95 U	1.9 U	4.8 U	1.9 U	1.9 UJ	1.9 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	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	3.6 UJ	1.4 U	1.4 UJ	1.4 U
Methyl-2-pentanone, 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	0.82 U	1.6 U	4.1 U	1.6 UJ	1.6 U	1.6 U
Methylene chloride	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	0.45 J	3.5 U	8.7 U	1.1 J	12	3.5 U
Methylnaphthalene, 1-	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	5.8 U	5.8 U	5.8 U	2.3 U
Methylnaphthalene, 2-	2.3 UJ	2.3 UJ	2.3 UJ	2.3 UJ	2.3 UJ	2.3 UJ	2.3 U	2.3 U	1.2 U	2.3 U	5.8 UJ	5.8 UJ	5.8 U	2.3 UJ
Methylthiophene, 2-	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	4.0 U	1.6 U	1.6 U	1.6 U
Methylthiophene, 3-	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	4.0 U	1.6 U	1.6 U	1.6 U
Naphthalene	2.1 U	1.3 J	2.1 U	2.1 U	0.73 J	2.1 U	1.7 J	2.1 U	1.0 U	2.1 U	5.0 U	2.1 U	3.2 J	2.1 U
Nonane	2.2	15	15	18	16	0.94 J	90	2.4	140	2.1 U	5.0 J	2.1 U	5.6	16
Octane, n-	0.65 J	6.5	3.9	5.6	3.3	1.9 U	15	0.65 J	16	1.9 U	3.3 J	0.65 J	14	11
Pentane	4.8	9.3	9.5	8.9	5.1	2.6	7.7	320	6.1	0.83 J	8.6	10	3300	8.8
Propanol, 2-	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	3.4 U	0.47 J	2.5 U	6.1 U	2.5 U	150	1.7 J
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.51 J	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	4.3 U	1.7 U	1.7 U	1.7 U
t-Butyl alcohol	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.39 J	1.2 U	3.0 U	1.2 U	3.3	1.2 U
Tetrachloroethane, 1,1,2,2-	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	6.9 U	2.7 U	2.7 U	2.7 U
Tetrachloroethene	6.5	6.8	6.5	6.9	7.7	13	9.6	7.4	4.5	13	19	24	29	2.7 U
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	2.2 UJ	2.2 UJ	2.2 UJ	2.2 UJ	0.77 J	2.2 UJ	1.3 J	2.2 U	1.1 U	2.2 U	5.5 UJ	2.2 U	2.2 U	2.2 UJ
Thiophene	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	3.4 U	1.4 U	1.4 U	1.4 U
Trans-1,2-dichloroethene	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	4.0 U	1.6 U	1.6 UJ	1.6 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	0.61 J	3.1 U	7.7 U	0.92 J	3.1 U	3.1 U
Trichlorobenzene, 1,2,4-	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	7.4 U	3.0 U	3.0 U	3.0 U
Trichloroethane, 1,1,1-	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	5.4 U	2.2 U	2.2 U	2.2 U
Trichloroethane, 1,1,2-	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	5.4 U	2.2 U	2.2 U	2.2 U
Trichloroethene	0.54 J	0.54 J	0.64 J	0.54 J	0.64 J	2.2 U	0.86 J	0.75 J	0.32 J	2.2 U	5.4 U	2.2 U	7.4	2.2 U
Trichlorofluoromethane	3.0	2.8	2.9	2.6	2.7	3.0	3.1	2.2	1.6	2.0 J	2.8 J	3.6	1.5 J	1.5 J
Trimethylbenzene, 1,2,3-	2.0 U	0.69 J	1.2 J	1.4 J	1.5 J	2.0 U	3.2	2.0 U	3.9	2.0 U	4.9 U	2.0 U	2.0 U	2.0 U
Trimethylbenzene, 1,2,4-	2.0 UJ	0.88 J	1.1 J	1.1 J	1.1 J	2.0 U	2.8	2.0 U	1.6	2.0 U	4.9 U	2.0 U	1.4 J	2.0 UJ
Trimethylbenzene, 1,3,5-	2.0 U	2.0 U	0.59 J	0.59 J	0.59 J	2.0 U	1.4 J	2.0 U	1.2	2.0 U	4.9 U	2.0 U	2.0 U	2.0 U
Trimethylpentane, 2,2,4-	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	4.7 U	1.9 U	1.9 U	1.9 U
Undecane, n-	6.3 J	27 J	48 J	65 J	85 J	8.7 J	260 J	37	520 J	2.6	6.4 UJ	2.6 U	2.6 U	2.6 U
Vinyl bromide	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	4.4 U	1.8 U	1.8 U	1.8 U
Vinyl chloride	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	2.6 U	1.0 U	1.0 U	1.0 U
Other (%)														
Carbon Dioxide	2.98	2.81	2.85	2.9	2.87	2.84	3	3.15	3.88	5.02	4.36	7.08	11.8	2.72
Helium	0.0141 U	0.0184 U	0.0177 U	0.0182 U	0.0164 U	0.0184 U	0.019 U	0.0158 U	0.0171 U	0.0177 U	0.0203 U	0.0166 U	0.0176 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:	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	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-35A 11/16/2009	OU2SG-35P 11/16/2009
BTEX (ug/m3)														
Benzene	0.45 J	0.64 J	0.57 J	0.38 J	0.51 J	0.77 J	1.3 U	0.64 U	0.45 J	1.3 U	1.3 U	1.3 U	3.8	0.77 J
Toluene	1.6	1.7	1.8	1.2 J	1.7	2.0	1.5 U	0.26 J	1.5 U	1.5 U	1.5 U	1.5 U	3.3	8.8
Ethylbenzene	18	52	59	38	48	46	1.7 U	0.56 J	1.7 U	1.7 U	1.7 U	1.7 U	3.4	240
Xylene, m,p-	56	140	160	94	110	110	3.5 U	1.7	3.5 U	3.5 U	3.5 U	3.5 U	6.4	1100
Xylene, o-	45	140	170	110	130	120	1.7 U	1.1	1.7 U	1.7 U	1.7 U	1.7 U	1.5 J	310
Other VOCs (ug/m3)														
Acetaldehyde	3.7 J	9.0 UJ	9.0 U	9.0 UJ	5.5 J	9.0 UJ	3.6 U	1.3 J	2.9 J	9.0 U	4.3 J	8.2 J	9.0 U	9.0 U
Acetone	3.7	3.0 J	2.2 J	2.8 J	2.6 J	3.6 U	4.8 U	0.97 J	2.0 J	2.6 J	1.5 J	3.5 J	7.9	3.8
Acrolein (propenal)	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 UJ	2.3 U	2.3 U	2.3 U	2.3 U
Allyl chloride	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	1.2 U	1.2 U	1.2 U	1.2 U
Benzothiophene	2.2 UJ	2.2 UJ	2.2 UJ	2.2 UJ	2.2 UJ	2.2 UJ	2.2 U	1.1 UJ	2.2 U	2.2 UJ	2.2 U	2.2 U	2.2 UJ	2.2 UJ
Bromodichloromethane	0.67 J	0.80 J	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	1.3 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
Bromoform	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	4.1 U	4.1 U	4.1 U	4.1 U
Bromomethane	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	1.6 U	1.6 U	1.6 U	1.6 U
Butadiene, 1,3-	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	0.88 U	0.88 U	0.88 U	0.88 U
Butane	1.5	3.3	1.1	0.90 J	1.4	0.95	0.81 J	0.67	0.86 J	0.95 U	0.95 U	0.95 U	0.81 J	0.86 J
Butanone, 2-	0.65 J	1.2 U	1.2 U	1.2 U	1.2 U	1.1 J	1.2 U	0.59 U	1.2 U	1.2 UJ	1.2 U	1.2 U	1.5	1.0 J
Carbon disulfide	0.68 J	0.87 J	0.68 J	0.62 J	0.68 J	1.2 U	1.2 U	0.28 J	0.37 J	1.2 U	0.68 J	1.2 U	1.2 U	0.44 J
Carbon tetrachloride	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	2.5 U	2.5 U	2.5 U	2.5 U
Chlorobenzene	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	1.8 U	1.8 U	1.8 U	1.8 U
Chloroethane	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	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	34	34	29	28	27	26	10	6.5	6.2	6.7	14	7.7	4.2	4.5
Chloromethane	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.82 U	0.41 U	0.83 U	0.83 U	0.83 U	0.83 U	0.54 J	0.83 U
Chlorotoluene, 2-	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	2.1 U	2.1 U	2.1 U	2.1 U
Cryofluorane	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	2.8 U	2.8 U	2.8 U	2.8 U
Cyclohexane	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 U	1.4 UJ	1.4 U	1.4 U	1.4 U
Decane, n-	19	95	140	110	160	260	23 U	13	23 U	23 U	23 U	23 U	1.2 J	1.7 J
Dibromochloromethane	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	3.4 U	3.4 U	3.4 U	3.4 U
Dibromoethane, 1,2-	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	3.1 U	3.1 U	3.1 U	3.1 U
Dichlorobenzene, 1,2-	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	2.4 U	2.4 U	2.4 U	2.4 U
Dichlorobenzene, 1,3-	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	2.4 U	2.4 U	2.4 U	2.4 U
Dichlorobenzene, 1,4-	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	2.4 U	2.4 U	2.4 U	2.4 U
Dichlorodifluoromethane	2.3	2.8	2.5	2.8	2.8	2.4	2.4	2.3	2.8	2.4	2.4	2.4	2.8	2.7
Dichloroethane, 1,1-	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	1.6 U	1.6 UJ	1.6 U	1.6 U
Dichloroethane, 1,2-	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	1.6 U	1.6 U	1.6 U	1.6 U
Dichloroethene, 1,1-	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	1.6 U	1.6 U	1.6 U	1.6 U
Dichloroethene, cis-1,2-	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	1.6 U	1.6 U	1.6 U	1.6 U
Dichloropropane, 1,2-	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	1.8 U	1.8 U	1.8 U	1.8 U
Dichloropropene, cis-1,3	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	1.8 U	1.8 U	1.8 U	1.8 U
Dichloropropene, trans-1,3	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	1.8 U	1.8 U	1.8 U	1.8 U
Dioxane, 1,4-	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	1.4 U	1.4 U	1.4 U	1.4 U
Dodecane, n-	2.8 U	5.4	15	11	26	44 J	8.2 J	12 J	14	2.8 U	5.3 J	1.2 J	2.8 U	5.7
Ethanol	12	5.0	4.8	2.5 J	4.5	3.6 J	3.8 U	1.0 J	1.2 J	1.4 J	3.8 U	3.8 U	13	5.9
Ethylthiophene, 2-	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	1.8 U	1.8 U	1.8 U	1.8 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	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	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-35A 11/16/2009	OU2SG-35P 11/16/2009
Ethyltoluene, p-	0.88 J	2.6	3.8	3.0	3.6	3.7	2.0 U	0.98 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.2
Heptane, n-	2.3	15	10	7.4	8.4	9.6	1.6 U	0.82 U	1.6 U	1.6 U	1.6 U	1.6 U	12	11
Hexachlorobutadiene	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	4.3 U	4.3 U	4.3 UJ	4.3 U
Hexane, n-	0.56 J	3.5	2.0	1.6	2.1	2.7	1.4 U	0.70 U	1.4 U	1.4 U	1.4 UJ	1.4 U	7.0	2.1
Hexanone, 2-	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	1.6 U	1.6 U	1.6 U	1.6 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	1.9 U	1.1 J	1.7 J	1.9 U	2.0	2.1	1.9 U	0.97 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.3 J
Indene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 UJ	0.95 U	1.9 U	1.9 U	1.9 U	1.9 UJ	1.9 U	1.9 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	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 UJ	1.4 U	1.4 UJ	1.4 U	1.4 U
Methyl-2-pentanone, 4-	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	1.6 UJ	3.5 U	1.6 U	1.6 U
Methylene chloride	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	3.5 U	0.97 J	2.7 J	3.5 U	3.5 U
Methylnaphthalene, 1-	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	2.3 U	5.8 U	2.3 U	2.3 U
Methylnaphthalene, 2-	2.3 UJ	2.3 UJ	2.3 UJ	2.3 UJ	2.3 U	2.3 U	2.3 U	1.2 U	2.3 U	2.3 UJ	5.8 UJ	5.8 U	2.3 UJ	2.3 UJ
Methylthiophene, 2-	1.6 U	1.6 U	1.6 U	1.6 U	1.6 UJ	1.6 U	1.6 U	0.80 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Methylthiophene, 3-	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	1.6 U	1.6 U	1.6 U	1.6 U
Naphthalene	2.1 U	2.1 U	0.52 J	2.1 U	0.73 J	0.52 J	2.1 U	1.0 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Nonane	25	72	82	45	48	74	2.1 U	1.7	2.1 U	0.63 J	2.1 U	2.1 U	9.0	320
Octane, n-	10	26	24	11	9.6	12	1.9 U	0.42 J	1.9 U	1.9 U	1.9 U	1.9 U	15	94
Pentane	6.2	18	7.6	6.8	9.7	7.8	1.2	1.4	1.2	1.2 U	1.2 U	1.2 U	13	9.4
Propanol, 2-	2.4 J	3.2	1.9 J	0.93 J	0.93 J	0.84 J	2.4 U	1.2 U	2.5 U	2.5 U	2.5 U	2.5 U	4.0	1.6 J
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	0.43 J	1.7 U	0.85 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	0.68 J
t-Butyl alcohol	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.42 J	0.33 J	1.2 U	1.2 U	1.2 U	1.2 U	0.48 J	1.2 U
Tetrachloroethane, 1,1,2,2-	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	2.7 U	2.7 U	2.7 U	2.7 U
Tetrachloroethene	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	2.7 U	0.94 J	2.7 U	2.7 U
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	2.2 UJ	2.2 UJ	1.1 J	1.1 J	1.9 J	2.5 J	2.2 U	1.1 U	2.2 U	2.2 UJ	2.2 U	2.2 U	2.2 UJ	2.2 UJ
Thiophene	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 U	1.4 U	1.4 U	1.4 U	1.4 U
Trans-1,2-dichloroethene	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	1.6 U	1.6 UJ	1.6 U	1.6 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	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	3.1 U	0.93 J	3.1 U	3.1 U
Trichlorobenzene, 1,2,4-	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	3.0 U	3.0 U	3.0 U	3.0 U
Trichloroethane, 1,1,1-	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	2.2 U	2.2 U	2.2 U	2.2 U
Trichloroethane, 1,1,2-	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	2.2 U	2.2 U	2.2 U	2.2 U
Trichloroethene	2.2 U	0.86 J	0.75 J	0.64 J	0.75 J	0.97 J	2.2 U	1.1 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	0.86 J
Trichlorofluoromethane	1.2 J	1.5 J	1.4 J	1.5 J	1.4 J	1.2 J	1.0 J	1.1 J	1.4 J	1.4 J	1.8 J	1.6 J	1.6 J	1.5 J
Trimethylbenzene, 1,2,3-	1.2 J	5.6	9.0	8.0	12	12	2.0 U	0.98 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	5.2
Trimethylbenzene, 1,2,4-	0.98 J	3.0	4.6	3.5	4.8	5.1	2.0 U	0.98 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ	7.3
Trimethylbenzene, 1,3,5-	1.1 J	3.8	5.9	4.6	5.8	5.7	2.0 U	0.98 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.6
Trimethylpentane, 2,2,4-	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	1.9 U	1.9 U	5.2	1.9 U
Undecane, n-	2.6 U	54 J	100 J	93 J	200 J	320 J	2.6 U	24 J	32	2.6 U	3.3 J	2.2 J	2.6 U	60 J
Vinyl bromide	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	1.8 U	1.8 U	1.8 U	1.8 U
Vinyl chloride	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	1.0 U	1.0 U	1.0 U	1.0 U
Other (%)														
Carbon Dioxide	2.6	2.67	2.67	2.63	2.63	2.72	2.15	1.67	1.43	1.63	2.67	3.02	3.34	3.33
Helium	0.0176 U	0.0164 U	0.0177 U	0.0139 U	0.0158 U	0.069	0.057	0.383	0.0173 U	0.018 U	0.0176 U	0.033	0.0146 U	0.0168 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	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	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-38 12/30/2008	OU2SG-38A 1/20/2009
BTEX (ug/m3)														
Benzene	0.83 J	0.70 J	0.57 J	0.45 J	0.45 J	0.96 J	1.3 U	0.64 U	0.32 J	1.3 U	1.3 U	1.3 U	0.64 U	0.53 J
Toluene	7.6	6.2	3.6	3.0	2.9	6.0	1.5 U	0.56 J	1.5 U	1.5 U	1.5 U	0.66 J	0.78	1.6
Ethylbenzene	310	280	160	120	110	180	1.9	4.6	1.1 J	4.4	1.5 J	6.2	0.24 J	0.87 U
Xylene, m,p-	1200	1100	550	380	330	560	6.0	16	4.8	18	5.3	26	0.80 J	0.56 J
Xylene, o-	510	500	320	230	200	270	2.5	4.6	1.6 J	6.0	2.0	12	0.30 J	0.87 U
Other VOCs (ug/m3)														
Acetaldehyde	9.0 U	9.0 U	9.0 U	9.0 U	9.0 U	9.0 UJ	3.6 U	2.0 J	9.0 U	9.0 U	5.4 J	13 J	4.0 J	1.8 UJ
Acetone	3.0 J	2.8 J	2.4 J	2.5 J	2.7 J	6.6 U	4.8 U	1.4 J	1.9 J	3.4 J	2.1 J	14	1.7 U	5.3 U
Acrolein (propenal)	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 UJ	2.3 U	2.3 U	0.46 U	0.13 J
Allyl chloride	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	1.2 U	1.2 U	0.63 U	0.63 U
Benzothiophene	2.2 UJ	2.2 UJ	2.2 UJ	2.2 UJ	2.2 UJ	2.2 UJ	2.2 U	1.1 UJ	2.2 U	2.2 UJ	2.2 U	2.2 U	1.1 UJ	1.1 U
Bromodichloromethane	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	2.7 U	2.7 U	1.3 U	1.3 U
Bromoform	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	4.1 U	4.1 U	2.1 U	2.1 U
Bromomethane	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	1.6 U	1.6 U	0.78 U	0.78 U
Butadiene, 1,3-	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	0.88 U	0.88 U	0.44 U	0.44 U
Butane	1.2	0.95 U	0.48 J	0.62 J	0.71 J	1.8	0.71 J	0.31 J	0.95 U	0.95 U	0.95 U	2.1	0.48 U	4.7
Butanone, 2-	1.0 J	1.1 J	1.0 J	1.2 U	0.94 J	4.8	1.2 U	0.59 U	1.2 U	0.88 J	1.2 U	1.3	0.59 U	1.2
Carbon disulfide	0.62 J	0.31 J	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.62 U	1.2 U	1.2 U	1.2 U	1.2 U	0.16 J	0.62 U
Carbon tetrachloride	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	2.5 U	2.5 U	1.3 U	1.3 U
Chlorobenzene	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	1.8 U	1.8 U	0.92 U	0.92 U
Chloroethane	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	1.0 U	1.0 U	0.53 U	0.53 U
Chloroform	4.7	4.4	4.5	4.5	4.7	4.5	2.5	1.6	1.8 J	2.0	3.6	5.7	0.86 J	0.40 J
Chloromethane	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.82 U	0.83 U	0.83 U	0.83 U	0.83 U	0.19 J	0.44
Chlorotoluene, 2-	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	2.1 U	2.1 U	1.0 U	1.0 U
Cryofluorane	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	2.8 U	2.8 U	1.4 U	1.4 U
Cyclohexane	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 U	1.4 UJ	1.4 U	0.69 U	0.69 U
Decane, n-	420	590	700	740	660	1100	56	100	28	120	22	210	1.2	0.54 J
Dibromochloromethane	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	3.4 U	3.4 U	1.7 U	1.7 U
Dibromoethane, 1,2-	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	3.1 U	3.1 U	1.5 U	1.5 U
Dichlorobenzene, 1,2-	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	2.4 U	2.4 U	1.2 U	1.2 U
Dichlorobenzene, 1,3-	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	2.4 U	2.4 U	1.2 U	1.2 U
Dichlorobenzene, 1,4-	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	2.4 U	2.4 U	1.2 U	1.2 U
Dichlorodifluoromethane	2.8	2.3	2.8	2.4	2.7	2.7	2.4	2.4	2.8	2.2	3.0	2.8	2.9	3.0
Dichloroethane, 1,1-	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	1.6 U	1.6 UJ	0.81 U	0.81 U
Dichloroethane, 1,2-	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	1.6 U	1.6 U	0.81 U	0.81 U
Dichloroethene, 1,1-	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	1.6 U	1.6 U	0.79 U	0.79 U
Dichloroethene, cis-1,2-	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	1.6 U	1.6 U	0.79 U	0.79 U
Dichloropropane, 1,2-	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	1.8 U	1.8 U	0.92 U	0.92 U
Dichloropropene, cis-1,3	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	1.8 U	1.8 U	0.91 U	0.91 U
Dichloropropene, trans-1,3	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	1.8 U	1.8 U	0.91 U	0.91 U
Dioxane, 1,4-	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	1.4 U	1.4 U	0.72 U	0.72 U
Dodecane, n-	9.9	18	32	38 J	26 J	58 J	13 J	11 J	17	2.8 UJ	60 J	290	1.6 J	1.4 U
Ethanol	3.7 J	5.0	2.9 J	2.2 J	2.1 J	3.8	3.8 U	1.8 J	1.8 J	1.8 J	1.2 J	4.2	7.2	6.6
Ethylthiophene, 2-	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	1.8 U	1.8 U	0.92 U	0.92 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	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	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-38 12/30/2008	OU2SG-38A 1/20/2009	
Ethyltoluene, p-	8.1	9.3	8.1	6.9	5.9	8.2	2.0 U	0.98 U	2.0 U	2.0 U	2.0 U	2.0 U	0.98 U	0.98 U	
Heptane, n-	27	22	13	8.8	9.0	18	1.6 U	0.82 U	1.6 U	0.41 J	1.6 U	1.4 J	0.82 U	0.46 J	
Hexachlorobutadiene	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	4.3 U	4.3 U	2.1 U	2.1 UJ	
Hexane, n-	4.4	2.9	2.0	2.0	2.0	4.8	1.4 U	0.70 U	1.4 U	1.4 U	1.4 UJ	1.3 J	0.70 U	1.1	
Hexanone, 2-	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	1.6 U	1.6 U	1.6 J	0.82 U	0.82 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Indan	2.6	4.2	3.5	3.3	2.8	4.1	1.9 U	0.97 U	1.9 U	1.9 U	1.9 U	1.9 U	0.97 U	0.97 U	
Indene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 UJ	0.95 U	1.9 U	1.9 U	1.9 U	1.9 UJ	0.95 U	0.95 U	
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methyl tert-butyl ether	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 UJ	1.4 U	1.4 UJ	0.72 U	0.72 U	
Methyl-2-pentanone, 4-	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	1.6 UJ	1.6 U	0.72 J	0.82 U	
Methylene chloride	3.5 U	3.5 U	3.5 U	3.5 U	1.2 J	3.5 U	3.5 U	1.7 U	0.90 J	3.5 U	3.5 U	6.9 U	1.7 U	0.82 U	
Methylnaphthalene, 1-	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	5.8 U	5.8 U	R	5.8 UJ	
Methylnaphthalene, 2-	2.3 UJ	2.3 UJ	2.3 UJ	2.3 UJ	2.3 UJ	2.3 U	2.3 U	1.2 U	2.3 U	0.81 J	5.8 UJ	5.8 U	14 UJ	5.8 U	
Methylthiophene, 2-	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	1.6 U	1.6 U	0.80 U	0.80 U	
Methylthiophene, 3-	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	1.6 U	1.6 U	0.80 U	0.80 U	
Naphthalene	2.1 U	0.63 J	1.2 J	1.0 J	0.63 J	1.5 J	2.1 U	1.0 U	2.1 U	2.0 U	2.1 U	1.4 J	1.0 U	1.0 U	
Nonane	550	640	530	450	440	800	6.7	22	3.6	21	3.2	33	0.37 J	1.0 U	
Octane, n-	180	160	92	71	67	120	1.0 J	4.2	1.9 U	3.3	0.84 J	10	0.28 J	0.55 J	
Pentane	16	8.1	6.7	7.5	8.6	20	1.5	0.62	1.2 U	0.71 J	1.2 U	1.8	0.59 U	3.1	
Propanol, 2-	1.2 J	1.2 J	1.1 J	0.84 J	0.74 J	1.7 J	2.4 U	0.54 J	2.5 U	2.5 U	2.5 U	2.5 U	0.88 UJ	1.2 U	
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Styrene	0.77 J	0.77 J	0.51 J	1.7 U	1.7 U	0.68 J	1.7 U	0.85 U	1.7 U	1.7 U	1.7 U	1.7 U	0.85 U	0.85 U	
t-Butyl alcohol	0.97 J	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 J	0.27 J	1.2 U	1.2 U	1.2 U	0.45 J	0.61 U	0.61 U	
Tetrachloroethane, 1,1,2,2-	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	2.7 U	2.7 U	1.4 U	1.4 U	
Tetrachloroethene	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	2.7 U	0.89 J	0.89 J	0.73 J	
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Tetramethylbenzene, 1,2,4,5-	2.2 UJ	1.5 J	2.5 J	2.3 J	1.9 J	2.8 J	2.2 U	1.1 U	2.2 U	2.2 UJ	2.2 U	2.2 U	1.1 U	1.1 U	
Thiophene	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 U	1.4 U	1.4 U	0.69 U	0.69 U	
Trans-1,2-dichloroethene	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	1.6 U	1.6 UJ	0.79 U	0.79 U	
Trichloro-1,2,2-trifluoroethane, 1,1,2-	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	3.1 U	3.1 U	0.64 J	0.58 J	
Trichlorobenzene, 1,2,4-	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	1.5 U	2.8 J	3.0 U	3.0 U	3.0 U	1.5 U	1.5 U	
Trichloroethane, 1,1,1-	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	2.2 U	2.2 U	1.1 U	1.1 U	
Trichloroethane, 1,1,2-	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	2.2 U	2.2 U	1.1 U	1.1 U	
Trichloroethene	0.97 J	0.75 J	2.2 U	2.2 U	2.2 U	0.97 J	2.2 U	1.1 U	2.2 U	2.2 U	2.2 U	2.2 U	1.1 U	2.2	
Trichlorofluoromethane	1.5 J	1.2 J	1.4 J	1.2 J	1.4 J	1.5 J	1.0 J	1.1 J	1.5 J	1.5 J	2.0 J	1.5 J	2.5	1.8	
Trimethylbenzene, 1,2,3-	12	16	18	17	14	20	2.0 U	0.83 J	2.0 U	2.0 U	2.0 U	2.0	0.48 J	0.98 U	
Trimethylbenzene, 1,2,4-	15	17	15	13	11	16	2.0 U	0.59 J	2.0 U	0.98 J	2.0 U	1.6 J	0.98 U	0.98 U	
Trimethylbenzene, 1,3,5-	10	12	11	9.4	8.2	11	2.0 U	0.98 U	2.0 U	2.0 U	2.0 U	0.59 J	0.27 J	0.98 U	
Trimethylpentane, 2,2,4-	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	1.9 U	1.9 U	0.93 U	0.93 U	
Undecane, n-	140 J	250 J	410 J	440 J	330 J	700 J	2.6 U	130 J	73	2.6 UJ	100 J	410 J	0.51 J	0.33 J	
Vinyl bromide	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	1.8 U	1.8 U	0.87 U	0.87 U	
Vinyl chloride	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	1.0 U	1.0 U	0.51 U	0.51 U	
Other (%)															
Carbon Dioxide	3.36	3.06	3.39	3.22	3.35	3.46	3.91	2.49	2.38	2.99	4.89	3.71	NA	NA	
Helium	0.014 U	0.0146 U	0.0146 U	0.017 U	0.0172 U	0.034	0.027	0.0155 U	0.0171 U	0.018 U	0.0175 U	0.025	0.0188	0.014	

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	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	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
BTEX (ug/m3)														
Benzene	0.64 U	0.64 U	0.64 U	0.64 U	0.20 J	0.64 U	0.64 U	0.64 U	0.64 U	3.2 U	1.6 U	0.18 J	0.64 U	0.64 U
Toluene	0.49 J	0.63 J	0.85	0.64 J	1.2	0.36 J	0.35 J	0.53 J	0.37 J	0.98 J	1.9 U	0.56 J	0.23 J	0.25 J
Ethylbenzene	0.87 U	0.87 U	0.87 U	0.87 U	0.28 J	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
Xylene, m,p-	0.35 J	0.39 J	0.46 J	0.43 J	0.85 J	0.33 J	0.29 J	0.39 J	1.7 U	8.7 U	4.3 U	1.7 U	1.7 U	1.7 U
Xylene, o-	0.87 U	0.87 U	0.87 U	0.87 U	0.32 J	0.87 U	0.87 U	0.32 J	0.87 U	4.3 U	2.2 U	0.87 U	0.87 U	0.87 U
Other VOCs (ug/m3)														
Acetaldehyde	1.8 UJ	3.2 U	1.8 UJ	1.8 UJ	2.2 J	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ	22 UJ	4.5 UJ	1.8 UJ	3.6 UJ	4.5 UJ
Acetone	1.6 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	5.9 UJ	3.0 UJ	1.8 UJ	1.8 UJ	1.8 U
Acrolein (propenal)	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	2.3 U	1.2 U	0.46 U	0.46 U	1.2 U
Allyl chloride	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	3.1 U	1.6 U	0.63 U	0.63 U	0.63 U
Benzothiophene	1.1 U	1.1 U	1.1 U	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 U	1.1 U	5.5 U	6.9 U	2.7 U	14 UJ	1.1 U
Bromodichloromethane	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	6.7 U	3.4 U	1.3 U	1.3 U	1.3 U
Bromoform	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	10 U	5.2 U	2.1 U	2.1 U	2.1 U
Bromomethane	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	3.9 U	1.9 U	0.78 U	0.78 U	0.78 U
Butadiene, 1,3-	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	2.2 UJ	1.1 U	0.44 U	0.44 U	0.44 U
Butane	0.62	1.7	2.5	1.3	0.60	8.7	10	36	66	69	37	4.4	1.1	0.94
Butanone, 2-	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	3.0 U	1.5 U	0.59 U	0.59 U	0.33 J
Carbon disulfide	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.18 J	0.16 J	3.1 U	1.6 U	0.62 U	0.62 U	0.29 J
Carbon tetrachloride	1.3 U	1.3 U	1.3 U	1.3 U	0.54 J	0.73 J	0.70 J	1.1 J	1.5	2.0 J	1.2 J	0.87 J	0.50 J	1.3 U
Chlorobenzene	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	4.6 U	2.3 U	0.92 U	0.92 U	0.92 U
Chloroethane	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	2.6 U	1.3 U	0.53 U	0.53 U	0.53 U
Chloroform	0.59 J	0.54 J	0.51 J	0.67 J	0.74 J	0.70 J	0.55 J	0.77 J	0.83 J	4.9 U	0.99 J	1.2	1.5	1.3
Chloromethane	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.11 J	2.1 U	1.0 U	0.41 U	0.41 U	0.12 J
Chlorotoluene, 2-	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.2 U	2.6 U	1.0 U	1.0 U	1.0 U
Cryofluorane	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	7.0 U	3.5 U	1.4 U	1.4 U	1.4 U
Cyclohexane	0.69 U	2.1	3.3	2.2	1.2	6.6	9.3	56	99	150	130	61	12	2.5
Decane, n-	0.73 J	0.60 J	0.79 J	1.2 U	0.36 J	1.2 U	0.52 J	1.2 U	1.2 U	5.8 U	2.9 U	1.2 U	1.2 U	1.2 U
Dibromochloromethane	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	8.5 U	4.3 U	1.7 U	1.7 U	1.7 U
Dibromoethane, 1,2-	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	7.7 U	3.8 U	1.5 U	1.5 U	1.5 U
Dichlorobenzene, 1,2-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	6.0 U	3.0 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,3-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	6.0 U	3.0 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,4-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	6.0 U	3.0 U	1.2 U	1.2 U	1.2 U
Dichlorodifluoromethane	3	3.2	2.8	3.0	2.1	2.9	2.6	1.7	1.6	2.8 J	1.4 J	1.2	1.2	0.99 U
Dichloroethane, 1,1-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	4.0 U	2.0 U	0.81 U	0.81 U	0.81 U
Dichloroethane, 1,2-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	4.0 U	2.0 UJ	0.81 UJ	0.81 U	0.81 U
Dichloroethene, 1,1-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	4.0 U	2.0 U	0.79 U	0.79 U	0.79 U
Dichloroethene, cis-1,2-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	4.0 U	2.0 U	0.79 U	0.79 U	0.79 U
Dichloropropane, 1,2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	4.6 U	2.3 U	0.92 U	0.92 U	0.92 U
Dichloropropene, cis-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	4.5 U	2.3 U	0.91 U	0.91 U	0.91 U
Dichloropropene, trans-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	4.5 U	2.3 U	0.91 U	0.91 U	0.91 U
Dioxane, 1,4-	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	3.6 U	1.8 U	0.72 U	0.72 U	0.72 U
Dodecane, n-	2.4	1.4 U	0.81 J	1.4 U	0.74 J	0.69 J	1.6	0.49 J	0.55 J	3.4 J	8.7 U	3.5 U	0.63 J	1.4 U
Ethanol	3.3	2.9	5.0	2.1	1.7 J	0.77 J	0.95 J	0.68 J	0.53 J	4.7 U	1.6 J	1.7 J	0.62 J	1.9 U
Ethylthiophene, 2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	4.6 U	2.3 U	0.92 U	0.92 U	0.92 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	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	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
Ethyltoluene, p-	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	4.9 U	2.5 U	0.98 U	0.98 U	0.98 U
Heptane, n-	0.82 U	0.34 J	1.4	0.82 U	0.82 U	7.2	8.6	53	0.91	4.1 UJ	2.0 U	0.82 U	0.82 U	0.82 U
Hexachlorobutadiene	2.1 UJ	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	11 U	5.3 UJ	2.1 UJ	2.1 U	2.1 U
Hexane, n-	0.18 J	2.7	5.1	1.8	0.71 J	12 J	14 J	93	81	71 J	18	0.75	0.70 U	0.70 U
Hexanone, 2-	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	4.1 U	5.1 U	2.0 U	0.82 U	0.82 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	4.8 U	2.4 U	0.97 U	0.97 U	0.97 U
Indene	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	4.8 U	2.4 U	0.95 U	0.95 U	0.95 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	3.6 U	1.8 U	0.72 U	0.72 U	0.72 U
Methyl-2-pentanone, 4-	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	4.1 U	2.0 U	0.82 U	0.82 U	0.82 U
Methylene chloride	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	30	4.3 U	1.7 U	1.7 U	1.4 J
Methylnaphthalene, 1-	5.8 UJ	5.8 U	5.8 U	5.8 U	5.8 U	5.8 UJ	5.8 UJ	5.8 U	1.2 U	3.5 J	7.3 UJ	2.9 U	5.8 U	1.2 U
Methylnaphthalene, 2-	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	2.0 J	7.3 U	2.9 U	5.8 U	0.33 J
Methylthiophene, 2-	0.8 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	4.0 U	2.0 U	0.80 U	0.80 U	0.80 U
Methylthiophene, 3-	0.8 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	4.0 U	2.0 U	0.80 U	0.80 U	0.80 U
Naphthalene	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	5.2 U	2.6 U	1.0 U	1.0 U	1.0 U
Nonane	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	5.2 U	2.6 U	1.0 U	1.0 U	1.0 U
Octane, n-	0.37 J	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	5.2	0.93 UJ	4.7 U	2.3 U	0.93 U	0.93 U	0.93 U
Pentane	0.59 U	2.6	3.3	1.6	0.66	10	12	45	78	61	30	3.4	0.74	0.58 J
Propanol, 2-	1.2 U	1.2 U	2.5	1.2 U	1.4	1.2 U	1.2 U	1.2 UJ	0.49 UJ	3.2 U	3.1 UJ	1.2 U	0.49 UJ	1.2 U
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	4.3 U	2.1 U	0.85 U	0.85 U	0.85 U
t-Butyl alcohol	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	7.6 U	1.5 U	0.61 U	0.61 U	0.61 U
Tetrachloroethane, 1,1,2,2-	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	6.9 U	3.4 U	1.4 U	1.4 U	1.4 U
Tetrachloroethene	1.1 J	1.0 J	0.86 J	1.0 J	0.94 J	1.6	0.81 J	0.98 J	1.0 J	6.8 U	1.6 J	1.8	2.6	4.0
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	5.5 U	6.9 UJ	2.7 U	5.5 U	1.1 U
Thiophene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	3.4 U	1.7 U	0.69 U	0.69 U	0.69 U
Trans-1,2-dichloroethene	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	4.0 U	2.0 U	0.79 U	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	0.55 J	0.48 J	0.53 J	0.41 J	1.5 U	0.60 J	1.5 U	1.5 U	0.39 J	7.7 U	3.8 U	1.5 U	1.5 U	1.5 U
Trichlorobenzene, 1,2,4-	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	7.4 U	3.7 U	1.5 U	1.5 U	1.5 U
Trichloroethane, 1,1,1-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	5.4 U	2.7 U	1.1 U	0.33 J	1.6
Trichloroethane, 1,1,2-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	5.4 U	2.7 U	1.1 U	1.1 U	1.1 U
Trichloroethene	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	5.4 U	2.7 U	1.1 U	1.1 U	1.1 U
Trichlorofluoromethane	1.9	1.9	1.8	1.9	1.3	1.7	1.7	1.2	1.2	5.6 U	0.79 J	0.75 J	0.84 J	0.40 J
Trimethylbenzene, 1,2,3-	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	4.9 U	2.5 U	0.98 U	0.98 U	0.98 U
Trimethylbenzene, 1,2,4-	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	4.9 U	2.5 U	0.98 U	0.98 U	0.98 U
Trimethylbenzene, 1,3,5-	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	4.9 U	2.5 U	0.98 U	0.98 U	0.98 U
Trimethylpentane, 2,2,4-	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	44	0.93 U	4.7 U	89	47	0.93 UJ	0.93 U
Undecane, n-	1.1 J	1.3 U	2.9	1.3 U	0.62 J	0.56 J	3.0	1.3 U	1.3 U	1.6 J	3.2 U	1.3 U	0.51 J	1.3 U
Vinyl bromide	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	4.4 U	2.2 U	0.87 U	0.87 U	0.87 U
Vinyl chloride	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	2.6 U	1.3 U	0.51 U	0.51 U	0.51 U
Other (%)														
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.9	3.88
Helium	0.015	0.015	0.03	0.0168	0.0157	0.0196	0.0201	0.0172	0.016	0.0187	0.0219	0.029	0.0181	0.0188 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	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	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-39 12/30/2008	OU2SG-39A 1/20/2009
BTEX (ug/m3)														
Benzene	0.36 J	0.19 J	3.2 U	1.6 U	1.6 U	1.3 U	0.77 J	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	0.21 J	3.2 U
Toluene	0.22 J	0.34 J	3.8 U	1.9 U	1.9 U	1.5 U	3.6	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6	7.3
Ethylbenzene	0.87 U	0.87 U	4.3 U	2.2 U	2.2 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
Xylene, m,p-	1.7 U	1.7 U	8.7 U	4.3 U	4.3 U	3.5 U	0.87 J	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	4.0	130
Xylene, o-	0.87 U	0.87 U	4.3 U	2.2 U	2.2 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
Other VOCs (ug/m3)														
Acetaldehyde	4.5 U	15	22 U	9.7 U	4.5 U	9.0 U	9.0 U	9.0 U	9.0 U	9.0 U	9.0 U	9.0 U	8.0 J	4.2 J
Acetone	2.4 U	6.9 U	11 U	3.6 U	4.5 U	1.3 J	3.6 UJ	4.8 U	3.6 UJ	2.0 J	1.8 J	2.8 J	2.7 U	6.8 U
Acrolein (propenal)	1.2 UJ	0.60 J	5.7 U	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	0.46 U
Allyl chloride	0.63 U	0.63 U	3.1 U	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	0.63 U
Benzothiophene	1.1 U	1.1 UJ	5.5 UJ	2.7 U	2.7 U	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 UJ
Bromodichloromethane	1.3 U	1.3 U	6.7 U	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	1.3 U
Bromoform	2.1 UJ	2.1 U	10 U	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	2.1 U
Bromomethane	0.78 U	0.78 U	3.9 U	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	0.78 U
Butadiene, 1,3-	0.44 U	0.44 U	2.2 U	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	0.44 U
Butane	0.48 U	0.48 U	2.4 U	1.2 U	1.2 U	0.95 U	1.4	0.62 J	1.2	0.29 J	0.95 U	0.95 U	0.90	2.4 U
Butanone, 2-	0.30 J	1.6	3.0 U	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	0.43 J	3.0 U
Carbon disulfide	2.3	3.8	2.1 U	1.6 U	1.6 U	0.44 J	0.56 J	1.2 U	0.31 J	1.2 U	1.2 U	1.2 U	0.58 J	3.1 U
Carbon tetrachloride	1.3 U	1.3 U	6.3 U	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	1.3 U	6.3 U
Chlorobenzene	0.92 U	0.92 U	4.6 U	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	0.92 U	4.6 U
Chloroethane	0.53 U	0.53 U	2.6 U	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	0.53 U	2.6 U
Chloroform	2.2	1.8	4.9 U	2.4 U	2.4 U	0.68 J	0.78 J	2.0 U	2.0 U	0.78 J	0.59 J	2.5	41	15
Chloromethane	0.11 J	0.14 J	2.1 U	1.0 U	1.0 U	0.83 U	0.50 J	0.25 J	0.83 U	0.83 U	0.83 U	0.83 U	0.29 J	2.1 U
Chlorotoluene, 2-	1.0 U	1.0 U	5.2 U	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	1.0 U	5.2 U
Cryofluorane	1.4 U	1.4 U	7.0 U	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	1.4 U	7.0 U
Cyclohexane	0.69 U	0.69 U	3.4 U	1.7 U	1.7 U	1.4 U	1.6 J	1.4 U	0.89 J	1.4 U	1.4 U	1.4 U	0.69 U	3.4 U
Decane, n-	1.2 U	1.2 U	5.8 U	2.9 U	2.9 U	2.3 U	54	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	8.4	1200
Dibromochloromethane	1.7 U	1.7 U	8.5 U	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	1.7 U	8.5 U
Dibromoethane, 1,2-	1.5 U	1.5 U	7.7 U	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	1.5 U	7.7 U
Dichlorobenzene, 1,2-	1.2 U	1.2 U	6.0 U	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	1.2 U	6.0 U
Dichlorobenzene, 1,3-	1.2 U	1.2 U	6.0 U	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	1.2 U	6.0 U
Dichlorobenzene, 1,4-	1.2 U	0.36 J	6.0 U	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	1.2 U	6.0 U
Dichlorodifluoromethane	0.46 J	0.79 J	4.9 U	0.74 J	0.62 J	0.89 J	1.2 J	0.59 J	0.69 J	1.2 J	0.89 J	0.92 J	5.1	5.1
Dichloroethane, 1,1-	0.81 U	0.81 U	4.0 U	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	0.81 U	4.0 U
Dichloroethane, 1,2-	0.81 U	0.81 U	4.0 U	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	0.81 U	4.0 U
Dichloroethene, 1,1-	0.79 U	0.79 U	4.0 U	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	0.79 U	4.0 U
Dichloroethene, cis-1,2-	0.79 U	0.79 U	4.0 U	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	0.79 U	4.0 U
Dichloropropane, 1,2-	0.92 U	0.92 U	4.6 U	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	0.92 U	4.6 U
Dichloropropene, cis-1,3	0.91 U	0.91 U	4.5 U	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	0.91 U	4.5 U
Dichloropropene, trans-1,3	0.91 U	0.91 U	4.5 U	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	0.91 U	4.5 U
Dioxane, 1,4-	0.72 UJ	0.72 U	3.6 U	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	0.72 U	3.6 U
Dodecane, n-	1.4 U	0.35 J	7.0 U	3.5 U	3.5 U	2.8 U	28	1.5 J	2.8 U	2.8 U	3.9 J	1.1 J	4.8 J	200 J
Ethanol	4.1	2.7	9.4 UJ	1.4 J	1.4 J	3.8 U	5.0	1.1 J	3.8 U	1.2 J	1.4 J	0.97 J	11	9.4 U
Ethylthiophene, 2-	0.92 U	0.92 U	4.6 U	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	0.92 U	4.6 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	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	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-39 12/30/2008	OU2SG-39A 1/20/2009
Ethyltoluene, p-	0.98 U	0.98 U	4.9 U	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	0.99	110
Heptane, n-	0.82 U	0.82 U	4.1 U	2.0 U	2.0 U	1.6 U	1.9	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.82 U	2.0 J
Hexachlorobutadiene	2.1 U	2.1 U	11 U	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	2.1 U	11 UJ
Hexane, n-	0.70 U	0.70 U	3.5 U	1.8 U	1.8 U	1.4 U	0.85 J	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.70 U	3.5 U
Hexanone, 2-	0.82 U	0.82 U	4.1 U	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	0.82 U	4.1 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	0.97 UJ	0.97 U	4.8 U	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	0.78 J	150
Indene	0.95 UJ	0.95 U	4.8 U	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	0.95 U	4.8 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	0.72 U	0.72 U	3.6 U	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	0.72 U	3.6 U
Methyl-2-pentanone, 4-	0.82 U	0.82 U	4.1 UJ	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	1.0	4.1 U
Methylene chloride	0.58 J	0.94 J	2.3 J	4.3 U	4.3 U	3.5 U	3.4 U	3.5 U	3.5 U	3.5 U	0.97 J	1.0 J	1.7 U	3.4 U
Methylnaphthalene, 1-	1.2 U	1.2 UJ	5.8 UJ	2.9 U	2.9 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	5.8 UJ	5.8 U	R	5.4 J
Methylnaphthalene, 2-	1.2 U	1.2 U	5.8 UJ	2.9 U	2.9 U	2.3 UJ	2.3 U	2.3 U	2.3 U	2.3 U	5.8 UJ	5.8 U	14 UJ	12 J
Methylthiophene, 2-	0.80 U	0.80 U	4.0 U	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	0.80 U	4.0 U
Methylthiophene, 3-	0.80 U	0.80 U	4.0 U	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	0.80 U	4.0 U
Naphthalene	1.0 U	0.42 J	5.2 U	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	1.0 UJ	14
Nonane	1.0 U	1.0 U	5.2 U	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	4.4	390
Octane, n-	0.93 U	0.93 U	4.7 U	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	1.3	38
Pentane	0.19 J	0.59 U	3.0 U	1.5 U	1.5 U	1.2 U	2200	0.47 J	1.2 U	1.2 U	1.2 U	1.2 U	0.59 U	3.0 U
Propanol, 2-	1.2 U	2.0 U	6.1 U	3.0 U	3.0 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
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.85 U	0.85 U	4.3 U	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	0.85 U	4.3 U
t-Butyl alcohol	0.61 U	0.61 U	3.0 U	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	0.61 U	3.0 U
Tetrachloroethane, 1,1,2,2-	1.4 U	1.4 U	6.9 U	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	1.4 U	6.9 U
Tetrachloroethene	13	19	16	11	7.6	7.4	2.0 J	2.6 J	3.2	4.6	6.1	15	0.45 J	6.8 U
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	1.1 U	1.1 UJ	5.5 UJ	2.7 UJ	2.7 U	2.2 UJ	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	1.2	380 J
Thiophene	0.69 U	0.69 U	3.4 U	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	0.69 U	3.4 U
Trans-1,2-dichloroethene	0.79 U	0.79 U	4.0 U	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	0.79 U	4.0 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	1.5 U	1.5 U	7.7 U	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	1.0 J	7.7 U
Trichlorobenzene, 1,2,4-	1.5 U	1.5 U	7.4 U	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	1.5 UJ	7.4 U
Trichloroethane, 1,1,1-	1.2	1.9	3.3 J	3.3	3.8	2.4	1.4 J	1.1 J	1.2 J	0.76 J	0.98 J	1.9 J	1.1 U	5.4 U
Trichloroethane, 1,1,2-	1.1 U	1.1 U	5.4 U	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	1.1 U	5.4 U
Trichloroethene	1.1 U	1.1 U	5.4 U	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	1.1 U	5.4 U
Trichlorofluoromethane	2.0	2.3	1.4 J	0.84 J	2.8 U	0.90 J	0.79 J	2.2 U	2.2 U	0.56 J	0.67 J	0.83 J	11	6.5
Trimethylbenzene, 1,2,3-	0.98 U	0.98 U	4.9 U	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	5.0	290
Trimethylbenzene, 1,2,4-	0.98 U	0.98 U	4.9 U	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	1.6 J	720
Trimethylbenzene, 1,3,5-	0.98 U	0.98 U	4.9 U	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	1.8	180
Trimethylpentane, 2,2,4-	0.93 U	0.93 U	4.7 U	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	0.93 U	4.7 U
Undecane, n-	1.3 U	1.3 U	6.4 U	3.2 U	3.2 U	2.6 U	95	2.6 U	2.6 U	2.6 U	1.2 J	2.6 U	4.7	990
Vinyl bromide	0.87 U	0.87 U	4.4 U	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	0.87 U	4.4 U
Vinyl chloride	0.51 U	0.51 U	2.6 U	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	0.51 U	2.6 U
Other (%)														
Carbon Dioxide	4.5	6.54	6.41	5.09	4.72	3.8	2.2	2.51	2.8	1.82	2.41	5.86	NA	NA
Helium	0.0182	0.021 U	0.0176 U	0.0162 U	0.00304 U	0.0173 U	0.0131 U	0.015 U	0.0171 U	0.0181 U	0.0178 U	0.0187 U	0.0196	0.0139

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG-39P 1/20/2009	OU2SG-39A 1/21/2009	OU2SG-39P 1/21/2009	OU2SG-39 1/22/2009	OU2SG-39 1/23/2009	OU2SG-39 1/25/2009	OU2SG-39 1/26/2009	OU2SG-39 1/30/2009	OU2SG-39 2/5/2009	OU2SG-39 2/13/2009	OU2SG-39 2/23/2009	OU2SG-39 3/25/2009	OU2SG-39 4/14/2009	OU2SG-39 5/11/2009
BTEX (ug/m3)														
Benzene	3.2 U	1.3 U	1.3 U	0.35 J	3.2 U	3.2 U	3.2 U	3.2 U	1.6 U	1.6 U	3.2 U	0.33 J	0.38 J	0.94 U
Toluene	2.2 J	1.4 J	0.65 J	1.5	3.9	2.0 J	2.1 J	3.2 J	1.4 J	0.57 J	3.8 U	4.5	5.0	2.7
Ethylbenzene	10	4.4	2.0	3.1	5.9	4.6	4.6	5.4	4.3	0.90 J	4.3 U	16 J	11	3.1
Xylene, m,p-	62	27	12	18	33	26	26	30	25	5.6	4.0 J	65	25	6.9
Xylene, o-	40	17	9.3	10	17	15	15	17	15	3.9	2.4 J	34	23	6.1
Other VOCs (ug/m3)														
Acetaldehyde	9 UJ	6.3 U	3.6 UJ	3.6 UJ	5.3 J	9.0 UJ	9.0 UJ	9.0 UJ	4.5 UJ	11 U	9.0 U	5.5 J	3.6 U	4.5 UJ
Acetone	7 U	3.8 U	2.6 U	3.4 U	6.9 U	6.0 U	6.0 U	6.6 U	4.5 UJ	3.9 U	5.9 U	2.7 J	1.8 U	2.8 U
Acrolein (propenal)	2.3 U	0.92 U	0.92 U	0.92 U	2.3 U	2.3 U	2.3 U	2.3 U	1.2 U	1.2 U	2.3 U	0.46 U	0.46 U	1.2 U
Allyl chloride	3.1 U	1.2 U	1.2 U	1.2 U	3.1 U	3.1 U	3.1 U	3.1 U	1.6 U	1.6 U	3.1 U	0.63 U	0.63 U	0.63 U
Benzothiophene	5.5 U	2.2 U	2.2 U	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
Bromodichloromethane	6.7 U	2.7 U	2.7 U	2.7 U	6.7 U	6.7 U	6.7 U	6.7 U	3.4 U	3.4 U	6.7 U	1.3 U	1.3 U	1.3 U
Bromoform	10 U	4.1 U	4.1 U	4.1 U	10 U	10 U	10 U	10 U	5.2 U	5.2 U	10 U	2.1 U	2.1 U	2.1 U
Bromomethane	3.9 U	1.6 U	1.6 U	1.6 U	3.9 U	3.9 U	3.9 U	3.9 U	1.9 U	1.9 U	3.9 U	0.78 U	0.78 U	0.78 U
Butadiene, 1,3-	2.2 U	0.88 U	0.88 U	0.88 U	2.2 U	2.2 U	2.2 U	2.2 U	1.1 U	1.1 UJ	2.2 U	0.44 U	0.44 U	0.44 U
Butane	2.4 U	0.76 J	0.95 U	0.72 J	2.4 U	2.4 U	2.4 U	1.2 J	0.94 J	0.65 J	1.1 J	0.82	0.83	1.1
Butanone, 2-	3 U	1.4	1.2	1.2 U	3.0 U	3.0 U	3.0 U	3.0 U	0.76 J	1.5 U	3.0 U	0.74	0.59 U	0.34 J
Carbon disulfide	3.1 U	1.2 U	1.2 U	1.2 U	3.1 U	3.1 U	3.1 U	1.0 J	0.49 J	0.62 J	3.1 U	0.43 J	0.62 U	1.0
Carbon tetrachloride	6.3 U	2.5 U	2.5 U	2.5 U	6.3 U	6.3 U	6.3 U	6.3 U	3.1 U	3.1 U	6.3 U	1.3 U	1.3 U	1.3 U
Chlorobenzene	4.6 U	1.8 U	1.8 U	1.8 U	4.6 U	4.6 U	4.6 U	4.6 U	2.3 U	2.3 U	4.6 U	0.92 U	0.92 U	0.92 U
Chloroethane	2.6 U	1.0 U	1.0 U	1.0 U	2.6 U	2.6 U	2.6 U	2.6 U	1.3 U	1.3 U	2.6 U	0.53 U	0.53 U	0.53 U
Chloroform	14	13	15	14	12	11	11	11	10	9.8	10	11	13	13
Chloromethane	2.1 U	0.83 U	0.83 U	0.23 J	2.1 U	2.1 U	2.1 U	2.1 U	1.0 U	1.0 U	2.1 U	0.41 U	0.12 J	0.15 J
Chlorotoluene, 2-	5.2 U	2.1 U	2.1 U	2.1 U	5.2 U	5.2 U	5.2 U	5.2 U	2.6 U	2.6 U	5.2 U	1.0 U	1.0 U	1.0 U
Cryofluorane	7 U	2.8 U	2.8 U	2.8 U	7.0 U	7.0 U	7.0 U	7.0 U	3.5 U	3.5 U	7.0 U	1.4 U	1.4 U	1.4 U
Cyclohexane	3.4 U	1.4 U	1.4 U	1.4 U	3.4 U	3.4 U	3.4 U	3.4 U	1.7 U	1.7 U	3.4 U	0.25 J	0.52 J	1.4
Decane, n-	1300	920	900	760	570	430	380	390	330	230	66	270	200	1.2 U
Dibromochloromethane	8.5 U	3.4 U	3.4 U	3.4 U	8.5 U	8.5 U	8.5 U	8.5 U	4.3 U	4.3 U	8.5 U	1.7 U	1.7 U	1.7 U
Dibromoethane, 1,2-	7.7 U	3.1 U	3.1 U	3.1 U	7.7 U	7.7 U	7.7 U	7.7 U	3.8 U	3.8 U	7.7 U	1.5 U	1.5 U	1.5 U
Dichlorobenzene, 1,2-	6 U	2.4 U	2.4 U	2.4 U	6.0 U	6.0 U	6.0 U	6.0 U	3.0 U	3.0 U	6.0 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,3-	6 U	2.4 U	2.4 U	2.4 U	6.0 U	6.0 U	6.0 U	6.0 U	3.0 U	3.0 U	6.0 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,4-	6 U	2.4 U	2.4 U	2.4 U	6.0 U	6.0 U	6.0 U	6.0 U	3.0 U	3.0 U	6.0 U	1.2 U	1.2 U	1.2 U
Dichlorodifluoromethane	5.4	4.7	4.8	4.9	4.7 J	4.6 J	4.8 J	5.2	3.8	4.0	4.2 J	4.0	4.0	2.5
Dichloroethane, 1,1-	4 U	1.6 U	1.6 U	1.6 U	4.0 U	4.0 U	4.0 U	4.0 U	2.0 U	2.0 U	4.0 U	0.81 U	0.81 U	0.81 U
Dichloroethane, 1,2-	4 U	1.6 U	1.6 U	1.6 U	4.0 U	4.0 U	4.0 U	4.0 U	2.0 U	2.0 U	4.0 U	0.81 UJ	0.81 U	0.81 U
Dichloroethene, 1,1-	4 U	1.6 U	1.6 U	1.6 U	4.0 U	4.0 U	4.0 U	4.0 U	2.0 U	2.0 U	4.0 U	0.79 U	0.79 U	0.79 U
Dichloroethene, cis-1,2-	4 U	1.6 U	1.6 U	1.6 U	4.0 U	4.0 U	4.0 U	4.0 U	2.0 U	2.0 U	4.0 U	0.79 U	0.79 U	0.79 U
Dichloropropane, 1,2-	4.6 U	1.8 U	1.8 U	1.8 U	4.6 U	4.6 U	4.6 U	4.6 U	2.3 U	2.3 U	4.6 U	0.92 U	0.92 U	0.92 U
Dichloropropene, cis-1,3	4.5 U	1.8 U	1.8 U	1.8 U	4.5 U	4.5 U	4.5 U	4.5 U	2.3 U	2.3 U	4.5 U	0.91 U	0.91 U	0.91 U
Dichloropropene, trans-1,3	4.5 U	1.8 U	1.8 U	1.8 U	4.5 U	4.5 U	4.5 U	4.5 U	2.3 U	2.3 U	4.5 U	0.91 U	0.91 U	0.91 U
Dioxane, 1,4-	3.6 U	1.4 U	1.4 U	1.4 U	3.6 U	3.6 U	3.6 U	3.6 U	1.8 U	1.8 U	3.6 U	0.72 U	0.72 U	0.72 U
Dodecane, n-	480	250	430	320	480	270	290	500	230 J	510 J	280	300 J	130	1.4 UJ
Ethanol	9.4 U	1.9 J	1.1 J	2.5 J	2.9 J	4.7 J	3.7 J	4.9 J	2.6 J	4.7 U	3.5 J	5.9	1.6 J	2.9 U
Ethylthiophene, 2-	4.6 U	1.8 U	1.8 U	1.8 U	4.6 U	4.6 U	4.6 U	4.6 U	2.3 U	2.3 U	4.6 U	0.92 U	0.92 U	0.92 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
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Sample Name: Sample Date:	OU2SG-39P 1/20/2009	OU2SG-39A 1/21/2009	OU2SG-39P 1/21/2009	OU2SG-39 1/22/2009	OU2SG-39 1/23/2009	OU2SG-39 1/25/2009	OU2SG-39 1/26/2009	OU2SG-39 1/30/2009	OU2SG-39 2/5/2009	OU2SG-39 2/13/2009	OU2SG-39 2/23/2009	OU2SG-39 3/25/2009	OU2SG-39 4/14/2009	OU2SG-39 5/11/2009
Ethyltoluene, p-	88	54	40	32	32	28	27	29	27	12	4.4 J	38	80	6.9
Heptane, n-	4.1 U	1.6 U	1.6 U	0.56 J	1.3 J	4.1 U	4.1 U	4.1 U	2.0 U	2.0 UJ	4.1 U	1.3	0.86	0.82 U
Hexachlorobutadiene	11 UJ	4.3 U	4.3 U	4.3 U	11 U	11 U	11 U	11 U	5.3 U	5.3 U	11 U	2.1 UJ	2.1 U	2.1 U
Hexane, n-	3.5 U	1.4 U	1.4 U	1.4 U	3.5 U	3.5 U	3.5 U	3.5 U	1.8 U	1.8 UJ	3.5 U	0.38 J	0.35 J	0.70 U
Hexanone, 2-	4.1 U	1.6 U	1.6 U	1.6 U	4.1 U	4.1 U	4.1 U	4.1 U	2.0 U	2.0 U	10 U	2.0 U	0.82 U	0.82 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	150	110	98	80	67	52	50	53	52	34	11	49	29	5.8
Indene	4.8 U	1.9 U	1.9 U	1.9 U	4.8 U	4.8 U	4.8 U	4.8 U	2.4 U	2.4 U	4.8 U	0.95 U	0.95 U	0.95 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	3.6 U	1.4 U	1.4 U	1.4 U	3.6 U	3.6 U	3.6 U	3.6 U	1.8 U	1.8 U	3.6 U	0.72 U	0.72 U	0.72 U
Methyl-2-pentanone, 4-	4.1 U	1.6 U	1.6 U	1.6 U	4.1 U	4.1 U	4.1 U	4.1 U	2.0 U	2.0 U	4.1 U	1.2	0.82 U	0.85
Methylene chloride	3.4 U	1.4 U	1.4 U	1.5 U	3.4 U	3.4 U	3.4 U	3.4 U	1.7 U	1.7 U	3.4 U	1.7 U	1.7 U	1.0 J
Methylnaphthalene, 1-	32 J	21 J	37 J	24 J	32 J	11 J	16 J	38 J	15	36 J	28	34 J	4.0 J	1.2 U
Methylnaphthalene, 2-	66 J	45 J	80 J	46 J	61 J	22 J	37 J	72 J	30	77	50	67 J	5.2 J	1.2 UJ
Methylthiophene, 2-	4 U	1.6 U	1.6 U	1.6 U	4.0 U	4.0 U	4.0 U	4.0 U	2.0 U	2.0 U	4.0 U	0.80 U	0.80 U	0.80 U
Methylthiophene, 3-	4 U	1.6 U	1.6 U	1.6 U	4.0 U	4.0 U	4.0 U	4.0 U	2.0 U	2.0 U	4.0 U	0.80 U	0.80 U	0.80 U
Naphthalene	29	21	27	25	27	18	18	17	12	16	6.4	1.0 UJ	1.0 UJ	1.0 U
Nonane	280	130	86	74	86	68	68	76	74	23	7.8	96	75	1.0 U
Octane, n-	15	5.4	1.8 J	4.5	9.5	6.0	6.3	7.4	5.6	2.3 U	4.7 U	9.9	11	0.28 J
Pentane	3 U	1.2 U	1.2 U	1.2 U	3.0 U	3.0 U	3.0 U	3.0 U	1.5 U	1.5 U	3.0 U	0.63	0.53 J	1.0
Propanol, 2-	6.1 U	2.5 U	2.5 U	2.5 U	6.1 U	6.1 U	6.1 U	6.1 U	1.2 U	1.2 U	6.1 U	1.2 U	0.49 UJ	1.2 U
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	4.3 U	1.7 U	1.7 U	1.7 U	4.3 U	4.3 U	4.3 U	4.3 U	2.1 U	2.1 U	4.3 U	1.3	0.43 J	0.33 J
t-Butyl alcohol	3 U	1.2 U	1.2 U	1.2 U	3.0 U	3.0 U	3.0 U	3.0 U	1.5 U	3.8 U	3.0 U	0.16 J	0.61 U	0.61 U
Tetrachloroethane, 1,1,2,2-	6.9 U	2.7 U	2.7 U	2.7 U	6.9 U	6.9 U	6.9 U	6.9 U	3.4 U	3.4 U	6.9 U	1.4 U	1.4 U	1.4 U
Tetrachloroethene	6.8 U	2.7 U	2.7 U	2.7 U	6.8 U	6.8 U	6.8 U	6.8 U	3.4 U	3.4 U	6.8 U	1.4 U	0.34 J	0.88 J
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	550 J	440 J	510 J	480 J	420 J	310 J	270 J	280 J	220 J	270 J	94	160	220 J	35 J
Thiophene	3.4 U	1.4 U	1.4 U	1.4 U	3.4 U	3.4 U	3.4 U	3.4 U	1.7 U	1.7 U	3.4 U	0.69 U	0.69 U	0.69 U
Trans-1,2-dichloroethene	4 U	1.6 U	1.6 U	1.6 U	4.0 U	4.0 U	4.0 U	4.0 U	2.0 U	2.0 U	4.0 U	0.79 U	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	7.7 U	3.1 U	3.1 U	3.1 U	7.7 U	7.7 U	7.7 U	7.7 U	3.8 U	3.8 U	7.7 U	0.55 J	0.92 J	1.4 J
Trichlorobenzene, 1,2,4-	7.4 U	3.0 U	3.0 U	3.0 U	7.4 U	7.4 U	7.4 U	7.4 U	3.7 U	3.7 U	7.4 U	1.5 U	1.5 U	1.5 U
Trichloroethane, 1,1,1-	5.4 U	2.2 U	2.2 U	2.2 U	5.4 U	5.4 U	5.4 U	5.4 U	2.7 U	2.7 U	5.4 U	1.1 U	1.1 U	1.1 U
Trichloroethane, 1,1,2-	5.4 U	2.2 U	2.2 U	2.2 U	5.4 U	5.4 U	5.4 U	5.4 U	2.7 U	2.7 U	5.4 U	1.1 U	1.1 U	1.1 U
Trichloroethene	5.4 U	2.2 U	2.2 U	2.2 U	5.4 U	5.4 U	5.4 U	5.4 U	2.7 U	2.7 U	5.4 U	1.1 U	1.1 U	1.1 U
Trichlorofluoromethane	7.2	6.4	7.0	6.9	7.1	6.5	6.6	7.0	5.4	7.2	6.8	7.6	11	19
Trimethylbenzene, 1,2,3-	300	210	200	160	130	100	94	100	94	55	23	100	160	16
Trimethylbenzene, 1,2,4-	690	460	380	300	250	210	190	210	200	100	38	220	56	11
Trimethylbenzene, 1,3,5-	160	96	75	60	60	50	46	53	46	20	9.1	64	93	10
Trimethylpentane, 2,2,4-	4.7 U	1.9 U	1.9 U	1.9 U	4.7 U	4.7 U	4.7 U	4.7 U	2.3 U	2.3 U	4.7 U	0.93 U	0.93 U	0.93 U
Undecane, n-	1500	1200	1600	1500	1300	980	810	870	600	850	270	430	220	1.3 UJ
Vinyl bromide	4.4 U	1.8 U	1.8 U	1.8 U	4.4 U	4.4 U	4.4 U	4.4 U	2.2 U	2.2 U	4.4 U	0.87 U	0.87 U	0.87 U
Vinyl chloride	2.6 U	1.0 U	1.0 U	1.0 U	2.6 U	2.6 U	2.6 U	2.6 U	1.3 U	1.3 U	2.6 U	0.51 U	0.51 U	0.51 U
Other (%)														
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.16	6.16
Helium	0.0148	0.0156	0.0165	0.0192	0.0196	0.0163	0.0166	0.0155	0.0147	0.034	0.0197	0.02	0.0214	0.0175 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG-39 6/16/2009	OU2SG-39 7/30/2009	OU2SG-39 8/26/2009	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	OU3SG-01 9/20/2007	OU3SG-01 12/19/2007
BTEX (ug/m3)														
Benzene	0.87 U	0.26 J	3.2 U	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	0.50 J	0.89
Toluene	2.8	1.2	3.8 U	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	3.8	49
Ethylbenzene	4.5	0.48 J	1.1 J	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	1.9 U	4.2
Xylene, m,p-	11	1.5 J	2.8 J	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	0.58 J	16
Xylene, o-	8.4	0.87	2.0 J	2.2 U	2.2 U	0.52 J	1.7 U	10	2.5	1.7 U	0.43 J	1.7 U	0.67 J	6.5
Other VOCs (ug/m3)														
Acetaldehyde	4.5 UJ	26 J	26 U	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	21	1.8 U
Acetone	2.4 U	9.7 U	16 UJ	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	7.0	2.8 U
Acrolein (propenal)	1.2 UJ	0.64 J	5.7 U	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	1.0 U	0.46 U
Allyl chloride	0.63 U	0.63 U	3.1 U	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	1.4 U	0.63 UJ
Benzothiophene	1.1 U	1.1 UJ	5.5 UJ	2.7 U	2.7 U	2.2 UJ	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	5.5 U	2.4 U
Bromodichloromethane	1.3 U	1.3 U	6.7 U	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	3.0 U	1.3 U
Bromoform	2.1 U	2.1 U	10 U	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	4.6 U	2.1 U
Bromomethane	0.78 U	0.78 U	3.9 U	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	1.7 U	0.78 U
Butadiene, 1,3-	0.44 U	0.44 U	2.2 U	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	0.44 U
Butane	1.3	3.8	2.0 J	1.7	2.0	2.9	3.0	0.71 J	0.95 U	0.48 J	0.95 U	0.50 J	1.0 U	2.9
Butanone, 2-	0.39 J	1.5	3.0 U	1.5 U	1.5 U	2.1	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.57 J	1.8
Carbon disulfide	0.40 J	0.90 U	3.1 U	1.6 U	1.6 U	2.6	1.7	1.2 J	1.0 J	1.2 U	1.2 U	1.2 U	1.3 U	3.0
Carbon tetrachloride	1.3 U	1.3 U	6.3 U	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	2.8 U	1.3 U
Chlorobenzene	0.92 U	0.92 U	4.6 U	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	2.0 U	0.92 U
Chloroethane	0.53 U	0.53 U	2.6 U	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	1.2 U	0.53 U
Chloroform	7.4	6.9	5.8	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	3.7	0.54 J
Chloromethane	0.41 U	0.29 J	0.52 J	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	0.92 U	0.41 U
Chlorotoluene, 2-	1.0 U	1.0 U	5.2 U	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	2.3 U	1.0 U
Cryofluorane	1.4 U	1.4 U	7.0 U	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	3.1 U	1.4 U
Cyclohexane	0.22 J	0.65 J	3.4 U	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	1.8	0.21 J
Decane, n-	1.2 U	1.2 UJ	20 J	2.9 U	2.9 U	2.3 U	2.3 U	420	82	2.3 UJ	2.3 UJ	2.3 U	2.6 U	1.9
Dibromochloromethane	1.7 U	1.7 U	8.5 U	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	3.8 U	1.7 U
Dibromoethane, 1,2-	1.5 U	1.5 U	7.7 U	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	3.4 U	1.5 U
Dichlorobenzene, 1,2-	1.2 U	1.2 U	6.0 U	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	2.7 U	1.2 U
Dichlorobenzene, 1,3-	1.2 U	1.2 U	6.0 U	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	2.7 U	0.84 J
Dichlorobenzene, 1,4-	1.2 U	1.2 U	6.0 U	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	2.7 U	0.72 J
Dichlorodifluoromethane	1.4	2.1	3.2 J	2.6	2.0 J	2.3	2.2	1.3 J	1.8 J	1.8 J	2.2	2.3	2.7	2.8
Dichloroethane, 1,1-	0.81 U	0.81 U	4.0 U	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	1.8 U	0.81 U
Dichloroethane, 1,2-	0.81 U	0.81 U	4.0 U	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	1.8 U	0.81 U
Dichloroethene, 1,1-	0.79 U	0.79 U	4.0 U	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	1.8 U	0.79 U
Dichloroethene, cis-1,2-	0.79 U	0.79 U	4.0 U	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	1.8 U	0.79 U
Dichloropropane, 1,2-	0.92 U	0.92 U	4.6 U	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	2.0 U	0.92 U
Dichloropropene, cis-1,3	0.91 U	0.91 U	4.5 U	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	2.0 U	0.91 U
Dichloropropene, trans-1,3	0.91 U	0.91 U	4.5 U	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	2.0 U	0.91 U
Dioxane, 1,4-	0.72 UJ	0.72 U	3.6 U	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	1.6 U	1.8 U
Dodecane, n-	1.4 U	1.4 UJ	7.0 UJ	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	1.8 J	1.2 J
Ethanol	2.6 U	1.4 J	9.4 UJ	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	6.6	21
Ethylthiophene, 2-	0.92 U	0.92 U	4.6 U	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	2.0 U	0.92 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU2SG-39 6/16/2009	OU2SG-39 7/30/2009	OU2SG-39 8/26/2009	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	OU3SG-01 9/20/2007	OU3SG-01 12/19/2007
Ethyltoluene, p-	14	0.98 U	4.9 U	2.5 U	2.5 U	2.0 U	2.0 U	36	15	3.6	2.0 U	2.0 U	2.2 U	2.6
Heptane, n-	1.6	4.1	3.7 J	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	1.8 U	13 J
Hexachlorobutadiene	2.1 U	2.1 U	11 U	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	4.7 U	2.1 U
Hexane, n-	1.9	6.8	5.1	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	2.1	0.56 J
Hexanone, 2-	0.82 U	0.82 U	4.1 U	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	1.8 U	0.82 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	19	0.97 U	2.7 J	2.4 U	2.4 U	1.9 U	2.1	22	4.4	1.9 U	1.9 U	1.9 U	2.1 U	1.7
Indene	0.95 U	0.95 U	4.8 U	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	2.1 U	0.95 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	0.72 U	0.72 U	3.6 U	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	1.6 U	0.72 U
Methyl-2-pentanone, 4-	0.82 U	0.82 U	4.1 UJ	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	1.8 U	0.82 U
Methylene chloride	1.7 U	1.7 U	8.7 U	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	2.5	0.69 U
Methylnaphthalene, 1-	1.2 U	1.2 UJ	5.8 UJ	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	2.6 U	14 UJ
Methylnaphthalene, 2-	1.2 U	1.2 U	5.8 UJ	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	2.6 U	14 UJ
Methylthiophene, 2-	0.80 U	0.80 U	4.0 U	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	1.8 U	0.80 U
Methylthiophene, 3-	0.80 U	0.80 U	4.0 U	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	1.8 U	0.80 U
Naphthalene	4.8	1.0 U	5.2 UJ	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	2.3 U	0.42 J
Nonane	2.3	8.5	13	1.3 J	2.6 U	0.63 J	2.1 U	180	56	2.1 U	2.1 U	2.1 U	2.3 U	1.7
Octane, n-	1.8	5.8	5.1	2.3 U	2.3 U	1.9 U	1.9 U	20	12	1.9 U	1.9 U	1.9 U	2.1 U	1.3
Pentane	3.2	9.4	6.5	2.0	2.1	2.6	2.9	1.8	1.1 J	0.88 J	1.2 U	1.2 U	0.52 J	0.83
Propanol, 2-	1.2 U	1.2 U	6.1 U	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	1.6	1.6 J
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.63 J	0.34 J	4.3 U	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	1.9 U	0.26 J
t-Butyl alcohol	0.61 U	0.61 U	3.0 U	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	3.0	0.45 J
Tetrachloroethane, 1,1,2,2-	1.4 U	1.4 U	6.9 U	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	3.0 U	1.4 U
Tetrachloroethene	1.4 U	1.6	2.7 J	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	0.90 J	0.81 J
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	53 J	5.2 J	21 J	2.7 UJ	2.7 U	2.2 UJ	28 J	58	30 J	90	2.2 U	0.99 J	2.4 U	0.77 J
Thiophene	0.69 U	0.69 U	3.4 U	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	1.5 U	0.69 U
Trans-1,2-dichloroethene	0.79 U	0.79 U	4.0 U	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	1.8 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	0.94 J	1.4 J	7.7 U	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	3.4 U	1.5 U
Trichlorobenzene, 1,2,4-	1.5 U	1.5 U	7.4 U	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	3.3 U	1.5 U
Trichloroethane, 1,1,1-	1.1 U	1.1 U	5.4 U	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	1.1 J	1.1 U
Trichloroethane, 1,1,2-	1.1 U	1.1 U	5.4 U	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 U	1.1 U
Trichloroethene	1.1 U	1.1 U	5.4 U	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 U	1.1 U
Trichlorofluoromethane	18	61	72	53	36	34	20	15	18	20	29	44	1.5 J	1.2 U
Trimethylbenzene, 1,2,3-	42	0.64 J	3.9 J	2.5 U	2.5 U	2.0 U	12	68	21	6.5	5.2	0.59 J	0.65 J	2.6
Trimethylbenzene, 1,2,4-	21	1.1	5.2	2.5 U	2.5 U	0.59 J	2.0 U	60	2.6	2.0 U	1.3 J	2.0 U	0.98 J	9.5
Trimethylbenzene, 1,3,5-	15	0.98 U	2.2 J	2.5 U	2.5 U	2.0 U	5.7	42	16	0.59 J	1.3 J	2.0 U	2.2 U	2.7
Trimethylpentane, 2,2,4-	0.93 U	0.93 U	4.7 U	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	2.1 U	0.93 U
Undecane, n-	1.3 UJ	1.3 UJ	6.4 UJ	3.2 U	3.2 U	2.6 U	2.6 U	270	66 J	2.6 UJ	2.6 UJ	2.6 U	1.4 J	1.3
Vinyl bromide	0.87 U	0.87 U	4.4 U	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	1.9 U	0.87 U
Vinyl chloride	0.51 U	0.51 U	2.6 U	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	1.1 U	0.51 U
Other (%)														
Carbon Dioxide	8.67	14.3	15.5	10.8	7.68	5.7	3.49	2.96	2.51	3.07	5.8	11.2	NA	NA
Helium	0.058	0.0299 U	0.0186 U	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	NA	NA

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU3SG-01 4/3/2008	OU3SG-01 6/19/2008	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	OU4SV-1 3/23/2009	Duplicate of: OU4SV-1 3/23/2009	OU4SV-1 4/27/2009
BTEX (ug/m3)														
Benzene	0.88	0.70 J	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	0.64 U	0.64 U	0.19 J
Toluene	360	790	120	87	76	62	46	6.7	26	24	22	0.30 J	0.34 J	3.0
Ethylbenzene	3.1	14	4.1	1.2	1.3	1.3	0.78 J	1.7 U	0.61 J	0.52 J	0.69 J	0.87 U	0.87 U	0.60 J
Xylene, m,p-	7.7	35	21	2.8	2.5	1.0 J	1.2 J	3.5 U	1.3 J	1.2 J	1.9 J	1.7 U	1.7 U	0.89 J
Xylene, o-	3.7	19	27	3.7	2.5	7.9	1.7	1.7 U	0.78 J	0.69 J	0.92 J	0.87 U	0.87 U	0.60 J
Other VOCs (ug/m3)														
Acetaldehyde	4.5 U	3.1 J	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	3.8 U	3.6 U	9.1 J
Acetone	1.9 U	1.8	1.6	1.2 U	5.6 U	2.1 U	5.1 UJ	3.6 U	1.6 J	11	11	1.8 U	1.8 U	4.0
Acrolein (propenal)	1.2 U	0.46 U	0.46 U	0.46 U	0.82	0.32 J	2.3 U	2.3 U	0.73 J	2.3 U	2.3 U	0.46 U	0.46 U	0.46 U
Allyl chloride	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	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	1.1 UJ	1.1 UJ	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	2.7 U	2.7 U	14 UJ
Bromodichloromethane	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	1.3 U
Bromoform	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	2.1 U
Bromomethane	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.78 U	0.78 U	0.78 U
Butadiene, 1,3-	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.44 U	0.44 U	0.44 U
Butane	0.48 U	0.14 J	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	0.48 U	0.48 U	0.33 J
Butanone, 2-	0.38 J	0.59 U	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	0.59 U	0.59 U	0.57 J
Carbon disulfide	8.5	82	88	32	7.3	88	97	6.0	11	11	120	0.62 U	0.62 U	29
Carbon tetrachloride	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 U	1.3 U	1.3 U
Chlorobenzene	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.92 U	0.92 U	0.92 U
Chloroethane	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	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	0.64 J	2.5	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	1.1	1.2	3.0
Chloromethane	0.15 J	0.12 J	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	0.41 U	0.41 U	0.17 J
Chlorotoluene, 2-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	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	1.4 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	1.4 U
Cyclohexane	70	270	190	70	36	76	73	9.9	18	16	27 J	0.69 U	0.69 U	0.19 J
Decane, n-	1.2 U	1.2 U	1.2 UJ	1.2 U	0.66 J	0.34 J	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	1.2 U	1.2 U	1.2 U
Dibromochloromethane	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	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-	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	1.5 U
Dichlorobenzene, 1,2-	1.2 U	0.42 J	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	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,3-	0.56 J	2.3	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	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,4-	0.46 J	2.5	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	1.2 U	1.2 U	1.2 U
Dichlorodifluoromethane	2.2	2.5	2.6	2.2	2.2	1.0	3.4	2.2	2.4	2.4	3.8	2.5	2.5	2.6
Dichloroethane, 1,1-	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 UJ	0.81 U	0.81 U	0.81 U
Dichloroethane, 1,2-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.81 UJ	0.81 UJ	0.81 U
Dichloroethene, 1,1-	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	0.79 U
Dichloroethene, cis-1,2-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	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-	0.92 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	0.92 U
Dichloropropene, cis-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	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	0.91 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	0.91 U
Dioxane, 1,4-	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	0.72 U
Dodecane, n-	0.62 J	1.0 J	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	0.49 J	0.84 J	2.3 J
Ethanol	3.5 J	3.1	3.4	3.6	4.0	5.3 U	4.9 U	3.8 U	0.98 J	1.6 J	7.2	1.3 J	1.9 J	4.0
Ethylthiophene, 2-	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	0.92 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU3SG-01 4/3/2008	OU3SG-01 6/19/2008	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	OU4SV-1 3/23/2009	Duplicate of: OU4SV-1 3/23/2009	OU4SV-1 4/27/2009
Ethyltoluene, p-	0.97 J	4.1	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	0.98 U	0.98 U	0.98 U
Heptane, n-	0.82 UJ	0.53 J	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	0.29 J	0.29 J	0.82 U
Hexachlorobutadiene	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	2.1 U	2.1 U	2.1 U
Hexane, n-	2.1	37 J	36	15	6.7	14	8.4	1.6	2.5	2.5	1.8	0.70 U	0.70 U	0.70 U
Hexanone, 2-	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	2.0 U	2.0 U	0.82 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	0.68 J	3.2	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	0.97 U	0.97 U	0.27 J
Indene	0.95 U	0.43 J	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	0.95 U	0.95 U	0.95 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	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	1.4 U	1.4 UJ	0.72 U	0.72 U	0.72 U
Methyl-2-pentanone, 4-	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.82 U	0.82 U	0.82 U
Methylene chloride	1.7 U	1.7 U	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	1.7 U	1.7 U	1.7 U
Methylnaphthalene, 1-	1.2 UJ	0.35 J	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	2.9 UJ	2.9 UJ	14 UJ
Methylnaphthalene, 2-	1.2 UJ	0.64 J	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	2.9 UJ	2.9 UJ	14 UJ
Methylthiophene, 2-	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	0.80 U	0.80 U	0.80 U
Methylthiophene, 3-	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.80 U	0.80 U	0.80 U
Naphthalene	0.30 J	3.6	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	1.0 U	1.0 U	3.8 J
Nonane	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	1.3 J	1.0 U	1.0 U	1.0 U
Octane, n-	0.93 U	0.23 J	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	0.93 U	0.93 U	0.93 U
Pentane	0.44 J	0.41 J	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 U	0.59 U	0.39 J
Propanol, 2-	0.61 J	0.44 J	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	1.2 UJ	1.2 UJ	0.49 UJ
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.41 J	1.9	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	0.85 U	0.85 U	0.23 J
t-Butyl alcohol	0.61 U	0.61 U	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	0.61 U	0.61 U	0.29 J
Tetrachloroethane, 1,1,2,2-	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	1.4 U
Tetrachloroethene	1.2 J	4.2	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	6.2	6.7	19
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	0.94 J	16 J	14	2.2	1.2	3.3 J	1.9 J	2.2 U	0.88 J	2.2 U	1.0 J	2.7 U	2.7 U	5.5 U
Thiophene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	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	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 UJ	0.79 U	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	0.76 J	0.61 J	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	0.46 J	0.46 J	0.66 J
Trichlorobenzene, 1,2,4-	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	1.5 U	1.5 U	1.2 J
Trichloroethane, 1,1,1-	1.1 U	1.1 U	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	0.27 J	0.33 J	0.55 J
Trichloroethane, 1,1,2-	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	1.1 U
Trichloroethene	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	0.38 J	0.43 J	1.5
Trichlorofluoromethane	1.3	1.6	1.3	1.4	1.3	0.95 J	1.7 J	0.90 J	1.5 J	1.4 J	2.0 J	7.3	7.7	40
Trimethylbenzene, 1,2,3-	3.4	12	5.1	2.0	0.56 J	1.7	0.59 J	2.0 U	2.0 U	2.0 U	2.0 U	0.98 U	0.98 U	0.53 J
Trimethylbenzene, 1,2,4-	0.48 J	0.84 J	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	0.98 U	0.98 U	1.1
Trimethylbenzene, 1,3,5-	1.1	5.9	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	0.98 U	0.98 U	0.98 U
Trimethylpentane, 2,2,4-	0.93 UJ	0.93 U	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	0.93 U	0.93 U	0.93 U
Undecane, n-	1.3 U	1.3 U	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	0.32 J	0.57 J	1.6
Vinyl bromide	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	0.87 U
Vinyl chloride	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	0.51 U
Other (%)														
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NA	0.018 U	0.027	0.0188	0.048	0.074	0.142	0.0151 U	0.032	0.032	0.03	0.048	0.047	0.022

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU4SV-1 4/28/2009	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
BTEX (ug/m3)														
Benzene	NA	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
Toluene	NA	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
Ethylbenzene	NA	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
Xylene, m,p-	NA	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
Xylene, o-	NA	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
Other VOCs (ug/m3)														
Acetaldehyde	NA	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
Acetone	NA	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
Acrolein (propenal)	NA	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
Allyl chloride	NA	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
Benzothiophene	NA	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
Bromodichloromethane	NA	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
Bromoform	NA	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
Bromomethane	NA	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
Butadiene, 1,3-	NA	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
Butane	NA	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
Butanone, 2-	NA	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
Carbon disulfide	NA	26	10	22	19	14	31	NA	85	22	6.8	4.0	15	6.2 UJ
Carbon tetrachloride	NA	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
Chlorobenzene	NA	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
Chloroethane	NA	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
Chloroform	NA	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
Chloromethane	NA	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
Chlorotoluene, 2-	NA	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
Cryofluorane	NA	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
Cyclohexane	NA	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
Decane, n-	NA	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
Dibromochloromethane	NA	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
Dibromoethane, 1,2-	NA	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
Dichlorobenzene, 1,2-	NA	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
Dichlorobenzene, 1,3-	NA	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
Dichlorobenzene, 1,4-	NA	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
Dichlorodifluoromethane	NA	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
Dichloroethane, 1,1-	NA	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
Dichloroethane, 1,2-	NA	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
Dichloroethene, 1,1-	NA	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
Dichloroethene, cis-1,2-	NA	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
Dichloropropane, 1,2-	NA	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
Dichloropropene, cis-1,3	NA	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
Dichloropropene, trans-1,3	NA	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
Dioxane, 1,4-	NA	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
Dodecane, n-	NA	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
Ethanol	NA	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
Ethylthiophene, 2-	NA	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

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU4SV-1 4/28/2009	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
Ethyltoluene, p-	NA	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
Heptane, n-	NA	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
Hexachlorobutadiene	NA	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
Hexane, n-	NA	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
Hexanone, 2-	NA	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
Hydrogen sulfide	6.94 U	NA	NA	NA	NA	NA	NA	6.94 U	NA	NA	NA	NA	NA	NA
Indan	NA	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
Indene	NA	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
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	NA	0.72 U	0.72 U	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
Methyl-2-pentanone, 4-	NA	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
Methylene chloride	NA	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
Methylnaphthalene, 1-	NA	1.2 U	1.4 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
Methylnaphthalene, 2-	NA	1.2 U	1.4 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
Methylthiophene, 2-	NA	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
Methylthiophene, 3-	NA	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
Naphthalene	NA	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
Nonane	NA	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
Octane, n-	NA	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
Pentane	NA	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
Propanol, 2-	NA	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
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	NA	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
t-Butyl alcohol	NA	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
Tetrachloroethane, 1,1,2,2-	NA	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
Tetrachloroethene	NA	17	11	16	15	13	16	NA	19	20	32	38	32	36
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NA	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
Thiophene	NA	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
Trans-1,2-dichloroethene	NA	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
Trichloro-1,2,2-trifluoroethane, 1,1,2-	NA	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
Trichlorobenzene, 1,2,4-	NA	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
Trichloroethane, 1,1,1-	NA	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
Trichloroethane, 1,1,2-	NA	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
Trichloroethene	NA	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
Trichlorofluoromethane	NA	45	36	66	42	49	74	NA	81	85	66	25	23	31
Trimethylbenzene, 1,2,3-	NA	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
Trimethylbenzene, 1,2,4-	NA	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
Trimethylbenzene, 1,3,5-	NA	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
Trimethylpentane, 2,2,4-	NA	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
Undecane, n-	NA	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
Vinyl bromide	NA	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
Vinyl chloride	NA	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
Other (%)														
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NA	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

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU4SV-1 8/25/2009	OU4SV-1 9/15/2009	OU4SV-1 9/29/2009	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-2 3/23/2009	OU4SV-2 4/27/2009	OU4SV-2 4/28/2009	Duplicate of OU4SV-2 4/28/2009
BTEX (ug/m3)														
Benzene	3.2 U	6.4 U	32	3.2 UJ	3.2 UJ	1.3 U	1.3 U	1.3 U	1.3 U	0.35 J	0.64 U	0.64 U	NA	NA
Toluene	3.8 U	7.5 U	110	1.9 J	1.9 J	0.60 J	0.83 J	1.5 U	1.5 U	1.5 U	0.60 J	10	NA	NA
Ethylbenzene	4.3 U	8.7 U	1.0 J	4.3 UJ	4.3 UJ	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	0.87 U	0.40 J	NA	NA
Xylene, m,p-	8.7 U	17 U	4.2	8.7 UJ	8.7 UJ	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	0.26 J	1.2 J	NA	NA
Xylene, o-	4.3 U	8.7 U	2.2	4.3 UJ	4.3 UJ	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	0.87 U	0.63 J	NA	NA
Other VOCs (ug/m3)														
Acetaldehyde	49 J	18 U	9.0 UJ	22 UJ	22 UJ	4.6 U	3.6 U	9.0 U	9.0 U	11 J	1.8 UJ	4.8 J	NA	NA
Acetone	15 U	12 U	6.3 UJ	9.0 UJ	9.0 UJ	4.8 U	4.8 U	3.6 U	1.8 J	4.1 J	1.8 U	2.5	NA	NA
Acrolein (propenal)	5.7 U	11 U	2.3 U	5.7 UJ	5.7 UJ	2.3 U	2.3 U	2.3 UJ	2.3 U	2.3 U	0.46 U	0.46 U	NA	NA
Allyl chloride	3.1 U	6.3 U	1.2 U	3.1 UJ	3.1 UJ	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.63 U	0.63 U	NA	NA
Benzothiophene	5.5 UJ	11 UJ	2.2 U	5.5 UJ	5.5 UJ	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.7 U	14 UJ	NA	NA
Bromodichloromethane	6.7 U	13 U	4.4	6.7 UJ	6.7 UJ	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	1.3 U	1.3 U	NA	NA
Bromoform	10 U	21 U	4.1 U	10 UJ	10 UJ	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	2.1 U	2.1 U	NA	NA
Bromomethane	3.9 U	7.8 U	0.78 J	3.9 UJ	3.9 UJ	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.78 U	0.78 U	NA	NA
Butadiene, 1,3-	2.2 U	4.4 U	0.88 U	2.2 UJ	2.2 UJ	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.44 U	0.44 U	NA	NA
Butane	2.4	4.8 U	41	11 J	11 J	3.8	9.3	12	1.7	0.43 J	0.48 U	0.48 U	NA	NA
Butanone, 2-	3.0 U	5.9 U	1.2 U	3.0 UJ	3.0 UJ	1.2 U	1.2 U	1.2 U	1.2 U	0.70 J	0.59 U	0.59 U	NA	NA
Carbon disulfide	2.8 J	6.2 U	44	22 J	22 J	5.4	3.2	3.7	2.4	3.8	0.62 U	1.6	NA	NA
Carbon tetrachloride	6.3 U	13 U	0.75 J	6.3 UJ	6.3 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1.3 U	1.3 U	NA	NA
Chlorobenzene	4.6 U	9.2 U	1.8 U	4.6 UJ	4.6 UJ	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.92 U	0.92 U	NA	NA
Chloroethane	2.6 U	5.3 U	1.1	2.6 UJ	2.6 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.53 U	0.53 U	NA	NA
Chloroform	8.3	7.3 J	14	4.9 J	4.9 J	3.3	1.3 J	1.8 J	1.4 J	5.2	0.98 U	0.53 J	NA	NA
Chloromethane	2.1 U	4.1 U	1.0	2.1 UJ	2.1 UJ	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.41 U	0.40 J	NA	NA
Chlorotoluene, 2-	5.2 U	10 U	2.1 U	5.2 UJ	5.2 UJ	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	1.0 U	1.0 U	NA	NA
Cryofluorane	7.0 U	14 U	2.8 U	7.0 UJ	7.0 UJ	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	1.4 U	1.4 U	NA	NA
Cyclohexane	3.4 U	6.9 U	7.5	3.4 UJ	3.4 UJ	1.4 U	1.4 U	1.4 UJ	1.4 U	1.4 U	0.69 U	3.9	NA	NA
Decane, n-	5.8 U	12 U	2.3 U	5.8 UJ	5.8 UJ	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	1.2 U	0.52 J	NA	NA
Dibromochloromethane	8.5 UJ	17 U	0.85 J	8.5 UJ	8.5 UJ	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	1.7 U	1.7 U	NA	NA
Dibromoethane, 1,2-	7.7 U	15 U	3.1 U	7.7 UJ	7.7 UJ	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	1.5 U	1.5 U	NA	NA
Dichlorobenzene, 1,2-	6.0 U	12 U	2.4 U	6.0 UJ	6.0 UJ	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	1.2 U	0.83 J	NA	NA
Dichlorobenzene, 1,3-	6.0 U	12 U	2.4 U	6.0 UJ	6.0 UJ	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	1.2 U	1.2 U	NA	NA
Dichlorobenzene, 1,4-	6.0 U	12 U	0.72 J	6.0 UJ	6.0 UJ	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	1.2 U	2.6	NA	NA
Dichlorodifluoromethane	2.5 J	2.5 J	1.3 J	3.0 J	3.0 J	2.2	2.8	3.0	2.6	2.5	1.3	2.6	NA	NA
Dichloroethane, 1,1-	4.0 U	8.1 U	0.73 J	4.0 UJ	4.0 UJ	1.6 U	1.6 U	1.6 U	1.6 U	0.44 J	0.81 U	0.81 U	NA	NA
Dichloroethane, 1,2-	4.0 U	8.1 U	1.6 U	4.0 UJ	4.0 UJ	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.81 UJ	0.81 U	NA	NA
Dichloroethene, 1,1-	4.0 U	7.9 U	1.6 U	4.0 UJ	4.0 UJ	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.79 U	0.79 U	NA	NA
Dichloroethene, cis-1,2-	4.0 U	7.9 U	1.6 U	4.0 UJ	4.0 UJ	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.79 U	0.79 U	NA	NA
Dichloropropane, 1,2-	4.6 U	9.2 U	1.8 U	4.6 UJ	4.6 UJ	1.8 U	1.8 U	1.8 UJ	1.8 U	1.8 U	0.92 U	0.92 U	NA	NA
Dichloropropene, cis-1,3	4.5 U	9.1 U	1.8 U	4.5 UJ	4.5 UJ	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.91 U	0.91 U	NA	NA
Dichloropropene, trans-1,3	4.5 U	9.1 U	1.8 U	4.5 UJ	4.5 UJ	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.91 U	0.91 U	NA	NA
Dioxane, 1,4-	3.6 U	7.2 U	7.9	3.6 UJ	3.6 UJ	1.4 U	1.4 U	1.4 UJ	1.4 U	1.4 U	0.72 U	0.72 U	NA	NA
Dodecane, n-	2.4 J	14 U	2.0 J	7.0 UJ	7.0 UJ	0.84 J	1.1 J	2.8 U	2.8 U	0.75 J	3.5 U	1.9 J	NA	NA
Ethanol	16	19 U	3.7 U	2.4 J	2.4 J	3.8 U	1.2 J	3.8 U	1.3 J	1.1 J	3.3 J	1.2 J	NA	NA
Ethylthiophene, 2-	4.6 U	9.2 U	1.8 U	4.6 UJ	4.6 UJ	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.92 U	0.92 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:	OU4SV-1 8/25/2009	OU4SV-1 9/15/2009	OU4SV-1 9/29/2009	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-2 3/23/2009	OU4SV-2 4/27/2009	OU4SV-2 4/28/2009	Duplicate of OU4SV-2 4/28/2009	
Ethyltoluene, p-	4.9 U	9.8 U	2.0 U	4.9 UJ	4.9 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.98 U	0.98 U	NA	NA	
Heptane, n-	4.1 U	8.2 U	23	4.1 UJ	4.1 UJ	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.2	0.82 U	NA	NA	
Hexachlorobutadiene	11 U	21 U	4.3 UJ	11 UJ	11 UJ	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	2.1 U	2.1 U	NA	NA	
Hexane, n-	3.5 U	7.0 U	190	1.9 J	1.9 J	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.70 U	0.70 U	NA	NA	
Hexanone, 2-	4.1 U	8.2 U	1.6 U	4.1 UJ	4.1 UJ	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	2.0 U	0.82 U	NA	NA	
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.94 U	6.94 U	
Indan	4.8 U	9.7 U	1.9 U	4.8 UJ	4.8 UJ	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	0.97 U	0.25 J	NA	NA	
Indene	4.8 U	9.5 U	1.9 U	4.8 UJ	4.8 UJ	1.9 U	1.9 UJ	1.9 U	1.9 U	1.9 UJ	0.95 U	0.95 U	NA	NA	
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methyl tert-butyl ether	3.6 U	7.2 U	1.4 U	3.6 UJ	3.6 UJ	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.72 U	0.72 U	NA	NA	
Methyl-2-pentanone, 4-	4.1 U	8.2 U	1.6 U	4.1 UJ	4.1 UJ	1.6 U	1.6 U	1.6 UJ	1.6 U	1.6 U	0.82 U	0.82 U	NA	NA	
Methylene chloride	8.7 U	17 U	1.0 J	2.8 J	2.8 J	3.5 U	3.5 U	0.97 J	3.5 U	6.9 U	1.7 U	1.7 U	NA	NA	
Methylnaphthalene, 1-	5.8 U	12 U	2.3 U	5.8 UJ	5.8 UJ	2.3 U	2.3 UJ	2.3 U	5.8 U	5.8 U	2.9 UJ	14 UJ	NA	NA	
Methylnaphthalene, 2-	5.8 U	12 UJ	2.3 U	5.8 UJ	5.8 UJ	2.3 U	2.3 U	2.3 U	5.8 U	5.8 U	2.9 UJ	14 UJ	NA	NA	
Methylthiophene, 2-	4.0 U	8.0 U	1.6 U	4.0 UJ	4.0 UJ	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.80 U	0.80 U	NA	NA	
Methylthiophene, 3-	4.0 U	8.0 U	1.6 U	4.0 UJ	4.0 UJ	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.80 U	0.80 U	NA	NA	
Naphthalene	5.2 U	10 U	2.1 U	5.2 UJ	5.2 UJ	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	1.0 U	1.0 U	NA	NA	
Nonane	5.2 U	10 U	2.1 U	5.2 UJ	5.2 UJ	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	1.0 U	1.0 U	NA	NA	
Octane, n-	4.7 UJ	9.3 U	1.2 J	4.7 UJ	4.7 UJ	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	0.93 U	0.93 U	NA	NA	
Pentane	3.0 U	5.9 U	100	9.0 J	9.0 J	1.7	1.4	4.2	1.2 U	1.2 U	0.59 U	0.59 U	NA	NA	
Propanol, 2-	6.1 U	12 U	2.4 U	6.1 UJ	6.1 UJ	2.4 U	2.4 U	2.5 U	1.3 J	2.5 U	1.2 UJ	0.49 UJ	NA	NA	
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Styrene	4.3 U	8.5 U	1.7 U	4.3 UJ	4.3 UJ	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	0.85 U	0.85 U	NA	NA	
t-Butyl alcohol	3.0 U	6.1 U	1.8	3.0 UJ	3.0 UJ	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.61 U	0.61 U	NA	NA	
Tetrachloroethane, 1,1,2,2-	6.9 U	14 U	2.7 U	6.9 UJ	6.9 UJ	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	1.4 U	1.4 U	NA	NA	
Tetrachloroethene	59 J	40	50	20 J	20 J	13	5.7	6.0	11	53	1.4 U	0.95 J	NA	NA	
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Tetramethylbenzene, 1,2,4,5-	5.5 UJ	11 UJ	2.2 UJ	5.5 UJ	5.5 UJ	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.7 U	2.8 J	NA	NA	
Thiophene	3.4 U	6.9 U	1.4 U	3.4 UJ	3.4 UJ	1.4 U	1.4 U	1.4 UJ	1.4 U	1.4 U	0.69 U	0.69 U	NA	NA	
Trans-1,2-dichloroethene	4.0 U	7.9 U	1.6 U	4.0 UJ	4.0 UJ	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.79 U	0.79 U	NA	NA	
Trichloro-1,2,2-trifluoroethane, 1,1,2-	7.7 U	15 U	0.92 J	7.7 UJ	7.7 UJ	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	1.5 U	0.47 J	NA	NA	
Trichlorobenzene, 1,2,4-	7.4 U	15 U	3.0 U	7.4 UJ	7.4 UJ	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	1.5 U	1.5 U	NA	NA	
Trichloroethane, 1,1,1-	5.4 U	11 U	1.2 J	5.4 UJ	5.4 UJ	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	0.95 J	1.1 U	0.44 J	NA	NA
Trichloroethane, 1,1,2-	5.4 U	11 U	2.2 U	5.4 UJ	5.4 UJ	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	1.1 U	1.1 U	NA	NA	
Trichloroethene	5.4	2.7 J	4.6	1.3 J	1.3 J	1.2 J	0.64 J	0.54 J	2.2 U	3.6	1.1 U	1.1 U	NA	NA	
Trichlorofluoromethane	11	6.7 J	3.6	2.5 J	2.5 J	1.8 J	2.1 J	1.9 J	2.4	9.8	4.3	14	NA	NA	
Trimethylbenzene, 1,2,3-	4.9 U	9.8 U	0.79 J	4.9 UJ	4.9 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.98 U	0.43 J	NA	NA	
Trimethylbenzene, 1,2,4-	4.9 U	9.8 U	0.79 J	4.9 UJ	4.9 UJ	2.0 U	0.49 J	2.0 U	2.0 U	2.0 U	0.98 U	0.58 J	NA	NA	
Trimethylbenzene, 1,3,5-	4.9 U	9.8 U	2.0 U	4.9 UJ	4.9 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.98 U	0.98 U	NA	NA	
Trimethylpentane, 2,2,4-	4.7 U	9.3 U	1.9 U	4.7 UJ	4.7 UJ	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	0.93 U	0.93 U	NA	NA	
Undecane, n-	6.4 U	13 U	2.6 U	1.6 J	1.6 J	2.6 U	0.89 J	2.6 U	2.6 U	2.6 U	1.3 U	1.6	NA	NA	
Vinyl bromide	4.4 U	8.7 U	1.8 U	4.4 UJ	4.4 UJ	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.87 U	0.87 U	NA	NA	
Vinyl chloride	2.6 U	5.1 U	1.0 U	2.6 UJ	2.6 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.51 U	0.51 U	NA	NA	
Other (%)															
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Helium	0.0183 U	0.02	0.0206 U	0.00382 U	0.00382 U	0.0159 U	0.085	0.0134 U	0.02	0.0198 U	0.017 U	0.0243 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:	OU4SV-2 4/29/2009	Duplicate of OU4SV-2 4/29/2009	OU4SV-2 4/30/2009	OU4SV-2 5/1/2009	OU4SV-2 5/4/2009	OU4SV-2 5/5/2009	OU4SV-2 5/8/2009	Duplicate of OU4SV-2 5/8/2009	OU4SV-2 5/12/2009	OU4SV-2 5/15/2009	OU4SV-2 5/21/2009	OU4SV-2 6/3/2009	OU4SV-2 6/17/2009	OU4SV-2 6/19/2009
BTEX (ug/m3)														
Benzene	0.64 U	0.64 U	1.6 U	0.64 U	6.4 U	0.64 U	0.64 U	0.64 U	NA	0.29 J	0.26 J	0.64 U	0.64 U	0.64 U
Toluene	57	56	22	11	20	22	6.1 J	8.7 J	NA	6.2	5.0	8.4	2.2	4.6
Ethylbenzene	0.51 J	0.59 J	2.2 U	0.87 U	8.7 U	0.39 J	0.22 J	0.26 J	NA	0.87 U	0.87 U	1.3	0.87 U	0.87 U
Xylene, m,p-	1.5 J	1.7 J	1.4 J	0.69 J	17 U	1.1 J	0.82 J	0.91 J	NA	0.52 J	1.7 U	5.4	1.7 U	1.7 U
Xylene, o-	0.79 J	0.88	0.76 J	0.39 J	8.7 U	0.56 J	0.48 J	0.56 J	NA	0.26 J	0.87 U	1.4	0.87 U	0.87 U
Other VOCs (ug/m3)														
Acetaldehyde	4.5 UJ	4.5 UJ	14 U	4.5 UJ	45 U	4.5 UJ	15 J	13 J	NA	4.5 UJ	4.5 U	4.5 UJ	4.5 U	4.5 UJ
Acetone	4.4 U	4.9 U	8.0 U	2.9 U	18 U	4.8 U	4.1 U	4.8 U	NA	3.0 U	3.1 U	3.0 U	2.1 U	5.7 U
Acrolein (propenal)	1.2 U	1.2 U	2.1 J	1.2 U	11 U	1.2 U	1.2 U	1.2 U	NA	1.2 UJ	0.34 J	0.43 J	1.2 U	0.55 J
Allyl chloride	0.63 U	0.63 U	1.6 U	0.63 U	6.3 U	0.63 U	0.63 U	0.63 U	NA	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
Benzothiophene	1.1 U	1.1 U	2.7 U	1.1 U	11 U	1.1 U	1.1 U	1.1 U	NA	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Bromodichloromethane	1.3 U	1.3 U	3.4 U	1.3 U	13 U	1.3 U	1.3 U	1.3 U	NA	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	2.1 U	2.1 U	5.2 U	2.1 U	21 U	2.1 U	2.1 U	2.1 U	NA	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	0.78 U	0.78 U	1.9 U	0.78 U	7.8 U	0.78 U	0.78 U	0.78 U	NA	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
Butadiene, 1,3-	0.44 U	0.44 U	1.1 U	0.44 U	4.4 U	0.44 U	0.44 U	0.44 U	NA	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Butane	0.48 U	0.48 U	1.0 J	0.29 J	4.8 U	0.48 U	0.29 J	0.31 J	NA	0.50	0.48 U	0.48 U	0.48 U	3.9
Butanone, 2-	0.86	0.92	1.5 U	0.53 J	5.9 U	1.7	0.80	0.80	NA	0.53 J	0.47 J	0.39 J	0.59 U	0.56 J
Carbon disulfide	1.5	1.0	1.6	0.93	6.2 U	2.3	0.56 J	1.0	NA	1.3	2.2	1.4	2.1	2.8
Carbon tetrachloride	1.3 U	1.3 U	3.1 U	1.3 U	13 U	1.3 U	1.3 U	1.3 U	NA	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Chlorobenzene	0.92 U	0.92 U	2.3 U	0.92 U	9.2 U	0.92 U	0.92 U	0.92 U	NA	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Chloroethane	0.53 U	0.53 U	1.3 U	0.53 U	5.3 U	0.53 U	0.53 U	0.53 U	NA	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U
Chloroform	0.53 J	0.49 J	2.4 U	0.54 J	9.8 U	0.39 J	0.39 J	0.39 J	NA	0.49 J	0.59 J	0.60 J	0.56 J	0.62 J
Chloromethane	4.1 U	0.41 U	0.67 J	0.41 U	4.1 U	0.41 U	0.41 U	0.41 U	NA	0.21 J	0.25 J	0.41 U	0.41 U	0.41 U
Chlorotoluene, 2-	1.0 U	1.0 U	2.6 U	1.0 U	10 U	1.0 U	1.0 U	1.0 U	NA	1.0 U	1.0 U	0.43 J	1.0 U	1.0 U
Cryofluorane	1.4 U	1.4 U	3.5 UJ	1.4 U	14 U	1.4 U	1.4 U	1.4 U	NA	1.4 UJ	1.4 UJ	1.4 U	1.4 U	1.4 U
Cyclohexane	24	25	6.5	2.7	10	10	7.9	9.2	NA	2.0	1.5	0.49 J	0.37 J	0.88
Decane, n-	0.45 J	0.51 J	2.9 U	1.2 U	12 U	1.2 U	0.52 J	1.2 U	NA	1.2 U	1.2 U	1.1 J	1.2 U	1.2 U
Dibromochloromethane	1.7 U	1.7 U	4.3 U	1.7 U	17 U	1.7 U	1.7 U	1.7 U	NA	1.7 UJ	1.7 UJ	1.7 U	1.7 U	1.7 U
Dibromoethane, 1,2-	1.5 U	1.5 U	3.8 U	1.5 U	15 U	1.5 U	1.5 U	1.5 U	NA	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Dichlorobenzene, 1,2-	0.37 J	0.41 J	3.0 U	1.2 U	12 U	1.2 U	1.2 U	0.36 J	NA	0.48 J	0.36 J	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,3-	1.2 U	1.2 U	3.0 U	1.2 U	12 U	1.2 U	1.2 U	1.2 U	NA	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,4-	0.99 J	1.2	1.0 J	0.78 J	12 U	0.72 J	0.72 J	0.78 J	NA	1.4	1.3	0.50 J	1.1 J	1.5
Dichlorodifluoromethane	2.3	1.5	2.5	2.0	3.5 J	1.5	1.4	1.3	NA	1.6	2.3	1.5	2.3	1.9
Dichloroethane, 1,1-	0.81 U	0.81 U	2.0 U	0.81 U	8.1 U	0.81 U	0.81 U	0.81 U	NA	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethane, 1,2-	0.81 U	0.81 U	2.0 U	0.81 U	8.1 U	0.81 U	0.81 U	0.81 U	NA	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethene, 1,1-	0.79 U	0.79 U	2.0 U	0.79 U	7.9 U	0.79 U	0.79 U	0.79 U	NA	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloroethene, cis-1,2-	0.79 U	0.79 U	2.0 U	0.79 U	7.9 U	0.79 U	0.79 U	0.79 U	NA	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloropropane, 1,2-	0.92 U	0.92 U	2.3 U	0.92 U	9.2 U	0.92 U	0.92 U	0.92 U	NA	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Dichloropropene, cis-1,3	0.91 U	0.91 U	2.3 U	0.91 U	9.1 U	0.91 U	0.91 U	0.91 U	NA	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dichloropropene, trans-1,3	0.91 U	0.91 U	2.3 U	0.91 U	9.1 U	0.91 U	0.91 U	0.91 U	NA	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dioxane, 1,4-	0.72 UJ	0.72 UJ	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
Dodecane, n-	1.4	1.5	1.0 J	0.49 J	14 UJ	1.2 J	2.6	3.1	NA	0.56 J	0.90 J	0.39 J	0.86 J	1.3 J
Ethanol	4.4 U	4.6 U	9.3	5.0 U	19 U	6.5	3.3	3.3	NA	4.1	9.5	4.1 U	1.9 U	5.2 U
Ethylthiophene, 2-	0.92 U	0.92 U	2.3 U	0.92 U	9.2 U	0.92 U	0.92 U	0.92 U	NA	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU4SV-2 4/29/2009	Duplicate of OU4SV-2 4/29/2009	OU4SV-2 4/30/2009	OU4SV-2 5/1/2009	OU4SV-2 5/4/2009	OU4SV-2 5/5/2009	OU4SV-2 5/8/2009	Duplicate of OU4SV-2 5/8/2009	OU4SV-2 5/12/2009	OU4SV-2 5/15/2009	OU4SV-2 5/21/2009	OU4SV-2 6/3/2009	OU4SV-2 6/17/2009	OU4SV-2 6/19/2009
Ethyltoluene, p-	0.98 U	0.98 U	2.5 U	0.98 U	9.8 U	0.98 U	0.98 U	0.98 U	NA	0.98 U	0.98 U	0.37 J	0.98 U	0.98 U
Heptane, n-	0.82 U	0.82 U	0.82 J	0.82 U	8.2 U	0.82 U	0.82 U	0.82 U	NA	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Hexachlorobutadiene	2.1 U	2.1 U	5.3 U	2.1 U	21 U	2.1 U	2.1 U	2.1 U	NA	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Hexane, n-	0.60 J	0.63 J	0.88 J	0.70 U	7.0 U	0.70 U	0.25 J	0.70 U	NA	0.70 U	0.70 U	0.70 U	0.70 U	0.20 J
Hexanone, 2-	0.82 U	0.82 U	2.0 U	0.82 U	8.2 U	0.82 U	0.82 U	0.82 U	NA	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	6.94 U	NA	NA	NA	NA	NA
Indan	0.97 U	0.97 U	2.4 U	0.97 U	9.7 U	0.97 U	0.97 U	0.97 U	NA	0.97 U	0.97 U	0.37 J	0.97 U	0.97 U
Indene	0.95 U	0.95 U	2.4 U	0.95 U	9.5 U	0.95 U	0.95 U	0.95 U	NA	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	0.72 U	0.72 U	1.8 U	0.72 U	7.2 U	0.72 U	0.72 U	0.72 U	NA	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Methyl-2-pentanone, 4-	1.0	0.86	0.51 J	0.82 U	8.2 U	0.82 U	0.82 U	0.82 U	NA	0.82 U	0.82 U	0.50 J	0.82 U	0.82 U
Methylene chloride	1.7 U	1.7 U	1.5 J	1.7 U	17 U	1.9	2.2	1.5 J	NA	1.7 U	0.83 J	0.66 J	1.7 U	0.91 U
Methylnaphthalene, 1-	0.45 J	0.46 J	2.9 U	1.2 U	12 U	1.2 U	1.2 U	1.2 U	NA	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Methylnaphthalene, 2-	0.69 J	0.76 J	2.9 U	0.46 J	12 U	1.2 U	1.2 U	1.2 U	NA	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Methylthiophene, 2-	0.80 U	0.80 U	2.0 U	0.80 U	8.0 U	0.80 U	0.80 U	0.80 U	NA	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Methylthiophene, 3-	0.80 U	0.80 U	2.0 U	0.80 U	8.0 U	0.80 U	0.80 U	0.80 U	NA	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Naphthalene	0.68 J	0.76 J	2.6 U	0.42 J	10 U	0.47 J	1.0 U	0.47 J	NA	0.42 J	0.37 J	1.0 U	1.0 U	0.28 J
Nonane	1.0 U	0.29 J	0.66 J	1.0 U	10 U	1.0 U	1.0 U	1.0 U	NA	1.0 U	1.0 U	0.93 J	1.0 U	1.0 U
Octane, n-	0.93 U	0.93 U	2.3 U	0.93 U	9.3 U	0.93 U	0.93 U	0.93 U	NA	0.93 U	0.93 U	1.9	0.93 U	0.93 U
Pentane	1.6	1.3	2.1	0.59 U	5.9 U	0.59 U	0.35 J	0.38 J	NA	0.59 U	0.59 U	0.59 U	0.59 U	0.47 J
Propanol, 2-	2.8 U	3.3 U	3.0 U	1.5 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	0.62 U
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.31 J	0.49 J	2.1 U	0.85 U	8.5 U	0.26 J	0.85 U	0.21 J	NA	0.85 U	0.85 U	0.57 J	0.85 U	0.85 U
t-Butyl alcohol	0.21 J	0.61 U	1.5 U	0.61 U	6.1 U	0.61 U	0.61 U	0.18 J	NA	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U
Tetrachloroethane, 1,1,2,2-	1.4 U	1.4 U	3.4 UJ	1.4 U	14 U	1.4 U	1.4 U	1.4 U	NA	1.4 UJ	1.4 UJ	1.4 U	1.4 U	1.4 U
Tetrachloroethene	0.79 J	0.91 J	0.85 J	0.61 J	14 U	0.47 J	0.47 J	0.47 J	NA	0.75 J	0.75 J	2.3	1.5 U	1.9 U
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	0.49 J	0.48 J	2.7 U	1.1 U	11 U	1.1 U	0.33 J	0.33 J	NA	0.27 J	0.33 J	1.1 U	1.1 U	1.1 U
Thiophene	0.69 U	0.69 U	1.7 U	0.69 U	6.9 U	0.69 U	0.69 U	0.69 U	NA	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Trans-1,2-dichloroethene	0.79 U	0.79 U	2.0 U	0.79 U	7.9 U	0.79 U	0.79 U	0.79 U	NA	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	0.55 J	0.41 J	3.8 U	0.46 J	15 U	0.46 J	0.38 J	0.38 J	NA	1.5 UJ	0.61 J	0.55 J	1.5 U	0.70 J
Trichlorobenzene, 1,2,4-	1.5 U	1.5 U	3.7 U	1.5 U	15 U	1.5 U	1.5 U	1.5 U	NA	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Trichloroethane, 1,1,1-	0.51 J	0.59 J	2.7 U	0.49 J	11 U	1.1 U	0.44 J	0.38 J	NA	0.49 J	0.60 J	0.48 J	0.73 J	0.58 J
Trichloroethane, 1,1,2-	1.1 U	1.1 U	2.7 U	1.1 U	11 U	1.1 U	1.1 U	1.1 U	NA	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethene	1.1 U	1.1 U	2.7 U	1.1 U	11 U	1.1 U	1.1 U	1.1 U	NA	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichlorofluoromethane	17 J	10 J	18	15	16	12	11	11	NA	13	20	14	23	15
Trimethylbenzene, 1,2,3-	0.98 U	0.98 U	2.5 U	0.98 U	9.8 U	0.98 U	0.98 U	0.98 U	NA	0.98 UJ	0.98 UJ	0.25 J	0.98 U	0.98 U
Trimethylbenzene, 1,2,4-	0.42 J	0.52 J	2.5 U	0.34 J	9.8 U	0.34 J	0.34 J	0.39 J	NA	0.29 J	0.98 U	0.64 J	0.98 U	0.98 U
Trimethylbenzene, 1,3,5-	0.98 U	0.98 U	2.5 U	0.98 U	9.8 U	0.98 U	0.98 U	0.98 U	NA	0.98 U	0.98 UJ	0.28 J	0.98 U	0.98 U
Trimethylpentane, 2,2,4-	0.93 UJ	0.93 UJ	2.3 U	0.93 U	9.3 U	0.93 U	0.93 U	0.93 U	NA	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U
Undecane, n-	0.69 J	0.98 J	0.80 J	0.38 J	13 U	1.3 U	2.6	1.3	NA	1.3 U	0.51 J	0.50 J	1.3 U	0.81 J
Vinyl bromide	0.87 U	0.87 U	2.2 UJ	0.87 U	8.7 U	0.87 U	0.87 U	0.87 U	NA	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl chloride	0.51 U	0.51 U	1.3 U	0.51 U	5.1 U	0.51 U	0.51 U	0.51 U	NA	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Other (%)														
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	0.0178 U	0.018 U	0.0185 U	0.0192 U	0.0224 U	0.02 U	0.0195 U	0.0244 U	NA	0.018 U	0.0199 U	0.053	0.0184	0.02 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU4SV-2 7/9/2009	Duplicate of OU4SV-2 7/9/2009	OU4SV-2 8/25/2009	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
BTEX (ug/m3)														
Benzene	6.4 U	6.4 U	1.6 J	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
Toluene	3.8 J	4.0 J	6.4	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
Ethylbenzene	8.7 U	8.7 U	4.3 U	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
Xylene, m,p-	17 U	17 U	8.7 U	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
Xylene, o-	8.7 U	8.7 U	4.3 U	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
Other VOCs (ug/m3)														
Acetaldehyde	45 UJ	45 UJ	22 UJ	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
Acetone	18 UJ	18 UJ	8.9 UJ	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
Acrolein (propenal)	11 U	11 U	5.7 U	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
Allyl chloride	6.3 U	6.3 U	3.1 U	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
Benzothiophene	11 UJ	11 UJ	5.5 UJ	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
Bromodichloromethane	13 U	13 U	6.7 U	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
Bromoform	21 U	21 U	10 U	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
Bromomethane	7.8 U	7.8 U	3.9 U	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
Butadiene, 1,3-	4.4 U	4.4 U	2.2 U	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
Butane	240	210	760	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
Butanone, 2-	5.9 U	5.9 U	2.6 J	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
Carbon disulfide	6.2 UJ	6.2 UJ	1.9 J	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
Carbon tetrachloride	13 U	13 U	6.3 U	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
Chlorobenzene	9.2 U	9.2 U	4.6 UJ	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
Chloroethane	9.0	7.2	4.5	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
Chloroform	9.8 U	9.8 U	1.5 J	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
Chloromethane	11	8.7	1.0 J	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
Chlorotoluene, 2-	10 U	10 U	5.2 U	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
Cryofluorane	14 U	14 U	7.0 U	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
Cyclohexane	12	9.2	32	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
Decane, n-	12 U	12 U	5.8 U	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
Dibromochloromethane	17 U	17 U	8.5 UJ	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
Dibromoethane, 1,2-	15 U	15 U	7.7 U	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
Dichlorobenzene, 1,2-	12 U	12 U	6.0 U	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
Dichlorobenzene, 1,3-	12 U	12 U	6.0 U	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
Dichlorobenzene, 1,4-	12 U	12 U	3.0 J	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
Dichlorodifluoromethane	8.0 J	7.5 J	6.2	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
Dichloroethane, 1,1-	8.1 U	8.1 U	4.0 U	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
Dichloroethane, 1,2-	8.1 U	8.1 U	4.0 U	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
Dichloroethene, 1,1-	7.9 U	7.9 U	4.0 U	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
Dichloroethene, cis-1,2-	7.9 U	7.9 U	4.0 U	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
Dichloropropane, 1,2-	9.2 U	9.2 U	4.6 U	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
Dichloropropene, cis-1,3	9.1 U	9.1 U	4.5 U	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
Dichloropropene, trans-1,3	9.1 U	9.1 U	4.5 U	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
Dioxane, 1,4-	7.2 U	7.2 U	3.6 U	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
Dodecane, n-	14 U	14 U	7.0 U	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
Ethanol	19 U	19 U	8.2 J	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
Ethylthiophene, 2-	9.2 U	9.2 U	4.6 U	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

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU4SV-2 7/9/2009	Duplicate of OU4SV-2 7/9/2009	OU4SV-2 8/25/2009	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
Ethyltoluene, p-	9.8 U	9.8 U	4.9 U	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
Heptane, n-	10	9.2	4.1 U	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
Hexachlorobutadiene	21 U	21 U	11 U	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
Hexane, n-	23	19	4.4	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
Hexanone, 2-	8.2 U	8.2 U	4.1 U	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
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	9.7 U	9.7 U	4.8 U	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
Indene	9.5 U	9.5 U	4.8 U	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
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	7.2 U	7.2 U	3.6 U	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
Methyl-2-pentanone, 4-	8.2 U	8.2 U	4.1 U	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
Methylene chloride	17 UJ	17 UJ	8.7 U	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
Methylnaphthalene, 1-	12 UJ	12 UJ	5.8 U	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
Methylnaphthalene, 2-	12 UJ	12 UJ	5.8 U	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
Methylthiophene, 2-	8.0 U	8.0 U	4.0 U	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
Methylthiophene, 3-	8.0 U	8.0 U	4.0 U	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
Naphthalene	10 U	10 U	5.2 U	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
Nonane	10 U	10 U	5.2 U	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
Octane, n-	4.1 J	3.1 J	4.7 UJ	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
Pentane	64	56	150	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
Propanol, 2-	12 U	6.6 J	6.1 U	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
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	8.5 U	8.5 U	4.3 U	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
t-Butyl alcohol	6.1 U	6.1 U	3.0 U	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
Tetrachloroethane, 1,1,2,2-	14 U	14 U	6.9 U	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
Tetrachloroethene	14 U	14 U	2.7 J	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
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	11 UJ	11 UJ	5.5 UJ	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
Thiophene	6.9 U	6.9 U	3.4 U	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
Trans-1,2-dichloroethene	7.9 U	7.9 U	4.0 U	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
Trichloro-1,2,2-trifluoroethane, 1,1,2-	15 U	15 U	7.7 U	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
Trichlorobenzene, 1,2,4-	15 U	15 U	7.4 U	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
Trichloroethane, 1,1,1-	11 U	11 U	2.4 J	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
Trichloroethane, 1,1,2-	11 U	11 U	5.4 U	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
Trichloroethene	11 U	11 U	5.4 U	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
Trichlorofluoromethane	30	28	40	27	17	14	14	11	12	6.0	2.0 J	3.5	23	25
Trimethylbenzene, 1,2,3-	9.8 U	9.8 U	4.9 U	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
Trimethylbenzene, 1,2,4-	9.8 U	9.8 U	4.9 U	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
Trimethylbenzene, 1,3,5-	9.8 U	9.8 U	4.9 U	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
Trimethylpentane, 2,2,4-	9.3 U	9.3 U	4.7 U	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
Undecane, n-	13 U	13 U	6.4 U	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
Vinyl bromide	8.7 U	8.7 U	4.4 U	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
Vinyl chloride	5.1 U	5.1 U	2.6 U	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
Other (%)														
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	0.0194 U	0.0192 U	0.0184 U	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

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU4SV-3 3/23/2009	OU4SV-3 4/27/2009	OU4SV-3 4/28/2009	OU4SV-3 4/29/2009	OU4SV-3 4/30/2009	OU4SV-3 5/1/2009	OU4SV-3 5/4/2009	OU4SV-3 5/5/2009	OU4SV-3 5/8/2009	OU4SV-3 5/12/2009	OU4SV-3 5/15/2009	OU4SV-3 5/21/2009	OU4SV-3 6/3/2009	OU4SV-3 6/17/2009
BTEX (ug/m3)														
Benzene	0.29 J	7.1	NA	8.8	17	11	12	13	20	NA	19	32	48	28
Toluene	0.41 J	2.3	NA	8.7	4.0	16	14	8.4	4.8	NA	4.8	10	10	5.2
Ethylbenzene	0.87 U	2.2 U	NA	1.5	0.76 J	1.0	0.65 J	0.48 J	0.65 J	NA	0.56 J	1.8	1.9	0.92
Xylene, m,p-	1.7 U	1.4 J	NA	3.9	1.8 J	2.8	1.8	1.1 J	1.9	NA	0.95 J	5.0	4.9	1.5 J
Xylene, o-	0.87 U	1.1 J	NA	1.2	0.87 J	2.0	1.6	0.74 J	0.95	NA	0.52 J	2.1	2.6	0.70 J
Other VOCs (ug/m3)														
Acetaldehyde	3.6 UJ	11 UJ	NA	4.5 UJ	11 UJ	4.5 UJ	4.5 UJ	4.5 UJ	4.5 UJ	NA	4.5 UJ	4.5 UJ	4.5 UJ	4.5 U
Acetone	1.8 UJ	4.4 UJ	NA	1.8 UJ	4.4 UJ	2.0 U	1.8 UJ	3.9 U	1.8 UJ	NA	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ
Acrolein (propenal)	0.46 U	0.64 J	NA	1.3 U	1.9 J	1.2 U	1.2 U	1.2 U	1.2 U	NA	0.71 J	0.71 J	0.89 J	1.2 U
Allyl chloride	0.63 U	1.6 U	NA	0.63 U	1.6 U	0.63 U	0.63 U	0.63 U	0.63 U	NA	0.63 U	0.63 U	0.63 U	0.63 U
Benzothiophene	2.7 U	34 UJ	NA	1.1 U	2.7 U	1.1 U	1.1 U	1.1 U	1.1 U	NA	1.1 U	1.1 U	1.1 U	1.1 U
Bromodichloromethane	1.3 U	3.4 U	NA	1.3 U	3.4 U	1.3 U	1.3 U	1.3 U	1.3 U	NA	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	2.1 U	5.2 U	NA	2.1 U	5.2 U	2.1 U	2.1 U	2.1 U	2.1 U	NA	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	0.78 U	1.9 U	NA	0.78 U	1.9 U	0.78 U	0.78 U	0.78 U	0.78 U	NA	0.78 U	0.78 U	0.78 U	0.78 U
Butadiene, 1,3-	0.44 U	1.1 U	NA	0.44 U	1.1 U	0.44 U	0.44 U	0.44 U	0.44 U	NA	0.44 U	0.44 U	0.44 U	0.44 U
Butane	47	79	NA	47	70	41	95	39	49	NA	46	45	100	180
Butanone, 2-	0.59 U	3.5	NA	2.0	1.5 U	0.71	1.1	0.77	1.8	NA	1.1	1.2	1.5	1.2
Carbon disulfide	0.62 U	3.9	NA	1.4	0.62 J	3.0	2.7	2.6	0.44 J	NA	0.31 J	0.50 J	0.95	0.35 J
Carbon tetrachloride	1.3 U	3.1 U	NA	1.3 U	3.1 U	1.3 U	1.3 U	1.3 U	1.3 U	NA	1.3 U	1.3 U	1.3 U	1.3 U
Chlorobenzene	0.92 U	2.3 U	NA	0.92 U	2.3 U	0.92 U	0.92 U	0.92 U	0.92 U	NA	0.92 U	0.92 U	0.92 U	0.92 U
Chloroethane	0.53 U	1.3 U	NA	0.53 U	1.3 U	0.53 U	0.53 U	0.53 U	0.53 U	NA	0.53 U	0.53 U	0.53 U	0.70
Chloroform	0.24 J	1.1 J	NA	1.1	1.2 J	1.0	0.78 J	0.73 J	0.78 J	NA	0.83 J	1.2	0.99	1.0
Chloromethane	0.23 J	1.2	NA	0.53 U	1.3	0.68 U	0.89	0.62	0.76	NA	0.56	0.43	0.64 U	0.46 U
Chlorotoluene, 2-	1.0 U	2.6 U	NA	1.0 U	2.6 U	1.0 U	1.0 U	1.0 U	1.0 U	NA	1.0 U	1.0 U	1.0 U	1.0 U
Cryofluorane	1.4 U	3.5 U	NA	1.4 U	3.5 UJ	1.4 U	1.4 U	1.4 U	1.4 U	NA	1.4 UJ	1.4 UJ	1.4 U	1.4 U
Cyclohexane	2.0	2.9	NA	3.7	4.0	7.0	7.4	5.3	4.2	NA	3.1	4.1	5.6	6.2
Decane, n-	1.2 U	2.9 U	NA	1.2 U	2.9 U	1.2 U	1.2 U	1.2 U	9.2 J	NA	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ
Dibromochloromethane	1.7 U	4.3 U	NA	1.7 U	4.3 U	1.7 U	1.7 U	1.7 U	1.7 U	NA	1.7 UJ	1.7 UJ	1.7 U	1.7 U
Dibromoethane, 1,2-	1.5 U	3.8 U	NA	1.5 U	3.8 U	1.5 U	1.5 U	1.5 U	1.5 U	NA	1.5 U	1.5 U	1.5 U	1.5 U
Dichlorobenzene, 1,2-	1.2 U	3.0 U	NA	1.2 U	3.0 U	1.2 U	1.2 U	1.2 U	1.2 U	NA	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,3-	1.2 U	0.93 J	NA	0.35 J	3.0 U	1.2 U	1.2 U	1.2 U	4.9	NA	1.2 U	1.2	0.43 J	1.8
Dichlorobenzene, 1,4-	1.2 U	3.0 U	NA	1.2 U	3.0 U	1.2 U	1.2 U	1.2 U	0.90 J	NA	1.2 U	1.2 U	0.42 J	0.77 J
Dichlorodifluoromethane	3.1	3.6	NA	1.8	2.6	1.6	2.9	1.4	1.3	NA	1.9	1.9	1.8	1.8
Dichloroethane, 1,1-	0.53 J	2.0 J	NA	2.3	2.6	2.1	1.7	1.7	2.1	NA	1.9	2.8	3.0	3.7
Dichloroethane, 1,2-	0.81 UJ	2.0 U	NA	0.81 U	2.0 U	0.81 U	0.81 U	0.81 U	0.81 U	NA	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethene, 1,1-	0.79 U	2.0 U	NA	0.79 U	2.0 U	0.79 U	0.79 U	0.79 U	0.79 U	NA	0.79 U	0.79 U	0.79 U	0.79 U
Dichloroethene, cis-1,2-	0.79 U	2.0 U	NA	0.79 U	2.0 U	0.79 U	0.79 U	0.79 U	0.79 U	NA	0.79 U	0.79 U	0.79 U	0.79 U
Dichloropropane, 1,2-	0.92 U	2.3 U	NA	0.92 U	2.3 U	0.92 U	0.92 U	0.92 U	0.92 U	NA	0.92 U	0.92 U	0.92 U	0.92 U
Dichloropropene, cis-1,3	0.91 U	2.3 U	NA	0.91 U	2.3 U	0.91 U	0.91 U	0.91 U	0.91 U	NA	0.91 U	0.91 U	0.91 U	0.91 U
Dichloropropene, trans-1,3	0.91 U	2.3 U	NA	0.91 U	2.3 U	0.91 U	0.91 U	0.91 U	0.91 U	NA	0.91 U	0.91 U	0.91 U	0.91 U
Dioxane, 1,4-	0.72 U	11 J	NA	0.72 UJ	1.8 U	0.72 UJ	0.72 UJ	0.72 UJ	0.72 UJ	NA	0.72 U	0.18 J	0.72 UJ	0.72 UJ
Dodecane, n-	3.5 U	760 J	NA	0.37 J	4.2	3.5	1.8 J	1.6	9.1	NA	4.3	7.7	9.9	15
Ethanol	2.5 J	7.5	NA	38	100	8.7	2.2	2.6 U	25	NA	69	95	12	19
Ethylthiophene, 2-	0.92 U	2.3 U	NA	0.92 U	2.3 U	0.92 U	0.92 U	0.92 U	0.92 U	NA	0.92 U	0.92 U	0.92 U	0.92 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU4SV-3 3/23/2009	OU4SV-3 4/27/2009	OU4SV-3 4/28/2009	OU4SV-3 4/29/2009	OU4SV-3 4/30/2009	OU4SV-3 5/1/2009	OU4SV-3 5/4/2009	OU4SV-3 5/5/2009	OU4SV-3 5/8/2009	OU4SV-3 5/12/2009	OU4SV-3 5/15/2009	OU4SV-3 5/21/2009	OU4SV-3 6/3/2009	OU4SV-3 6/17/2009
Ethyltoluene, p-	0.98 U	2.5 U	NA	0.26 J	2.5 U	0.98 U	0.98 U	0.98 U	0.54 J	NA	0.98 U	0.98 U	0.98 U	0.98 U
Heptane, n-	1.4	2.0 U	NA	0.63 J	2.0 U	0.37 J	0.37 J	0.25 J	0.57 J	NA	0.82 U	0.37 J	0.35 J	0.29 J
Hexachlorobutadiene	2.1 U	5.3 U	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
Hexane, n-	0.70 U	1.9	NA	2.1	1.8	1.1	1.2	0.85	0.99	NA	0.70	0.74	0.54 J	0.47 J
Hexanone, 2-	2.0 U	16	NA	0.82 U	2.0 U	0.29 J	0.82 U	0.82 U	0.82 U	NA	0.82 U	0.82 U	0.82 U	0.82 U
Hydrogen sulfide	NA	NA	6.94 U	NA	NA	NA	NA	NA	NA	6.94 U	NA	NA	NA	NA
Indan	0.97 U	2.4 U	NA	0.97 U	2.4 U	0.97 U	0.97 U	0.97 U	0.43 J	NA	0.97 U	0.43 J	0.97 U	0.97 U
Indene	0.95 U	2.4 U	NA	0.95 U	2.4 U	0.95 U	0.95 U	0.95 U	0.95 U	NA	0.95 U	0.43 J	0.38 J	0.95 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	0.72 U	1.8 U	NA	0.72 U	1.2 J	1.2	0.86	0.79	0.90	NA	0.90	1.2	1.3	1.4
Methyl-2-pentanone, 4-	0.82 U	8.7 J	NA	2.2	1.1 J	0.70 J	0.82 U	0.82 U	4.2	NA	3.4	1.8	1.9	0.82 U
Methylene chloride	1.7 U	4.2 U	NA	1.7 U	4.3 U	1.7 U	1.7 U	0.49 J	1.2 J	NA	10	0.52 J	0.62 J	1.7 U
Methylnaphthalene, 1-	2.9 UJ	36 UJ	NA	1.2 U	2.9 U	0.35 J	1.2 U	1.2 U	1.2 U	NA	0.41 J	0.41 J	1.2 U	0.75 J
Methylnaphthalene, 2-	2.9 UJ	9.7 J	NA	1.2 U	2.9 U	0.58 J	1.2 U	1.2 U	1.2 U	NA	0.52 J	0.58 J	1.2 U	1.2
Methylthiophene, 2-	0.80 U	2.0 U	NA	0.80 U	2.0 U	0.80 U	0.80 U	0.80 U	0.80 U	NA	0.80 U	4.3	8.2	0.80 U
Methylthiophene, 3-	0.80 U	2.0 U	NA	0.80 U	2.0 U	0.80 U	0.80 U	0.80 U	0.80 U	NA	0.80 U	0.32 J	0.39 J	0.80 U
Naphthalene	1.0 U	3.5 U	NA	1.0 U	2.6 U	0.52 J	1.0 U	1.0 U	0.89 J	NA	0.58 J	1.1	1.7	1.9
Nonane	1.0 U	1.9 J	NA	1.0 U	2.6 U	0.73 J	0.52 J	1.0 U	0.73 J	NA	1.0 U	0.68 J	1.9	0.79 J
Octane, n-	0.93 U	0.72 J	NA	3.9	0.58 J	0.98	0.65 J	0.28 J	13	NA	0.28 J	0.79 J	1.4	18
Pentane	5.1	16	NA	18	19	9.2	16	8.3	9.3	NA	7.4	6.8	12	16
Propanol, 2-	1.2 UJ	1.2 UJ	NA	1.2 UJ	10	1.8 U	1.2 UJ	1.2 UJ	1.2 UJ	NA	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.85 U	2.1 U	NA	0.30 J	0.64 J	1.2	1.4	0.51 J	0.68 J	NA	0.47 J	0.85	7.9	7.5
t-Butyl alcohol	0.61 U	1.6	NA	0.85	1.5 U	0.61 U	0.61 U	0.61 U	0.55 J	NA	0.30 J	0.61 U	0.72	0.44 J
Tetrachloroethane, 1,1,2,2-	1.4 U	3.4 U	NA	1.4 U	3.4 UJ	1.4 U	1.4 U	1.4 U	1.4 U	NA	1.4 UJ	1.4 UJ	1.4 U	1.4 U
Tetrachloroethene	1.4 U	3.4 U	NA	1.4 U	1.0 J	1.4 U	1.4 U	1.4 U	0.41 J	NA	1.4 U	1.4 U	0.47 J	1.4 U
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	2.7 U	14 U	NA	1.1 U	2.7 U	0.33 J	1.1 U	1.1 U	0.55 J	NA	1.1 U	0.33 J	0.56 J	0.60 J
Thiophene	0.69 U	1.7 U	NA	0.44 J	1.7 U	0.69 U	0.69 U	0.69 U	0.69	NA	0.62 J	1.1	1.6	1.6
Trans-1,2-dichloroethene	0.79 U	2.0 U	NA	0.21 J	2.0 U	0.79 U	0.79 U	0.79 U	0.79 U	NA	0.79 U	0.79 U	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	1.5 U	3.8 U	NA	1.5 U	3.8 U	1.5 U	1.5 U	1.5 U	1.5 U	NA	1.5 UJ	0.54 J	1.5 U	1.5 U
Trichlorobenzene, 1,2,4-	1.5 U	3.7 U	NA	1.5 U	3.7 U	1.5 U	1.5 U	1.5 U	1.5 U	NA	1.5 U	1.5 U	1.5 U	1.5 U
Trichloroethane, 1,1,1-	1.1 U	2.7 U	NA	1.1 U	2.7 U	1.1 U	1.1 U	1.1 U	1.1 U	NA	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethane, 1,1,2-	1.1 U	2.7 U	NA	1.1 U	2.7 U	1.1 U	1.1 U	1.1 U	1.1 U	NA	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethene	1.1 U	2.7 U	NA	1.1 U	1.6 J	1.1 U	1.1 U	1.1 U	1.1 U	NA	1.1 U	1.1 U	1.1 U	0.70 J
Trichlorofluoromethane	22	49	NA	41	67	40	48	32	27	NA	41	65	40	25
Trimethylbenzene, 1,2,3-	0.98 U	0.95 J	NA	0.98 U	2.5 U	0.34 J	0.98 U	0.98 U	0.83 J	NA	0.98 UJ	0.64 J	0.66 J	0.97 J
Trimethylbenzene, 1,2,4-	0.98 U	1.8 J	NA	0.32 J	0.86 J	0.79 J	0.49 J	0.39 J	2.0	NA	0.59 J	1.3	1.6 J	2.3
Trimethylbenzene, 1,3,5-	0.98 U	2.5 U	NA	0.98 U	2.5 U	0.25 J	0.98 U	0.98 U	0.54 J	NA	0.98 U	0.59 J	0.57 J	0.98 U
Trimethylpentane, 2,2,4-	0.93 UJ	2.3 U	NA	0.93 UJ	2.3 UJ	0.93 UJ	0.93 UJ	0.93 UJ	2.7 J	NA	0.93 UJ	0.93 UJ	0.93 UJ	0.93 UJ
Undecane, n-	1.3 UJ	29	NA	0.40 J	2.2 J	1.6	0.70 J	0.70 J	2.9	NA	3.9	5.4	5.2	4.0
Vinyl bromide	0.87 U	2.2 U	NA	0.87 U	2.2 UJ	0.87 U	0.87 U	0.87 U	0.87 U	NA	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl chloride	0.51 U	1.3 U	NA	0.51 U	1.3 U	0.51 U	0.51 U	0.51 U	0.51 U	NA	0.51 U	0.51 U	0.51 U	0.51 U
Other (%)														
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	0.0405 U	0.0177 U	NA	0.0187 U	0.0192 U	0.0214 U	0.0137 U	0.0194 U	0.0212 U	NA	0.0154 U	0.0188 U	0.044	0.0186

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU4SV-3 6/19/2009	OU4SV-3 7/9/2009	OU4SV-3 9/15/2009	OU4SV-3 9/29/2009	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-4 3/23/2009	OU4SV-4 4/27/2009	OU4SV-4 4/28/2009	OU4SV-4 4/29/2009
BTEX (ug/m3)														
Benzene	30	160	550	550	150	150	22	6.1 J	1.9 J	7.0	0.32 J	0.85 J	NA	0.95 U
Toluene	7.0	40	43	36	10 J	10 J	4.1 J	3.4 J	7.5 U	3.0	0.38 J	0.77 J	NA	3.5
Ethylbenzene	1.2	5.4 J	9.0 J	8.2 J	14 U	14 U	8.7 U	8.7 U	8.7 U	0.52 J	0.87 U	1.7 U	NA	0.61 J
Xylene, m,p-	2.6	12 J	16 J	22 J	28 U	28 U	17 U	17 U	17 U	1.0 J	1.7 U	1.3 J	NA	1.5 J
Xylene, o-	1.1	8.5 J	7.5 J	9.4 J	14 U	14 U	8.7 U	8.7 U	8.7 U	1.7 U	0.87 U	0.53 J	NA	0.60 J
Other VOCs (ug/m3)														
Acetaldehyde	4.5 UJ	45 UJ	31 UJ	49 UJ	74 UJ	74 UJ	18 UJ	18 UJ	45 UJ	3.6 UJ	3.6 UJ	9.0 UJ	NA	22 J
Acetone	1.8 UJ	18 UJ	20 UJ	48 UJ	29 UJ	29 UJ	24 UJ	24 UJ	18 UJ	4.8 UJ	1.8 UJ	8.8 J	NA	15 J
Acrolein (propenal)	0.79 J	11 U	20 U	31 U	19 U	19 U	11 U	11 U	11 UJ	2.3 U	0.46 U	0.92 U	NA	1.7 U
Allyl chloride	0.63 U	6.3 U	11 U	17 U	10 U	10 U	6.3 U	6.3 U	6.3 U	1.2 U	0.63 U	1.2 U	NA	0.63 U
Benzothiophene	1.1 U	11 UJ	19 UJ	30 U	18 UJ	18 UJ	11 U	11 U	11 U	2.2 U	2.7 U	27 UJ	NA	1.1 U
Bromodichloromethane	1.3 U	13 U	23 U	36 U	22 U	22 U	13 U	13 U	13 U	2.7 U	1.3 U	2.7 U	NA	1.3 U
Bromoform	2.1 U	21 U	36 U	56 U	34 U	34 U	21 U	21 U	21 U	4.1 U	2.1 U	4.1 U	NA	2.1 U
Bromomethane	0.78 U	7.8 U	13 U	21 U	13 U	13 U	7.8 U	7.8 U	7.8 U	1.6 U	0.78 U	1.6 U	NA	0.78 U
Butadiene, 1,3-	0.44 U	4.4 U	7.6 U	12 U	7.3 U	7.3 U	4.4 U	4.4 U	4.4 U	0.88 U	0.44 U	0.88 U	NA	0.44 U
Butane	140	1400	8400	16000	8400	8400	7200	4800	3200 J	370	18	29	NA	17
Butanone, 2-	1.6	5.9 U	10 U	16 U	9.7 U	9.7 U	5.9 U	5.9 U	5.9 U	1.4	0.59 U	0.77 J	NA	2.6
Carbon disulfide	0.36 J	7.0 UJ	11 U	6.17 U	10 U	10 U	2.8 J	1.6 J	3.4 J	0.35 J	0.62 U	1.4 U	NA	1.1
Carbon tetrachloride	1.3 U	13 U	22 U	34 U	21 U	21 U	13 U	13 U	13 U	2.5 U	1.3 U	2.5 U	NA	1.3 U
Chlorobenzene	0.92 U	9.2 U	16 U	25 U	15 U	15 U	9.2 U	9.2 U	9.2 U	1.8 U	0.92 U	1.8 U	NA	0.92 U
Chloroethane	0.50 J	19	400	740	240	240	30	5.3 U	5.3 U	1.0 U	0.37 J	1.7	NA	2.0
Chloroform	0.83 J	9.8 U	17 U	26 U	16 U	16 U	9.8 U	9.8 U	9.8 U	0.94 J	0.98 U	2.0 U	NA	0.87 J
Chloromethane	0.42 U	4.1 U	7.1 U	11 U	6.8 U	6.8 U	1.6 J	4.1 U	4.1 U	0.83 U	1.7	1.7	NA	1.3
Chlorotoluene, 2-	1.0 U	10 U	18 U	28 U	17 U	17 U	10 U	10 U	10 U	2.1 U	1.0 U	2.1 U	NA	1.0 U
Cryofluorane	1.4 U	14 U	24 U	38 U	23 U	23 U	14 U	14 U	14 U	2.8 U	1.4 U	2.8 U	NA	1.4 U
Cyclohexane	6.5	24	44	47	23	23	20	10	10 J	0.68 J	0.69 U	0.61 J	NA	0.26 J
Decane, n-	1.2 UJ	12 U	20 U	31 U	19 U	19 U	12 U	12 U	12 U	2.3 U	1.2 U	2.9	NA	3.8
Dibromochloromethane	1.7 U	17 U	29 U	46 U	28 U	28 U	17 U	17 U	17 U	3.4 U	1.7 U	3.4 U	NA	1.7 U
Dibromoethane, 1,2-	1.5 U	15 U	26 U	42 U	25 U	25 U	15 U	15 U	15 U	3.1 U	1.5 U	3.1 U	NA	1.5 U
Dichlorobenzene, 1,2-	1.2 U	12 U	21 U	32 U	20 U	20 U	12 U	12 U	12 U	2.4 U	1.2 U	2.4 U	NA	1.2 U
Dichlorobenzene, 1,3-	1.3	12 U	21 U	32 U	20 U	20 U	12 U	12 U	12 U	2.4 U	1.2 U	0.61 J	NA	4.0
Dichlorobenzene, 1,4-	0.68 J	12 U	21 U	32 U	20 U	20 U	12 U	12 U	12 U	2.4 U	1.2 U	2.4 U	NA	1.2 U
Dichlorodifluoromethane	1.1	5.3 J	17 U	27 U	16 U	16 U	2.5 J	9.9 U	9.9 U	2.2	2.0	3.2	NA	1.7
Dichloroethane, 1,1-	3.5	8.2	23	26	8.0 J	8.0 J	6.5 J	8.1 U	8.1 U	7.4 J	0.81 U	1.6 U	NA	0.25 J
Dichloroethane, 1,2-	0.81 U	8.1 U	14 U	22 U	13 U	13 U	8.1 U	8.1 U	8.1 U	1.6 U	0.81 UJ	1.6 U	NA	0.81 U
Dichloroethene, 1,1-	0.79 U	7.9 U	14 U	21 U	13 U	13 U	7.9 U	7.9 U	7.9 U	1.6 U	0.79 U	1.6 U	NA	0.79 U
Dichloroethene, cis-1,2-	0.79 U	7.9 U	14 U	21 U	13 U	13 U	7.9 U	7.9 U	7.9 U	1.6 U	0.79 U	1.6 U	NA	1.7
Dichloropropane, 1,2-	0.92 U	9.2 U	4.8 J	25 U	15 U	15 U	9.2 U	9.2 U	9.2 UJ	1.5 J	0.92 U	1.8 U	NA	0.92 U
Dichloropropene, cis-1,3	0.91 U	9.1 U	16 U	24 U	15 U	15 U	9.1 U	9.1 U	9.1 U	1.8 U	0.91 U	1.8 U	NA	0.91 U
Dichloropropene, trans-1,3	0.91 U	9.1 U	16 U	24 U	15 U	15 U	9.1 U	9.1 U	9.1 U	1.8 U	0.91 U	1.8 U	NA	0.91 U
Dioxane, 1,4-	0.72 UJ	7.2 U	12 U	19 U	12 U	12 U	7.2 U	7.2 U	7.2 UJ	1.4 U	0.72 U	1.4 U	NA	0.72 UJ
Dodecane, n-	11	14 U	24 U	38 U	23 U	23 U	14 U	14 U	14 U	5.4	2.5 J	10 J	NA	7.9
Ethanol	12	8.7 J	32 U	51 U	31 U	31 U	19 U	5.6 J	19 U	1.6 J	2.1 J	4.6	NA	57
Ethylthiophene, 2-	0.92 U	9.2 U	16 U	25 U	15 U	15 U	9.2 U	9.2 U	9.2 U	1.8 U	0.92 U	1.8 U	NA	0.92 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU4SV-3 6/19/2009	OU4SV-3 7/9/2009	OU4SV-3 9/15/2009	OU4SV-3 9/29/2009	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-4 3/23/2009	OU4SV-4 4/27/2009	OU4SV-4 4/28/2009	OU4SV-4 4/29/2009
Ethyltoluene, p-	0.98 U	9.8 U	17 U	26 U	16 U	16 U	9.8 U	9.8 U	9.8 U	2.0 U	0.98 U	2.0 U	NA	0.34 J
Heptane, n-	0.57 J	8.2 U	31	880	86	86	110	42	15	0.42 J	0.29 J	1.6 U	NA	0.82 U
Hexachlorobutadiene	2.1 U	21 U	37 U	58 U	35 U	35 U	21 U	21 U	21 U	4.3 U	2.1 U	4.3 U	NA	2.1 U
Hexane, n-	1.4	3.8 J	290	6600	2600	2600	2900	940	190	6.0	0.70 U	1.4 U	NA	0.22 J
Hexanone, 2-	0.82 U	8.2 U	14 U	22 UJ	14 U	14 U	8.2 U	8.2 U	8.2 U	1.6 U	2.0 U	1.6 U	NA	1.6
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.94 U	NA
Indan	0.97 U	9.7 U	17 U	26 U	16 U	16 U	9.7 U	9.7 U	9.7 U	1.9 U	0.97 U	1.9 U	NA	0.29 J
Indene	0.95 U	9.5 U	16 U	26 U	16 U	16 U	9.5 U	9.5 UJ	9.5 U	1.9 UJ	0.95 U	1.9 U	NA	0.95 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	1.1	7.2 U	8.7 J	20 U	12 U	12 U	7.2 U	7.2 U	7.2 U	1.4 U	0.72 U	1.4 U	NA	0.72 U
Methyl-2-pentanone, 4-	0.82 U	8.2 U	14 U	22 U	14 U	14 U	8.2 U	8.2 U	8.2 UJ	1.6 U	0.82 U	2.3 J	NA	2.2
Methylene chloride	1.7 U	17 UJ	30 U	47 U	28 U	28 U	17 U	17 U	17 U	6.9 U	1.7 U	3.4 U	NA	1.7 U
Methylnaphthalene, 1-	0.38 J	12 UJ	20 U	31 U	19 U	19 U	12 U	12 UJ	12 U	5.8 U	2.9 UJ	29 UJ	NA	0.29 J
Methylnaphthalene, 2-	0.60 J	12 UJ	20 UJ	31 UJ	19 UJ	19 UJ	12 U	12 U	12 U	5.8 U	2.9 UJ	29 UJ	NA	0.43 J
Methylthiophene, 2-	0.80 U	8.0 U	14 U	22 U	13 U	13 U	8.0 U	8.0 U	8.0 U	1.6 U	0.80 U	1.6 U	NA	0.80 U
Methylthiophene, 3-	0.80 U	8.0 U	14 U	22 U	13 U	13 U	8.0 U	8.0 U	8.0 U	1.6 U	0.80 U	1.6 U	NA	0.80 U
Naphthalene	1.3	10 U	18 U	28 U	17 U	17 U	10 U	10 U	10 U	2.1 U	1.0 U	2.0 U	NA	1.4
Nonane	1.4	10 U	18 U	37	17 U	17 U	10 U	10 U	10 U	2.1 U	1.0 U	0.82 J	NA	0.66 J
Octane, n-	2.9	9.3 U	16 U	150	9.2 J	9.2 J	9.3 U	9.3 U	9.3 U	1.9 U	0.93 U	1.9 U	NA	5.1
Pentane	20	280	4800	7900	4400	4400	3800	2100	650	46	3.1	4.2	NA	4.0
Propanol, 2-	1.2 UJ	12 UJ	21 U	32 U	20 UJ	20 UJ	12 U	12 U	12 UJ	2.5 UJ	1.2 UJ	0.98 UJ	NA	44
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	7.2	4.8 J	4.4 J	23 U	14 U	14 U	8.5 U	8.5 U	8.5 U	1.7 U	0.85 U	1.7 U	NA	0.59 J
t-Butyl alcohol	0.49 J	6.1 U	10 U	16 U	10 U	10 U	6.1 U	6.1 U	6.1 U	1.2 U	0.61 U	0.47 J	NA	1.1
Tetrachloroethane, 1,1,2,2-	1.4 U	14 U	24 U	37 U	23 U	23 U	14 U	14 U	14 U	2.7 U	1.4 U	2.7 U	NA	1.4 U
Tetrachloroethene	1.4 U	14 U	23 U	37 U	22 U	22 U	14 U	14 U	14 U	2.7 U	1.4 U	2.7 U	NA	16
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	0.47 J	11 UJ	19 UJ	30 UJ	18 UJ	18 UJ	11 U	11 U	11 U	2.2 U	2.7 U	11 U	NA	0.39 J
Thiophene	1.4	6.9 U	21	19 U	11 U	11 U	6.9 U	6.9 U	6.9 UJ	0.62 J	0.69 U	1.4 U	NA	0.69 U
Trans-1,2-dichloroethene	0.79 U	7.9 U	14 U	21 U	13 U	13 U	7.9 U	7.9 U	7.9 U	1.6 U	0.79 U	1.6 U	NA	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	1.5 U	15 U	26 U	41 U	25 U	25 U	15 U	15 U	15 U	3.1 U	1.5 U	3.1 U	NA	0.52 J
Trichlorobenzene, 1,2,4-	1.5 U	15 U	26 U	40 U	24 U	24 U	15 U	15 U	15 U	3.0 U	1.5 U	3.0 U	NA	1.5 U
Trichloroethane, 1,1,1-	1.1 U	11 U	19 U	29 U	18 U	18 U	11 U	11 U	11 U	2.2 U	1.1 U	2.2 U	NA	1.1 U
Trichloroethane, 1,1,2-	1.1 U	11 U	19 U	29 U	18 U	18 U	11 U	11 U	11 U	2.2 U	1.1 U	2.2 U	NA	1.1 U
Trichloroethene	0.56 J	11 U	18 U	29 U	18 U	18 U	11 U	11 U	11 U	2.2 U	1.1 U	2.2 U	NA	0.66 J
Trichlorofluoromethane	16	38	19 U	30 U	18 U	18 U	2.8 J	11 U	3.9 J	2.0 J	1.3	2.9	NA	3.4
Trimethylbenzene, 1,2,3-	0.93 J	9.8 U	17 U	26 U	16 U	16 U	9.8 U	9.8 U	9.8 U	2.0 U	0.98 U	0.72 J	NA	0.57 J
Trimethylbenzene, 1,2,4-	1.9	9.8 U	17 U	26 U	16 U	16 U	9.8 U	9.8 U	9.8 U	2.0 U	0.98 U	1.4 J	NA	1.4
Trimethylbenzene, 1,3,5-	0.44 J	9.8 U	17 U	26 U	16 U	16 U	9.8 U	9.8 U	9.8 U	2.0 U	0.98 U	0.52 J	NA	0.40 J
Trimethylpentane, 2,2,4-	0.93 UJ	9.3 U	16 U	25 U	15 U	15 U	9.3 U	9.3 U	9.3 U	3.1	0.93 U	1.9 U	NA	0.93 U
Undecane, n-	3.6	13 U	22 U	34 U	21 U	21 U	13 U	13 U	13 U	2.6 U	1.1 J	5.6	NA	4.5
Vinyl bromide	0.87 U	8.7 U	15 U	24 U	14 U	14 U	8.7 U	8.7 U	8.7 U	1.8 U	0.87 U	1.8 U	NA	0.87 U
Vinyl chloride	0.51 U	5.1 U	8.8 U	14 U	8.4 U	8.4 U	5.1 U	5.1 U	5.1 U	1.0 U	0.51 U	1.0 U	NA	0.51 U
Other (%)														
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	0.0239 U	0.021 U	0.0172 U	0.0271 U	0.00331 U	0.00331 U	0.0163 U	0.0179 U	0.0171 U	0.0188 U	0.0183 U	0.0249 U	NA	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:	OU4SV-4 4/30/2009	OU4SV-4 5/1/2009	OU4SV-4 5/4/2009	OU4SV-4 5/5/2009	OU4SV-4 5/8/2009	OU4SV-4 5/12/2009	OU4SV-4 5/15/2009	OU4SV-4 5/21/2009	OU4SV-4 6/3/2009	OU4SV-4 6/17/2009	OU4SV-4 6/19/2009	OU4SV-4 7/9/2009	OU4SV-4 8/25/2009	OU4SV-4 9/15/2009
BTEX (ug/m3)														
Benzene	1.6 U	0.77 U	0.41 J	0.64 U	0.64 U	NA	0.51 J	0.73	0.64 U	0.64 U	0.64 U	22	22	24
Toluene	0.75 J	1.8	0.87	0.53 J	1.8	NA	2.1	3.2	1.5	0.82	0.85	8.1	5.6 J	7.9
Ethylbenzene	2.2 U	0.87 U	0.87 U	0.87 U	0.43 J	NA	0.26 J	0.82 J	0.28 J	0.22 J	0.87 U	8.7 U	8.7 U	8.7 U
Xylene, m,p-	4.3 U	1.7 U	1.7 U	1.7 U	1.4 J	NA	0.78 J	2.8	0.70 J	1.7 U	0.36 J	17 U	17 U	4.3 J
Xylene, o-	2.2 U	0.87 U	0.87 U	0.87 U	0.61 J	NA	0.35 J	1.0	0.29 J	0.25 J	0.87 U	8.7 U	8.7 U	8.7 U
Other VOCs (ug/m3)														
Acetaldehyde	11 UJ	4.5 UJ	4.5 UJ	4.5 UJ	16 J	NA	4.5 UJ	4.5 UJ	4.5 UJ	4.5 UJ	4.5 UJ	45 UJ	45 UJ	18 UJ
Acetone	6.0 U	4.1 U	1.8 UJ	2.9 U	12 U	NA	5.9 U	6.2 U	5.1 U	4.5 U	18	18 UJ	30 U	19 U
Acrolein (propenal)	1.4 J	1.2 U	1.2 U	1.2 U	1.4 U	NA	0.69 J	0.64 J	0.70 J	0.40 J	0.54 J	11 U	11 U	11 U
Allyl chloride	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	6.3 U	6.3 U
Benzothiophene	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	11 UJ	11 UJ
Bromodichloromethane	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	13 U	13 U
Bromoform	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	21 U	21 U
Bromomethane	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	32	7.8 U	7.8 U
Butadiene, 1,3-	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	4.4 U	4.4 U
Butane	16	8.9	15	6.9	6.2	NA	6.2	4.6	3.6 J	4.8	1.5	340	220	200
Butanone, 2-	1.5 U	0.50 J	0.41 J	0.41 J	2.4	NA	0.85	0.80	0.81	0.61	0.85	5.9 U	4.1 J	5.9 U
Carbon disulfide	1.1 J	1.1	1.5	0.78	0.65	NA	0.75	0.65	0.65	0.60 J	0.36 J	22 J	16	14
Carbon tetrachloride	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	13 U	13 U
Chlorobenzene	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	9.2 UJ	9.2 U
Chloroethane	1.9	1.5	1.1	1.1	1.0	NA	1.5	1.2	1.3	1.1	0.77	89	78	84
Chloroform	2.4 U	0.24 J	0.29 J	0.98 U	0.49 J	NA	0.29 J	0.44 J	0.52 J	0.48 J	0.33 J	9.8 U	9.8 U	9.8 U
Chloromethane	1.4	0.52 U	0.58	0.41 U	0.52 U	NA	0.80	0.68	0.68	0.71	0.43 U	910	2.5 J	1.6 J
Chlorotoluene, 2-	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	10 U	10 U
Cryofluorane	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	14 U	14 U
Cyclohexane	1.7 U	0.28 J	0.69 U	0.69 U	0.69 U	NA	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	40	20	26
Decane, n-	2.9 U	1.2 U	0.93 J	1.2 U	5.6	NA	1.3	1.3	1.8	4.5	1.2 J	16	20	2.9 J
Dibromochloromethane	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	17 UJ	17 U
Dibromoethane, 1,2-	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	15 U	15 U
Dichlorobenzene, 1,2-	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	12 U	12 U
Dichlorobenzene, 1,3-	3.0 U	1.2 U	1.2 U	1.2 U	3.8	NA	1.2 U	0.48 J	1.2 U	0.88 J	1.2 U	12 U	12 U	12 U
Dichlorobenzene, 1,4-	3.0 U	1.2 U	1.2 U	1.2 U	0.84 J	NA	1.2 U	1.2 U	1.2 U	0.37 J	1.2 U	12 U	12 U	12 U
Dichlorodifluoromethane	2.0 J	1.4	2.9	1.5	1.3	NA	1.8	1.6	1.4	2.0	1.6	4.1 J	3.0 J	3.5 J
Dichloroethane, 1,1-	2.0 U	0.28 J	0.32 J	0.81 U	0.24 J	NA	0.32 J	0.36 J	0.42 J	0.42 J	0.31 J	8.1 U	8.1 U	8.1 U
Dichloroethane, 1,2-	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	8.1 U	8.1 U
Dichloroethene, 1,1-	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	7.9 U	7.9 U
Dichloroethene, cis-1,2-	2.0 U	0.79 U	0.79 U	0.79 U	0.44 J	NA	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	7.9 U	7.9 U	7.9 U
Dichloropropane, 1,2-	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	9.2 U	9.2 U
Dichloropropene, cis-1,3	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	9.1 U	9.1 U
Dichloropropene, trans-1,3	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	9.1 U	9.1 U
Dioxane, 1,4-	1.8 U	0.72 UJ	0.72 U	0.72 U	0.72 UJ	NA	0.72 U	0.25 J	0.72 UJ	0.72 UJ	0.72 UJ	7.2 U	7.2 U	7.2 U
Dodecane, n-	1.7 J	1.5	1.5 J	1.3 J	8.8	NA	3.3	10	5.7	6.6	2.1	13 J	22	7.7 J
Ethanol	38	6.0 U	0.98 J	2.4 U	22	NA	86	80	4.4 U	7.2	4.3 U	20	38	11 J
Ethylthiophene, 2-	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	9.2 U	9.2 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU4SV-4 4/30/2009	OU4SV-4 5/1/2009	OU4SV-4 5/4/2009	OU4SV-4 5/5/2009	OU4SV-4 5/8/2009	OU4SV-4 5/12/2009	OU4SV-4 5/15/2009	OU4SV-4 5/21/2009	OU4SV-4 6/3/2009	OU4SV-4 6/17/2009	OU4SV-4 6/19/2009	OU4SV-4 7/9/2009	OU4SV-4 8/25/2009	OU4SV-4 9/15/2009
Ethyltoluene, p-	2.5 U	0.98 U	0.98 U	0.98 U	0.39 J	NA	0.98 U	0.34 J	0.98 U	0.98 U	0.98 U	9.8 U	9.8 U	9.8 U
Heptane, n-	2.0 U	0.82 U	0.82 U	0.82 U	0.41 J	NA	0.82 U	0.41 J	0.82 U	0.82 U	0.82 U	25	7.0 J	2.0 J
Hexachlorobutadiene	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	21 U	21 U
Hexane, n-	1.8 U	0.70 U	0.70 U	0.70 U	0.21 J	NA	0.70 U	0.28 J	0.70 U	0.70 U	0.70 U	75	27	17
Hexanone, 2-	2.0 U	0.82 U	0.82 U	0.82 U	0.90	NA	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	8.2 U	8.2 U	8.2 U
Hydrogen sulfide	NA	NA	NA	NA	NA	6.94 U	NA	NA	NA	NA	NA	NA	NA	NA
Indan	2.4 U	0.97 U	0.97 U	0.97 U	0.34 J	NA	0.97 U	0.29 J	0.97 U	0.97 U	0.97 U	9.7 U	9.7 U	9.7 U
Indene	2.4 U	0.95 U	0.95 U	0.95 U	0.95 U	NA	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	9.5 U	9.5 U	9.5 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	1.8 U	0.72 U	0.72 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	7.2 U
Methyl-2-pentanone, 4-	2.0 U	0.82 U	0.82 U	0.82 U	3.2	NA	4.1	1.2	0.46 J	0.45 J	0.82 U	8.2 U	8.2 U	8.2 U
Methylene chloride	4.3 U	1.7 U	1.7 U	0.90 J	2.2	NA	0.83 J	1.6 J	0.61 J	1.7 U	1.7 U	17 UJ	8.0 J	17 U
Methylnaphthalene, 1-	2.9 U	1.2 U	1.2 U	1.2 U	1.2 U	NA	1.2 U	0.64 J	1.2 U	0.42 J	0.48 J	12 UJ	12 U	12 U
Methylnaphthalene, 2-	2.9 U	1.2 U	1.2 U	1.2 U	1.2 U	NA	0.35 J	0.93 J	1.2 U	0.56 J	0.70 J	12 UJ	12 U	12 UJ
Methylthiophene, 2-	2.0 U	0.80 U	0.80 U	0.80 U	0.80 U	NA	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	8.0 U	8.0 U	8.0 U
Methylthiophene, 3-	2.0 U	0.80 U	0.80 U	0.80 U	0.80 U	NA	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	8.0 U	8.0 U	8.0 U
Naphthalene	2.8 U	0.26 J	1.0 U	1.0 U	0.73 J	NA	0.84 J	0.94 J	0.89 J	0.84 J	1.1	10 U	10 U	10 U
Nonane	2.6 U	1.0 U	1.0 U	1.0 U	0.73 J	NA	0.26 J	0.58 J	0.65 J	1.0 U	1.0 U	10 U	10 U	10 U
Octane, n-	2.3 U	0.93 U	0.93 U	0.93 U	10	NA	0.23 J	0.65 J	0.51 J	6.1	0.34 J	12	23 J	9.3 U
Pentane	2.8	1.4	1.9	0.88	1.0	NA	0.80	0.83	0.53 J	0.53 J	0.59 U	160	110	77
Propanol, 2-	4.8 U	1.2 U	1.2 UJ	1.2 U	2.6 U	NA	7.6	7.2	1.2 U	1.7 U	1.2 U	3.4 J	12 U	12 U
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	2.1 U	0.51 J	0.89	0.85 U	0.64 J	NA	0.47 J	0.30 J	2.2	2.8	0.93	4.0 J	8.5 U	8.5 U
t-Butyl alcohol	0.61 J	0.61 U	0.61 U	0.61 U	0.55 J	NA	0.15 J	0.61 U	0.61 U	0.61 U	0.61 U	6.1 U	6.1 U	6.1 U
Tetrachloroethane, 1,1,2,2-	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	14 U	14 U
Tetrachloroethene	3.4 U	1.4 U	1.4 U	0.41 J	2.1	NA	0.54 J	0.47 J	0.53 J	1.4 U	1.4 U	14 U	14 UJ	14 U
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	2.7 U	1.1 U	1.1 U	1.1 U	0.44 J	NA	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	11 UJ	11 UJ	11 UJ
Thiophene	1.7 U	0.69 U	0.69 U	0.69 U	0.69 U	NA	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	6.9 U	6.9 U	6.9 U
Trans-1,2-dichloroethene	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	7.9 U	7.9 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.8 U	0.54 J	0.46 J	0.46 J	0.38 J	NA	0.61 J	0.46 J	0.51 J	1.5 U	1.5 U	15 U	15 U	15 U
Trichlorobenzene, 1,2,4-	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	15 U	15 U
Trichloroethane, 1,1,1-	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	11 U	11 U
Trichloroethane, 1,1,2-	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	11 U	11 U
Trichloroethene	2.7 U	1.1 U	1.1 U	1.1 U	0.75 J	NA	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	11 U	11 U	11 U
Trichlorofluoromethane	4.6	2.8	4.1	3.3	2.9	NA	4.0	4.5	4.3	6.4	4.0	4.8 J	11 U	11 U
Trimethylbenzene, 1,2,3-	2.5 U	0.98 U	0.98 U	0.98 U	0.64 J	NA	0.98 UJ	0.34 J	0.98 U	0.28 J	0.98 U	9.8 U	9.8 U	9.8 U
Trimethylbenzene, 1,2,4-	2.5 U	0.98 U	0.98 U	0.98 U	1.5	NA	0.64 J	0.98	0.52 J	0.77 J	0.29 J	9.8 U	9.8 U	9.8 U
Trimethylbenzene, 1,3,5-	2.5 U	0.98 U	0.98 U	0.98 U	0.44 J	NA	0.98 U	0.29 J	0.98 U	0.98 U	0.98 U	9.8 U	9.8 U	9.8 U
Trimethylpentane, 2,2,4-	2.3 U	0.93 U	0.93 U	0.93 U	0.42 J	NA	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	9.3 U	9.3 U	9.3 U
Undecane, n-	1.4 J	0.64 J	1.3	0.45 J	3.8	NA	2.9	5.0	2.5	1.8	0.78 J	4.3 J	3.2 J	13 U
Vinyl bromide	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	8.7 U	8.7 U
Vinyl chloride	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	6.5	3.6 J	2.6 J
Other (%)														
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	0.0271 U	0.0221 U	0.0173 U	0.0196 U	0.0188 U	NA	0.0235 U	0.0231 U	0.041	0.0167	0.0202 U	0.0231 U	0.0174 U	0.0189 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	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	OU4SV-4 12/29/2009	Duplicate of: OU4SV-4 12/29/2009	OU4SV-04 3/31/2010	OU4SV-4 6/21/2010	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
BTEX (ug/m3)														
Benzene	22	6.4 U	6.4 U	0.45 J	1.3 U	0.51 J	0.51 J	1.3 U	2.1 J	14	1.3 U	1.4	1.6	24
Toluene	3.0 J	7.5 U	7.5 U	1.4 J	1.3 J	1.5 U	1.5 U	0.45 J	1.8 J	340	1.4 J	52	51	390
Ethylbenzene	8.7 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	15	1.7 U	1.0	1.1	6.9
Xylene, m,p-	17 U	17 U	17 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	42	3.5 U	3.2	3.2	15
Xylene, o-	8.7 U	8.7 U	8.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	0.49 J	18	1.7 U	1.3	1.3	9.2
Other VOCs (ug/m3)														
Acetaldehyde	45 U	45 UJ	45 UJ	3.6 UJ	3.6 U	9.0 U	9.0 U	9.0 UJ	3.6 U	4.5 UJ	5.3 U	4.5 UJ	4.5 UJ	3.6 UJ
Acetone	24 U	18 U	18 U	4.8 U	4.8 U	3.6 U	3.6 UJ	2.0 J	3.5 J	68 J	4.9 UJ	6.2 J	5.7 J	4.8 U
Acrolein (propenal)	11 U	11 U	11 U	2.3 U	2.3 U	2.3 UJ	2.3 UJ	2.3 U	2.3 U	0.46 U	2.3 U	0.46 U	0.25 J	2.3 U
Allyl chloride	6.3 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	0.63 U	1.2 U	0.63 U	0.63 U	1.2 U
Benzothiophene	11 U	11 UJ	11 UJ	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	14 UJ	2.2 U	14 UJ	14 UJ	2.2 U
Bromodichloromethane	13 U	13 U	13 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	1.0 J	1.1 J	2.7 U
Bromoform	21 U	21 U	21 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	2.1 U	2.1 U	4.1 U
Bromomethane	7.8 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	0.78 U	1.6 U	0.78 U	0.78 U	1.6 U
Butadiene, 1,3-	4.4 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	2.1	0.88 U	0.44 U	0.44 U	0.88 U
Butane	96	10	10	8.6	3.0	5.2 J	21 J	14	80 J	39	2.2	7.7	8.1	55
Butanone, 2-	5.9 U	5.9 U	5.9 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.91 J	10	1.2 U	1.7	1.3	1.2 U
Carbon disulfide	6.5	6.2 U	6.2 U	0.62 J	0.56 J	0.81 J	0.68 J	1.2 U	1.3 J	78	2.0	2.5	2.7	11
Carbon tetrachloride	13 U	13 U	13 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.43 J	2.5 U	0.67 J	0.72 J	2.5 U
Chlorobenzene	9.2 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	0.92 U	1.8 U	0.92 U	0.92 U	1.8 U
Chloroethane	47	4.5 J	4.5 J	2.7	1.2	1.7	1.7	1.8	10 J	0.81	1.0 U	0.53 U	0.53 U	1.0 U
Chloroform	9.8 U	9.8 U	9.8 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.8 J	130	0.68 J	200	210	12
Chloromethane	4.1 U	4.1 U	4.1 U	0.54 J	0.83 U	0.83 U	0.83 U	0.33 J	2.2 J	0.97	0.83 U	0.28 J	0.31 J	0.83 U
Chlorotoluene, 2-	10 U	10 U	10 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	1.0 U	1.0 U	2.1 U
Cryofluorane	14 U	14 U	14 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	1.4 U	1.4 U	2.8 U
Cyclohexane	12	6.9 U	6.9 U	1.4 U	1.4 U	1.4 UJ	1.4 UJ	1.4 U	0.83 J	50	1.4 U	8.6	8.7	120
Decane, n-	12 U	12 U	12 U	2.9	2.3 U	2.3 U	2.3 U	2.3 U	0.79 J	25	1.5 J	3.4	3.0	2.3
Dibromochloromethane	17 U	17 U	17 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	1.7 U	1.7 U	3.4 U
Dibromoethane, 1,2-	15 U	15 U	15 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	1.5 U	1.5 U	3.1 U
Dichlorobenzene, 1,2-	12 U	12 U	12 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	1.8	2.4 U	0.43 J	0.37 J	2.9
Dichlorobenzene, 1,3-	12 U	12 U	12 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	3.1	2.4 U	1.1 J	1.0 J	2.4 U
Dichlorobenzene, 1,4-	12 U	12 U	12 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	4.8	2.4 U	1.4	1.3	2.4
Dichlorodifluoromethane	9.9 U	9.9 U	9.9 U	1.5 J	1.2 J	1.6 J	1.8 J	1.9 J	3.8 J	2.4	2.3	4.1	4.2	3.6
Dichloroethane, 1,1-	2.4 J	8.1 U	8.1 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.4 J	0.71 J	1.6 U	0.81 U	0.81 U	1.6 U
Dichloroethane, 1,2-	8.1 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	0.81 U	1.6 U	0.81 U	0.81 U	1.6 U
Dichloroethene, 1,1-	7.9 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	0.59 J	1.6 U	0.79 U	0.79 U	1.6 U
Dichloroethene, cis-1,2-	7.9 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	0.55 J	1.6 U	0.79 U	0.79 U	1.6 U
Dichloropropane, 1,2-	9.2 U	9.2 U	9.2 U	1.8 U	1.8 U	1.8 UJ	1.8 UJ	1.8 U	1.8 U	0.92 U	1.8 U	0.92 U	0.92 U	1.8 U
Dichloropropene, cis-1,3	9.1 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	0.91 U	1.8 U	0.91 U	0.91 U	1.8 U
Dichloropropene, trans-1,3	9.1 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	0.91 U	1.8 U	0.91 U	0.91 U	1.8 U
Dioxane, 1,4-	7.2 U	7.2 U	7.2 U	1.4 U	1.4 U	1.4 UJ	1.4 UJ	1.4 U	1.4 U	0.72 U	1.4 U	0.72 U	0.72 U	1.4 U
Dodecane, n-	4.9 J	3.5 J	3.5 J	6.3 J	2.8 U	2.8 U	2.8 U	2.8 U	9.7 J	10 J	2.0 J	4.3 J	2.9 J	10 J
Ethanol	19 U	8.7 J	8.7 J	13	2.0 J	1.4 J	1.2 J	1.5 J	4.9 J	10	15	5.7	5.4	4.0 U
Ethylthiophene, 2-	9.2 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	0.92 U	1.8 U	0.92 U	0.92 U	1.8 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	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	OU4SV-4 12/29/2009	Duplicate of: OU4SV-4 12/29/2009	OU4SV-04 3/31/2010	OU4SV-4 6/21/2010	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
Ethyltoluene, p-	9.8 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	6.4	2.0 U	0.28 J	0.29 J	2.0 U
Heptane, n-	8.2 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	17	1.6 U	0.82 U	0.82 U	24
Hexachlorobutadiene	21 UJ	21 U	21 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	2.1 U	2.1 U	4.3 U
Hexane, n-	19	7.0 U	7.0 U	1.4 U	1.4 U	1.4 U	0.42 J	1.4 U	1.4 J	27	1.4 U	1.4	1.4	91
Hexanone, 2-	8.2 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	0.82 U	1.6 U	0.82 U	0.82 U	1.6 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	9.7 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	6.3	1.9 U	0.31 J	0.35 J	1.4 J
Indene	9.5 U	9.5 U	9.5 U	1.9 U	1.9 UJ	1.9 U	1.9 U	1.9 U	1.9 UJ	0.95 U	1.9 U	0.95 U	0.95 U	1.9 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	7.2 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	0.72 U	1.4 U	0.72 U	0.72 U	1.4 U
Methyl-2-pentanone, 4-	8.2 U	8.2 U	8.2 U	1.6 U	1.6 U	1.6 UJ	1.6 UJ	1.6 U	1.6 U	5.1 J	1.6 U	0.57 J	0.51 J	1.7
Methylene chloride	17 U	17 U	17 U	3.5 U	3.5 U	1.4 J	1.1 J	3.5 U	2.0 J	4.4 U	3.5 U	1.7 U	1.7 U	3.5 U
Methylnaphthalene, 1-	12 U	12 U	12 U	2.3 U	2.3 UJ	2.3 U	2.3 U	5.8 U	5.8 U	14 UJ	2.3 U	14 UJ	14 UJ	2.3 U
Methylnaphthalene, 2-	12 U	12 UJ	12 UJ	2.3 U	2.3 U	2.3 U	2.3 U	5.8 U	5.8 U	14 UJ	2.3 U	14 UJ	14 UJ	2.3 U
Methylthiophene, 2-	8.0 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	0.80 U	1.6 U	0.80 U	0.80 U	1.6 U
Methylthiophene, 3-	8.0 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	0.80 U	1.6 U	0.80 U	0.80 U	1.6 U
Naphthalene	10 U	10 U	10 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	1.7 J	3.4 J	2.1 U	1.0 U	1.0 U	2.1 U
Nonane	10 U	10 U	10 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	29	2.1 U	1.0 J	0.89 J	2.1 U
Octane, n-	9.3 U	9.3 U	9.3 U	2.2	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	35	2.4	1.6	1.6	1.4 J
Pentane	54	2.1 J	2.1 J	1.6	0.83 J	1.1 J	2.0	2.5	21 J	28	0.88 J	1.4	1.5	95
Propanol, 2-	12 U	12 U	12 U	2.4 U	2.4 U	2.5 U	2.5 U	2.5 U	2.5 U	0.49 UJ	2.4 U	0.49 UJ	0.49 UJ	3.3 U
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	8.5 U	2.6 J	2.6 J	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	2.6 J	1.9	1.7 U	0.87	0.90	1.7
t-Butyl alcohol	6.1 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	0.39 J	1.2 U	0.27 J	0.30 J	1.2 U
Tetrachloroethane, 1,1,2,2-	14 U	14 U	14 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	1.4 U	1.4 U	2.7 U
Tetrachloroethene	14 U	14 U	14 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	1.1 J	19	3.2	200	210	72
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	11 UJ	11 UJ	11 UJ	0.66 J	2.2 U	2.2 U	2.2 U	2.2 U	0.81 J	34 J	2.2 U	1.4 J	1.5 J	1.6 J
Thiophene	6.9 U	6.9 U	6.9 U	1.4 U	1.4 U	1.4 UJ	1.4 UJ	1.4 U	1.4 U	0.69 U	1.4 U	0.69 U	0.69 U	1.4 U
Trans-1,2-dichloroethene	7.9 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	0.79 U	1.6 U	0.79 U	0.79 U	1.6 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	15 U	15 U	15 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	0.61 J	3.1 U	0.80 J	0.86 J	3.1 U
Trichlorobenzene, 1,2,4-	15 U	15 U	15 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	1.5 U	1.5 U	3.0 U
Trichloroethane, 1,1,1-	11 U	11 U	11 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	1.3	2.2 U	1.0 J	1.2	2.2 U
Trichloroethane, 1,1,2-	11 U	11 U	11 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	1.1 U	1.1 U	2.2 U
Trichloroethene	11 U	11 U	11 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	4.8	1.1 J	0.32 J	0.28 J	0.75 J
Trichlorofluoromethane	11 U	11 U	11 U	1.0 J	0.56 J	0.56 J	0.67 J	0.79 J	2.7 J	1.5	1.2 J	54	58	13
Trimethylbenzene, 1,2,3-	9.8 UJ	9.8 U	9.8 U	0.79 J	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	21	2.0 U	0.63 J	0.62 J	2.0 U
Trimethylbenzene, 1,2,4-	9.8 U	9.8 U	9.8 U	1.6 J	2.0 U	2.0 U	2.0 U	2.0 U	0.80 J	22	0.88 J	1.2	1.2	2.6
Trimethylbenzene, 1,3,5-	9.8 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	14	2.0 U	0.33 J	0.33 J	0.98 J
Trimethylpentane, 2,2,4-	9.3 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	0.93 U	1.9 U	0.93 U	0.93 U	1.9 U
Undecane, n-	13 U	3.8 J	3.8 J	3.6	1.0 J	2.6 U	2.6 U	2.6 U	2.6 U	19	2.6 U	3.5	3.0	6.8
Vinyl bromide	8.7 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	0.87 U	1.8 U	0.87 U	0.87 U	1.8 U
Vinyl chloride	5.1 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	0.51 U	1.0 U	0.51 U	0.51 U	1.0 U
Other (%)														
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	0.0145 U	0.00326 U	0.00326 U	0.0189 U	0.0175 U	0.0167 U	0.0156 U	0.017 U	0.0198 U	0.061	0.017 U	0.0181 U	0.0183 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:	OU4SV-7 4/27/2009	OU4SV-7 11/24/2009	OU4SV-8 4/27/2009	OU4SV-8 11/24/2009	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
BTEX (ug/m3)														
Benzene	10	1.8	0.19 J	1.3 U	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
Toluene	240	37	2.5	1.3 J	15	7.8	2.2	1.8	1.6	0.95	6.6	5.2	4.7	0.71 J
Ethylbenzene	12	0.69 J	0.87 U	1.7 U	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
Xylene, m,p-	16	1.9 J	0.66 J	3.5 U	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
Xylene, o-	14	1.3 J	0.37 J	1.7 U	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
Other VOCs (ug/m3)														
Acetaldehyde	4.5 UJ	6.0 U	3.8 J	4.7 U	1.6 J	22 U	7.2 J	120 J	43 J	38	1.7 J	4.5 U	17	3.5 J
Acetone	1.8 UJ	6.0 UJ	2.9 J	4.8 U	2.5 J	5.9 U	1.2 U	91	23	31	1.7	1.2 U	7.7	2.6 U
Acrolein (propenal)	0.46 U	2.3 U	0.46 U	2.3 U	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
Allyl chloride	0.63 U	1.2 U	0.63 U	1.2 U	0.63 U	3.1 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
Benzothiophene	14 UJ	2.2 U	14 UJ	2.2 U	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
Bromodichloromethane	1.3 U	2.7 U	1.3	2.7 U	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
Bromoform	2.1 U	4.1 U	2.1 U	4.1 U	2.1 U	10 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	0.78 U	1.6 U	0.78 U	1.6 U	0.78 U	3.9 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
Butadiene, 1,3-	1.4	0.88 U	0.44 U	0.88 U	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
Butane	130	2.3	4.6	0.62 J	0.62	83	12	5.8	2.3	1.4	0.43 J	27	0.40 J	0.63
Butanone, 2-	5.0	1.2 U	0.40 J	1.2 U	0.62	3.0 U	0.34 J	13	5.1	7.4	0.44 J	1.2	9.6	0.59 U
Carbon disulfide	20	3.2	5.8	1.1 J	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
Carbon tetrachloride	0.87 J	2.5 U	0.54 J	2.5 U	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
Chlorobenzene	0.92 U	1.8 U	0.92 U	1.8 U	0.92 U	4.6 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Chloroethane	1.6	1.0 U	0.53 U	1.0 U	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
Chloroform	37	1.8 J	64	1.8 J	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
Chloromethane	2.1	0.41 J	0.37 J	0.83 U	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
Chlorotoluene, 2-	1.0 U	2.1 U	1.0 U	2.1 U	1.0 U	5.2 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cryofluorane	1.4 U	2.8 U	1.4 U	2.8 U	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
Cyclohexane	99	13	4.0	1.4 U	0.21 J	1300	220	0.69 U	0.69 U	0.69 U	0.69 U	22	0.69 U	0.69 U
Decane, n-	20	1.6 J	3.4	2.3 U	5.4	7.6	3.7	0.41 J	1.2 U	1.0 J	2.8	9.2	3.1	0.85 J
Dibromochloromethane	1.7 U	3.4 U	1.7 U	3.4 U	1.7 U	8.5 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dibromoethane, 1,2-	1.5 U	3.1 U	1.5 U	3.1 U	1.5 U	7.7 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Dichlorobenzene, 1,2-	1.7	2.4 U	0.65 J	0.72 J	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
Dichlorobenzene, 1,3-	2.9	2.4 U	2.3	2.4 U	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
Dichlorobenzene, 1,4-	4.9	1.4 J	2.6	1.4 J	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
Dichlorodifluoromethane	4.5	2.5	2.5	2.5	2.0	1.5 J	2.0	0.79 J	2.1	2.8	1.3	1.8	1.6	2.0
Dichloroethane, 1,1-	0.57 J	1.6 U	0.81 U	1.6 U	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
Dichloroethane, 1,2-	0.81 U	1.6 U	0.81 U	1.6 U	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
Dichloroethene, 1,1-	0.32 J	1.6 U	0.79 U	1.6 U	0.79 U	4.0 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloroethene, cis-1,2-	0.27 J	1.6 U	0.79 U	1.6 U	0.79 U	4.0 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloropropane, 1,2-	0.92 U	1.8 U	0.92 U	1.8 U	0.92 U	4.6 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Dichloropropene, cis-1,3	0.91 U	1.8 U	0.91 U	1.8 U	0.91 U	4.5 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dichloropropene, trans-1,3	0.91 U	1.8 U	0.91 U	1.8 U	0.91 U	4.5 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dioxane, 1,4-	0.72 U	1.4 U	0.72 U	1.4 U	0.72 U	3.6 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Dodecane, n-	14 J	0.97 J	5.6 J	2.8 U	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
Ethanol	31	4.1 U	2.6	3.8 U	2.8	18	3.4 J	3.4	1.8 J	1.4 J	1.5 J	11	2.5	5.9
Ethylthiophene, 2-	0.92 U	1.8 U	0.92 U	1.8 U	0.92 U	4.6 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OU4SV-7 4/27/2009	OU4SV-7 11/24/2009	OU4SV-8 4/27/2009	OU4SV-8 11/24/2009	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
Ethyltoluene, p-	3.9	2.0 U	0.98 U	2.0 U	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
Heptane, n-	19	0.82 J	0.82 U	1.6 U	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
Hexachlorobutadiene	2.1 U	4.3 U	2.1 U	4.3 U	2.1 U	11 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Hexane, n-	27	2.3	0.20 J	1.4 U	0.70 U	270	28	0.81 J	0.74	0.43 J	0.70 U	1.4	0.70 UJ	0.70 U
Hexanone, 2-	0.82 U	1.6 U	0.82 U	1.6 U	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
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	3.8	1.9 U	0.38 J	1.9 U	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
Indene	0.95 U	1.9 U	0.95 U	1.9 U	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
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	0.72 U	1.4 U	0.72 U	1.4 U	0.72 U	3.6 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Methyl-2-pentanone, 4-	3.7 J	1.6 U	0.82 U	1.6 U	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
Methylene chloride	1.7 U	3.5 U	1.7 U	3.5 U	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
Methylnaphthalene, 1-	14 UJ	2.3 U	14 UJ	2.3 U	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
Methylnaphthalene, 2-	14 UJ	2.3 U	14 UJ	2.3 U	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
Methylthiophene, 2-	0.80 U	1.6 U	0.80 U	1.6 U	0.80 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Methylthiophene, 3-	0.80 U	1.6 U	0.80 U	1.6 U	0.80 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Naphthalene	2.8 J	2.1 U	1.0 U	2.1 U	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
Nonane	16	2.1 U	0.39 J	2.1 U	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
Octane, n-	17	1.9 U	0.93 U	1.9 U	2.8	66	1.2	0.93 U	0.93 U	0.48 J	1.4	80	1.9	0.33 J
Pentane	80	2.2	2.0	1.2 U	0.59 U	170	17	1.9	1.7	0.83	0.32 J	12	0.38 J	0.81
Propanol, 2-	0.49 UJ	2.4 U	0.49 UJ	2.4 U	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
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	3.4	0.60 J	0.85 U	1.7 U	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
t-Butyl alcohol	0.39 J	1.2 U	0.24 J	1.2 U	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
Tetrachloroethane, 1,1,2,2-	1.4 U	2.7 U	1.4 U	2.7 U	1.4 U	6.9 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Tetrachloroethene	16	6.1	15	3.8	0.95 J	9.8	4.2	57	16	30	3.9	5.8	5.5	1.2 J
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	29 J	0.99 J	4.6 J	2.2 U	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
Thiophene	0.69 U	1.4 U	0.69 U	1.4 U	0.69 U	3.4 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Trans-1,2-dichloroethene	0.79 U	1.6 U	0.79 U	1.6 U	0.79 U	4.0 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	1.0 J	3.1 U	0.58 J	3.1 U	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
Trichlorobenzene, 1,2,4-	1.5 U	3.0 U	1.5 U	3.0 U	1.5 U	7.4 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
Trichloroethane, 1,1,1-	6.7	0.65 J	1.1 U	2.2 U	1.1 U	2.2 J	1.2	14	2.2	3.3	1.1 U	0.32 J	7.2	2.1
Trichloroethane, 1,1,2-	1.1 U	2.2 U	1.1 U	2.2 U	1.1 U	5.4 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethene	2.4	0.97 J	1.5	2.2 U	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
Trichlorofluoromethane	230	1.9 J	2.0	1.5 J	2.2	1.7 J	1.2	4.0	1.6	0.70 J	1.4	1.8	3.0	2.1
Trimethylbenzene, 1,2,3-	13	2.0 U	0.71 J	2.0 U	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
Trimethylbenzene, 1,2,4-	11	0.69 J	1.2	2.0 U	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
Trimethylbenzene, 1,3,5-	13	2.0 U	0.28 J	2.0 U	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
Trimethylpentane, 2,2,4-	0.93 UJ	1.9 U	0.93 U	1.9 U	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
Undecane, n-	20	1.8 J	5.8	2.6 U	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
Vinyl bromide	0.87 U	1.8 U	0.87 U	1.8 U	0.87 U	4.4 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl chloride	0.43 J	1.0 U	0.51 U	1.0 U	0.51 U	2.6 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Other (%)														
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	0.018 U	0.0168 U	0.088	0.069	NA	NA	NA	NA	0.0154	0.0218 U	NA	NA	NA	0.0161

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	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	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
BTEX (ug/m3)														
Benzene	0.64 U	0.64 U	1.0 J	0.64 U	0.23 J	0.64 U	1.3 J	0.64 U	0.19 J	0.64 U	0.64 U	1.1	0.27 J	0.31 J
Toluene	0.53 J	0.30 J	6.6	4.6	3.9	1.4	3.8 U	0.72 J	0.30 J	0.30 J	0.30 J	8.5	3.6	1.0
Ethylbenzene	0.87 U	0.87 U	2.5	0.87 U	0.83 J	0.87 U	4.3 U	0.87 U	0.87 U	0.87 U	0.87 U	1.8	0.65 J	0.22 J
Xylene, m,p-	0.36 J	1.7 U	7.2	0.56 J	2.8	0.44 J	8.7 U	1.7 U	1.7 U	0.30 J	0.26 J	5.2	2.0	0.65 J
Xylene, o-	0.87 U	0.87 U	2.9	0.22 J	1.3	0.32 J	4.3 U	0.87 U	0.87 U	0.87 U	0.87 U	2.1	0.79 J	0.27 J
Other VOCs (ug/m3)														
Acetaldehyde	4.5 UJ	2.1 U	0.55 J	2.1 J	4.5 U	4.5 U	22.5 U	4.5 UJ	1.8 UJ	44 J	5.2 J	3.4 J	4.5 U	26 J
Acetone	1.5 U	1.8 U	12	3.7 J	1.2 U	2.5 U	5.9 UJ	1.2 UJ	1.8 UJ	6.4 U	3.6 U	4.1	1.2 U	1.2 U
Acrolein (propenal)	0.46 U	0.46 U	0.93 U	0.46 U	1.2 U	1.2 U	2.3 U	0.46 U	0.46 U	0.64 J	1.2 U	0.46 U	1.2 U	1.2 U
Allyl chloride	0.63 U	0.63 U	1.3 U	0.63 U	0.63 U	0.63 U	3.1 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
Benzothiophene	1.1 UJ	2.7 U	11 UJ	1.1 UJ	1.1 U	1.1 U	5.5 U	1.1 UJ	2.7 U	1.1 U	1.1 U	1.1 UJ	1.1 U	1.1 U
Bromodichloromethane	1.3 U	1.3 U	2.7 U	1.3 U	3.0	2.8	6.7 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	2.1 U	2.1 U	4.2 U	2.1 U	2.1 U	2.1 U	10 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	0.78 U	0.78 U	1.6 U	0.78 U	0.78 U	0.78 U	3.9 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
Butadiene, 1,3-	0.44 U	0.44 U	0.90 U	0.44 U	0.44 U	0.44 U	2.2 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Butane	0.48 U	0.48 U	3.1	0.48 U	4.5	0.74	41	66	7.7	0.12 J	0.17 J	0.74	160	180
Butanone, 2-	0.59 U	0.59 U	0.90 J	26	1.0	0.54 J	3.0 U	0.59 U	0.59 U	1.8 J	0.44 J	0.50 J	1.4	1.8
Carbon disulfide	0.62 U	0.62 U	1.3 U	0.62 U	0.62 U	0.62 U	3.1 U	0.62 U	0.62 U	2.7	2.2	0.59 J	0.62 U	0.40 J
Carbon tetrachloride	1.3 U	1.3 U	2.6 U	0.41 J	0.63 J	0.54 J	6.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Chlorobenzene	0.92 U	0.92 U	1.9 U	0.92 U	0.92 U	0.92 U	4.6 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Chloroethane	0.53 U	0.53 U	1.1 U	0.53 U	0.42 J	0.53 U	2.6 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U
Chloroform	0.98 U	0.98 U	2.0 U	2.9	40	44	130	1.1	0.44 J	0.93 J	0.78 J	0.98 U	0.98 U	0.98 U
Chloromethane	0.13 J	0.41 U	0.25 J	0.41 U	0.41 U	0.41 U	2.1 U	0.15 J	0.41 U	0.27 J	0.19 J	0.41 U	0.17 J	0.16 J
Chlorotoluene, 2-	1.0 U	1.0 U	2.1 U	1.0 U	1.0 U	1.0 U	5.2 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cryofluorane	1.4 U	1.4 U	2.8 U	1.4 U	1.4 U	1.4 U	7.0 U	1.4 U	1.4 U	1.4 U	1.4 U	2.0	1.5	1.1 J
Cyclohexane	0.69 U	0.69 U	1.4 U	0.69 U	10	1.5	250	180	12	0.69 U	0.69 U	0.69 U	0.32 J	0.27 J
Decane, n-	0.71 J	1.2 U	1.4 J	3.3	10	1.2 UJ	5.8 U	1.2 U	1.2 U	0.87 J	0.35 J	2.0	8.0	3.0
Dibromochloromethane	1.7 U	1.7 U	3.5 U	1.7 U	1.7 U	1.7 U	8.5 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dibromoethane, 1,2-	1.5 U	1.5 U	3.1 U	1.5 U	1.5 U	1.5 U	7.7 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Dichlorobenzene, 1,2-	1.2 U	1.2 U	2.4 U	1.2 U	1.2 U	1.2 U	6.0 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,3-	1.2 U	1.2 U	2.4 U	1.2	3.5	0.65 J	6.0 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	3.1	0.61 J
Dichlorobenzene, 1,4-	1.2 U	1.2 U	2.4 U	1.2 U	0.38 J	1.2 U	6.0 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.31 J	1.2 U
Dichlorodifluoromethane	2.0	2.1	16	3.0	8.9	5.8	5.9	6.2	4.5	19	19	5.2	4.7	4.1
Dichloroethane, 1,1-	0.81 U	0.81 U	1.6 U	0.81 U	0.26 J	0.81 U	4.0 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethane, 1,2-	0.81 U	0.81 UJ	1.6 U	0.81 U	0.81 U	0.81 U	4.0 U	0.81 U	0.81 UJ	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethene, 1,1-	0.79 U	0.79 U	1.6 U	0.79 U	0.21 J	0.79 U	4.0 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloroethene, cis-1,2-	0.79 U	0.79 U	1.6 U	0.79 U	0.79 U	0.79 U	4.0 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloropropane, 1,2-	0.92 U	0.92 U	1.9 U	0.92 U	0.92 U	0.92 U	4.6 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Dichloropropene, cis-1,3	0.91 U	0.91 U	1.8 U	0.91 U	0.91 U	0.91 U	4.5 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dichloropropene, trans-1,3	0.91 U	0.91 U	1.8 U	0.91 U	0.91 U	0.91 U	4.5 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dioxane, 1,4-	0.72 U	0.72 U	3.6 U	0.72 U	0.72 U	0.72 U	3.6 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Dodecane, n-	1.1 J	3.5 U	2.5 J	0.85 J	2.6	5.2	5.6 J	1.4 UJ	3.5 U	3.7 J	1.1 J	1.3 J	2.1	2.5
Ethanol	4.4	2.2 J	20	1.6 J	11	2.5 J	3.1 J	3.9	2.9 J	2.4	2.2	1.8 J	9.9	8.9
Ethylthiophene, 2-	0.92 U	0.92 U	1.9 U	0.92 U	0.92 U	0.92 U	4.6 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	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	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
Ethyltoluene, p-	0.98 U	0.98 U	0.70 J	0.98 U	0.60 J	0.98 U	4.9 U	0.98 U	0.98 U	0.98 U	0.98 U	0.44 J	0.35 J	0.98 U
Heptane, n-	0.82 U	0.90	0.5 J	0.92	1.3	0.82 U	4.1 U	0.82 U	0.82 U	0.82 U	0.82 U	2.2	1.1	0.82 U
Hexachlorobutadiene	2.1 U	2.1 U	4.3 UJ	2.1 U	2.1 U	2.1 U	11 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Hexane, n-	0.70 U	0.70 U	2.2	0.70 U	0.45 J	0.70 U	3.5 UJ	0.70 U	0.70 U	0.70 U	0.70 U	0.70	0.70 U	0.70 U
Hexanone, 2-	0.82 U	2.0 U	4.2 U	0.82 U	0.82 U	0.82 U	4.1 U	0.82 U	2.0 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	0.97 U	0.97 U	1.3 J	0.97 U	0.39 J	0.97 U	4.8 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.26 J	0.97 U
Indene	0.95 U	0.95 U	1.9 U	0.95 U	0.95 U	0.95 U	4.8 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	0.72 U	0.72 U	1.5 U	0.72 U	0.72 U	0.72 U	3.6 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Methyl-2-pentanone, 4-	0.38 J	0.82 U	0.83 J	0.82 U	0.82 U	0.82 U	4.1 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Methylene chloride	1.7 U	1.7 U	25	0.31 J	1.7 U	0.29 J	8.5 U	1.7 U	1.7 U	0.62 J	0.38 J	0.45 J	1.7 U	0.29 J
Methylnaphthalene, 1-	R	2.9 UJ	30 U	1.2 UJ	1.2 U	1.2 U	14 U	R	2.9 UJ	1.2 U	1.2 U	1.2 UJ	1.2 U	1.2 U
Methylnaphthalene, 2-	14 UJ	2.9 UJ	30 U	1.2 UJ	1.2 U	1.2 U	14 U	14 UJ	2.9 UJ	1.2 U	1.2 U	1.2 UJ	1.2 U	1.2 U
Methylthiophene, 2-	0.80 U	0.80 U	1.6 U	0.80 U	0.80 U	0.80 U	4.0 U	0.80 U	0.80 U	2.0 U	2.0 U	0.80 U	0.80 U	0.80 U
Methylthiophene, 3-	0.80 U	0.80 U	1.6 U	0.80 U	0.80 U	0.80 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Naphthalene	1.0 UJ	1.0 U	5.3 U	1.0 U	1.0 U	1.0 U	5.2 U	1.0 UJ	1.0 U	0.42 J	1.0 U	1.0 U	1.0 U	1.0 U
Nonane	1.0 U	1.0 U	1.4 J	0.30 J	1.1	0.29 J	5.2 U	1.0 U	1.0 U	1.0 U	1.0 U	0.89 J	0.78 J	0.30 J
Octane, n-	0.30 J	0.93 U	0.76 J	0.95	64	0.81 J	4.7 U	0.93 U	0.93 U	0.93 U	0.23 J	1.6	60	1.5
Pentane	0.59 U	0.59 U	0.78 J	0.59 U	3.7	0.44 J	64	67	5.7	0.59 U	0.59 U	0.62	40	27
Propanol, 2-	0.49 UJ	1.2 UJ	1.0	0.49 U	3.8 J	1.2 U	6.1 UJ	0.49 UJ	1.2 UJ	1.2 U	1.2 U	45	28 J	1.2 UJ
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.85 U	0.85 U	1.7 U	0.85 U	0.34 J	0.85 U	4.3 U	0.85 U	0.85 U	0.26 J	0.85 U	0.85 U	0.22 J	0.85 U
t-Butyl alcohol	0.61 U	0.61 U	1.2 U	0.61 U	0.61 U	0.61 U	3.0 U	0.61 U	0.61 U	1.5 U	1.5 U	0.61 U	0.61 U	0.33 J
Tetrachloroethane, 1,1,2,2-	1.4 U	1.4 U	2.8 U	1.4 U	1.4 U	1.4 U	6.9 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Tetrachloroethene	1.1 J	1.2 J	0.96 J	1.0 J	4.4	1.6	12	37	24	53	51	12	9.2	4.4
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	1.1 U	2.7 U	2.2 U	1.1 U	1.1 U	1.1 U	5.5 U	1.1 U	2.7 U	1.1 U	1.1 U	0.49 J	1.1 U	1.1 U
Thiophene	0.69 U	0.69 U	1.4 U	0.69 U	0.69 U	0.69 U	3.4 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Trans-1,2-dichloroethene	0.79 U	0.79 U	1.6 U	0.79 U	0.79 U	0.79 U	4.0 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	1.5 U	1.5 U	3.1 U	0.57 J	0.80 J	0.39 J	7.7 U	0.38 J	1.5 U	0.46 J	0.46 J	0.46 J	0.46 J	0.50 J
Trichlorobenzene, 1,2,4-	1.5 UJ	1.5 U	3.0 UJ	1.5 U	1.5 U	1.5 U	7.4 U	1.5 UJ	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Trichloroethane, 1,1,1-	1.8	1.7	2.2 U	1.1 U	0.29 J	1.1 U	6.5	1.8	1.5	1.7	1.7	2.3	2.1	2.4
Trichloroethane, 1,1,2-	1.1 U	1.1 U	2.2 U	1.1 U	1.1 U	1.1 U	5.4 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethene	1.1 U	1.1 U	2.2 U	1.1 U	1.1 U	1.1 U	5.4 U	1.5	0.27 J	2.2 J	1.1 UJ	1.1 U	1.1 U	1.1 U
Trichlorofluoromethane	2.1	1.1	1.9 J	1.1	1.8	1.1 J	3.6 J	1.5	0.95 J	5.1	5.0	7.2	7.4	6.2
Trimethylbenzene, 1,2,3-	0.98 U	0.98 U	2.1	0.65 J	2.0	0.98 U	4.9 U	0.98 U	0.98 U	0.98 U	0.98 U	1.8	1.4	0.43 J
Trimethylbenzene, 1,2,4-	0.98 U	0.98 U	4.2	0.98 U	0.67 J	0.98 U	4.9 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98	0.42 J	0.98 U
Trimethylbenzene, 1,3,5-	0.98 U	0.98 U	1.1 J	0.26 J	1.0	0.98 U	4.9 U	0.98 U	0.98 U	0.98 U	0.98 U	0.69 J	0.51 J	0.98 U
Trimethylpentane, 2,2,4-	0.93 U	0.93 U	1.9 U	0.93 U	0.93 U	0.93 U	4.7 U	0.93 U	0.93 U	0.93 U	0.93 U	0.61 J	0.93 U	0.93 U
Undecane, n-	0.57 J	1.3 U	1.6 J	0.80 J	1.6	1.3 UJ	6.4 U	1.3 U	1.3 U	0.83 J	0.51 J	0.77 J	1.5	1.5
Vinyl bromide	0.87 U	0.87 U	1.8 U	0.87 U	0.87 U	0.87 U	4.4 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl chloride	0.51 U	0.51 U	1.0 U	0.51 U	0.51 U	0.51 U	2.6 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Other (%)														
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	0.0163	0.0208 U	NA	NA	NA	NA	NA	0.0189	0.0157 U	0.0203	0.0176	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:	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	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
BTEX (ug/m3)														
Benzene	4.0 J	1.8	5.9	0.64 U	0.64 U	0.64 U	2.8	1.4	3.5	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Toluene	3.6 J	1.2	3.9	13	3.7	1.0	7.3	1.2	3.1	1.5 U	0.53 J	1.5 U	0.53 J	1.5 U
Ethylbenzene	4.3 U	0.23 J	0.69 J	0.35 J	0.60 J	0.87 U	0.52 J	0.87 U	0.67 J	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Xylene, m,p-	8.7 U	0.33 J	1.0 J	1.1 J	2.0	0.45 J	1.0 J	0.30 J	0.93 J	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
Xylene, o-	4.3 U	0.87 U	0.52 J	0.39 J	0.71 J	0.87 U	0.26 J	0.87 U	0.53 J	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Other VOCs (ug/m3)														
Acetaldehyde	230	130	120	2.4 J	5.2	5.4	32	55 J	94	5.2 J	9.0 U	9.0 U	9.0 U	9.0 U
Acetone	170	45	64	2.3	4.8 U	2.3 U	47	20	73	6.5 U	3.6 U	1.7 J	1.8 J	2.7 J
Acrolein (propenal)	3.4	2.0	3.3	0.46 U	1.2 U	1.2 U	1.3	1.3	2.5	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U
Allyl chloride	3.1 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Benzothiophene	5.5 U	1.1 UJ	14 UJ	1.1 UJ	1.1 U	1.1 U	1.1 U	1.1 UJ	14 UJ	2.2 U	2.2 UJ	2.2 UJ	2.2 UJ	2.2 UJ
Bromodichloromethane	6.7 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
Bromoform	10 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U
Bromomethane	3.9 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Butadiene, 1,3-	5.6	5.4	7.0	0.44 U	0.44 U	0.44 U	0.38 J	2.3	7.6	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U
Butane	14	7.0	6.2	0.78	0.48 U	0.48 U	3.1	3.4	7.5	0.95 U	0.95 U	0.95 U	1.6	0.90 J
Butanone, 2-	31	8.6	15	2.1	32	0.36 J	6.0	4.3	17	0.47 J	1.2 U	1.2 U	1.2 U	1.2 U
Carbon disulfide	4.8 U	2.8	1.7	0.62 U	0.62 U	0.62 U	1.3 U	2.1	3.4	1.2 U	1.2 U	1.2 U	1.2 U	0.50 J
Carbon tetrachloride	6.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	0.41 J	1.3 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chlorobenzene	4.6 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Chloroethane	2.6 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	4.9 U	0.98 U	0.98 U	0.98 U	0.36 J	0.98 U	1.4	0.27 J	0.98 U	5.0 J	8.8	5.5	3.6	2.6
Chloromethane	2.1 U	0.41 U	0.19 J	0.41 U	0.27 J	0.41 U	0.17 J	0.41 U	0.50	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U
Chlorotoluene, 2-	5.2 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Cryofluorane	7.0 U	2.3	1.2 J	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U
Cyclohexane	3.4 U	0.26 J	0.22 J	0.69 U	0.69 U	0.69 U	0.69 U	0.38 J	0.69 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Decane, n-	5.8 U	0.75 J	0.69 J	4.7	12	2.5	1.2 U	0.31 J	0.38 J	2.3 U	2.3 U	2.3 U	0.70 J	2.3 U
Dibromochloromethane	8.5 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U
Dibromoethane, 1,2-	7.7 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Dichlorobenzene, 1,2-	6.0 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U
Dichlorobenzene, 1,3-	6.0 U	1.2 U	1.2 U	0.66 J	4.6	0.41 J	1.2 U	1.2 U	1.2 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U
Dichlorobenzene, 1,4-	6.0 U	1.2 U	1.2 U	1.2 U	0.43 J	1.2 U	0.48 J	1.2 U	1.2 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U
Dichlorodifluoromethane	4.4 J	3.4	4.1	2.3	2.4	2.1	2.8	2.5	2.4	2.0 J	2.2	2.4	2.3	2.1
Dichloroethane, 1,1-	4.0 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	2.1	0.41 J	0.81 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Dichloroethane, 1,2-	4.0 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Dichloroethene, 1,1-	4.0 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Dichloroethene, cis-1,2-	4.0 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.52 J	0.79 U	0.79 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Dichloropropane, 1,2-	4.6 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Dichloropropene, cis-1,3	4.5 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Dichloropropene, trans-1,3	4.5 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Dioxane, 1,4-	3.6 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Dodecane, n-	7.0 UJ	0.55 J	0.77 J	1.5	5.1	24	2.0 J	0.86 J	0.38 J	2.1 J	2.8 U	0.70 J	2.8 U	2.8 U
Ethanol	4.9 J	77	2.1	2.2	6.5	4.7 J	0.68 J	5.3	3.2	1.5 J	3.8 U	3.8 U	2.0 J	2.3 J
Ethylthiophene, 2-	4.6 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	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	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
Ethyltoluene, p-	4.9 U	0.98 U	0.98 U	0.25 J	0.41 J	0.98 U	0.98 U	0.98 U	0.98 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Heptane, n-	4.1 U	0.93	1.6	2.1	0.79 J	0.82 U	0.82 U	1.0	1.4	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Hexachlorobutadiene	11 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U
Hexane, n-	2.5 J	1.3	1.7	0.70 U	0.70 U	0.70 U	0.70 U	1.5	1.8	1.4 U	1.4 U	1.4 U	1.4 U	0.42 J
Hexanone, 2-	3.5 J	0.82 U	2.4	0.82 U	0.82 U	0.82 U	0.82 U	0.63 J	1.0	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	4.8 U	0.97 U	0.97 U	0.97 U	0.33 J	0.97 U	0.97 U	0.97 U	0.97 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Indene	4.8 U	0.95 U	0.95	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	1.2	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	3.6 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Methyl-2-pentanone, 4-	4.1	1.7	1.8	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	1.2	2.3 J	1.6 U	1.6 U	1.6 U	1.6 U
Methylene chloride	8.5 U	1.7 U	1.7 U	0.45 J	1.7 U	0.32 J	1.7 J	1.7 U	1.7 U	3.5 U	3.5 U	3.5 U	1.1 J	3.5 U
Methylnaphthalene, 1-	14 U	R	5.8 U	1.2 UJ	1.2 U	1.2 U	2.9 U	R	5.8 U	2.3 UJ	2.3 U	2.3 U	2.3 U	2.3 U
Methylnaphthalene, 2-	14 U	14 UJ	5.8 U	1.2 UJ	1.2 U	1.2 U	2.9 U	14 UJ	5.8 U	2.3 U	2.3 UJ	2.3 UJ	2.3 UJ	2.3 UJ
Methylthiophene, 2-	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Methylthiophene, 3-	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Naphthalene	5.2 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Nonane	5.2 U	0.50 J	0.93 J	0.63 J	0.86 J	1.0 U	1.0 U	0.58 J	0.70 J	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Octane, n-	4.7 U	0.66 J	1.4	2.5	52	0.68 J	0.93 U	0.58 J	1.1	1.9 U	1.9 U	1.9 U	0.65 J	1.9 U
Pentane	5.8	2.7	3.2	0.59 U	0.59 U	0.27 J	1.5	2.5	3.6	1.2 U	1.2 U	1.2 U	1.2 U	0.71 J
Propanol, 2-	6.1 UJ	0.49 UJ	0.49 UJ	0.49 U	2.0 J	0.73 J	1.4 UJ	1.4 J	1.1 U	2.4 U	2.5 U	2.5 U	2.5 U	2.5 U
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	4.3 U	0.85 U	0.60 J	0.85 U	0.22 J	0.85 U	0.85 U	0.85 U	0.72 J	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
t-Butyl alcohol	4.7	0.68 J	0.84	0.61 U	0.27 J	0.26 J	0.48 J	0.50 J	0.85	3.8 J	1.2 U	1.2 U	1.2 U	1.2 U
Tetrachloroethane, 1,1,2,2-	6.9 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
Tetrachloroethene	16	4.7	5.7	1.2 J	3.5	1.2 J	35	5.7	14	12	14	14	9.9	12
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	5.5 U	1.1 U	5.5 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	5.5 U	2.2 UJ	2.2 UJ	2.2 UJ	2.2 UJ	2.2 UJ
Thiophene	3.4 U	0.69 U	0.42 J	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.42 J	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Trans-1,2-dichloroethene	4.0 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	7.7 U	1.5 U	0.39 J	0.54 J	0.82 J	0.51 J	0.61 J	0.53 J	1.5 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Trichlorobenzene, 1,2,4-	7.4 U	1.5 UJ	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 UJ	1.5 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Trichloroethane, 1,1,1-	5.2 J	3.0	2.1	1.8	1.2	1.1 J	11	2.8	1.1 U	0.87 J	0.87 J	0.76 J	0.65 J	0.87 J
Trichloroethane, 1,1,2-	5.4 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
Trichloroethene	5.4 U	0.39 J	1.1 U	1.1 U	1.1 U	1.1 U	0.43 J	1.1 U	1.1 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
Trichlorofluoromethane	22	12	11	1.5	1.6	1.1	4.4	1.9	0.82 J	0.56 J	0.56 J	1.0 J	0.90 J	0.90 J
Trimethylbenzene, 1,2,3-	4.9 U	0.98 U	0.98 U	0.84 J	1.9	0.34 J	0.98 U	0.98 U	0.98 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Trimethylbenzene, 1,2,4-	4.9 U	0.98 U	0.98 U	0.25 J	0.50 J	0.98 U	0.98 U	0.98 U	0.98 U	2.0 U	2.0 U	2.0 U	0.69 J	2.0 UJ
Trimethylbenzene, 1,3,5-	4.9 U	0.98 U	0.98 U	0.34 J	0.67 J	0.98 U	0.98 U	0.98 U	0.98 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Trimethylpentane, 2,2,4-	4.7 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Undecane, n-	7.4	1.0 J	0.65 J	0.96 J	2.4	7.3	1.3 U	0.37 J	0.40 J	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
Vinyl bromide	4.4 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Vinyl chloride	2.6 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Other (%)														
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	NA	0.0151	0.0172 U	NA	NA	NA	NA	0.019	0.0198 U	0.00378 U	0.00331 U	0.025	0.0164 U	0.0164 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	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	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	OZ-SV02 10/23/2009
BTEX (ug/m3)														
Benzene	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	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	1.5 U	1.5 U	0.68 J	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	0.45 J	3.8	0.79 J	1.5 U
Ethylbenzene	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	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-	3.5 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	3.5 U	3.5 U	3.5 U
Xylene, o-	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	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/m3)														
Acetaldehyde	7.5 J	9.0 U	3.8 U	3.6 U	3.6 U	3.6 U	4.2	9.0 U	9.0 U	5.5 J	14	9.6 J	6.2 J	8.0
Acetone	2.0 J	3.6 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	3.6 U	1.5 J	2.8 J	8.2	5.7 J	3.7 J	8.1 U
Acrolein (propenal)	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
Allyl chloride	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	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	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	2.2 U	2.2 U	2.2 U	5.5 U	2.2 U
Bromodichloromethane	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	1.6 J
Bromoform	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	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U
Bromomethane	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	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-	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	0.95 U	0.95 U	0.86 J	0.95 U	0.95 U	0.95 U	0.38 J	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U
Butanone, 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	0.71 J	1.2 U	1.6	1.8	1.2 U	0.94 J
Carbon disulfide	1.2 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	0.37 J	0.68 J	1.2 U	1.2 U	0.50 J
Carbon tetrachloride	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	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	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	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	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	2.9	2.0	1.5 J	1.1 J	0.88 J	0.78 J	0.49 J	2.0 U	0.78 J	0.98 J	1.1 J	1.3 J	5.4	13
Chloromethane	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	0.58 J	0.83 U	0.83 U	0.83 U
Chlorotoluene, 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
Cryofluorane	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	1.4 U	1.4 U	1.4 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	1.4 U	1.4 U
Decane, n-	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	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	1.0 J
Dibromoethane, 1,2-	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-	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-	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-	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	1.4 J	1.3 J	0.79 J	0.69 J	0.59 J	0.69 J	0.89 J	2.0 U	2.0 U	0.59 J	0.79 J	0.99 J	0.77 J	2.4
Dichloroethane, 1,1-	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	1.6 U	1.6 U	0.76 J
Dichloroethane, 1,2-	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	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-	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	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-	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	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-	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	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	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	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	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	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-	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	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-	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 UJ	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	3.0
Ethanol	3.8 U	3.8 U	12	3.8 U	3.8 U	3.8 U	1.2 J	3.8 U	3.8 U	1.5 J	2.1 J	3.4 J	1.2 J	3.8 U
Ethylthiophene, 2-	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	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	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	OZ-SV02 10/23/2009
Ethyltoluene, p-	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-	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	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	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	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U
Hexane, n-	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	1.4 U	1.4 UJ	1.4 U	1.4 U	1.4 U
Hexanone, 2-	1.6 U	1.6 U	1.6 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
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	1.9 U	1.9 U	1.9 UJ	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
Indene	1.9 U	1.9 U	1.9 UJ	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
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	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-	1.6 U	1.6 U	1.6 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	3.1
Methylene chloride	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	3.5 U	3.5 U	4.4 U	2.8 J	3.5 U
Methylnaphthalene, 1-	2.3 U	2.3 U	2.3 UJ	2.3 UJ	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	5.8 U	5.8 UJ	5.8 U	2.3 UJ
Methylnaphthalene, 2-	2.3 UJ	2.3 UJ	2.3 UJ	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	5.8 U	5.8 U	5.8 U	2.3 U
Methylthiophene, 2-	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	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-	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	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	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	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	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	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-	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	1.2 U	1.2 U	0.94 J	1.2 U	1.2 U	0.77 J	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	77	1.2 U	1.2 U
Propanol, 2-	2.5 U	2.5 U	3.3 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	2.4 U
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	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	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	3.1
Tetrachloroethane, 1,1,2,2-	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	14	15	11	8.4	9.2	8.3	4.9	5.3	8.8	12	13	11	21	39
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	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	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
Thiophene	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	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	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	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-	3.1 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-	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	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Trichloroethane, 1,1,1-	1.2 J	1.7 J	2.5	2.2	2.9	2.7	2.5	4.2	8.8	8.0	7.5	7.5	11	3.4
Trichloroethane, 1,1,2-	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	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
Trichlorofluoromethane	0.56 J	0.79 J	0.67 J	0.67 J	2.2 U	0.67 J	0.67 J	2.2 U	2.2 U	2.2 U	2.2 U	0.67 J	0.77 J	0.79 J
Trimethylbenzene, 1,2,3-	2.0 U	2.0 U	2.0 UJ	2.0 U	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
Trimethylbenzene, 1,2,4-	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Trimethylbenzene, 1,3,5-	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	2.0 U	2.0 U
Trimethylpentane, 2,2,4-	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-	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	0.64 J	2.6 U	2.6 U	2.6 U	1.0 J	2.6 U	2.6 U
Vinyl bromide	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	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	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	0.0164 U	0.017 U	0.0168 U	0.0174 U	0.016 U	0.0167 U	0.0176 U	0.0177 U	0.0159 U	0.0162 U	0.0144 U	NA	0.016 U	0.00311 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	Duplicate of: OZ-SV02 10/23/2009	OZ-SV02 10/29/2009	OZ-SV02 11/2/2009	OZ-SV02 11/6/2009	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
BTEX (ug/m3)														
Benzene	1.3 U	1.3 U	1.3 U	1.3 U	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
Toluene	1.5 U	1.5 U	1.5 U	1.5 U	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
Ethylbenzene	1.7 U	1.7 U	1.7 U	1.7 U	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
Xylene, m,p-	3.5 U	3.5 U	3.5 U	3.5 U	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
Xylene, o-	1.7 U	1.7 U	1.7 U	1.7 U	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
Other VOCs (ug/m3)														
Acetaldehyde	5.6	9.0 U	9.0 U	9.0 U	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
Acetone	6.7 U	3.6 U	2.2 J	2.2 J	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
Acrolein (propenal)	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
Allyl chloride	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	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	2.2 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	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
Bromodichloromethane	1.3 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	2.7 U	2.7 U	2.7 U	2.7 U
Bromoform	4.1 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	4.1 U	4.1 U
Bromomethane	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	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-	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	0.95 U	0.95 U	0.95 U	1.0	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
Butanone, 2-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Carbon disulfide	0.50 J	1.2 U	1.2 U	1.2 U	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
Carbon tetrachloride	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	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	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	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	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	13	5.5	4.1	4.0	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
Chloromethane	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	0.83 U	0.83 U
Chlorotoluene, 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
Cryofluorane	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	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	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-	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	1.4 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	3.4 U	3.4 U
Dibromoethane, 1,2-	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-	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-	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-	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	2.3	2.3	2.2	2.3	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
Dichloroethane, 1,1-	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	1.6 U	1.6 U	0.49 J
Dichloroethane, 1,2-	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	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-	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	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-	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	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-	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	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	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	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	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	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-	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	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-	0.84 J	0.97 J	0.70 J	2.8 U	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
Ethanol	1.0 J	3.8 U	3.8 U	1.2 J	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
Ethylthiophene, 2-	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	Duplicate of: OZ-SV02 10/23/2009	OZ-SV02 10/29/2009	OZ-SV02 11/2/2009	OZ-SV02 11/6/2009	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
Ethyltoluene, p-	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-	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	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	4.3 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
Hexane, n-	1.4 U	1.4 U	1.4 U	1.4 U	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
Hexanone, 2-	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	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 UJ	1.9 U	1.9 U	1.9 UJ	1.9 U
Indene	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 UJ	1.9 UJ	1.9 UJ	1.9 UJ	1.9 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	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-	3.9	0.90 J	0.74 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
Methylene chloride	3.5 U	0.97 J	3.5 U	1.0 J	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
Methylnaphthalene, 1-	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 UJ	2.3 UJ	2.3 U	2.3 U	2.3 U
Methylnaphthalene, 2-	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 UJ	2.3 UJ	2.3 U	2.3 U	2.3 U	2.3 U
Methylthiophene, 2-	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	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-	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	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	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	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	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	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-	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	1.2 U	1.2 U	1.2 U	1.2 U	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
Propanol, 2-	2.4 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	2.4 U	2.4 U	2.4 U	2.4 U	2.5 U
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	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	3.9	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
Tetrachloroethane, 1,1,2,2-	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	42	37	46	24	24	7.6	26	38	38	35	25	27	24	9.6
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	2.2 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	2.2 UJ	2.2 U	2.2 U	2.2 U	2.2 U
Thiophene	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	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
Trans-1,2-dichloroethene	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	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-	3.1 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-	3.0 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	3.0 U	3.0 U
Trichloroethane, 1,1,1-	3.4	2.1 J	2.3	1.1 J	1.1 J	2.2 U	1.6 J	2.5	2.4	2.5	2.5	2.8	3.0	3.0
Trichloroethane, 1,1,2-	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	2.2 U	2.2 U	2.2 U	2.2 U	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
Trichlorofluoromethane	0.79 J	0.79 J	0.67 J	1.5 J	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
Trimethylbenzene, 1,2,3-	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 UJ	2.0 U	2.0 U	2.0 UJ	2.0 U
Trimethylbenzene, 1,2,4-	2.0 U	2.0 U	2.0 U	2.0 U	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
Trimethylbenzene, 1,3,5-	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	2.0 U	2.0 U
Trimethylpentane, 2,2,4-	1.9 U	1.9 U	1.9 U	1.9 U	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
Undecane, n-	2.6 U	1.3 J	2.6 U	2.6 U	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
Vinyl bromide	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	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	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	0.00318 U	0.00331 U	0.0181 U	0.0158 U	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

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OZ-SV02 2/25/2010	Duplicate of: OZ-SV02 2/25/2010	OZ-SV02 3/24/2010	OZSV-02 4/15/2010	Duplicate of: OZSV-02 4/15/2010	OZSV-02 5/17/2010	OZSV-02 6/22/2010	Duplicate of: OZSV-02 6/22/2010	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/m3)														
Benzene	1.3 U	0.64 U	1.3 U	2.8 J	1.3 UJ	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	1.5 U	0.41 J	1.5 U	8.3 J	1.5 UJ	1.5 U	1.5 U	0.38 J	1.5 U	1.5 U	1.5 U	1.0 J	1.5 U	1.5 U
Ethylbenzene	1.7 U	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	1.7 U	1.7 U	1.7 U	1.7 U
Xylene, m,p-	3.5 U	1.7 U	3.5 U	1.3 J	3.5 UJ	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-	1.7 U	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	1.7 U	1.7 U	1.7 U	1.7 U
Other VOCs (ug/m3)														
Acetaldehyde	9.0 U	4.5 U	9.0 U	5.7 J	6.0 J	7.7 J	17	8.2 J	3.6 UJ	9.0 UJ	9.0 UJ	9.0 UJ	9.0 UJ	9.0 U
Acetone	1.7 J	2.5 J	2.5 J	2.8 J	2.2 J	2.8 J	4.3 J	4.0 J	4.9 U	3.6 UJ	3.6 UJ	3.6 UJ	3.6 UJ	3.6 U
Acrolein (propenal)	2.3 UJ	1.2 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	1.2 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	1.2 U
Benzothiophene	2.2 U	1.1 U	2.2 U	2.2 U	2.2 U	5.5 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
Bromodichloromethane	2.7 U	1.3 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	4.1 U	2.1 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	1.6 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	1.6 U
Butadiene, 1,3-	0.88 U	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
Butane	0.95 U	0.48 U	0.95 U	5.2 J	0.95 UJ	0.38 J	0.95 U	0.95 U	3.3	2.3	1.8	1.6	2.7	2.4
Butanone, 2-	1.2 U	0.59 U	1.2 U	1.2 U	1.2 U	1.2 U	0.55 J	0.68 J	1.2 U	2.6	1.2 U	1.2 U	1.2 U	1.2 U
Carbon disulfide	1.2 U	0.19 J	0.37 J	1.2 U	0.44 J	1.2 U	0.50 J	1.1 J	0.50 J	1.2 U	1.2 U	0.50 J	0.56 J	0.62 U
Carbon tetrachloride	2.5 U	1.3 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	1.8 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	1.8 U
Chloroethane	1.0 U	0.53 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	0.59 J	1.1	0.88 J	1.1 J	1.2 J	2.0	12	12	460	580	640	380	610	690
Chloromethane	0.83 U	0.41 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.25 J	0.25 J	0.33 J	0.83 U	0.83 U
Chlorotoluene, 2-	2.1 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	2.1 U
Cryofluorane	2.8 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	2.8 U
Cyclohexane	1.4 U	0.69 U	1.4 U	1.4 UJ	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
Decane, n-	2.3 U	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	2.3 U	2.3 U
Dibromochloromethane	3.4 U	1.7 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-	3.1 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	3.1 U
Dichlorobenzene, 1,2-	2.4 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	2.4 U
Dichlorobenzene, 1,3-	2.4 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	2.4 U
Dichlorobenzene, 1,4-	2.4 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	2.4 U
Dichlorodifluoromethane	2.0 U	0.54 J	0.69 J	2.4	2.3	2.2	2.2	2.4	3.2	2.4	2.1	2.4	1.7 J	1.7 J
Dichloroethane, 1,1-	1.6 U	0.32 J	0.65 J	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-	1.6 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	1.6 U
Dichloroethene, 1,1-	1.6 U	0.79 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-	1.6 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	1.6 U
Dichloropropane, 1,2-	1.8 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	1.8 U
Dichloropropene, cis-1,3	1.8 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	1.8 U
Dichloropropene, trans-1,3	1.8 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	1.8 U
Dioxane, 1,4-	1.4 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	1.4 U
Dodecane, n-	2.8 U	1.4 UJ	3.3	2.8 U	2.8 U	2.8 U	2.8 U	1.2 J	0.86 J	0.70 J	2.8 U	1.2 J	0.84 J	2.4 J
Ethanol	1.2 J	20 J	1.1 J	1.0 J	3.8 U	2.4 J	1.7 J	1.5 J	3.8 U	4.0	0.98 J	5.5	1.7 J	2.4 J
Ethylthiophene, 2-	1.8 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	1.8 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	OZ-SV02 2/25/2010	Duplicate of: OZ-SV02 2/25/2010	OZ-SV02 3/24/2010	OZSV-02 4/15/2010	Duplicate of: OZSV-02 4/15/2010	OZSV-02 5/17/2010	OZSV-02 6/22/2010	Duplicate of: OZSV-02 6/22/2010	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
Ethyltoluene, p-	2.0 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	2.0 U
Heptane, n-	1.6 U	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	0.98 J	1.6 U
Hexachlorobutadiene	4.3 U	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	4.3 U	4.3 UJ
Hexane, n-	1.4 U	0.70 U	1.4 U	0.35 J	1.4 UJ	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-	1.6 U	0.82 U	1.6 U	1.6 UJ	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
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	1.9 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 U	1.9 U	1.9 U	1.9 U	1.9 U
Indene	1.9 U	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
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	1.4 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	1.4 U
Methyl-2-pentanone, 4-	1.6 U	0.82 U	1.6 U	1.6 UJ	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
Methylene chloride	3.5 U	0.59 J	3.5 U	3.5 U	3.5 U	3.4 U	1.8 J	6.9 U	0.97 J	1.0 J	1.1 J	1.2 J	1.0 J	1.0 J
Methylnaphthalene, 1-	2.3 U	1.2 UJ	2.3 U	5.8 U	5.8 U	5.8 UJ	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-	2.3 U	1.2 UJ	2.3 U	5.8 U	5.8 U	5.8 U	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-	1.6 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	1.6 U
Methylthiophene, 3-	1.6 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	1.6 U
Naphthalene	2.1 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	2.1 U
Nonane	2.1 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	2.1 U
Octane, n-	1.9 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	1.9 U
Pentane	1.2 U	0.59 U	1.2 U	1.6	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-	2.5 U	1.2 UJ	2.5 U	2.5 U	2.5 U	2.5 U	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-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	1.7 U	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	1.7 U	1.7 U	1.4 J	1.7 U
t-Butyl alcohol	1.2 U	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
Tetrachloroethane, 1,1,2,2-	2.7 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	2.7 U
Tetrachloroethene	15	15	30	13	14	12	19	18	8.7	14	18	8.1	14	15
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	2.2 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 UJ	2.2 UJ	2.2 UJ	2.2 UJ	2.2 UJ
Thiophene	1.4 U	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
Trans-1,2-dichloroethene	1.6 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	1.6 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.1 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	3.1 U
Trichlorobenzene, 1,2,4-	3.0 U	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 UJ
Trichloroethane, 1,1,1-	3.8	3.5	4.2	1.2 J	1.2 J	1.5 J	1.2 J	1.1 J	0.87 J	1.5 J	2.6	1.2 J	1.8 J	2.0 J
Trichloroethane, 1,1,2-	2.2 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	2.2 U
Trichloroethene	2.2 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	0.86 J	2.2 U	2.2 U	2.2 U
Trichlorofluoromethane	2.2 U	0.51 J	2.2 U	1.9 J	1.9 J	1.6 J	2.1 J	2.1 J	2.2 U	0.56 J	2.2 U	1.4 J	2.2 U	2.2 U
Trimethylbenzene, 1,2,3-	2.0 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	2.0 U
Trimethylbenzene, 1,2,4-	2.0 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 UJ	2.0 UJ
Trimethylbenzene, 1,3,5-	2.0 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	2.0 U
Trimethylpentane, 2,2,4-	1.9 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	1.9 U
Undecane, n-	2.6 U	1.3 U	2.4 J	2.6 U	2.6 U	2.6 U	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	1.8 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	1.8 U
Vinyl chloride	1.0 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	1.0 U
Other (%)														
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	0.0148 U	0.0196 U	0.017 U	0.0179 U	0.0162 U	NA	0.0183 U	0.0165 U	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:	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
BTEX (ug/m3)											
Benzene	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
Toluene	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
Ethylbenzene	1.7 U	1.7 U	1.7 U	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-	3.5 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-	1.7 U	1.7 U	1.7 U	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/m3)											
Acetaldehyde	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
Acetone	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
Acrolein (propenal)	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
Allyl chloride	1.2 U	1.2 U	1.2 U	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	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
Bromodichloromethane	68	60	43	52	50	64	190	120	55	34	22
Bromoform	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
Bromomethane	1.6 U	1.6 U	1.6 U	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-	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	2.6	2.7	2.6	34	52	25	3.6	1.5	1.2	0.95	0.43 J
Butanone, 2-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.73 J
Carbon disulfide	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
Carbon tetrachloride	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
Chlorobenzene	1.8 U	1.8 U	1.8 U	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	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
Chloroform	440	440	250	530	430	440	1300	790	600	410	390
Chloromethane	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
Chlorotoluene, 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
Cryofluorane	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	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
Decane, n-	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	19	14	11	10	11	7.8	37	37	18	6.6	3.9
Dibromoethane, 1,2-	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-	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-	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-	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	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
Dichloroethane, 1,1-	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
Dichloroethane, 1,2-	1.6 U	1.6 U	1.6 U	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-	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
Dichloroethene, cis-1,2-	1.6 U	1.6 U	1.6 U	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-	1.8 U	1.8 U	1.8 U	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	1.8 U	1.8 U	1.8 U	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	1.8 U	1.8 U	1.8 U	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-	1.4 U	1.4 U	1.4 U	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-	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
Ethanol	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
Ethylthiophene, 2-	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

Sample Name: Sample Date:	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
Ethyltoluene, p-	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-	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
Hexachlorobutadiene	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
Hexane, n-	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
Hexanone, 2-	1.6 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
Hydrogen sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indan	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
Indene	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
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	1.4 U	1.4 U	1.4 U	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-	1.6 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
Methylene chloride	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
Methylnaphthalene, 1-	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
Methylnaphthalene, 2-	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
Methylthiophene, 2-	1.6 U	1.6 U	1.6 U	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-	1.6 U	1.6 U	1.6 U	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	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
Nonane	2.1 U	2.1 U	2.1 U	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-	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
Pentane	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
Propanol, 2-	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
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	1.7 U	1.7 U	1.7 U	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	1.2 U	1.2 U	1.2 U	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-	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	12	12	11	0.95 J	2.7 U	2.7 U	11	24	24	22	35
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	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
Thiophene	1.4 U	1.4 U	1.4 U	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	1.6 U	1.6 U	1.6 U	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-	3.1 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-	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-	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
Trichloroethane, 1,1,2-	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	0.75 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
Trichlorofluoromethane	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
Trimethylbenzene, 1,2,3-	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
Trimethylbenzene, 1,2,4-	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, 1,3,5-	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
Trimethylpentane, 2,2,4-	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-	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
Vinyl bromide	1.8 U	1.8 U	1.8 U	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	1.0 U	1.0 U	1.0 U	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Helium	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

Table 5-1
Analytical Soil Vapor Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Report

Notes:

ug/m³ - micrograms per cubic meter

BTEX - benzene, toluene, ethylbenzene, and xylene

VOCs - volatile organic compounds

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

J - estimated value

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

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

Table 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
BTEX (ug/m3)										
Benzene	5.8	2.5 U	2.6 U	2.4 U	2.4 U	2.2	2.2 U	2.4 U	2.4 U	2.4 U
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
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
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
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
Other VOCs (ug/m3)										
Acetaldehyde	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	58	16.9	14.3	7.1 U	7.1 U	16.9	30.9	22.1	10	12.4
Acrolein (propenal)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Allyl chloride	NE	10 U	10 U	9.4 U	9.4 U	8.1 U	8.8 U	9.4 U	9.4 U	9.4 U
Benzothiophene	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	NE	5.3 U	5.4 U	5.1 U	5 U	4.4 U	4.7 U	5.1 U	5.1 U	5 U
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
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
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
Butane	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butanone, 2-	17	2.8	2.4 J	2.2 U	2.2 U	1.9 U	3.2	2.7	2.2 U	2.2 U
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
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
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
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
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
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
Chlorotoluene, 2-	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cryofluorane	1.3	5.5 U	5.6 U	5.3 U	5.2 U	4.5 U	4.9 U	5.3 U	5.3 U	5.2 U
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
Decane, n-	3.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	NE	6.7 U	6.8 U	6.5 U	6.3 U	5.5 U	6 U	6.5 U	6.5 U	6.3 U
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
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
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
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
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
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
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
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
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

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
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
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
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
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
Dodecane, n-	7.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethanol	220	6 U	6.8	5.7 U	5.7 U	4.9 U	8.7	5.7 U	5.7 U	5.7 U
Ethylthiophene, 2-	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
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
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
Hexachlorobutadiene	7	34.1 U	34.1 U	32 U	32 U	27.7 U	29.9 U	32 U	32 U	32 U
Hexane, n-	3.6	2.8 U	2.8 U	2.7 U	2.6 U	2.3 U	2.5 U	2.7 U	2.7 U	2.6 U
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
Indan	NE	ND	ND	ND	ND	NA	NA	NA	NA	NA
Indene	NE	ND	ND	ND	ND	NA	NA	NA	NA	NA
Isopropyl benzene	0.4	3.9 U	3.9 U	3.7 U	3.6 U	3.2 U	3.4 U	3.7 U	3.7 U	3.6 U
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
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
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
Methylnaphthalene, 1-	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylnaphthalene, 2-	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylthiophene, 2-	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylthiophene, 3-	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	10	16.8 U	16.8 U	15.7 U	15.7 U	13.6 UJ	14.7 UJ	15.7 U	15.7 U	15.7 U
Nonane	1.2	NA	NA	NA	NA	NA	NA	NA	NA	NA
Octane, n-	2.1	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pentane	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Propanol, 2-	NE	7.9 U	7.9 U	7.4 U	7.4 U	6.4 U	6.9 U	7.4 U	7.4 U	7.4 U
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
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
t-Butyl alcohol	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethane, 1,1,2,2-	<0.25	5.4 U	5.5 U	5.2 U	5.1 U	4.5 U	4.8 U	5.2 U	5.2 U	5.1 U
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
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
Tetramethylbenzene, 1,2,4,5-	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thiophene	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trans-1,2-dichloroethene	NE	3.1 U	3.2 U	3 U	2.9 U	2.6 U	2.8 U	3 U	3 U	2.9 U
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

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
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
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
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
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
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
Trimethylbenzene, 1,2,3-	0.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trimethylbenzene, 1,2,4-	2.5	3.9 U	3.9 U	3.7 U	3.6 U	3.2 U	3.4 U	3.7 U	3.7 U	3.6 U
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
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
Undecane, n-	2.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl bromide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	<0.25	2 U	2 U	1.9 U	1.9 U	1.7 U	1.8 U	1.9 U	1.9 U	1.9 U

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 2/1/2006	OU2AA01 6/14/2006	Duplicate of OU2AA01 6/14/2006	OU2AA01 9/7/2006	Duplicate of OU2AA01 9/7/2006	Field Blank OU2AA01 2/22/2007	OU2AA01 2/22/2007	Duplicate of OU2AA01 2/22/2007	OU2AA01 6/14/2007
BTEX (ug/m3)										
Benzene	5.8	2.5 U	2.3 U	2.3 U	2.6 U	2.6 U	5.0	4.5 J	4.5 J	0.43 J
Toluene	21	3 U	3.8	3.3	12.1 J	3.1 UJ	15	16 J	19 J	0.74 J
Ethylbenzene	1.9	3.4 U	3.2 U	3.2 U	3.5 U	3.6 U	2.5	1.7	2.0	0.87 U
Xylene, m,p-	3.1	3.4 U	3.2 U	3.2 U	3.5 U	3.6 U	7.6	5.4 J	6.5 J	0.25 J
Xylene, o-	2.5	3.4 U	3.2 U	3.2 U	3.5 U	3.6 U	2.8	1.9	2.0	0.87 U
Other VOCs (ug/m3)										
Acetaldehyde	NE	NA	NA	NA	NA	NA	2.7 J	2.6 UJ	2.6 J	43 J
Acetone	58	7.6 U	6.9 UJ	9.7 J	14.5 J	7.8 UJ	14	16	16	19
Acrolein (propenal)	NE	NA	NA	NA	NA	NA	0.46 U	0.46 U	0.46 U	0.46 U
Allyl chloride	NE	10 U	9.1 U	9.1 U	10 U	10.3 U	0.63 U	0.63 U	0.63 U	0.63 U
Benzothiophene	NE	NA	NA	NA	NA	NA	5.5 UJ	5.5 UJ	5.5 UJ	2.7 UJ
Bromodichloromethane	NE	5.3 U	4.9 U	4.9 U	5.4 U	5.5 U	1.3 U	1.3 U	1.3 U	1.3 UJ
Bromoform	NE	8.2 U	7.5 U	7.5 U	8.3 U	8.5 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	0.9	3.1 U	2.8 U	2.8 U	3.1 U	3.2 U	0.78 U	0.78 U	0.78 U	0.78 U
Butadiene, 1,3-	NE	1.7 U	1.6 U	1.6 U	1.8 U	1.8 U	0.86	0.66	0.84	0.44 U
Butane	NE	NA	NA	NA	NA	NA	15	14 J	15 J	0.48 U
Butanone, 2-	17	2.3 U	2.2 U	2.2 U	2.4 U	2.4 U	1.7	3.0	2.7	1
Carbon disulfide	NE	2.5 U	2.3 U	2.3 U	2.5 U	2.6 U	1.7	0.62 U	0.62 U	0.62 U
Carbon tetrachloride	1	5 U	4.6 U	4.6 U	5 U	5.2 U	1.3 U	0.44 J	1.3 U	0.57 J
Chlorobenzene	<0.25	3.6 U	3.4 U	3.4 U	3.7 U	3.8 U	0.92 U	0.92 U	0.92 U	0.92 U
Chloroethane	0.4	2.1 U	1.9 U	1.9 U	2.1 U	2.2 U	0.53 U	0.53 U	0.53 U	0.53 U
Chloroform	0.5	3.9 U	3.6 U	3.6 U	3.9 U	4 U	0.98 U	0.98 U	0.98 U	0.98 U
Chloromethane	4.6	6.6 U	6 U	6 U	6.6 U	6.8 U	1.2 J	1.1 J	1.1 J	1.3
Chlorotoluene, 2-	NE	NA	NA	NA	NA	NA	1.0 U	1.0 U	1.0 U	1 U
Cryofluorane	1.3	5.5 U	5.1 U	5.1 U	5.6 U	5.7 U	1.4 U	1.4 U	1.4 U	1.4 U
Cyclohexane	3	2.7 U	2.5 U	2.5 U	2.8 U	2.8 U	1.2	1.3	1.2	0.69 U
Decane, n-	3.6	NA	NA	NA	NA	NA	0.99 J	1.3 J	1.3 J	1.2 U
Dibromochloromethane	NE	6.7 U	6.2 U	6.2 U	6.8 U	7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dibromoethane, 1,2-	<0.25	6.1 U	5.6 U	5.6 U	6.1 U	6.3 U	1.5 U	1.5 U	1.5 U	1.5 U
Dichlorobenzene, 1,2-	0.9	4.7 U	4.4 U	4.4 U	4.8 U	4.9 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,3-	0.7	4.7 U	4.4 U	4.4 U	4.8 U	4.9 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,4-	0.8	4.7 U	4.4 U	4.4 U	4.8 U	4.9 U	1.2 UJ	0.60 J	0.60 J	1.2 U
Dichlorodifluoromethane	11	3.9 U	3.6 U	3.6 U	4 U	4.1 U	2.8	3.1	3.1	2.9
Dichloroethane, 1,1-	<0.25	3.2 U	3 U	3 U	3.2 U	3.3 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethane, 1,2-	<0.25	3.2 U	3 U	3 U	3.2 U	3.3 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethene, 1,1-	<0.25	3.1 U	2.9 U	2.9 U	3.2 U	3.3 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloroethene, cis-1,2-	<0.25	3.1 U	2.9 U	2.9 U	3.2 U	3.3 U	0.79 U	0.79 U	0.79 U	0.79 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 2/1/2006	OU2AA01 6/14/2006	Duplicate of OU2AA01 6/14/2006	OU2AA01 9/7/2006	Duplicate of OU2AA01 9/7/2006	Field Blank OU2AA01 2/22/2007	OU2AA01 2/22/2007	Duplicate of OU2AA01 2/22/2007	OU2AA01 6/14/2007
Dichloropropane, 1,2-	<0.25	3.7 U	3.4 U	3.4 U	3.7 U	3.8 U	0.92 U	0.92 U	0.92 U	0.92 U
Dichloropropene, cis-1,3	<0.25	3.6 U	3.3 U	3.3 U	3.6 U	3.7 U	0.91 U	0.91 U	0.91 U	0.91 U
Dichloropropene, trans-1,3	<0.25	3.6 U	3.3 U	3.3 U	3.6 U	3.7 U	0.91 U	0.91 U	0.91 U	0.91 U
Dioxane, 1,4-	NE	11.5 U	10.5 U	10.5 U	11.5 U	11.9 U	1.8 U	1.8 U	1.8 U	1.8 U
Dodecane, n-	7.6	NA	NA	NA	NA	NA	0.42 J	1.4 U	0.56 J	1.4 U
Ethanol	220	22.6	5.5 U	5.5 U	22.6 J	6.8 J	30	26 U	25 J	10
Ethylthiophene, 2-	NE	NA	NA	NA	NA	NA	0.92 U	0.92 U	0.92 U	0.92 U
Ethyltoluene, p-	NE	3.9 U	3.6 U	3.6 U	3.9 U	4 U	0.59 J	0.49 J	0.49 J	0.98 U
Heptane, n-	5.1	3.2 U	3 U	3 U	3.3 U	3.4 U	2.6	2.3 J	2.3	0.82 U
Hexachlorobutadiene	7	34.1 U	30.9 U	30.9 U	34.1 UJ	35.2 UJ	2.1 UJ	2.1 UJ	2.1 UJ	2.1 UJ
Hexane, n-	3.6	2.8 U	2.6 U	2.6 U	2.8 U	2.9 U	5.9	5.7 J	5.6 J	0.21 J
Hexanone, 2-	NE	13.1 U	11.9 U	11.9 U	13.1 U	13.5 U	2.0 U	2.0 U	2.0 U	0.82 U
Indan	NE	NA	NA	NA	15.5 U	16 U	0.58 J	0.97 U	0.48 J	0.97 U
Indene	NE	NA	NA	NA	15.2 U	15.7 U	0.95 U	0.95 U	0.95 U	0.95 U
Isopropyl benzene	0.4	3.9 U	3.6 U	3.6 U	3.9 U	4 U	NA	NA	NA	NA
Methyl tert-butyl ether	5.9	2.8 U	2.6 U	2.6 U	2.9 U	3 U	0.72 U	0.72 U	0.72 U	0.72 U
Methyl-2-pentanone, 4-	2.9	3.2 U	3 U	3 U	3.3 U	3.4 U	0.65 J	0.82 U	0.45 J	1.2
Methylene chloride	2.9	2.7 U	2.5 U	2.5 U	2.8 U	2.8 U	5.9 J	8.0	7.2 J	2.4
Methylnaphthalene, 1-	NE	NA	NA	NA	NA	NA	14 U	14 U	14 U	29 U
Methylnaphthalene, 2-	NE	NA	NA	NA	NA	NA	14 U	14 U	14 U	5.8 U
Methylthiophene, 2-	NE	NA	NA	NA	NA	NA	0.80 U	0.80 U	0.80 U	0.8 U
Methylthiophene, 3-	NE	NA	NA	NA	NA	NA	0.80 U	0.80 U	0.80 U	0.8 U
Naphthalene	10	16.8 U	15.2 UJ	15.2 UJ	16.8 U	17.3 U	2.6 U	0.26 J	0.37 J	5.2 UJ
Nonane	1.2	NA	NA	NA	NA	NA	1.1	1.5	1.6	1 U
Octane, n-	2.1	NA	NA	NA	NA	NA	0.93	0.89 J	1.2	0.93 U
Pentane	NE	NA	NA	NA	NA	NA	7.3	6.2 J	6.5 J	0.98
Propanol, 2-	NE	7.9 U	7.1 U	7.1 U	9.6 J	8.1 UJ	4.0	5.2 J	4.8 J	9.1
Propylbenzene, n-	0.5	3.9 U	3.6 U	3.6 U	3.9 U	4 U	NA	NA	NA	NA
Styrene	0.6	3.4 U	3.1 U	3.1 U	3.4 U	3.5 U	0.38 J	0.25 J	0.43 J	0.85 U
t-Butyl alcohol	NE	NA	NA	NA	NA	NA	0.61 U	0.61 U	0.61 U	0.61 U
Tetrachloroethane, 1,1,2,2-	<0.25	5.4 U	5 U	5 U	5.5 U	5.6 U	1.4 U	1.4 U	1.4 U	1.4 U
Tetrachloroethene	1.6	5.4 U	5 U	5 U	5.4 U	5.6 U	1.2 J	2.4	3.3	1.4 U
Tetrahydrofuran	0.4	2.3 U	2.2 U	2.2 U	2.4 U	2.4 U	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	NA	NA	NA	NA	NA	1.1 U	1.1 U	1.1 U	1.1 U
Thiophene	NE	NA	NA	NA	NA	NA	0.69 U	0.69 U	0.69 U	0.69 U
Trans-1,2-dichloroethene	NE	3.1 U	2.9 U	2.9 U	3.2 U	3.3 U	0.79 U	0.79 U	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	6.1 U	5.6 U	5.6 U	6.1 U	6.3 U	0.54 J	0.69 J	0.54 J	0.59 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	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	Field Blank OU2AA01 2/22/2007	OU2AA01 2/22/2007	Duplicate of OU2AA01 2/22/2007	OU2AA01 6/14/2007
Trichlorobenzene, 1,2,4-	4.8	23.7 U	21.5 U	21.5 U	23.7 UJ	24.5 UJ	1.5 UJ	1.5 UJ	1.5 UJ	3.7 U
Trichloroethane, 1,1,1-	0.7	4.3 U	4 U	4 U	4.4 U	4.5 U	1.1 U	1.1 U	1.1 U	1.1 UJ
Trichloroethane, 1,1,2-	<0.25	4.3 U	4 U	4 U	4.4 U	4.5 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethene	0.5	4.2 U	3.9 U	3.9 U	4.3 U	4.4 U	1.1	3.0 J	3.1	1.1 U
Trichlorofluoromethane	6.1	4.4 U	4.1 U	4.1 U	4.5 U	4.6 U	1.8	2.1	2.1	1.9 J
Trimethylbenzene, 1,2,3-	0.6	NA	NA	NA	NA	NA	1.2	1.0	1.2	0.98 U
Trimethylbenzene, 1,2,4-	2.5	3.9 U	3.6 U	3.6 U	3.9 UJ	4 UJ	3.0	1.9	2.5	0.98 U
Trimethylbenzene, 1,3,5-	1	3.9 U	3.6 U	3.6 U	3.9 U	4 U	0.98	0.59 J	0.79 J	0.98 U
Trimethylpentane, 2,2,4-	2	3.7 U	3.4 U	3.4 U	3.7 U	3.8 U	4.9 J	4.5 J	4.8 J	0.23 J
Undecane, n-	2.3	NA	NA	NA	NA	NA	0.57 J	1.3 U	1.1 J	6.4 UJ
Vinyl bromide	NE	NA	NA	NA	NA	NA	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl chloride	<0.25	2 U	1.9 U	1.9 U	2 U	2.1 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	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
BTEX (ug/m3)										
Benzene	5.8	1.4 U	3.3	2.0	1.8	0.57 J	0.72	0.89	1.0 U	1.0 U
Toluene	21	4.0	10	6.8	1.2	1.8	0.70 J	1.0	3.6	4.0
Ethylbenzene	1.9	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
Xylene, m,p-	3.1	1.8	4.6	2.7	0.48 J	0.69 J	0.23 J	1.7 U	1.3 J	1.6 J
Xylene, o-	2.5	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
Other VOCs (ug/m3)										
Acetaldehyde	NE	18	1.8 U	7.4 J	27	13	4.7 J	5.2 U	8.4 U	12
Acetone	58	9.3	19	13 J	7.8	9.2 J	5.4 J	3.8 U	7.2 U	7.5 UJ
Acrolein (propenal)	NE	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
Allyl chloride	NE	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
Benzothiophene	NE	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
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
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
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
Butadiene, 1,3-	NE	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
Butane	NE	1.8	15	5.4	0.50	1.8	3.0	0.93	1.7	1.4
Butanone, 2-	17	3.1	5.9	2.0	1.4	1.4	0.66	0.74	0.85	1.0
Carbon disulfide	NE	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
Carbon tetrachloride	1	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
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
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
Chloroform	0.5	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.35 J	0.39 J
Chloromethane	4.6	0.99	1.0	1.0	1.6	1.0	1.3	1.0	1.1	0.87 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
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
Cyclohexane	3	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
Decane, n-	3.6	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
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
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
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
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
Dichlorobenzene, 1,4-	0.8	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
Dichlorodifluoromethane	11	2.5	2.7	2.1	2.5	2.6	2.5	2.6	2.5	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
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
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
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

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 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
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
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
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
Dioxane, 1,4-	NE	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
Dodecane, n-	7.6	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
Ethanol	220	15	24	20	6.3	5.7	5.0	12	13	3.1 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
Ethyltoluene, p-	NE	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
Heptane, n-	5.1	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
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
Hexane, n-	3.6	1.4	2.8	1.8	0.25 J	0.60 J	0.65 J	0.21 J	0.89	1.1
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
Indan	NE	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
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
Isopropyl benzene	0.4	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
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
Methylene chloride	2.9	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
Methylnaphthalene, 1-	NE	5.8 UJ	14 UJ	1.2 U	2.9 UJ	1.2 U	R	5.8 U	1.2 U	1.2 UJ
Methylnaphthalene, 2-	NE	14 U	14 U	1.2 U	2.9 UJ	1.2 U	14 UJ	5.8 U	1.2 U	1.2 U
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
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
Naphthalene	10	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
Nonane	1.2	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
Octane, n-	2.1	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
Pentane	NE	1.6	5.7	3.1	0.56 J	1.3	3.6	0.47 J	1.6	1.4
Propanol, 2-	NE	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
Propylbenzene, n-	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.6	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
t-Butyl alcohol	NE	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
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
Tetrachloroethene	1.6	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
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	14 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	5.5 U	1.1 U	1.1 U
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
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
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	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

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 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
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
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
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
Trichloroethene	0.5	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
Trichlorofluoromethane	6.1	1.5	1.4	1.3	1.2	1.3	1.4	1.4	1.8	1.8 J
Trimethylbenzene, 1,2,3-	0.6	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
Trimethylbenzene, 1,2,4-	2.5	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
Trimethylbenzene, 1,3,5-	1	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
Trimethylpentane, 2,2,4-	2	1.4 J	1.3	1.0	0.93 U	0.37 J	0.93 U	0.93 U	0.79 J	0.98
Undecane, n-	2.3	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
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
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

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-01 12/29/2009	OU2AA-01 3/25/2010	OU2AA-01 6/8/2010	OU2AA02 5/5/2005	OU2AA02 8/30/2005	OU2AA02 2/1/2006	OU2AA02 6/14/2006	OU2AA02 9/7/2006	OU2AA02 2/22/2007
BTEX (ug/m3)										
Benzene	5.8	0.32 J	2.6	0.79	2.4 U	2.5 U	2.4 U	2.5 U	2.4 U	5.6 J
Toluene	21	0.23 J	10	2.6	2.8 U	2.9 U	2.9 U	3.1	2.8 U	19 J
Ethylbenzene	1.9	0.87 U	2.6	0.40 J	3.2 U	3.4 U	3.3 U	3.4 U	3.2 U	2.8 J
Xylene, m,p-	3.1	1.7 U	6.2	0.97 J	3.2 U	3.4 U	3.3 U	3.4 U	3.2 U	8.2 J
Xylene, o-	2.5	0.87 U	2.0	0.40 J	3.2 U	3.4 U	3.3 U	3.4 U	3.2 U	2.7 U
Other VOCs (ug/m3)										
Acetaldehyde	NE	1.6 J	7.9 J	11	NA	NA	NA	NA	NA	2.6 UJ
Acetone	58	2.0	6.9 J	6.6 J	33.3	33.3	7.1 U	20	18.1	14 U
Acrolein (propenal)	NE	1.2 U	0.37 J	1.2 U	NA	NA	NA	NA	NA	0.46 U
Allyl chloride	NE	0.63 U	0.63 U	0.63 U	9.4 U	9.7 U	9.4 U	10 U	9.4 U	0.63 U
Benzothiophene	NE	1.1 U	1.1 U	2.7 U	NA	NA	NA	NA	NA	5.5 UJ
Bromodichloromethane	NE	1.3 U	1.3 U	1.3 U	5 U	5.2 U	5.1 U	5.3 U	5 U	1.3 U
Bromoform	NE	2.1 U	2.1 U	2.1 U	7.6 U	8.1 U	7.9 U	8.2 U	7.6 U	2.1 U
Bromomethane	0.9	0.78 U	0.78 U	0.78 U	2.9 U	3 U	3 U	3.1 U	2.9 U	0.78 U
Butadiene, 1,3-	NE	0.44 U	0.51	0.44 U	1.6 U	1.7 U	1.7 U	1.7 U	1.6 U	0.77 U
Butane	NE	0.62	7.8	0.73	NA	NA	NA	NA	NA	15 J
Butanone, 2-	17	0.59 U	1.2	1.3	6.2	2.3 U	2.2 U	7.1	5	2.1 J
Carbon disulfide	NE	0.62 U	0.62 U	0.40 J	2.3 U	2.4 U	2.4 U	14.6	2.8	0.62 U
Carbon tetrachloride	1	0.38 J	0.44 J	0.50 J	4.7 U	4.9 U	4.8 U	5 U	4.7 U	1.3 U
Chlorobenzene	<0.25	0.92 U	0.92 U	0.92 U	3.4 U	3.6 U	3.5 U	3.6 U	3.4 U	0.92 U
Chloroethane	0.4	0.53 U	0.53 U	0.53 U	2 U	2.1 U	2 U	2.1 U	2 U	0.53 U
Chloroform	0.5	0.98 U	0.98 U	0.30 J	3.6 U	3.8 U	3.7 U	3.9 U	3.6 U	0.98 U
Chloromethane	4.6	1.1	0.95	1.0	6.2 U	6.4 U	6.2 U	6.6 U	6.2 U	1.0 U
Chlorotoluene, 2-	NE	1.0 U	1.0 U	1.0 U	NA	NA	NA	NA	NA	1.0 U
Cryofluorane	1.3	1.4 U	1.4 U	1.4 U	5.2 U	5.5 U	5.3 U	5.5 U	5.2 U	1.4 U
Cyclohexane	3	0.69 U	0.62 J	0.69 U	2.5 U	2.7 U	2.6 U	2.7 U	2.5 U	1.3 J
Decane, n-	3.6	1.2 U	0.93 J	1.2 U	NA	NA	NA	NA	NA	1.2 U
Dibromochloromethane	NE	1.7 U	1.7 U	1.7 U	6.3 U	6.6 U	6.5 U	6.7 U	6.3 U	1.7 U
Dibromoethane, 1,2-	<0.25	1.5 U	1.5 U	1.5 U	5.7 U	6 U	5.8 U	6.1 U	5.7 U	1.5 U
Dichlorobenzene, 1,2-	0.9	1.2 U	1.2 U	1.2 U	4.4 U	4.7 U	4.6 U	4.7 U	4.4 U	1.2 U
Dichlorobenzene, 1,3-	0.7	1.2 U	1.2 U	1.2 U	4.4 U	4.7 U	4.6 U	4.7 U	4.4 U	1.2 U
Dichlorobenzene, 1,4-	0.8	1.2 U	0.36 J	1.2 U	4.4 U	4.7 U	4.6 U	4.7 U	4.4 U	0.60 J
Dichlorodifluoromethane	11	2.2	2.2	2.2	3.7 U	3.9 U	3.8 U	3.9 U	3.7 U	2.7 U
Dichloroethane, 1,1-	<0.25	0.81 U	0.81 U	0.81 U	3 U	3.2 U	3.1 U	3.2 U	3 U	0.81 U
Dichloroethane, 1,2-	<0.25	0.81 U	0.81 U	0.81 U	3 U	3.2 U	3.1 U	3.2 U	3 U	0.81 U
Dichloroethene, 1,1-	<0.25	0.79 U	0.79 U	0.79 U	2.9 U	3.1 U	3 U	3.1 U	2.9 U	0.79 U
Dichloroethene, cis-1,2-	<0.25	0.79 U	0.79 U	0.79 U	2.9 U	3.1 U	3 U	3.1 U	2.9 U	0.79 U

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-01 12/29/2009	OU2AA-01 3/25/2010	OU2AA-01 6/8/2010	OU2AA02 5/5/2005	OU2AA02 8/30/2005	OU2AA02 2/1/2006	OU2AA02 6/14/2006	OU2AA02 9/7/2006	OU2AA02 2/22/2007
Dichloropropane, 1,2-	<0.25	0.92 U	0.92 U	0.92 U	3.4 U	3.6 U	3.5 U	3.7 U	3.4 U	0.92 U
Dichloropropene, cis-1,3	<0.25	0.91 U	0.91 U	0.91 U	3.4 U	3.5 U	3.4 U	3.6 U	3.4 U	0.91 U
Dichloropropene, trans-1,3	<0.25	0.91 U	0.91 U	0.91 U	3.4 U	3.5 U	3.4 U	3.6 U	3.4 U	0.91 U
Dioxane, 1,4-	NE	0.72 U	0.72 U	0.72 U	10.8 U	11.2 U	10.8 U	11.5 U	10.8 U	1.8 U
Dodecane, n-	7.6	1.4 UJ	0.42 J	1.4 U	NA	NA	NA	NA	NA	1.4 U
Ethanol	220	0.77 J	20	8.1	8.9	5.8 U	5.7 U	6 U	7.2	20 U
Ethylthiophene, 2-	NE	0.92 U	0.92 U	0.92 U	NA	NA	NA	NA	NA	0.92 U
Ethyltoluene, p-	NE	0.98 U	0.84 J	0.98 U	3.6 U	3.8 U	3.7 U	3.9 U	3.6 U	0.98 U
Heptane, n-	5.1	0.82 U	1.2	0.41 J	3 U	3.2 U	3.1 U	3.2 U	3 U	3.0 J
Hexachlorobutadiene	7	2.1 U	2.1 U	2.1 U	32 U	33.1 U	32 U	34.1 U	32 UJ	2.1 UJ
Hexane, n-	3.6	0.70 U	2.1	0.63 J	2.6 U	2.7 U	2.7 U	2.8 U	2.6 U	6.2 J
Hexanone, 2-	NE	0.82 U	0.82 U	0.82 U	12.3 U	12.7 U	12.3 U	13.1 U	12.3 U	2.0 U
Indan	NE	0.97 U	0.97	0.97 U	NA	NA	NA	NA	14.5 U	0.97 U
Indene	NE	0.95 U	0.33 J	0.95 U	NA	NA	NA	NA	14.3 U	0.95 U
Isopropyl benzene	0.4	NA	NA		3.6 U	3.8 U	3.7 U	3.9 U	3.6 U	NA
Methyl tert-butyl ether	5.9	0.72 U	0.72 U	0.72 U	2.7 U	2.8 U	2.7 U	2.8 U	2.7 U	0.72 U
Methyl-2-pentanone, 4-	2.9	0.82 U	0.82 U	0.82 U	3 U	3.2 U	3.1 U	3.2 U	3 U	0.82 U
Methylene chloride	2.9	0.52 J	1.0 J	1.6 J	2.6 U	2.7 U	2.6 U	2.7 U	2.6 U	3.8 U
Methylnaphthalene, 1-	NE	1.2 U	2.9 UJ	2.9 U	NA	NA	NA	NA	NA	14 U
Methylnaphthalene, 2-	NE	1.2 U	2.9 UJ	2.9 U	NA	NA	NA	NA	NA	14 U
Methylthiophene, 2-	NE	0.80 U	0.80 U	0.80 U	NA	NA	NA	NA	NA	0.80 U
Methylthiophene, 3-	NE	0.80 U	0.80 U	0.80 U	NA	NA	NA	NA	NA	0.80 U
Naphthalene	10	1.0 U	0.63 J	0.46 J	15.7 UJ	16.3 U	15.7 U	16.8 UJ	15.7 U	0.31 J
Nonane	1.2	1.0 U	0.73 J	1.0 U	NA	NA	NA	NA	NA	1.2 J
Octane, n-	2.1	0.93 U	0.51 J	0.93 U	NA	NA	NA	NA	NA	1.2 J
Pentane	NE	0.59 U	5.1	0.86	NA	NA	NA	NA	NA	7.2 J
Propanol, 2-	NE	1.2 U	2.3	0.72 J	7.4 U	7.6 U	7.4 U	7.9 U	7.4 U	3.8 J
Propylbenzene, n-	0.5	NA	NA	NA	3.6 U	3.8 U	3.7 U	3.9 U	3.6 U	NA
Styrene	0.6	0.85 U	0.34 J	0.85 U	3.2 U	3.3 U	3.2 U	3.4 U	3.2 U	0.85 U
t-Butyl alcohol	NE	0.61 U	0.61 U	0.61 U	NA	NA	NA	NA	NA	0.61 U
Tetrachloroethane, 1,1,2,2-	<0.25	1.4 U	1.4 U	1.4 U	5.1 U	5.4 U	5.2 U	5.4 U	5.1 U	1.4 U
Tetrachloroethene	1.6	1.4 U	0.75 J	1.4 U	5 U	5.3 U	5.2 U	5.4 U	5 U	1.5 J
Tetrahydrofuran	0.4	NA	NA	NA	2.2 U	2.3 U	2.2 U	2.3 U	2.2 U	NA
Tetramethylbenzene, 1,2,4,5-	NE	1.1 U	1.1 U	1.1 U	NA	NA	NA	NA	NA	1.1 U
Thiophene	NE	0.69 U	0.69 U	0.69 U	NA	NA	NA	NA	NA	0.69 U
Trans-1,2-dichloroethene	NE	0.79 U	0.79 U	0.79 U	2.9 U	3.1 U	3 U	3.1 U	2.9 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	0.46 J	0.46 J	0.49 J	5.7 U	6 U	5.8 U	6.1 U	5.7 U	1.5 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-01 12/29/2009	OU2AA-01 3/25/2010	OU2AA-01 6/8/2010	OU2AA02 5/5/2005	OU2AA02 8/30/2005	OU2AA02 2/1/2006	OU2AA02 6/14/2006	OU2AA02 9/7/2006	OU2AA02 2/22/2007
Trichlorobenzene, 1,2,4-	4.8	1.5 U	1.5 U	1.5 U	22.3 U	23 U	22.3 U	23.7 U	22.3 UJ	1.5 UJ
Trichloroethane, 1,1,1-	0.7	1.1 U	1.1 U	1.1 U	4 U	4.3 U	4.1 U	4.3 U	4 U	1.1 U
Trichloroethane, 1,1,2-	<0.25	1.1 U	1.1 U	1.1 U	4 U	4.3 U	4.1 U	4.3 U	4 U	1.1 U
Trichloroethene	0.5	1.1 U	0.48 J	1.1 U	4 U	4.2 U	4.1 U	4.2 U	4 U	1.2 J
Trichlorofluoromethane	6.1	1.1 J	1.2	1.1	4.2 U	4.4 U	4.3 U	4.4 U	4.2 U	1.8 J
Trimethylbenzene, 1,2,3-	0.6	0.98 U	0.74 J	0.98 U	NA	NA	NA	NA	NA	1.2 J
Trimethylbenzene, 1,2,4-	2.5	0.98 U	2.1	0.98 U	3.6 U	3.8 U	3.7 U	3.9 U	3.6 UJ	2.8 U
Trimethylbenzene, 1,3,5-	1	0.98 U	0.59 J	0.98 U	3.6 U	3.8 U	3.7 U	3.9 U	3.6 U	0.98 U
Trimethylpentane, 2,2,4-	2	0.93 U	1.9 J	1.1	3.5 U	3.6 U	3.6 U	3.7 U	3.5 U	5.2 J
Undecane, n-	2.3	1.3 U	0.70 J	1.3 U	NA	NA	NA	NA	NA	1.3 U
Vinyl bromide	NE	0.87 U	0.87 U	0.87 U	NA	NA	NA	NA	NA	0.87 U
Vinyl chloride	<0.25	0.51 U	0.51 U	0.51 U	1.9 U	2 U	1.9 U	2 U	1.9 U	0.51 U

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 5/24/2007	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	OU2AA-02 9/22/2009
BTEX (ug/m3)											
Benzene	5.8	0.73	0.64 U	1.2	0.64 J	0.96	0.29 J	0.60 J	0.38 J	0.64 U	0.64 U
Toluene	21	4.5	0.90	11	0.88	1.0	1.5	0.67 J	0.53 J	0.52 J	0.23 J
Ethylbenzene	1.9	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	0.87 U
Xylene, m,p-	3.1	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	1.7 U
Xylene, o-	2.5	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	0.87 U
Other VOCs (ug/m3)											
Acetaldehyde	NE	17 UJ	5.4	1.8 U	3.8 J	39	13	19 J	6.9 U	9.2 U	16
Acetone	58	30 J	22	14	10 J	11	8.2 J	5.8 J	4.3 U	4.0 U	5.8 UJ
Acrolein (propenal)	NE	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	1.2 U
Allyl chloride	NE	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
Benzothiophene	NE	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	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
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
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
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
Butane	NE	1.2	0.48 U	4.2	2.5	0.36 J	0.64	3.0	0.76	0.23 J	0.48 U
Butanone, 2-	17	1.5	0.50 J	2.1	0.88 J	1.2	0.65	0.77	0.65	0.59 U	0.68
Carbon disulfide	NE	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	0.62 U
Carbon tetrachloride	1	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	0.69 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
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
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
Chloromethane	4.6	1.2	1.0	1.1	1.0	1.3	0.95	1.3	1.1	1.2	0.95
Chlorotoluene, 2-	NE	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cryofluorane	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
Cyclohexane	3	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	0.69 U
Decane, n-	3.6	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	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
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
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
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
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
Dichlorodifluoromethane	11	2.6	2.6	2.5	2.0	2.4	2.6	2.5	2.5	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
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
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
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

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 5/24/2007	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	OU2AA-02 9/22/2009
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
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
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
Dioxane, 1,4-	NE	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	0.72 U
Dodecane, n-	7.6	1.4 U	1.4 U	51	1.4 U	0.56 J	1.8	1.4 UJ	1.4 U	1.4 U	1.4 UJ
Ethanol	220	1 J	1.9	17	4.1 J	5.0	2.9	3.8	7.7	2.0 U	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
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
Heptane, n-	5.1	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	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
Hexane, n-	3.6	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	0.70 U
Hexanone, 2-	NE	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
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
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
Isopropyl benzene	0.4	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
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
Methylene chloride	2.9	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	1.7 U
Methylnaphthalene, 1-	NE	14 U	5.8 U	14 UJ	1.2 U	2.9 UJ	1.2 U	R	5.8 U	1.2 U	1.2 UJ
Methylnaphthalene, 2-	NE	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
Methylthiophene, 2-	NE	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
Methylthiophene, 3-	NE	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
Naphthalene	10	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
Nonane	1.2	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	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
Pentane	NE	0.62	0.21 J	6.2	0.94 J	0.44 J	0.47 J	1.6	0.35 J	0.59 U	0.59 U
Propanol, 2-	NE	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	0.69 J
Propylbenzene, n-	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.6	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
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
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
Tetrachloroethene	1.6	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
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	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	1.1 U
Thiophene	NE	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
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
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	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	0.77 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	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	OU2AA-02 9/22/2009
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
Trichloroethane, 1,1,1-	0.7	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
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
Trichloroethene	0.5	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	1.1 U
Trichlorofluoromethane	6.1	1.4	1.5	1.2	1.0 J	1.2	1.4	1.6	1.2	1.5	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	0.98 U	0.98 U
Trimethylbenzene, 1,2,4-	2.5	0.98 U	0.98 U	0.59 J	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
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
Trimethylpentane, 2,2,4-	2	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	0.93 U
Undecane, n-	2.3	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	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
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

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 12/30/2009	OU2AA-02 3/25/2010	OU2AA-02 6/8/2010	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
BTEX (ug/m3)											
Benzene	5.8	0.64	0.38 J	0.30 J	2.2 U	2.4 U	2.3 U	2.4 U	2.5 U	0.64 U	0.28 J
Toluene	21	0.83	0.30 J	1.2	2.6 U	2.8 U	3.2	4.1	7.2	1.2 U	0.44 J
Ethylbenzene	1.9	0.87 U	0.87 U	0.87 U	3 U	3.2 U	3.1 U	3.3 U	3.4 U	0.87 U	0.87 U
Xylene, m,p-	3.1	1.7 U	1.7 U	0.48 J	3 U	3.2 U	3.1 U	3.3 U	3.4 U	1.7 U	0.3 J
Xylene, o-	2.5	0.87 U	0.87 U	0.87 U	3 U	3.2 U	3.1 U	3.3 U	3.4 U	0.87 U	0.87 U
Other VOCs (ug/m3)											
Acetaldehyde	NE	2.5 J	14	12	NA	NA	NA	NA	NA	0.41 UJ	16 J
Acetone	58	3.3 J	3.7	5.6 J	19.2	7.4	10.5	13.8	18.1	6.2 U	25
Acrolein (propenal)	NE	1.2 U	1.2 U	1.2 U	NA	NA	NA	NA	NA	0.46 U	0.46 U
Allyl chloride	NE	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
Benzothiophene	NE	1.1 U	1.1 U	2.7 U	NA	NA	NA	NA	NA	5.5 UJ	2.7 UJ
Bromodichloromethane	NE	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
Bromoform	NE	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
Bromomethane	0.9	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
Butadiene, 1,3-	NE	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
Butane	NE	1.2	0.76	0.32 J	NA	NA	NA	NA	NA	2.0 U	0.48 U
Butanone, 2-	17	0.27 J	1.1	0.78	2.8	2.2 U	3.5 J	4.4	3.8	1.5 U	0.59 U
Carbon disulfide	NE	0.62 U	0.62 U	0.22 J	2.2 U	2.6	6.2	2.4 U	2.8	0.62 U	0.62 U
Carbon tetrachloride	1	0.44 J	0.44 J	0.52 J	4.4 U	4.7 U	4.5 U	4.8 U	4.9 U	0.50 J	0.75 J
Chlorobenzene	<0.25	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
Chloroethane	0.4	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
Chloroform	0.5	0.98 U	0.98 U	7.0	3.4 U	3.6 U	3.5 U	3.7 U	3.8 U	0.98 U	0.98 U
Chloromethane	4.6	1.0	1.0	0.95	5.8 U	6.2 U	6 U	6.2 U	6.4 U	0.95 U	1
Chlorotoluene, 2-	NE	1.0 U	1.0 U	1.0 U	NA	NA	NA	NA	NA	1.0 U	1 U
Cryofluorane	1.3	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
Cyclohexane	3	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
Decane, n-	3.6	1.2 U	1.2 U	1.2 U	NA	NA	NA	NA	NA	1.2 U	1.2 U
Dibromochloromethane	NE	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
Dibromoethane, 1,2-	<0.25	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
Dichlorobenzene, 1,2-	0.9	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
Dichlorobenzene, 1,3-	0.7	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
Dichlorobenzene, 1,4-	0.8	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
Dichlorodifluoromethane	11	2.2	2.2	2.1	3.5 U	3.7 U	3.6 U	3.8 U	3.9 U	2.3 U	3.1
Dichloroethane, 1,1-	<0.25	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
Dichloroethane, 1,2-	<0.25	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
Dichloroethene, 1,1-	<0.25	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
Dichloroethene, cis-1,2-	<0.25	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

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 12/30/2009	OU2AA-02 3/25/2010	OU2AA-02 6/8/2010	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
Dichloropropane, 1,2-	<0.25	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
Dichloropropene, cis-1,3	<0.25	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
Dichloropropene, trans-1,3	<0.25	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
Dioxane, 1,4-	NE	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
Dodecane, n-	7.6	0.56 J	1.4 U	0.40 J	NA	NA	NA	NA	NA	1.4 U	1.4 U
Ethanol	220	3.2	1.2 J	3.2	5.3 U	5.7 U	5.5 U	5.7 U	30.1	3.5 U	3.4 J
Ethylthiophene, 2-	NE	0.92 U	0.92 U	0.92 U	NA	NA	NA	NA	NA	0.92 U	0.92 U
Ethyltoluene, p-	NE	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
Heptane, n-	5.1	0.25 J	0.82 U	0.20 J	2.9 U	3 U	3 U	3.1 U	3.2 U	0.82 U	0.82 U
Hexachlorobutadiene	7	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
Hexane, n-	3.6	0.60 J	0.21 J	0.21 J	2.5 U	2.6 U	2.5 U	2.7 U	2.7 U	0.70 U	0.18 J
Hexanone, 2-	NE	0.70 J	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
Indan	NE	0.97 U	0.97 U	0.97 U	NA	NA	NA	NA	15 U	0.97 U	0.97 U
Indene	NE	0.95 U	0.95 U	0.95 U	NA	NA	NA	NA	14.7 U	0.95 U	0.95 U
Isopropyl benzene	0.4	NA	NA		3.4 U	3.6 U	3.5 U	3.7 U	3.8 U	NA	NA
Methyl tert-butyl ether	5.9	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
Methyl-2-pentanone, 4-	2.9	0.25 J	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
Methylene chloride	2.9	0.94 J	0.66 J	1.1 J	2.4 U	2.6 U	2.5 U	2.6 U	3	5.6 U	1.5
Methylnaphthalene, 1-	NE	1.2 U	2.9 UJ	2.9 U	NA	NA	NA	NA	NA	14 U	29 U
Methylnaphthalene, 2-	NE	1.2 U	2.9 UJ	2.9 U	NA	NA	NA	NA	NA	14 U	5.8 U
Methylthiophene, 2-	NE	0.80 U	0.80 U	0.80 U	NA	NA	NA	NA	NA	0.80 U	0.8 U
Methylthiophene, 3-	NE	0.80 U	0.80 U	0.80 U	NA	NA	NA	NA	NA	0.80 U	0.8 U
Naphthalene	10	0.26 J	1.0 U	0.28 J	14.7 U	15.7 U	15.2 U	15.7 UJ	16.3 U	2.6 U	5.2 UJ
Nonane	1.2	1.0 U	1.0 U	1.0 U	NA	NA	NA	NA	NA	1.0 U	1 U
Octane, n-	2.1	0.93 U	0.93 U	0.93 U	NA	NA	NA	NA	NA	0.93 U	0.93 U
Pentane	NE	0.86	0.56 J	0.32 J	NA	NA	NA	NA	NA	0.59 U	0.59 U
Propanol, 2-	NE	0.52 J	1.2 U	1.2 U	6.9 U	7.4 U	7.1 U	7.4 U	7.6 U	0.49 U	0.49 U
Propylbenzene, n-	0.5	NA	NA	NA	3.4 U	3.6 U	3.5 U	3.7 U	3.8 U	NA	NA
Styrene	0.6	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
t-Butyl alcohol	NE	0.61 U	0.61 U	0.61 U	NA	NA	NA	NA	NA	0.61 U	0.61 U
Tetrachloroethane, 1,1,2,2-	<0.25	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
Tetrachloroethene	1.6	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
Tetrahydrofuran	0.4	NA	NA	NA	2.1 U	2.2 U	2.1 J	2.2 U	2.3 U	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	1.1 U	1.1 U	1.1 U	NA	NA	NA	NA	NA	1.1 U	1.1 U
Thiophene	NE	0.69 U	0.69 U	0.69 U	NA	NA	NA	NA	NA	0.69 U	0.69 U
Trans-1,2-dichloroethene	NE	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
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	0.46 J	0.46 J	0.57 J	5.4 U	5.7 U	5.5 U	5.8 U	6 U	1.5 U	1.5 U

Table 5-2
Analytical Ambient Air Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

	NYSDOH Background Outdoor Air 95th Percentile ¹	OU2AA-02 12/30/2009	OU2AA-02 3/25/2010	OU2AA-02 6/8/2010	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
Trichlorobenzene, 1,2,4-	4.8	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
Trichloroethane, 1,1,1-	0.7	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
Trichloroethane, 1,1,2-	<0.25	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
Trichloroethene	0.5	1.1 U	1.1 U	1.1 U	3.8 U	4 U	3.9 U	4.1 U	4.2 U	1.1 U	1.1 U
Trichlorofluoromethane	6.1	1.1 J	1.1	1.1 J	3.9 U	4.2 U	4 U	4.3 U	4.4 U	1.4 U	1.5 J
Trimethylbenzene, 1,2,3-	0.6	0.98 U	0.98 U	0.98 U	NA	NA	NA	NA	NA	0.98 U	0.98 U
Trimethylbenzene, 1,2,4-	2.5	0.98 U	0.98 U	0.98 U	3.4 U	3.6 U	3.6	3.7 U	3.8 U	0.98 U	0.98 U
Trimethylbenzene, 1,3,5-	1	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
Trimethylpentane, 2,2,4-	2	0.93 U	0.93 U	0.47 J	3.3 U	3.5 U	3.4 U	3.6 U	3.6 U	0.93 U	0.93 U
Undecane, n-	2.3	1.3 U	1.3 U	1.3 U	NA	NA	NA	NA	NA	1.3 U	6.4 UJ
Vinyl bromide	NE	0.87 U	0.87 U	0.87 U	NA	NA	NA	NA	NA	0.87 U	0.87 U
Vinyl chloride	<0.25	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

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 9/12/2007	OU2AA03 12/19/2007	OU2AA03 3/27/2008	OU2AA03 6/18/2008	OU2AA03 9/16/2008	OU2AA03 12/23/2008	OU2AA03 3/12/2009	OU2AA03 6/8/2009	OU2AA-03 9/21/2009	OU2AA-03 12/29/2009
BTEX (ug/m3)											
Benzene	5.8	0.80 U	3.0	2.1	0.64 UJ	0.26 J	1.1	0.44 J	0.72	0.86 U	0.26 J
Toluene	21	2.2	8.9	6.7	0.75 U	1.4 J	2.1	0.43 J	1.3	2.4	0.23 J
Ethylbenzene	1.9	0.35 J	1.8	0.82 J	0.87 U	0.87 U	0.32 J	0.87 U	0.87 U	0.43 J	0.87 U
Xylene, m,p-	3.1	0.87 J	5.7	2.1	1.7 U	0.56 J	0.92 J	1.7 U	1.7 U	1.0 J	1.7 U
Xylene, o-	2.5	0.35 J	2.0	0.89	0.87 U	0.22 J	0.25 J	0.87 U	0.87 U	0.39 J	0.87 U
Other VOCs (ug/m3)											
Acetaldehyde	NE	6.5	1.8 U	12 J	0.86 J	39 J	13 J	4.9 U	27	9.4 J	1.6 J
Acetone	58	12	13	14 J	1.2 U	7.6 J	5.6 U	4.9 U	10 U	9.0 UJ	2.3
Acrolein (propenal)	NE	0.46 U	0.46 U	0.49 J	0.46 U	0.46 U	0.43 J	0.46 U	0.70 J	1.2 U	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
Benzothiophene	NE	14 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 UJ	1.1 U	1.1 U	1.1 U	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
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
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
Butadiene, 1,3-	NE	0.44 U	0.44 U	0.15 J	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Butane	NE	0.59	8.4	4.8	0.48 U	0.40 J	2.4	0.83	0.89	2.2	0.74
Butanone, 2-	17	0.71	1.0	1.7	0.59 U	1.0 J	0.58 J	0.55 J	1.8	1.1	0.59 U
Carbon disulfide	NE	0.62 U	0.62 U	0.62 U	0.62 U	0.16 J	0.39 J	0.62 U	0.24 J	0.19 J	0.62 U
Carbon tetrachloride	1	0.57 J	0.50 J	0.61 J	1.3 U	0.50 J	0.67 J	0.43 J	0.50 J	0.69 J	0.44 J
Chlorobenzene	<0.25	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
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
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
Chloromethane	4.6	1.0	1.1	1.0	0.41 U	1.1 J	1.4	1.1	1.4	0.99	1.1
Chlorotoluene, 2-	NE	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Cryofluorane	1.3	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Cyclohexane	3	0.69 U	0.86	0.89	0.69 U	0.69 U	0.3 J	0.69 U	0.69 U	0.24 J	0.69 U
Decane, n-	3.6	1.2 U	0.70 J	0.49 J	1.2 U	1.0 J	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dibromochloromethane	NE	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
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
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
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
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
Dichlorodifluoromethane	11	2.4	2.6	2.6	0.99 U	3.2 J	2.7	2.0	2.6	2.6	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
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
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
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

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 9/12/2007	OU2AA03 12/19/2007	OU2AA03 3/27/2008	OU2AA03 6/18/2008	OU2AA03 9/16/2008	OU2AA03 12/23/2008	OU2AA03 3/12/2009	OU2AA03 6/8/2009	OU2AA-03 9/21/2009	OU2AA-03 12/29/2009
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
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
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
Dioxane, 1,4-	NE	0.72 UJ	1.8 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 UJ	0.72 U	0.72 U
Dodecane, n-	7.6	1.4 U	1.4 U	0.66 J	1.4 U	3.4 J	0.59 J	1.4 UJ	1.4 U	1.4 U	1.4 UJ
Ethanol	220	5.2	19	21	1.9 U	5.4 J	7.2	3.0	8.2	5.0	0.55 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
Ethyltoluene, p-	NE	0.98 U	0.59 J	0.26 J	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Heptane, n-	5.1	0.45 J	1.9	1.0	0.82 U	0.82 U	0.82 U	0.82 UJ	0.82 U	0.53 J	0.82 U
Hexachlorobutadiene	7	2.1 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
Hexane, n-	3.6	0.74	3.2	1.8	0.70 U	0.28 J	0.67 J	0.70 U	0.31 J	1.1	0.70 U
Hexanone, 2-	NE	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	0.34 J	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 UJ	0.97 U	0.97 U
Indene	NE	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 UJ	0.95 U	0.95 U
Isopropyl benzene	0.4	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
Methyl-2-pentanone, 4-	2.9	0.82 U	0.82 U	0.28 J	0.82 U	0.82 U	0.82 U	0.82 UJ	0.82 U	0.82 U	0.82 U
Methylene chloride	2.9	1.0 U	0.69 U	1.8	1.7 U	0.83 U	1.7 U	1.7 U	0.60 J	0.90 J	0.52 J
Methylnaphthalene, 1-	NE	5.8 U	14 UJ	1.2 U	2.9 U	1.2 U	R	1.2 U	1.2 U	1.2 U	1.2 U
Methylnaphthalene, 2-	NE	14 U	14 U	1.2 U	2.9 UJ	1.2 U	14 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	0.8 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	0.8 U	0.80 U	0.80 U	0.80 U	0.80 U
Naphthalene	10	1.0 U	0.37 J	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	0.26 J	1.0 U
Nonane	1.2	1.0 U	0.68 J	0.39 J	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Octane, n-	2.1	0.93 U	0.65 J	0.35 J	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U
Pentane	NE	0.74	6.5	2.8	0.59 U	0.50 J	1.4	0.36 J	0.81	2.0	0.29 J
Propanol, 2-	NE	3.8	1.1 J	3.0	1.2 UJ	0.49 U	1.1	1.2 U	1.2 U	1.4 U	1.2 U
Propylbenzene, n-	0.5	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
t-Butyl alcohol	NE	0.61 U	0.61 U	0.31 J	0.61 U	0.61 U	0.61 U	1.5 U	0.61 U	0.61 U	0.61 U
Tetrachloroethane, 1,1,2,2-	<0.25	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Tetrachloroethene	1.6	1.4 U	0.41 J	1.4	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.41 J	1.4 U
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	14 U	0.44 J	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 UJ	1.1 U
Thiophene	NE	0.69 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
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	0.61 J	0.54 J	1.5 U	1.5 U	1.2 J	0.64 J	0.48 J	0.72 J	0.69 J	0.46 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 9/12/2007	OU2AA03 12/19/2007	OU2AA03 3/27/2008	OU2AA03 6/18/2008	OU2AA03 9/16/2008	OU2AA03 12/23/2008	OU2AA03 3/12/2009	OU2AA03 6/8/2009	OU2AA-03 9/21/2009	OU2AA-03 12/29/2009
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
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
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
Trichloroethene	0.5	1.1 U	1.1 U	1.3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichlorofluoromethane	6.1	1.4	1.3	1.2	1.1 U	1.8 J	1.6	1.1 J	1.6	1.6	1.1
Trimethylbenzene, 1,2,3-	0.6	0.29 J	0.64 J	0.98 U	0.98 U	0.98 U	0.33 J	0.98 U	0.98 U	0.98 UJ	0.98 U
Trimethylbenzene, 1,2,4-	2.5	0.98 U	2.1	0.66 J	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.29 J	0.98 U
Trimethylbenzene, 1,3,5-	1	0.98 U	0.59 J	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Trimethylpentane, 2,2,4-	2	0.56 J	2.0	0.81 J	0.93 U	0.37 J	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U
Undecane, n-	2.3	1.3 U	0.38 J	0.62 J	1.3 U	5.8 J	0.54 J	1.3 U	1.3 U	1.3 U	1.3 U
Vinyl bromide	NE	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
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

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-03 3/25/2010	OU2AA-03 6/7/2010	OU2AA04 2/21/2007	OU2AA04 9/18/2007	OU2AA04 12/19/2007	OU2AA04 3/27/2008	OU2AA04 6/19/2008	OU2AA04 9/23/2008	OU2AA04 12/30/2008	OU2AA04 3/25/2009
BTEX (ug/m3)											
Benzene	5.8	0.32 J	0.23 J	0.70 U	0.64 U	1.5	2.0	0.77 J	0.35 J	0.46 J	0.61 J
Toluene	21	0.41 J	1.1	1.1 U	0.68 J	2.6	4.7	1.9	1.3	0.45 J	1.1
Ethylbenzene	1.9	0.87 U	0.87 U	0.87 U	0.87 U	0.39 J	0.65 J	0.30 J	0.87 U	0.87 U	0.87 U
Xylene, m,p-	3.1	1.7 U	0.48 J	1.7 U	0.22 J	1.0 J	2.0	0.65 J	0.61 J	0.23 J	1.7 U
Xylene, o-	2.5	0.87 U	0.87 U	0.87 U	0.87 U	0.39 J	0.65 J	0.22 J	0.87 U	0.87 U	0.87 U
Other VOCs (ug/m3)											
Acetaldehyde	NE	9.4	9.5 J	0.58 UJ	15	1.8 U	13 J	43	24	6.8 J	5.6 U
Acetone	58	4.5	3.3 J	6.4 U	9.4	8.0	10 J	11	8.6	4.1 U	4.5 U
Acrolein (propenal)	NE	1.2 U	1.2 U	0.46 U	0.46 U	0.46 U	0.30 J	0.37 J	0.18 J	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
Benzothiophene	NE	1.1 U	2.7 U	5.5 UJ	14 U	1.1 U	1.1 U	1.1 UJ	1.1 U	1.1 UJ	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
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
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
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
Butane	NE	0.76	0.19 J	2.8 U	0.57	3.1	4.1	1.0	0.71	1.4	1.2
Butanone, 2-	17	0.59	0.53 J	1.5 U	2.2	0.71	1.3 J	1.8	0.94	0.59 U	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	0.19 J	0.62 U	0.62 U
Carbon tetrachloride	1	0.44 J	0.65 J	0.44 J	0.63 J	0.50 J	0.55 J	0.50 J	0.50 J	0.56 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
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
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
Chloromethane	4.6	1.0	0.85	1.0 U	1.0	0.99	1.1	1.0	0.99	1.3	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
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
Cyclohexane	3	0.69 U	0.69 U	0.69 U	0.69 U	0.31 J	0.40 J	0.69 U	0.69 U	0.69 U	0.69 U
Decane, n-	3.6	1.2 U	0.48 J	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.58 J	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
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
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
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
Dichlorobenzene, 1,4-	0.8	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
Dichlorodifluoromethane	11	2.1	2.4	2.5 U	2.6	2.2	2.0	2.4	2.9	2.7	2.7
Dichloroethane, 1,1-	<0.25	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
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
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
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

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-03 3/25/2010	OU2AA-03 6/7/2010	OU2AA04 2/21/2007	OU2AA04 9/18/2007	OU2AA04 12/19/2007	OU2AA04 3/27/2008	OU2AA04 6/19/2008	OU2AA04 9/23/2008	OU2AA04 12/30/2008	OU2AA04 3/25/2009
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
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
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
Dioxane, 1,4-	NE	0.72 U	0.72 U	1.8 U	0.72 UJ	1.8 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Dodecane, n-	7.6	1.1 J	2.1 J	1.4 U	1.4 U	1.4 U	1.4 U	0.35 J	0.56 J	0.83 J	1.4 U
Ethanol	220	1.4 J	1.4 J	3.9 U	9.2	5.5 U	12	8.0	5.1	2.3	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
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
Heptane, n-	5.1	0.82 U	0.82 U	0.82 U	0.82 U	0.57 J	1.2	0.25 J	0.33 J	0.82 U	0.82 U
Hexachlorobutadiene	7	1.2 J	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	0.70 U	0.70 U	0.70 U	1.2	1.2	1.5	0.56 J	0.39 J	0.70 U	0.35 J
Hexanone, 2-	NE	0.82 U	0.82 U	2.0 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
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
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
Isopropyl benzene	0.4	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 UJ	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
Methylene chloride	2.9	0.56 J	1.2 J	6.1 U	2.5 U	0.69 U	0.85 J	1.1 U	0.76 U	1.7 U	1.7 U
Methylnaphthalene, 1-	NE	2.9 UJ	2.9 U	14 U	5.8 U	14 UJ	1.2 U	2.9 UJ	1.2 U	R	5.8 U
Methylnaphthalene, 2-	NE	2.9 UJ	2.9 U	14 U	14 U	14 U	1.2 U	2.9 UJ	1.2 U	14 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
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
Naphthalene	10	0.37 J	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
Nonane	1.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.29 J	1.0 U	0.52 J	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	0.31 J	0.93 U	0.93 U	0.93 U	0.93 U
Pentane	NE	0.41 J	0.59 U	0.77 U	0.59 U	2.3	2.3	0.88	0.71	0.65	0.74
Propanol, 2-	NE	1.2 U	1.2 U	0.49 U	0.56	0.49 U	1.9	0.84 J	0.49 U	0.52 UJ	0.61 U
Propylbenzene, n-	0.5	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
t-Butyl alcohol	NE	0.61 U	0.61 U	0.61 U	0.18 J	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
Tetrachloroethene	1.6	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.51 J	1.4 U	0.81 J	1.4 U	1.4 U
Tetrahydrofuran	0.4	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	14 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	5.5 U
Thiophene	NE	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
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
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	0.46 J	0.54 J	1.5 U	0.69 J	0.69 J	0.47 J	0.46 J	0.69 J	0.73 J	0.61 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-03 3/25/2010	OU2AA-03 6/7/2010	OU2AA04 2/21/2007	OU2AA04 9/18/2007	OU2AA04 12/19/2007	OU2AA04 3/27/2008	OU2AA04 6/19/2008	OU2AA04 9/23/2008	OU2AA04 12/30/2008	OU2AA04 3/25/2009
Trichlorobenzene, 1,2,4-	4.8	0.59 J	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
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
Trichloroethene	0.5	1.1 U	1.1 U	1.1 U	0.27 J	1.1 U	0.87 J	1.1 U	1.1 U	1.1 U	1.1 U
Trichlorofluoromethane	6.1	1.1	1.3	1.5 U	1.4	1.2	1.2	1.3	1.5	1.3	1.4
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 U
Trimethylbenzene, 1,2,4-	2.5	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.60 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	0.98 U	0.98 U
Trimethylpentane, 2,2,4-	2	0.93 U	0.93 U	0.93 U	0.93 U	0.37 J	0.94	0.47 J	0.37 J	0.93 U	0.93 U
Undecane, n-	2.3	0.51 J	0.34 J	1.3 U	1.3 U	1.3 U	0.33 J	1.3 U	0.45 J	0.54 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
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

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 6/16/2009	OU2AA-04 9/23/2009	OU2AA-04 12/28/2009	OU2AA-04 3/18/2010	OU2AA-04 6/7/2010	OU2AA05 12/30/2008	OU2AA05 3/13/2009	OU2AA05 6/25/2009	OU2AA-05 9/25/2009	OU2AA-05 12/30/2009
BTEX (ug/m3)											
Benzene	5.8	0.64 U	1.2 U	1.2	0.89	0.18 J	0.49 J	0.52 J	0.70	0.64 U	0.45 J
Toluene	21	0.61 J	3.5	1.5	3.7	0.58 J	0.42 J	0.25 J	2.0	0.56 J	0.64 J
Ethylbenzene	1.9	0.87 U	0.56 J	0.22 J	0.43 J	0.87 U	0.87 U	0.87 U	0.39 J	0.87 U	0.87 U
Xylene, m,p-	3.1	1.7 U	1.5 J	0.65 J	1.2 J	1.7 U	1.7 U	1.7 U	0.95 J	1.7 U	1.7 U
Xylene, o-	2.5	0.87 U	0.65 J	0.26 J	0.48 J	0.87 U	0.87 U	0.87 U	0.39 J	0.87 U	0.87 U
Other VOCs (ug/m3)											
Acetaldehyde	NE	7.7	9.7	5.6 J	9.6 J	10 J	6.1 J	7.2	8.4	3.8 J	3.1 J
Acetone	58	4.2 U	7.2 UJ	4.8 J	6.8 J	3.6 J	4.0 U	4.5 U	6.4 U	5.7 UJ	2.4 J
Acrolein (propenal)	NE	1.2 UJ	1.2 U	0.34 J	1.2 U	1.2 U	0.46 U	0.46 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
Benzothiophene	NE	1.1 U	1.1 U	1.1 U	1.1 U	2.7 U	1.1 UJ	1.1 U	1.1 U	1.1 U	1.1 U
Bromodichloromethane	NE	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
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
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
Butadiene, 1,3-	NE	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
Butane	NE	0.31 J	1.3	3.2	8.7	0.16 J	1.6	0.63	0.64	0.38 J	1.1
Butanone, 2-	17	0.37 J	0.77	0.77	1.7	0.50 J	0.38 J	0.59 U	0.88	0.56 J	0.59 U
Carbon disulfide	NE	0.62 U	0.62 U	0.47 J	0.62 U	0.62 U	0.62 U	0.62 U	0.19 J	0.62 U	0.62 U
Carbon tetrachloride	1	0.49 J	0.63 J	0.82 J	0.50 J	0.51 J	0.56 J	0.62 J	0.44 J	0.63 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
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
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
Chloromethane	4.6	1.2	1.2	1.4	1.1	0.88	1.2	0.99	1.1	0.93 U	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
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
Cyclohexane	3	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
Decane, n-	3.6	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
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
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
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
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
Dichlorobenzene, 1,4-	0.8	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
Dichlorodifluoromethane	11	2.5	2.5	2.7	2.2	2.3	2.6	2.1	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 UJ	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 UJ	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
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

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 6/16/2009	OU2AA-04 9/23/2009	OU2AA-04 12/28/2009	OU2AA-04 3/18/2010	OU2AA-04 6/7/2010	OU2AA05 12/30/2008	OU2AA05 3/13/2009	OU2AA05 6/25/2009	OU2AA-05 9/25/2009	OU2AA-05 12/30/2009
Dichloropropane, 1,2-	<0.25	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
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
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
Dioxane, 1,4-	NE	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
Dodecane, n-	7.6	1.4 U	1.4 UJ	1.4 U	1.9	0.65 J	1.4 UJ	1.4 UJ	0.42 J	1.4 UJ	1.4 UJ
Ethanol	220	2.5 U	3.2 U	4.8	12	1.7 J	2.3	8.6	4.9	4.5	1.9
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
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
Heptane, n-	5.1	0.82 U	0.82 U	0.49 J	0.61 J	0.82 U	0.82 U	0.82 UJ	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
Hexane, n-	3.6	0.70 U	1.0	1.2 J	0.95	0.19 J	0.70 U	0.70 U	0.46 J	0.70 U	0.70 U
Hexanone, 2-	NE	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
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
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
Isopropyl benzene	0.4	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
Methyl-2-pentanone, 4-	2.9	0.82 U	0.82 U	0.82 UJ	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	1.7 U	1.7 U	1.5 J	1.0 J	1.1 J	1.7 U	1.7 U	0.49 J	1.7 U	0.56 J
Methylnaphthalene, 1-	NE	1.2 U	1.2 UJ	1.2 U	1.2 U	2.9 U	R	1.2 U	1.2 U	1.2 UJ	1.2 U
Methylnaphthalene, 2-	NE	1.2 U	1.2 U	1.2 U	1.2 U	2.9 U	14 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	2.0 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
Naphthalene	10	1.0 U	1.0 U	1.0 U	0.37 J	1.0 U	1.0 U	1.0 U	0.26 J	1.0 U	1.0 U
Nonane	1.2	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
Octane, n-	2.1	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
Pentane	NE	0.29 J	1.6	1.7	45	0.59 U	0.65	0.27 J	0.77	0.59 U	0.53 J
Propanol, 2-	NE	1.2 U	0.96 J	0.66 J	2.8	1.2 U	0.48 U	1.2 U	1.2 U	1.0 J	0.34 J
Propylbenzene, n-	0.5	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
t-Butyl alcohol	NE	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	1.5 U	1.5 U	0.61 U	0.61 U
Tetrachloroethane, 1,1,2,2-	<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
Tetrachloroethene	1.6	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
Tetrahydrofuran	0.4	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
Thiophene	NE	0.69 U	0.69 U	0.69 UJ	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
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
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	0.59 J	0.69 J	0.69 J	0.54 J	0.57 J	0.74 J	1.5 U	0.61 J	0.69 J	0.54 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	OU2AA04 6/16/2009	OU2AA-04 9/23/2009	OU2AA-04 12/28/2009	OU2AA-04 3/18/2010	OU2AA-04 6/7/2010	OU2AA05 12/30/2008	OU2AA05 3/13/2009	OU2AA05 6/25/2009	OU2AA-05 9/25/2009	OU2AA-05 12/30/2009
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
Trichloroethane, 1,1,1-	0.7	1.1 U	1.1 U	1.1 U	1.1 UJ	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethane, 1,1,2-	<0.25	1.1 U	1.1 U	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
Trichlorofluoromethane	6.1	1.6	1.6 J	1.5	1.3	1.2	1.4	1.1 J	1.4	1.6 J	1.1
Trimethylbenzene, 1,2,3-	0.6	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
Trimethylbenzene, 1,2,4-	2.5	0.98 U	0.54 J	0.98 U	0.44 J	0.98 U	0.98 U	0.98 U	0.39 J	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
Trimethylpentane, 2,2,4-	2	0.93 U	0.89 J	0.93 U	0.51 J	0.93 U	0.93 U	0.93 U	0.51 J	0.93 U	0.93 U
Undecane, n-	2.3	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
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
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

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 3/20/2010	OU2AA-05 6/25/2010	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
BTEX (ug/m3)											
Benzene	5.8	0.86	0.69	0.45 J	0.70 U	1.1	0.48 J	1.3	0.61 J	0.48 J	0.61 J
Toluene	21	2.6	6.5	0.87	2.3	8.0	1.4	3.7	1.3	0.83	1.4
Ethylbenzene	1.9	0.52 J	1.3	0.87 U	0.26 J	0.78 J	0.87 U	0.61 J	0.87 U	0.87 U	0.87 U
Xylene, m,p-	3.1	1.5 J	3.2	0.48 J	0.91 J	2.6	0.61 J	1.6 J	0.56 J	1.7 U	1.7 U
Xylene, o-	2.5	0.69 J	1.1	0.87 U	0.30 J	1.0	0.22 J	0.65 J	0.22 J	0.87 U	0.87 U
Other VOCs (ug/m3)											
Acetaldehyde	NE	9.0 J	18	5.0	5.7 U	7.4 J	4.5 UJ	9.1 J	4.5 U	5.3	2.7 U
Acetone	58	6.2 J	7.5 J	4.2 U	3.5 U	3.5 J	4.4 J	8.7 J	3.6 J	3.2 U	4.8 UJ
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
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
Benzothiophene	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
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
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
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
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
Butane	NE	5.0	0.42 J	0.90	1.1	7.0	3.0	4.2	1.8	1.1	1.8
Butanone, 2-	17	1.3	1.9	0.50 J	2.3	1.4	0.47 J	1.8	0.53 J	0.47 J	0.59 U
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
Carbon tetrachloride	1	0.50 J	0.48 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
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
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
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
Chloromethane	4.6	1.0	1.0	0.91	1.1	0.99	0.85	1.1	1.0	0.93	1.1
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
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
Cyclohexane	3	0.28 J	0.29 J	0.69 U	0.69 U	0.79	0.69 U	0.38 J	0.69 U	0.69 U	0.69 U
Decane, n-	3.6	0.35 J	29	1.2 U	1.2 U	0.87 J	1.2 U	0.47 J	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
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
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
Dichlorobenzene, 1,3-	0.7	1.2 U	0.58 J	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
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
Dichlorodifluoromethane	11	2.1	2.3	2.3	2.5	2.4	2.3	2.4	2.5	2.4	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 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
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
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

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 3/20/2010	OU2AA-05 6/25/2010	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
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
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
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
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
Dodecane, n-	7.6	1.4 U	19	1.4 U	0.42 J	1.2 J	1.4 U	0.49 J	1.4 U	1.4 U	1.4 U
Ethanol	220	8.8	7.9	3.9	18	5.9	2.6	6.0	3.6	2.1	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
Ethyltoluene, p-	NE	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
Heptane, n-	5.1	0.61 J	0.82 U	0.82 U	0.29 J	0.78 J	0.25 J	0.98	0.33 J	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 UJ	2.1 U	2.1 U
Hexane, n-	3.6	1.1	0.80	0.28 J	0.49 J	2.4	0.46 J	1.2	0.53 J	0.28 J	0.35 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
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
Indene	NE	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 UJ
Isopropyl benzene	0.4	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
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
Methylene chloride	2.9	0.59 J	15	1.7 U	0.56 J	0.56 J	0.49 J	0.76 J	0.80 J	1.7 U	0.66 J
Methylnaphthalene, 1-	NE	2.9 UJ	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	2.9 UJ	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
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
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
Naphthalene	10	0.31 J	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
Nonane	1.2	0.37 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
Octane, n-	2.1	0.28 J	0.36 J	0.93 U	0.93 U	0.37 J	0.93 U	0.28 J	0.93 U	0.93 U	0.93 U
Pentane	NE	3.1	27	0.56 J	1.3	9.7	0.74	7.9	1.1	0.56 J	0.86
Propanol, 2-	NE	0.59 J	3.4	1.2 U	1.0 J	1.7	1.2 U	2.4	0.47 J	1.2 U	1.2 U
Propylbenzene, n-	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.6	0.85 U	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
t-Butyl alcohol	NE	0.61 U	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
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
Tetrachloroethene	1.6	0.41 J	1.4 U	1.4 U	1.4 U	1.6	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
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
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
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
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	0.54 J	0.55 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

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 3/20/2010	OU2AA-05 6/25/2010	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
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
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
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
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
Trichlorofluoromethane	6.1	1.2	1.3	1.2	1.4	1.3	1.2	1.3	1.3	1.2	1.1
Trimethylbenzene, 1,2,3-	0.6	0.98 U	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 UJ
Trimethylbenzene, 1,2,4-	2.5	0.64 J	0.71 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
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
Trimethylpentane, 2,2,4-	2	0.89 J	0.93 U	0.93 U	0.33 J	1.4	0.93 U	1.1	0.56 J	0.93 U	0.93 U
Undecane, n-	2.3	0.45 J	64 J	1.3 U	1.3 U	0.32 J	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
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

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-AA6 12/11/2009	OZ-AA6 12/17/2009	OZAA-06 12/22/2009	OZAA-06 1/12/2010	OZAA-06 2/25/2010	OZAA-06 3/24/2010	OZAA-06 4/15/2010	OZAA-06 5/17/2010	OZAA-06 6/22/2010	OZ-AA7 10/23/2009
BTEX (ug/m3)											
Benzene	5.8	0.48 J	0.26 J	0.35 J	0.73	0.80	0.32 J	0.54 J	0.38 J	0.33 J	0.61 J
Toluene	21	0.79	0.41 J	0.60 J	0.94	2.3	0.41 J	1.9	1.3	2.3	0.94
Ethylbenzene	1.9	0.39 J	0.87 U	0.87 U	0.87 U	0.35 J	0.87 U	0.26 J	0.87 U	0.38 J	0.87 U
Xylene, m,p-	3.1	0.95 J	1.7 U	1.7 U	1.7 U	0.82 J	1.7 U	0.82 J	0.48 J	0.99 J	0.56 J
Xylene, o-	2.5	1.6	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/m3)											
Acetaldehyde	NE	3.3	5.3 U	2.4	3.7 J	5.6 J	7.5	7.2 J	7.2	13	5.3
Acetone	58	3.9 UJ	3.1 UJ	3.1 UJ	2.5 U	3.9 J	6.2 J	6.7 J	6.1 J	8.2 J	4.4 U
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
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
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	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
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
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
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
Butane	NE	2.0	0.78	0.74	1.5	2.6	0.62	2.4	0.81	0.50	0.93
Butanone, 2-	17	0.59 U	0.59 U	0.27 J	0.50 J	0.77	0.68	1.1	0.91	0.62	0.38 J
Carbon disulfide	NE	0.62 U	0.62 U	0.62 U	0.60 U	0.62 U	0.19 J	0.37 J	0.62 U	0.62 U	0.62 U
Carbon tetrachloride	1	0.38 J	1.3 U	0.44 J	0.44 J	0.44 J	0.50 J	0.57 J	0.44 J	0.47 J	0.63 J
Chlorobenzene	<0.25	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
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
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
Chloromethane	4.6	1.1	1.1	1.0	0.99	1.0	1.2	0.95	1.0	1.0	0.93
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
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
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
Decane, n-	3.6	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.35 J	1.2 U	9.9	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
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
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
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
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
Dichlorodifluoromethane	11	2.3	2.4	2.1	2.0	2.0	2.7	2.6	2.3	2.2	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
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
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
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

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-AA6 12/11/2009	OZ-AA6 12/17/2009	OZAA-06 12/22/2009	OZAA-06 1/12/2010	OZAA-06 2/25/2010	OZAA-06 3/24/2010	OZAA-06 4/15/2010	OZAA-06 5/17/2010	OZAA-06 6/22/2010	OZ-AA7 10/23/2009
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
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
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
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
Dodecane, n-	7.6	1.4 U	1.4 U	1.4 UJ	1.4 U	1.4 U	1.4 U	0.63 J	0.35 J	76	1.4 U
Ethanol	220	3.6	1.9 U	2.0	1.8 J	1.7 J	1.5 J	4.0	2.9	3.0	3.5
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
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
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	0.82 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
Hexane, n-	3.6	0.28 J	0.70 U	0.70 U	0.39 J	0.56 J	0.70 U	0.39 J	0.28 J	0.34 J	0.35 J
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
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	0.97 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
Isopropyl benzene	0.4	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
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
Methylene chloride	2.9	1.7 U	1.7 U	1.7 U	0.56 J	0.66 J	2.6	0.59 J	1.7 U	1.1 J	1.7 U
Methylnaphthalene, 1-	NE	1.2 UJ	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	15 J	4.2 J	2.9 U	1.2 UJ
Methylnaphthalene, 2-	NE	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	34 J	11 J	2.9 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
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
Naphthalene	10	1.0 U	1.0 U	0.37 J	1.0 U	1.0 U	1.0 U	1.4 J	0.73 J	0.47 J	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
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	2.2	0.93 U
Pentane	NE	1.1	0.41 J	0.41 J	0.65	1.0	0.50 J	1.4	0.65	0.51 J	0.62
Propanol, 2-	NE	1.2 U	1.2 U	1.2 U	0.37 J	1.2 U	1.2 U	0.47 J	1.2 U	1.2 U	1.2 U
Propylbenzene, n-	0.5	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
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
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
Tetrachloroethene	1.6	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
Tetramethylbenzene, 1,2,4,5-	NE	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	0.55 J	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
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
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	1.5 U	1.5 U	0.46 J	0.46 J	0.61 J	0.69 J	0.61 J	0.46 J	0.51 J	0.46 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-AA6 12/11/2009	OZ-AA6 12/17/2009	OZAA-06 12/22/2009	OZAA-06 1/12/2010	OZAA-06 2/25/2010	OZAA-06 3/24/2010	OZAA-06 4/15/2010	OZAA-06 5/17/2010	OZAA-06 6/22/2010	OZ-AA7 10/23/2009
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
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
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
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
Trichlorofluoromethane	6.1	1.2	1.2	1.1	1.0 J	1.1 J	1.4	1.5	1.2	1.1	1.2
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
Trimethylbenzene, 1,2,4-	2.5	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.39 J	0.25 J	0.30 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
Trimethylpentane, 2,2,4-	2	0.93 U	0.93 U	0.93 U	0.47 J	0.93 U	0.93 U	0.93 U	0.93 U	0.36 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	1.4 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
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

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 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	OZ-AA7 12/11/2009	OZ-AA7 12/17/2009	OZAA-07 12/22/2009
BTEX (ug/m3)											
Benzene	5.8	0.80 U	0.93	0.38 J	1.3	0.51 J	0.54 J	0.51 J	0.51 J	0.38 J	0.38 J
Toluene	21	2.0	4.8	0.83	2.6	0.79	1.2	1.2	0.87	0.49 J	0.56 J
Ethylbenzene	1.9	0.35 J	0.43 J	0.87 U	0.43 J	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Xylene, m,p-	3.1	1.2 J	1.3 J	1.7 U	1.1 J	1.7 U	0.56 J	1.7 U	1.7 U	1.7 U	1.7 U
Xylene, o-	2.5	0.43 J	0.56 J	0.87 U	0.48 J	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Other VOCs (ug/m3)											
Acetaldehyde	NE	4.5 U	5.9 U	4.5 UJ	8.2 J	4.4 J	3.6 J	3.7 U	3.9	5.2 U	7.0
Acetone	58	4.8 U	3.2 J	3.9 J	6.4 J	4.2 J	6.8 J	3.6 UJ	3.4 UJ	3.9 UJ	2.4 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
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
Benzothiophene	NE	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
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
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
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
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
Butane	NE	0.97	4.2	2.6	4.5	1.2	1.3	2.0	2.1	0.95	0.86
Butanone, 2-	17	7.0	1.0	0.59 U	1.4	0.56 J	0.56 J	0.59 U	0.59 U	0.50 J	0.47 J
Carbon disulfide	NE	0.62 U	0.62 U	0.62 U	0.28 J	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	0.44 J	0.50 J	0.50 J	0.57 J	0.44 J	0.31 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
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
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
Chloromethane	4.6	0.95	1.0	0.89	1.1	1.0	1.2	0.99	1.0	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
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
Cyclohexane	3	0.69 U	0.41 J	0.69 U	0.24 J	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Decane, n-	3.6	1.2 U	1.2 U	1.2 U	1.2 U	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
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
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
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
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
Dichlorodifluoromethane	11	2.4	2.5	2.3	2.5	2.4	2.7	2.3	2.2	2.2	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
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
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
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

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 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	OZ-AA7 12/11/2009	OZ-AA7 12/17/2009	OZAA-07 12/22/2009
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
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
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
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
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 U	1.4 U	1.4 UJ
Ethanol	220	5.1	4.8	1.8 J	4.5	2.8	3.1	3.2	3.6	1.9 U	1.9
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
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
Heptane, n-	5.1	0.25 J	0.61 J	0.82 U	0.49 J	0.82 U	0.82 U	0.82 U	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 UJ	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Hexane, n-	3.6	0.39 J	1.7	0.21 J	0.99	0.35 J	0.39 J	0.28 J	0.25 J	0.70 U	0.70 U
Hexanone, 2-	NE	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
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 U	0.97 U	0.97 UJ
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	0.95 UJ	0.95 UJ
Isopropyl benzene	0.4	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
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
Methylene chloride	2.9	0.52 J	0.59 J	0.52 J	0.62 J	0.52 J	1.7 U	0.90 J	1.7 U	1.7 U	1.7 U
Methylnaphthalene, 1-	NE	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
Methylnaphthalene, 2-	NE	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
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
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
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
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
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
Pentane	NE	0.86	4.8	0.56 J	2.5	0.65	1.3	1.0	1.0	0.50 J	0.47 J
Propanol, 2-	NE	0.42 J	0.42 J	1.2 U	0.52 J	1.2 U	0.56 J	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
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
t-Butyl alcohol	NE	0.21 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
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
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
Tetrahydrofuran	0.4	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 UJ	1.1 UJ	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
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
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	0.54 J	0.54 J	0.54 J	0.54 J	0.54 J	0.61 J	0.54 J	1.5 U	0.38 J	1.5 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 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	OZ-AA7 12/11/2009	OZ-AA7 12/17/2009	OZAA-07 12/22/2009
Trichlorobenzene, 1,2,4-	4.8	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
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
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
Trichloroethene	0.5	1.2	0.91 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
Trichlorofluoromethane	6.1	1.3	1.4	1.1	1.4	1.3	1.5	1.4	1.1	1.1	1.1
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 UJ	0.98 U	0.98 U	0.98 UJ
Trimethylbenzene, 1,2,4-	2.5	0.29 J	0.34 J	0.98 U	0.34 J	0.98 UJ	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
Trimethylpentane, 2,2,4-	2	0.28 J	1.4	0.93 U	1.0	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	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
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
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

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-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	OZ-AA8 10/23/2009	OZ-AA8 10/29/2009	OZ-AA8 11/2/2009	OZ-AA8 11/6/2009
BTEX (ug/m3)											
Benzene	5.8	0.73	1.0	0.29 J	0.45 J	0.48 J	0.38 J	0.51 J	5.0	2.2	0.54 J
Toluene	21	1.0	2.5	0.38 J	1.4	1.2	2.6	1.1	28	16	2.4
Ethylbenzene	1.9	0.87 U	0.35 J	1.9	0.87 U	0.87 U	0.32 J	0.87 U	4.3	2.4	0.39 J
Xylene, m,p-	3.1	1.7 U	0.95 J	2.1	0.56 J	0.48 J	0.75 J	0.69 J	15	7.6	1.2 J
Xylene, o-	2.5	0.87 U	0.35 J	0.43 J	0.26 J	0.87 U	0.24 J	0.22 J	5.3	3.0	0.43 J
Other VOCs (ug/m3)											
Acetaldehyde	NE	3.2 J	2.8 J	4.5	6.0 J	10	26	4.2	7.8 U	5.0 U	4.5 UJ
Acetone	58	3.5 U	3.5 J	3.2 J	6.5 J	5.3 J	8.5 J	5.8 U	1.8 UJ	1.4 J	6.0 J
Acrolein (propenal)	NE	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
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
Benzothiophene	NE	1.1 U	1.1 U	1.1 U	1.1 U	2.7 U	1.1 U	1.1 U	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
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
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
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
Butane	NE	1.6	2.6	0.59	1.5	1.1	0.40 J	1.0	5.9	5.1	2.2
Butanone, 2-	17	0.56 J	0.74	0.59 U	0.71	0.85	0.58 J	0.38 J	2.1	0.94	0.59 U
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	0.62 U
Carbon tetrachloride	1	0.50 J	0.57 J	0.38 J	0.44 J	0.44 J	0.50 J	0.63 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
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
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
Chloromethane	4.6	0.99	1.0	1.0	1.0	1.1	1.1	0.99	1.1	1.0	0.91
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
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
Cyclohexane	3	0.69 U	0.69 U	0.69 U	0.69 UJ	0.69 U	0.69 U	0.69 U	6.2	2.7	0.48 J
Decane, n-	3.6	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	2.5	1.2 U	0.58 J	0.29 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
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
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
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
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
Dichlorodifluoromethane	11	2.3	2.2	2.6	2.5	2.4	2.3	2.3	2.5	2.5	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
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
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
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

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-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	OZ-AA8 10/23/2009	OZ-AA8 10/29/2009	OZ-AA8 11/2/2009	OZ-AA8 11/6/2009
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
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
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
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
Dodecane, n-	7.6	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	2.5	1.4 U	1.4 U	1.4 U	1.4 U
Ethanol	220	1.9	1.9 J	1.5 J	3.4	2.8	2.9	3.9	5.1	30	4.3
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
Ethyltoluene, p-	NE	0.98 U	0.98 U	0.29 J	0.98 U	0.98 U	0.98 U	0.98 U	1.1	0.69 J	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	8.6	4.2	0.57 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
Hexane, n-	3.6	0.39 J	0.56 J	0.70 U	0.25 J	0.70 U	0.27 J	0.42 J	21	10	1.5
Hexanone, 2-	NE	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
Indan	NE	0.97 U	0.97 U	0.87 J	0.97 U	0.97 U	0.97 U	0.97 U	0.77 J	0.43 J	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
Isopropyl benzene	0.4	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
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
Methylene chloride	2.9	0.56 J	0.62 J	0.52 J	0.62 J	1.7 U	0.91 J	0.52 J	0.56 J	0.49 J	0.49 J
Methylnaphthalene, 1-	NE	1.2 U	1.2 U	1.2 U	1.3 J	2.9 UJ	2.9 U	1.2 UJ	1.2 U	1.2 U	1.2 U
Methylnaphthalene, 2-	NE	1.2 U	1.2 U	1.2 U	3.0 J	2.9 U	2.9 U	1.2 U	0.52 J	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
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
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
Nonane	1.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.5	0.68 J	1.0 U
Octane, n-	2.1	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	1.6	0.93 U	3.2	1.4	0.23 J
Pentane	NE	1.3	1.2	0.38 J	0.86	1.4	0.43 J	0.62	28	9.4	1.0
Propanol, 2-	NE	0.66 J	0.66 J	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.42 J	0.49 J	1.2 U
Propylbenzene, n-	0.5	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
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
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
Tetrachloroethene	1.6	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	1.4 U
Tetrahydrofuran	0.4	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	0.38 J	0.27 J	1.1 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
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
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	0.46 J	0.46 J	0.54 J	0.61 J	0.54 J	0.56 J	0.54 J	0.54 J	0.54 J	0.69 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-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	OZ-AA8 10/23/2009	OZ-AA8 10/29/2009	OZ-AA8 11/2/2009	OZ-AA8 11/6/2009
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
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
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
Trichloroethene	0.5	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.3	0.91 J	1.1 U
Trichlorofluoromethane	6.1	1.0 J	1.1	1.2	1.4	1.3	1.2	1.2	1.3	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	0.98 U	0.98 U	1.2	0.79 J	0.98 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	0.25 J	4.3	2.6	0.34 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	1.4	0.79 J	0.98 U
Trimethylpentane, 2,2,4-	2	0.42 J	0.93 U	0.93 U	0.93 U	0.93 U	0.48 J	0.93 U	13	9.6	1.7
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	0.38 J	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
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

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 11/9/2009	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
BTEX (ug/m3)											
Benzene	5.8	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
Toluene	21	2.6	1.6	0.94	1.5	0.90	0.56 J	0.56 J	0.90	2.0	0.45 J
Ethylbenzene	1.9	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
Xylene, m,p-	3.1	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
Xylene, o-	2.5	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
Other VOCs (ug/m3)											
Acetaldehyde	NE	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
Acetone	58	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
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 UJ	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
Benzothiophene	NE	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
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
Bromoform	NE	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
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
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
Butane	NE	4.0	2.2	1.1	1.8	1.9	0.90	0.88	1.6	2.7	0.64
Butanone, 2-	17	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
Carbon disulfide	NE	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	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
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
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
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
Chloromethane	4.6	1.1	0.93	0.93	1.1	1.1	1.1	1.1	1.1	1.1	1.1
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
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
Cyclohexane	3	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
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
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
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
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
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
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
Dichlorodifluoromethane	11	2.6	2.4	2.4	2.3	2.3	2.2	2.2	2.3	2.0	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
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
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
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

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 11/9/2009	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
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
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
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
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
Dodecane, n-	7.6	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
Ethanol	220	4.5	4.3	2.2	3.0	3.8	1.9 U	1.8 J	2.0	2.0	1.3 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
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
Heptane, n-	5.1	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
Hexachlorobutadiene	7	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
Hexane, n-	3.6	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
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
Indan	NE	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
Indene	NE	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
Isopropyl benzene	0.4	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
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
Methylene chloride	2.9	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
Methylnaphthalene, 1-	NE	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
Methylnaphthalene, 2-	NE	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
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
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
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
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
Octane, n-	2.1	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
Pentane	NE	2.2	1.4	0.56 J	0.88	0.86	0.47 J	0.41 J	0.68	1.2	0.41 J
Propanol, 2-	NE	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
Propylbenzene, n-	0.5	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
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
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
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	0.68 J	1.4 U
Tetrahydrofuran	0.4	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 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
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
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	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

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 11/9/2009	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
Trichlorobenzene, 1,2,4-	4.8	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	1.1 U	1.1 U	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
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
Trichlorofluoromethane	6.1	1.3	1.2	1.2	1.3	1.2	1.3	1.2	1.1 J	1.1	1.4
Trimethylbenzene, 1,2,3-	0.6	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
Trimethylbenzene, 1,2,4-	2.5	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
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
Trimethylpentane, 2,2,4-	2	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
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
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
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

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-08 4/15/2010	OZAA-08 5/17/2010	OZAA-08 6/22/2010	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
BTEX (ug/m3)											
Benzene	5.8	0.54 J	0.45 J	0.33 J	0.41 J	0.73 U	0.77 U	0.38 J	1.4	0.51 J	0.51 J
Toluene	21	2.0	1.3	2.4	0.72 J	1.7	4.0	0.79	2.8	0.98	0.87
Ethylbenzene	1.9	0.26 J	0.87 U	0.34 J	0.87 U	0.39 J	0.52 J	0.87 U	0.43 J	0.87 U	0.87 U
Xylene, m,p-	3.1	0.78 J	0.48 J	0.79 J	1.7 U	1.2 J	2.0	1.7 U	1.3 J	1.7 U	1.7 U
Xylene, o-	2.5	0.30 J	0.87 U	0.25 J	0.87 U	0.35 J	0.74 J	0.87 U	0.56 J	0.87 U	0.87 U
Other VOCs (ug/m3)											
Acetaldehyde	NE	11 J	8.6	43	5.3 J	5.9 U	5.6 U	5.0 J	7.1 J	5.0 J	3.0 J
Acetone	58	5.8 J	5.2 J	12 J	4.5 U	5.6 U	2.0 J	2.9 J	6.2 J	3.8 J	4.6 U
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
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
Benzothiophene	NE	1.1 U	2.7 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
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
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 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
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
Butane	NE	3.4	1.0	0.53	0.81 J	0.93	2.5	1.8	4.2	1.0	1.0
Butanone, 2-	17	1.1	0.74	0.82	0.44 J	5.2	0.74	0.59 U	1.3	0.59	0.59 U
Carbon disulfide	NE	0.62 U	0.62 U	0.62 U	0.62 U	.62 U	0.62 U	0.62 U	0.19 J	0.62 U	0.62 U
Carbon tetrachloride	1	0.50 J	0.57 J	0.40 J	0.50 J	0.44 J	0.50 J	0.57 J	0.50 J	0.50 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
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
Chloroform	0.5	0.98 U	0.98 U	5.3	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Chloromethane	4.6	1.1	1.2	0.96	0.87 J	1.1	0.93	0.89	1.1	0.91	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
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
Cyclohexane	3	0.69 UJ	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
Decane, n-	3.6	1.2 U	1.2 U	2.7	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
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
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
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
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
Dichlorodifluoromethane	11	2.6	2.3	2.3	2.2 J	2.5	2.3	2.4	2.5	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
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
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
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

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-08 4/15/2010	OZAA-08 5/17/2010	OZAA-08 6/22/2010	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
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
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
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
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
Dodecane, n-	7.6	1.4 U	1.4 U	2.9	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Ethanol	220	4.8	3.5	4.0	3.2 J	4.0	3.7	1.8 J	4.6	2.8	2.1
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
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
Heptane, n-	5.1	0.82 U	0.82 U	0.21 J	0.82 U	0.82 U	0.45 J	0.82 U	0.49 J	0.20 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 UJ	2.1 U
Hexane, n-	3.6	0.49 J	0.70 U	0.26 J	0.28 J	0.32 J	1.2	0.70 U	1.1	0.28 J	0.28 J
Hexanone, 2-	NE	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
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
Indene	NE	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
Isopropyl benzene	0.4	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
Methyl-2-pentanone, 4-	2.9	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
Methylene chloride	2.9	0.59 J	1.7 U	0.98 J	1.7 U	0.56 J	0.49 J	0.52 J	0.69 J	0.52 J	1.7 U
Methylnaphthalene, 1-	NE	2.9 U	2.9 UJ	2.9 U	1.2 UJ	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Methylnaphthalene, 2-	NE	2.9 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
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
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
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
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
Octane, n-	2.1	0.93 U	0.93 U	1.8	0.93 U	0.93 U	0.93 U	0.93 U	0.23 J	0.93 U	0.93 U
Pentane	NE	1.9	0.88	0.50 J	0.47 J	0.65	2.0	0.53 J	2.3	0.56 J	0.53 J
Propanol, 2-	NE	1.2 U	1.2 U	1.2 U	1.2 U	0.44 J	0.34 J	1.2 U	0.49 J	1.2 U	0.52 J
Propylbenzene, n-	0.5	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
t-Butyl alcohol	NE	0.61 U	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
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
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
Tetrahydrofuran	0.4	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 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 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
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
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	0.61 J	0.54 J	0.54 J	0.46 J	0.54 J	0.54 J	0.54 J	0.54 J	0.54 J	0.54 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-08 4/15/2010	OZAA-08 5/17/2010	OZAA-08 6/22/2010	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
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 UJ	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
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
Trichloroethene	0.5	1.1 U	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
Trichlorofluoromethane	6.1	1.5	1.2	1.2	1.2 J	1.4	1.1	1.2	1.3	1.2	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 U
Trimethylbenzene, 1,2,4-	2.5	0.29 J	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
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
Trimethylpentane, 2,2,4-	2	0.93 U	0.47 J	0.93 U	0.93 U	0.23 J	1.3	0.93 U	1.1	0.51 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
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
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

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-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	OZAA-09 3/24/2010	OZAA-09 4/15/2010	OZAA-09 5/17/2010	OZAA-09 6/22/2010
BTEX (ug/m3)											
Benzene	5.8	0.57 J	0.54 J	0.41 J	1.4	0.77	0.99	0.38 J	0.57 J	0.38 J	0.34 J
Toluene	21	0.87	0.79	0.72 J	15	1.0	2.8	0.56 J	1.7	1.2	2.2
Ethylbenzene	1.9	0.87 U	0.87 U	0.87 U	2.1	0.87 U	0.39 J	3.1	0.87 U	0.87 U	0.29 J
Xylene, m,p-	3.1	1.7 U	1.7 U	1.7 U	3.4	1.7 U	1.1 J	3.4	0.61 J	1.7 U	0.68 J
Xylene, o-	2.5	0.87 U	0.87 U	0.87 U	1.1	0.87 U	0.39 J	0.69 J	0.87 U	0.87 U	0.87 U
Other VOCs (ug/m3)											
Acetaldehyde	NE	5.4 U	4.2	1.8 U	9.7 J	2.3 J	10 J	4.3	6.7	7.3	14
Acetone	58	2.7 UJ	2.7 UJ	3.6 UJ	2.4 UJ	3.5 U	3.4 J	5.7 J	5.6 J	5.7 J	7.6 J
Acrolein (propenal)	NE	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
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
Benzothiophene	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	2.7 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
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
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
Butadiene, 1,3-	NE	0.44 U	0.44 U	0.44 U	0.29 J	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Butane	NE	1.9	2.8	0.86	2.3	1.7	3.1	0.67	1.7	1.2	0.45 J
Butanone, 2-	17	0.59 U	0.50 J	0.27 J	5.9	0.41 J	0.94	0.50 J	0.59 U	0.74	0.59
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	0.62 U
Carbon tetrachloride	1	0.44 J	0.38 J	0.44 J	1.1 J	0.44 J	0.44 J	0.50 J	0.50 J	0.57 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
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
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
Chloromethane	4.6	1.0	1.0	1.1	1.3	1.0	1.2	1.1	1.2	1.1	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
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
Cyclohexane	3	0.69 U	0.69 U	0.69 U	1.3	0.69 U	0.69 U	0.69 U	0.69 UJ	0.69 U	0.69 U
Decane, n-	3.6	1.2 U	1.2 U	1.2 U	17	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	4.4
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
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
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
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
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
Dichlorodifluoromethane	11	2.3	2.3	2.1	2.3	2.3	2.2	2.6	2.8	2.4	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 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
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
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

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-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	OZAA-09 3/24/2010	OZAA-09 4/15/2010	OZAA-09 5/17/2010	OZAA-09 6/22/2010
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
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
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
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
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 U	1.4 U	5.4
Ethanol	220	3.6	4.2	2.0 U	18	2.0	3.6	1.7 J	3.9	3.0	3.8
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
Ethyltoluene, p-	NE	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.49 J	0.98 U	0.98 U	0.98 U
Heptane, n-	5.1	0.82 U	0.82 U	0.82 U	1.3	0.82 U	0.33 J	0.82 U	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
Hexane, n-	3.6	0.39 J	0.46 J	0.70 U	3.4	0.35 J	0.60 J	0.18 J	0.32 J	0.32 J	0.34 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
Indan	NE	0.97 UJ	0.97 U	0.97 U	0.97 UJ	0.97 U	0.97 U	1.5	0.97 U	0.97 U	0.97 U
Indene	NE	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
Isopropyl benzene	0.4	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
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 UJ	0.82 U	0.82 U
Methylene chloride	2.9	0.56 J	1.7 U	1.7 U	5.2	0.52 J	0.69 J	0.56 J	0.69 J	1.7 U	3.5 U
Methylnaphthalene, 1-	NE	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
Methylnaphthalene, 2-	NE	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
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
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
Naphthalene	10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.42 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	1.0 U	1.0 U	1.0 U
Octane, n-	2.1	0.93 U	0.93 U	0.93 U	0.33 J	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	2.0
Pentane	NE	0.91	1.2	0.68	520	0.83	1.3	0.53 J	1.0	0.94	0.80
Propanol, 2-	NE	1.2 U	1.2 U	1.2 U	11	0.39 J	0.44 J	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
Styrene	0.6	0.85 U	0.85 U	0.85 U	0.77 J	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	0.36 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
Tetrachloroethene	1.6	1.4 U	1.4 U	1.4 U	0.41 J	1.4 U	1.2 J	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
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
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
Trans-1,2-dichloroethene	NE	0.79 U	0.79 U	0.79 U	0.20 J	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	0.38 J	1.5 U	0.54 J	0.46 J	0.46 J	0.61 J	0.61 J	0.61 J	0.51 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-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	OZAA-09 3/24/2010	OZAA-09 4/15/2010	OZAA-09 5/17/2010	OZAA-09 6/22/2010
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
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
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
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
Trichlorofluoromethane	6.1	1.2	1.2	1.2	1.3	1.1 J	1.2	1.4	1.5	1.2	1.3
Trimethylbenzene, 1,2,3-	0.6	0.98 UJ	0.98 U	0.98 U	0.98 UJ	0.98 U	0.98 U	0.29 J	0.98 U	0.98 U	0.98 U
Trimethylbenzene, 1,2,4-	2.5	0.98 U	0.98 U	0.98 U	0.59 J	0.98 U	0.29 J	0.79 J	0.25 J	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	0.25 J	0.98 U	0.98 U	0.98 U
Trimethylpentane, 2,2,4-	2	0.93 U	0.93 U	0.93 U	0.93 U	0.47 J	0.93 U	0.93 U	0.93 U	0.93 U	0.37 J
Undecane, n-	2.3	1.3 U	1.3 U	1.3 U	36	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	0.34 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
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

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 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	OZ-AA10 12/11/2009	OZ-AA10 12/17/2009
BTEX (ug/m3)											
Benzene	5.8	0.38 J	0.80 U	0.67 U	0.38 J	1.2	0.51 J	0.64	0.54 J	0.38 J	0.29 J
Toluene	21	0.87	2.8	3.8	1.0	2.3	0.79	1.5	1.1	0.64 J	0.38 J
Ethylbenzene	1.9	0.52 J	0.39 J	0.26 J	0.87 U	0.39 J	0.87 U	0.26 J	0.87 U	0.87 U	0.87 U
Xylene, m,p-	3.1	1.3 J	1.3 J	0.69 J	1.7 U	1.0 J	1.7 U	0.91 J	1.7 U	1.7 U	1.7 U
Xylene, o-	2.5	0.30 J	0.48 J	0.26 J	0.87 U	0.43 J	0.87 U	0.35 J	0.87 U	0.87 U	0.87 U
Other VOCs (ug/m3)											
Acetaldehyde	NE	4.7	4.5 U	5.0 U	51	6.8 J	4.3 J	6.0 J	3.8 U	3.5	4.4 U
Acetone	58	4.5 U	7.5 U	5.5 J	5.8 J	10 J	3.5 J	2.7 U	3.5 UJ	2.7 UJ	2.4 U
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
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
Benzothiophene	NE	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
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
Bromoform	NE	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
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
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
Butane	NE	1.2	1.9	1.3	1.5	3.8	1.1	1.7	1.9	1.8	0.90
Butanone, 2-	17	0.47 J	0.59	0.62	1.0	1.3	0.53 J	0.68	0.59 U	0.59 U	0.32 J
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	0.62 U
Carbon tetrachloride	1	0.50 J	0.50 J	0.50 J	0.44 J	0.44 J	0.50 J	0.44 J	0.44 J	0.38 J	0.38 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
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
Chloroform	0.5	0.98 U	0.34 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
Chloromethane	4.6	0.91	0.93	0.95	0.87	1.0	0.89	1.0	1.0	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
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
Cyclohexane	3	0.69 U	0.69 U	0.69 U	0.69 U	0.17 J	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Decane, n-	3.6	1.2 U	0.35 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
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
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
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
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
Dichlorodifluoromethane	11	2.3	2.4	2.3	2.4	2.5	2.4	2.6	2.4	2.1	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
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
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
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

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 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	OZ-AA10 12/11/2009	OZ-AA10 12/17/2009
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
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
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
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
Dodecane, n-	7.6	1.4 U	0.35 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	3.5	4.9	2.9	3.5	4.1	3.0	3.6	3.0	3.2	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
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
Heptane, n-	5.1	0.82 U	0.25 J	0.20 J	0.82 U	0.41 J	0.82 U	0.25 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
Hexane, n-	3.6	0.25 J	0.60 J	0.46 J	0.18 J	0.85	0.35 J	0.53 J	0.28 J	0.25 J	0.70 U
Hexanone, 2-	NE	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
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
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
Isopropyl benzene	0.4	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
Methyl-2-pentanone, 4-	2.9	2.6	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
Methylene chloride	2.9	1.7 U	0.49 J	1.7 U	0.56 J	0.62 J	0.52 J	1.7 U	0.73 J	1.7 U	1.7 U
Methylnaphthalene, 1-	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
Methylnaphthalene, 2-	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
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
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
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
Nonane	1.2	1.0 U	0.31 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Octane, n-	2.1	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U
Pentane	NE	0.74	1.3	0.94	0.56 J	2.3	0.62	1.2	0.83	0.77	0.68
Propanol, 2-	NE	1.2 U	0.52 J	0.42 J	1.2 U	0.52 J	1.2 U	0.37 J	1.2 U	1.2 U	1.2 U
Propylbenzene, n-	0.5	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
t-Butyl alcohol	NE	0.61 U	0.61 U	0.88	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
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
Tetrahydrofuran	0.4	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
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
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
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	0.38 J	0.61 J	0.54 J	0.54 J	0.54 J	0.54 J	0.54 J	0.54 J	1.5 U	0.54 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 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	OZ-AA10 12/11/2009	OZ-AA10 12/17/2009
Trichlorobenzene, 1,2,4-	4.8	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
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
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
Trichloroethene	0.5	1.1 U	0.91 J	0.48 J	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	1.2	1.2	1.2	1.4	1.2	1.3	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 UJ	0.98 U	0.98 U
Trimethylbenzene, 1,2,4-	2.5	0.29 J	0.49 J	0.98 U	0.98 U	0.29 J	0.98 UJ	0.34 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
Trimethylpentane, 2,2,4-	2	0.93 U	0.42 J	0.28 J	0.93 U	0.89 J	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U
Undecane, n-	2.3	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
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
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

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-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
BTEX (ug/m3)								
Benzene	5.8	0.29 J	0.77	0.99	0.29 J	0.48 J	0.57 J	0.89
Toluene	21	0.41 J	0.94	2.6	0.38 J	1.6	3.8	6.0
Ethylbenzene	1.9	0.87 U	0.87 U	0.35 J	0.87 U	0.87 U	0.35 J	1.1
Xylene, m,p-	3.1	1.7 U	1.7 U	1.0 J	1.7 U	0.48 J	1.2 J	3.9
Xylene, o-	2.5	0.87 U	0.87 U	0.30 J	0.87 U	0.87 U	0.43 J	1.4
Other VOCs (ug/m3)								
Acetaldehyde	NE	21	2.2 J	7.1 J	6.2	10	6.2	20
Acetone	58	2.8 UJ	2.4 U	4.8 J	6.0 J	5.9 J	9.2 J	9.3 J
Acrolein (propenal)	NE	1.2 U	1.2 U	1.2 UJ	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
Benzo thiophene	NE	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.7 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
Bromoform	NE	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
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
Butane	NE	0.78	1.6	2.6	0.59	1.4	4.9	0.89
Butanone, 2-	17	0.41 J	0.59 U	0.97	0.74	0.91	0.80	0.82
Carbon disulfide	NE	0.62 U	0.62 U	0.68 U	0.62 U	0.62 U	0.62 U	0.62 U
Carbon tetrachloride	1	0.38 J	0.38 J	0.50 J	0.44 J	0.50 J	0.38 J	0.45 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
Chloroethane	0.4	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
Chloromethane	4.6	1.1	1.0	1.2	1.0	0.99	0.99	0.95
Chlorotoluene, 2-	NE	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
Cyclohexane	3	0.69 U	0.69 U	0.69 U	0.69 U	0.69 UJ	0.69 U	0.46 J
Decane, n-	3.6	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.47 J	3.4
Dibromochloromethane	NE	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
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
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
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
Dichlorodifluoromethane	11	2.2	2.1	2.5	2.7	2.6	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
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
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
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

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-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
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
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
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
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
Dodecane, n-	7.6	1.4 UJ	1.4 U	1.4 U	1.4 U	1.4 U	0.42 J	6.8
Ethanol	220	2.7	1.7 J	2.3	1.2 J	3.4	4.9	10
Ethylthiophene, 2-	NE	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	0.38 J
Heptane, n-	5.1	0.82 U	0.82 U	0.25 J	0.82 U	0.82 U	0.29 J	1.1
Hexachlorobutadiene	7	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	0.70 U	0.32 J	0.42 J	0.70 U	0.70 UJ	0.70	1.6
Hexanone, 2-	NE	0.82 U	0.82 U	0.82 U	0.82 U	0.82 UJ	0.82 U	0.82 U
Indan	NE	0.97 UJ	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.27 J
Indene	NE	0.95 UJ	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
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
Methyl-2-pentanone, 4-	2.9	0.82 U	0.82 U	0.82 U	0.82 U	0.82 UJ	0.82 U	0.82 U
Methylene chloride	2.9	1.7 U	0.66 J	0.83 J	0.56 J	0.69 J	1.7 U	1.1 J
Methylnaphthalene, 1-	NE	1.2 U	1.2 U	1.2 U	1.2 U	2.9 U	2.9 UJ	2.9 U
Methylnaphthalene, 2-	NE	1.2 U	1.2 U	1.2 U	1.2 U	2.9 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
Methylthiophene, 3-	NE	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	0.45 J
Nonane	1.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.26 J	0.51 J
Octane, n-	2.1	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	2.3
Pentane	NE	0.47 J	0.62	1.1	0.59 U	0.71	1.4	1.9
Propanol, 2-	NE	1.2 U	0.34 J	0.52 J	1.2 U	1.2 U	1.2 U	1.2 U
Propylbenzene, n-	0.5	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
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
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
Tetrachloroethene	1.6	1.4 U	1.4 U	0.88 J	1.4 U	1.4 U	1.4 U	1.4 U
Tetrahydrofuran	0.4	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
Thiophene	NE	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
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	0.46 J	0.46 J	0.54 J	0.61 J	0.61 J	0.54 J	0.60 J

Table 5-2
Analytical Ambient Air Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program

	NYSDOH Background Outdoor Air 95th Percentile ¹	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
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
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
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
Trichloroethene	0.5	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	1.0 J	1.3	1.4	1.4	1.2	1.4
Trimethylbenzene, 1,2,3-	0.6	0.98 UJ	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.45 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	1.5 J
Trimethylbenzene, 1,3,5-	1	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.40 J
Trimethylpentane, 2,2,4-	2	0.93 U	0.65 J	0.93 U	0.93 U	0.93 U	1.0	2.9
Undecane, n-	2.3	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	0.51 J	0.40 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
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

Table 5-2
Analytical Ambient Air Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Report

Notes:

ug/m3 - micrograms per cubic meter

BTEX - benzene, toluene, ethylbenzene, and xylene

VOCs - volatile organic compounds

¹ Source: New York State Department of Health (NYSDOH), October 2006. Summary of Indoor and Outdoor Levels of Volatile Organic Compounds from Fuel Oil Heated Homes reported in various locations within sampled homes in NYS, 1997-2003. Background values for naphthalene are from the NYSDOH 1997 Control Home Database presented in Table C3 of the NYSDOH 2006 Guidance.

Bolding indicates a detected result value

Shading and bolding indicates that the detected result value exceeds NYSDOH 95th percentile

NA - not analyzed

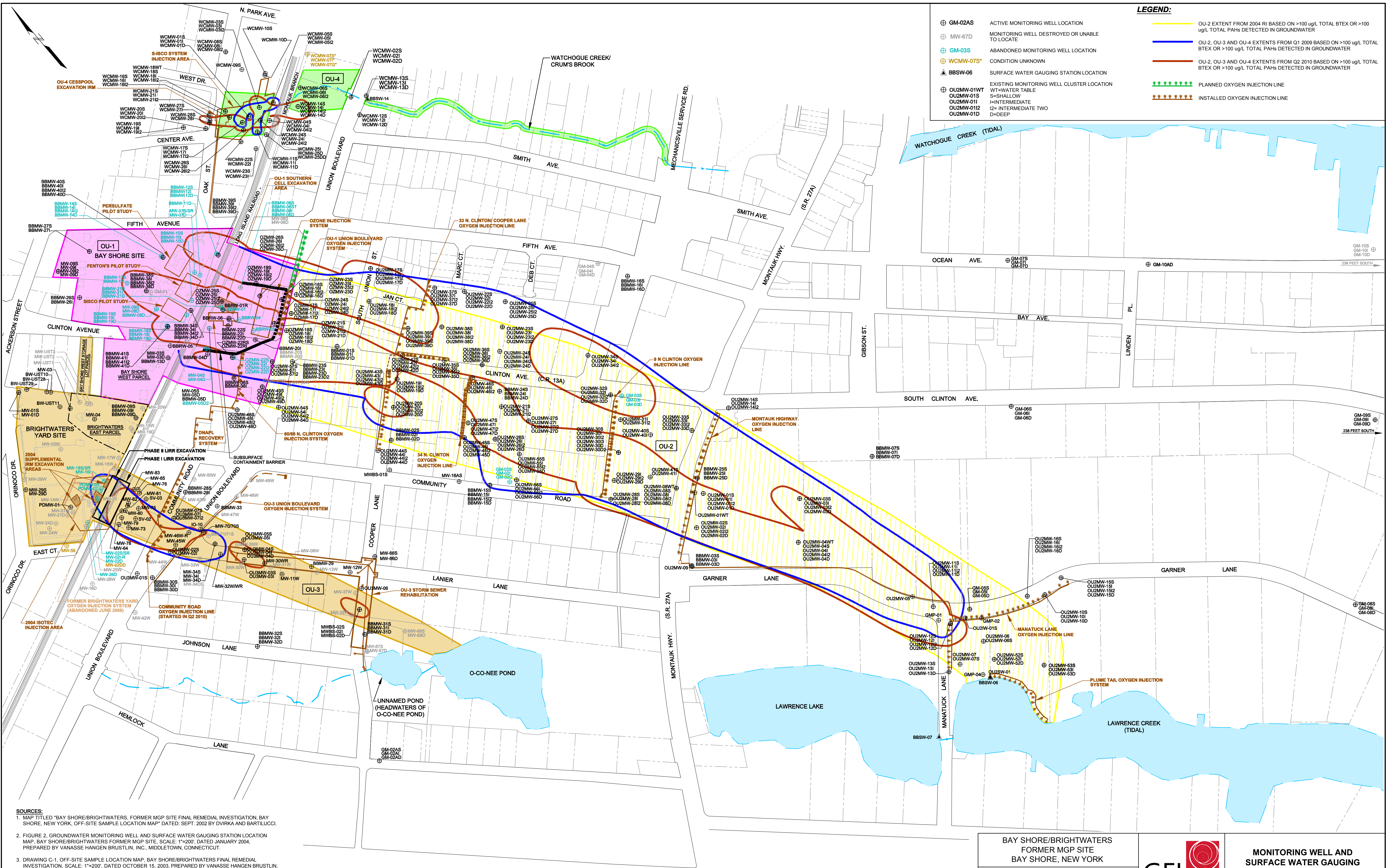
NE - not established

J - estimated value

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

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

Figures

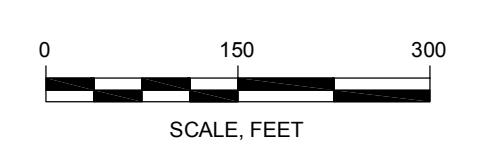


LEGEND:

⊕ GM-02AS	ACTIVE MONITORING WELL LOCATION	—	OU-2 EXTENT FROM 2004 RI BASED ON >100 ug/L TOTAL BTEX OR >100 ug/L TOTAL PAHS DETECTED IN GROUNDWATER
⊕ MW-67D	MONITORING WELL DESTROYED OR UNABLE TO LOCATE	—	OU-2, OU-3 AND OU-4 EXTENTS FROM Q1 2009 BASED ON >100 ug/L TOTAL BTEX OR >100 ug/L TOTAL PAHS DETECTED IN GROUNDWATER
⊕ GM-03S	ABANDONED MONITORING WELL LOCATION	—	OU-2, OU-3 AND OU-4 EXTENTS FROM Q2 2010 BASED ON >100 ug/L TOTAL BTEX OR >100 ug/L TOTAL PAHS DETECTED IN GROUNDWATER
⊕ WCMW-07S*	CONDITION UNKNOWN	—	
▲ BBSW-06	SURFACE WATER GAUGING STATION LOCATION	—	
⊕ Ouz2MW-01WT	EXISTING MONITORING WELL CLUSTER LOCATION	—	
Ouz2MW-01S	WT=WATER TABLE	—	
Ouz2MW-01I	S=SHALLOW	—	
Ouz2MW-01D	H=INTERMEDIATE	—	
	D=DEEP	—	
		—	PLANNED OXYGEN INJECTION LINE
		—	INSTALLED 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 BARTLUCCI.
 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).

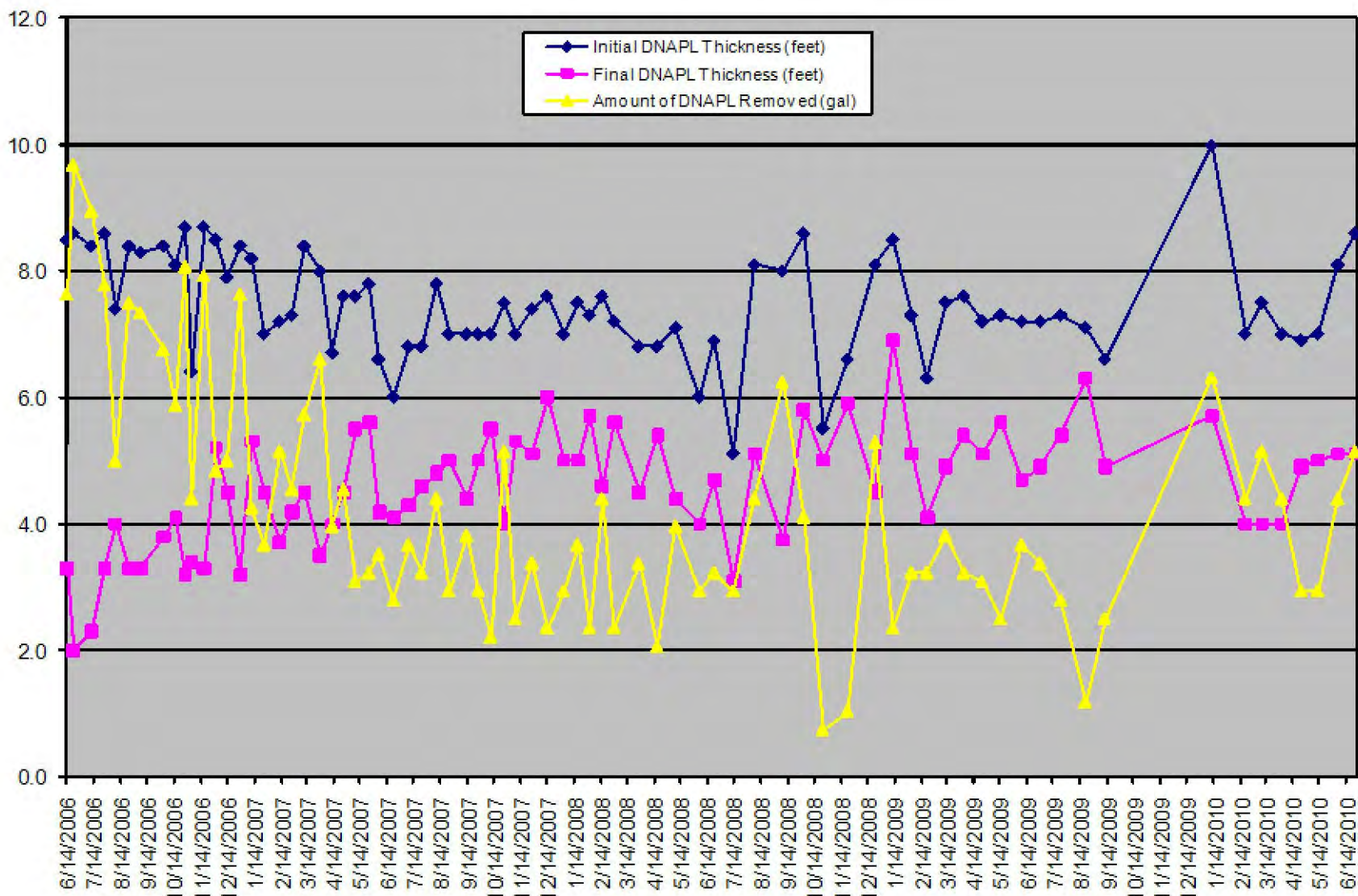


BAY SHORE/BRIGHTWATERS
FORMER MGP SITE
BAY SHORE, NEW YORK
nationalgrid
Project 093180-5-1506

GEI Consultants
110 WALT WHITMAN ROAD
SUITE 204
HUNTINGTON STATION, NY 11746

**MONITORING WELL AND
STATION WATER GAUGING
LOCATION MAP**
September 2010 Figure 1

I:\Project\National Grid\Bay Shore\Groundwater-Quarterly Monitoring\2010\FIGs\Bay Shore-Wells PLATE Q2-10.dwg (Sep 23, 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

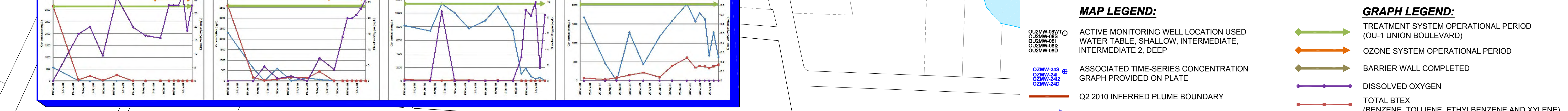
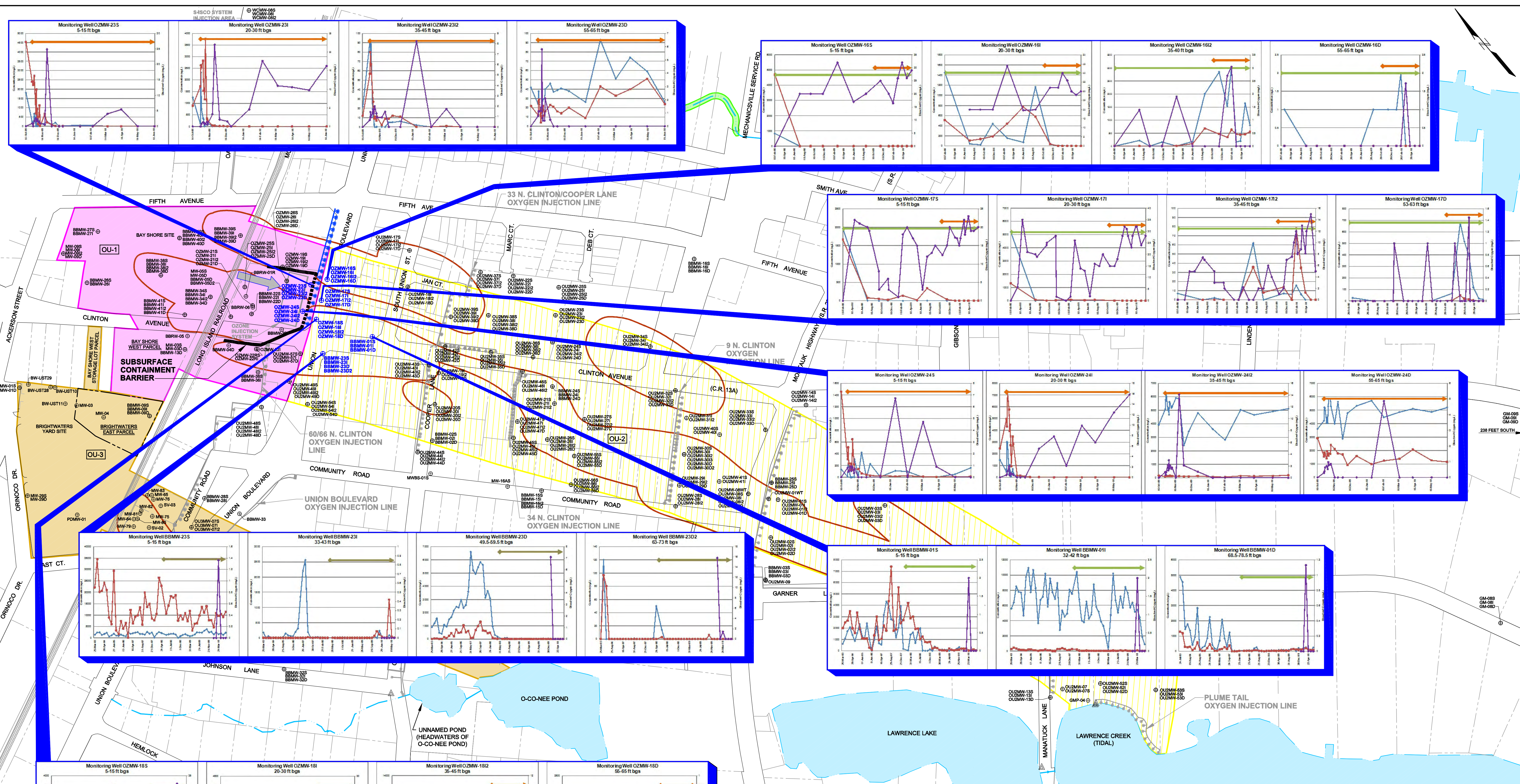


Project 093180-5-1506

**DNAPL RECOVERY DATA
BBRW-02**

September 2010

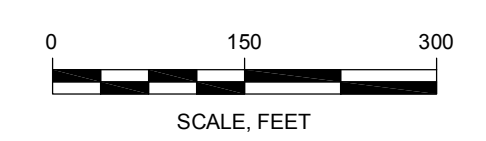
Figure 2



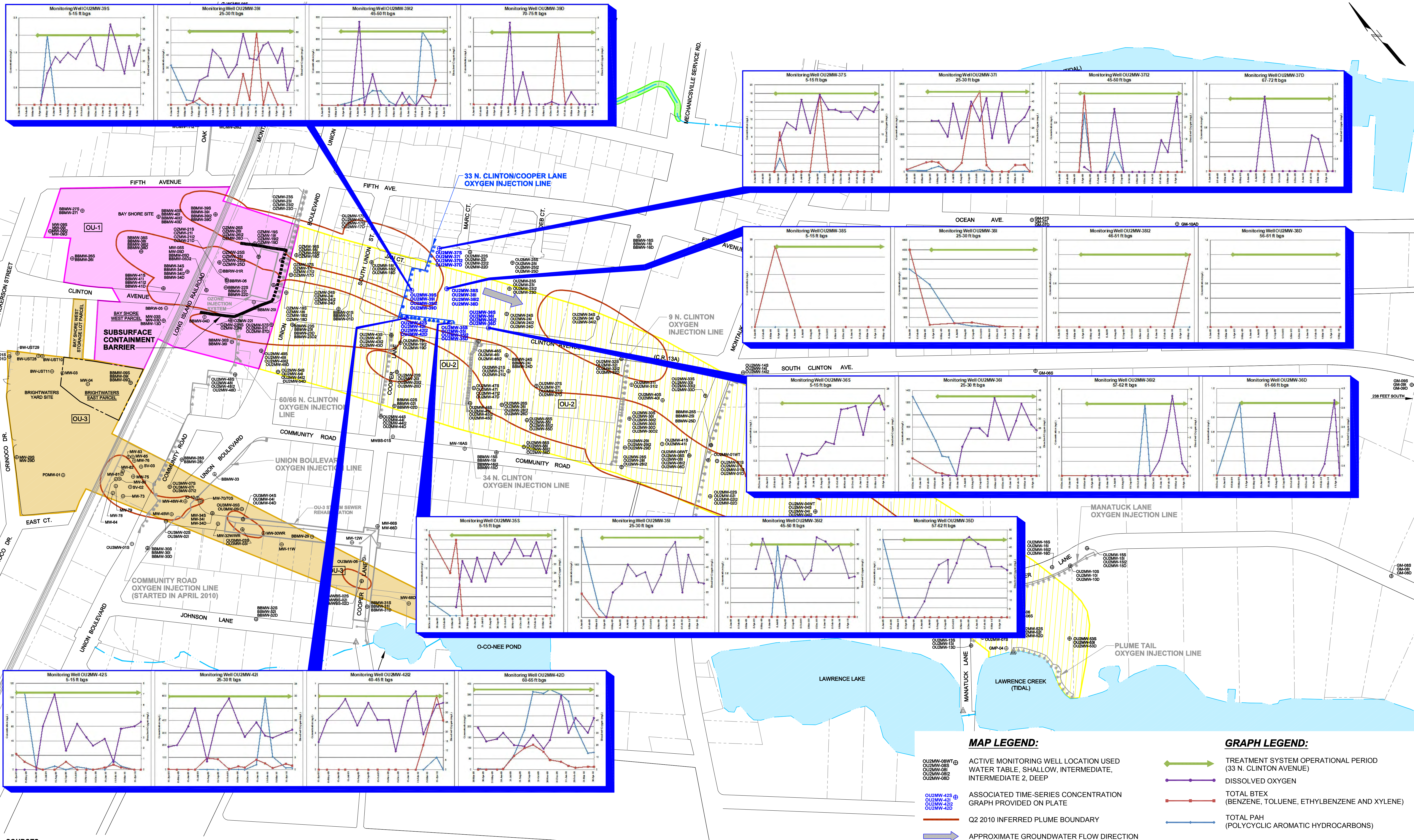
SOURCES:

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 BARTILICCI.
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NOTE:
WINDOWED SECTION OF THE SUBSURFACE CONTAINMENT BARRIER WALL CONSTRUCTED BETWEEN APPROXIMATELY 8 AND 38 FEET BELOW GROUND SURFACE (BGS).



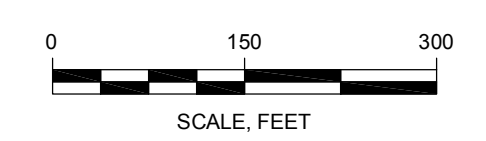
BAY SHORE/BRIGHTWATERS FORMER MGP SITE BAY SHORE, NEW YORK nationalgrid Project 093180-5-1506	 GEI Consultants 110 WALT WHITMAN ROAD SUITE 204 HUNTINGTON STATION, NY 11746	OU-1 UNION BOULEVARD OXYGEN INJECTION LINE GROUNDWATER INJECTION DATA September 2010 Figure 3
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SOURCES:

1. MAP TITLED "BAY SHORE/BRIGHTWATERS, FORMER MGP SITE FINAL REMEDIAL INVESTIGATION, BAY SHORE, NEW YORK, OFF-SITE SAMPLE LOCATION MAP" DATED: SEPT. 2002 BY DVIRKA AND BARTILICCI.
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NOTE:
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MAP LEGEND:

- ACTIVE MONITORING WELL LOCATION USED WATER TABLE, SHALLOW, INTERMEDIATE, INTERMEDIATE 2, DEEP
- ASSOCIATED TIME-SERIES CONCENTRATION GRAPH PROVIDED ON PLATE
- Q2 2010 INFERRED PLUME BOUNDARY
- APPROXIMATE GROUNDWATER FLOW DIRECTION

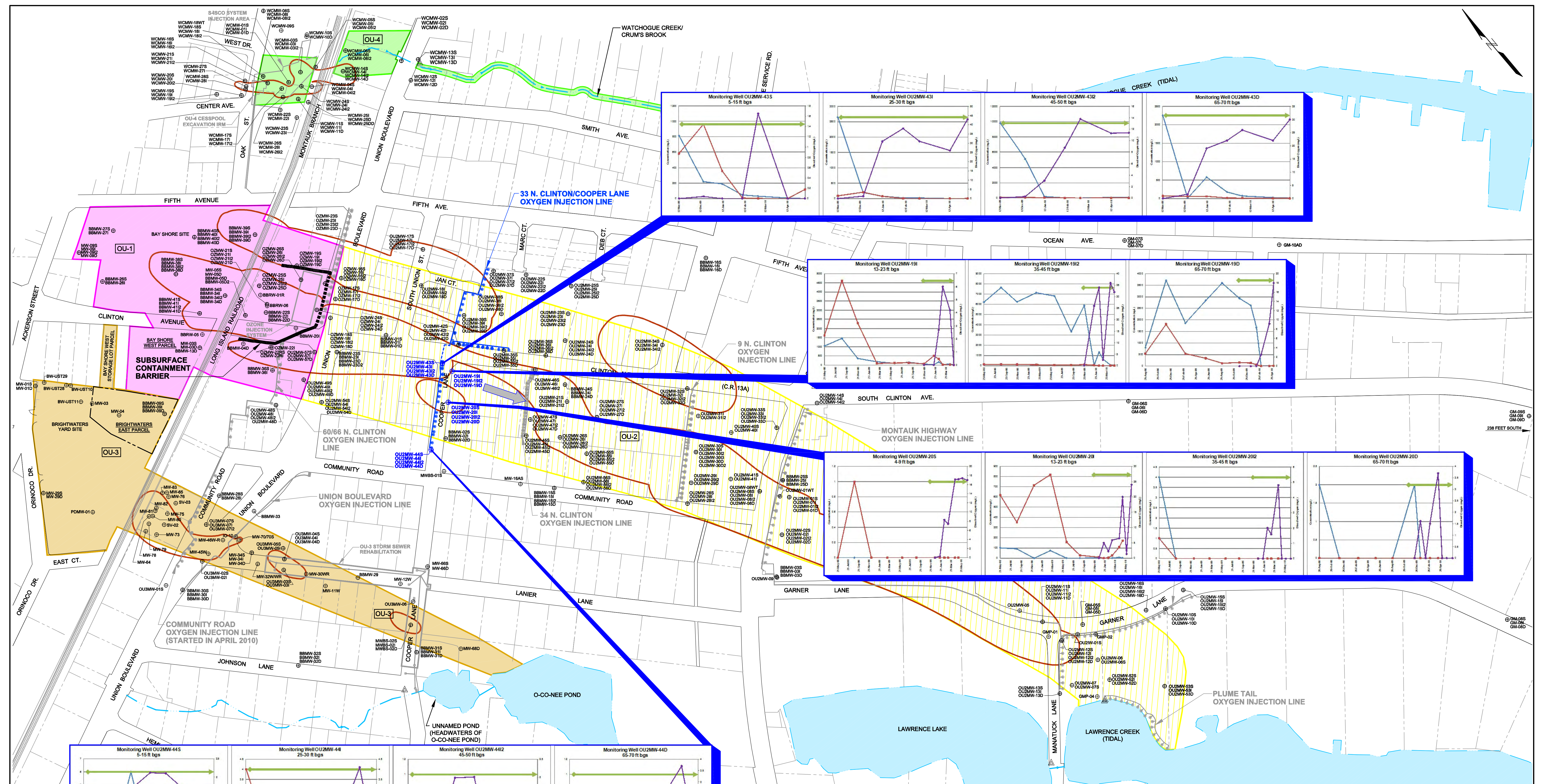
GRAPH LEGEND:

- TREATMENT SYSTEM OPERATIONAL PERIOD (33 N. CLINTON AVENUE)
- DISSOLVED OXYGEN
- TOTAL BTEX (BENZENE, TOLUENE, ETHYLBENZENE AND XYLENE)
- TOTAL PAH (POLYCYCLIC AROMATIC HYDROCARBONS)

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

**33 N. CLINTON AVENUE
OXYGEN INJECTION LINE
GROUNDWATER DATA**
September 2010 Figure 4



MAP LEGEND:

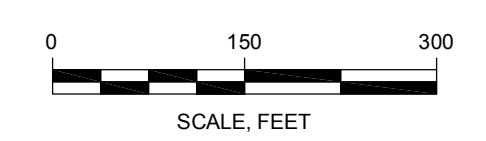
- ACTIVE MONITORING WELL LOCATION USED WATER TABLE, SHALLOW, INTERMEDIATE, INTERMEDIATE 2, DEEP
- ASSOCIATED TIME-SERIES CONCENTRATION GRAPH PROVIDED ON PLATE
- Q2 2010 INFERRED PLUME BOUNDARY
- ➔ APPROXIMATE GROUNDWATER FLOW DIRECTION

GRAPH LEGEND:

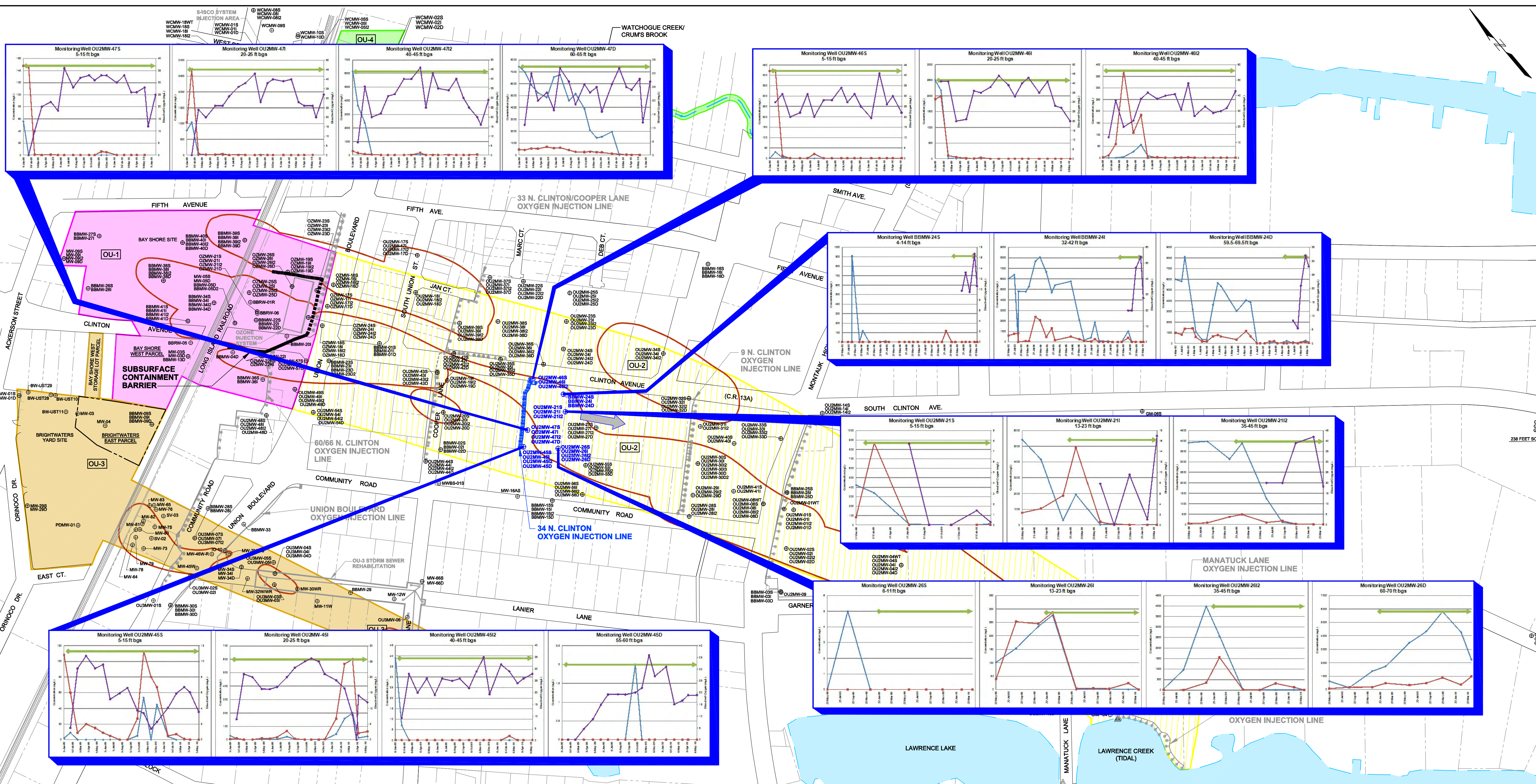
- ➔ TREATMENT SYSTEM OPERATIONAL PERIOD (33 N. CLINTON AVENUE)
- DISSOLVED OXYGEN
- TOTAL BTEX (BENZENE, TOLUENE, ETHYLBENZENE AND XYLENE)
- TOTAL PAH (POLYCYCLIC AROMATIC HYDROCARBONS)

- 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 BARTILICCI.
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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 nationalgrid Project 093180-5-1506	 GEI 110 WALT WHITMAN ROAD SUITE 204 HUNTINGTON STATION, NY 11746	COOPER LANE OXYGEN INJECTION LINE GROUNDWATER DATA September 2010 Figure 5
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MAP LEGEND:

- Ouz2mw-08WT, Ouz2mw-08S, Ouz2mw-09, Ouz2mw-08I2, Ouz2mw-08D
- Ouz2mw-265, Ouz2mw-261, Ouz2mw-262, Ouz2mw-26D
- Q2 2010 INFERRED PLUME BOUNDARY
- APPROXIMATE GROUNDWATER FLOW DIRECTION
- ACTIVE MONITORING WELL LOCATION USED WATER TABLE, SHALLOW, INTERMEDIATE, INTERMEDIATE 2, DEEP
- ASSOCIATED TIME-SERIES CONCENTRATION GRAPH PROVIDED ON PLATE

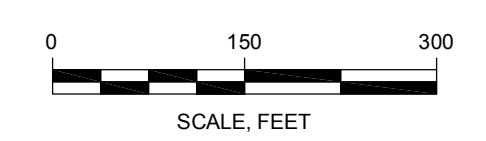
GRAPH LEGEND:

- TREATMENT SYSTEM OPERATIONAL PERIOD (34 N. CLINTON AVENUE)
- DISSOLVED OXYGEN
- TOTAL BTEX (BENZENE, TOLUENE, ETHYLBENZENE AND XYLENE)
- TOTAL PAH (POLYCYCLIC AROMATIC HYDROCARBONS)

SOURCES:

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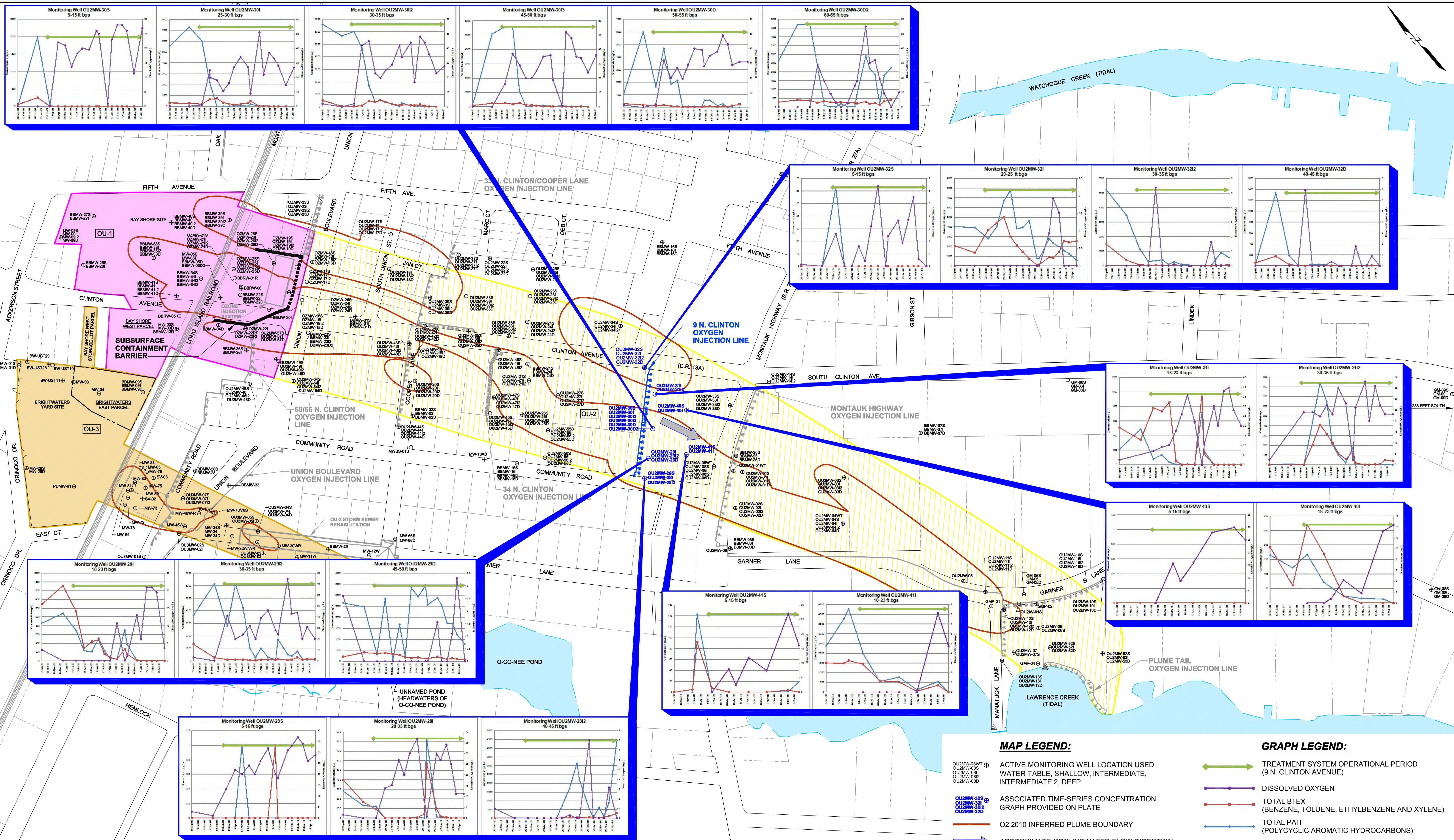
NOTE:
WINDOWED SECTION OF THE SUBSURFACE CONTAINMENT BARRIER WALL CONSTRUCTED BETWEEN APPROXIMATELY 8 AND 38 FEET BELOW GROUND SURFACE (BGS).



BAY SHORE/BRIGHTWATERS
FORMER MGP SITE
BAY SHORE, NEW YORK
nationalgrid
Project 093180-5-1506

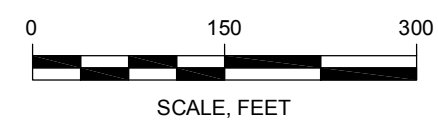


**34 N. CLINTON AVENUE
OXYGEN INJECTION LINE
GROUNDWATER DATA**
September 2010 Figure 6



- 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 BARTILICCI.
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NOTE:
WINDOWED SECTION OF THE SUBSURFACE CONTAINMENT BARRIER WALL CONSTRUCTED BETWEEN APPROXIMATELY 8 AND 38 FEET BELOW GROUND SURFACE (BGS).



MAP LEGEND:

- OU2MW-68WT
○ OU2MW-68S
○ OU2MW-68I
○ OU2MW-68II
○ OU2MW-68D
- OU2MW-32S
○ OU2MW-32I
○ OU2MW-32II
- Q2 2010 INFERRED PLUME BOUNDARY
- APPROXIMATE GROUNDWATER FLOW DIRECTION

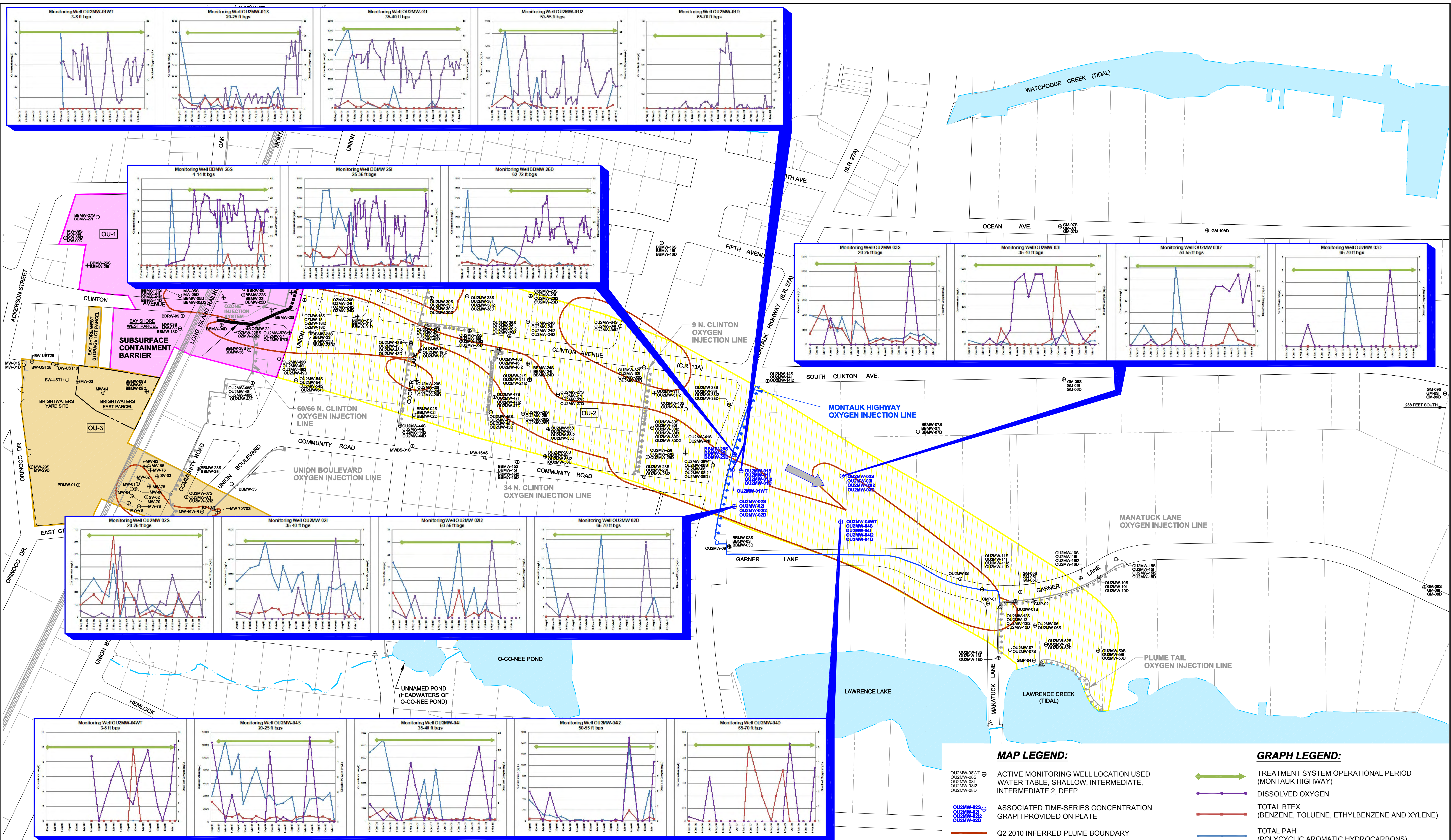
GRAPH LEGEND:

- TREATMENT SYSTEM OPERATIONAL PERIOD (9 N. CLINTON AVENUE)
- DISSOLVED OXYGEN
- TOTAL BTEX (BENZENE, TOLUENE, ETHYLBENZENE AND XYLENE)
- TOTAL PAH (POLYCYCLIC AROMATIC HYDROCARBONS)

BAY SHORE/BRIGHTWATERS
FORMER MGP SITE
BAY SHORE, NEW YORK
nationalgrid
Project 093180-5-1506



**9 N. CLINTON AVENUE
OXYGEN INJECTION LINE
GROUNDWATER DATA**
September 2010 Figure 7



MAP LEGEND:

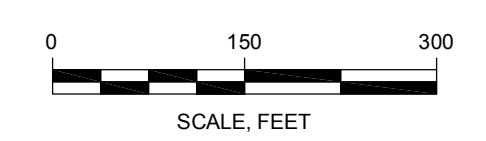
- ACTIVE MONITORING WELL LOCATION USED WATER TABLE, SHALLOW, INTERMEDIATE, INTERMEDIATE 2, DEEP
- ASSOCIATED TIME-SERIES CONCENTRATION GRAPH PROVIDED ON PLATE
- Q2 2010 INFERRED PLUME BOUNDARY
- APPROXIMATE GROUNDWATER FLOW DIRECTION

GRAPH LEGEND:

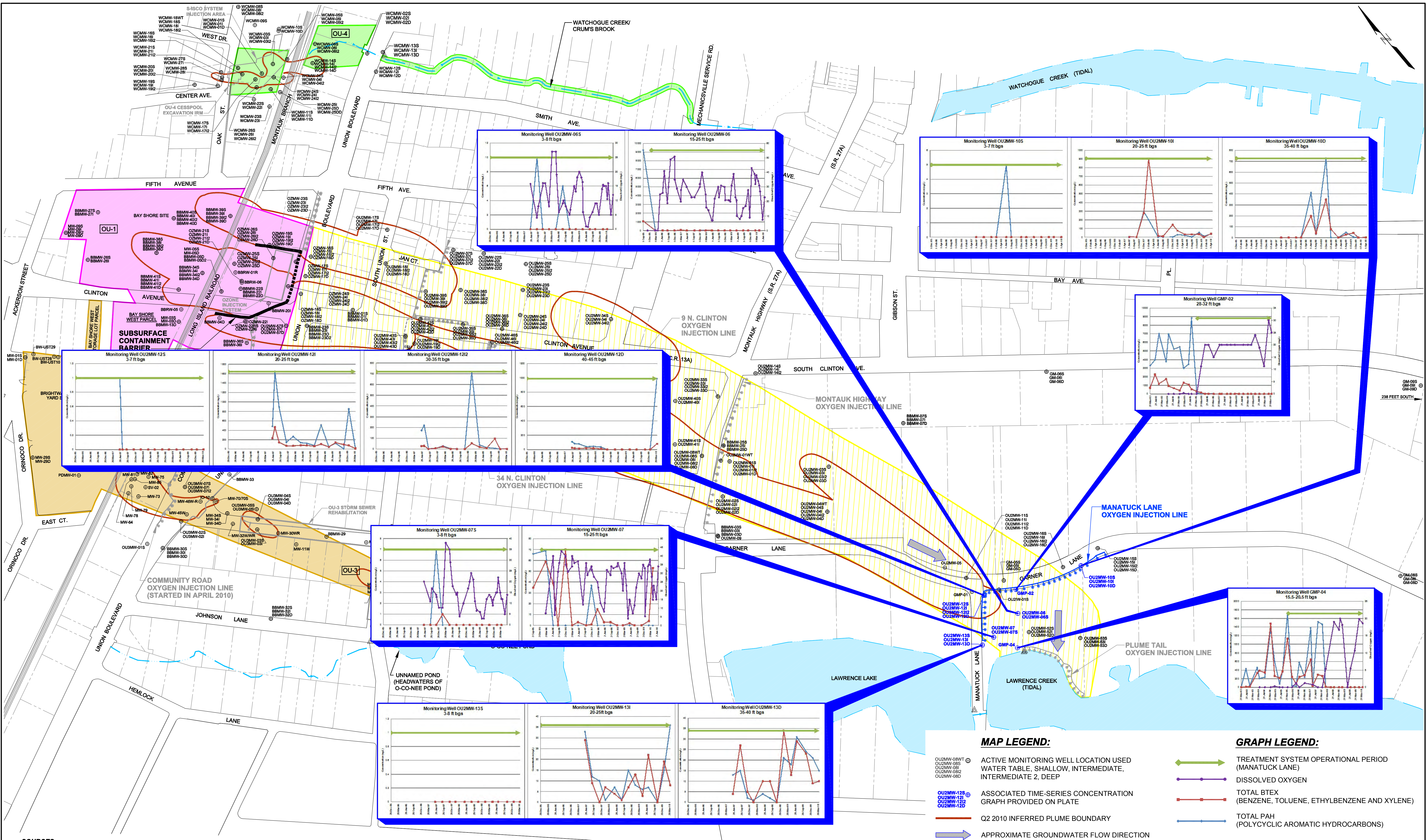
- TREATMENT SYSTEM OPERATIONAL PERIOD (MONTAUK HIGHWAY)
- DISSOLVED OXYGEN
- TOTAL BTX (BENZENE, TOLUENE, ETHYLBENZENE AND XYLENE)
- TOTAL PAH (POLYCYCLIC AROMATIC HYDROCARBONS)

- SOURCES:**
- MAP TITLED "BAY SHORE/BRIGHTWATERS, FORMER MGP SITE FINAL REMEDIAL INVESTIGATION, BAY SHORE, NEW YORK, OFF-SITE SAMPLE LOCATION MAP" DATED: SEPT. 2002 BY DVIRKA AND BARTILICCI.
 - 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.
 - 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.
 - 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 Project 093180-5-1506	 GEI Consultants 110 WALT WHITMAN ROAD SUITE 204 HUNTINGTON STATION, NY 11746	MONTAUK HIGHWAY OXYGEN INJECTION LINE GROUNDWATER INJECTION DATA September 2010 Figure 8
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MAP LEGEND:

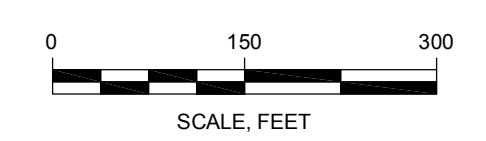
- ACTIVE MONITORING WELL LOCATION USED WATER TABLE, SHALLOW, INTERMEDIATE, INTERMEDIATE 2, DEEP
- ASSOCIATED TIME-SERIES CONCENTRATION GRAPH PROVIDED ON PLATE
- Q2 2010 INFERRED PLUME BOUNDARY
- APPROXIMATE GROUNDWATER FLOW DIRECTION

GRAPH LEGEND:

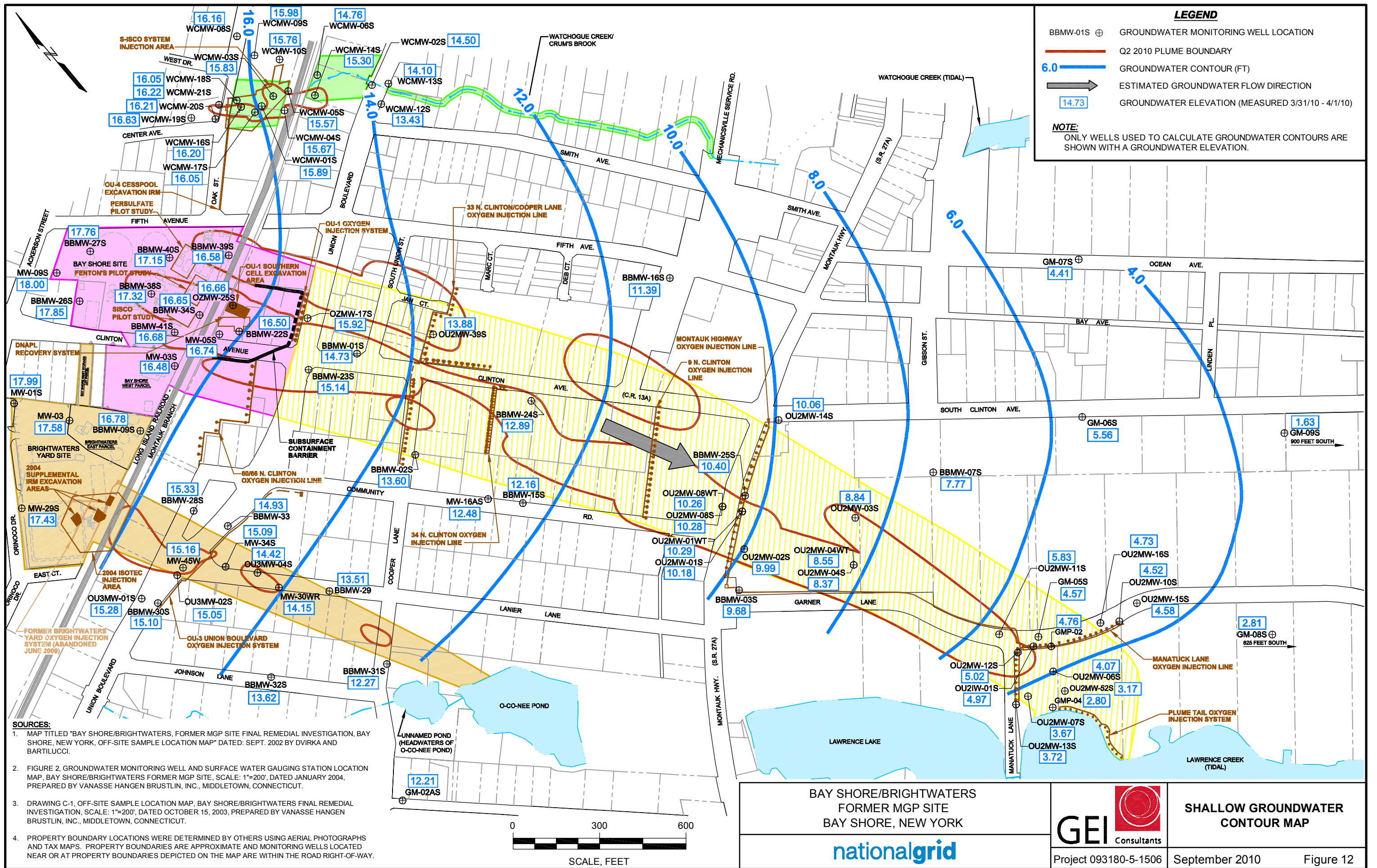
- TREATMENT SYSTEM OPERATIONAL PERIOD (MANATTUCK LANE)
- DISSOLVED OXYGEN
- TOTAL BTEX (BENZENE, TOLUENE, ETHYLBENZENE AND XYLENE)
- TOTAL PAH (POLYCYCLIC AROMATIC HYDROCARBONS)

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 BARTILICCI.
 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 Project 093180-5-1506	 110 WALT WHITMAN ROAD SUITE 204 HUNTINGTON STATION, NY 11746	MANATTUCK LANE OXYGEN INJECTION LINE GROUNDWATER DATA September 2010 Figure 9
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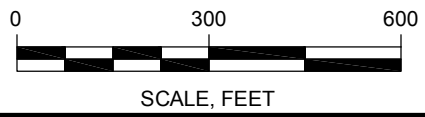


LEGEND

- BMW-01S ⊕ GROUNDWATER MONITORING WELL LOCATION
- Q2 2010 PLUME BOUNDARY
- 6.0 — GROUNDWATER CONTOUR (FT)
- ESTIMATED GROUNDWATER FLOW DIRECTION
- 14.73 GROUNDWATER ELEVATION (MEASURED 3/31/10 - 4/1/10)

NOTE:
ONLY WELLS USED TO CALCULATE GROUNDWATER CONTOURS ARE SHOWN WITH A GROUNDWATER ELEVATION.

- SOURCES:**
1. MAP TITLED "BAY SHORE/BRIGHTWATERS, FORMER MGP SITE FINAL REMEDIAL INVESTIGATION, BAY SHORE, NEW YORK, OFF-SITE SAMPLE LOCATION MAP" DATED: SEPT. 2002 BY DVIRKA AND BARTILUCCI.
 2. FIGURE 2, GROUNDWATER MONITORING WELL AND SURFACE WATER GAUGING STATION LOCATION MAP, BAY SHORE/BRIGHTWATERS FORMER MGP SITE, SCALE: 1"=200', DATED JANUARY 2004, PREPARED BY VANASSE HANGEN BRUSTLIN, INC., MIDDLETOWN, CONNECTICUT.
 3. DRAWING C-1, OFF-SITE SAMPLE LOCATION MAP, BAY SHORE/BRIGHTWATERS FINAL REMEDIAL INVESTIGATION, SCALE: 1"=200', DATED OCTOBER 15, 2003, PREPARED BY VANASSE HANGEN BRUSTLIN, INC., MIDDLETOWN, CONNECTICUT.
 4. PROPERTY BOUNDARY LOCATIONS WERE DETERMINED BY OTHERS USING AERIAL PHOTOGRAPHS AND TAX MAPS. PROPERTY BOUNDARIES ARE APPROXIMATE AND MONITORING WELLS LOCATED NEAR OR AT PROPERTY BOUNDARIES DEPICTED ON THE MAP ARE WITHIN THE ROAD RIGHT-OF-WAY.

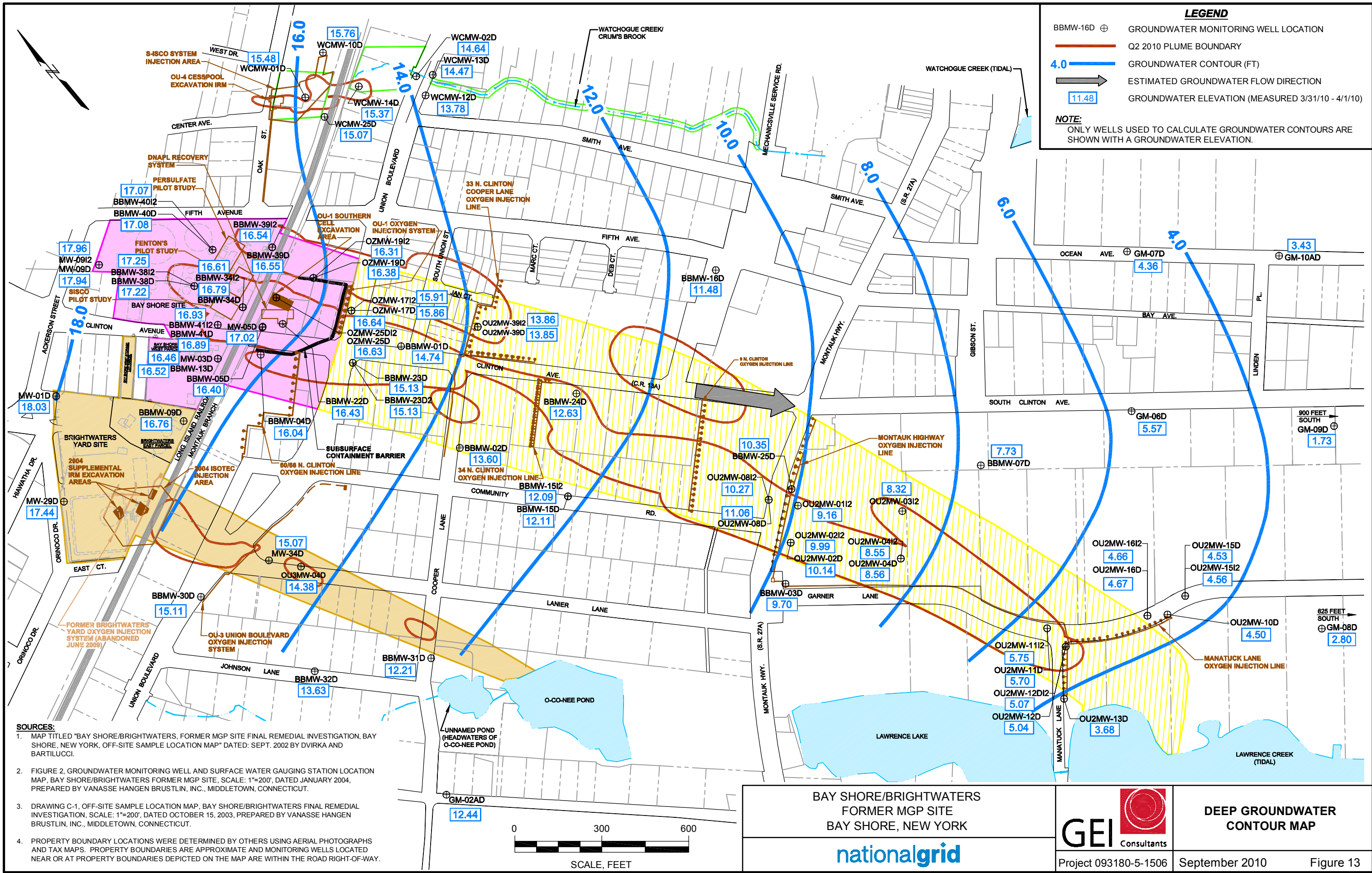


BAY SHORE/BRIGHTWATERS
FORMER MGP SITE
BAY SHORE, NEW YORK

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**SHALLOW GROUNDWATER
CONTOUR MAP**

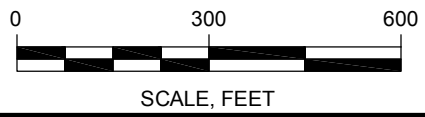


LEGEND

- BMW-16D ⊕ GROUNDWATER MONITORING WELL LOCATION
- Q2 2010 PLUME BOUNDARY
- 4.0 — GROUNDWATER CONTOUR (FT)
- ESTIMATED GROUNDWATER FLOW DIRECTION
- 11.48 GROUNDWATER ELEVATION (MEASURED 3/31/10 - 4/1/10)

NOTE:
ONLY WELLS USED TO CALCULATE GROUNDWATER CONTOURS ARE SHOWN WITH A GROUNDWATER ELEVATION.

- SOURCES:**
- MAP TITLED "BAY SHORE/BRIGHTWATERS, FORMER MGP SITE FINAL REMEDIAL INVESTIGATION, BAY SHORE, NEW YORK, OFF-SITE SAMPLE LOCATION MAP" DATED: SEPT. 2002 BY DVIRKA AND BARTILUCCI.
 - 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.
 - 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.
 - PROPERTY BOUNDARY LOCATIONS WERE DETERMINED BY OTHERS USING AERIAL PHOTOGRAPHS AND TAX MAPS. PROPERTY BOUNDARIES ARE APPROXIMATE AND MONITORING WELLS LOCATED NEAR OR AT PROPERTY BOUNDARIES DEPICTED ON THE MAP ARE WITHIN THE ROAD RIGHT-OF-WAY.



BAY SHORE/BRIGHTWATERS
FORMER MGP SITE
BAY SHORE, NEW YORK

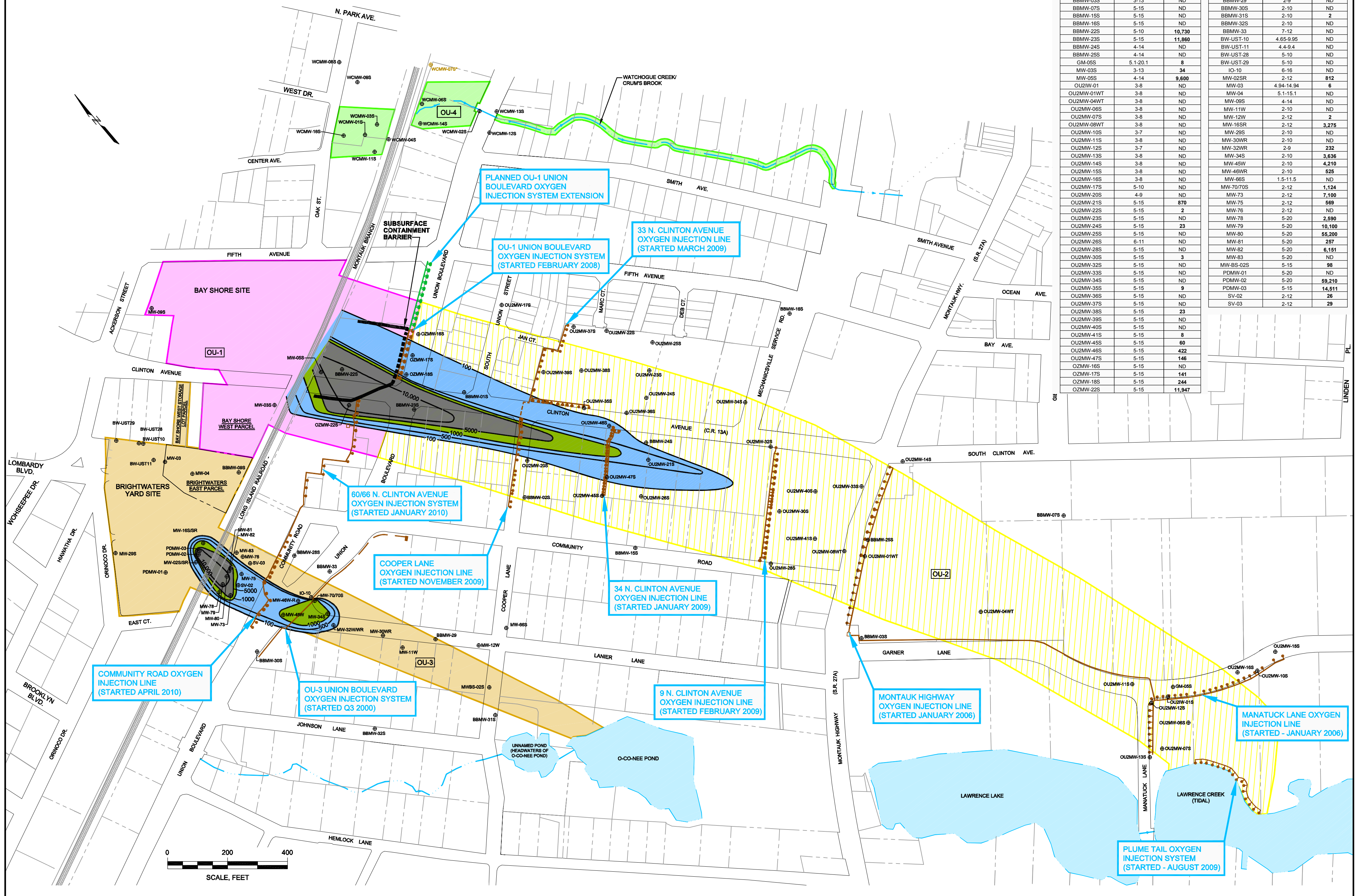
nationalgrid



**DEEP GROUNDWATER
CONTOUR MAP**

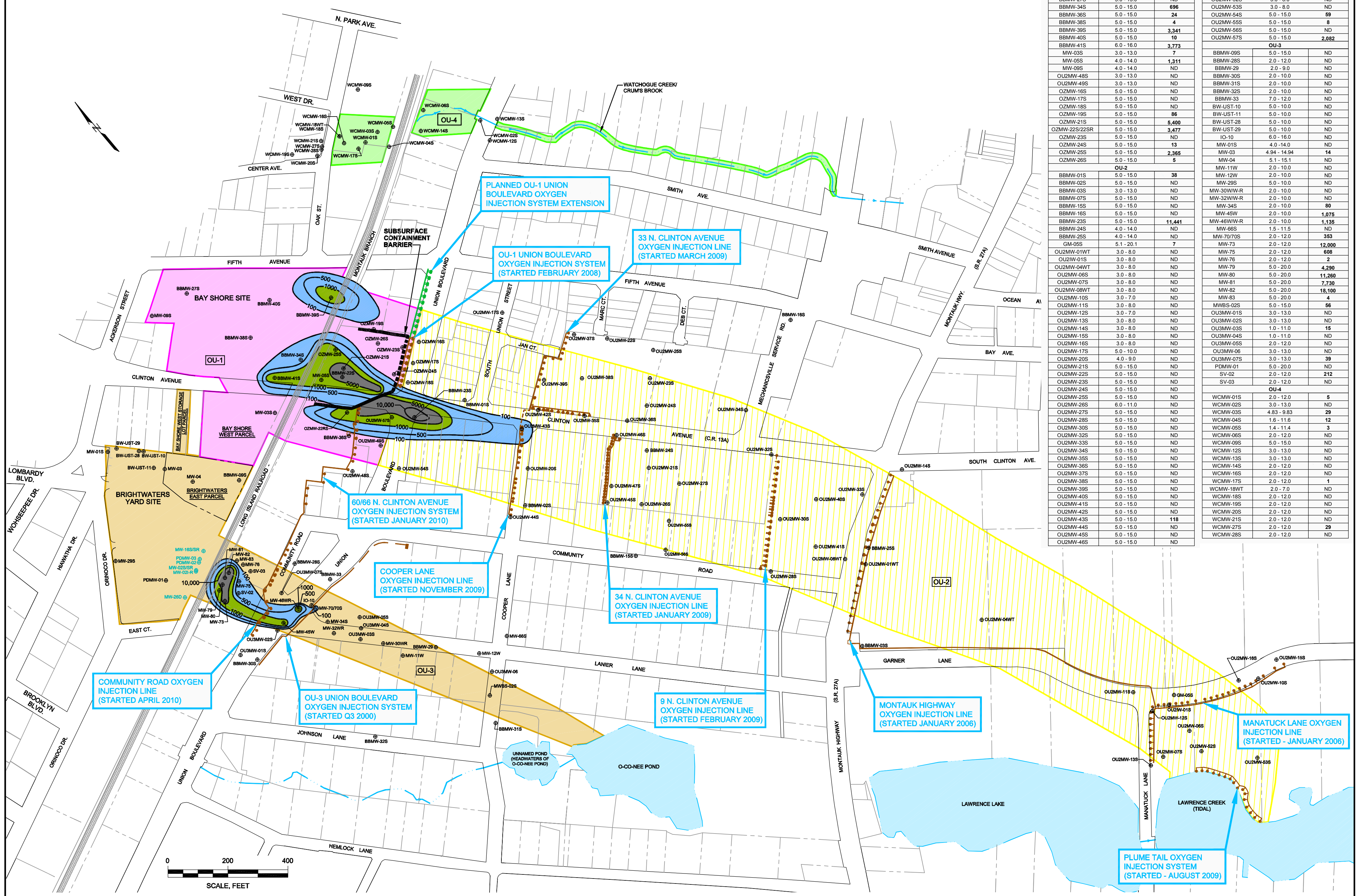
September 2010 Figure 13

Q1 2009



Q1 2009 Groundwater Monitoring Data			Q1 2009 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs)	Total BTEX (µg/L)	Monitoring Well ID	Screened Interval (feet bgs)	Total BTEX (µg/L)
BBMW-015	5-15	284	BBMW-095	5-15	ND
BBMW-025	5-15	ND	BBMW-285	2-12	ND
BBMW-035	3-13	ND	BBMW-295	2-8	ND
BBMW-075	5-15	ND	BBMW-305	2-10	ND
BBMW-155	5-15	ND	BBMW-315	2-10	2
BBMW-165	5-10	ND	BBMW-325	2-10	ND
BBMW-225	5-10	10,730	BBMW-33	7-12	ND
BBMW-235	5-15	11,860	BW-UST-10	4.65-9.95	ND
BBMW-245	4-14	ND	BW-UST-11	4.4-24	ND
BBMW-265	4-14	ND	BW-UST-26	5-10	ND
GM-055	5.1-20.1	8	BW-UST-29	5-10	ND
MW-035	3-13	34	O-10	6-16	ND
MW-055	4-14	8,600	MW-025R	2-12	812
OZUM-01	3-8	ND	MW-03	4.94-14.94	6
OZUM-01WT	3-8	ND	MW-04	5.1-15.1	ND
OZUM-045	3-8	ND	MW-05	4.14	ND
OZUM-085	3-8	ND	MW-11W	2-10	ND
OZUM-075	3-8	ND	MW-12W	2-12	2
OZUM-105	3-7	ND	MW-155R	2-12	3,275
OZUM-115	3-8	ND	MW-205	2-10	ND
OZUM-125	3-7	ND	MW-215	2-10	ND
OZUM-135	3-8	ND	MW-245	2-10	3,638
OZUM-145	3-8	ND	MW-45W	1-10	4,210
OZUM-155	3-8	ND	MW-46W	2-10	835
OZUM-165	3-8	ND	MW-46R	2-12	233
OZUM-175	5-10	ND	MW-65	1.5-11.5	ND
OZUM-205	4-9	ND	MW-70	2-12	1,124
OZUM-215	5-15	870	MW-75	2-12	7,100
OZUM-225	5-15	2	MW-76	2-12	569
OZUM-235	5-15	ND	MW-78	5-20	2,990
OZUM-245	5-15	23	MW-79	5-20	18,100
OZUM-255	5-15	ND	MW-80	5-20	85,200
OZUM-265	6-11	ND	MW-81	5-20	297
OZUM-285	5-15	ND	MW-82	5-20	6,154
OZUM-305	5-15	3	MW-83	5-20	ND
OZUM-325	5-15	ND	MW-85-025	5-15	96
OZUM-335	5-15	ND	PDMM-01	5-20	ND
OZUM-345	5-15	ND	PDMM-02	5-20	89,210
OZUM-355	5-15	9	PDMM-03	5-15	14,511
OZUM-365	5-15	ND	SV-05	2-12	26
OZUM-375	5-15	ND	SV-05	2-12	29
OZUM-385	5-15	23			
OZUM-395	5-15	ND			
OZUM-405	5-15	ND			
OZUM-415	5-15	8			
OZUM-455	5-15	60			
OZUM-465	5-15	422			
OZUM-475	5-15	146			
OZUM-165	5-15	ND			
OZUM-175	5-15	141			
OZUM-185	5-15	244			
OZUM-225	5-15	11,847			

Q2 2010



Q2 2010 Groundwater Monitoring Data			Q2 2010 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs)	Total BTEX (µg/L)	Monitoring Well ID	Screened Interval (feet bgs)	Total BTEX (µg/L)
BBMW-225	5.0-15.0	9,280	OZUM-475	5.0-15.0	ND
BBMW-340	5.0-15.0	696	OZUM-525	3.0-8.0	ND
BBMW-365	5.0-15.0	24	OZUM-535	3.0-8.0	ND
BBMW-385	5.0-15.0	4	OZUM-545	5.0-15.0	89
BBMW-395	5.0-15.0	3,341	OZUM-555	5.0-15.0	8
BBMW-405	5.0-15.0	10	OZUM-565	5.0-15.0	ND
BBMW-415	6.0-16.0	3,273	OZUM-575	5.0-15.0	2,082
MW-035	3.0-13.0	7			
MW-055	4.0-14.0	1,311	BBMW-095	5.0-15.0	ND
MW-065	4.0-14.0	ND	BBMW-285	2.0-12.0	ND
OZUM-485	3.0-13.0	ND	BBMW-29	2.0-8.0	ND
OZUM-495	3.0-13.0	ND	BBMW-305	2.0-10.0	ND
OZUM-165	5.0-15.0	ND	BBMW-315	2.0-10.0	ND
OZUM-175	5.0-15.0	ND	BBMW-325	2.0-10.0	ND
OZUM-185	5.0-15.0	ND	BBMW-33	7.0-12.0	ND
OZUM-215	5.0-15.0	88	BW-UST-10	5.0-10.0	ND
OZUM-215R	5.0-15.0	6,400	BW-UST-11	5.0-10.0	ND
OZUM-225R	5.0-15.0	3,477	BW-UST-26	5.0-10.0	ND
OZUM-195	5.0-15.0	ND	BW-UST-29	5.0-10.0	ND
OZUM-245	5.0-15.0	13	O-10	6.0-16.0	ND
OZUM-255	5.0-15.0	2,365	MW-015	4.0-14.0	ND
OZUM-265	5.0-15.0	5	MW-03	4.94-14.94	14
			MW-04	5.1-15.1	ND
			MW-11W	2.0-10.0	ND
BBMW-015	5.0-15.0	38	MW-12W	2.0-10.0	ND
BBMW-025	5.0-15.0	ND	MW-265	5.0-10.0	ND
BBMW-035	3.0-13.0	ND	MW-30W-R	2.0-10.0	ND
BBMW-075	5.0-15.0	ND	MW-32W-R	2.0-10.0	ND
BBMW-155	5.0-15.0	ND	MW-345	2.0-10.0	96
BBMW-165	5.0-15.0	ND	MW-45W	2.0-10.0	1,075
BBMW-235	5.0-15.0	11,441	MW-46W-R	2.0-10.0	1,135
BBMW-245	4.0-14.0	ND	MW-65	5.1-15.1	ND
BBMW-265	4.0-14.0	ND	MW-70/705	2.0-12.0	385
GM-055	5.1-20.1	7	MW-73	2.0-12.0	12,000
OZUM-01WT	3.0-8.0	ND	MW-75	2.0-12.0	608
OZUM-015	3.0-8.0	ND	MW-76	2.0-12.0	2
OZUM-04WT	3.0-8.0	ND	MW-79	5.0-20.0	4,280
OZUM-065	3.0-8.0	ND	MW-80	5.0-20.0	11,260
OZUM-075	3.0-8.0	ND	MW-81	5.0-20.0	7,730
OZUM-08WT	3.0-8.0	ND	MW-82	5.0-20.0	18,100
OZUM-105	3.0-7.0	ND	MW-83	5.0-20.0	4
OZUM-115	3.0-8.0	ND	MW-85-025	5.0-15.0	96
OZUM-125	3.0-7.0	ND	OZUM-015	3.0-13.0	ND
OZUM-135	3.0-8.0	ND	OZUM-025	3.0-13.0	ND
OZUM-145	3.0-8.0	ND	OZUM-035	1.0-11.0	15
OZUM-155	3.0-8.0	ND	OZUM-045	1.0-11.0	ND
OZUM-165	3.0-8.0	ND	OZUM-055	2.0-12.0	ND
OZUM-175	5.0-15.0	ND	OZUM-065	3.0-13.0	ND
OZUM-205	4.0-8.0	ND	OZUM-075	3.0-13.0	39
OZUM-215	5.0-15.0	ND	PDMM-01	5.0-20.0	ND
OZUM-225	5.0-15.0	ND	SV-02	2.0-12.0	212
OZUM-235	5.0-15.0	ND	SV-03	2.0-12.0	ND
OZUM-245	5.0-15.0	ND			
OZUM-255	5.0-15.0	ND	WCMW-015	2.0-12.0	5
OZUM-265	6.0-11.0	ND	WCMW-025	3.0-13.0	ND
OZUM-275	5.0-15.0	ND	WCMW-035	4.83-9.83	29
OZUM-285	5.0-15.0	ND	WCMW-045	1.6-11.6	12
OZUM-305	5.0-15.0	ND	WCMW-055	1.4-11.4	3
OZUM-325	5.0-15.0	ND	WCMW-065	2.0-12.0	ND
OZUM-335	5.0-15.0	ND	WCMW-065	5.0-15.0	ND
OZUM-345	5.0-15.0	ND	WCMW-125	3.0-13.0	ND
OZUM-355	5.0-15.0	ND	WCMW-135	3.0-13.0	ND
OZUM-365	5.0-15.0	ND	WCMW-145	2.0-12.0	ND
OZUM-375	5.0-15.0	ND	WCMW-165	2.0-12.0	ND
OZUM-385	5.0-15.0	ND	WCMW-175	2.0-12.0	1
OZUM-395	5.0-15.0	ND	WCMW-185	2.0-12.0	ND
OZUM-405	5.0-15.0	ND	WCMW-195	2.0-12.0	ND
OZUM-415	5.0-15.0	ND	WCMW-205	2.0-12.0	ND
OZUM-445	5.0-15.0	118	WCMW-215	2.0-12.0	ND
OZUM-455	5.0-15.0	ND	WCMW-275	2.0-12.0	29
OZUM-465	5.0-15.0	ND	WCMW-285	2.0-12.0	ND

LEGEND:

- BBMW-33 EXISTING MONITORING WELL CLUSTER LOCATION
- PDMM-02 ABANDONED MONITORING WELL LOCATION
- WCMW-075 MONITORING WELL LOCATION UNKNOWN
- ISO-CONCENTRATION LINE (µg/L)
- µg/L MICROGRAMS PER LITER
- BTEX TOTAL BTEX ≥ 100 µg/L
- BTEX TOTAL BTEX ≥ 1,000 µg/L
- BTEX TOTAL BTEX ≥ 5,000 µg/L
- BENZENE, TOLUENE, ETHYLBENZENE AND XYLENE
- 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

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

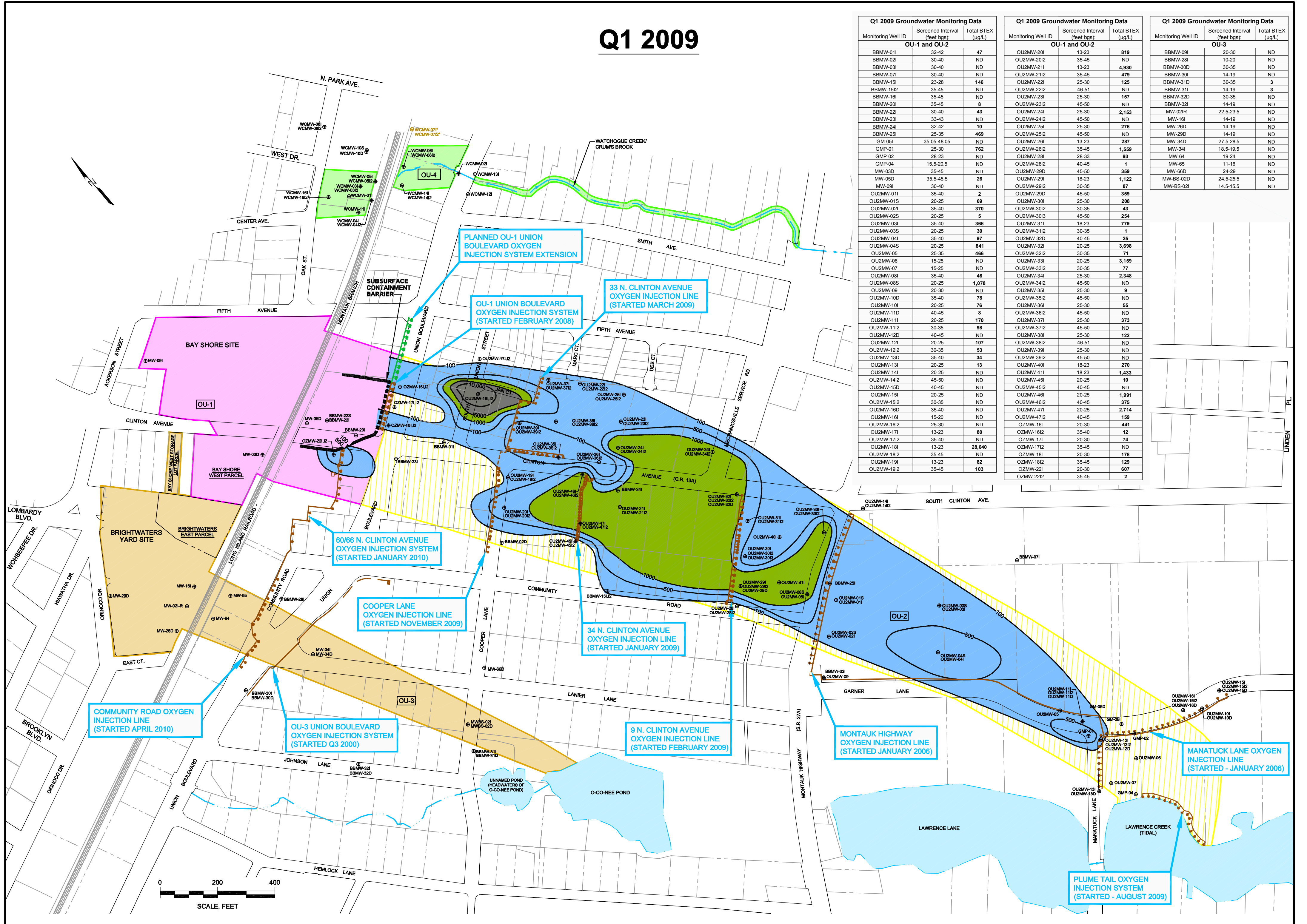
Project 093180-5-1506

110 WALT WHITMAN ROAD
SUITE 204
HUNTINGTON STATION, NY 11746

**WATER TABLE GROUNDWATER
BTEX ISO-CONCENTRATION MAP
(0-10 FEET BGS)
Q1 2009/Q2 2010 DATA**

September 2010 Figure 14

Q1 2009

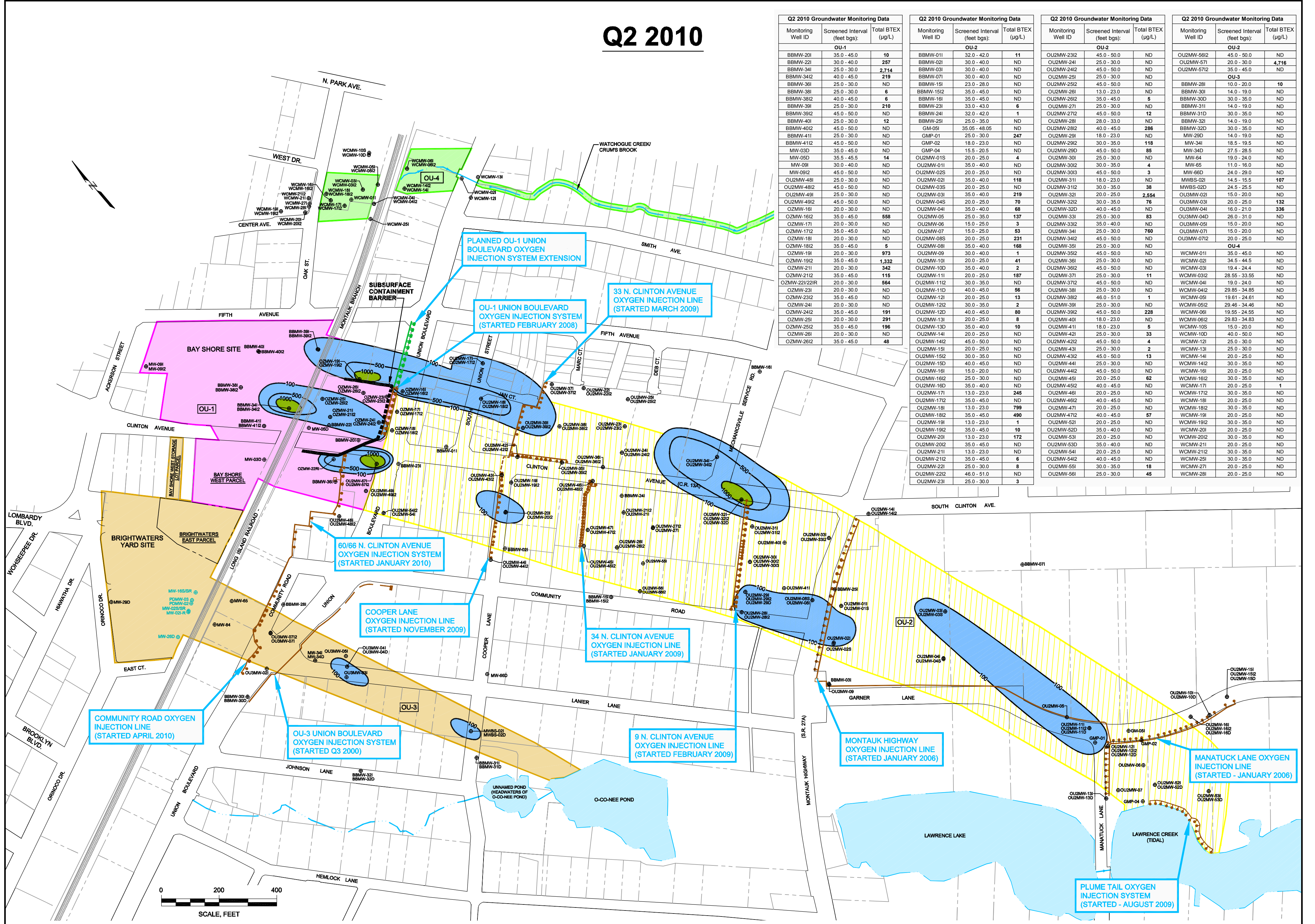


Q1 2009 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs)	Total BTEX (µg/L)
BBMW-01	32-42	47
BBMW-02	30-40	ND
BBMW-03	30-40	ND
BBMW-04	30-40	ND
BBMW-05	30-40	ND
BBMW-06	23-28	146
BBMW-07	35-45	ND
BBMW-08	35-45	ND
BBMW-09	35-45	ND
BBMW-10	35-45	ND
BBMW-11	35-45	ND
BBMW-12	35-45	ND
BBMW-13	35-45	ND
BBMW-14	35-45	ND
BBMW-15	35-45	ND
BBMW-16	35-45	ND
BBMW-17	35-45	ND
BBMW-18	35-45	ND
BBMW-19	35-45	ND
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BBMW-23	35-45	ND
BBMW-24	35-45	ND
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BBMW-39	35-45	ND
BBMW-40	35-45	ND
BBMW-41	35-45	ND
BBMW-42	35-45	ND
BBMW-43	35-45	ND
BBMW-44	35-45	ND
BBMW-45	35-45	ND
BBMW-46	35-45	ND
BBMW-47	35-45	ND
BBMW-48	35-45	ND
BBMW-49	35-45	ND
BBMW-50	35-45	ND
BBMW-51	35-45	ND
BBMW-52	35-45	ND
BBMW-53	35-45	ND
BBMW-54	35-45	ND
BBMW-55	35-45	ND
BBMW-56	35-45	ND
BBMW-57	35-45	ND
BBMW-58	35-45	ND
BBMW-59	35-45	ND
BBMW-60	35-45	ND
BBMW-61	35-45	ND
BBMW-62	35-45	ND
BBMW-63	35-45	ND
BBMW-64	35-45	ND
BBMW-65	35-45	ND
BBMW-66	35-45	ND
BBMW-67	35-45	ND
BBMW-68	35-45	ND
BBMW-69	35-45	ND
BBMW-70	35-45	ND
BBMW-71	35-45	ND
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BBMW-73	35-45	ND
BBMW-74	35-45	ND
BBMW-75	35-45	ND
BBMW-76	35-45	ND
BBMW-77	35-45	ND
BBMW-78	35-45	ND
BBMW-79	35-45	ND
BBMW-80	35-45	ND
BBMW-81	35-45	ND
BBMW-82	35-45	ND
BBMW-83	35-45	ND
BBMW-84	35-45	ND
BBMW-85	35-45	ND
BBMW-86	35-45	ND
BBMW-87	35-45	ND
BBMW-88	35-45	ND
BBMW-89	35-45	ND
BBMW-90	35-45	ND
BBMW-91	35-45	ND
BBMW-92	35-45	ND
BBMW-93	35-45	ND
BBMW-94	35-45	ND
BBMW-95	35-45	ND
BBMW-96	35-45	ND
BBMW-97	35-45	ND
BBMW-98	35-45	ND
BBMW-99	35-45	ND
BBMW-100	35-45	ND

Q1 2009 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs)	Total BTEX (µg/L)
OZUMW-01	13-23	819
OZUMW-02	35-45	ND
OZUMW-03	13-23	4,892
OZUMW-04	35-45	479
OZUMW-05	25-30	125
OZUMW-06	13-23	ND
OZUMW-07	25-30	197
OZUMW-08	45-50	ND
OZUMW-09	25-30	2,183
OZUMW-10	45-50	ND
OZUMW-11	25-30	276
OZUMW-12	45-50	ND
OZUMW-13	13-23	1,559
OZUMW-14	25-30	93
OZUMW-15	45-50	1
OZUMW-16	18-23	359
OZUMW-17	30-35	1,122
OZUMW-18	45-50	359
OZUMW-19	25-30	208
OZUMW-20	30-35	43
OZUMW-21	45-50	254
OZUMW-22	18-23	779
OZUMW-23	30-35	1
OZUMW-24	45-50	25
OZUMW-25	20-25	3,688
OZUMW-26	30-35	71
OZUMW-27	45-50	3,159
OZUMW-28	30-35	77
OZUMW-29	25-30	2,348
OZUMW-30	45-50	15
OZUMW-31	25-30	9
OZUMW-32	45-50	ND
OZUMW-33	45-50	ND
OZUMW-34	25-30	373
OZUMW-35	45-50	ND
OZUMW-36	25-30	122
OZUMW-37	45-50	46-51
OZUMW-38	25-30	ND
OZUMW-39	45-50	ND
OZUMW-40	18-23	270
OZUMW-41	18-23	1,433
OZUMW-42	20-25	19
OZUMW-43	40-45	ND
OZUMW-44	20-25	1,971
OZUMW-45	40-45	3,159
OZUMW-46	20-25	2,714
OZUMW-47	40-45	159
OZUMW-48	20-25	441
OZUMW-49	35-40	12
OZUMW-50	20-25	74
OZUMW-51	20-25	178
OZUMW-52	35-45	129
OZUMW-53	35-45	687
OZUMW-54	35-45	2

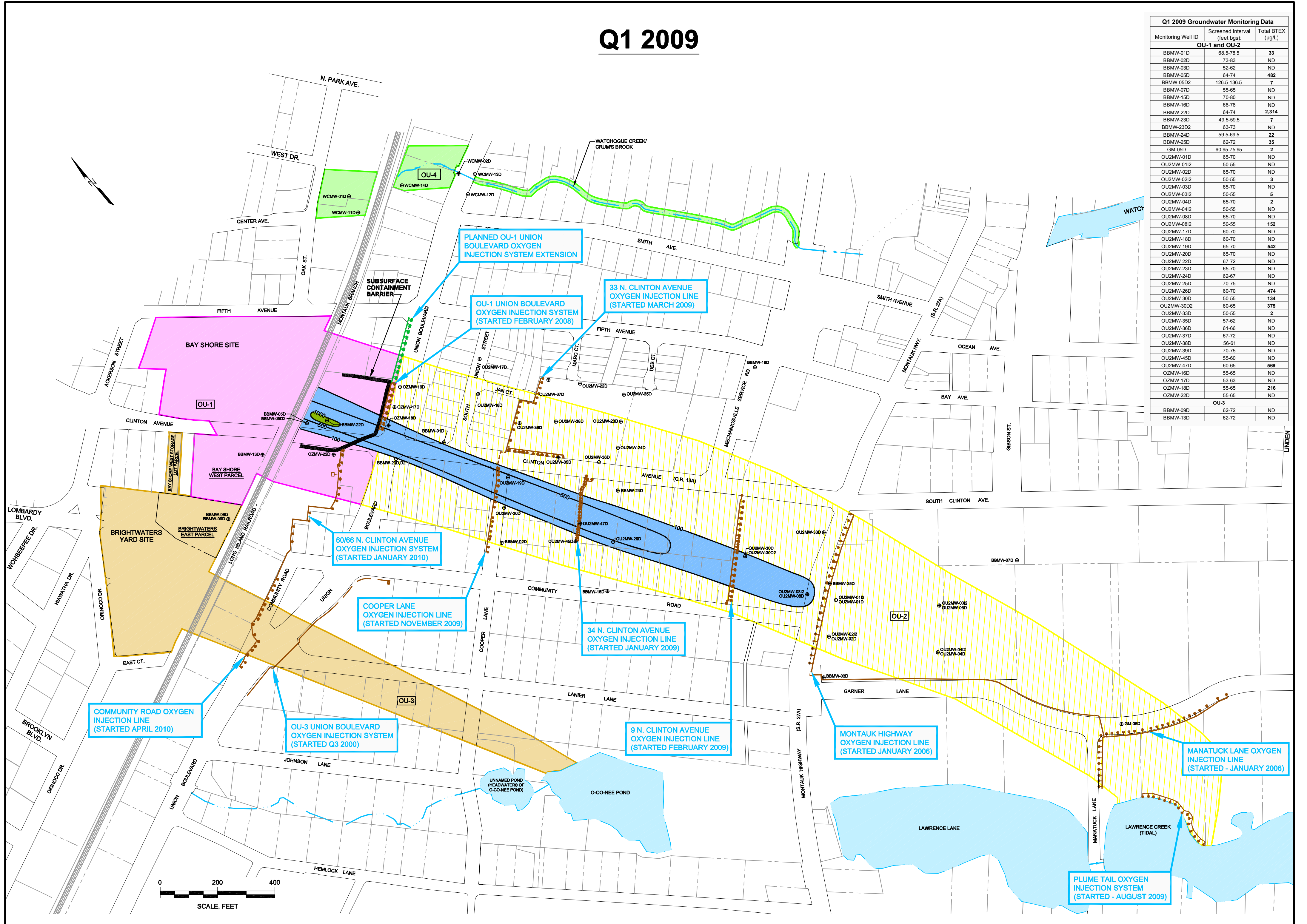
Q1 2009 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs)	Total BTEX (µg/L)
BBMW-98	20-30	ND
BBMW-99	10-20	ND
BBMW-100	30-35	ND
BBMW-101	14-19	3
BBMW-102	30-35	ND
BBMW-103	14-19	ND
BBMW-104	14-19	ND
BBMW-105	14-19	ND
BBMW-106	14-19	ND
BBMW-107	14-19	ND
BBMW-108	14-19	ND
BBMW-109	14-19	ND
BBMW-110	14-19	ND
BBMW-111	14-19	ND
BBMW-112	14-19	ND
BBMW-113	14-19	ND
BBMW-114	14-19	ND
BBMW-115	14-19	ND
BBMW-116	14-19	ND
BBMW-117	14-19	ND
BBMW-118	14-19	ND
BBMW-119	14-19	ND
BBMW-120	14-19	ND
BBMW-121	14-19	ND
BBMW-122	14-19	ND
BBMW-123	14-19	ND
BBMW-124	14-19	ND
BBMW-125	14-19	ND
BBMW-126	14-19	ND
BBMW-127	14-19	ND
BBMW-128	14-19	ND
BBMW-129	14-19	ND
BBMW-130	14-19	ND
BBMW-131	14-19	ND
BBMW-132	14-19	ND
BBMW-133	14-19	ND
BBMW-134	14-19	ND
BBMW-135	14-19	ND
BBMW-136	14-19	ND
BBMW-137	14-19	ND
BBMW-138	14-19	ND
BBMW-139	14-19	ND
BBMW-140	14-19	ND
BBMW-141	14-19	ND
BBMW-142	14-19	ND
BBMW-143	14-19	ND
BBMW-144	14-19	ND
BBMW-145	14-19	ND
BBMW-146	14-19	ND
BBMW-147	14-19	ND
BBMW-148	14-19	ND
BBMW-149	14-19	ND
BBMW-150	14-19	ND
BBMW-151	14-19	ND
BBMW-152	14-19	ND
BBMW-153	14-19	ND
BBMW-154	14-19	ND
BBMW-155	14-19	ND
BBMW-156	14-19	ND
BBMW-157	14-19	ND
BBMW-158	14-19	ND
BBMW-159	14-19	ND
BBMW-160	14-19	ND

Q2 2010



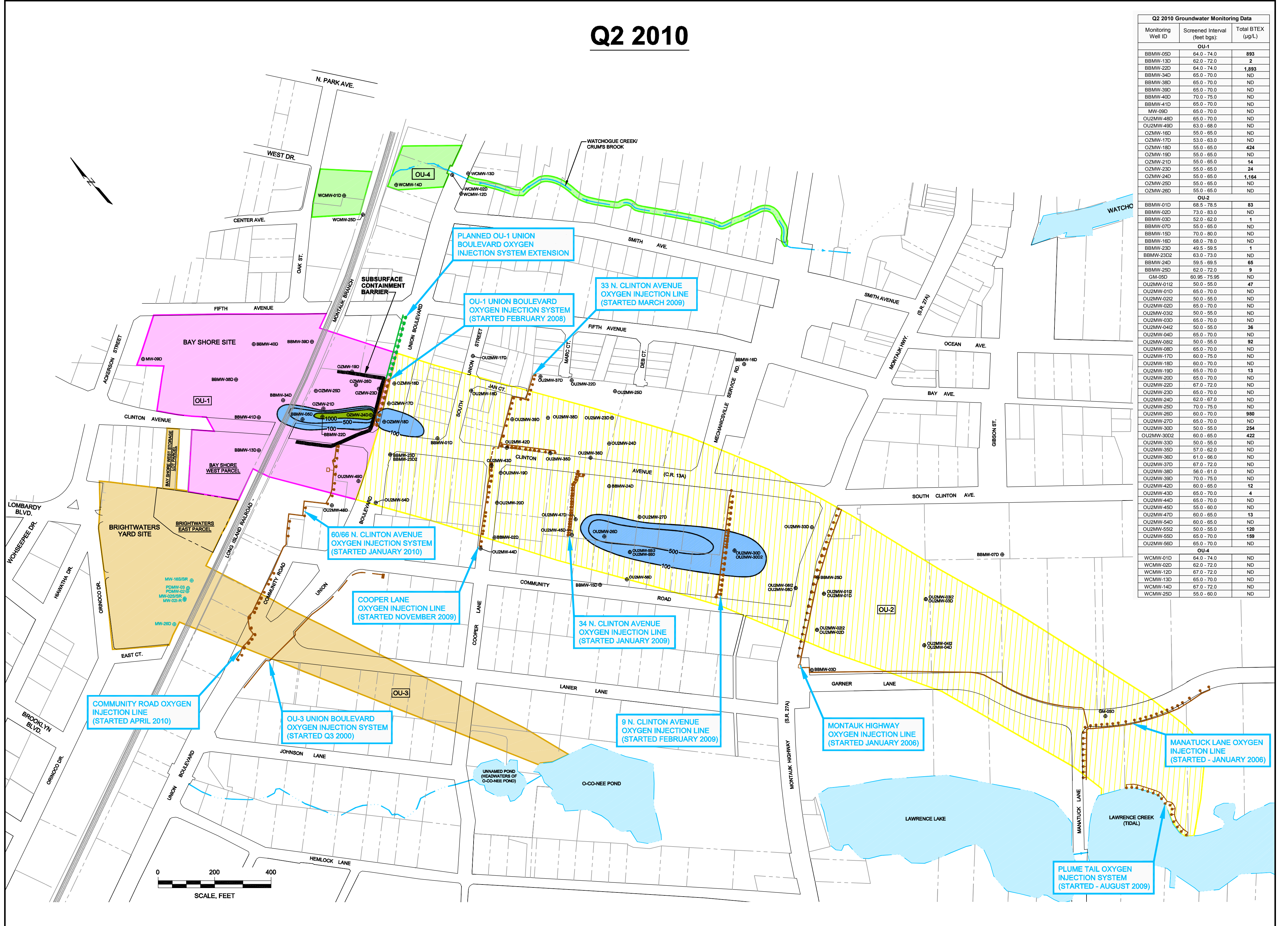
Q2 2010 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs)	Total BTEX (µg/L)
BBMW-20	35.0 - 45.0	10
BBMW-21	30.0 - 40.0	287
BBMW-34	25.0 - 30.0	3,714
BBMW-342	40.0 - 45.0	219
BBMW-36	25.0 - 30.0	ND
BBMW-38	25.0 - 30.0	6
BBMW-382	40.0 - 45.0	6
BBMW-39	25.0 - 30.0	219
BBMW-392	45.0 - 50.0	ND
BBMW-40	25.0 - 30.0	12
BBMW-402	45.0 - 50.0	ND
BBMW-41	25.0 - 30.0	ND
BBMW-412	45.0 - 50.0	ND
BBMW-42	35.0 - 45.0	ND
BBMW-422	45.0 - 50.0	ND
BBMW-48	25.0 - 30.0	ND
BBMW-482	45.0 - 50.0	ND
BBMW-49	25.0 - 30.0	ND
BBMW-492	45.0 - 50.0	ND
BBMW-172	20.0 - 30.0	ND
BBMW-182	35.0 - 45.0	588
BBMW-192	35.0 - 45.0	191
BBMW-212	35.0 - 45.0	115
BBMW-222	20.0 - 30.0	864
BBMW-232	20.0 - 30.0	342
BBMW-242	35.0 - 45.0	191
BBMW-252	35.0 - 45.0	191
BBMW-262	35.0 - 45.0	48
BBMW-011	32.0 - 42.0	11
BBMW-021	30.0 - 40.0	ND
BBMW-071	30.0 - 40.0	ND
BBMW-151	23.0 - 28.0	ND
BBMW-161	35.0 - 45.0	ND
BBMW-191	32.0 - 42.0	1
BBMW-251	25.0 - 35.0	ND
GMP-01	35.05 - 45.05	ND
GMP-02	18.0 - 23.0	ND
GMP-04	15.0 - 20.0	ND
OZUMW-015	20.0 - 25.0	4
OZUMW-011	35.0 - 40.0	ND
OZUMW-021	15.0 - 20.0	4
OZUMW-031	35.0 - 40.0	118
OZUMW-035	20.0 - 25.0	ND
OZUMW-039	15.0 - 20.0	79
OZUMW-044	35.0 - 40.0	68
OZUMW-051	25.0 - 30.0	137
OZUMW-056	15.0 - 20.0	3
OZUMW-077	15.0 - 20.0	83
OZUMW-085	20.0 - 25.0	231
OZUMW-101	35.0 - 40.0	2
OZUMW-109	30.0 - 40.0	168
OZUMW-112	20.0 - 25.0	187
OZUMW-110	40.0 - 45.0	86
OZUMW-113	20.0 - 25.0	13
OZUMW-122	30.0 - 35.0	2
OZUMW-120	40.0 - 45.0	89
OZUMW-130	20.0 - 25.0	8
OZUMW-131	35.0 - 40.0	10
OZUMW-141	20.0 - 25.0	ND
OZUMW-142	45.0 - 50.0	ND
OZUMW-151	20.0 - 25.0	ND
OZUMW-152	30.0 - 35.0	ND
OZUMW-153	40.0 - 45.0	ND
OZUMW-154	40.0 - 45.0	ND
OZUMW-155	15.0 - 20.0	ND
OZUMW-156	25.0 - 30.0	ND
OZUMW-157	35.0 - 40.0	ND
OZUMW-158	13.0 - 23.0	245
OZUMW-159	13.0 - 23.0	799
OZUMW-182	35.0 - 45.0	490
OZUMW-181	13.0 - 23.0	1
OZUMW-182	35.0 - 45.0	10
OZUMW-183	13.0 - 23.0	172
OZUMW-202	35.0 - 45.0	ND
OZUMW-211	13.0 - 23.0	ND
OZUMW-212	35.0 - 45.0	6
OZUMW-221	25.0 - 30.0	18
OZUMW-222	45.0 - 51.0	ND
OZUMW-231	25.0 - 30.0	3
OZUMW-232	45.0 - 50.0	ND
OZUMW-233	25.0 - 30.0	3
OZUMW-234	45.0 - 50.0	ND
OZUMW-235	25.0 - 30.0	ND
OZUMW-236	45.0 - 50.0	ND
OZUMW-237	25.0 - 30.0	ND
OZUMW-238	45.0 - 50.0	ND
OZUMW-239	25.0 - 30.0	ND
OZUMW-240	45.0 - 50.0	ND
OZUMW-241	25.0 - 30.0	ND
OZUMW-242	45.0 - 50.0	ND
OZUMW-243	25.0 - 30.0	ND
OZUMW-244	45.0 - 50.0	ND
OZUMW-245	25.0 - 30.0	ND
OZUMW-246	45.0 - 50.0	ND
OZUMW-247	25.0 - 30.0	ND
OZUMW-248	45.0 - 50.0	ND
OZUMW-249	25.0 - 30.0	ND
OZUMW-250	45.0 - 50.0	ND
OZUMW-251	25.0 - 30.0	ND
OZUMW-252	45.0 - 50.0	ND
OZUMW-253	25.0 - 30.0	ND
OZUMW-254	45.0 - 50.0	ND
OZUMW-255	25.0 - 30.0	ND
OZUMW-256	45.0 - 50.0	ND
OZUMW-257	25.0 - 30.0	ND
OZUMW-258	45.0 - 50.0	ND
OZUMW-259	25.0 - 30.0	ND
OZUMW-260	45.0 - 50.0	ND
OZUMW-261	25.0 - 30.0	ND
OZUMW-262	45.0 - 50.0	ND
OZUMW-263	25.0 - 30.0	ND
OZUMW-264	45.0 - 50.0	ND
OZUMW-265	25.0 - 30.0	ND
OZUMW-266	45.0 - 50.0	ND
OZUMW-267	25.0 - 30.0	ND
OZUMW-268	45.0 - 50.0	ND
OZUMW-269	25.0 - 30.0	ND
OZUMW-270	45.0 - 50.0	ND
OZUMW-271	25.0 - 30.0	ND
OZUMW-272	45.0 - 50.0	ND
OZUMW-273		

Q1 2009



Q1 2009 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs)	Total BTEX (µg/L)
OU-1 and OU-2		
BBMW-010	88.5-78.5	33
BBMW-020	73.83	ND
BBMW-030	52.82	ND
BBMW-050	64.74	482
BBMW-0502	128.5-136.5	7
BBMW-070	55.65	ND
BBMW-150	72.80	ND
BBMW-160	68.78	ND
BBMW-220	64.74	2,314
BBMW-230	49.5-59.5	7
BBMW-240	59.5-59.5	22
BBMW-250	62.72	25
GM-050	60.95-75.95	2
OU2MW-010	65.70	ND
OU2MW-012	65.70	ND
OU2MW-020	65.70	ND
OU2MW-022	65.70	3
OU2MW-032	50.55	8
OU2MW-040	65.70	2
OU2MW-042	50.55	ND
OU2MW-050	65.70	ND
OU2MW-062	50.55	182
OU2MW-170	60.70	ND
OU2MW-180	60.70	ND
OU2MW-190	65.70	542
OU2MW-200	65.70	ND
OU2MW-220	67.72	ND
OU2MW-230	65.70	ND
OU2MW-240	62.67	ND
OU2MW-250	70.75	ND
OU2MW-260	60.70	474
OU2MW-300	50.55	134
OU2MW-3002	60.65	378
OU2MW-330	50.55	2
OU2MW-340	57.62	ND
OU2MW-350	61.66	ND
OU2MW-360	70.75	ND
OU2MW-450	55.60	ND
OU2MW-470	60.65	569
OU2MW-160	55.65	ND
OU2MW-170	53.63	ND
OU2MW-180	55.65	216
OU2MW-220	55.65	ND
OU-4		
BBMW-090	62.72	ND
BBMW-130	62.72	ND

Q2 2010



Q2 2010 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs)	Total BTEX (µg/L)
OU-1		
BBMW-050	64.0-74.0	893
BBMW-130	62.0-72.0	2
BBMW-220	64.0-74.0	1,883
BBMW-340	65.0-70.0	ND
BBMW-350	65.0-70.0	ND
BBMW-360	65.0-70.0	ND
BBMW-400	70.0-75.0	ND
BBMW-410	65.0-70.0	ND
MW-090	65.0-70.0	ND
OU2MW-480	65.0-70.0	ND
OU2MW-490	63.0-68.0	ND
OU2MW-160	55.0-65.0	ND
OU2MW-170	53.0-63.0	ND
OU2MW-190	55.0-65.0	ND
OU2MW-210	55.0-65.0	14
OU2MW-230	55.0-65.0	24
OU2MW-240	55.0-65.0	1,164
OU2MW-250	55.0-65.0	ND
OU2MW-260	55.0-65.0	ND
OU-2		
BBMW-010	68.5-78.5	83
BBMW-020	73.0-83.0	ND
BBMW-030	62.0-65.0	1
BBMW-070	55.0-65.0	ND
BBMW-150	70.0-80.0	ND
BBMW-160	68.0-70.0	ND
BBMW-220	49.5-59.5	1
BBMW-240	63.0-70.0	ND
BBMW-250	59.5-59.5	65
BBMW-2502	62.0-72.0	9
GM-050	60.95-75.95	428
OU2MW-012	50.0-55.0	47
OU2MW-010	65.0-70.0	ND
OU2MW-022	50.0-55.0	ND
OU2MW-030	65.0-70.0	ND
OU2MW-032	50.0-55.0	ND
OU2MW-042	50.0-55.0	36
OU2MW-040	65.0-70.0	ND
OU2MW-082	50.0-55.0	82
OU2MW-090	60.0-70.0	ND
OU2MW-170	60.0-70.0	ND
OU2MW-180	60.0-70.0	ND
OU2MW-190	65.0-70.0	13
OU2MW-200	65.0-70.0	ND
OU2MW-220	67.0-72.0	ND
OU2MW-230	65.0-70.0	ND
OU2MW-240	62.0-67.0	ND
OU2MW-250	70.0-75.0	ND
OU2MW-260	65.0-70.0	198
OU2MW-270	65.0-70.0	ND
OU2MW-300	50.0-55.0	254
OU2MW-3002	60.0-65.0	422
OU2MW-330	50.0-55.0	ND
OU2MW-350	57.0-62.0	ND
OU2MW-360	61.0-66.0	ND
OU2MW-370	67.0-72.0	ND
OU2MW-380	66.0-61.0	ND
OU2MW-420	70.0-75.0	ND
OU2MW-430	60.0-65.0	12
OU2MW-440	65.0-70.0	4
OU2MW-450	65.0-70.0	198
OU2MW-470	60.0-65.0	13
OU2MW-540	60.0-65.0	ND
OU2MW-550	50.0-55.0	120
OU2MW-560	65.0-70.0	159
OU2MW-580	55.0-60.0	ND
OU-4		
WCMW-010	64.0-74.0	ND
WCMW-020	62.0-72.0	ND
WCMW-120	67.0-72.0	ND
WCMW-130	65.0-70.0	ND
WCMW-140	67.0-72.0	ND
WCMW-250	55.0-60.0	65

LEGEND:

- BBMW-33 EXISTING MONITORING WELL CLUSTER LOCATION
- PDMW-02 ABANDONED MONITORING WELL LOCATION
- WCMW-075 MONITORING WELL CONDITION UNKNOWN
- ug/L MICROGRAMS PER LITER
- TOTAL BTEX ≥ 100 ug/L
- TOTAL BTEX ≥ 1,000 ug/L
- TOTAL BTEX ≥ 5,000 ug/L
- BTEX BENZENE, TOLUENE, ETHYLBENZENE AND XYLENE
- OU-2 EXTENT FROM 2004 RI BASED ON >100 ug/L TOTAL BTEX OR >100 ug/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

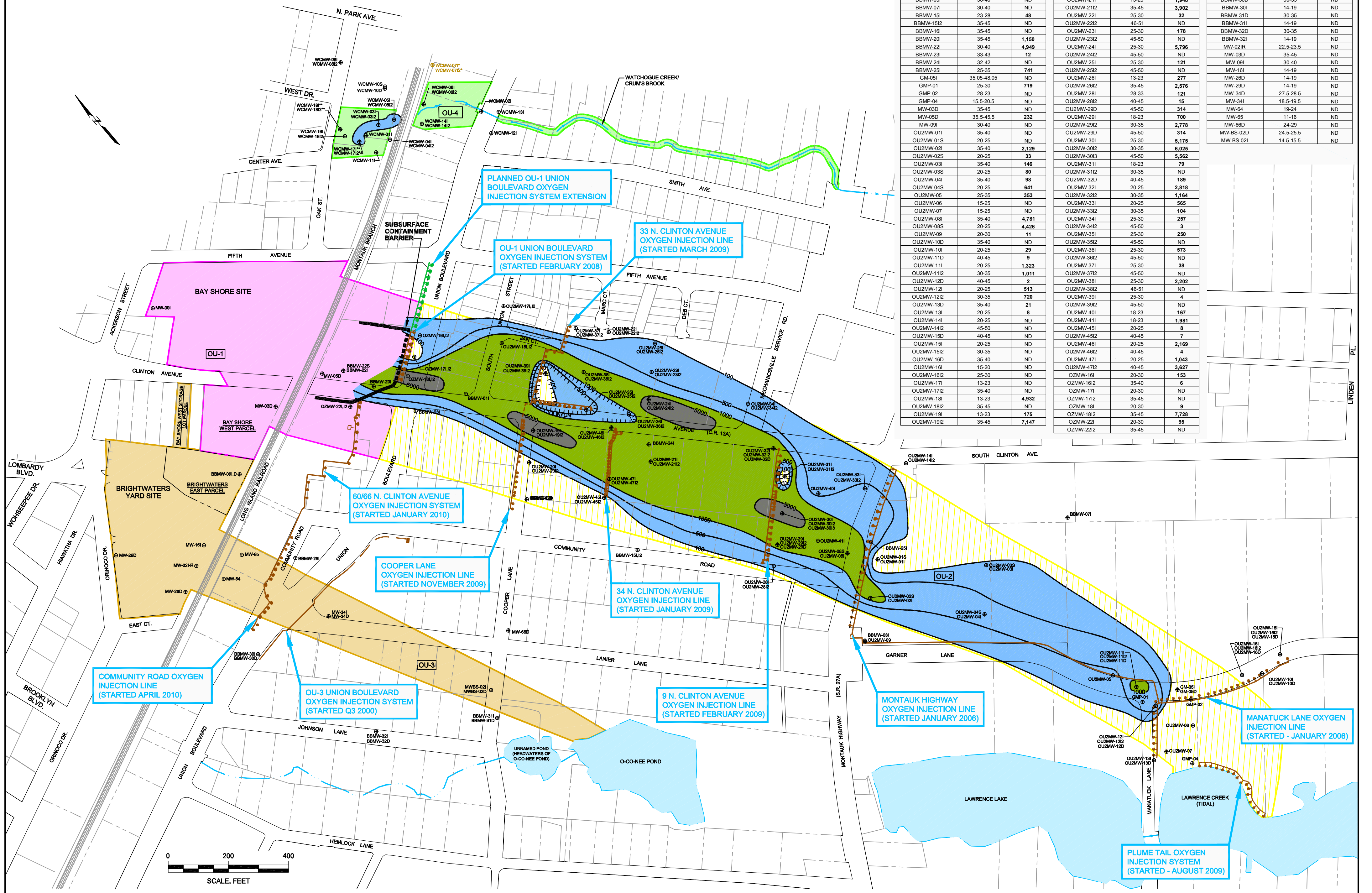
GEI Consultants
110 WALT WHITMAN ROAD
SUITE 204
HUNTINGTON STATION, NY 11746

DEEP GROUNDWATER BTEX ISO-CONCENTRATION MAP (BELOW 50 FEET BGS) Q1 2009/Q2 2010 DATA

September 2010 Figure 16

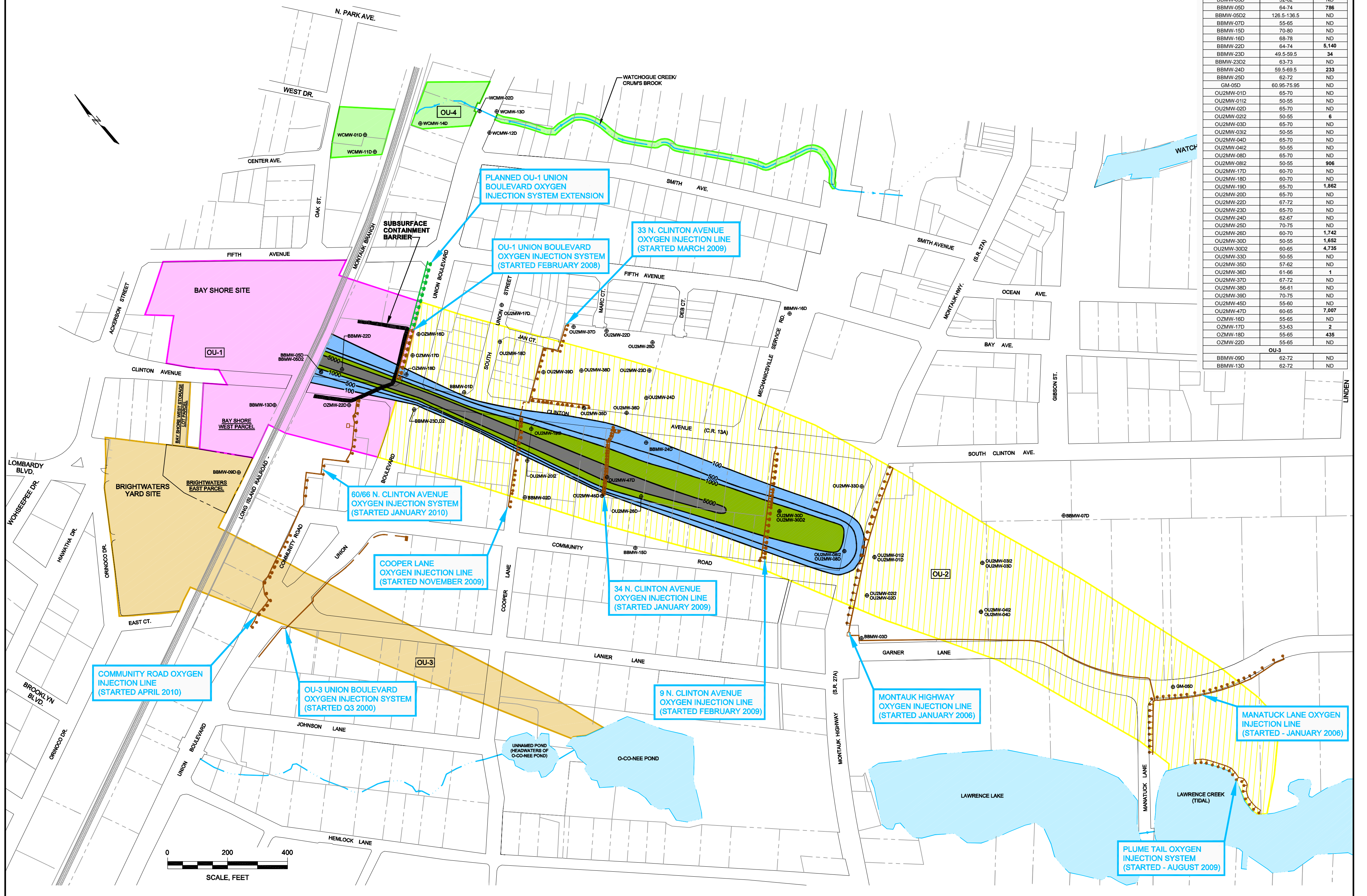
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Q1 2009



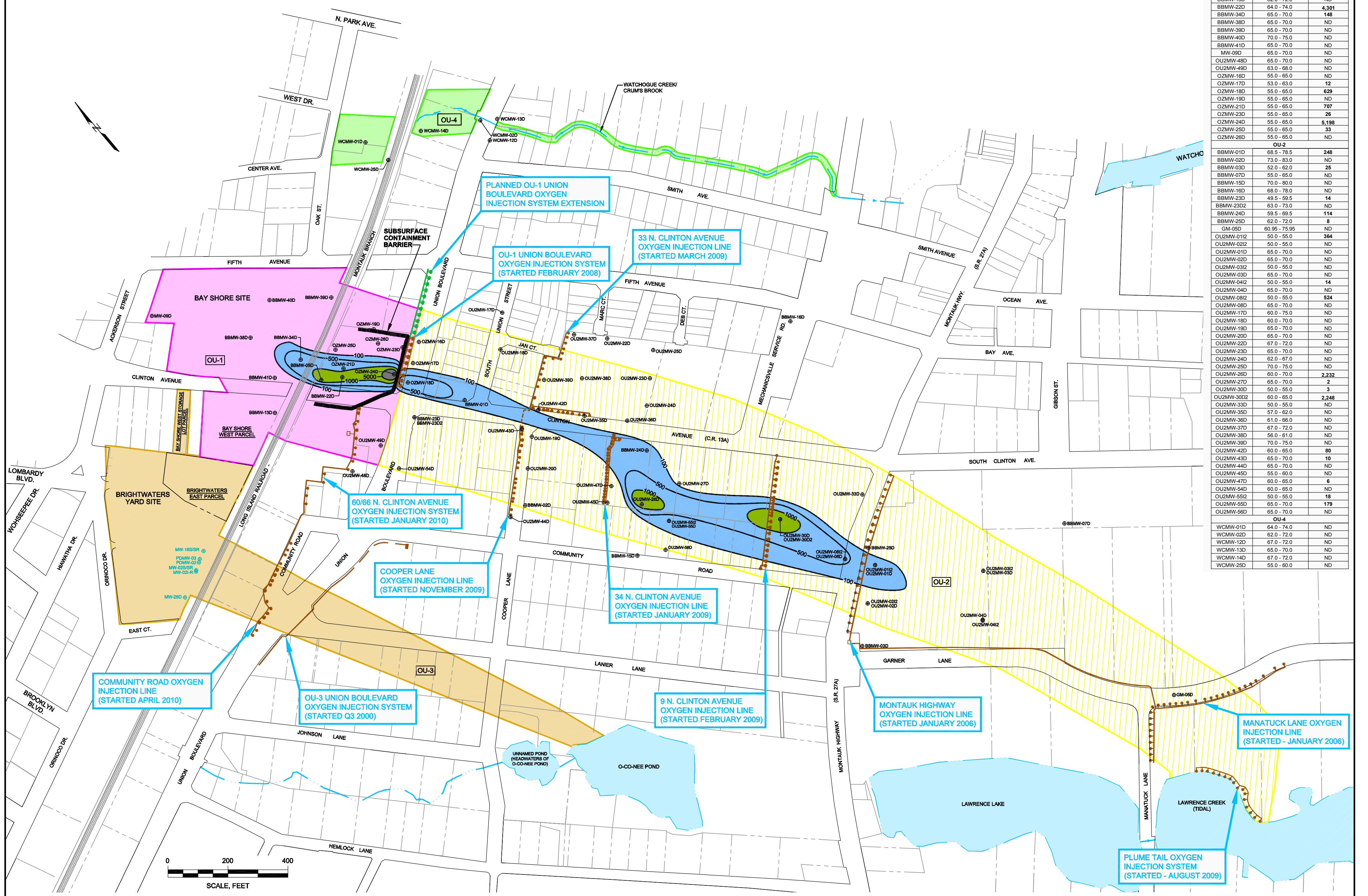
Q1 2009 Groundwater Monitoring Data			Q1 2009 Groundwater Monitoring Data			Q1 2009 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs)	Total PAHs (µg/L)	Monitoring Well ID	Screened Interval (feet bgs)	Total PAHs (µg/L)	Monitoring Well ID	Screened Interval (feet bgs)	Total PAHs (µg/L)
BBMW-01	32-42	3,303	OU2M-201	13-23	74	BBMW-09	20-30	ND
BBMW-02	30-40	ND	OU2M-202	13-23	1,848	BBMW-28	10-20	ND
BBMW-03	30-40	ND	OU2M-211	13-23	1,848	BBMW-30D	30-35	ND
BBMW-07	30-40	ND	OU2M-212	35-45	3,802	BBMW-30	14-19	ND
BBMW-15	23-28	48	OU2M-221	25-30	32	BBMW-31D	30-35	ND
BBMW-152	35-45	ND	OU2M-222	45-50	ND	BBMW-31	14-19	ND
BBMW-16	35-45	ND	OU2M-231	25-30	178	BBMW-32D	30-35	ND
BBMW-20	35-45	1,180	OU2M-232	45-50	ND	BBMW-32	14-19	ND
BBMW-22	30-40	1,849	OU2M-24	25-30	5,736	BBMW-32D	22.5-23.5	ND
BBMW-23	33-43	12	OU2M-242	45-50	ND	BBMW-32D	35-45	ND
BBMW-24	32-42	ND	OU2M-25	25-30	121	BBMW-33	30-40	ND
BBMW-25	25-35	741	OU2M-252	45-50	ND	BBMW-34	14-19	ND
BBMW-29	35-45	792	OU2M-26	13-23	277	BBMW-35	14-19	ND
BBMW-31	35-45	719	OU2M-262	35-45	2,878	BBMW-35D	14-19	ND
GMP-01	25-30	28	OU2M-28	25-30	121	BBMW-36	18.5-19.5	ND
GMP-04	11.5-16.5	ND	OU2M-281	40-45	15	BBMW-36D	24-29	ND
MV-03D	35-45	ND	OU2M-282	45-50	314	BBMW-37	14-19	ND
MV-05D	35.5-45.5	232	OU2M-283	18-23	709	BBMW-38	11-16	ND
MV-06	30-40	ND	OU2M-284	40-45	15	BBMW-38D	24-29	ND
OU2M-011	35-40	ND	OU2M-29	25-30	314	BBMW-39	14-19	ND
OU2M-015	20-25	ND	OU2M-291	45-50	5,175	BBMW-40	14-19	ND
OU2M-021	35-40	2,129	OU2M-292	30-35	2,178	BBMW-40D	14-19	ND
OU2M-023	20-25	33	OU2M-30	45-50	5,682	BBMW-41	14-19	ND
OU2M-031	35-40	146	OU2M-301	25-30	15	BBMW-41D	14-19	ND
OU2M-032	20-25	80	OU2M-302	45-50	118	BBMW-42	14-19	ND
OU2M-041	35-40	98	OU2M-31	18-23	79	BBMW-42D	14-19	ND
OU2M-043	20-25	641	OU2M-311	20-25	2,818	BBMW-43	14-19	ND
OU2M-05	25-35	383	OU2M-32	30-35	1,104	BBMW-43D	14-19	ND
OU2M-055	20-25	15	OU2M-321	20-25	666	BBMW-44	14-19	ND
OU2M-07	15-25	ND	OU2M-33	20-25	104	BBMW-44D	14-19	ND
OU2M-08	35-40	4,781	OU2M-332	30-35	297	BBMW-45	14-19	ND
OU2M-085	20-25	4,428	OU2M-34	25-30	297	BBMW-45D	14-19	ND
OU2M-09	20-30	11	OU2M-35	25-30	260	BBMW-46	14-19	ND
OU2M-10	35-40	ND	OU2M-352	45-50	ND	BBMW-46D	14-19	ND
OU2M-11	40-45	9	OU2M-36	25-30	573	BBMW-47	14-19	ND
OU2M-12	20-25	1,323	OU2M-37	25-30	38	BBMW-47D	14-19	ND
OU2M-121	20-25	2	OU2M-38	25-30	2,202	BBMW-48	14-19	ND
OU2M-122	20-25	513	OU2M-382	45-50	ND	BBMW-48D	14-19	ND
OU2M-123	20-25	720	OU2M-39	25-30	4	BBMW-49	14-19	ND
OU2M-130	35-40	21	OU2M-392	45-50	ND	BBMW-49D	14-19	ND
OU2M-131	20-25	8	OU2M-40	18-23	167	BBMW-50	14-19	ND
OU2M-14	20-25	ND	OU2M-41	18-23	1,981	BBMW-50D	14-19	ND
OU2M-142	45-50	ND	OU2M-411	20-25	8	BBMW-51	14-19	ND
OU2M-150	40-45	ND	OU2M-42	20-25	7	BBMW-51D	14-19	ND
OU2M-151	20-25	ND	OU2M-421	40-45	7	BBMW-52	14-19	ND
OU2M-152	30-35	ND	OU2M-43	20-25	2,189	BBMW-52D	14-19	ND
OU2M-16	15-20	ND	OU2M-432	40-45	3,627	BBMW-53	14-19	ND
OU2M-17	13-23	ND	OU2M-44	20-25	153	BBMW-53D	14-19	ND
OU2M-172	35-40	ND	OU2M-45	20-25	9	BBMW-54	14-19	ND
OU2M-182	35-45	ND	OU2M-452	35-40	6	BBMW-54D	14-19	ND
OU2M-19	13-23	175	OU2M-46	20-25	9	BBMW-55	14-19	ND
OU2M-192	35-45	7,147	OU2M-47	20-25	16	BBMW-55D	14-19	ND
			OU2M-48	20-25	9	BBMW-56	14-19	ND
			OU2M-482	35-45	7,728	BBMW-56D	14-19	ND
			OU2M-49	20-25	16	BBMW-57	14-19	ND
			OU2M-492	35-45	ND	BBMW-57D	14-19	ND
			OU2M-50	20-25	9	BBMW-58	14-19	ND
			OU2M-502	35-45	ND	BBMW-58D	14-19	ND
			OU2M-51	20-25	9	BBMW-59	14-19	ND
			OU2M-512	35-45	ND	BBMW-59D	14-19	ND
			OU2M-52	20-25	9	BBMW-60	14-19	ND
			OU2M-522	35-45	ND	BBMW-60D	14-19	ND
			OU2M-53	20-25	9	BBMW-61	14-19	ND
			OU2M-532	35-45	ND	BBMW-61D	14-19	ND
			OU2M-54	20-25	9	BBMW-62	14-19	ND
			OU2M-542	35-45	ND	BBMW-62D	14-19	ND
			OU2M-55	20-25	9	BBMW-63	14-19	ND
			OU2M-552	35-45	ND	BBMW-63D	14-19	ND
			OU2M-56	20-25	9	BBMW-64	14-19	ND
			OU2M-562	35-45	ND	BBMW-64D	14-19	ND
			OU2M-57	20-25	9	BBMW-65	14-19	ND
			OU2M-572	35-45	ND	BBMW-65D	14-19	ND
			OU2M-58	20-25	9	BBMW-66	14-19	ND
			OU2M-582	35-45	ND	BBMW-66D	14-19	ND
			OU2M-59	20-25	9	BBMW-67	14-19	ND
			OU2M-592	35-45	ND	BBMW-67D	14-19	ND
			OU2M-60	20-25	9	BBMW-68	14-19	ND
			OU2M-602	35-45	ND	BBMW-68D	14-19	ND
			OU2M-61	20-25	9	BBMW-69	14-19	ND
			OU2M-612	35-45	ND	BBMW-69D	14-19	ND
			OU2M-62	20-25	9	BBMW-70	14-19	ND
			OU2M-622	35-45	ND	BBMW-70D	14-19	ND
			OU2M-63	20-25	9	BBMW-71	14-19	ND
			OU2M-632	35-45	ND	BBMW-71D	14-19	ND
			OU2M-64	20-25	9	BBMW-72	14-19	ND
			OU2M-642	35-45	ND	BBMW-72D	14-19	ND
			OU2M-65	20-25	9	BBMW-73	14-19	ND
			OU2M-652	35-45	ND	BBMW-73D	14-19	ND
			OU2M-66	20-25	9	BBMW-74	14-19	ND
			OU2M-662	35-45	ND	BBMW-74D	14-19	ND
			OU2M-67	20-25	9	BBMW-75	14-19	ND
			OU2M-672	35-45	ND	BBMW-75D	14-19	ND
			OU2M-68	20-25	9	BBMW-76	14-19	ND
			OU2M-682	35-45	ND	BBMW-76D	14-19	ND
			OU2M-69	20-25	9	BBMW-77	14-19	ND
			OU2M-692	35-45	ND	BBMW-77D	14-19	ND
			OU2M-70	20-25	9	BBMW-78	14-19	ND
			OU2M-702	35-45	ND	BBMW-78D	14-19	ND
			OU2M-71	20-25	9	BBMW-79	14-19	ND
			OU2M-712	35-45	ND	BBMW-79D	14-19	ND
			OU2M-72	20-25	9	BBMW-80	14-19	ND
			OU2M-722	35-45	ND	BBMW-80D	14-19	ND
			OU2M-73	20-25	9	BBMW-81	14-19	ND
			OU2M-732	35-45	ND	BBMW-81D	14-19	ND
			OU2M-74	20-25	9	BBMW-82	14-19	ND
			OU2M-742	35-45	ND	BBMW-82D	14-19	ND
			OU2M-75	20-25	9	BBMW-83	14-19	ND
			OU2M-752	35-45	ND	BBMW-83D	14-19	ND
			OU2M-76	20-25	9	BBMW-84	14-19	ND
			OU2M-762	35-45	ND	BBMW-84D	14-19	ND
			OU2M-77	20-25	9	BBMW-85	14-19	ND
			OU2M-772	35-45	ND	BBMW-85D	14-19	ND
			OU2M-78	20-25	9	BBMW-86	14-19	ND
			OU2M-782	35-45	ND	BBMW-86D	14-19	ND
			OU2M-79	20-25	9	BBMW-87	14-19	ND
			OU2M-792	35-45	ND	BBMW-87D	14-19	ND
			OU2M-80	20-25	9	BBMW-88	14-19	ND
			OU2M-802	35-45	ND	BBMW-88D	14-19	ND
			OU2M-81	20-25	9	BBMW-89	14-19	ND
			OU2M-812	35-45	ND	BBMW-89D	14-19	ND
			OU2M-82	20-25	9	BBMW-90	14-19	ND
			OU2M-822	35-45	ND	BBMW-90D	14-19	ND
			OU2M-83	20-25	9	BBMW-91	14-19	ND
			OU2M-832	35-45	ND	BBMW-91D	14-19	ND
			OU2M-84	20-25	9	BBMW-92	14-19	ND
			OU2M-842	35-45	ND	BBMW-92D	14-19	ND
			OU2M-85	20-25	9	BBMW-93	14-19	ND
			OU2M-852	35-45	ND	BBMW-93D	14-19	ND
			OU2M-86	20-25	9	BBMW-94	14-19	ND
			OU2M-862	35-45	ND	BBMW-94D	14-19	ND
			OU2M-87	20-25	9	BBMW-95	14-19	ND
			OU2M-872	35-45	ND	BBMW-95D	14-19	ND
			OU2M-88	20-25	9	BBMW-96	14-19	ND
			OU2M-882	35-45	ND	BBMW-96D	14-19	ND
			OU2M-89	20-25	9	BBMW-97	1	

Q1 2009



Monitoring Well ID	Screened Interval (feet bgs)	Total PAHs (ug/L)
BBMW-01D	68.5-78.5	68
BBMW-02D	73-83	ND
BBMW-03D	82-92	ND
BBMW-05D	64-74	786
BBMW-05D2	126.5-136.5	ND
BBMW-07D	55-65	ND
BBMW-16D	68-78	ND
BBMW-22D	64-74	5,148
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	60.95-70.95	ND
OUMW-01D	65-70	ND
OUMW-02D	65-70	ND
OUMW-03D	65-70	ND
OUMW-04D	65-70	ND
OUMW-05D	65-70	ND
OUMW-06D	65-70	ND
OUMW-07D	65-70	ND
OUMW-08D	65-70	ND
OUMW-09D	65-70	ND
OUMW-10D	65-70	ND
OUMW-11D	65-70	ND
OUMW-12D	65-70	ND
OUMW-13D	65-70	ND
OUMW-14D	65-70	ND
OUMW-15D	65-70	1,862
OUMW-16D	65-70	ND
OUMW-17D	65-70	ND
OUMW-18D	65-70	ND
OUMW-19D	65-70	ND
OUMW-20D	65-70	ND
OUMW-21D	65-70	ND
OUMW-22D	65-70	ND
OUMW-23D	65-70	ND
OUMW-24D	62-87	ND
OUMW-25D	70-75	ND
OUMW-26D	60-70	1,742
OUMW-27D	50-55	1,482
OUMW-28D	62-72	ND
OUMW-29D	50-55	ND
OUMW-30D	50-55	ND
OUMW-31D	50-55	ND
OUMW-32D	50-55	ND
OUMW-33D	50-55	ND
OUMW-34D	50-55	ND
OUMW-35D	50-55	ND
OUMW-36D	50-55	ND
OUMW-37D	50-55	ND
OUMW-38D	50-55	ND
OUMW-39D	50-55	ND
OUMW-40D	50-55	ND
OUMW-41D	50-55	ND
OUMW-42D	50-55	ND
OUMW-43D	50-55	ND
OUMW-44D	50-55	ND
OUMW-45D	50-55	ND
OUMW-46D	50-55	ND
OUMW-47D	50-55	7,807
OUMW-48D	50-55	ND
OUMW-49D	50-55	ND
OUMW-50D	50-55	ND
OUMW-51D	50-55	ND
OUMW-52D	50-55	ND
OUMW-53D	50-55	ND
OUMW-54D	50-55	ND
OUMW-55D	50-55	ND
OUMW-56D	50-55	ND
OUMW-57D	50-55	ND
OUMW-58D	50-55	ND
OUMW-59D	50-55	ND
OUMW-60D	50-55	ND
OUMW-61D	50-55	ND
OUMW-62D	50-55	ND
OUMW-63D	50-55	ND
OUMW-64D	50-55	ND
OUMW-65D	50-55	ND
OUMW-66D	50-55	ND
OUMW-67D	50-55	ND
OUMW-68D	50-55	ND
OUMW-69D	50-55	ND
OUMW-70D	50-55	ND
OUMW-71D	50-55	ND
OUMW-72D	50-55	ND
OUMW-73D	50-55	ND
OUMW-74D	50-55	ND
OUMW-75D	50-55	ND
OUMW-76D	50-55	ND
OUMW-77D	50-55	ND
OUMW-78D	50-55	ND
OUMW-79D	50-55	ND
OUMW-80D	50-55	ND
OUMW-81D	50-55	ND
OUMW-82D	50-55	ND
OUMW-83D	50-55	ND
OUMW-84D	50-55	ND
OUMW-85D	50-55	ND
OUMW-86D	50-55	ND
OUMW-87D	50-55	ND
OUMW-88D	50-55	ND
OUMW-89D	50-55	ND
OUMW-90D	50-55	ND
OUMW-91D	50-55	ND
OUMW-92D	50-55	ND
OUMW-93D	50-55	ND
OUMW-94D	50-55	ND
OUMW-95D	50-55	ND
OUMW-96D	50-55	ND
OUMW-97D	50-55	ND
OUMW-98D	50-55	ND
OUMW-99D	50-55	ND
OUMW-100D	50-55	ND

Q2 2010



Monitoring Well ID	Screened Interval (feet bgs)	Total PAHs (ug/L)
BBMW-05D	64.0-74.0	1,480
BBMW-13D	62.0-72.0	ND
BBMW-22D	64.0-74.0	4,301
BBMW-34D	65.0-75.0	148
BBMW-38D	65.0-75.0	ND
BBMW-39D	65.0-75.0	ND
BBMW-40D	70.0-75.0	ND
BBMW-41D	65.0-75.0	ND
MW-05D	65.0-70.0	ND
OUMW-48D	65.0-70.0	ND
OUMW-15D	55.0-65.0	ND
OUMW-17D	53.0-63.0	12
OUMW-19D	55.0-65.0	ND
OUMW-21D	55.0-65.0	797
OUMW-23D	55.0-65.0	26
OUMW-24D	55.0-65.0	5,198
OUMW-25D	55.0-65.0	33
OUMW-26D	55.0-65.0	ND
BBMW-01D	68.5-78.5	248
BBMW-02D	73.0-83.0	ND
BBMW-03D	82.0-92.0	25
BBMW-07D	55.0-65.0	ND
BBMW-15D	70.0-80.0	ND
BBMW-16D	68.0-78.0	ND
BBMW-23D	49.5-59.5	14
BBMW-24D	59.5-69.5	114
BBMW-25D	62.0-72.0	8
GM-05D	60.95-70.95	ND
OUMW-01D	50.0-55.0	346
OUMW-02D	50.0-55.0	ND
OUMW-03D	50.0-55.0	ND
OUMW-04D	50.0-55.0	ND
OUMW-05D	50.0-55.0	ND
OUMW-06D	50.0-55.0	14
OUMW-07D	50.0-55.0	ND
OUMW-08D	50.0-55.0	ND
OUMW-09D	50.0-55.0	824
OUMW-10D	50.0-55.0	ND
OUMW-11D	60.0-70.0	ND
OUMW-12D	60.0-70.0	ND
OUMW-13D	60.0-70.0	ND
OUMW-14D	60.0-70.0	ND
OUMW-15D	60.0-70.0	ND
OUMW-16D	60.0-70.0	ND
OUMW-17D	60.0-70.0	ND
OUMW-18D	60.0-70.0	ND
OUMW-19D	60.0-70.0	ND
OUMW-20D	60.0-70.0	ND
OUMW-21D	60.0-70.0	ND
OUMW-22D	60.0-70.0	ND
OUMW-23D	60.0-70.0	ND
OUMW-24D	60.0-70.0	ND
OUMW-25D	60.0-70.0	ND
OUMW-26D	60.0-70.0	ND
OUMW-27D	60.0-70.0	ND
OUMW-28D	60.0-70.0	ND
OUMW-29D	60.0-70.0	ND
OUMW-30D	60.0-70.0	2,282
OUMW-31D	60.0-70.0	2,248
OUMW-32D	60.0-70.0	ND
OUMW-33D	50.0-60.0	ND
OUMW-34D	50.0-60.0	ND
OUMW-35D	50.0-60.0	ND
OUMW-36D	50.0-60.0	ND
OUMW-37D	60.0-70.0	ND
OUMW-38D	60.0-70.0	ND
OUMW-39D	60.0-70.0	ND
OUMW-40D	60.0-70.0	ND
OUMW-41D	60.0-70.0	ND
OUMW-42D	60.0-70.0	ND
OUMW-43D	60.0-70.0	ND
OUMW-44D	60.0-70.0	ND
OUMW-45D	50.0-60.0	ND
OUMW-46D	60.0-70.0	ND
OUMW-47D	60.0-70.0	ND
OUMW-48D	60.0-70.0	ND
OUMW-49D	60.0-70.0	ND
OUMW-50D	50.0-60.0	ND
OUMW-51D	60.0-70.0	179
OUMW-52D	60.0-70.0	ND
OUMW-53D	60.0-70.0	ND
OUMW-54D	60.0-70.0	ND
OUMW-55D	60.0-70.0	ND
OUMW-56D	60.0-70.0	ND
WCMW-01D	64.0-74.0	ND
WCMW-02D	62.0-72.0	ND
WCMW-12D	67.0-77.0	ND
WCMW-13D	65.0-75.0	ND
WCMW-14D	67.0-77.0	ND
WCMW-25D	55.0-65.0	114

LEGEND:

- BBMW-33 EXISTING MONITORING WELL CLUSTER LOCATION
- PDMW-02 ABANDONED MONITORING WELL LOCATION
- WCMW-075* MONITORING WELL CONDITION UNKNOWN
- ug/L MICROGRAMS PER LITER
- TOTAL PAH ≥ 100 ug/L
- TOTAL PAH ≥ 1,000 ug/L
- TOTAL PAH ≥ 5,000 ug/L
- PAH POLYCYCLIC AROMATIC HYDROCARBONS
- O-U-2 EXTENT FROM 2004 RI BASED ON >100 ug/L TOTAL BTEX OR >100 ug/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/Q2 2010 DATA

September 2010 Figure 19

I:\Project\National Grid\Bay Shore\Groundwater-Quarterly Monitoring\2010\ISO-Concentrations\BAY SHORE-BTEX & PAH PLUMES Q2-2010.dwg | Sep 23, 2010

Appendices A, B, C, D, E, F and G (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: Soil Vapor Analytical Results

**Appendix F: Time Series Plots of Analytical Results for
Groundwater Monitoring Wells**

Appendix G: Distribution of pH Values in Groundwater

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 Concentrations 95th Percentile 1	OZ-PREGAC 4/1/2010		OZ-PREGAC 4/15/2010		OZ-PREGAC 5/17/2010		OZ-PREGAC 6/22/2010	
		(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
Toluene	21	1.2 J	0.000318 J	31	0.008226	2.0	0.000531	1.9	0.000504
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
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
Xylene, o-	2.5	1.3 J	0.000299 J	6.1	0.001405	0.91	0.00021	2.2	0.000507
Total BTEX (PPMV)	NE	NA	0.001269	NA	0.015559	NA	0.001376	NA	0.002129
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
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
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
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
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
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
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
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
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
Butane	NE	3.2	0.001344	1.7	0.000714	2.8	0.001176	0.95 U	0.000399 U
Butanone, 2-	17	3.2	0.001085	5.8	0.001967	4.6	0.00156	5.2	0.001763
Carbon disulfide	NE	1.2 U	0.000385 U	1.2	0.000385	0.59 J	0.000189 J	2.7	0.000867
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
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
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
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
Chloromethane	4.6	0.87	0.000421	0.78	0.000378	0.80	0.000387	0.96	0.000465
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
Cyclohexane	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
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
Decane, n-	3.6	2.3 U	0.000395 U	1.6	0.000275	0.58 J	0.0001 J	15	0.002577
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
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
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
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
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
Dichlorodifluoromethane	11	2.8	0.000566	2.5	0.000506	2.5	0.000506	2.3	0.000465
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
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
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
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
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
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
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
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
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
Ethanol	220	4.9	0.002601	26	0.013799	8.0	0.004246	22	0.011676
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
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
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
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
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
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
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
Indene	NE	1.9 U	0.0004 U	1.6	0.000337	0.95 UJ	0.0002 UJ	2.7	0.000568
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
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
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
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
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

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 Concentrations 95th Percentile 1	OZ-PREGAC 4/1/2010	OZ-PREGAC 4/15/2010	OZ-PREGAC 5/17/2010	OZ-PREGAC 6/22/2010
Other VOCs cont.					
Methylthiophene, 2-	NE	1.6 U	0.000398 U	0.80 U	0.000199 U
Methylthiophene, 3-	NE	1.6 U	0.000399 U	0.80 U	0.000199 U
Naphthalene	NE	2.1 U	0.000401 U	1.3 J	0.000248 J
Nonane	1.2	2.1 U	0.0004 U	1.1	0.00021
Octane, n-	2.1	1.9 U	0.000407 U	2.8	0.000599
Pentane	NE	2.4	0.000813	4.5	0.001525
Propanol, 2-	NE	2.5 U	0.001017 U	0.74 J	0.000301 J
Styrene	0.6	1.7 U	0.000399 U	0.51 J	0.00012 J
t-Butyl alcohol	NE	1.2 U	0.000396 U	0.33 J	0.000109 J
Tetrachloroethane, 1,1,2,2-	0.25	2.7 U	0.000393 U	1.4 U	0.000204 U
Tetrachloroethene	1.6	0.81 J	0.000119 J	1.0 J	0.000147 J
Tetramethylbenzene, 1,2,4,5-	NE	2.2 U	0.000401 U	0.38 J	0.000069 J
Thiophene	NE	1.4 U	0.000407 U	0.69 U	0.000201 U
Trans-1,2-dichloroethene	NE	1.6 U	0.000404 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
Trichlorobenzene, 1,2,4-	4.8	3.0 U	0.000404 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
Trichloroethane, 1,1,2-	0.25	2.2 U	0.000403 U	1.1 U	0.000202 U
Trichloroethene	0.5	2.2 U	0.000409 U	1.1 U	0.000205 U
Trichlorofluoromethane	6.1	1.1 J	0.000196 J	1.5	0.000267
Trimethylbenzene, 1,2,3-	0.6	2.0 U	0.000407 U	1.0	0.000203
Trimethylbenzene, 1,2,4-	2.5	2.0 U	0.000407 U	2.5	0.000509
Trimethylbenzene, 1,3,5-	1	2.0	0.000407	2.3	0.000468
Trimethylpentane, 2,2,4-	2	1.9 U	0.000407 U	2.6	0.000557
Undecane, n-	2.3	2.6 U	0.000407 U	3.1 J	0.000485 J
Vinyl bromide	NE	1.8 U	0.000412 U	0.87 U	0.000199 U
Vinyl chloride	NE	1.0 U	0.000391 U	0.51 U	0.0002 U
Total VOCs (PPMV)	NE	NA	0.015178	NA	0.051547

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 Concentrations 95th Percentile 1	OZ-MGAC 4/15/2010		OZ-MGAC 4/15/2010		OZ-MGAC 5/17/2010		OZ-MGAC 6/22/2010		OZ-STACK 4/15/2010		OZ-STACK 4/15/2010		OZ-STACK 5/17/2010		OZ-STACK 6/22/2010	
		(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	1.3 U	0.000407 U	1.6	0.000501	0.64 U	0.0002 U	0.48 J	0.00015 J	1.3 U	0.000407 U	6.0	0.001878	0.64 U	0.0002 U	2.1	0.000657
Toluene	21	1.5 U	0.000398 U	19	0.005042	0.38 J	0.000101 J	0.97 J	0.000257 J	1.5 U	0.000398 U	62	0.016452	0.90	0.000239	2.0	0.000531
Ethylbenzene	1.9	1.7 U	0.000392 U	3.4	0.000783	0.87 U	0.0002 U	1.7 U	0.000392 U	1.7 U	0.000392 U	8.8	0.002027	0.87 U	0.0002 U	0.63 J	0.000145 J
Xylene, m,p-	3.1	3.5 U	0.000806 U	12	0.002763	0.52 J	0.00012 J	1.2 J	0.000276 J	3.5 U	0.000806 U	29	0.006678	0.87 J	0.0002 J	2.1 J	0.000484 J
Xylene, o-	2.5	1.7 U	0.000392 U	4.3	0.00099	0.35 J	0.000081 J	0.57 J	0.000131 J	1.7 U	0.000392 U	9.8	0.002257	0.26 J	0.00006 J	0.86 J	0.000198 J
Total BTEX (PPMV)	NE	NA	ND	NA	0.010079	NA	0.000302	NA	0.000814	NA	ND	NA	0.029292	NA	0.000499	NA	0.002015
Other VOCs																	
Acetaldehyde	NE	27	0.014985	63	0.034966	71	0.039406	120	0.066602	4.8 J	0.002664 J	18 J	0.00999 J	5.1	0.002831	68	0.037741
Acetone	58	12 J	0.005052 J	40 J	0.016839 J	56	0.023574	110	0.046307	1.6 J	0.000674 J	1.7 J	0.000716 J	1.1 J	0.000463 J	5.2 J	0.002189 J
Acrolein (propenal)	NE	0.78 J	0.00034 J	2.3	0.001002	2.3	0.001002	6.8	0.002964	2.3 U	0.001002 U	1.2 U	0.000523 U	1.2 U	0.000523 U	1.9 J	0.000828 J
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	1.2 U	0.000383 U	0.63 U	0.000201 U	0.63 U	0.000201 U	1.2 U	0.000383 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	2.2 U	0.000401 U	1.1 U	0.0002 U	2.7 U	0.000492 U	2.2 U	0.000401 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	2.7 U	0.000403 U	1.3 U	0.000194 U	1.3 U	0.000194 U	2.7 U	0.000403 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	4.1 U	0.000397 U	2.1 U	0.000203 U	2.1 U	0.000203 U	4.1 U	0.000397 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	1.6 U	0.000412 U	0.78 U	0.000201 U	0.78 U	0.000201 U	1.6 U	0.000412 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	0.88 U	0.000398 U	0.44 U	0.000199 U	0.44 U	0.000199 U	0.88 U	0.000398 U
Butane	NE	2.0	0.00084	2.8	0.001176	0.78	0.000328	1.7	0.000714	4.3	0.001806	4.4	0.00168	1.4	0.000588	1.5	0.00063
Butanone, 2-	17	3.9	0.001322	13	0.004408	22	0.00746	28	0.009494	1.2 U	0.000407 U	1.9	0.000644	0.50 J	0.00017 J	2.0	0.000678
Carbon disulfide	NE	1.2 U	0.000385 U	4.7 J	0.000151 J	0.47 J	0.000151 J	2.0	0.000642	1.2 U	0.000385 U	0.28 J	0.00009 J	0.31 J	0.0001 J	1.8	0.000578
Carbon tetrachloride	1	2.5 U	0.000397 U	1.3 U	0.000207 U	0.38 J	0.00006 J	2.5 U	0.000397 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
Chlorobenzene	0.25	1.8 U	0.000391 U	1.5	0.000326	0.92 U	0.0002 U	1.8 U	0.000391 U	1.8 U	0.000391 U	3.5	0.00076	0.92 U	0.0002 U	1.8 U	0.000391 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	1.0 U	0.000379 U	0.53 U	0.000201 U	0.53 U	0.000201 U	1.0 U	0.000379 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	2.0 U	0.00041 U	0.98 U	0.000201 U	0.98 U	0.000201 U	2.0 U	0.00041 U
Chloromethane	4.6	0.99	0.000479	0.91	0.000441	0.85	0.000412	1.3	0.00063	0.87 J	0.000421 J	0.99	0.000479	0.85	0.000412	3.0	0.001453
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	2.1 U	0.000406 U	1.0 U	0.000193 U	1.0 U	0.000193 U	2.1 U	0.000406 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	2.8 U	0.000401 U	1.4 U	0.0002 U	1.4 U	0.0002 U	2.8 U	0.000401 U
Cyclohexane	3	1.4 U	0.000407 U	1.0 J	0.000291 J	0.96	0.000279	4.0	0.001162	1.4 U	0.000407 U	2.9 J	0.000842 J	0.69 U	0.0002 U	1.4 U	0.000407 U
Decane, n-	3.6	2.3 U	0.000395 U	1.4	0.000241	0.52 J	0.000089 J	10	0.001718	2.3 U	0.000395 U	2.3	0.000395	0.35 J	0.00006 J	17	0.002921
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	3.4 U	0.000399 U	1.7 U	0.0002 U	1.7 U	0.0002 U	3.4 U	0.000399 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	3.1 U	0.000403 U	1.5 U	0.000195 U	1.5 U	0.000195 U	3.1 U	0.000403 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	2.4 U	0.000399 U	1.2 U	0.0002 U	1.2 U	0.0002 U	2.4 U	0.000399 U
Dichlorobenzene, 1,3-	0.7	2.4 U	0.000399 U	1.2 U	0.0002 U	1.2 U	0.0002 U	2.6	0.000432	2.4 U	0.000399 U	1.2 U	0.0002 U	1.2 U	0.0002 U	2.8	0.000466
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	2.4 U	0.000399 U	1.2 U	0.0002 U	1.2 U	0.0002 U	2.4 U	0.000399 U
Dichlorodifluoromethane	11	2.5	0.000506	2.5	0.000506	2.5	0.000506	2.9	0.000586	3.0	0.000607	3.2	0.000647	2.8	0.000566	3.1	0.000627
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	1.6 U	0.000395 U	0.81 U	0.0002 U	0.81 U	0.0002 U	1.6 U	0.000395 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	1.6 U	0.000395 U	0.81 U	0.0002 U	0.81 U	0.0002 U	1.6 U	0.000395 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	1.6 U	0.000404 U	0.79 U	0.000199 U	0.79 U	0.000199 U	1.6 U	0.000404 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	1.6 U	0.000404 U	0.79 U	0.000199 U	0.79 U	0.000199 U	1.6 U	0.000404 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	1.8 U	0.00039 U	0.92 U	0.000199 U	0.92 U	0.000199 U	1.8 U	0.00039 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	1.8 U	0.000397 U	0.91 U	0.0002 U	0.91 U	0.0002 U	1.8 U	0.000397 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	1.8 U	0.000397 U	0.91 U	0.0002 U	0.91 U	0.0002 U	1.8 U	0.000397 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	1.4 U	0.000389 U	0.72 U	0.0002 U	0.72 U	0.0002 U	1.4 U	0.000389 U
Dodecane, n-	7.6	2.8 U	0.000402 U	3.4 J	0.000488 J	1.5 J	0.000215 J	13	0.001866	2.8 U	0.000402 U	0.42 J	0.00006 J	1.1 J	0.000158 J	9.8	0.001407
Ethanol	220	4.0	0.002123	22	0.011676	6.8	0.003609	20	0.010615	1.0 J	0.000531 J	68	0.03609	5.7	0.003025	50	0.026536
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	1.8 U	0.000392 U	0.92 U	0.000201 U	0.92 U	0.000201 U	1.8 U	0.000392 U
Ethyltoluene, p-	NE	2.0 U	0.000407 U	0.79 J	0.000161 J	0.98 U	0.000199 U	2.0 U	0.000407 U	2.0 U	0.000407 U	1.3	0.000264	0.98 U	0.000199 U	2.0 U	0.000407 U
Heptane, n-	5.1	1.3 J	0.000317 J	5.5	0.001342	8.0	0.001952	12	0.002928	1.6 U	0.00039 U	6.5	0.001586	0.82 U	0.0002 U	1.6 U	0.00039 U
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	4.3 U	0.000403 U	2.1 U	0.000197 U	2.1 U	0.000197 U	4.3 U	0.000403 U
Hexane, n-	3.6	0.63 J	0.000179 J	3.9 J	0.001107 J	5.9	0.001674	20	0.005674	1.4 U	0.000397 U	5.8 J	0.001646 J	0.70 U	0.000199 U	1.4 U	0.000397 U
Hexanone, 2-	NE	1.6 U	0.000391 U	2.0	0.000488	3.4	0.00083	5.8	0.001416	1.6 U	0.000391 U	0.82 U	0.0002 U	0.82 U	0.0002 U	1.6 U	0.000391 U
Indan	NE	1.9 U	0.000393 U	0.34 J	0.00007 J	0.97 U	0.000201 U	1.9 U	0.000393 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
Indene	NE	1.9 U	0.0004 U	1.0	0.00021	0.95 UJ	0.0002 UJ	2.1	0.000442	1.9 U	0.0004 U	0.52 J	0.000109 J	0.95 UJ	0.0002 UJ	2.9	0.00061
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	1.4 U	0.000388 U	0.72 U	0.0002 U	0.72 U	0.0002 U	1.4 U	0.000388 U
Methyl-2-pentanone, 4-	2.9	1.6 U	0.000391 U	0.78 J	0.00019 J	0.82	0.0002	2.0									

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 Concentrations 95th Percentile 1	OZ-MGAC 4/1/2010	OZ-MGAC 4/15/2010	OZ-MGAC 5/17/2010	OZ-MGAC 6/22/2010	OZ-MGAC 6/22/2010	OZ-MGAC 6/22/2010	OZ-MGAC 6/22/2010	OZ-MGAC 6/22/2010	OZ-STACK 4/1/2010	OZ-STACK 4/15/2010	OZ-STACK 5/17/2010	OZ-STACK 6/22/2010				
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	1.6 U	0.000398 U	0.80 U	0.000199 U	1.6 U	0.000398 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	1.6 U	0.000399 U	0.80 U	0.000199 U	1.6 U	0.000399 U		
Naphthalene	NE	2.1 U	0.000401 U	1.0 J	0.000191 J	0.68 J	0.00013 J	2.3 J	0.000439 J	2.1 U	0.000401 U	1.0 U	0.000191 U	0.63 J	0.00012 J	4.7 J	0.000897 J
Nonane	1.2	2.1 U	0.0004 U	1.2	0.000229	0.63 J	0.00012 J	0.70 J	0.000133 J	2.1 U	0.0004 U	1.8	0.000343	1.0 U	0.000191 U	0.91 J	0.000173 J
Octane, n-	2.1	1.9 U	0.000407 U	2.9	0.000621	1.2	0.000257	3.0	0.000642	1.9 U	0.000407 U	5.8	0.001241	0.93 U	0.000199 U	5.5	0.001177
Pentane	NE	5.0	0.001694	10	0.003389	12	0.004067	22	0.007455	1.2 U	0.000407 U	5.6	0.001898	0.59 U	0.0002 U	1.2 U	0.000407 U
Propanol, 2-	NE	3.9	0.001587	1.2 U	0.000488 U	1.2 U	0.000488 U	2.5 U	0.001017 U	2.5 U	0.001017 U	1.2 U	0.000488 U	1.2 U	0.000488 U	2.5 U	0.001017 U
Styrene	0.6	1.7 U	0.000399 U	0.43 J	0.000101 J	0.85 U	0.0002 U	1.7 U	0.000399 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
t-Butyl alcohol	NE	1.2 U	0.000396 U	14	0.004619	8.4	0.002771	13	0.004289	1.2 U	0.000396 U	1.4	0.000462	0.61 U	0.000201 U	7.0	0.002309
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	2.7 U	0.000393 U	1.4 U	0.000204 U	1.4 U	0.000204 U	2.7 U	0.000393 U
Tetrachloroethene	1.6	2.7 U	0.000398 U	0.34 J	0.00005 J	0.41 J	0.00006 J	1.2 J	0.000177 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
Tetramethylbenzene, 1,2,4,5-	NE	2.2 U	0.000401 U	1.1 U	0.0002 U	0.38 J	0.000069 J	2.2 U	0.000401 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
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	1.4 U	0.000407 U	0.69 U	0.000201 U	0.69 U	0.000201 U	1.4 U	0.000407 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	1.6 U	0.000404 U	0.79 U	0.000199 U	0.79 U	0.000199 U	1.6 U	0.000404 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	0.92 J	0.00012 J	1.1 J	0.000144 J	0.84 J	0.00011 J	1.2 J	0.000157 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
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	3.0 U	0.000404 U	1.5 U	0.000202 U	1.5 U	0.000202 U	3.0 U	0.000404 U
Trichloroethane, 1,1,1-	0.7	2.2 U	0.000403 U	1.1 U	0.000202 U	0.33 J	0.00006 J	0.74 J	0.000136 J	2.2 U	0.000403 U	1.1 U	0.000202 U	1.1 U	0.000202 U	2.2 U	0.000403 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	2.2 U	0.000403 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
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	2.2 U	0.000409 U	1.1 U	0.000205 U	1.1 U	0.000205 U	2.2 U	0.000409 U
Trichlorofluoromethane	6.1	1.9 J	0.000338 J	1.6	0.000285	1.4	0.000249	2.0 J	0.000356 J	2.4	0.000427	2.2	0.000392	1.7	0.000303	2.6	0.000463
Trimethylbenzene, 1,2,3-	0.6	2.0 U	0.000407 U	0.83 J	0.000169 J	0.44 J	0.00009 J	0.66 J	0.000134 J	2.0 U	0.000407 U	0.59 J	0.00012 J	0.98 U	0.000199 U	0.89 J	0.000181 J
Trimethylbenzene, 1,2,4-	2.5	2.0 U	0.000407 U	2.4	0.000488	0.79 J	0.000161 J	1.2 J	0.000244 J	2.0 U	0.000407 U	2.3	0.000468	0.39 J	0.000079 J	1.4 J	0.000285 J
Trimethylbenzene, 1,3,5-	1	2.0 U	0.000407 U	0.84 J	0.000171 J	0.25 J	0.000051 J	2.0 U	0.000407 U	2.0 U	0.000407 U	1.2	0.000244	0.98 U	0.000199 U	2.0 U	0.000407 U
Trimethylpentane, 2,2,4-	2	1.9 U	0.000407 U	1.6 J	0.000342 J	0.93 U	0.000199 U	1.9 U	0.000407 U	1.9 U	0.000407 U	5.7	0.00122	0.93 U	0.000199 U	1.9 U	0.000407 U
Undecane, n-	2.3	1.5 J	0.000235 J	3.0 J	0.000469 J	1.5	0.000235	3.8 J	0.000594 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
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	1.8 U	0.000412 U	0.87 U	0.000199 U	0.87 U	0.000199 U	1.8 U	0.000412 U
Vinyl chloride	NE	1.0 U	0.000391 U	0.51 U	0.0002 U	0.51 U	0.0002 U	1.0 U	0.000391 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
Total VOCs (PPMV)	NE	NA	0.030491	NA	0.097697	NA	0.090479	NA	0.170912	NA	0.00771	NA	0.092116	NA	0.009649	NA	0.087116

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:

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

NA - not analyzed
NE - not established

J - estimated value
U - indicates not detected to the reporting limit for organic analysis and the method detection limit for inorganic analysis
UJ - not detected at or above the reporting limit shown and the reporting limit is estimated

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 Q1 2010 96,320 lbs

Month	Operational Days	Oxygen Injected Per Month (Lbs)
Month 1	Apr-10 30	3858
Month 2	May-10 31	4406
Month 3	Jun-10 30	3145
Total Operational Days In Q2 2010		91
Total Oxygen in Q2 2010 (Lbs)		11,408.68
Running Total Through Q2 2010 (Lbs)		107,728.68

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
 PSla (P) = Pressure converted to atmospheric pressure.
 $n = PV/RT = (\text{lb Moles})$
 $\text{lbs} = n * 32 \text{ lb/lb mole}$
 Temperature = Degrees Rankine
 R = Constant (0.73)

		4/27/2010							5/24/2010							6/22/2010						
		67.3							69.9							65.8						
		10.73							10.73							10.73						
		530							530							530						
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSla (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSla (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSla (P)	n=PV/RT lbs O2		
Injection Bank 1	Point 1	41	34	47.805	95.610	17.5	32.2	0.364	54	75.925	151.851	17.5	32.2	0.601	32	44.642	89.284	17.0	31.7	0.327		
	Point 4	26	33	38.090	76.180	7.0	21.7	0.196	34	38.789	77.579	6.5	21.2	0.202	23	26.240	52.480	6.5	21.2	0.129		
	Point 5	41	33	43.805	87.609	14.0	28.7	0.298	32	42.106	84.211	13.5	28.2	0.292	29	38.158	76.316	13.5	28.2	0.249		
	Point 8	26	32	37.148	74.295	7.3	21.95	0.193	30	34.627	69.254	7.0	21.7	0.185	24	27.542	55.083	6.8	21.45	0.137		
	Point 9	41	36	47.578	95.157	13.8	28.45	0.320	34	44.737	89.474	13.5	28.2	0.310	28	36.679	73.357	13.3	27.95	0.237		
	Point 12	26	29	33.856	67.713	7.5	22.2	0.178	29	33.856	67.713	7.5	22.2	0.185	18	20.776	41.553	7.0	21.7	0.104		
	Point 13	41	33	43.995	87.990	14.3	28.95	0.301	31	41.150	82.300	14.0	28.7	0.290	27	35.684	71.367	13.8	28.45	0.235		
Point 16	26	37	43.680	87.359	8.0	22.7	0.235	36	42.029	84.057	7.5	22.2	0.229	31	36.191	72.382	7.5	22.2	0.186			
Total Oxygen Injected per Day (lb/day)		66.717							73.419							51.339						
Injection Bank 2	Point 2	26	32	37.359	74.717	7.5	22.2	0.196	32	37.359	74.717	7.5	22.2	0.204	29	33.473	66.946	7.0	21.7	0.168		
	Point 3	41	29	40.775	81.549	17.5	32.2	0.311	32	44.993	89.986	17.5	32.2	0.356	26	36.272	72.543	17	31.7	0.266		
	Point 6	26	32	37.359	74.717	7.5	22.2	0.196	36	42.029	84.057	7.5	22.2	0.229	32	37.148	74.295	7.25	21.95	0.189		
	Point 7	41	31	41.150	82.300	14.0	28.7	0.280	33	43.613	87.227	13.8	28.45	0.305	27	35.527	71.053	13.5	28.2	0.232		
	Point 10	26	33	38.958	77.915	8.0	22.7	0.209	35	40.861	81.722	7.5	22.2	0.223	29	33.856	67.713	7.5	22.2	0.174		
	Point 11	41	30	39.649	79.297	13.75	28.45	0.267	34	44.737	89.474	13.5	28.2	0.310	27	35.369	70.737	13.25	27.95	0.229		
	Point 14	26	31	36.597	73.193	8	22.7	0.197	33	38.526	77.052	7.5	22.2	0.210	28	32.689	65.378	7.5	22.2	0.168		
Point 15	41	30	40.168	80.336	14.5	29.2	0.278	33	43.805	87.609	14.0	28.7	0.309	28	37.168	74.335	14	28.7	0.247			
Total Oxygen Injected per Day (lb/day)		61.868							68.699							53.509						
System Total (lb/day)		128.59							142.12							104.85						

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)

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)

System was down March 13 and March 14, 2010 due to power loss.

Appendix C
Table C-1
Operational Data
Garnier 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 Q1 2010 437,668 lbs

Operational Days		Oxygen Injected Per Month
Month 1	Apr-10	30
Month 2	May-10	31
Month 3	Jun-10	30
Total Operational Days In Q2 2010		91
Total Oxygen in Q2 2010 (Lbs)		28,662.42
Running Total Through Q2 2010 (Lbs)		466,330.42

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)

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)

		4/26/2010							2/23/2010							6/23/2010						
		86.3							91.9							88.7						
		10.73							10.73							10.73						
		530							530							530						
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSia (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSia (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSia (P)	n=PV/RT lbs O2		
MID PLUME Injection Bank 1	Point 1	25	30	36.943	39.406	10.0	24.7	0.148	30	41.187	43.932	16.0	30.7	0.218	28	34.130	36.405	9.5	24.2	0.137		
	Point 2	25	28	33.055	35.259	8.0	22.7	0.121	30	35.416	37.777	8.0	22.7	0.139	28	33.055	35.259	8.0	22.7	0.125		
	Point 3	25	30	35.416	37.777	8.0	22.7	0.130	32	37.777	40.296	8.0	22.7	0.148	29	34.235	36.518	8.0	22.7	0.129		
	Point 4	25	30	35.416	37.777	8.0	22.7	0.130	30	35.024	37.359	7.5	22.2	0.134	30	35.024	37.359	7.5	22.2	0.129		
	Point 5	25	30	35.416	37.777	8.0	22.7	0.130	32	37.359	39.849	7.5	22.2	0.143	26	30.354	32.378	7.5	22.2	0.112		
	Point 6	25	30	36.188	38.600	9.0	23.7	0.139	30	35.804	38.191	8.5	23.2	0.143	29	34.235	36.518	8.0	22.7	0.129		
	Point 7	25	30	35.416	37.777	8.0	22.7	0.130	32	36.936	39.998	7.0	21.7	0.138	27	31.164	33.242	7.0	21.7	0.113		
	Point 8	25	30	35.416	37.777	8.0	22.7	0.130	30	35.416	37.777	8.0	22.7	0.139	29	33.856	36.113	7.5	22.2	0.125		
	Point 9	50	28	40.868	43.593	20.0	34.7	0.230	30	43.471	46.369	19.5	34.2	0.256	26	37.398	39.892	19.0	33.7	0.210		
	Point 10	25	28	33.055	35.259	8.0	22.7	0.121	30	35.416	37.777	8.0	22.7	0.139	29	34.235	36.518	8.0	22.7	0.129		
Total Oxygen Injected per Day (lb/day)		45.109							51.075							42.843						
MID PLUME Injection Bank 2	Point 11	25	30	35.416	37.777	8.0	22.7	0.130	30	35.416	37.777	8.0	22.7	0.139	23	27.152	28.962	8.0	22.7	0.103		
	Point 12	50	26	32.017	34.152	10.0	24.7	0.128	30	43.152	46.029	19.0	33.7	0.251	20	28.768	30.696	19.0	33.7	0.161		
	Point 13	25	28	33.055	35.259	8.0	22.7	0.121	28	33.055	35.259	8.0	22.7	0.129	28	32.689	34.868	7.5	22.2	0.121		
	Point 14	68	10	16.000	17.067	27.0	41.7	0.108	32	51.202	54.615	27.0	41.7	0.368	33	52.802	56.322	27.0	41.7	0.366		
	Point 15	25	28	33.055	35.259	8.0	22.7	0.121	30	35.416	37.777	8.0	22.7	0.139	22	25.972	27.703	8.0	22.7	0.098		
	Point 16	50	26	37.398	39.892	19.0	33.7	0.204	32	46.029	49.097	19.0	33.7	0.267	27	38.837	41.426	19.0	33.7	0.218		
	Point 17	25	28	33.055	35.259	8.0	22.7	0.121	30	35.416	37.777	8.0	22.7	0.139	22	25.972	27.703	8.0	22.7	0.098		
	Point 18	66	10	16.000	17.067	27.0	41.7	0.108	30	48.574	51.812	28.0	42.7	0.358	28	45.600	48.640	28.5	43.2	0.328		
	Point 19	25	26	30.694	32.740	8.0	22.7	0.113	30	35.416	37.777	8.0	22.7	0.139	24	28.019	29.887	7.5	22.2	0.103		
	Point 20	50	26	37.398	39.892	19.0	33.7	0.204	32	45.341	48.363	18.0	32.7	0.256	25	35.960	38.357	19.0	33.7	0.202		
Total Oxygen Injected per Day (lb/day)		43.498							69.850							57.525						
MID PLUME Injection Bank 3	Point 21	27	24	28.950	30.880	9.0	23.7	0.111	26	31.030	33.099	8.5	23.2	0.124	23	27.450	29.280	8.5	23.2	0.106		
	Point 22	65.5	28	46.385	49.477	30.0	44.7	0.336	40	66.264	70.682	30.0	44.7	0.511	46	76.204	81.284	30.0	44.7	0.567		
	Point 23	25	24	28.333	30.222	8.0	22.7	0.104	26	30.694	32.740	8.0	22.7	0.120	22	25.684	27.396	7.5	22.2	0.095		
	Point 24	50	30	43.788	46.707	20.0	34.7	0.246	36	52.165	55.643	19.5	34.2	0.308	31	44.590	47.563	19.0	33.7	0.250		
	Point 25	25	24	28.333	30.222	8.0	22.7	0.104	26	30.694	32.740	8.0	22.7	0.120	23	26.852	28.642	7.5	22.2	0.099		
	Point 26	25	30	35.416	37.777	8.0	22.7	0.130	28	32.689	34.868	7.5	22.2	0.125	24	28.019	29.887	7.5	22.2	0.103		
	Point 27	25	24	28.333	30.222	8.0	22.7	0.104	26	30.010	32.011	7.0	21.7	0.112	22	25.393	27.086	7.0	21.7	0.092		
	Point 28	25	26	30.694	32.740	8.0	22.7	0.113	24	28.019	29.887	7.5	22.2	0.107	24	28.019	29.887	7.5	22.2	0.103		
	Point 29	25	30	35.416	37.777	8.0	22.7	0.130	26	30.694	32.740	8.0	22.7	0.120	27	31.874	33.999	8.0	22.7	0.120		
	Point 30	25	28	33.055	35.259	8.0	22.7	0.121	28	32.689	34.868	7.5	22.2	0.125	25	28.856	30.780	7.0	21.7	0.104		
Total Oxygen Injected per Day (lb/day)		47.983							56.708							52.477						
TAIL PLUME Injection Bank 4	Point 1	25	30	36.943	39.406	10.0	24.7	0.148	32	39.406	42.033	10.0	24.7	0.168	27	33.249	35.465	10.0	24.7	0.137		
	Point 2	27	28	35.171	37.516	11.0	25.7	0.146	30	37.684	40.196	11.0	25.7	0.167	26	32.340	34.496	10.5	25.2	0.136		
	Point 3	30	26	33.288	35.508	12.0	26.7	0.144	34	43.937	46.866	12.5	27.2	0.206	29	37.129	39.605	12.0	26.7	0.165		
	Point 4	35	28	37.168	39.645	14.0	28.7	0.173	34	43.937	46.866	12.5	27.2	0.206	28	36.514	38.949	13.0	27.7	0.168		
	Point 5	35	30	39.122	41.731	13.0	27.7	0.175	36	46.947	50.077	13.0	27.7	0.224	29	37.818	40.340	13.0	27.7	0.174		
	Point 6	40	30	41.187	43.932	16.0	30.7	0.205	38	52.593	56.099	16.5	31.2	0.283	30	41.187	43.932	16.0	30.7	0.210		
	Point 7	45	30	42.507	45.341	18.0	32.7	0.225	36	58.288	62.174	28.0	42.7	0.429	28	39.673	42.318	18.0	32.7	0.216		
	Point 8	45	28	39.673	42.318	18.0	32.7	0.210	32	45.686	48.732	18.5	33.2	0.261	30	42.507	45.341	18.0	32.7	0.231		
	Point 9	45	28	39.673	42.318	18.0	32.7	0.210	34	48.541	51.778	18.5	33.2	0.278	28	39.673	42.318	18.0	32.7	0.216		
	Point 10	45	32	45.341	48.363	18.0	32.7	0.240	38	53.842	57.432	18.0	32.7	0.303	31	43.924	46.852	18.0	32.7	0.239		
Total Oxygen Injected per Day (lb/day)		60.020							80.815							60.543						
TAIL PLUME Injection Bank 5	Point 11	45	34	47.432	50.594	17.0	31.7	0.243	34	48.541	51.778	18.5	33.2	0.278	24	34.265	36.549	18.5	33.2	0.189		
	Point 12	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Point 13	45	28	40.275	42.960	19.0	33.7	0.220	34	48.541	51.778	18.5	33.2	0.278	28	39.975	42.640	18.5	33.2	0.221		
	Point 14	40	32	44.642	47.618	17.0	31.7	0.229	36	49.424	52.719	16.0	30.7	0.262	31	42.559	45.397	16.0	30.7	0.217		
	Point 15	35	30	39.822	42.477	14.0	28.7	0.185	36	47.787	50.973	14.0	28.7	0.236	29	38.495	41.061	14.0	28.7	0.184		
	Point 16	35	32	43.932	46.861	16.0	30.7	0.218	36	49.424	52.719	16.0	30.7	0.262	32	43.211	46.092	15.0	29.7	0.214		
	Point 17	35	30	39.822	42.477	14.0	28.7	0.185	36	47.787	50.973	14.0	28.7	0.236	29	38.495	41.061	14.0	28.7	0.184		
	Point 18	35	30	39.822	42.477	14.0	28.7	0.185	34	44.339	47.295	13.0	27.7	0.212	28	36.514	38.949	13.0	27.7	0.168		
	Point 19	35	28	37.168	39.645	14.0	28.7	0.173	32	42.106	44.913	13.5	28.2	0.205	28</							

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 Q1 2010 64,253 lbs

O2%
R
Temp R (T)

Operational Days		Oxygen Injected Per Month
Month 1	Apr-10	30
Month 2	May-10	31
Month 3	Jun-10	30
Total Operational Days In Q2 2010		91
Total Oxygen in Q2 2010 (Lbs)		13,635.34
Running Total Through Q2 2010 (Lbs)		77,888.34

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 (0.73)

System Operating Specs
 Total of 6 injection banks
 Oxygen is injected for 13 minutes during each injection cycle
 Each Injection bank operates for 4 injection cycles per day
 Each injection point injects oxygen for 52 min per day (13 min per cycle * 4 Cycles)

Example
 Bank 1 starts at 7AM
 Bank 1 finishes injection at 7:13AM
 System is recharging 7:13AM to 8:00AM

System is recharging 8:13AM to 9:00AM
 Bank 3 starts injection at 9:00AM
 Bank 3 finishes injection at 9:13AM
 System is recharging from 9:13AM to 10:00AM
 Bank 4 starts injection at 10:00AM
 Bank 4 finishes injection at 10:13AM
 System is recharging from 10:13AM to 11:00PM
 Bank 5 starts injection at 11:00AM
 Bank 5 finishes injection at 11:13AM
 System is recharging from 11:13AM to 12:00PM

Bank 6 starts injection at 12:00PM
 System is recharging from 12:13PM to 1:00PM
 (Keep repeating cycle for course of day)

** Due to the request of the property owner, the system will not inject during the hours of 8:00AM and 8:30AM and 11:00AM and 4:00PM.
 The oxygen weights have been adjusted to incorporate this schedule.

		4/28/2010							6/8/2010							6/29/2010						
		67.3							90.2							94.5						
		10.73							10.73							10.73						
		530							530							530						
	Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSia (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSia (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSia (P)	n=PV/RT lbs O2			
Injection Bank 1	Point 1A	30	28	35.512	30.777	11.5	26.2	0.095	43	54.013	46.811	11	25.7	0.191	28	35.171	30.482	11	25.7	0.130		
	Point 7A	30	28	34.828	30.184	10.5	25.2	0.090	44	54.183	46.959	10	24.7	0.184	22	27.092	23.479	10	24.7	0.096		
	Point 7B	64	33	52.165	45.209	26	40.7	0.218	42	65.982	57.185	25.5	40.2	0.365	28	43.714	37.885	25	39.7	0.250		
	Point 13A	25	27	31.521	27.319	7.5	22.2	0.072	45	51.941	45.015	7	21.7	0.155	22	25.393	22.007	7	21.7	0.079		
	Point 13B	52	30	44.102	38.222	20.5	35.2	0.159	41	59.843	51.864	20	34.7	0.285	29	42.328	36.684	20	34.7	0.212		
	Point 19A	25	25	29.837	25.858	8.5	23.2	0.071	45	53.124	46.041	8	22.7	0.166	29	34.235	29.671	8	22.7	0.112		
	Point 19B	44	34	47.805	41.431	17.5	32.2	0.158	44	61.383	53.198	17	31.7	0.267	21	29.296	25.390	17	31.7	0.134		
Total Oxygen Injected per Day (lb/day)		27.618							51.617							32.417						
Injection Bank 2	Point 2A	32	27	34.569	29.960	12	26.7	0.095	35	44.811	38.837	12	26.7	0.164	20	25.607	22.192	12	26.7	0.098		
	Point 8A	45	27	37.667	32.645	17	31.7	0.122	39	54.408	47.153	17	31.7	0.237	20	27.458	23.797	16	30.7	0.121		
	Point 8B	64	29	45.275	39.238	25	39.7	0.184	30	46.540	40.335	24.5	39.2	0.251	24	36.994	32.061	24	38.7	0.206		
	Point 8C	25	30	35.416	30.694	8	22.7	0.082	37	43.196	37.437	7.5	22.2	0.132	19	22.430	19.439	8	22.7	0.073		
	Point 14A	25	29	34.610	29.996	8.5	23.2	0.082	35	41.771	36.202	8.5	23.2	0.133	18	21.250	18.416	8	22.7	0.069		
	Point 14B	52	30	43.471	37.675	19.5	34.2	0.152	36	51.782	44.878	19	33.7	0.240	22	31.645	27.426	19	33.7	0.154		
	Point 20A	25	28	33.055	28.648	8	22.7	0.077	36	42.499	36.833	8	22.7	0.133	24	28.333	24.555	8	22.7	0.093		
Point 20B	42	30	41.521	35.985	16.5	31.2	0.133	36	49.424	42.834	16	30.7	0.209	19	26.085	22.607	16	30.7	0.115			
Total Oxygen Injected per Day (lb/day)		29.715							47.950							29.772						
Injection Bank 3	Point 3A	25	26	30.694	26.601	8	22.7	0.071	42	49.582	42.971	8	22.7	0.155	22	25.684	22.260	7.5	22.2	0.082		
	Point 3B	35	23	29.447	25.521	12	26.7	0.081	43	55.054	47.713	12	26.7	0.202	18	22.829	19.785	11.5	26.2	0.086		
	Point 9A	45	25	34.600	29.987	16.5	31.2	0.111	47	65.049	56.376	16.5	31.2	0.279	20	27.458	23.797	16	30.7	0.121		
	Point 9B	64	29	44.120	38.237	23	37.7	0.171	37	55.916	48.461	22.5	37.2	0.286	28	42.030	36.426	22	36.7	0.222		
	Point 9C	25	25	29.186	25.295	7.5	22.2	0.066	52	60.708	52.613	7.5	22.2	0.185	13	15.005	13.004	7	21.7	0.047		
	Point 15A	25	22	26.114	22.632	8.25	22.95	0.061	33	38.958	33.763	8	22.7	0.122	28	32.689	28.330	7.5	22.2	0.105		
Point 15B	44	28	38.441	33.315	16	30.7	0.121	45	61.528	53.324	15.75	30.45	0.258	18	24.510	21.242	15.5	30.2	0.107			
Total Oxygen Injected per Day (lb/day)		21.836							47.554							24.634						
Injection Bank 4	Point 4A	25	22	25.972	22.509	8	22.7	0.060	41	48.402	41.948	8	22.7	0.151	28	33.055	28.648	8	22.7	0.108		
	Point 4B	39	20	26.779	23.208	14.5	29.2	0.080	42	55.751	48.318	14	28.7	0.220	27	35.840	31.061	14	28.7	0.148		
	Point 10A	45	22	30.448	26.389	16.5	31.2	0.097	38	52.593	45.580	16.5	31.2	0.226	32	46.029	39.892	19	33.7	0.223		
	Point 10B	64	25	39.275	34.038	25.5	40.2	0.162	35	54.985	47.654	25.5	40.2	0.304	29	45.842	39.729	26	40.7	0.269		
	Point 10C	25	19	22.676	19.652	8.5	23.2	0.054	41	48.402	41.948	8	22.7	0.151	27	31.874	27.624	8	22.7	0.104		
	Point 16A	25	21	24.517	21.248	7.5	22.2	0.056	43	50.201	43.507	7.5	22.2	0.153	27	31.521	27.319	7.5	22.2	0.101		
Point 16B	47	21	29.755	25.788	18	32.7	0.100	41	58.093	50.347	18	32.7	0.261	27	37.963	32.901	17.5	32.2	0.176			
Total Oxygen Injected per Day (lb/day)		19.507							46.904							36.138						
Injection Bank 5	Point 5A	25	24	28.643	24.824	8.5	23.2	0.068	42	49.033	42.495	7.5	22.2	0.150	23	26.547	23.008	7	21.7	0.083		
	Point 5B	42	24	32.134	27.850	14.5	29.2	0.096	40	53.557	46.416	14.5	29.2	0.215	26	34.513	29.911	14	28.7	0.143		
	Point 11A	45	23	32.087	27.808	17	31.7	0.104	39	53.977	46.780	16.5	31.2	0.231	26	35.985	31.187	16.5	31.2	0.162		
	Point 11B	64	25	38.535	33.397	24	38.7	0.153	33	50.867	44.085	24	38.7	0.271	29	44.411	38.490	23.5	38.2	0.244		
	Point 17A	25	21	24.791	21.486	8	22.7	0.058	40	47.221	40.925	8	22.7	0.147	22	25.684	22.260	7.5	22.2	0.082		
	Point 17B	45	22	30.933	26.808	17.5	32.2	0.102	42	59.053	51.179	17.5	32.2	0.261	23	32.087	27.808	17	31.7	0.146		
Point 21A	25	23	27.450	23.790	8.5	23.2	0.065	45	53.416	46.294	8.25	22.95	0.169	22	25.972	22.509	8	22.7	0.085			
Total Oxygen Injected per Day (lb/day)		20.699							46.206							30.244						
Injection Bank 6	Point 6A	30	24	28.643	24.824	8.5	23.2	0.068	38	44.860	38.879	8	22.7	0.140	23	27.152	23.532	8	22.7	0.089		
	Point 6B	52	25	36.226	31.396	19.5	34.2	0.127	41	59.410	51.489	19.5	34.2	0.279	23	33.083	28.672	19	33.7	0.161		
	Point 12A	25	23	27.152	23.532	8	22.7	0.063	43	50.201	43.507	7.5	22.2	0.153	20	23.349	20.236	7.5	22.2	0.075		
	Point 12B	54	26	38.761	33.593	21.5	36.2	0.144	38	56.258	48.757	21	35.7	0.276	30	44.414	38.492	21	35.7	0.228		
	Point 18A	25	25	29.837	25.858	8.5	23.2	0.071	40	47.221	40.925	8	22.7	0.147	26	30.694	26.601	8	22.7	0.100		
	Point 18B	45	29	40.457	35.063	17	31.7	0.132	41	57.198	49.571	17	31.7	0.249	23	32.087	27.808	17	31.7	0.146		
Point 21B	42	26	35.695	30.936	16	30.7	0.112	42	57.190	49.564	15.5	30.2	0.237	23	31.058	26.917	15	29.7	0.133			
Total Oxygen Injected per Day (lb/day)		22.953							47.442							29.824						
System Total (lb/day)		142.33							287.67							183.03						

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 Q1 2010 108,433 lbs

O2%
R
Temp R (T)

Operational Days		Oxygen Injected Per Month
Month 1	Jan-10	30
Month 2	Feb-10	31
Month 3	Mar-10	30
Total Operational Days In Q2 2010		91
Total Oxygen in Q2 2010 (Lbs)		18,644.57
Running Total Through Q2 2010 (Lbs)		127,077.57

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)

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 7:13AM
 System is recharging 7:13AM to 8:00AM

System is recharging 8:13AM to 9:00AM
 Bank 3 starts injection at 9:00AM
 Bank 3 finishes injection at 9:13AM
 System is recharging from 9:13AM to 10:00AM
 Bank 4 starts injection at 10:00AM
 Bank 4 finishes injection at 10:13AM
 System is recharging from 10:13AM to 11:00PM
 Bank 5 starts injection at 11:00AM
 Bank 5 finishes injection at 11:13AM
 System is recharging from 11:13AM to 12:00PM

Bank 6 starts injection at 12:00PM
 System is recharging from 12:13PM to 100PM
 (Keep repeating cycle for course of day)

	Depth	4/27/2010						5/28/2010						6/24/2010							
		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		
		88.7						85.2						93							
		10.73						10.73						10.73							
		530						530						530							
Injection Bank 1	Point 1A	65	30	48.001	41.601	27	41.7	0.271	17	26.873	23.290	26	40.7	0.142	30	47.422	41.099	26	40.7	0.274	
	Point 1B	45	28	39.673	34.383	18	32.7	0.175	48	68.011	58.943	18	32.7	0.289	29	40.457	35.063	17	31.7	0.182	
	Point 2	30	26	33.906	29.385	13	27.7	0.127	44	57.895	50.176	13.5	28.2	0.212	33	43.035	37.297	13	27.7	0.169	
	Point 13A	65	30	46.836	40.591	25	39.7	0.251	41	63.198	54.772	24	38.7	0.318	28	43.160	37.405	24	38.7	0.237	
	Point 13B	45	32	44.642	38.690	17	31.7	0.191	56	77.815	67.440	16.75	31.45	0.318	26	35.985	31.187	16.5	31.2	0.159	
	Point 14	30	24	30.147	26.127	11	25.7	0.105	58	72.143	62.524	10.5	25.2	0.236	22	26.816	23.241	9.5	24.2	0.092	
	Point 25A	45	-	-	-	-	-	-	-	30	41.187	35.695	16	30.7	0.164	11	11.467	9.938	3	17.7	0.026
	Point 25B	30	30	37.684	32.659	11	25.7	0.131	52	64.680	56.056	10.5	25.2	0.212	36	44.332	38.421	10	24.7	0.155	
Total Oxygen Injected per Day (lb/day)		40.038						60.478						41.396							
Injection Bank 2	Point 3A	65	18	28.102	24.355	25	39.7	0.151	0	0.000	0.000	26	40.7	0.000	23	35.908	31.120	25.5	40.2	0.195	
	Point 3B	45	200	270.068	234.059	15	29.7	1.084	54	72.918	63.196	15	29.7	0.293	24	32.408	28.087	14.5	29.2	0.128	
	Point 4	30	24	30.147	26.127	11	25.7	0.105	40	50.245	43.546	10.5	25.2	0.171	26	32.659	28.305	10	24.7	0.109	
	Point 15A	65	26	40.077	34.733	24	38.7	0.210	22	33.911	29.390	24	38.7	0.177	27	41.618	36.069	24	38.7	0.218	
	Point 15B	45	20	27.901	24.181	17	31.7	0.120	62	86.494	74.962	17	31.7	0.371	28	39.062	33.854	16.5	31.2	0.165	
	Point 16	30	26	32.017	27.748	10	24.7	0.107	63	77.581	67.237	10	24.7	0.259	31	38.175	33.085	9.5	24.2	0.125	
	Point 26A	45	22	29.203	25.309	14	28.7	0.113	53	70.353	60.972	17	31.7	0.301	0	0.000	0.000	0	14.7	0.000	
	Point 26B	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	14.7	-
Total Oxygen Injected per Day (lb/day)		60.454						50.318						30.062							
Injection Bank 3	Point 5A	65	30	48.574	42.097	28	42.7	0.280	0	0.000	0.000	26.5	41.2	0.000	26	41.601	36.054	27	41.7	0.246	
	Point 5B	45	26	36.272	31.435	17	31.7	0.155	62	85.809	74.368	16.5	31.2	0.348	34	47.057	40.782	16.5	31.2	0.208	
	Point 6	30	34	41.013	35.544	9	23.7	0.131	80	95.477	82.747	8.5	23.2	0.288	29	34.610	29.996	8.5	23.2	0.114	
	Point 17A	65	28	42.598	36.919	23	37.7	0.217	22	33.136	28.718	22.25	36.95	0.159	30	46.243	40.077	24	38.7	0.254	
	Point 17B	45	28	39.062	33.854	17	31.7	0.167	68	94.113	81.565	16.5	31.2	0.381	26	35.985	31.187	16.5	31.2	0.159	
	Point 18	30	28	34.480	29.883	10	24.7	0.115	89	110.702	95.942	10.5	25.2	0.362	25	30.786	26.681	10	24.7	0.108	
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Oxygen Injected per Day (lb/day)		34.137						49.206						34.825							
Injection Bank 4	Point 7A	65	20	32.001	27.734	27	41.7	0.180	27	42.942	37.216	26.5	41.2	0.230	27	42.680	36.989	26	40.7	0.246	
	Point 7B	45	16	22.321	19.345	17	31.7	0.096	18	25.111	21.763	17	31.7	0.103	24	33.216	28.788	16.5	31.2	0.147	
	Point 8	30	20	25.122	21.773	11	25.7	0.087	39	48.750	42.250	10.75	25.45	0.161	22	27.365	23.716	10.5	25.2	0.098	
	Point 19A	65	20	31.615	27.400	26	40.7	0.174	19	30.034	26.030	26	40.7	0.159	6	9.484	8.220	26	40.7	0.055	
	Point 19B	45	16	22.321	19.345	17	31.7	0.096	34	47.432	41.108	17	31.7	0.195	24	33.216	28.788	16.5	31.2	0.147	
	Point 20	30	22	27.092	23.479	10	24.7	0.090	34	42.291	36.652	10.5	25.2	0.138	25	30.786	26.681	10	24.7	0.108	
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Oxygen Injected per Day (lb/day)		23.147						31.568						25.606							
Injection Bank 5	Point 9A	65	28	44.801	38.828	27	41.7	0.253	0	0.000	0.000	16	30.7	0.000	20	31.809	27.567	26.5	41.2	0.186	
	Point 9B	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Point 10	30	24	29.555	25.614	10	24.7	0.099	13	16.009	13.874	10	24.7	0.051	23	28.323	24.547	10	24.7	0.099	
	Point 21A	65	26	40.591	35.179	25	39.7	0.218	0	0.000	0.000	14	28.7	0.000	21	32.785	28.414	25	39.7	0.184	
	Point 21B	45	24	33.482	29.017	17	31.7	0.143	0	0.000	0.000	9.5	24.2	0.000	21	28.831	24.987	16	30.7	0.125	
	Point 22	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total Oxygen Injected per Day (lb/day)		22.801						1.643						19.034							
Injection Bank 6	Point 11A	65	26	41.099	35.619	26	40.7	0.226	31	49.003	42.469	26	40.7	0.259	31	48.701	42.208	25.5	40.2	0.277	
	Point 11B	45	28	39.062	33.854	17	31.7	0.167	0	0.000	0.000	8.5	23.2	0.000	11	15.224	13.194	16.5	31.2	0.067	
	Point 12	30	26	32.659	28.305	11	25.7	0.113	42	52.241	45.276	10.5	25.2	0.171	24	29.555	25.614	10	24.7	0.103	
	Point 23	65	24	37.938	32.880	26	40.7	0.209	0	0.000	0.000	11.25	25.95	0.000	19	30.034	26.030	26	40.7	0.173	
	Point 24A	55	28	42.030	36.426	22	36.7	0.209	34	50.336	43.624	21	35.7	0.233	27	40.252	34.885	21.5	36.2	0.207	
	Point 24B	30	28	35.171	30.482	11	25.7	0.122	33	41.047	35.574	10.5	25.2	0.134	28	34.828	30.184	10.5	25.2	0.124	
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total Oxygen Injected per Day (lb/day)		33.484						25.521						30.477							
System Total (lb/day)		214.06						218.73						181.40							

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 Q1 2010 83,200 lbs

Operational Days	Oxygen Injected Per Month
Month 1 Apr-10	30
Month 2 May-10	31
Month 3 Jun-10	30
Total Operational Days In Q2 2010	91
Total Oxygen in Q2 2010 (Lbs)	24,183.33
Running Total Through Q2 2010 (Lbs)	107,383.33

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
 PSla (P) = Pressure converted to atmospheric pressure.
 n = PV/RT = (lb Moles)
 lbs = n*32 lb/lb mole
 Temperature = Degrees Rankine
 R = Constant (0.73)

System Operating Specs
 Total of 6 injection banks
 Oxygen is injected for 13 minutes during each injection cycle
 Each Injection bank operates for 4 injection cycles per day
 Each injection point injects oxygen for 64 min per day (13 min per cycle * 4 Cycles)

Example
 Bank 1 starts at 7AM
 Bank 1 finishes injection at 7:13AM
 System is recharging 7:13AM to 8:00AM

System is recharging 8:13AM to 9:00AM
 Bank 3 starts injection at 9:00AM
 Bank 3 finishes injection at 9:13AM
 System is recharging from 9:13AM to 10:00AM
 Bank 4 starts injection at 10:00AM
 Bank 4 finishes injection at 10:13AM
 System is recharging from 10:13AM to 11:00PM
 Bank 5 starts injection at 11:00AM
 Bank 5 finishes injection at 11:13AM
 System is recharging from 11:13AM to 12:00PM

Bank 6 starts injection at 12:00PM
 System is recharging from 12:13PM to 1:00PM
 (Keep repeating cycle for course of day)

	Depth	4/23/2010						5/25/2010						6/30/2010						
		SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSla (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSla (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSla (P)	n=PV/RT lbs O2	
		93						95.1						98.2						
O2% R Temp R (T)		10.73						10.73						10.73						
		530						530						530						
Injection Bank 1	Point 1A	62	24	36.513	31.645	23	37.7	0.195	18	27.019	23.417	22	36.7	0.144	34	51.727	44.830	23	37.7	0.292
	Point 1B	46	24	32.949	28.556	16	30.7	0.143	22	30.203	26.176	16	30.7	0.134	31	42.559	36.885	16	30.7	0.196
	Point 6A	65	26	40.591	35.179	25	39.7	0.228	23	35.681	30.923	24.5	39.2	0.203	40	62.054	53.780	24.5	39.2	0.364
	Point 6B	46	24	33.482	29.017	17	31.7	0.150	21	29.064	25.189	16.5	31.2	0.131	32	44.289	38.383	16.5	31.2	0.207
	Point 11	46	22	30.691	26.599	17	31.7	0.138	24	33.216	28.788	16.5	31.2	0.150	30	41.521	35.985	16.5	31.2	0.194
	Point 35	41	22	29.203	25.309	14	28.7	0.119	25	32.895	28.509	13.5	28.2	0.134	31	40.427	35.036	13	27.7	0.168
	Point 40	41	20	26.548	23.008	14	28.7	0.108	20	26.548	23.008	14	28.7	0.110	32	42.106	36.491	13.5	28.2	0.178
	Point 45	31	22	26.538	22.999	9	23.7	0.089	21	25.597	22.184	9.5	24.2	0.090	33	39.806	34.499	9	23.7	0.141
	Total Oxygen Injected per Day (lb/day)		37.475						35.106						55.633					
	Injection Bank 2	Point 2A	67	20	31.615	27.400	26	40.7	0.182	22	34.562	29.954	25.5	40.2	0.201	32	49.959	43.297	25	39.7
Point 2B		46	20	27.901	24.181	17	31.7	0.125	23	31.832	27.588	16.5	31.2	0.144	28	38.753	33.586	16.5	31.2	0.181
Point 7A		65	24	37.469	32.473	25	39.7	0.211	22	34.130	29.579	24.5	39.2	0.194	34	52.746	45.713	24.5	39.2	0.309
Point 7B		46	18	25.111	21.763	17	31.7	0.113	26	36.414	31.559	17.25	31.95	0.169	30	41.852	36.272	17	31.7	0.199
Point 12		46	24	33.482	29.017	17	31.7	0.150	24	33.216	28.788	16.5	31.2	0.150	30	41.521	35.985	16.5	31.2	0.194
Point 36		36	24	30.147	26.127	11	25.7	0.110	23	28.891	25.039	11	25.7	0.108	30	37.684	32.659	11	25.7	0.145
Point 41		41	22	29.707	25.746	15	29.7	0.125	27	35.840	31.061	14	28.7	0.149	33	43.805	37.964	14	28.7	0.188
Point 46		36	24	30.728	26.631	12	26.7	0.116	24	30.439	26.380	11.5	26.2	0.116	32	40.196	34.836	11	25.7	0.155
Total Oxygen Injected per Day (lb/day)		36.254						39.369						53.353						
Injection Bank 3	Point 3A	24.75	28	43.714	37.885	25	39.7	0.246	26	40.335	34.957	24.5	39.2	0.229	31	48.092	41.679	24.5	39.2	0.282
	Point 3B	16.5	20	27.458	23.797	16	30.7	0.119	28	38.753	33.586	16.5	31.2	0.175	26	35.695	30.936	16	30.7	0.164
	Point 8A	28.5	26	42.587	36.909	29	43.7	0.264	24	39.086	33.874	28.5	43.2	0.245	30	48.574	42.097	28	42.7	0.310
	Point 8B	16.5	24	33.482	29.017	17	31.7	0.150	26	35.985	31.187	16.5	31.2	0.163	28	38.441	33.315	16	30.7	0.177
	Point 32A	24.25	26	40.077	34.733	24	38.7	0.220	27	41.618	36.069	24	38.7	0.233	30	45.943	39.817	23.5	38.2	0.263
	Point 32B	11.5	20	25.122	21.773	11	25.7	0.092	26	32.975	28.579	11.5	26.2	0.125	27	33.915	29.393	11	25.7	0.130
	Point 37	13.5	24	31.858	27.610	14	28.7	0.130	26	34.211	29.649	13.5	28.2	0.140	29	38.158	33.070	13.5	28.2	0.161
Point 42	11.75	20	25.607	22.192	12	26.7	0.097	28	35.512	30.777	11.5	26.2	0.135	30	38.048	32.975	11.5	26.2	0.149	
Total Oxygen Injected per Day (lb/day)		42.158						46.244						52.366						
Injection Bank 4	Point 4A	69	28	44.801	38.828	27	41.7	0.265	27	42.942	37.216	26.5	41.2	0.256	32	50.584	43.839	26	40.7	0.308
	Point 4B	46	26	36.272	31.435	17	31.7	0.163	19	26.506	22.972	17	31.7	0.122	29	40.137	34.785	16.5	31.2	0.187
	Point 9A	71	24	38.401	33.281	27	41.7	0.227	24	38.401	33.281	27	41.7	0.232	34	54.402	47.148	27	41.7	0.339
	Point 9B	46	24	33.482	29.017	17	31.7	0.150	22	30.326	26.283	16.25	30.95	0.136	29	40.137	34.785	16.5	31.2	0.187
	Point 33	42	26	35.109	30.428	15	29.7	0.148	21	27.876	24.159	14	28.7	0.116	29	38.495	33.362	14	28.7	0.165
	Point 38	36	24	30.728	26.631	12	26.7	0.116	20	25.366	21.984	11.5	26.2	0.096	30	37.684	32.659	11	25.7	0.145
Point 43	31	24	29.555	25.614	10	24.7	0.103	20	24.378	21.128	9.5	24.2	0.086	26	31.363	27.181	9	23.7	0.111	
Total Oxygen Injected per Day (lb/day)		37.525						33.410						46.205						
Injection Bank 5	Point 5A	65	22	34.347	29.767	25	39.7	0.193	27	42.153	36.532	25	39.7	0.243	31	48.397	41.944	25	39.7	0.288
	Point 5B	46	20	27.458	23.797	16	30.7	0.119	28	38.753	33.586	16.5	31.2	0.175	27	37.068	32.126	16	30.7	0.170
	Point 10	56	22	32.111	27.829	20	34.7	0.158	27	39.692	34.399	20.5	35.2	0.202	29	42.632	36.948	20.5	35.2	0.225
	Point 34	41	20	26.082	22.604	13	27.7	0.102	24	31.298	27.125	13	27.7	0.126	28	36.514	31.646	13	27.7	0.151
	Point 39	26	20	23.085	20.007	7	21.7	0.071	26	30.010	26.009	7	21.7	0.094	27	31.164	27.009	7	21.7	0.101
	Point 44	36	20	25.607	22.192	12	26.7	0.097	26	32.975	28.579	11.5	26.2	0.125	27	33.915	29.393	11	25.7	0.130
Total Oxygen Injected per Day (lb/day)		23.710						30.896						34.094						
Injection Bank 6	Point 16	40	18	24.306	21.065	15	29.7	0.105	20	27.007	23.406	15	29.7	0.116	20	27.007	23.406	15	29.7	0.120
	Point 19	40	18	24.306	21.065	15	29.7	0.105	0	0.000	0.000	9	23.7	0.000	16	21.423	18.566	14.5	29.2	0.094
	Point 22	40	18	24.306	21.065	15	29.7	0.105	0	0.000	0.000	6.5	21.2	0.000	12	15.929	13.805	14	28.7	0.068
	Point 25A	60	24	36.994	32.061	24	38.7	0.207	22	33.691	29.199	23.5	38.2	0.187	27	41.349	36.835	23.5	38.2	0.236
	Point 25B	29	18	22.166	19.210	10	24.7	0.079	20	24.629	21.345	10	24.7	0.088	19	23.159	20.071	9.5	24.2	0.084
	Point 28	50	18	25.891	22.439	19	33.7	0.126	19	27.228	23.598	18.75	33.45	0.132	24	34.265	29.696	18.5	33.2	0.170
	Point 31A	69	24	38.859	33.678	28	42.7	0.240	20	32.192	27.900	27.5	42.2	0.197	34	54.727	47.430	27.5	42.2	0.346
	Point 31B	40	18	24.306	21.065	15	29.7	0.105	19	25.440	22.048	14.5	29.2	0.108	24	32.134	27.850	14.5	29.2	0.140
Total Oxygen Injected per Day (lb/day)		34.313						26.480						40.276						
Injection Bank 7	Point 14	39	34	46.296	40.124	15.5	30.2	0.203	16	21.605	18.725	15	29.7	0.093	34	45.912	39.790	15	29.7	0.204
	Point 17	40	32	41.352	35.839	12.5	27.2	0.163	18	23.261	20.159	12.5	27.2	0.092	26	33.288	28.850	12	26.7	0.133
	Point 20	40	35	47.262	40.960	15	29.7	0.203	13	17.406	15.085	14.5	29.2	0.074	26	35.109	30.428	15	29.7	0.156
	Point 23	40																		

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
15,394 lbs

	Operational Days	Oxygen Injected Per Month (Lbs)
Month 1	Apr-10 29	1859
Month 2	May-10 31	2016
Month 3	Jun-10 29	1250
Total Operational Days In Q2 2010		89
Total Oxygen in Q2 2010 (Lbs)		5,126.07
Running Total Through Q2 2010 (Lbs)		20,520.07

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
 PSla (P) = Pressure converted to atmospheric pressure.
 n = PV/RT = (lb Moles)
 lbs = n*32 lb/lb mole
 Temperature = Degrees Rankine
 R = Constant (0.73)

* - System was started on August 17, 2009

System Operating Specs

Total of 2 injection banks
 Oxygen is injected for 10 minutes during each injection cycle
 Each Injection bank operates for 12 injection cycles per day
 Each injection point injects oxygen for 120 min per day (10 min per cycle * 12 Cycles)

Example

Bank 1 starts at 7AM
 Bank 1 finishes injection at 710AM
 System is recharging 710AM to 800AM
 Bank 2 starts injection at 800AM
 Bank 2 finishes injection at 810AM
 System is recharging 810AM to 900AM
 Bank 1 starts injection at 900AM
 Bank 1 finishes injection at 910AM
 System is recharging from 910AM to 10AM
 Bank 2 starts injection at 10AM

(Keep repeating cycle for course of day)

System went down briefly on 4/19/10 and 6/30/10 due to power loss.

		4/26/2010							5/28/2010							6/22/2010						
		93							89.9							85.7						
		10.73							10.73							10.73						
		530							530							530						
		O2%							R							Temp R (T)						
Injection Bank 1	Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSla (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSla (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSla (P)	n=PV/RT lbs O2			
	Point 1	39	10	13.951	27.901	17.0	31.7	0.145	10	13.951	27.901	17.0	31.7	0.140	10	13.840	27.680	16.5	31.2	0.137		
Point 2	19	10	11.805	23.611	8.0	22.7	0.088	18	21.250	42.499	8.0	22.7	0.153	10	11.675	23.349	7.5	22.2	0.078			
Point 3	39	12	16.741	33.482	17.0	31.7	0.174	10	13.951	27.901	17.0	31.7	0.140	10	13.503	27.007	15	29.7	0.121			
Point 4	19	12	14.166	28.333	8.0	22.7	0.105	12	14.166	28.333	8.0	22.7	0.102	10	11.675	23.349	7.5	22.2	0.078			
Point 5	44	10	14.384	28.768	19.0	33.7	0.159	10	14.384	28.768	19.0	33.7	0.153	10	14.169	28.338	18	32.7	0.140			
Point 6	19	12	13.851	27.702	7.0	21.7	0.098	10	11.542	23.085	7.0	21.7	0.079	10	11.409	22.817	6.5	21.2	0.073			
Point 7	44	10	14.384	28.768	19.0	33.7	0.159	10	14.384	28.768	19.0	33.7	0.153	10	13.951	27.901	17.0	31.7	0.133			
Point 8	19	12	13.197	26.394	5.0	19.7	0.085	10	10.998	21.995	5.0	19.7	0.068	10	10.857	21.714	4.5	19.2	0.063			
Total Oxygen Injected per Day (lb/day)		32.367							31.617							26.313						
Injection Bank 2	Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSla (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSla (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSla (P)	n=PV/RT lbs O2			
	Point 9	44	10	14.384	28.768	19.0	33.7	0.159	10	14.384	28.768	19.0	33.7	0.153	10	11.205	22.410	5.8	20.45	0.069		
	Point 10	19	12	14.166	28.333	8.0	22.7	0.105	10	11.805	23.611	8.0	22.7	0.085	10	10.571	21.141	3.5	18.2	0.058		
	Point 11	44	10	14.384	28.768	19.0	33.7	0.159	12	17.261	34.522	19.0	33.7	0.184	10	11.542	23.085	7.0	21.7	0.075		
	Point 12	19	10	11.805	23.611	8.0	22.7	0.088	10	11.675	23.349	7.5	22.2	0.082	10	10.571	21.141	3.5	18.2	0.058		
	Point 13	44	10	14.169	28.338	18.0	32.7	0.152	14	20.138	40.275	19.0	33.7	0.215	11	13.682	27.365	10.5	25.2	0.104		
	Point 14	19	12	13.528	27.056	6.0	20.7	0.092	12	13.851	27.702	7.0	21.7	0.095	10	9.500	19.000	0.0	14.7	0.042		
	Point 15	44	10	14.169	28.338	18.0	32.7	0.152	10	14.169	28.338	18.0	32.7	0.146	10	10.424	20.849	3.0	17.7	0.056		
Point 16	19	10	11.805	23.611	8.0	22.7	0.088	10	11.805	23.611	8.0	22.7	0.085	10	10.857	21.714	4.5	19.2	0.063			
Total Oxygen Injected per Day (lb/day)		31.751							33.428							16.799						
System Total Per Day (lb/day)		64.12							65.05							43.11						

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)

Weight of Oxygen Injected through Q2 2010 184,338 lbs

	Operational Days	Oxygen Injected Per Month (Lbs)
Month 1	Apr-10	30
Month 2	May-10	18
Month 3	Jun-10	15
Total Operational Days In Q2 2010		63
Total Oxygen in Q2 2010 (Lbs)		3,455.26
Running Total Through Q2 2010 (Lbs)		187,793.26

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
 PSla (P) = Pressure converted to atmospheric pressure.
 $n = PV/RT = (\text{lb Moles})$
 $\text{lbs} = n * 32 \text{ lb/lb mole}$
 Temperature = Degrees Rankine
 R = Constant (0.73)

		4/22/2010						7/7/2010*						7/7/2010						
		O2%						89.6						89.6						
		R						10.73						10.73						
		Temp R (T)						530						530						
	Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSla (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSla (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSla (P)	n=PV/RT lbs O2	
		Injection Bank 1																		
	Point 1	-	16	18.037	36.074	6.0	20.7	0.039	33	36.750	73.500	5.5	20.2	0.234	33	36.750	73.500	5.5	20.2	0.234
	Point 2	-	24	27.056	54.112	6.0	20.7	0.059	22	24.500	49.000	5.5	20.2	0.156	22	24.500	49.000	5.5	20.2	0.156
	Point 3	-	26	29.311	58.621	6.0	20.7	0.064	20	22.273	44.545	5.5	20.2	0.142	20	22.273	44.545	5.5	20.2	0.142
	Point 4	-	24	27.056	54.112	6.0	20.7	0.059	17	18.932	37.863	5.5	20.2	0.121	17	18.932	37.863	5.5	20.2	0.121
	Point 5	-	26	29.311	58.621	6.0	20.7	0.064	13	14.477	28.954	5.5	20.2	0.092	13	14.477	28.954	5.5	20.2	0.092
	Point 6	-	22	24.801	49.602	6.0	20.7	0.054	15	16.704	33.409	5.5	20.2	0.106	15	16.704	33.409	5.5	20.2	0.106
	Point 7	-	30	34.627	69.254	7.0	21.7	0.079	32	36.508	73.015	6.5	21.2	0.244	32	36.508	73.015	6.5	21.2	0.244
	Point 8	-	26	30.010	60.020	7.0	21.7	0.069	16	18.254	36.508	6.5	21.2	0.122	16	18.254	36.508	6.5	21.2	0.122
Total Oxygen Injected per Day (lb/day)		15.608						38.926						38.926						
Injection Bank 2																				
	Point 9	-	30	33.820	67.640	6.0	20.7	0.074	25	27.841	55.681	5.5	20.2	0.177	25	27.841	55.681	5.5	20.2	0.177
	Point 10	-	26	29.662	59.325	6.5	21.2	0.066	25	28.183	56.366	6.0	20.7	0.184	25	28.183	56.366	6.0	20.7	0.184
	Point 11	-	26	29.311	58.621	6.0	20.7	0.064	17	18.696	37.392	5.0	19.7	0.116	17	18.696	37.392	5.0	19.7	0.116
	Point 12	-	24	27.056	54.112	6.0	20.7	0.059	18	20.045	40.091	5.5	20.2	0.128	18	20.045	40.091	5.5	20.2	0.128
	Point 13	-	28	31.565	63.130	6.0	20.7	0.069	19	20.895	41.791	5.0	19.7	0.130	19	20.895	41.791	5.0	19.7	0.130
	Point 14	-	14	15.591	31.182	5.5	20.2	0.033	26	28.594	57.188	5.0	19.7	0.178	26	28.594	57.188	5.0	19.7	0.178
	Point 15	-	30	33.409	66.818	5.5	20.2	0.071	17	18.696	37.392	5.0	19.7	0.116	17	18.696	37.392	5.0	19.7	0.116
	Point 16	-	14	15.591	31.182	5.5	20.2	0.033	23	25.294	50.589	5.0	19.7	0.157	23	25.294	50.589	5.0	19.7	0.157
Total Oxygen Injected per Day (lb/day)		15.037						37.920						37.920						
System Total Per Day (lb/day)		30.64						76.85						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)

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

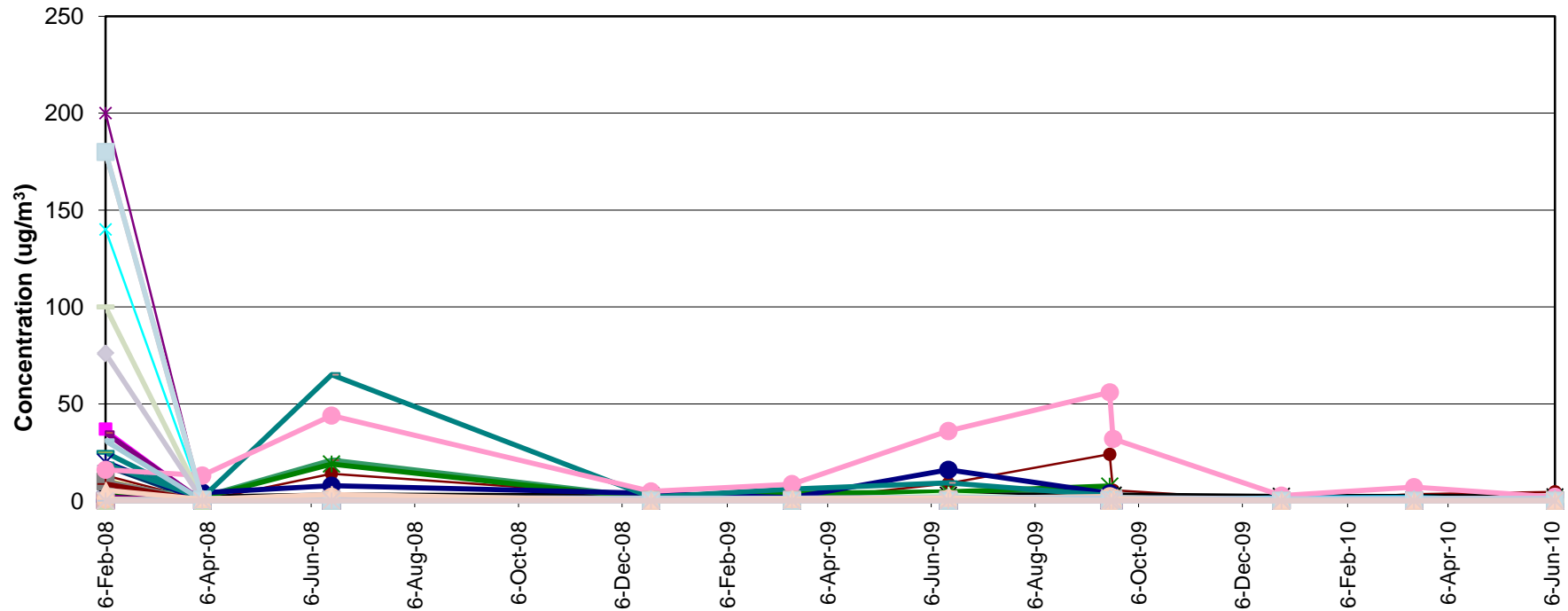
(Keep repeating cycle for course of day)

* Oxygen Weights were calculated based off of July 2010 inspection data and monthly up time.

System was down from May 18, 2010 through June 15, 2010 due to a faulty circuit board within the oxygen generator.

Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

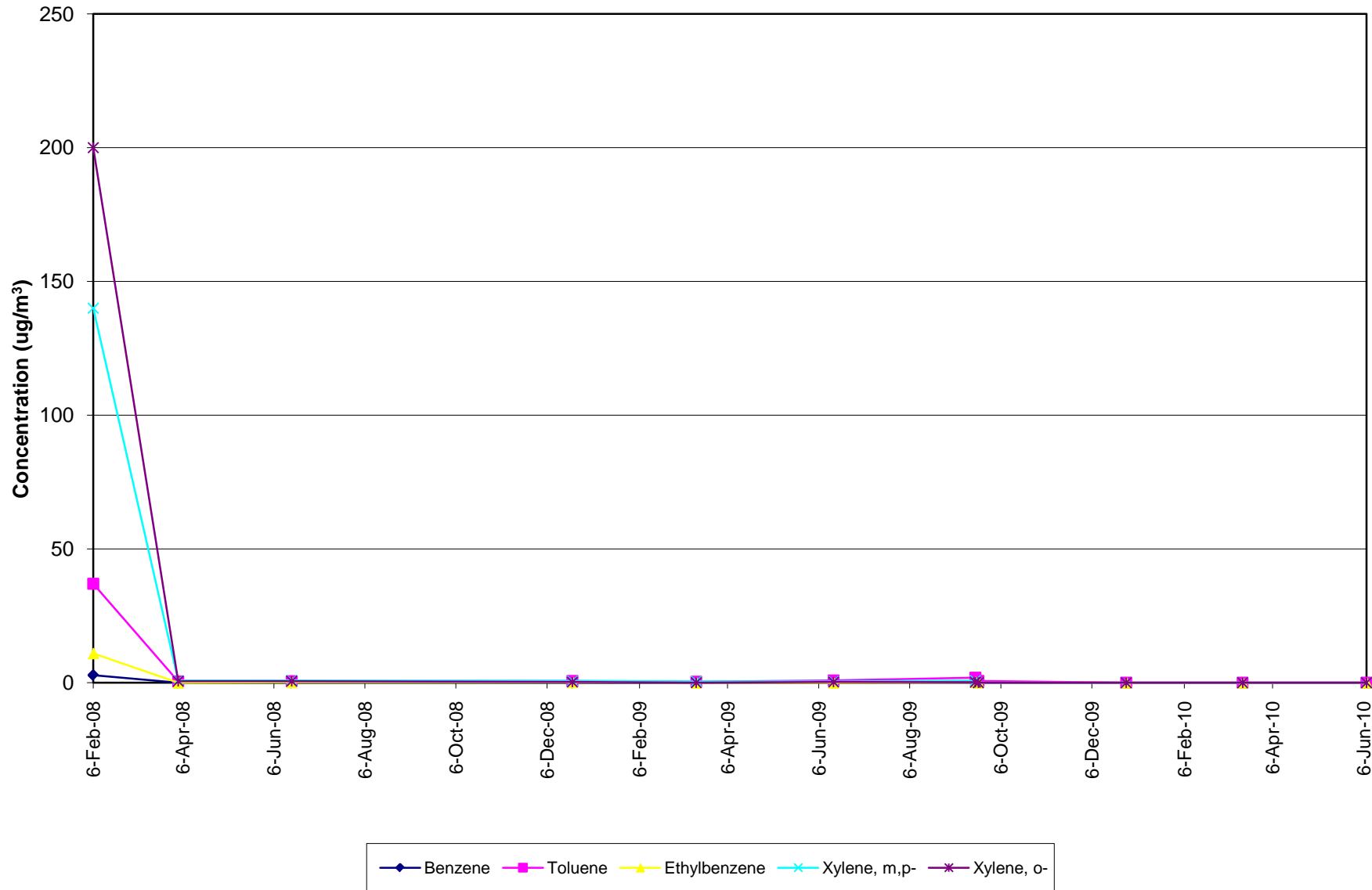
OU1SG06



- | | | | | |
|------------------------------|--------------------------|-----------------------------|---|--------------------------|
| Benzene | Toluene | Ethylbenzene | Xylene, m,p. | Xylene, o- |
| Acetaldehyde | Acetone | Acrolein (propenal) | Allyl chloride | Benzo thiophene |
| Bromodichloromethane | Bromoform | Bromomethane | Butadiene, 1,3- | Butane |
| Butanone, 2- | Carbon disulfide | Carbon tetrachloride | Chlorobenzene | Chloroethane |
| Chloroform | Chloromethane | Chlorotoluene, 2- | Cryofluorane | Cyclohexane |
| Decane, n- | Dibromochloromethane | Dibromoethane, 1,2- | Dichlorobenzene, 1,2- | Dichlorobenzene, 1,3- |
| Dichlorobenzene, 1,4- | Dichlorodifluoromethane | Dichloroethane, 1,1- | Dichloroethane, 1,2- | Dichloroethane, 1,1- |
| Dichloroethene, cis-1,2- | Dichloropropane, 1,2- | Dichloropropene, cis-1,3 | Dichloropropene, trans-1,3 | Dioxane, 1,4- |
| Dodecane, n- | Ethanol | Ethylthiophene, 2- | Ethyltoluene, p- | Heptane, n- |
| Hexachlorobutadiene | Hexane, n- | Hexanone, 2- | Hydrogen sulfide | Indan |
| Indene | Isopropyl benzene | Methyl tert-butyl ether | Methyl-2-pentanone, 4- | Methylene chloride |
| 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 | | | | |

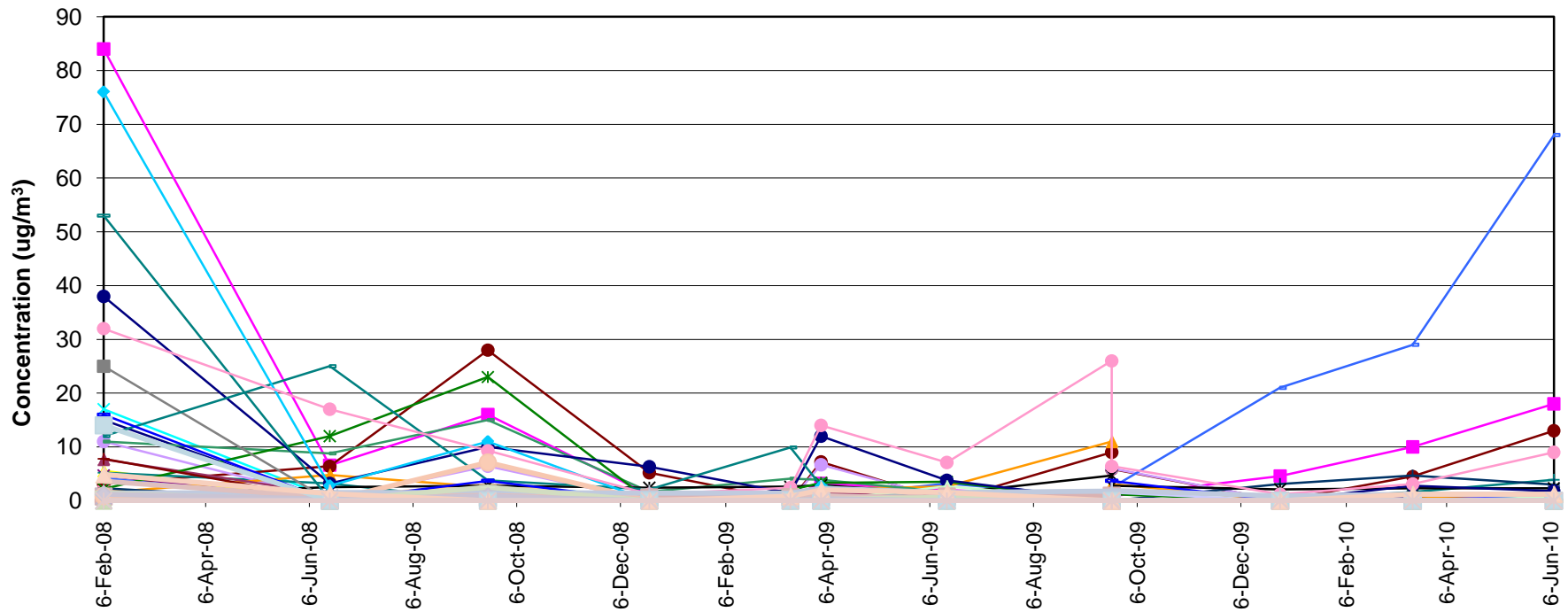
Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU1SG06 BTEX



Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

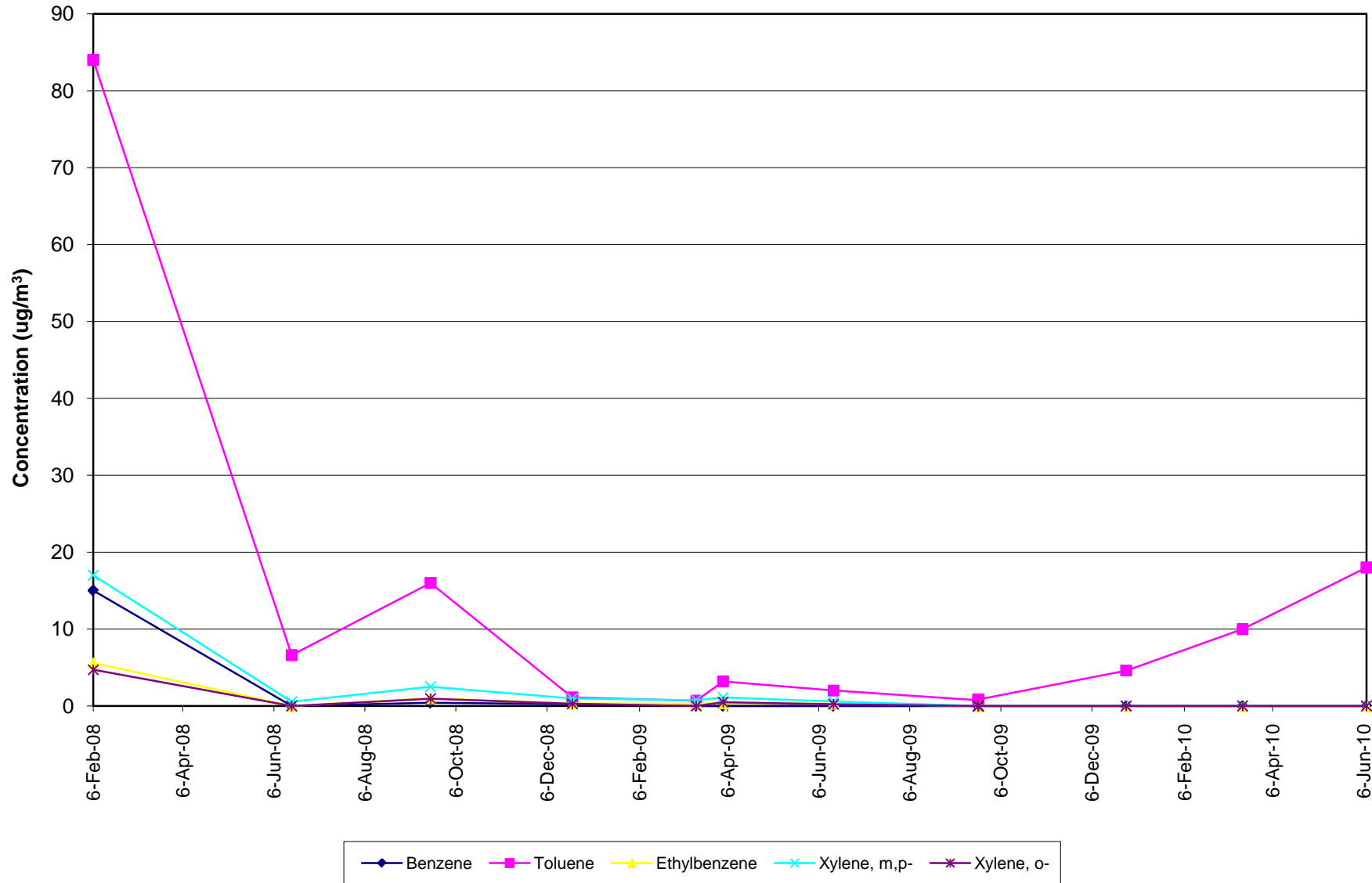
OU1SG07



● Benzene	● Toluene	● Ethylbenzene	● Xylene, m,p	● Xylene, o-
● Acetaldehyde	● Acetone	● Acrolein (propenal)	● Allyl chloride	● Benzothiophene
● Bromodichloromethane	● Bromoform	● Bromomethane	● Butadiene, 1,3-	● Butane
● Butanone, 2-	● Carbon disulfide	● Carbon tetrachloride	● Chlorobenzene	● Chloroethane
● Chloroform	● Chloromethane	● Chlorotoluene, 2-	● Cryofluorane	● Cyclohexane
● Decane, n-	● Dibromochloromethane	● Dibromoethane, 1,2-	● Dichlorobenzene, 1,2-	● Dichlorobenzene, 1,3-
● Dichlorobenzene, 1,4-	● Dichlorodifluoromethane	● Dichloroethane, 1,1-	● Dichloroethane, 1,2-	● Dichloroethene, 1,1-
● Dichloroethene, cis-1,2-	● Dichloropropane, 1,2-	● Dichloropropene, cis-1,3	● Dichloropropene, trans-1,3	● Dioxane, 1,4-
● Dodecane, n-	● Ethanol	● Ethylthiophene, 2-	● Ethyltoluene, p-	● Heptane, n-
● Hexachlorobutadiene	● Hexane, n-	● Hexanone, 2-	● Hydrogen sulfide	● Indan
● Indene	● Isopropyl benzene	● Methyl tert-butyl ether	● Methyl-2-pentanone, 4-	● Methylene chloride
● Methylnaphthalene, 1-	● Methylnaphthalene, 2-	● Methylthiophene, 2-	● Methylthiophene, 3-	● Naphthalene
● Nonane	● Octane, n-	● Pentane	● Propanol, 2-	● Propylbenzene, n-
● Styrene	● t-Butyl alcohol	● Tetrachloroethane, 1,1,2,2-	● Tetrachloroethene	● Tetrahydrofuran
● Tetramethylbenzene, 1,2,4,5-	● Thiophene	● Trans-1,2-dichloroethene	● Trichloro-1,2,2-trifluoroethane, 1,1,2-	● Trichlorobenzene, 1,2,4-
● Trichloroethane, 1,1,1-	● Trichloroethane, 1,1,2-	● Trichloroethene	● Trichlorofluoromethane	● Trimethylbenzene, 1,2,3-
● Trimethylbenzene, 1,2,4-	● Trimethylbenzene, 1,3,5-	● Trimethylpentane, 2,2,4-	● Undecane, n-	● Vinyl bromide
● Vinyl chloride				

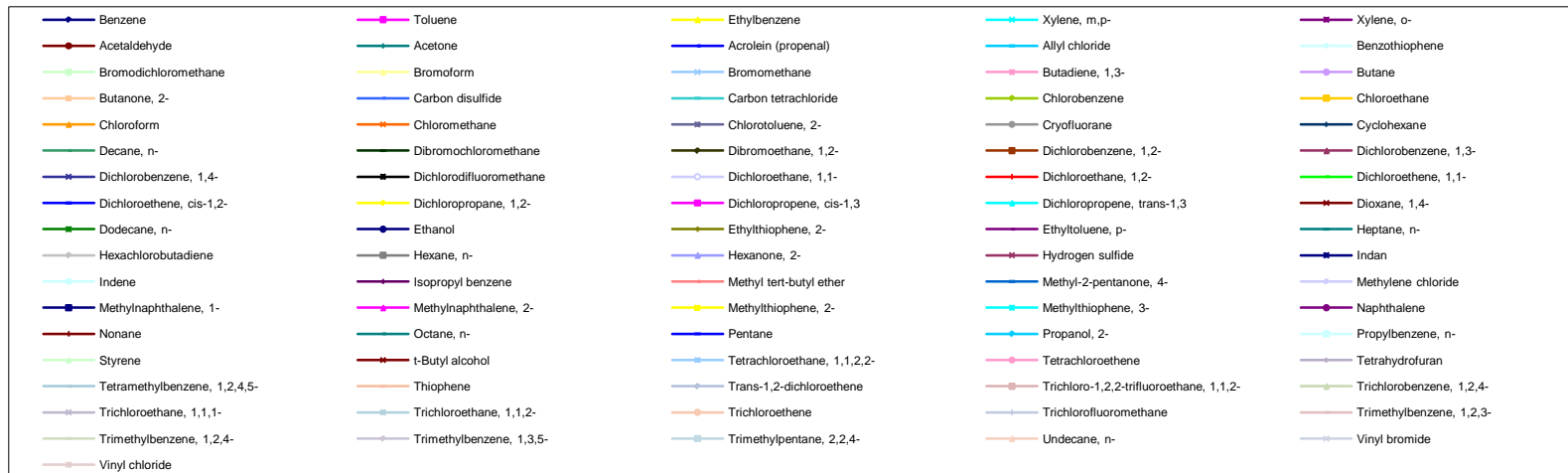
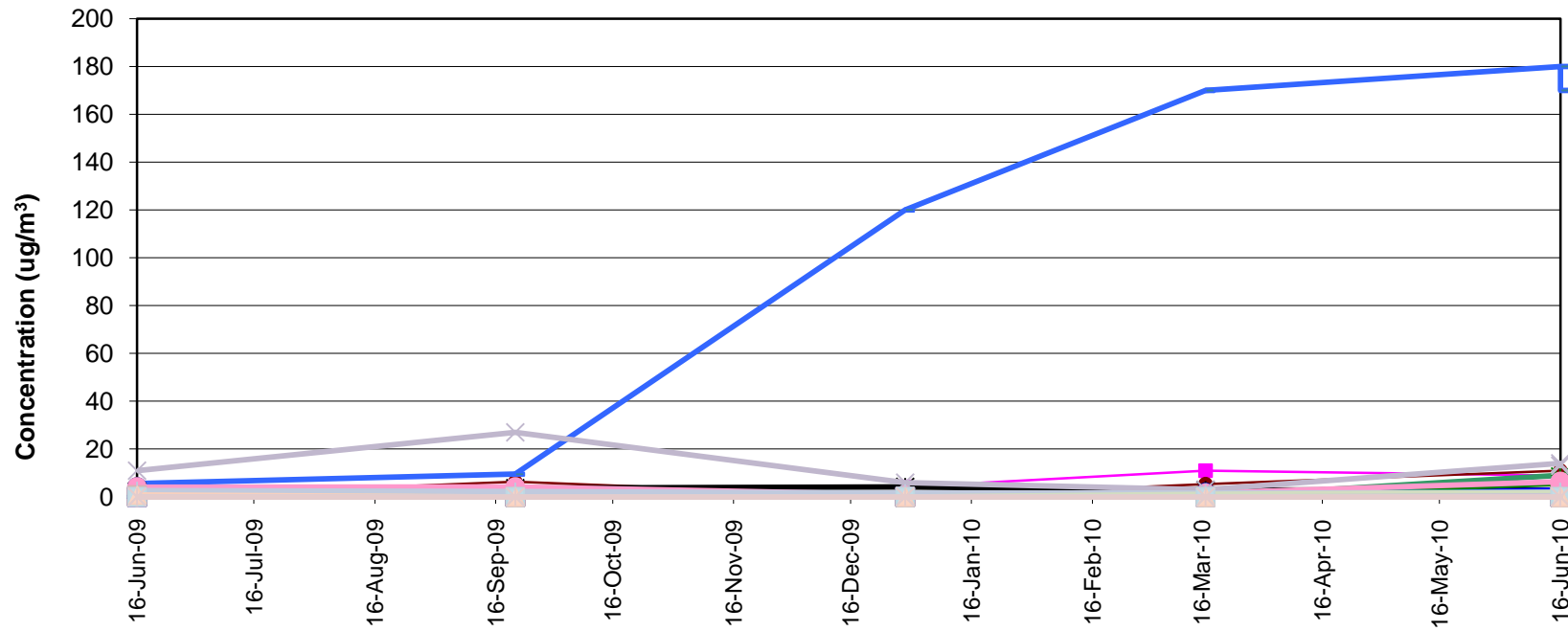
Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU1SG07 BTEX



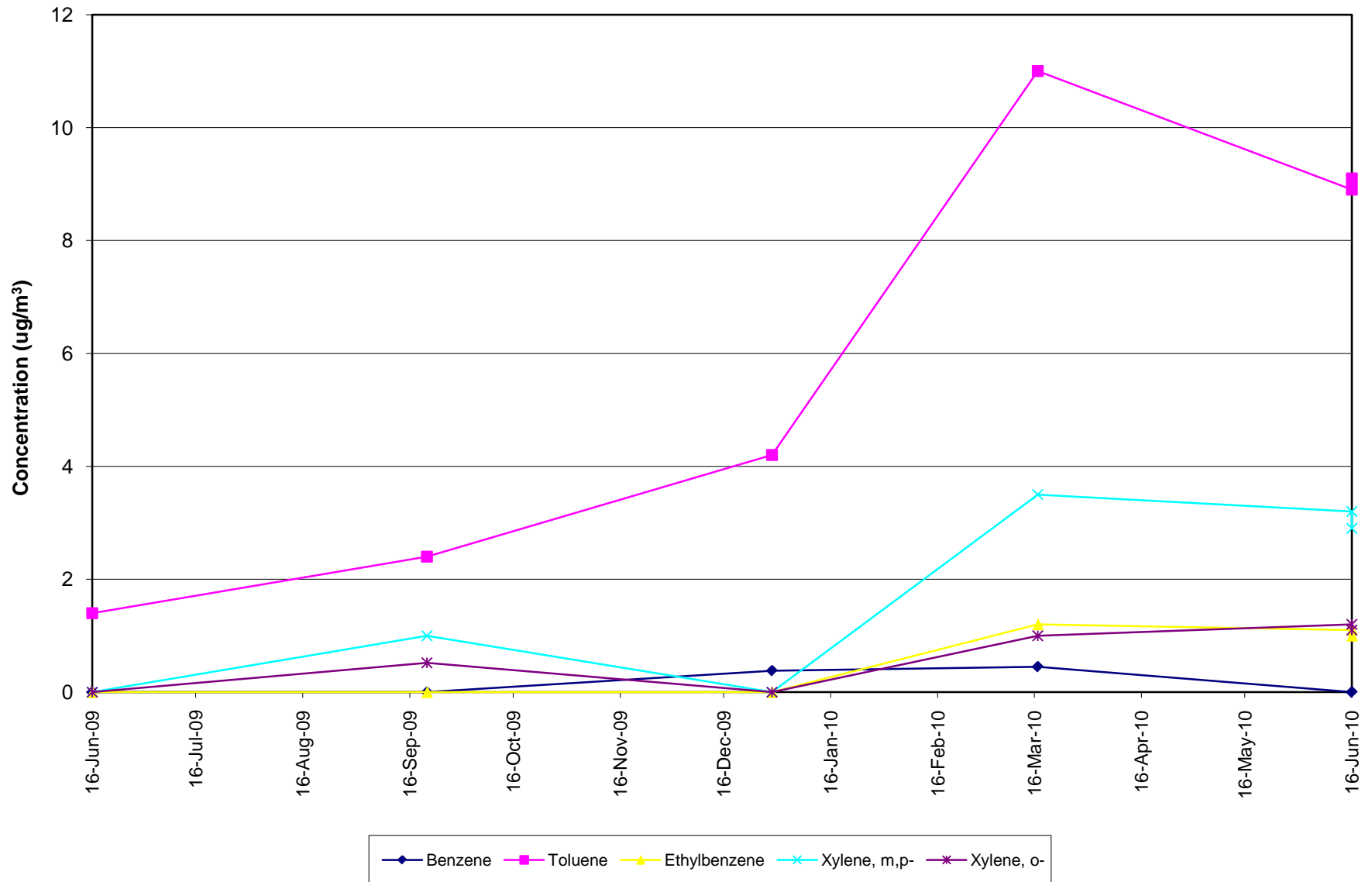
Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU1SG09

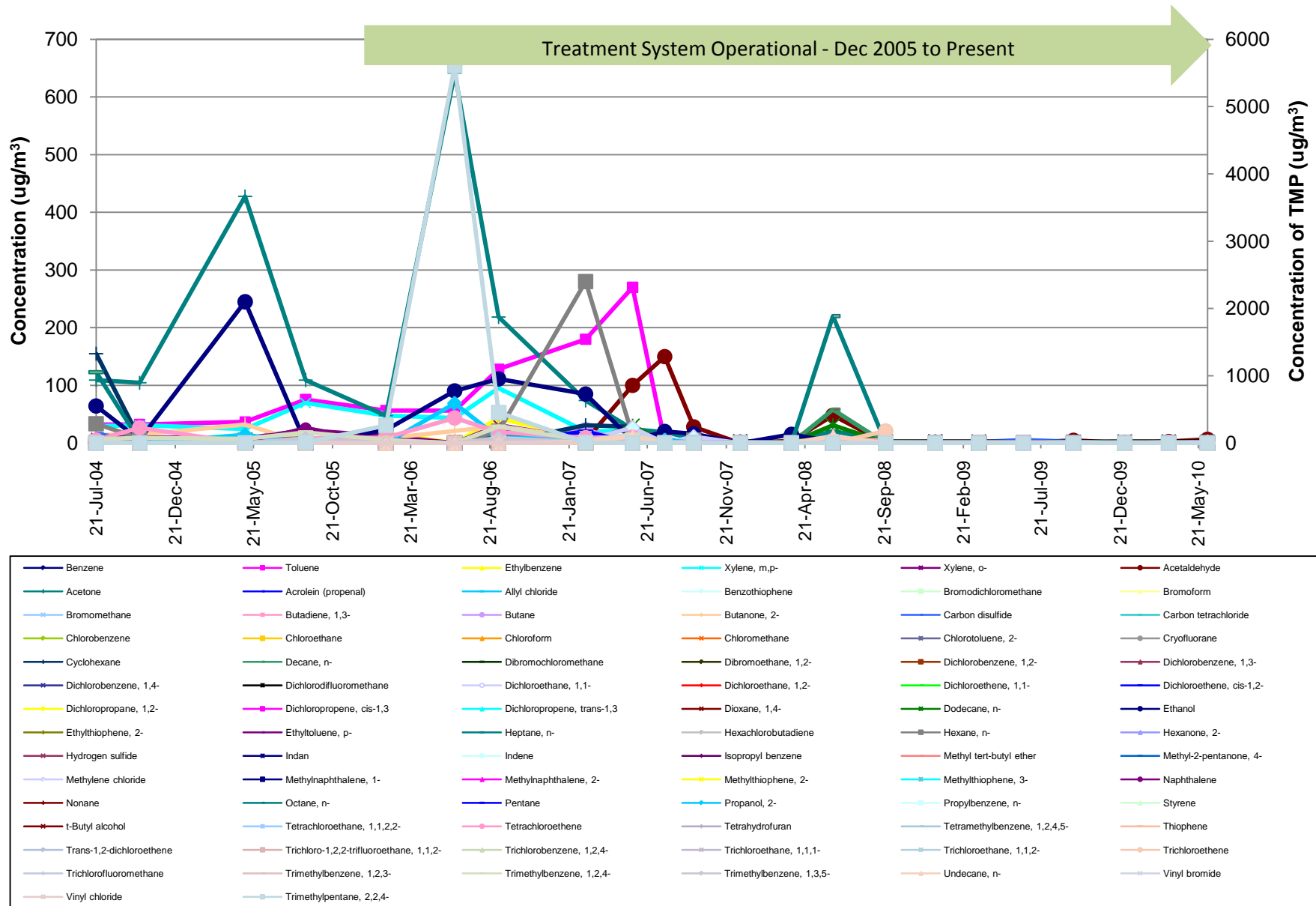


Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU1SG09 BTEX

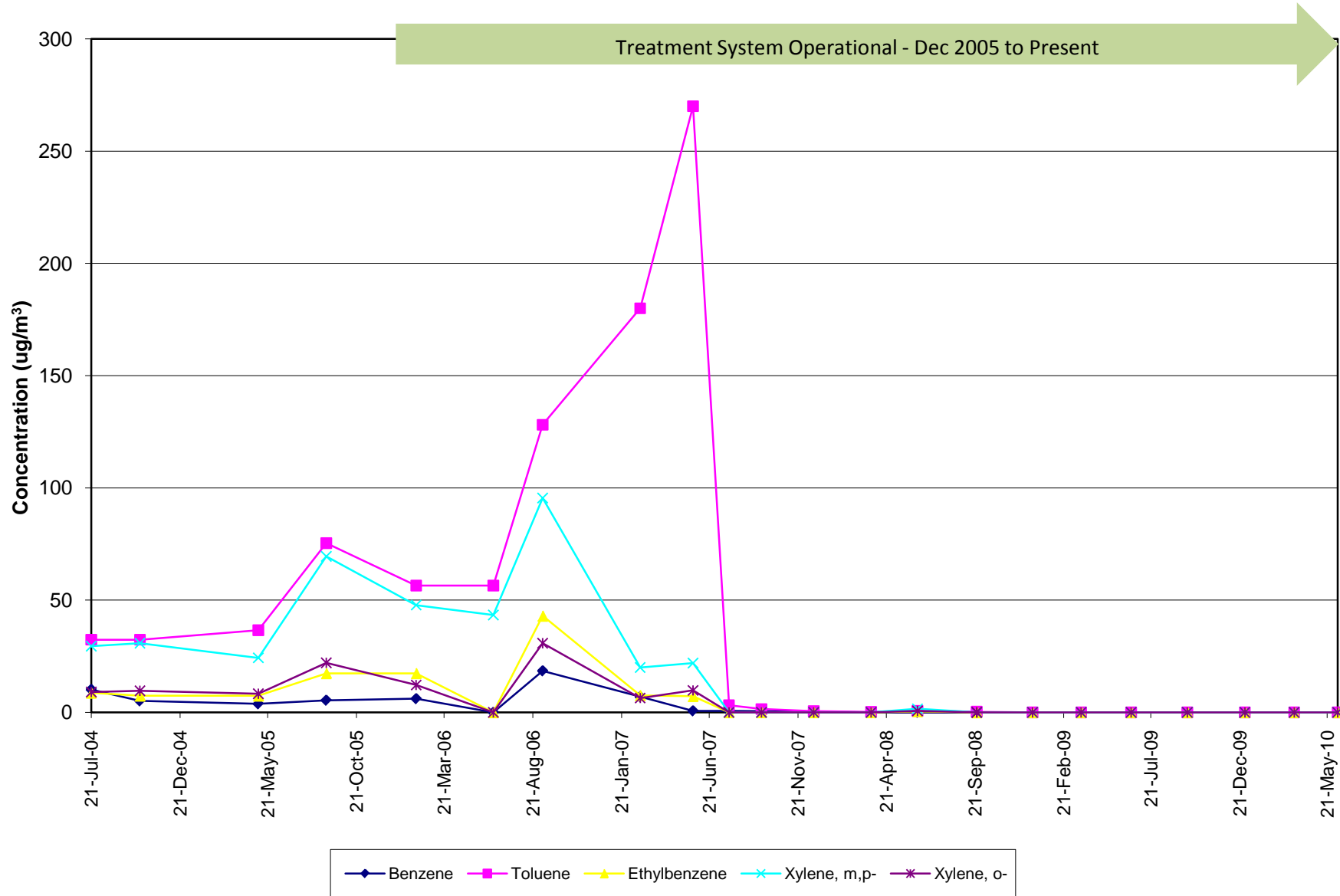


Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site
OU2SG01



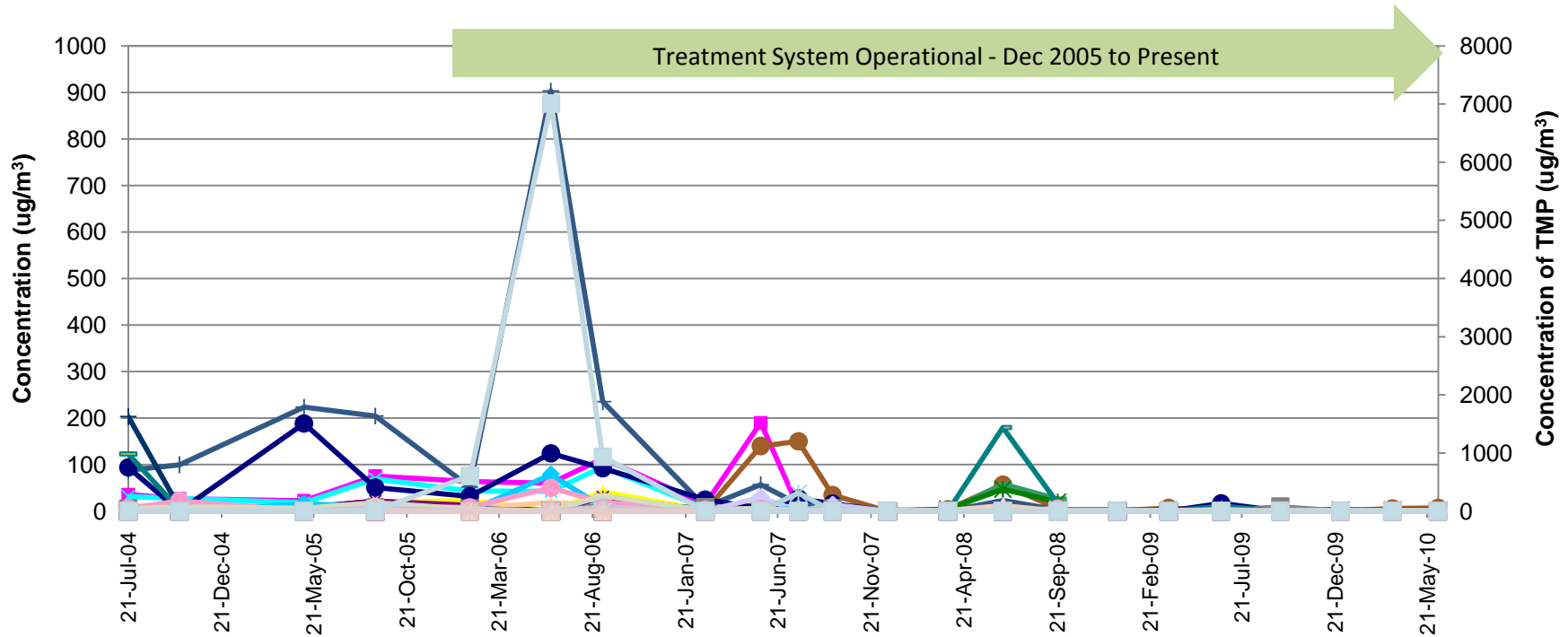
Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG01 BTEX



Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

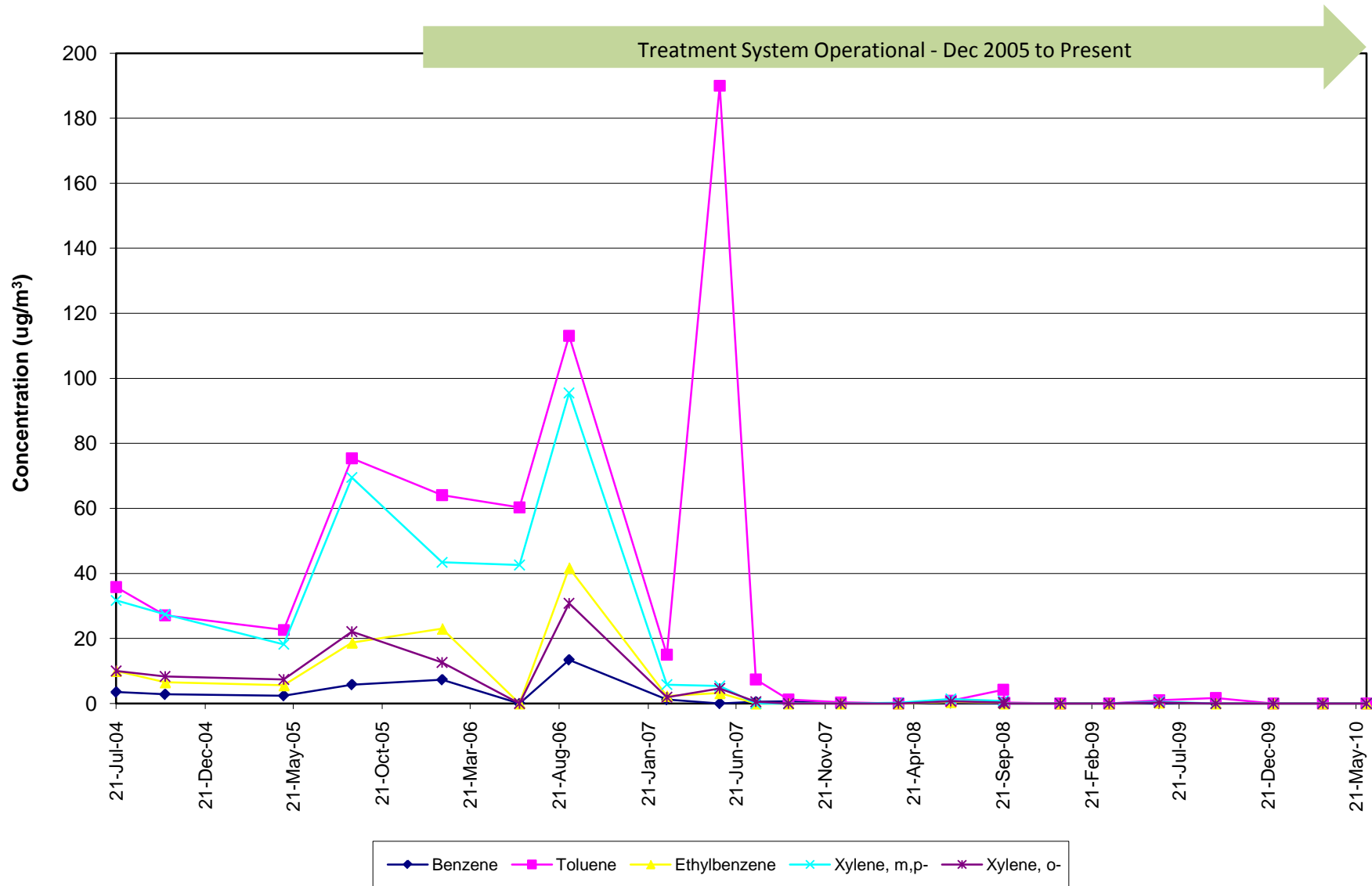
OU2SG02



● Benzene	● Toluene	● Ethylbenzene	● Xylene, m,p-	● Xylene, o-
● Acetaldehyde	● Acetone	● Acrolein (propenal)	● Allyl chloride	● Benzothiophene
● Bromodichloromethane	● Bromoform	● Bromomethane	● Butadiene, 1,3-	● Butane
● Butanone, 2-	● Carbon disulfide	● Carbon tetrachloride	● Chlorobenzene	● Chloroethane
● Chloroform	● Chloromethane	● Chlorotoluene, 2-	● Cryofluorane	● Cyclohexane
● Decane, n-	● Dibromochloromethane	● Dibromoethane, 1,2-	● Dichlorobenzene, 1,2-	● Dichlorobenzene, 1,3-
● Dichlorobenzene, 1,4-	● Dichlorodifluoromethane	● Dichloroethane, 1,1-	● Dichloroethane, 1,2-	● Dichloroethene, 1,1-
● Dichloroethene, cis-1,2-	● Dichloropropane, 1,2-	● Dichloropropene, cis-1,3	● Dichloropropene, trans-1,3	● Dioxane, 1,4-
● Dodecane, n-	● Ethanol	● Ethylthiophene, 2-	● Ethyltoluene, p-	● Heptane, n-
● Hexachlorobutadiene	● Hexane, n-	● Hexanone, 2-	● Hydrogen sulfide	● Indan
● Indene	● Isopropyl benzene	● Methyl tert-butyl ether	● Methyl-2-pentanone, 4-	● Methylene chloride
● Methylnaphthalene, 1-	● Methylnaphthalene, 2-	● Methylthiophene, 2-	● Methylthiophene, 3-	● Naphthalene
● Nonane	● Octane, n-	● Pentane	● Propanol, 2-	● Propylbenzene, n-
● Styrene	● t-Butyl alcohol	● Tetrachloroethane, 1,1,2,2-	● Tetrachloroethene	● Tetrahydrofuran
● Tetramethylbenzene, 1,2,4,5-	● Thiophene	● Trans-1,2-dichloroethene	● Trichloro-1,2,2-trifluoroethane, 1,1,2-	● Trichlorobenzene, 1,2,4-
● Trichloroethane, 1,1,1-	● Trichloroethane, 1,1,2-	● Trichloroethene	● Trichlorofluoromethane	● Trimethylbenzene, 1,2,3-
● Trimethylbenzene, 1,2,4-	● Trimethylbenzene, 1,3,5-	● Undecane, n-	● Vinyl bromide	● Vinyl chloride
● Trimethylpentane, 2,2,4-				

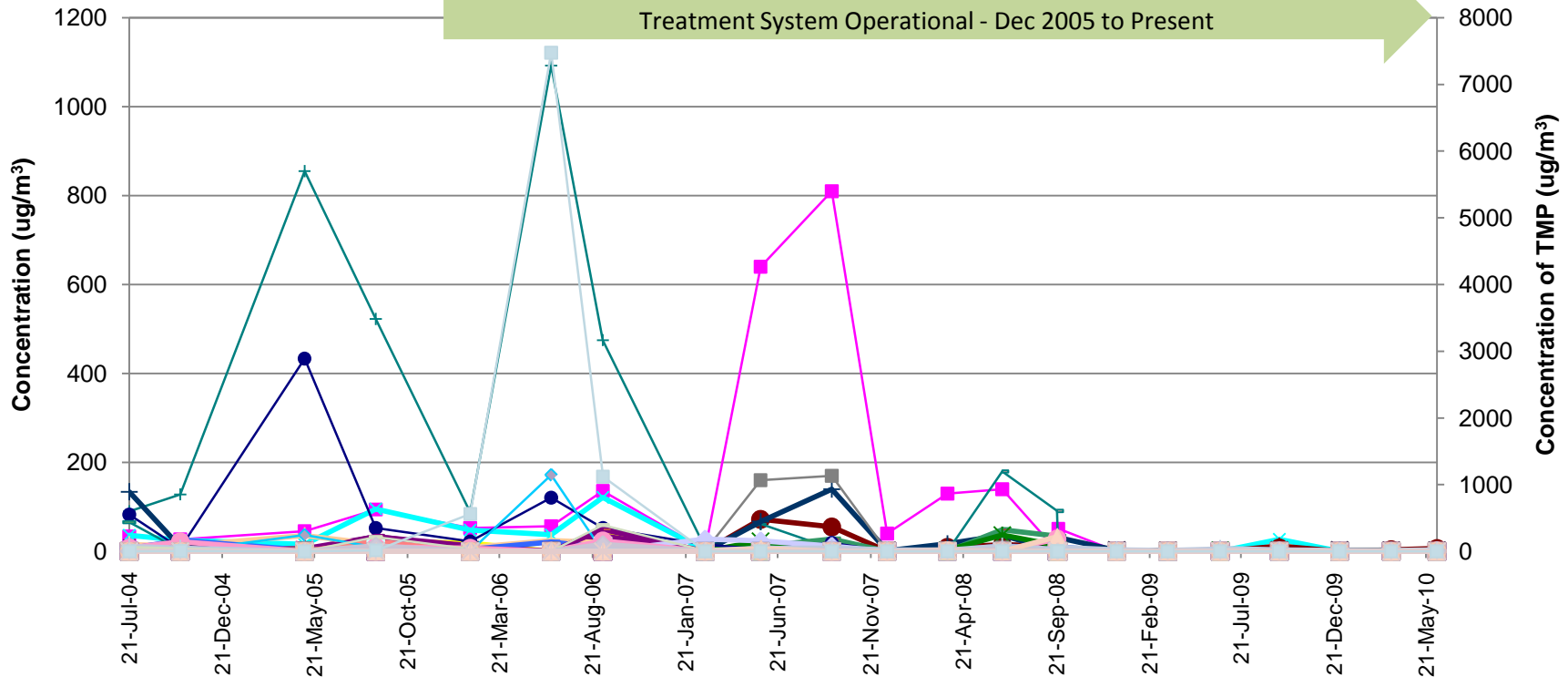
Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG02 BTEX



Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

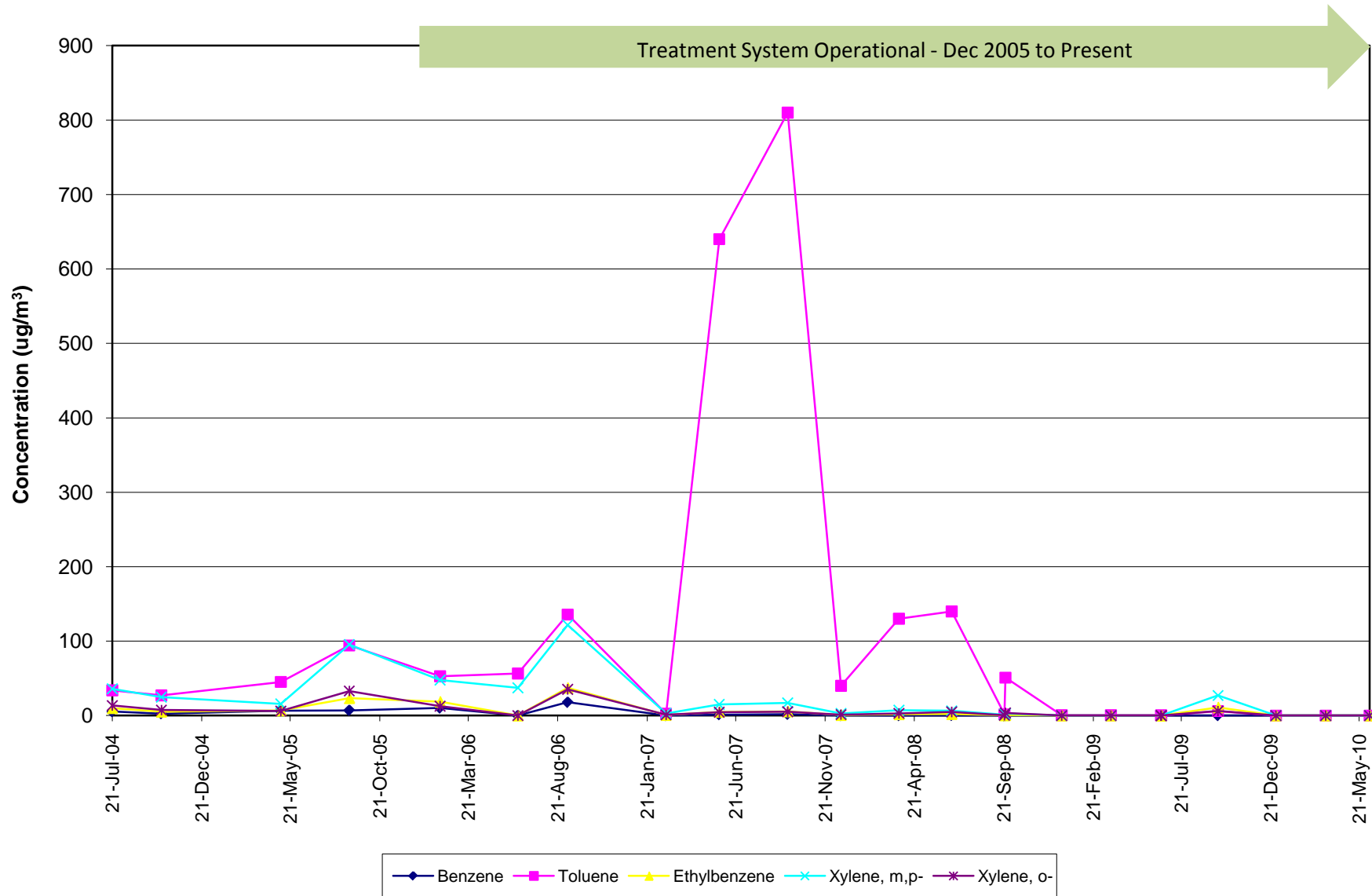
OU2SG03



Benzene	Toluene	Ethylbenzene	Xylene, m,p	Xylene, o-
Acetaldehyde	Acetone	Acrolein (propenal)	Allyl chloride	Benzothiophene
Bromodichloromethane	Bromoform	Bromomethane	Butadiene, 1,3-	Butane
Butanone, 2-	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane
Chloroform	Chloromethane	Chlorotoluene, 2-	Cryofluorane	Cyclohexane
Decane, n-	Dibromochloromethane	Dibromoethane, 1,2-	Dichlorobenzene, 1,2-	Dichlorobenzene, 1,3-
Dichlorobenzene, 1,4-	Dichlorodifluoromethane	Dichloroethane, 1,1-	Dichloroethane, 1,2-	Dichloroethene, 1,1-
Dichloroethene, cis-1,2-	Dichloropropane, 1,2-	Dichloropropene, cis-1,3	Dichloropropene, trans-1,3	Dioxane, 1,4-
Dodecane, n-	Ethanol	Ethylthiophene, 2-	Ethyltoluene, p-	Heptane, n-
Hexachlorobutadiene	Hexane, n-	Hexanone, 2-	Hydrogen sulfide	Indan
Indene	Isopropyl benzene	Methyl tert-butyl ether	Methyl-2-pentanone, 4-	Methylene chloride
Methylnaphthalene, 1-	Methylnaphthalene, 2-	Methylthiophene, 2-	Methylthiophene, 3-	Naphthalene
Nonane	Octane, n-	Pentane	Propanol, 2-	Propylbenzene, n-
Styrene	t-Butyl alcohol	Tetrachloroethane, 1,1,2,2-	Tetrachloroethene	Tetrahydrofuran
Tetramethylbenzene, 1,2,4,5-	Thiophene	Trans-1,2-dichloroethene	Trichloro-1,2,2-trifluoroethane, 1,1,2-	Trichlorobenzene, 1,2,4-
Trichloroethane, 1,1,1-	Trichloroethane, 1,1,2-	Trichloroethene	Trichlorofluoromethane	Trimethylbenzene, 1,2,3-
Trimethylbenzene, 1,2,4-	Trimethylbenzene, 1,3,5-	Undecane, n-	Vinyl bromide	Vinyl chloride
Trimethylpentane, 2,2,4-				

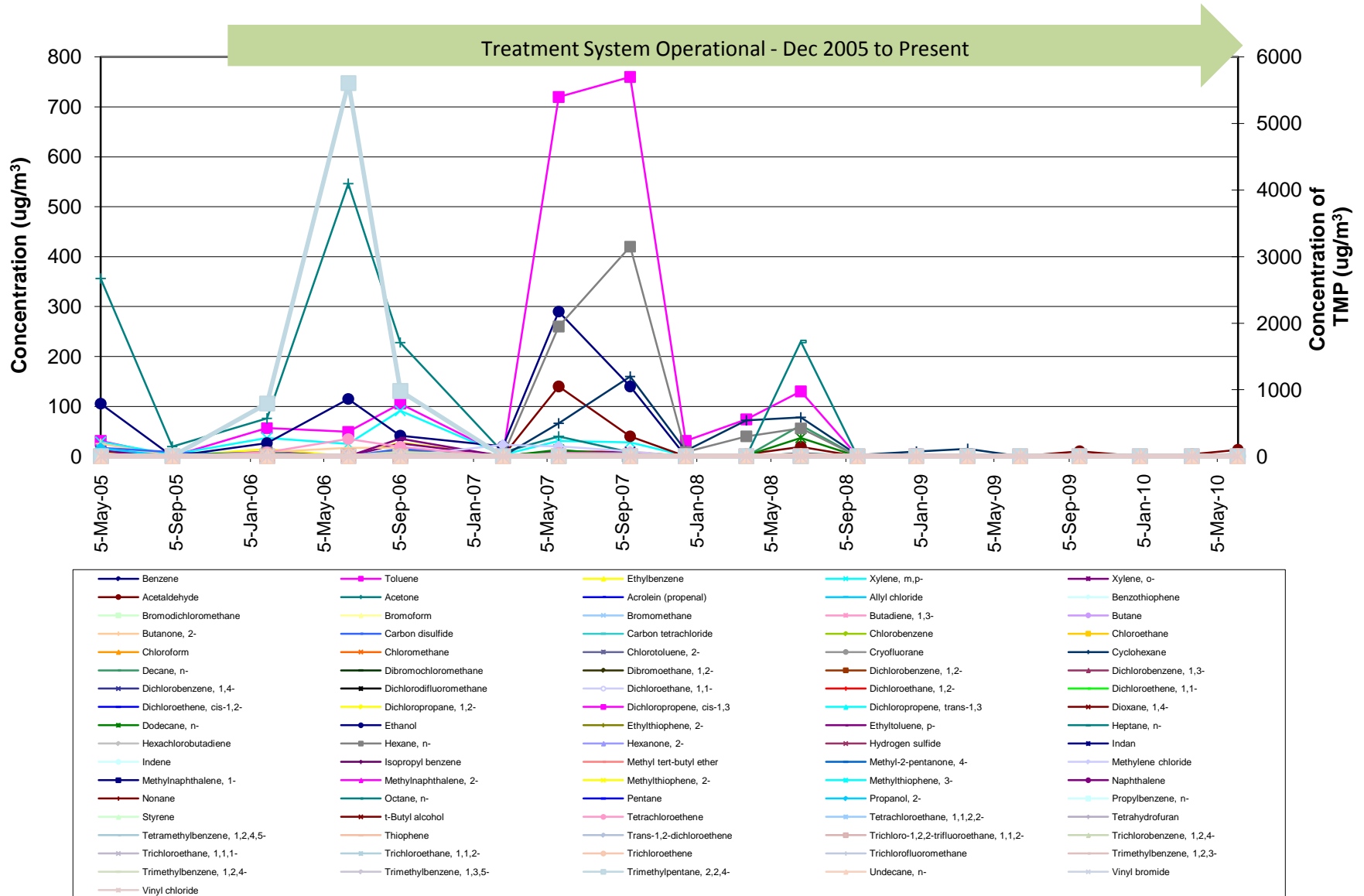
Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG03 BTEX



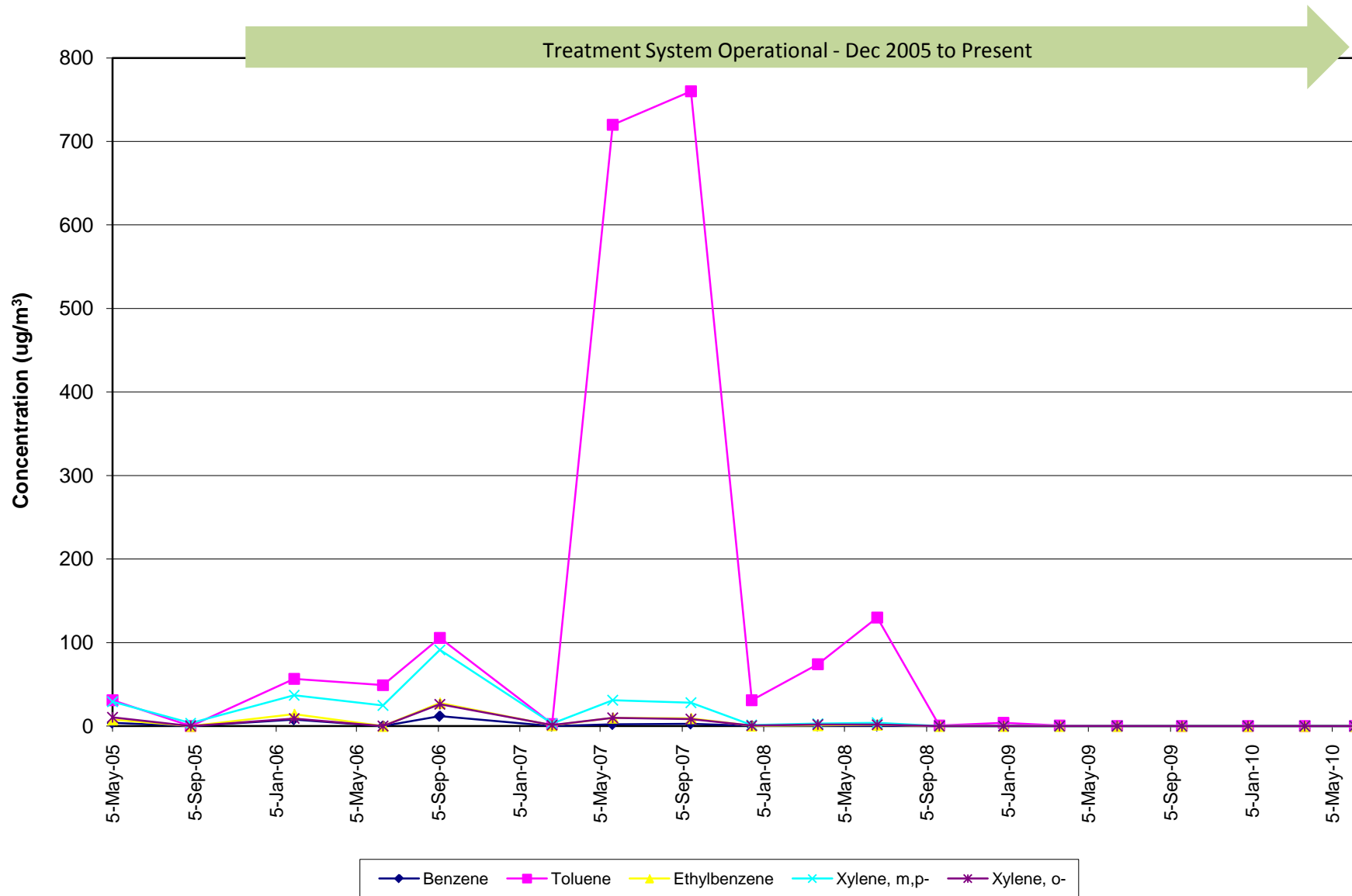
Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG04



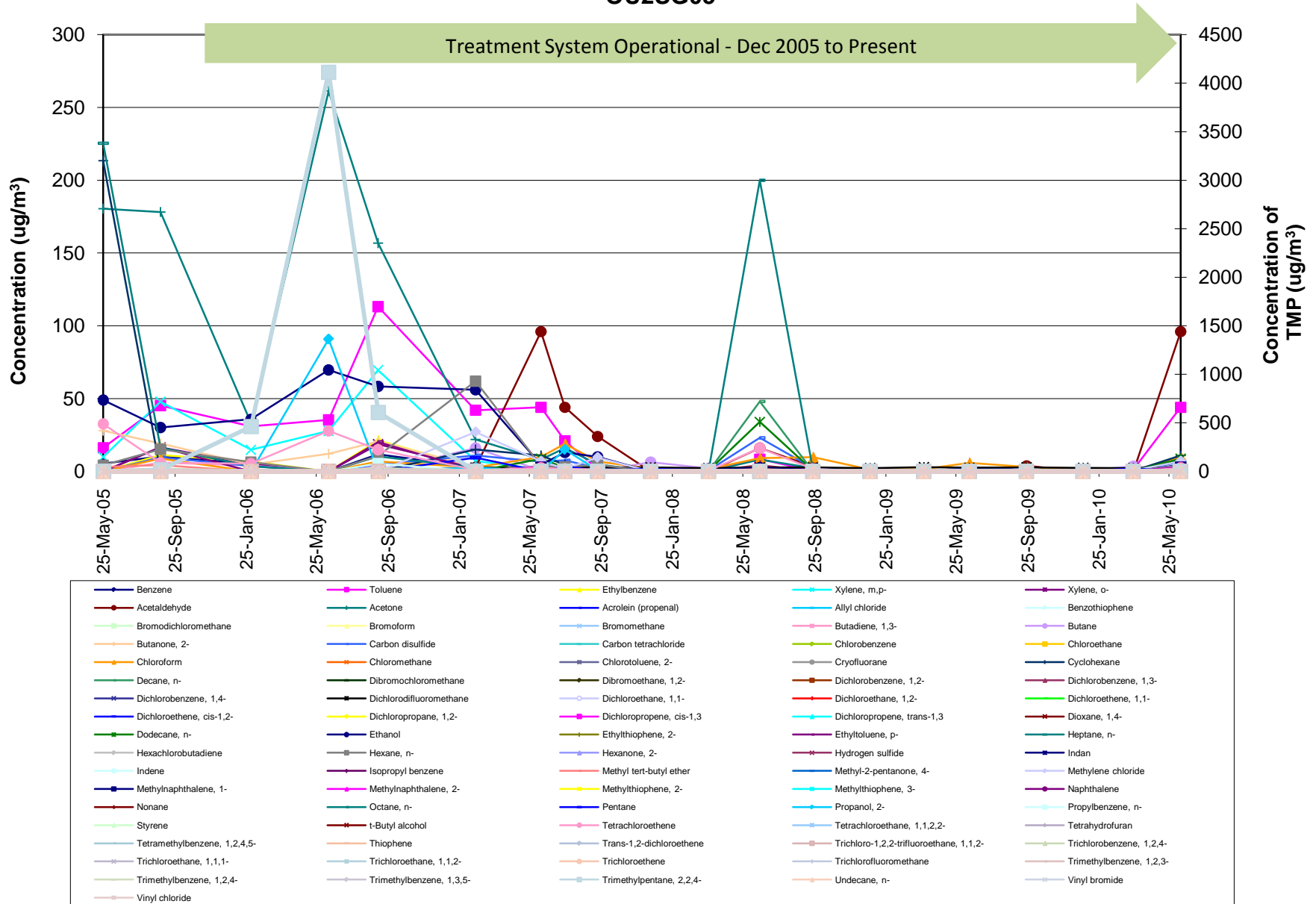
Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG04 BTEX



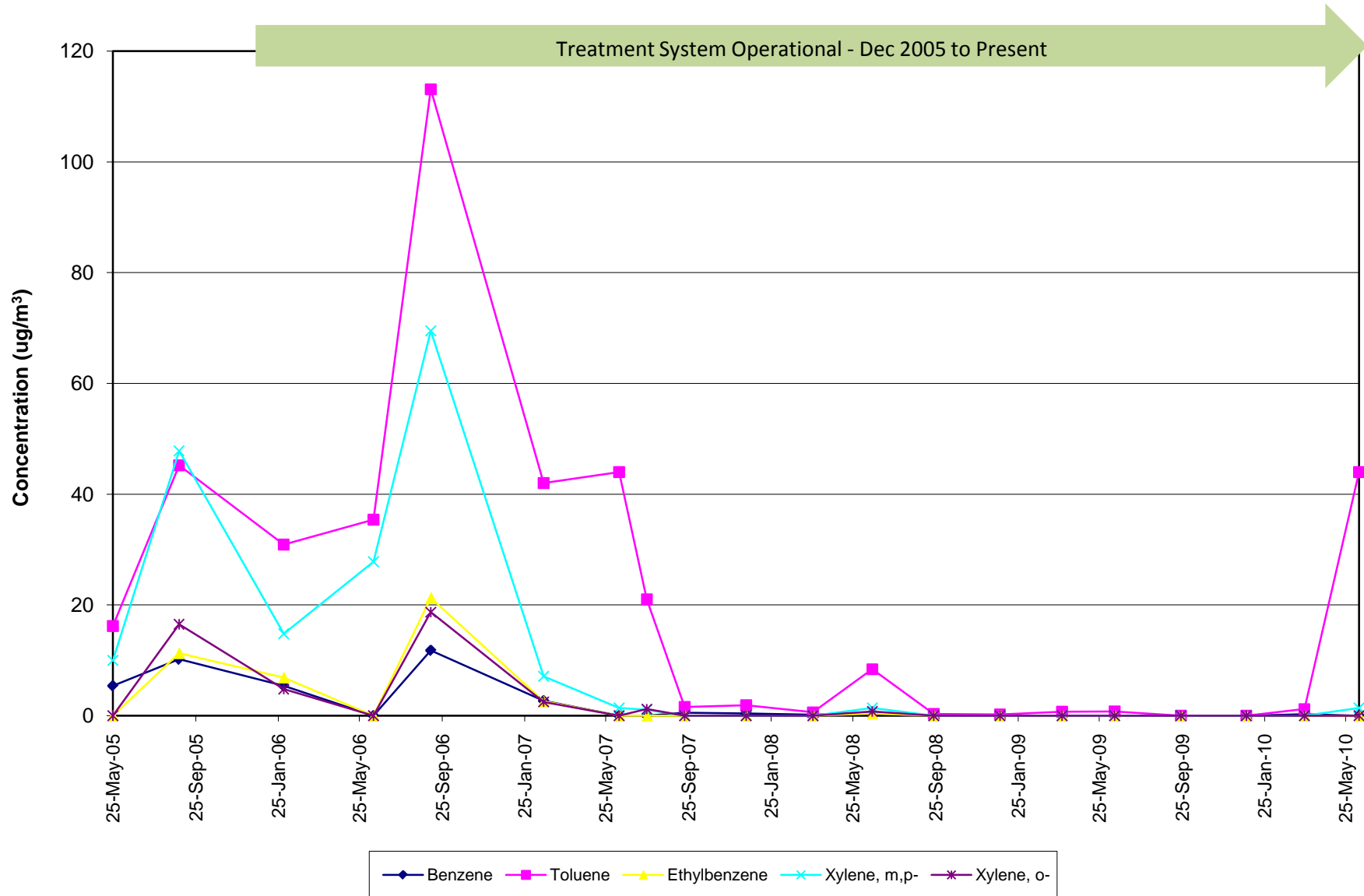
Appendix E
 Soil Vapor Analytical Results
 Bay Shore/Brightwaters Former MGP Site

OU2SG05



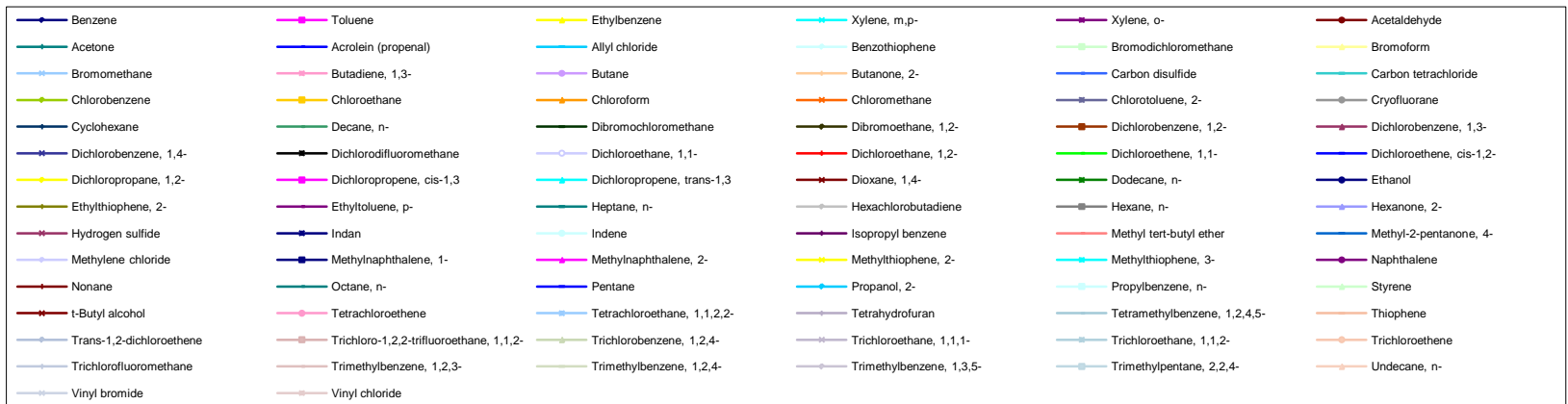
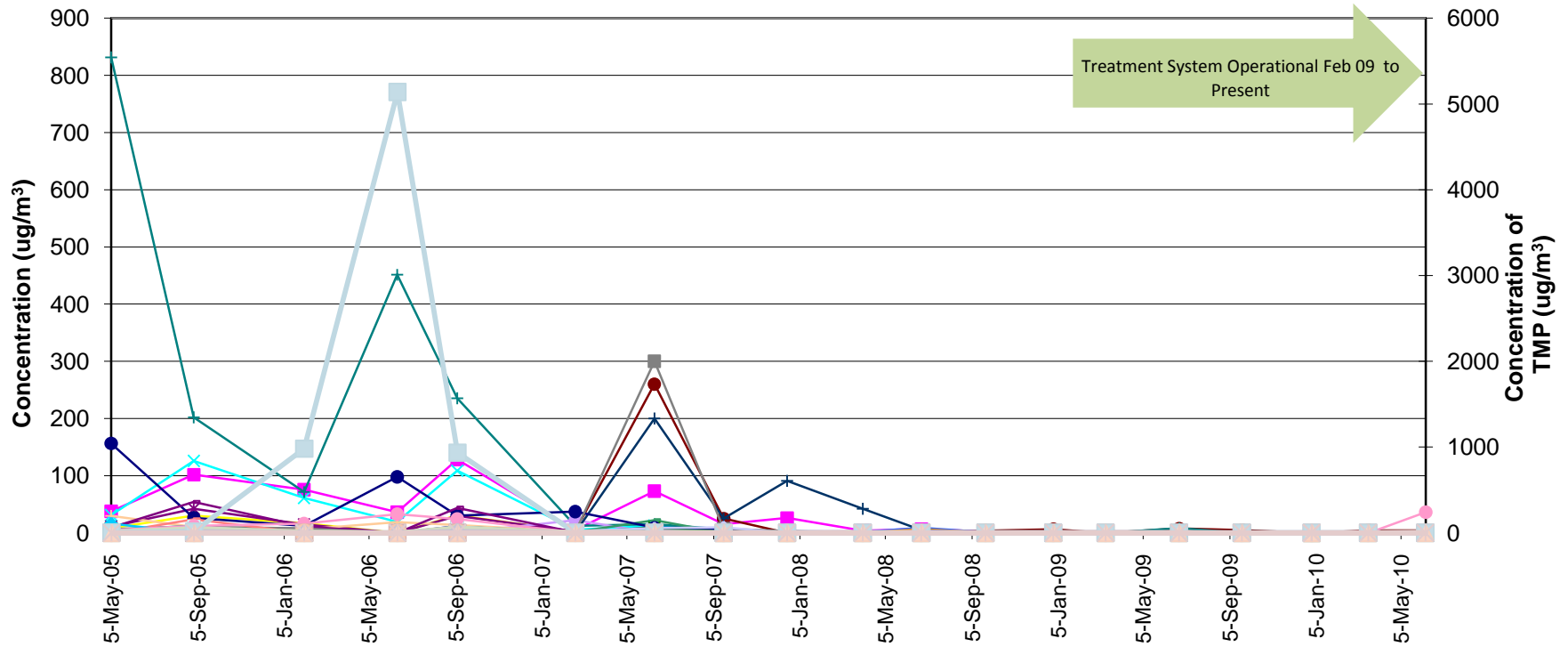
Appendix E
 Soil Vapor Analytical Results
 Bay Shore/Brightwaters Former MGP Site

OU2SG05 BTEX



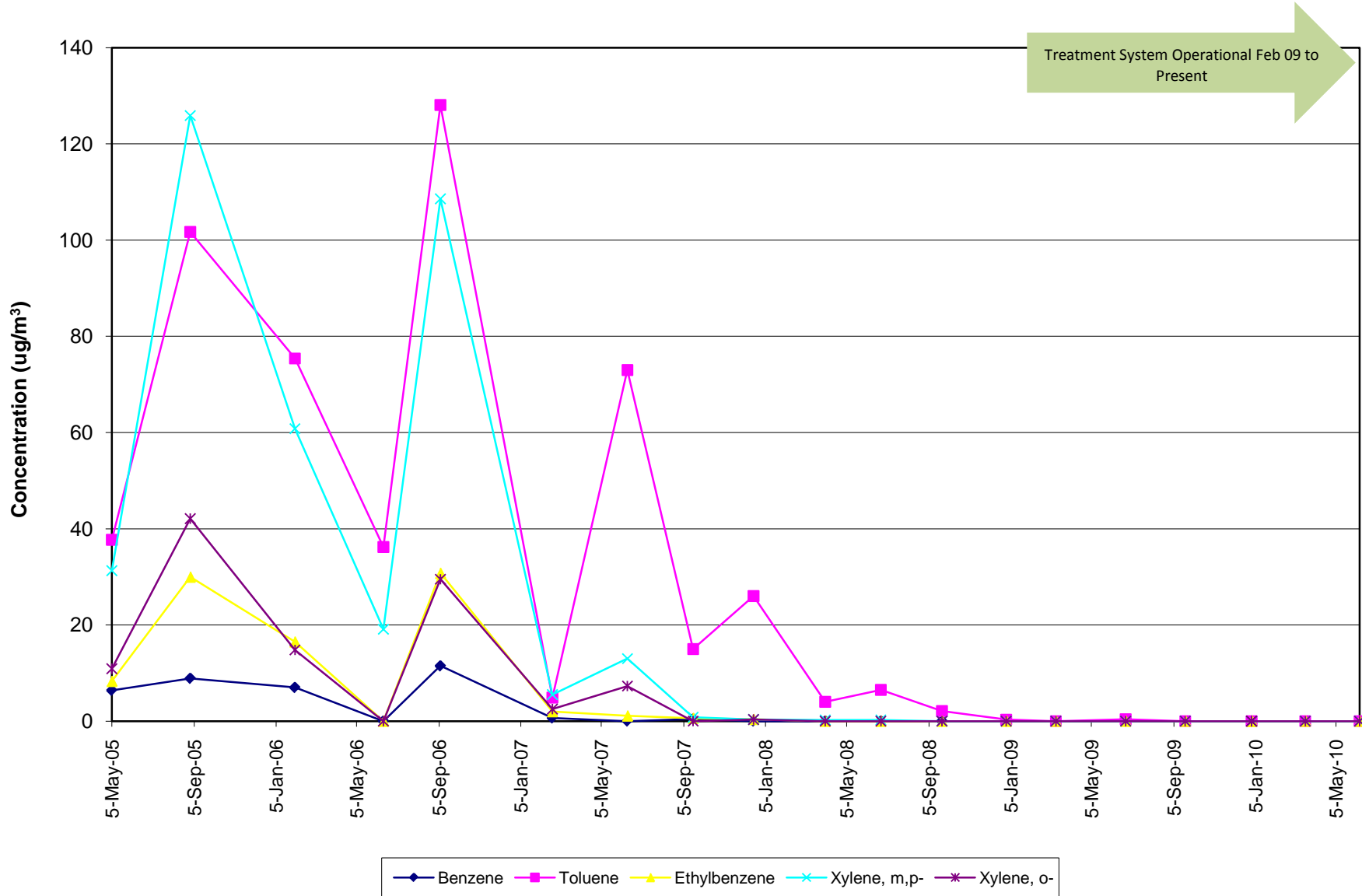
Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG06



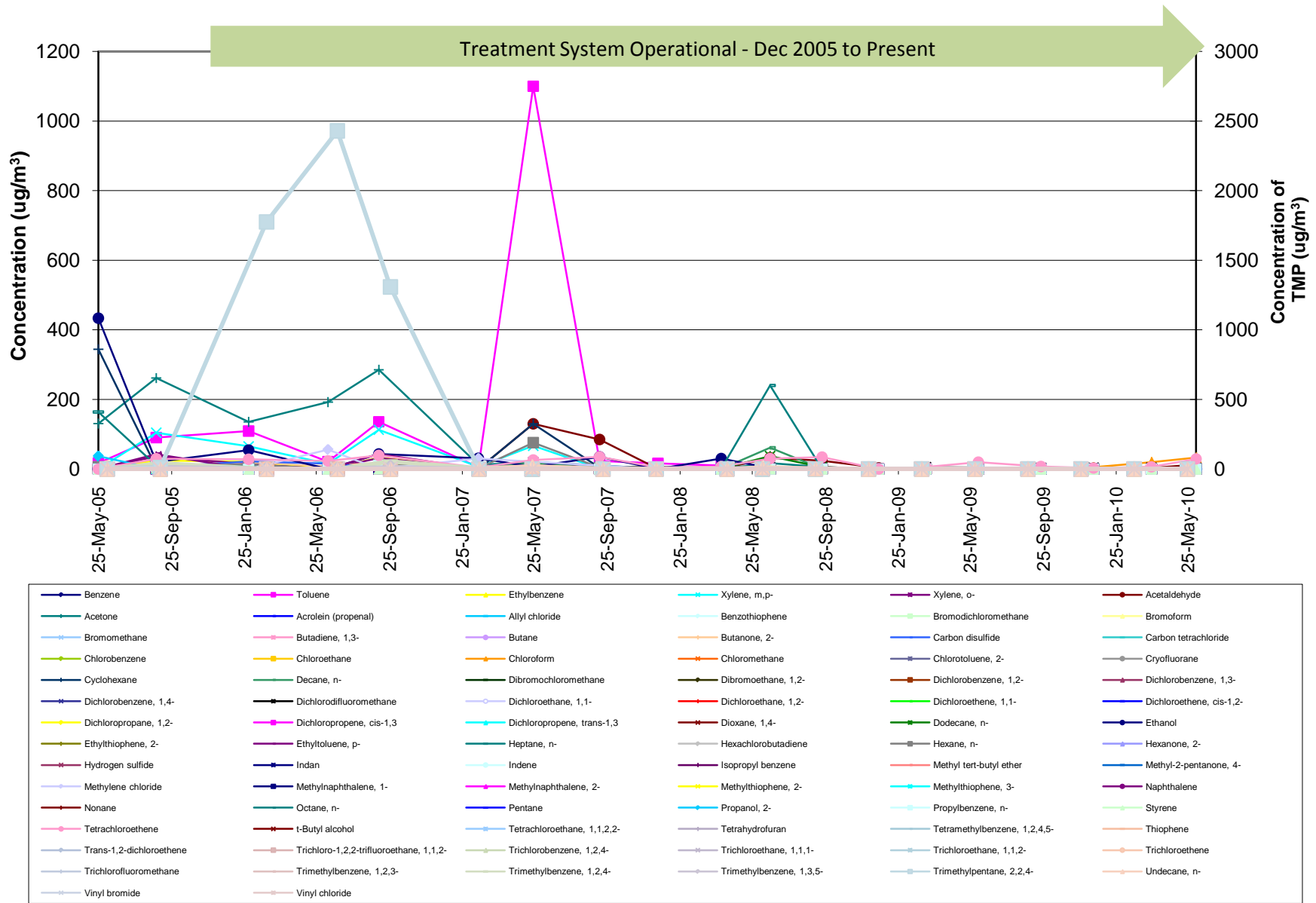
Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG06 BTEX



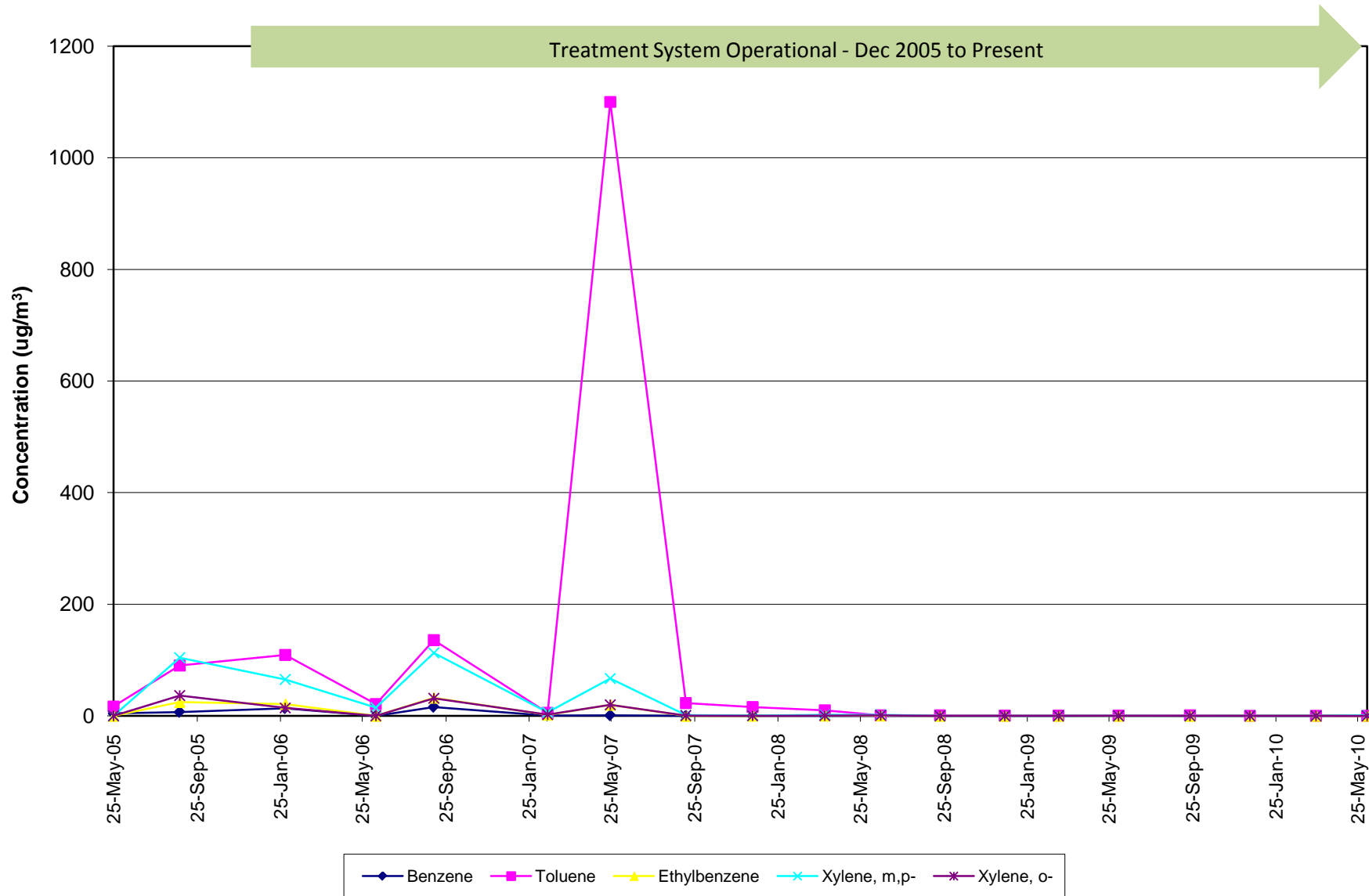
Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG07



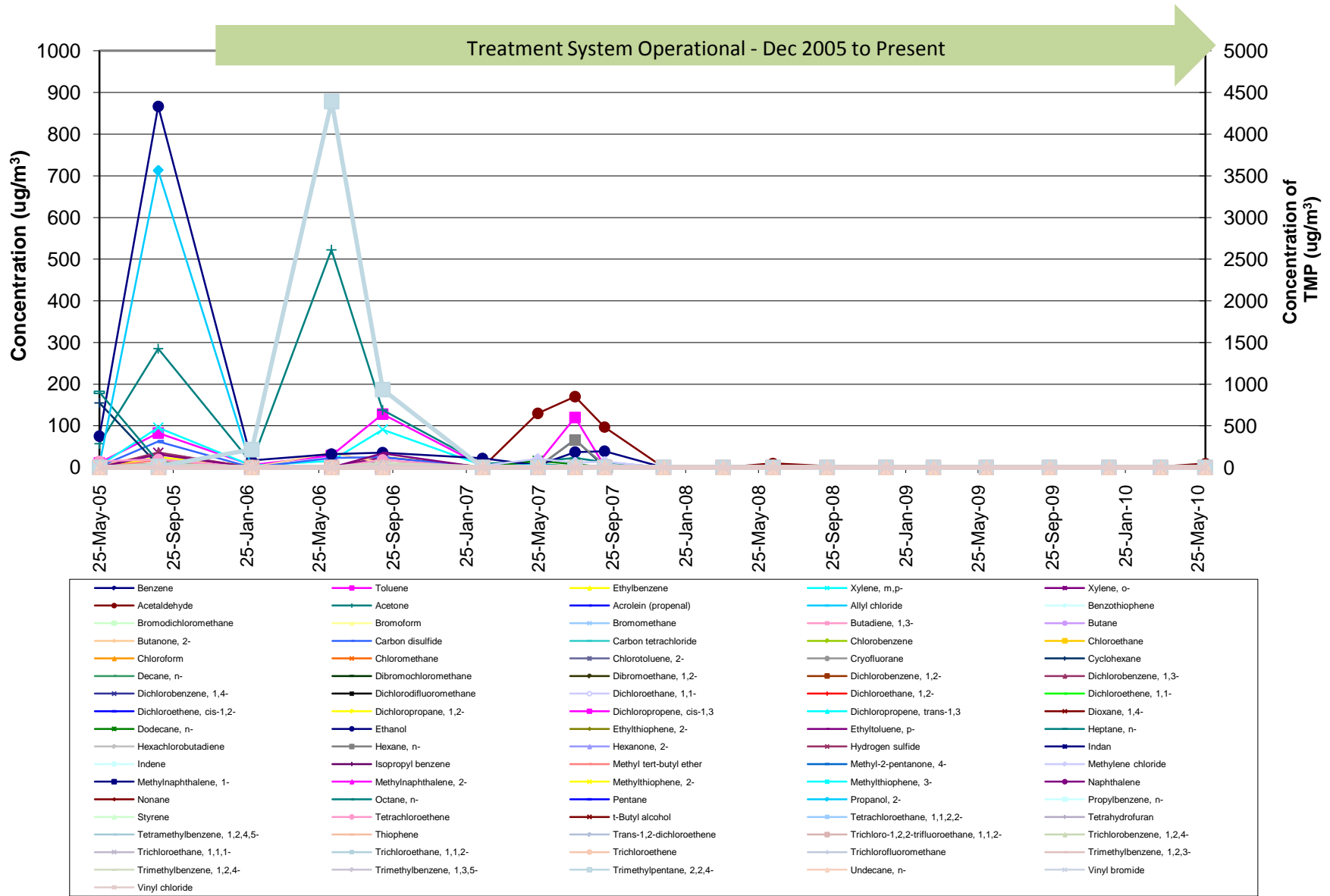
Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG07 BTEX



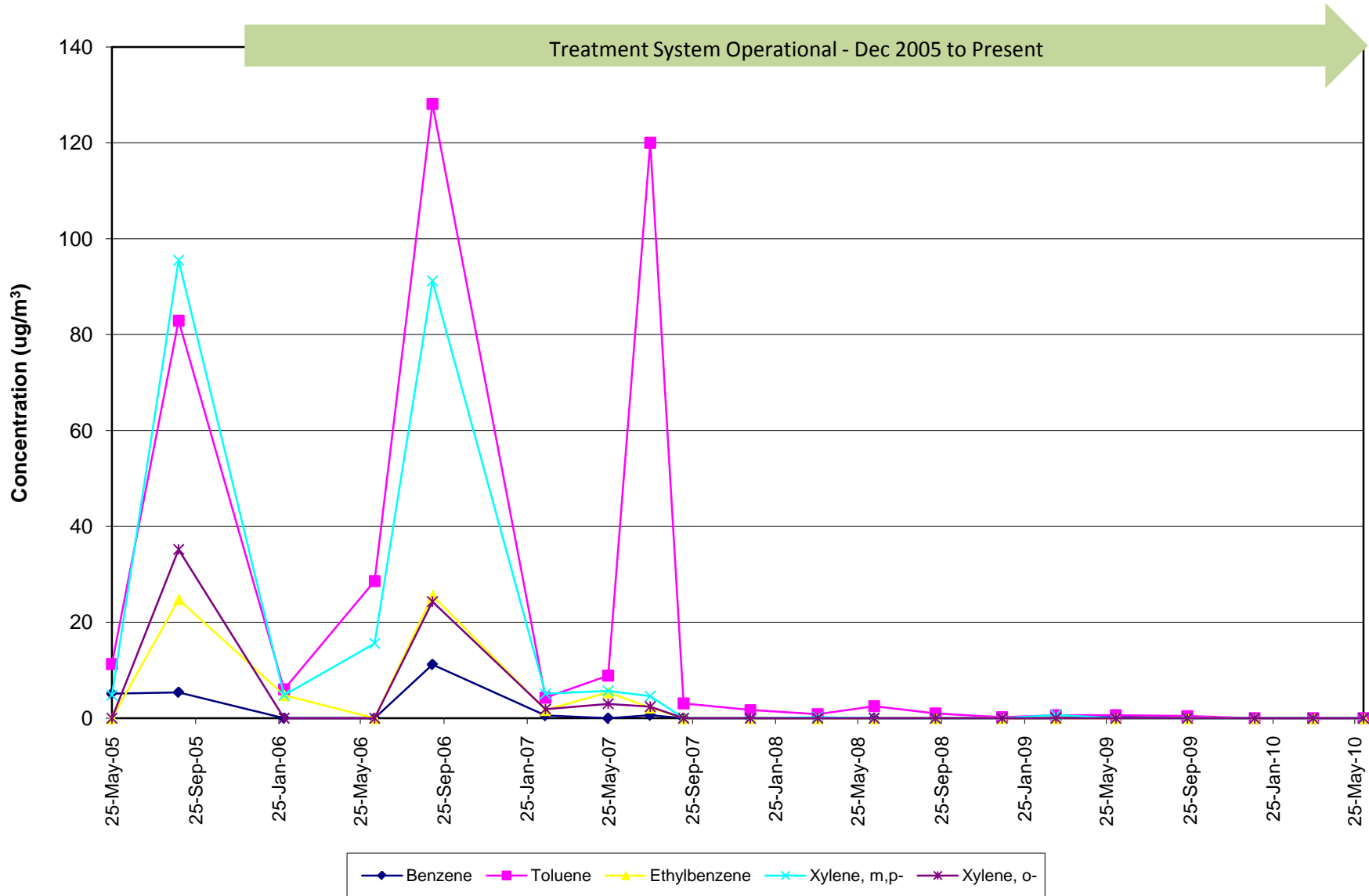
Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG08



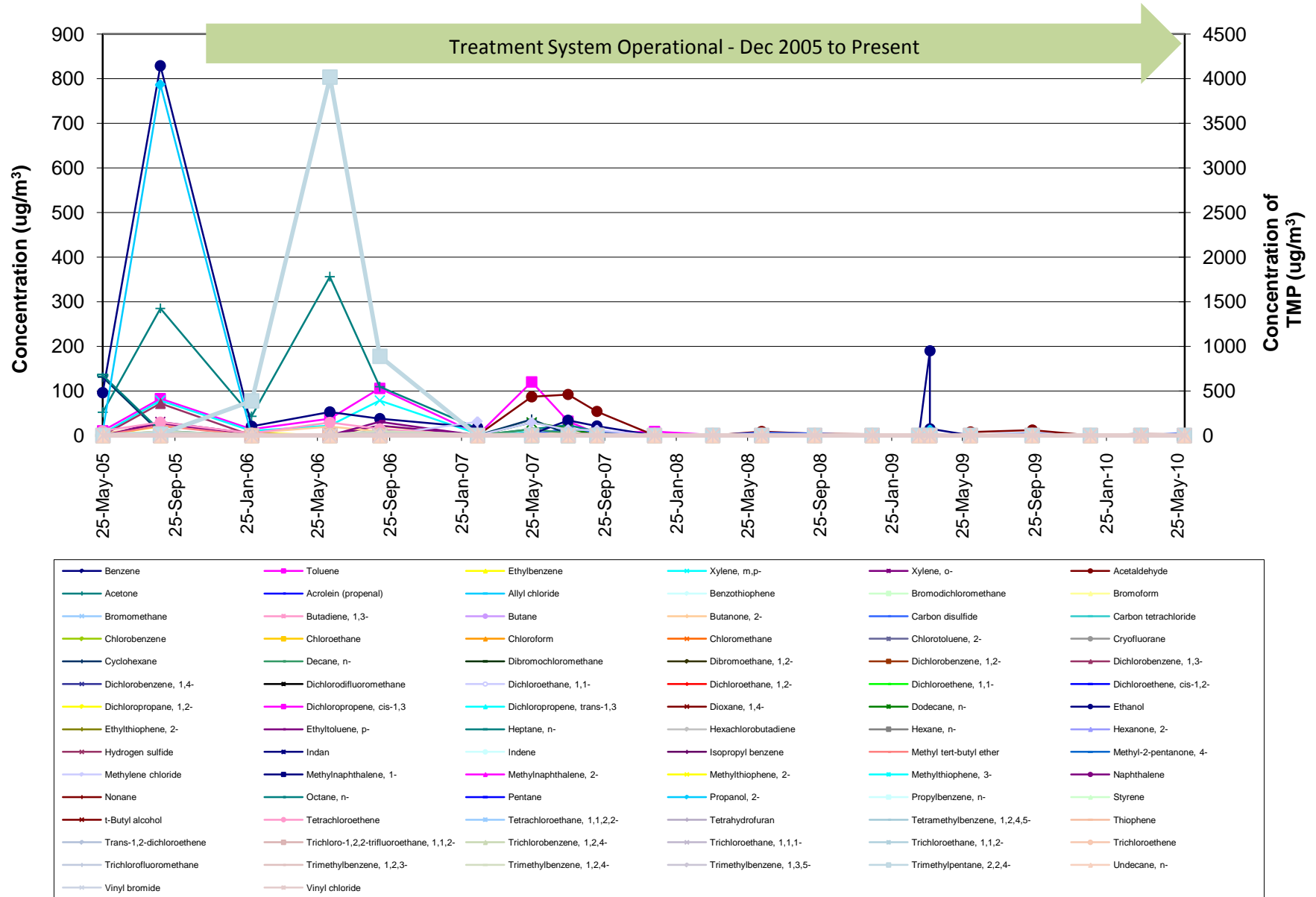
Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG08 BTEX



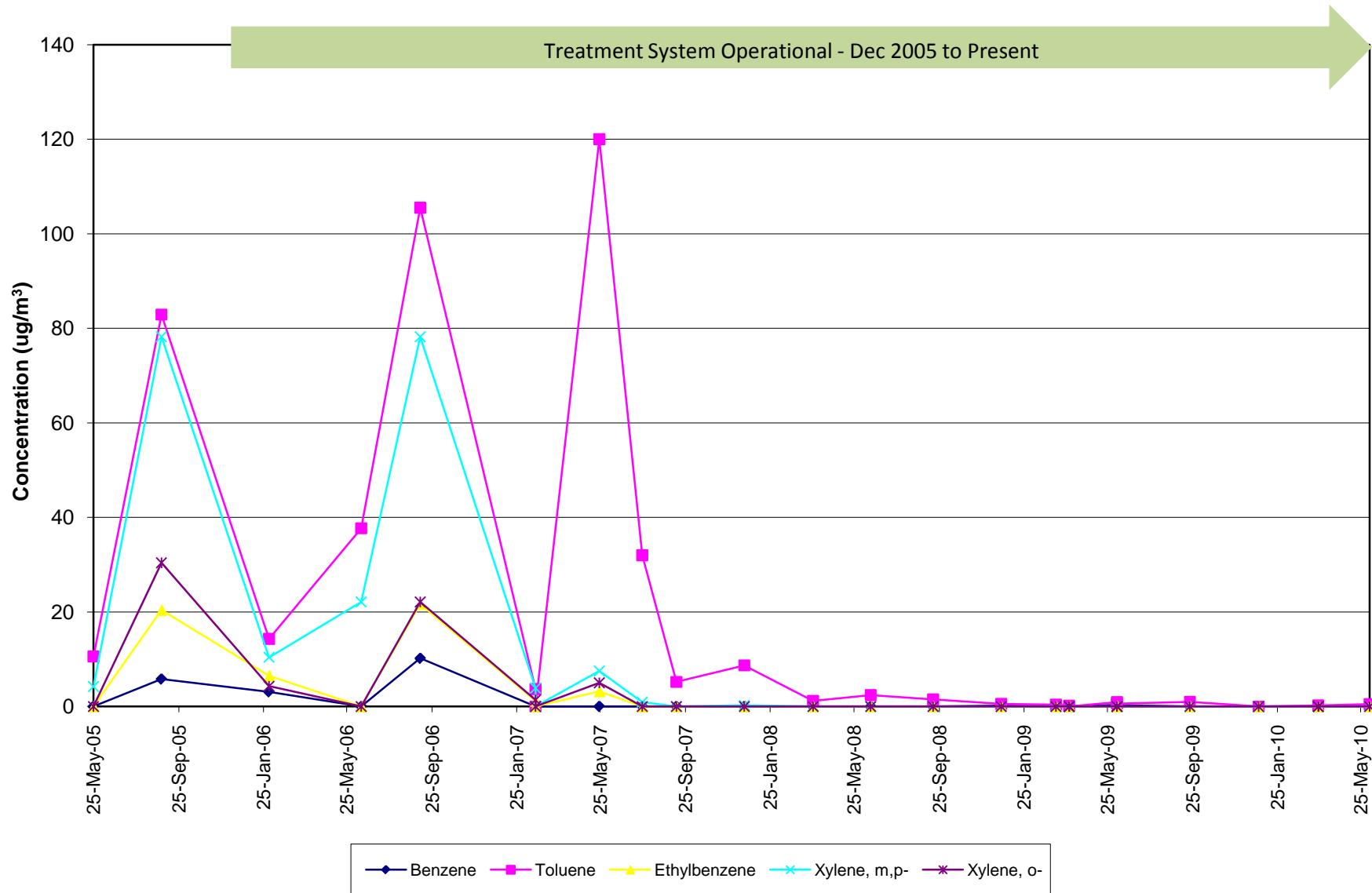
Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG09



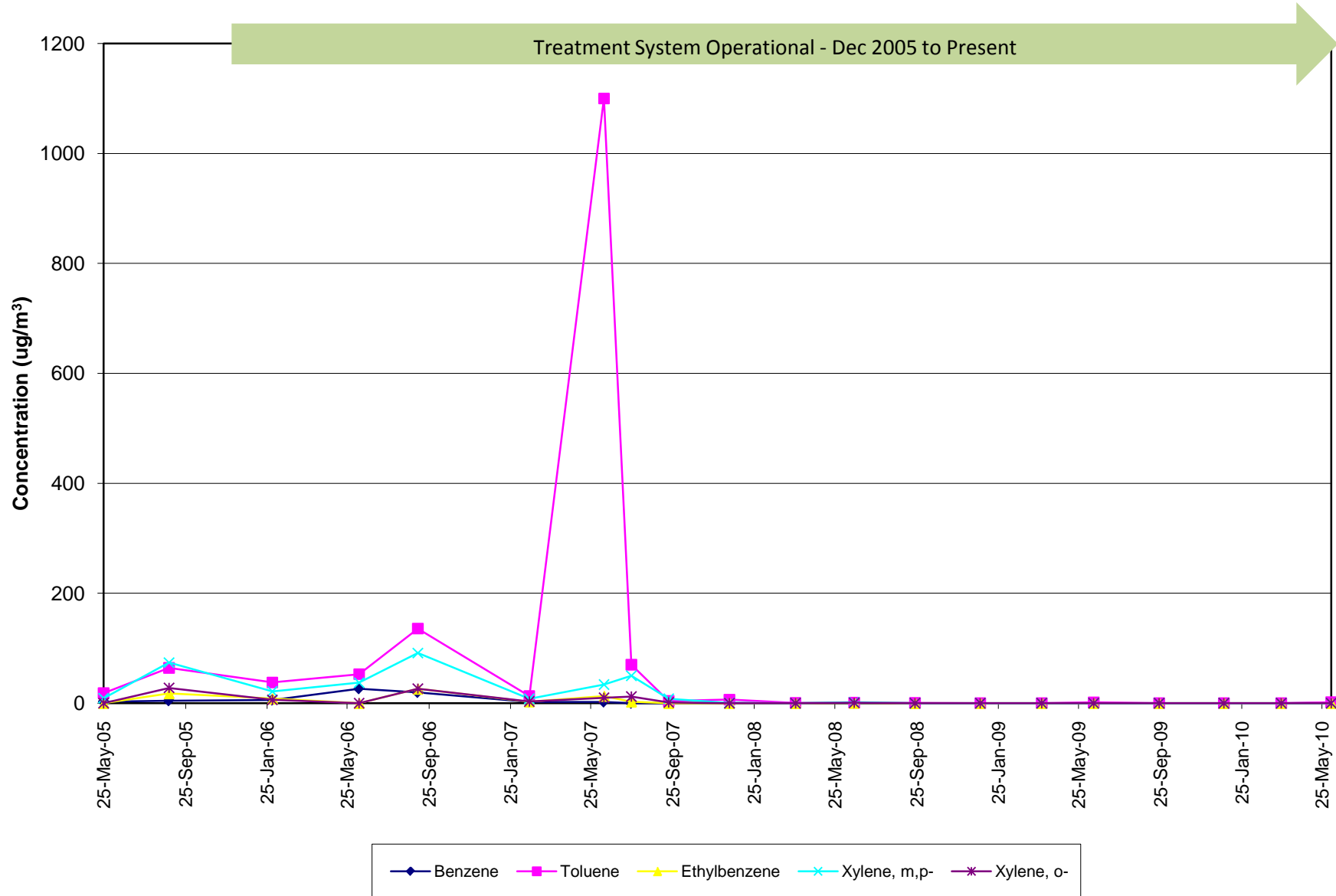
Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG09 BTEX



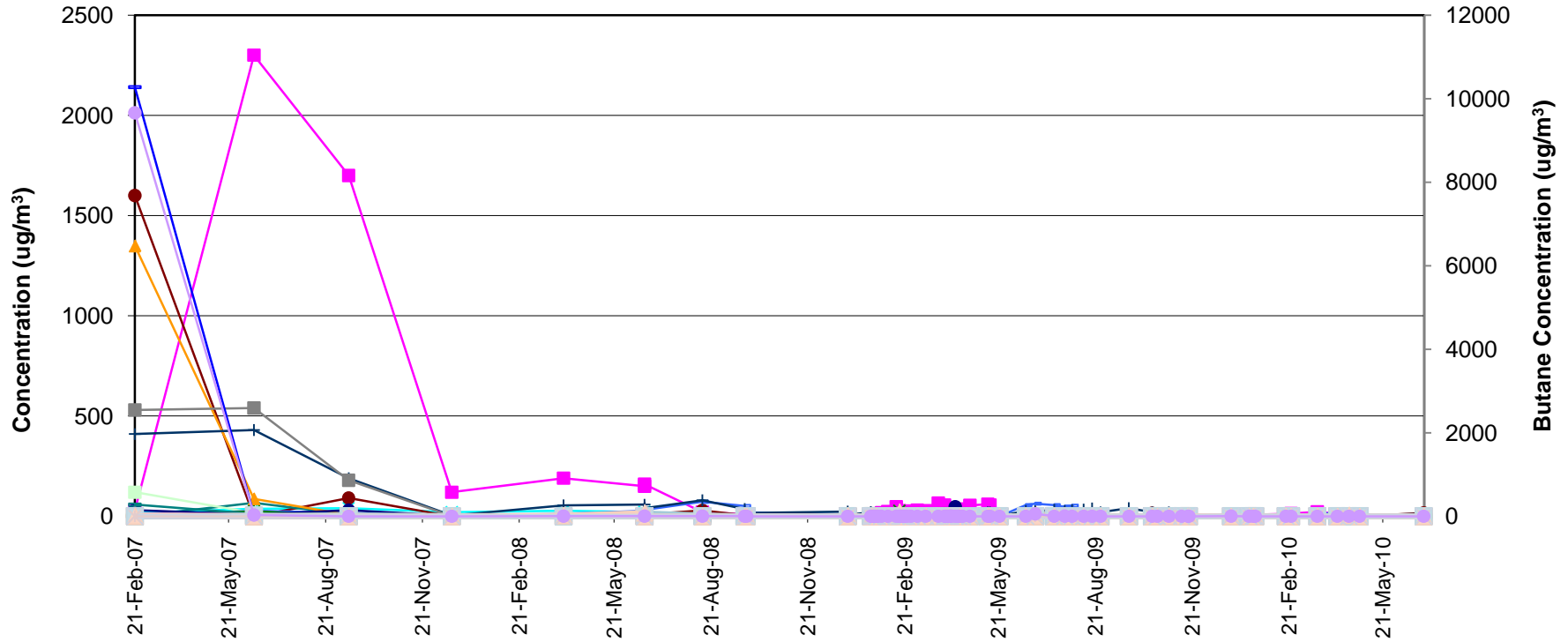
Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG10 BTEX



Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

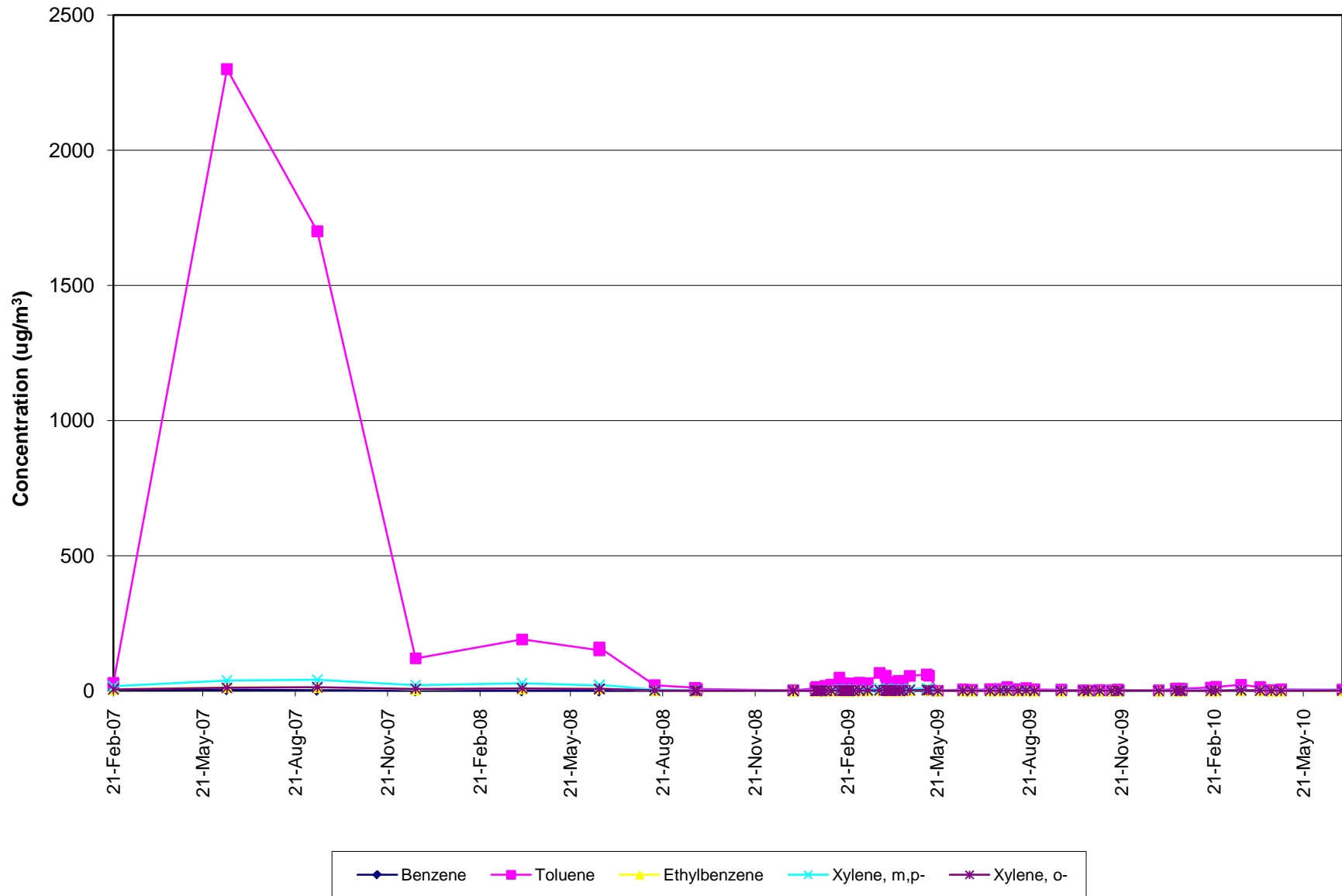
OU2SG11



Benzene	Toluene	Ethylbenzene	Xylene, m,p-	Xylene, o-	Acetaldehyde
Acetone	Acrolein (propenal)	Allyl chloride	Benzothiophene	Bromodichloromethane	Bromoform
Bromomethane	Butadiene, 1,3-	Butanone, 2-	Carbon disulfide	Carbon tetrachloride	Chlorobenzene
Chloroethane	Chloroform	Chloromethane	Chlorotoluene, 2-	Cryofluorane	Cyclohexane
Decane, n-	Dibromochloromethane	Dibromoethane, 1,2-	Dichlorobenzene, 1,2-	Dichlorobenzene, 1,3-	Dichlorobenzene, 1,4-
Dichlorodifluoromethane	Dichloroethane, 1,1-	Dichloroethane, 1,2-	Dichloroethene, 1,1-	Dichloroethene, cis-1,2-	Dichloropropane, 1,2-
Dichloropropene, cis-1,3	Dichloropropene, trans-1,3	Dioxane, 1,4-	Dodecane, n-	Ethanol	Ethylthiophene, 2-
Ethyltoluene, p-	Heptane, n-	Hexachlorobutadiene	Hexane, n-	Hexanone, 2-	Hydrogen sulfide
Indan	Indene	Isopropyl benzene	Methyl tert-butyl ether	Methyl-2-pentanone, 4-	Methylene chloride
Methylnaphthalene, 1-	Methylnaphthalene, 2-	Methylthiophene, 2-	Methylthiophene, 3-	Naphthalene	Nonane
Octane, n-	Pentane	Propanol, 2-	Propylbenzene, n-	Styrene	t-Butyl alcohol
Tetrachloroethane, 1,1,2,2-	Tetrachloroethene	Tetrahydrofuran	Tetramethylbenzene, 1,2,4,5-	Thiophene	Trans-1,2-dichloroethene
Trichloro-1,2,2-trifluoroethane, 1,1,2-	Trichlorobenzene, 1,2,4-	Trichloroethane, 1,1,1-	Trichloroethane, 1,1,2-	Trichloroethene	Trichlorofluoromethane
Trimethylbenzene, 1,2,3-	Trimethylbenzene, 1,2,4-	Trimethylbenzene, 1,3,5-	Trimethylpentane, 2,2,4-	Undecane, n-	Vinyl bromide
Vinyl chloride	Butane				

Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

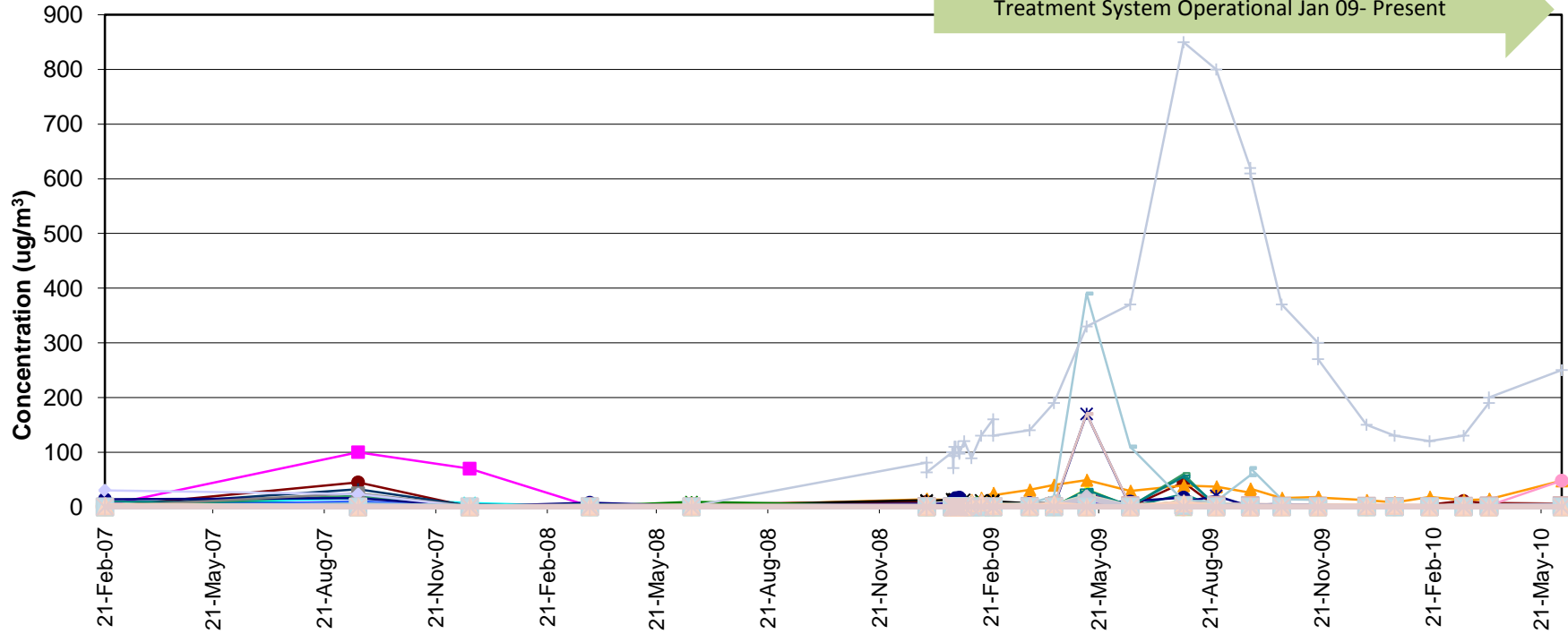
OU2SG11 BTEX



Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG12

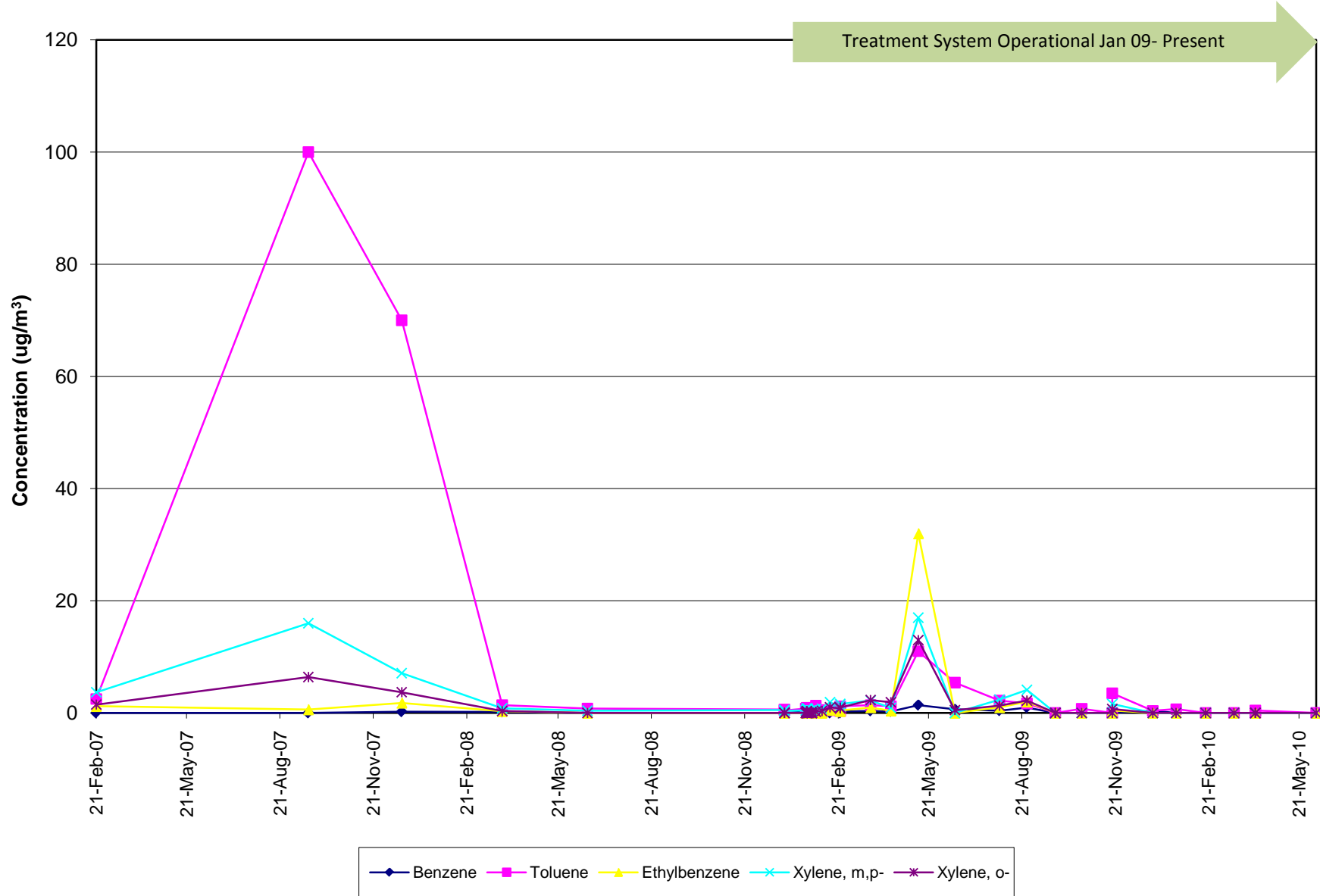
Treatment System Operational Jan 09- Present



Benzene	Toluene	Ethylbenzene	Xylene, m,p-	Xylene, o-	Acetaldehyde
Acetone	Acrolein (propenal)	Allyl chloride	Benzothiophene	Bromodichloromethane	Bromoform
Bromomethane	Butadiene, 1,3-	Butane	Butanone, 2-	Carbon disulfide	Carbon tetrachloride
Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Chlorotoluene, 2-	Cryofluorane
Cyclohexane	Decane, n-	Dibromochloromethane	Dibromoethane, 1,2-	Dichlorobenzene, 1,2-	Dichlorobenzene, 1,3-
Dichlorobenzene, 1,4-	Dichlorodifluoromethane	Dichloroethane, 1,1-	Dichloroethane, 1,2-	Dichloroethane, 1,1-	Dichloroethane, cis-1,2-
Dichloropropane, 1,2-	Dichloropropene, cis-1,3	Dichloropropene, trans-1,3	Dioxane, 1,4-	Dodecane, n-	Ethanol
Ethylthiophene, 2-	Ethyltoluene, p-	Heptane, n-	Hexachlorobutadiene	Hexane, n-	Hexanone, 2-
Hydrogen sulfide	Indan	Indene	Isopropyl benzene	Methyl tert-butyl ether	Methyl-2-pentanone, 4-
Methylene chloride	Methylnaphthalene, 1-	Methylnaphthalene, 2-	Methylthiophene, 2-	Methylthiophene, 3-	Naphthalene
Nonane	Octane, n-	Pentane	Propanol, 2-	Propylbenzene, n-	Styrene
t-Butyl alcohol	Tetrachloroethane, 1,1,2,2-	Tetrachloroethene	Tetrahydrofuran	Tetramethylbenzene, 1,2,4,5-	Thiophene
Trans-1,2-dichloroethene	Trichloro-1,2,2-trifluoroethane, 1,1,2-	Trichlorobenzene, 1,2,4-	Trichloroethane, 1,1,1-	Trichloroethane, 1,1,2-	Trichloroethene
Trichlorofluoromethane	Trimethylbenzene, 1,2,3-	Trimethylbenzene, 1,2,4-	Trimethylbenzene, 1,3,5-	Trimethylpentane, 2,2,4-	Undecane, n-
Vinyl bromide	Vinyl chloride				

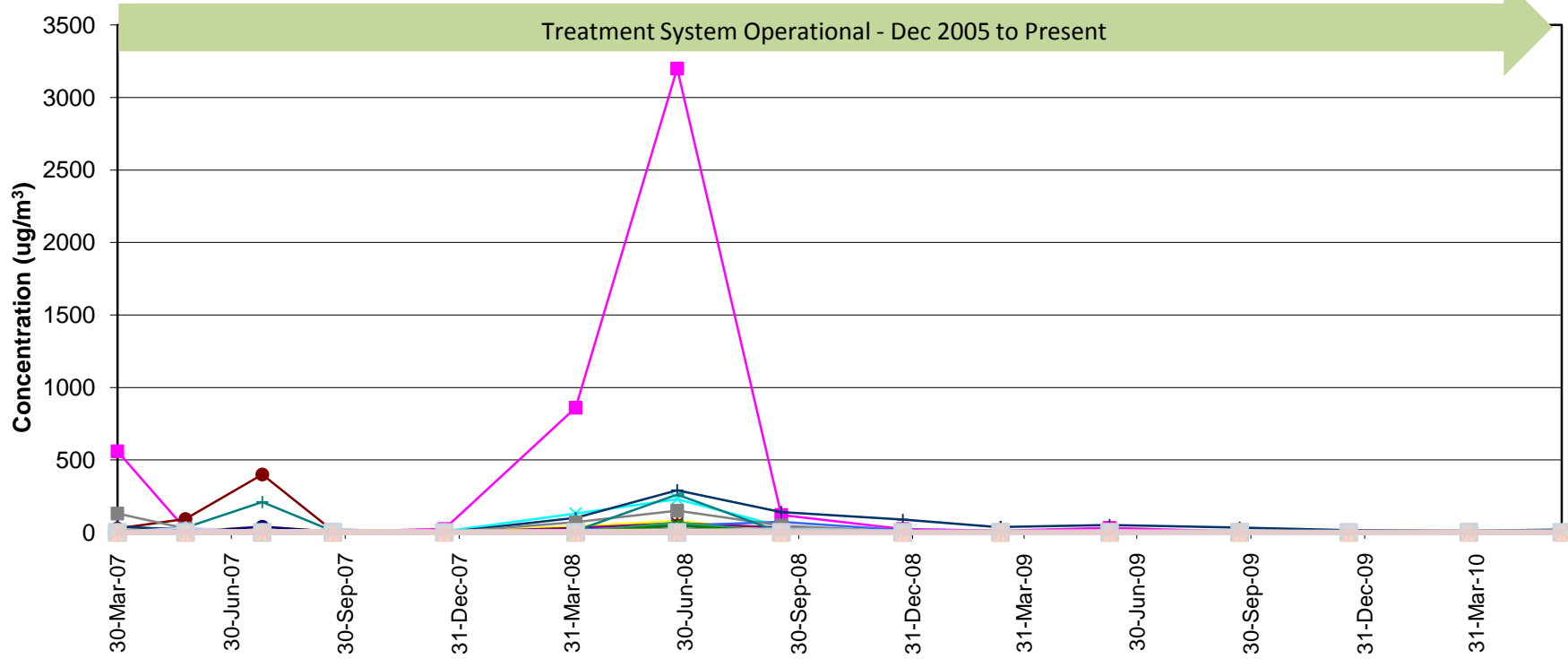
Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG12 BTEX



Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

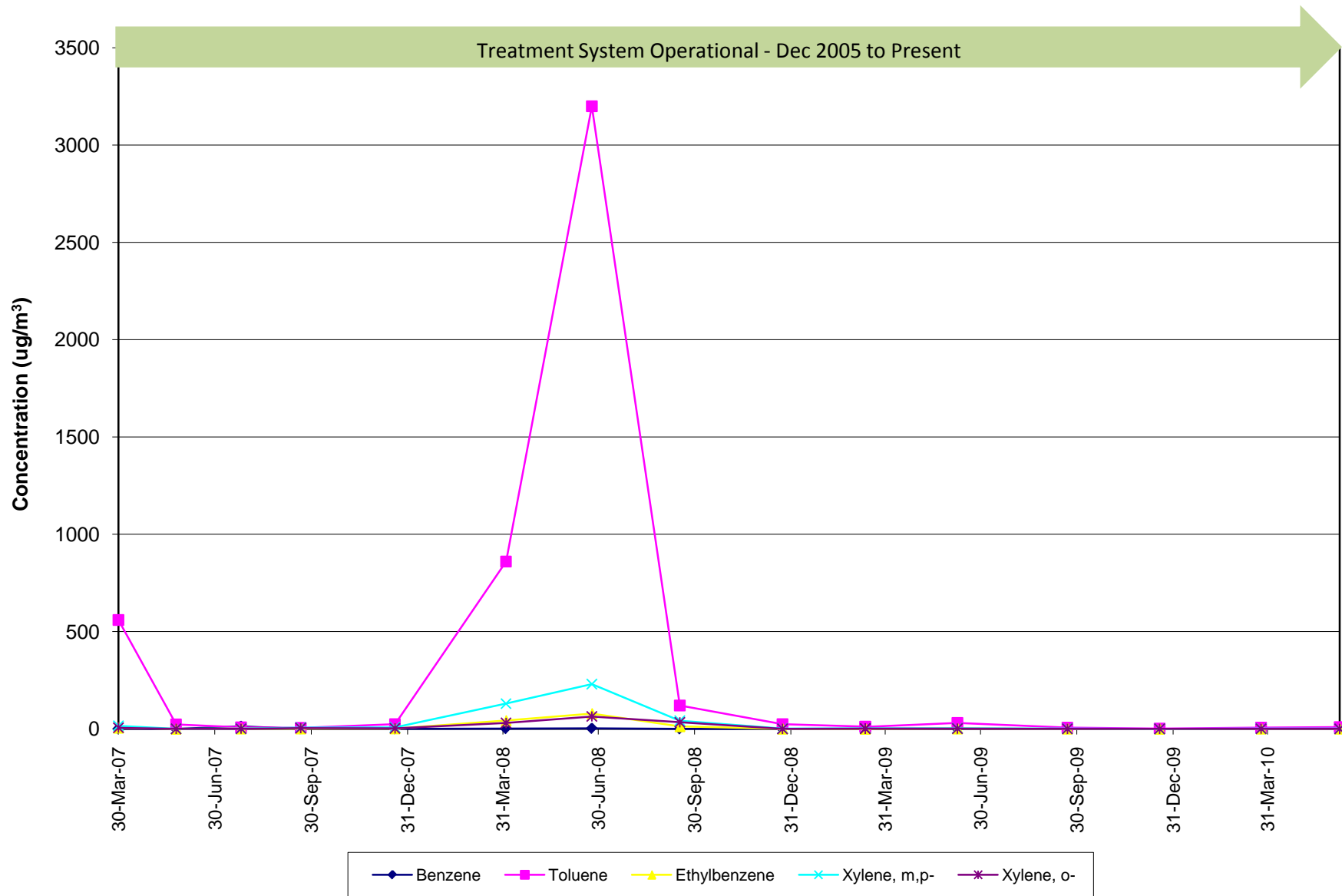
OU2SG13



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				

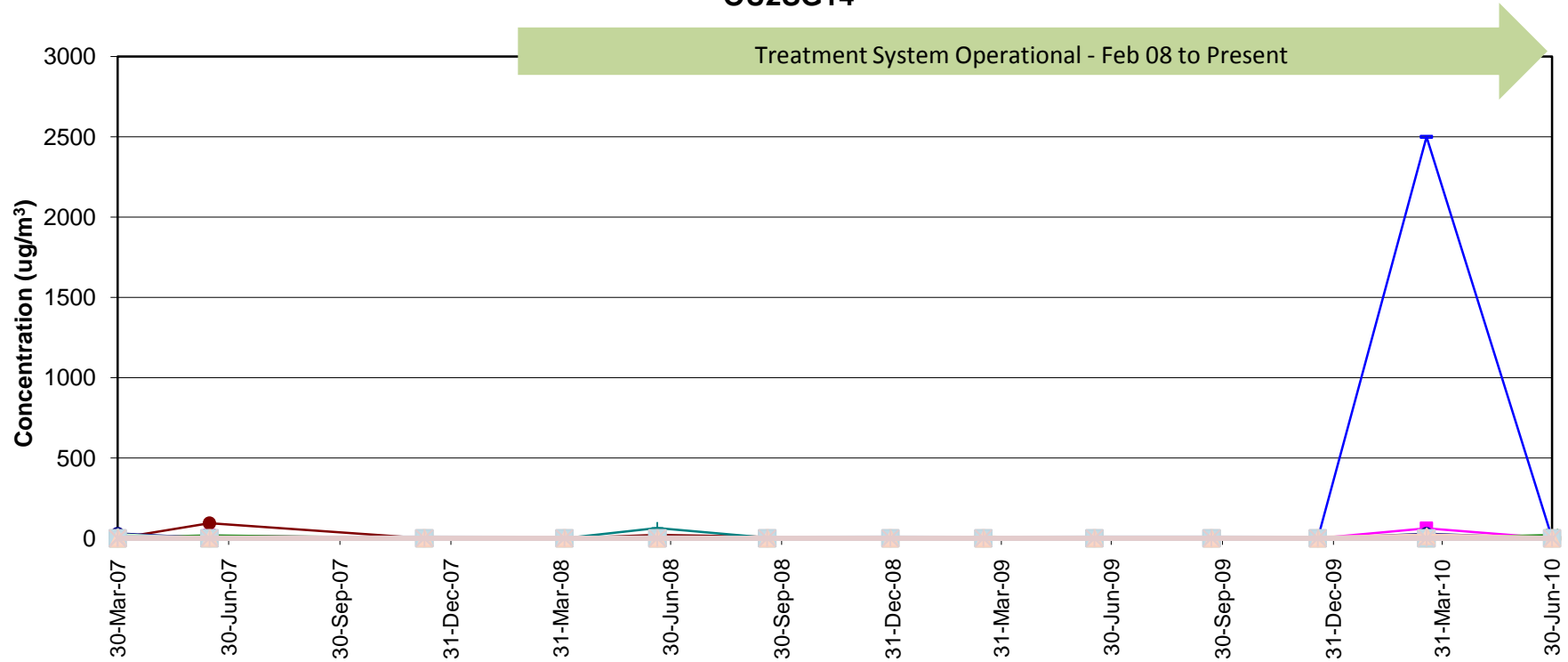
Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG13 BTEX



Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

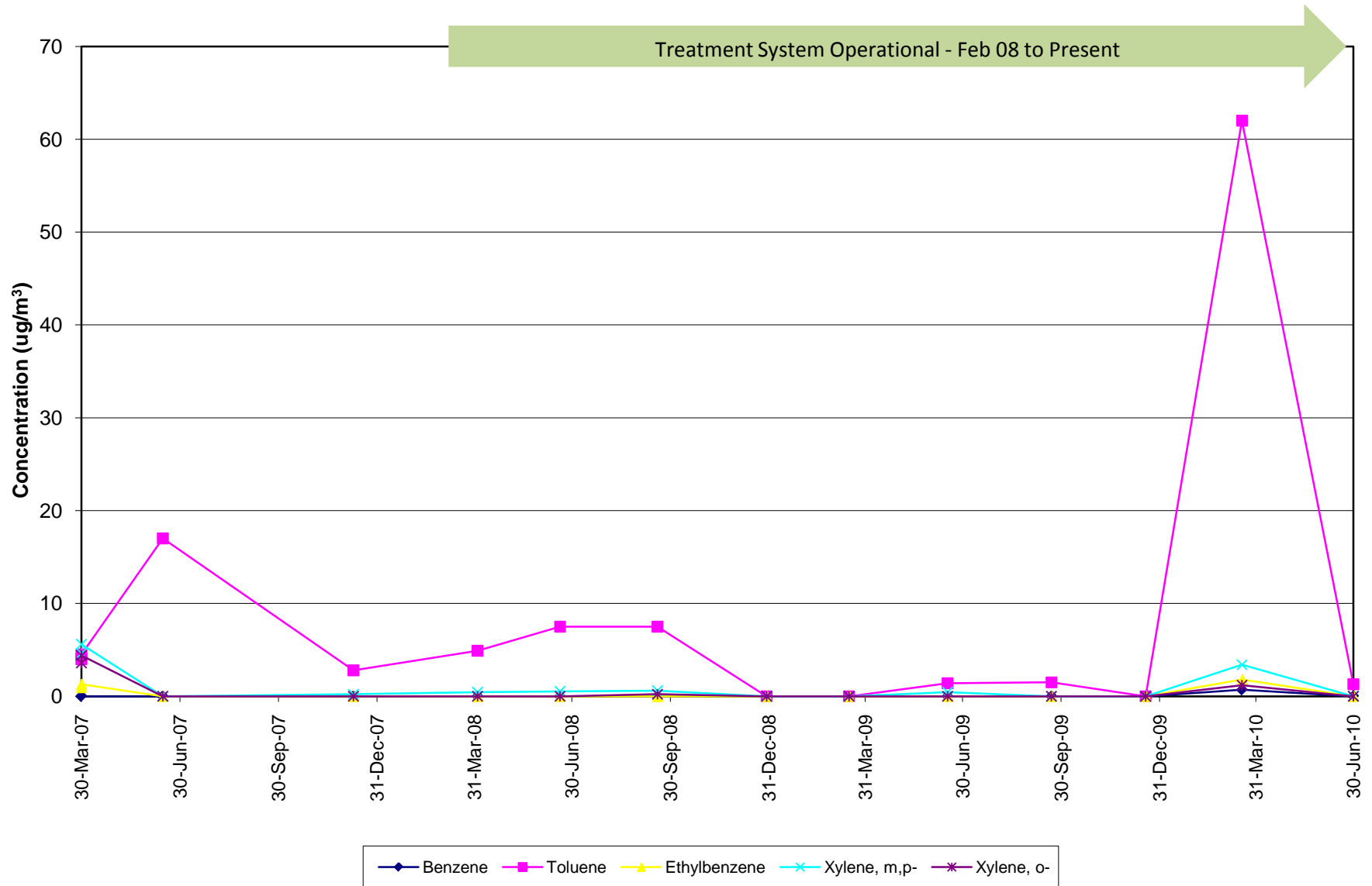
OU2SG14



Benzene	Toluene	Ethylbenzene	Xylene, m,p-	Xylene, o-	Acetaldehyde
Acetone	Acrolein (propenal)	Allyl chloride	Benzothiophene	Bromodichloromethane	Bromoform
Bromomethane	Butadiene, 1,3-	Butane	Butanone, 2-	Carbon disulfide	Carbon tetrachloride
Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Chlorotoluene, 2-	Cryofluorane
Cyclohexane	Decane, n-	Dibromochloromethane	Dibromoethane, 1,2-	Dichlorobenzene, 1,2-	Dichlorobenzene, 1,3-
Dichlorobenzene, 1,4-	Dichlorodifluoromethane	Dichloroethane, 1,1-	Dichloroethane, 1,2-	Dichloroethene, 1,1-	Dichloroethene, cis-1,2-
Dichloropropane, 1,2-	Dichloropropene, cis-1,3	Dichloropropene, trans-1,3	Dioxane, 1,4-	Dodecane, n-	Ethanol
Ethylthiophene, 2-	Ethyltoluene, p-	Heptane, n-	Hexachlorobutadiene	Hexane, n-	Hexanone, 2-
Hydrogen sulfide	Indan	Indene	Isopropyl benzene	Methyl tert-butyl ether	Methyl-2-pentanone, 4-
Methylene chloride	Methylnaphthalene, 1-	Methylnaphthalene, 2-	Methylthiophene, 2-	Methylthiophene, 3-	Naphthalene
Nonane	Octane, n-	Pentane	Propanol, 2-	Propylbenzene, n-	Styrene
t-Butyl alcohol	Tetrachloroethane, 1,1,2,2-	Tetrachloroethene	Tetrahydrofuran	Tetramethylbenzene, 1,2,4,5-	Thiophene
Trans-1,2-dichloroethene	Trichloro-1,2,2-trifluoroethane, 1,1,2-	Trichlorobenzene, 1,2,4-	Trichloroethane, 1,1,1-	Trichloroethane, 1,1,2-	Trichloroethene
Trichlorofluoromethane	Trimethylbenzene, 1,2,3-	Trimethylbenzene, 1,2,4-	Trimethylbenzene, 1,3,5-	Trimethylpentane, 2,2,4-	Undecane, n-
Vinyl bromide	Vinyl chloride				

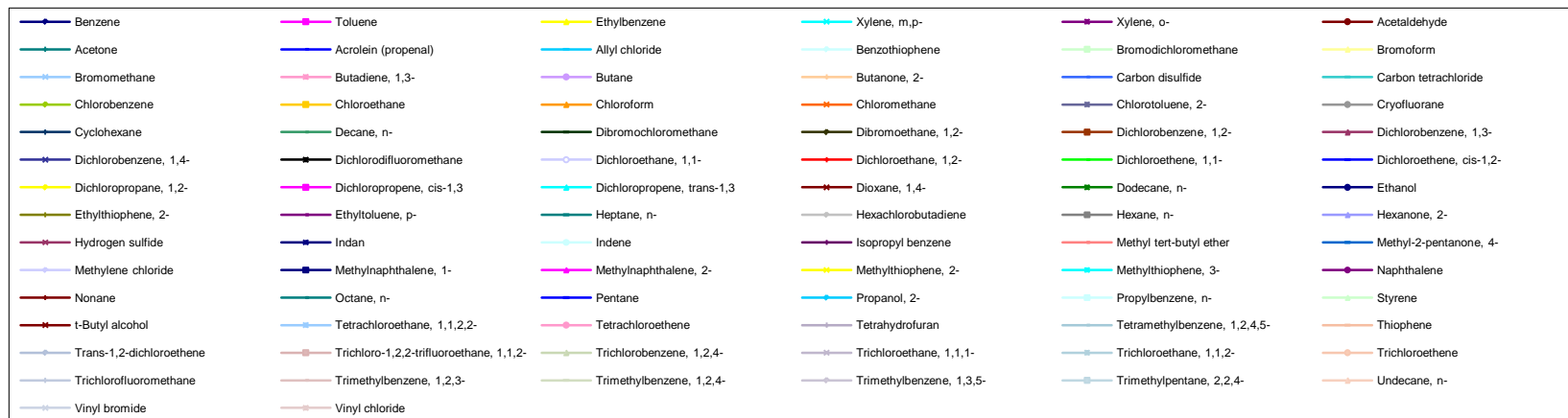
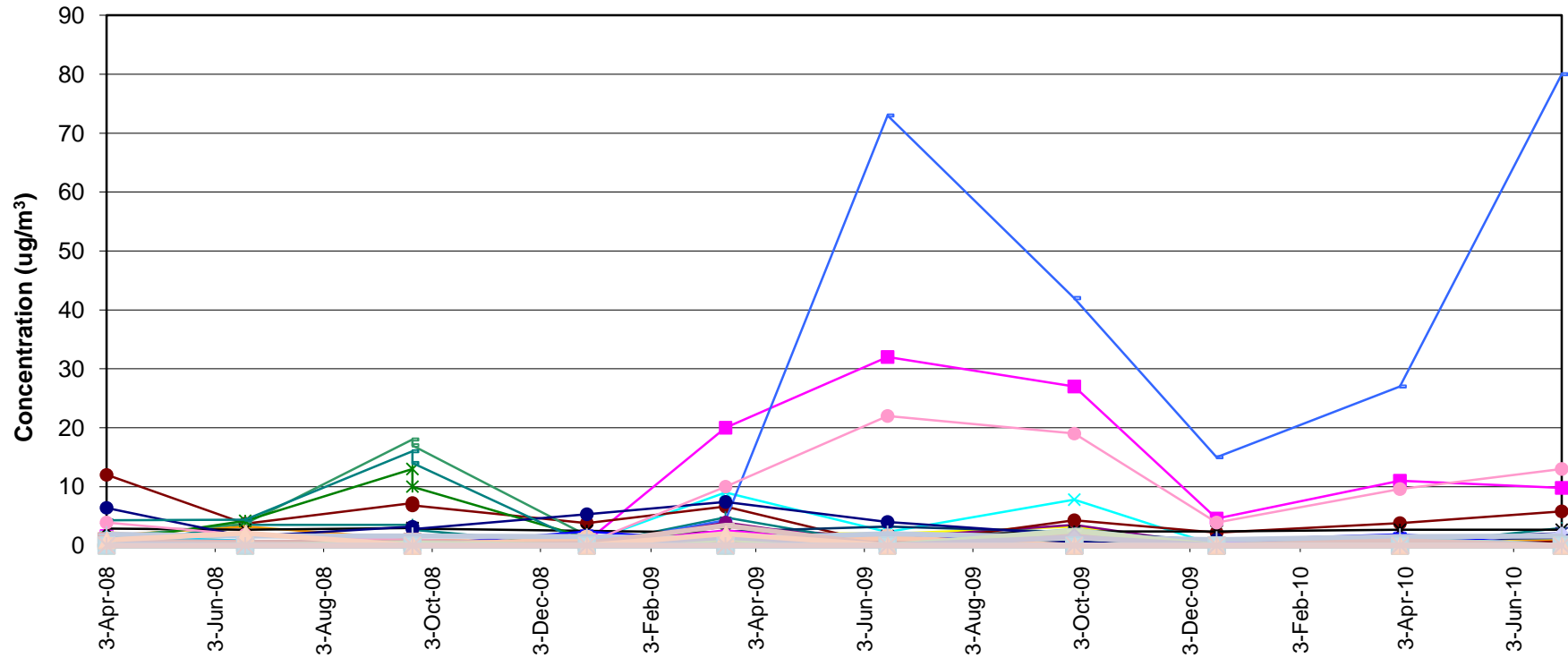
Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG14 BTEX



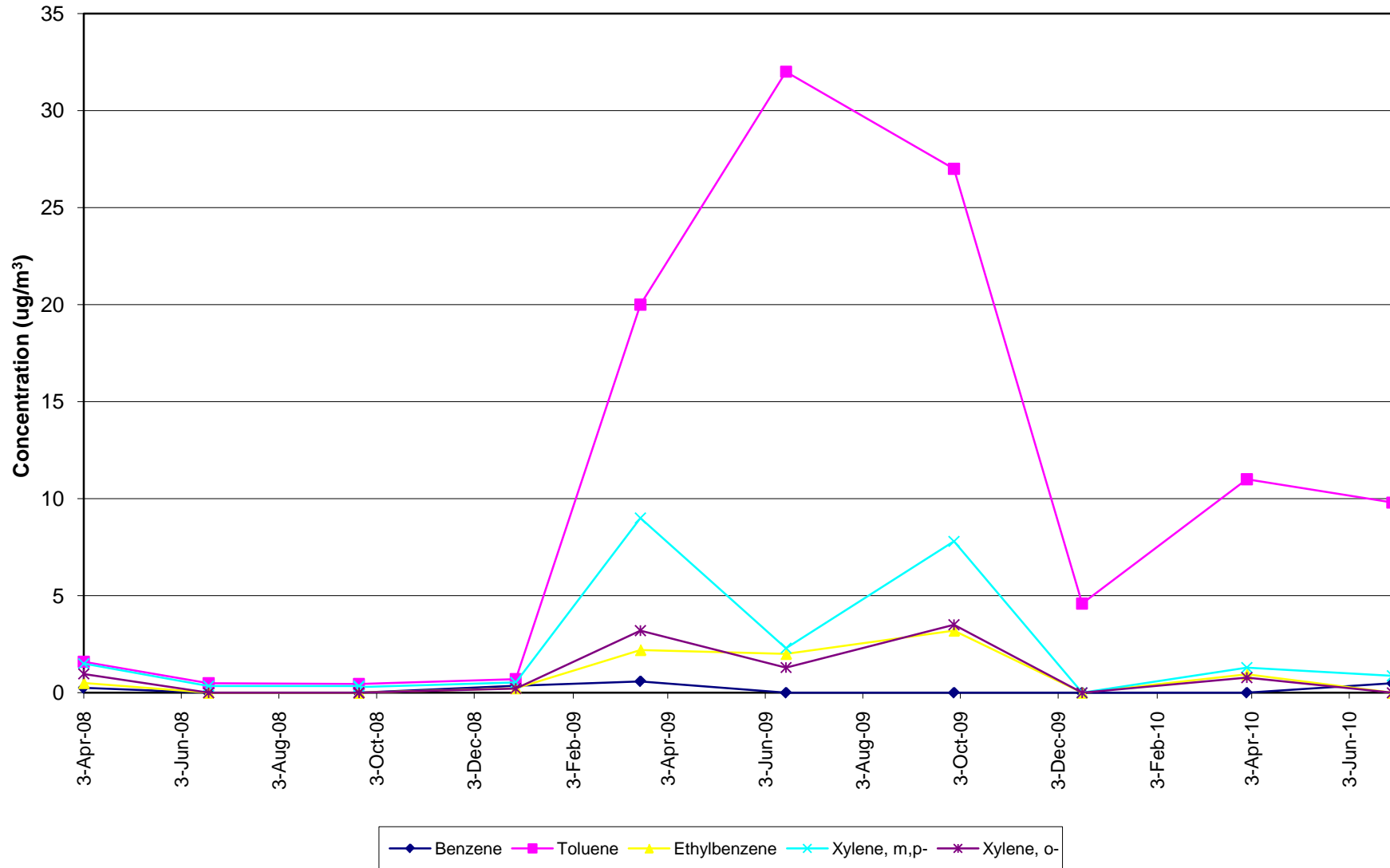
Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG17



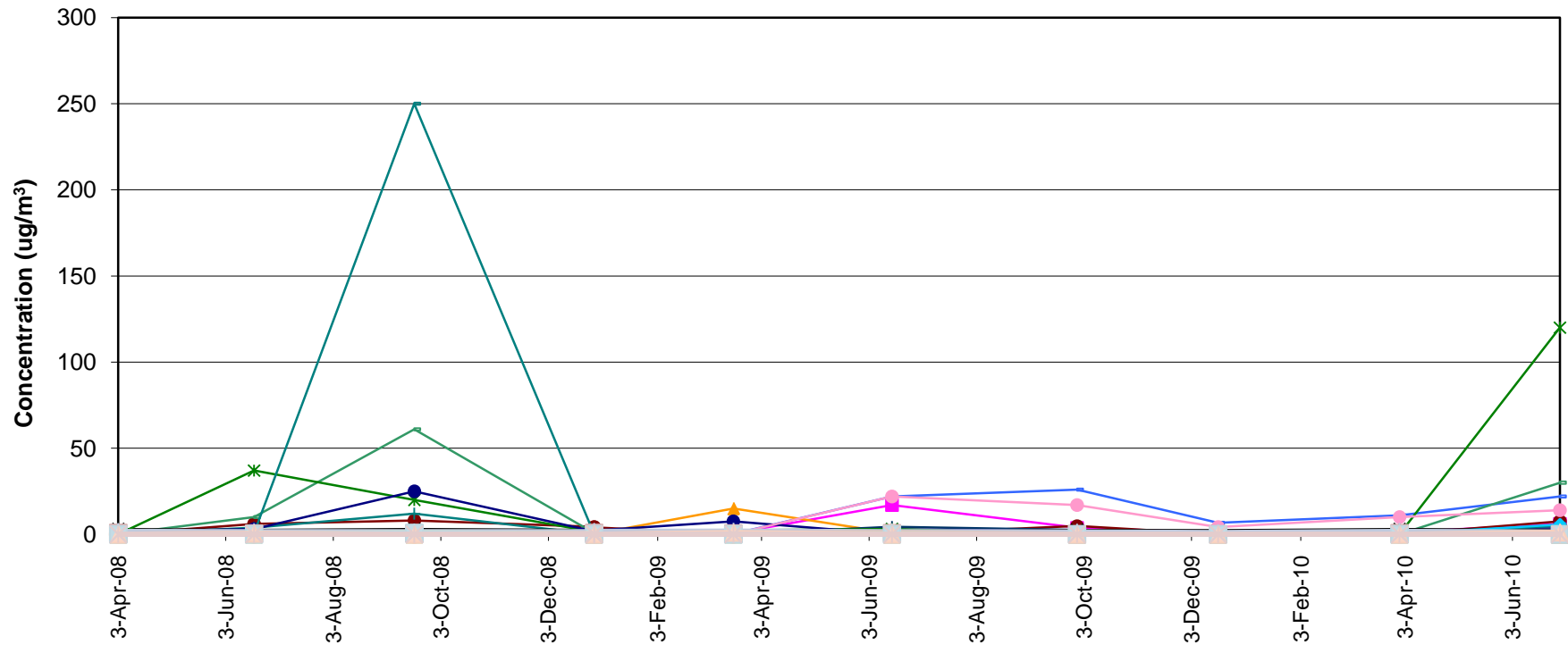
Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG17 BTEX



Appendix E
 Soil Vapor Analytical Results
 Bay Shore/Brightwaters Former MGP Site

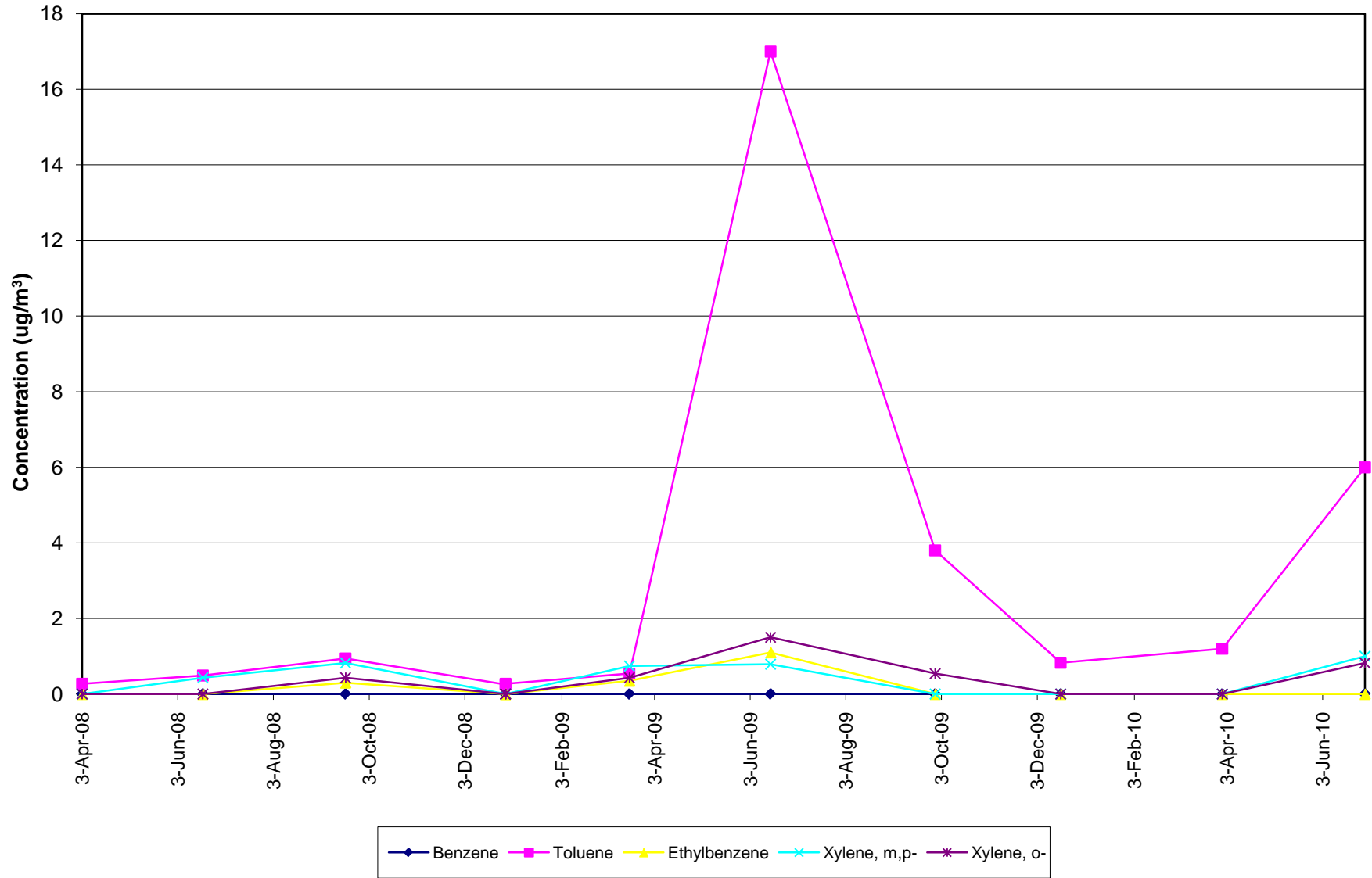
OU2SG18



Benzene	Toluene	Ethylbenzene	Xylene, m,p-	Xylene, o-	Acetaldehyde
Acetone	Acrolein (propenal)	Allyl chloride	Benzothiophene	Bromodichloromethane	Bromoform
Bromomethane	Butadiene, 1,3-	Butane	Butanone, 2-	Carbon disulfide	Carbon tetrachloride
Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Chlorotoluene, 2-	Cryofluorane
Cyclohexane	Decane, n-	Dibromochloromethane	Dibromoethane, 1,2-	Dichlorobenzene, 1,2-	Dichlorobenzene, 1,3-
Dichlorobenzene, 1,4-	Dichlorodifluoromethane	Dichloroethane, 1,1-	Dichloroethane, 1,2-	Dichloroethene, 1,1-	Dichloroethene, cis-1,2-
Dichloropropane, 1,2-	Dichloropropene, cis-1,3	Dichloropropene, trans-1,3	Dioxane, 1,4-	Dodecane, n-	Ethanol
Ethylthiophene, 2-	Ethyltoluene, p-	Heptane, n-	Hexachlorobutadiene	Hexane, n-	Hexanone, 2-
Hydrogen sulfide	Indan	Indene	Isopropyl benzene	Methyl tert-butyl ether	Methyl-2-pentanone, 4-
Methylene chloride	Methylnaphthalene, 1-	Methylnaphthalene, 2-	Methylthiophene, 2-	Methylthiophene, 3-	Naphthalene
Nonane	Octane, n-	Pentane	Propanol, 2-	Propylbenzene, n-	Styrene
t-Butyl alcohol	Tetrachloroethane, 1,1,2,2-	Tetrachloroethene	Tetrahydrofuran	Tetramethylbenzene, 1,2,4,5-	Thiophene
Trans-1,2-dichloroethene	Trichloro-1,2,2-trifluoroethane, 1,1,2-	Trichlorobenzene, 1,2,4-	Trichloroethane, 1,1,1-	Trichloroethane, 1,1,2-	Trichloroethene
Trichlorofluoromethane	Trimethylbenzene, 1,2,3-	Trimethylbenzene, 1,2,4-	Trimethylbenzene, 1,3,5-	Trimethylpentane, 2,2,4-	Undecane, n-
Vinyl bromide	Vinyl chloride				

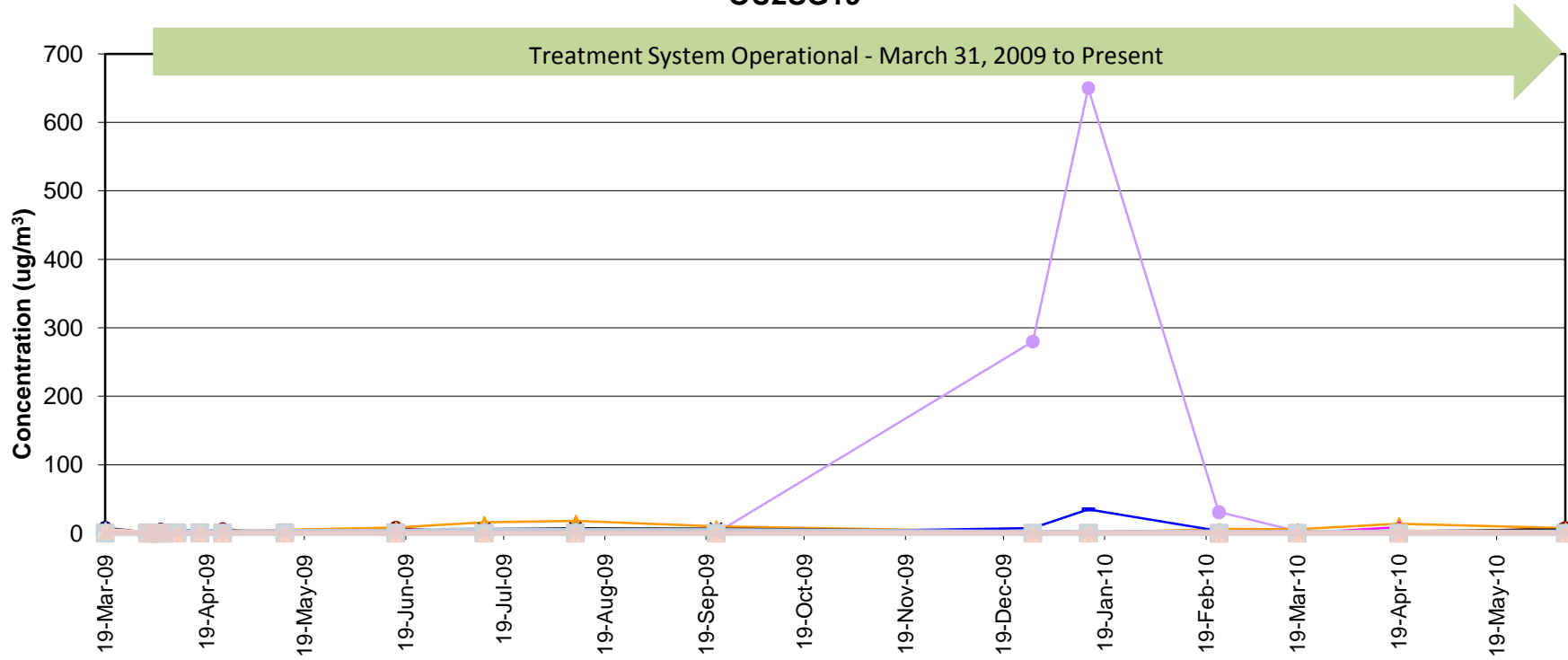
Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG18 BTEX



Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

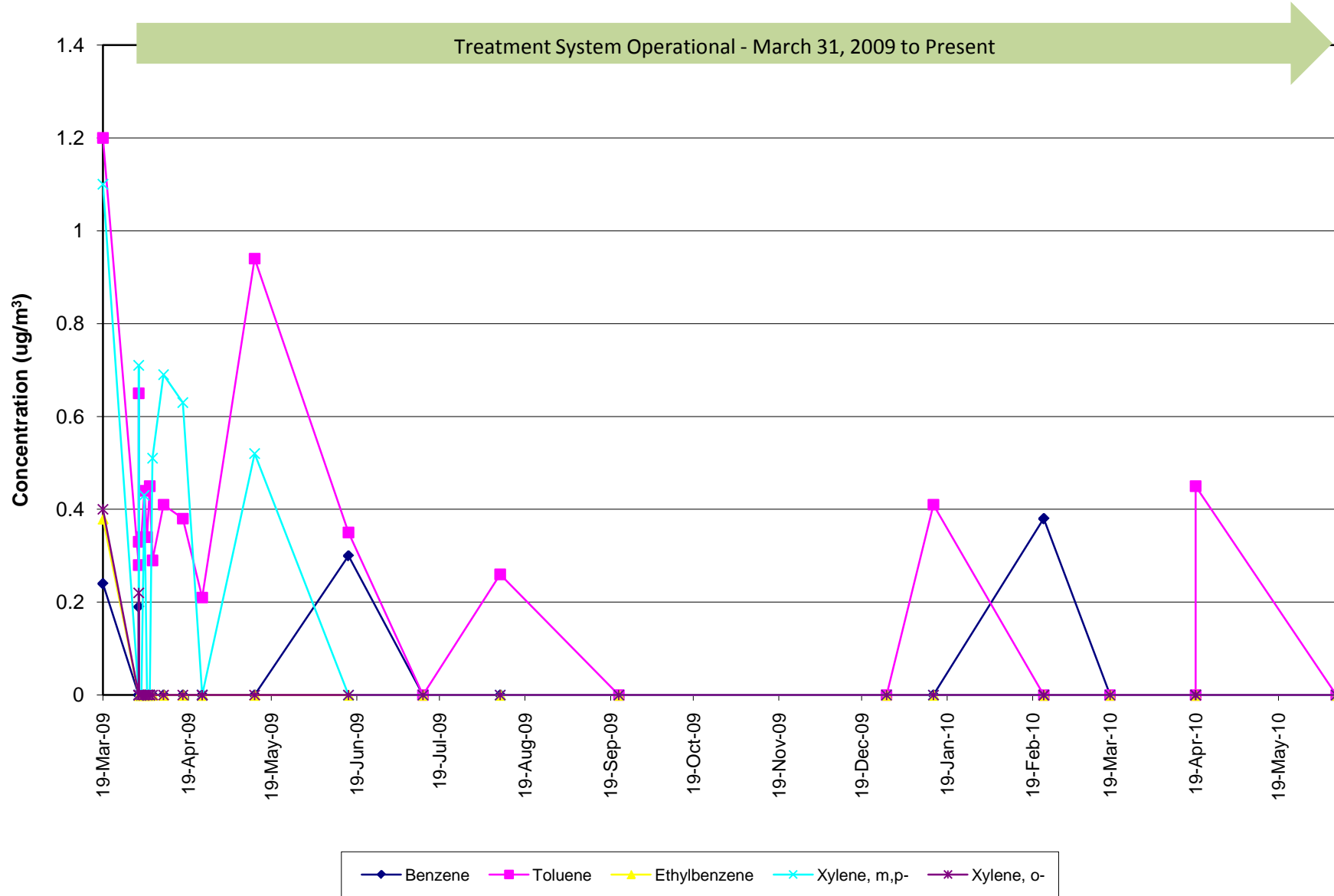
OU2SG19



Benzene	Toluene	Ethylbenzene	Xylene, m,p-	Xylene, o-	Acetaldehyde
Acetone	Acrolein (propenal)	Allyl chloride	Benzothiophene	Bromodichloromethane	Bromoform
Bromomethane	Butadiene, 1,3-	Butane	Butanone, 2-	Carbon disulfide	Carbon tetrachloride
Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Chlorotoluene, 2-	Cryofluorane
Cyclohexane	Decane, n-	Dibromochloromethane	Dibromoethane, 1,2-	Dichlorobenzene, 1,2-	Dichlorobenzene, 1,3-
Dichlorobenzene, 1,4-	Dichlorodifluoromethane	Dichloroethane, 1,1-	Dichloroethane, 1,2-	Dichloroethene, 1,1-	Dichloroethene, cis-1,2-
Dichloropropane, 1,2-	Dichloropropene, cis-1,3	Dichloropropene, trans-1,3	Dioxane, 1,4-	Dodecane, n-	Ethanol
Ethylthiophene, 2-	Ethyltoluene, p-	Heptane, n-	Hexachlorobutadiene	Hexane, n-	Hexanone, 2-
Hydrogen sulfide	Indan	Indene	Isopropyl benzene	Methyl tert-butyl ether	Methyl-2-pentanone, 4-
Methylene chloride	Methylnaphthalene, 1-	Methylnaphthalene, 2-	Methylthiophene, 2-	Methylthiophene, 3-	Naphthalene
Nonane	Octane, n-	Pentane	Propanol, 2-	Propylbenzene, n-	Styrene
t-Butyl alcohol	Tetrachloroethane, 1,1,2,2-	Tetrachloroethene	Tetrahydrofuran	Tetramethylbenzene, 1,2,4,5-	Thiophene
Trans-1,2-dichloroethene	Trichloro-1,2,2-trifluoroethane, 1,1,2-	Trichlorobenzene, 1,2,4-	Trichlorobenzene, 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				

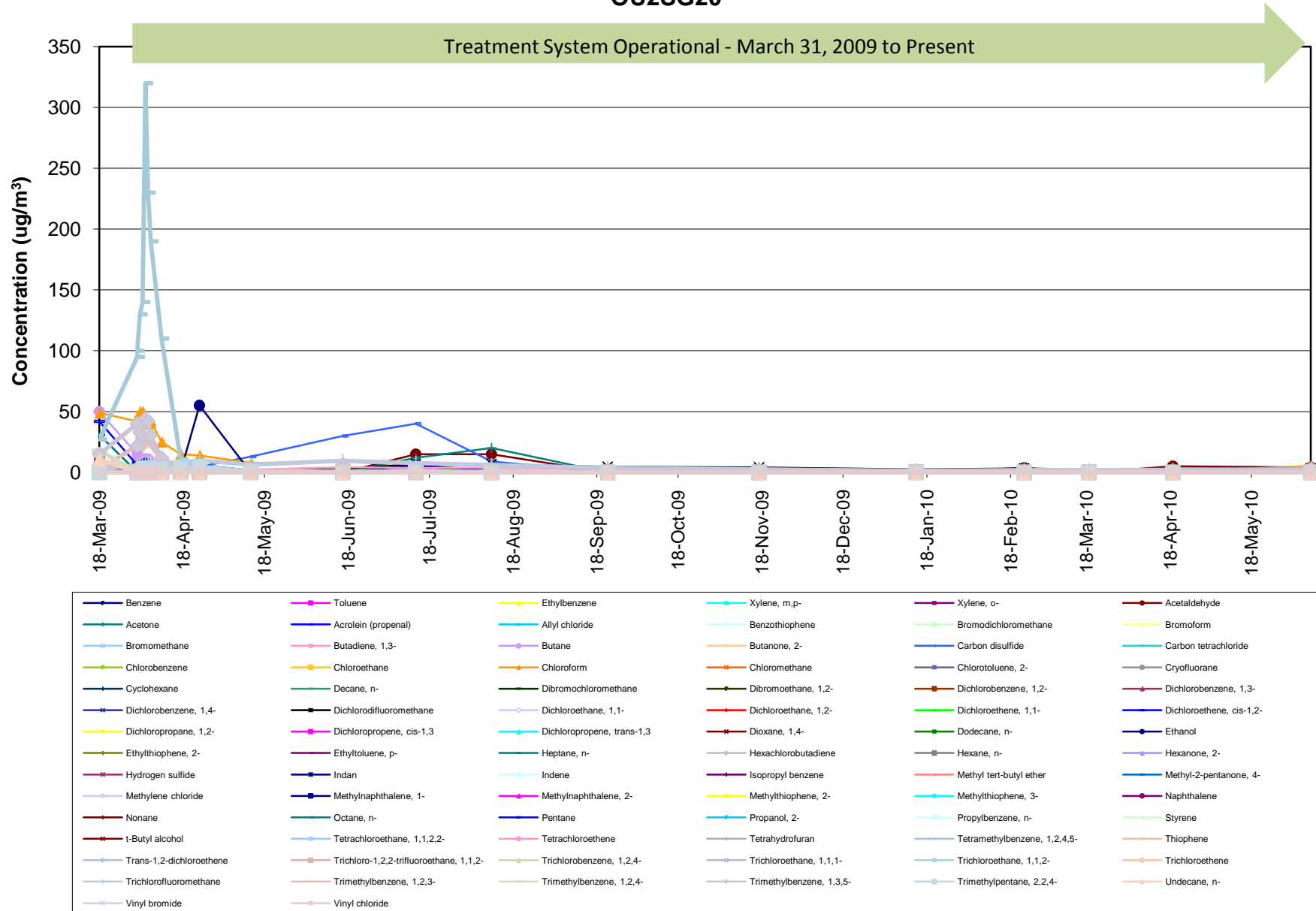
Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG19 BTEX



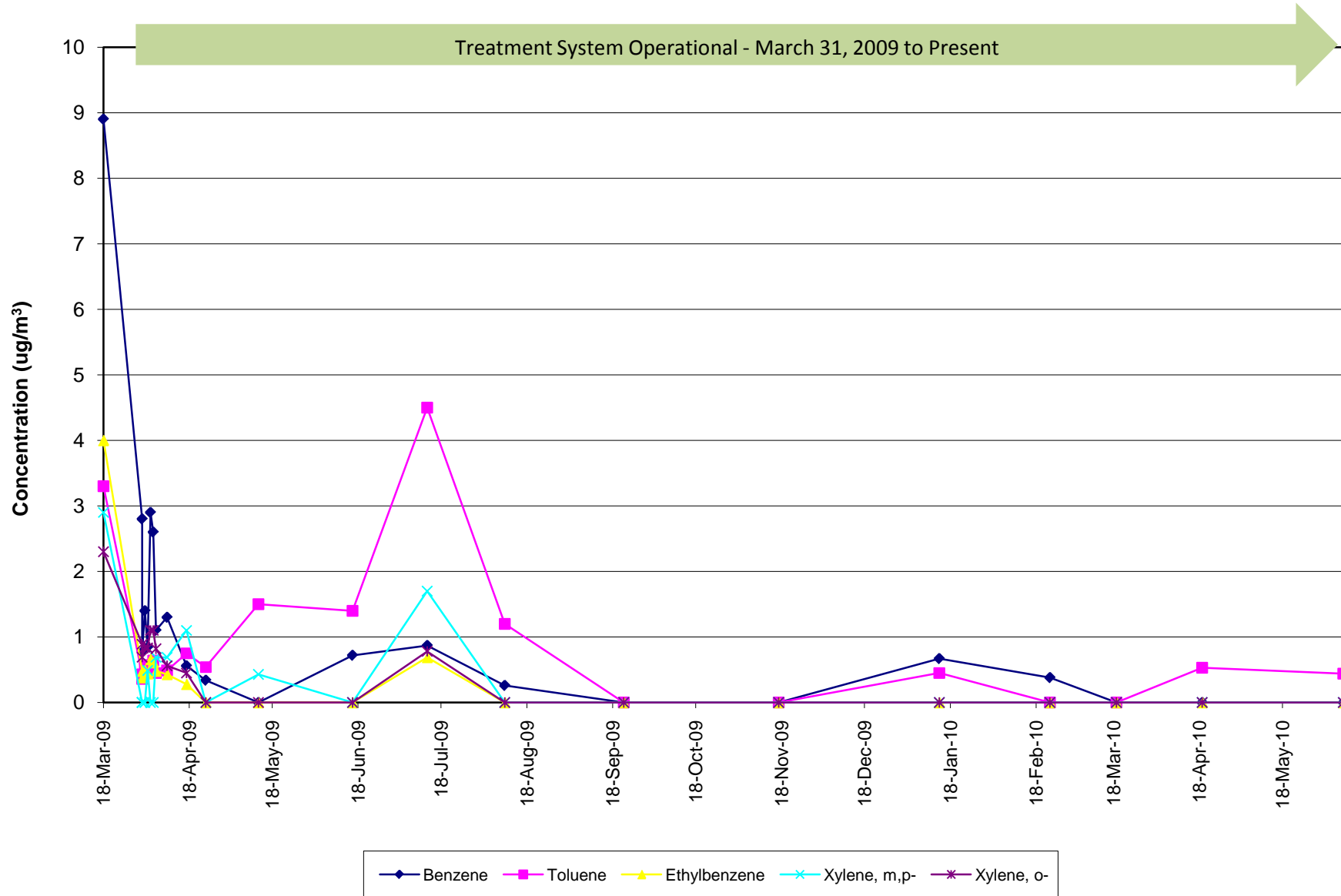
Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG20



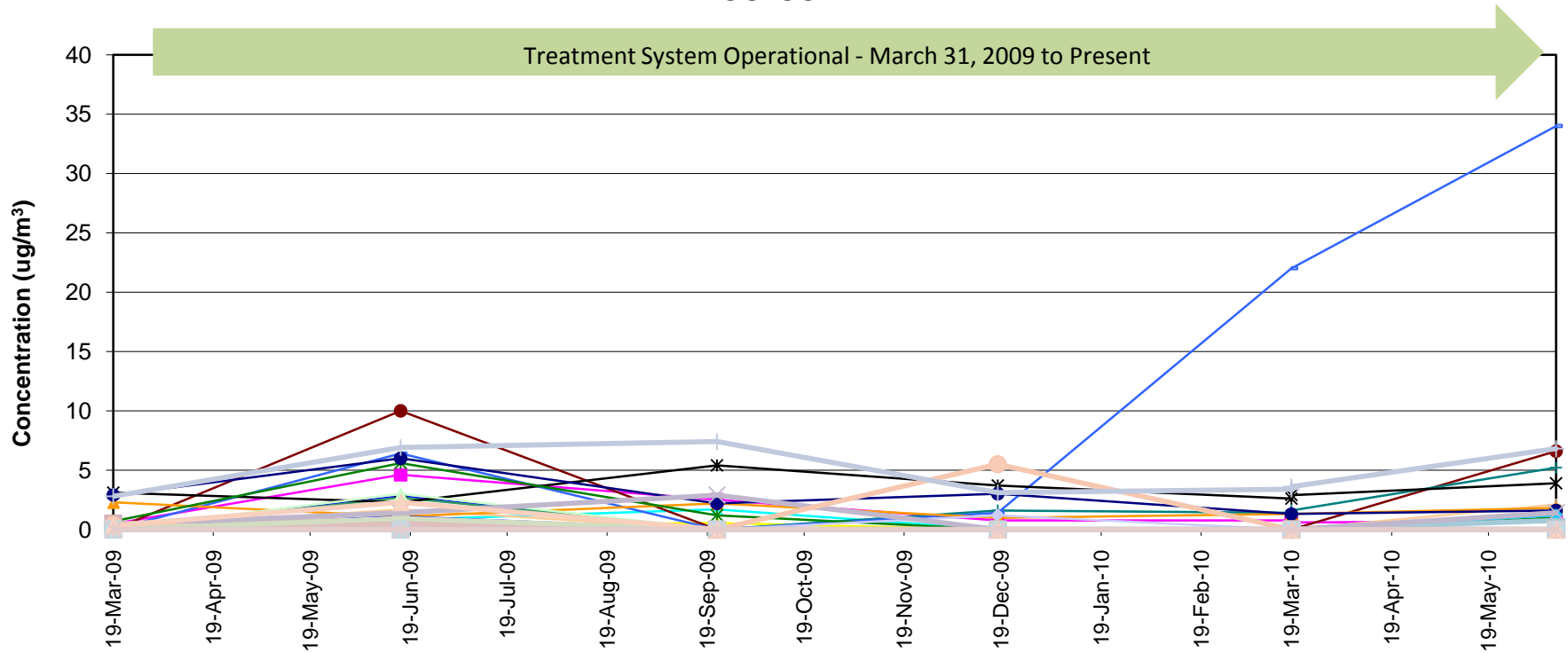
Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG20 BTEX



Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

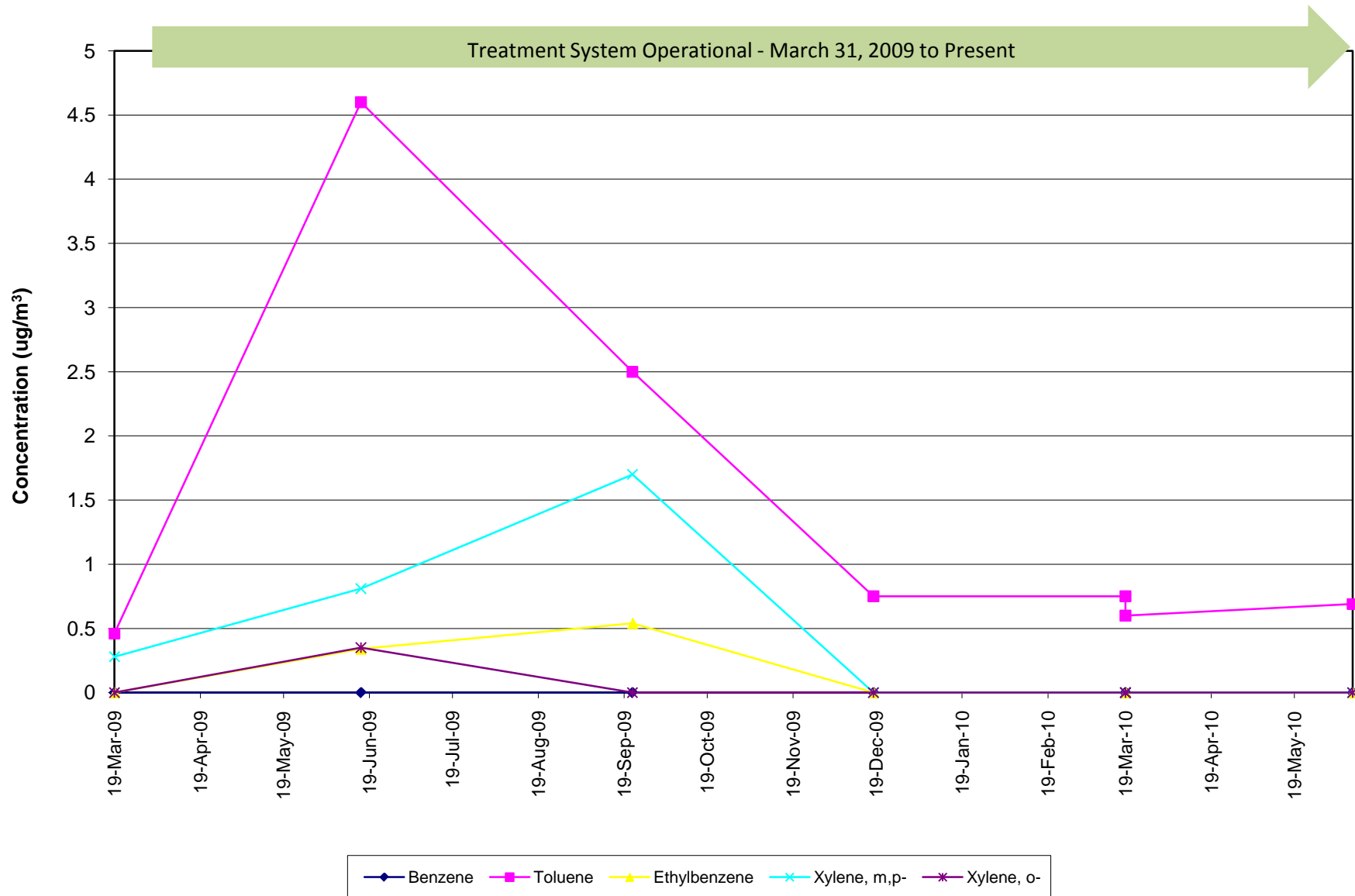
OU2SG21



Benzene	Toluene	Ethylbenzene	Xylene, m,p-	Xylene, o-	Acetaldehyde
Acetone	Acrolein (propenal)	Allyl chloride	Benzothiophene	Bromodichloromethane	Bromoform
Bromomethane	Butadiene, 1,3-	Butane	Butanone, 2-	Carbon disulfide	Carbon tetrachloride
Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Chlorotoluene, 2-	Cryofluorane
Cyclohexane	Decane, n-	Dibromochloromethane	Dibromoethane, 1,2-	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				

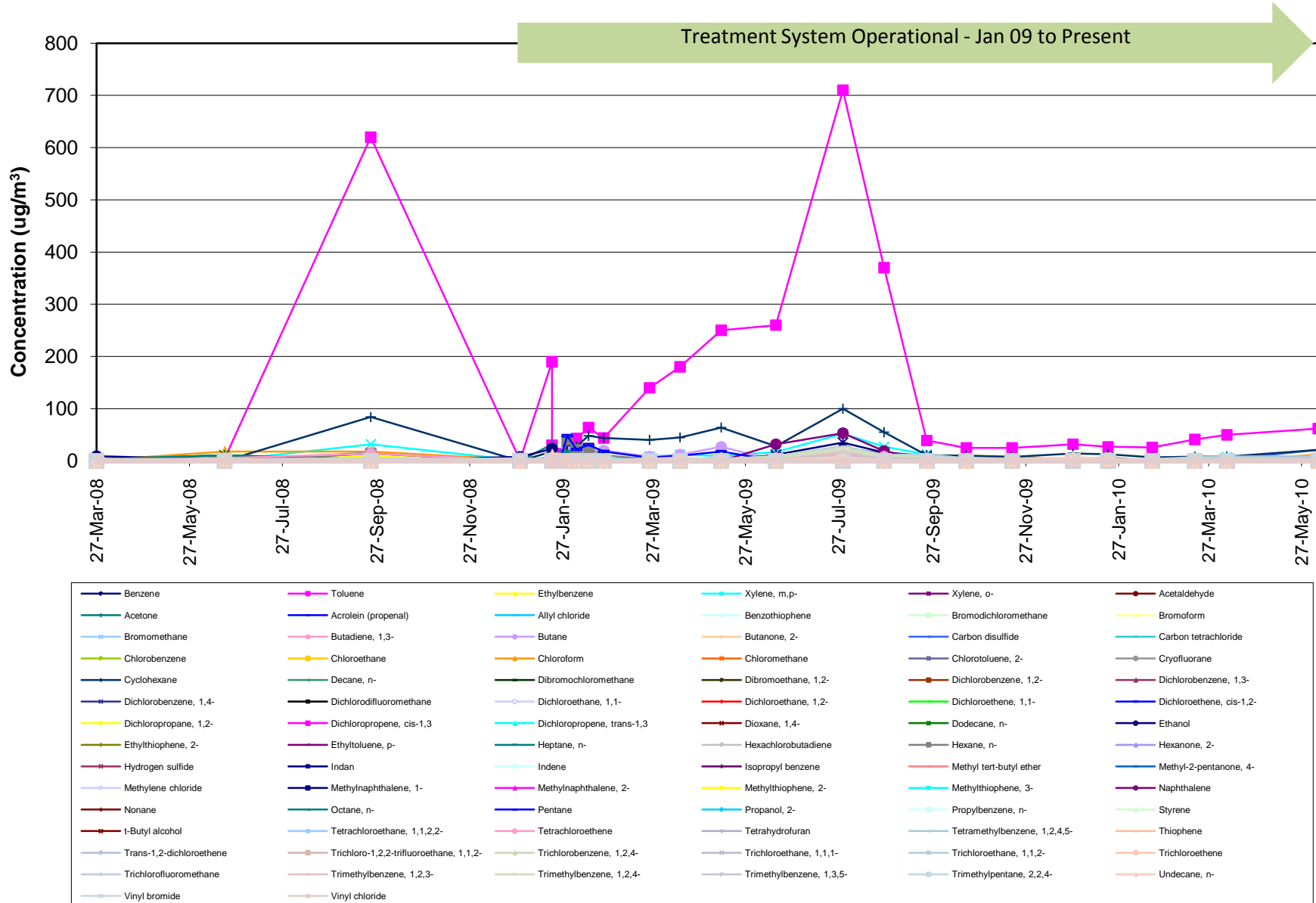
Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG21 BTEX



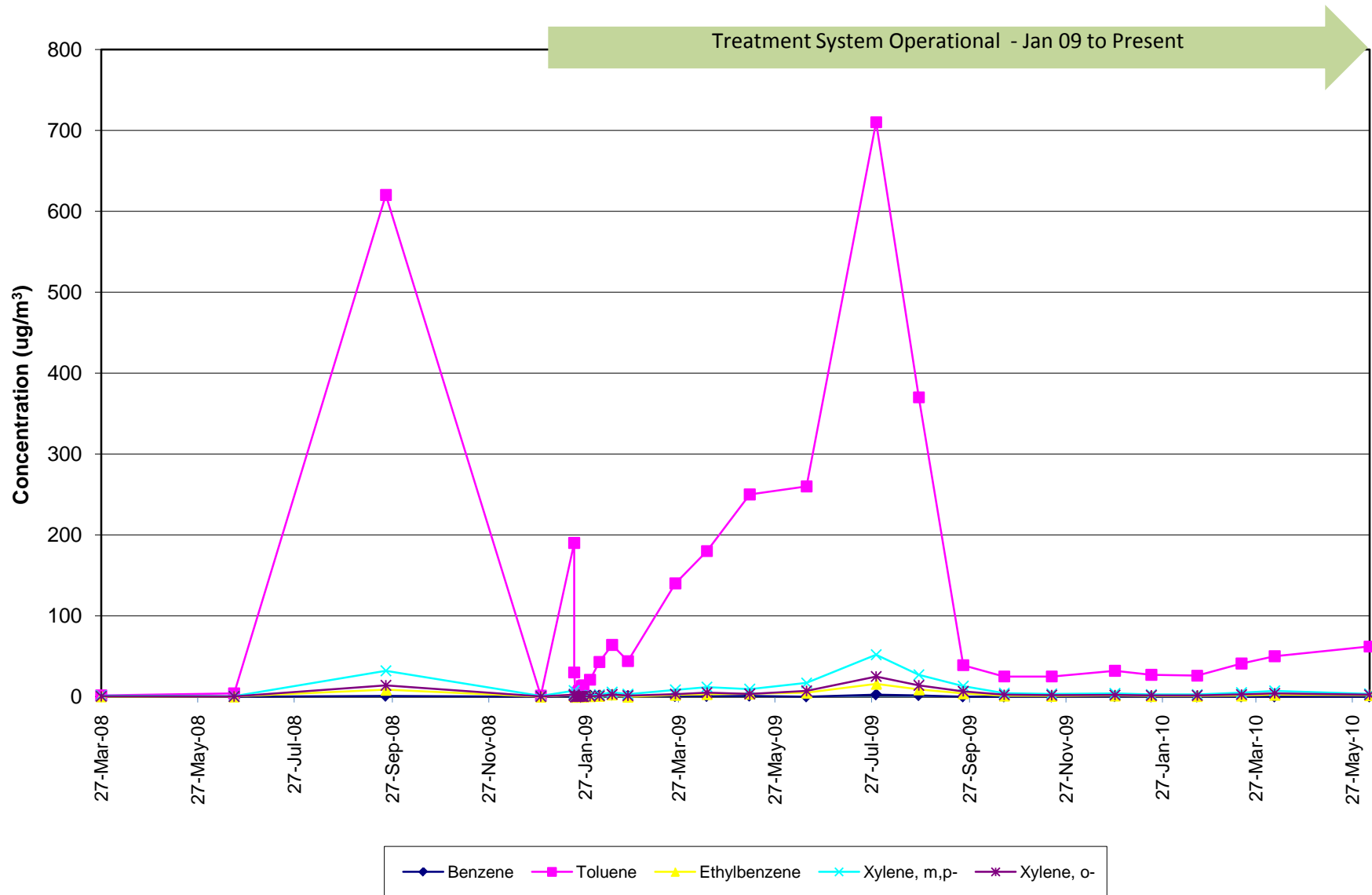
Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG22



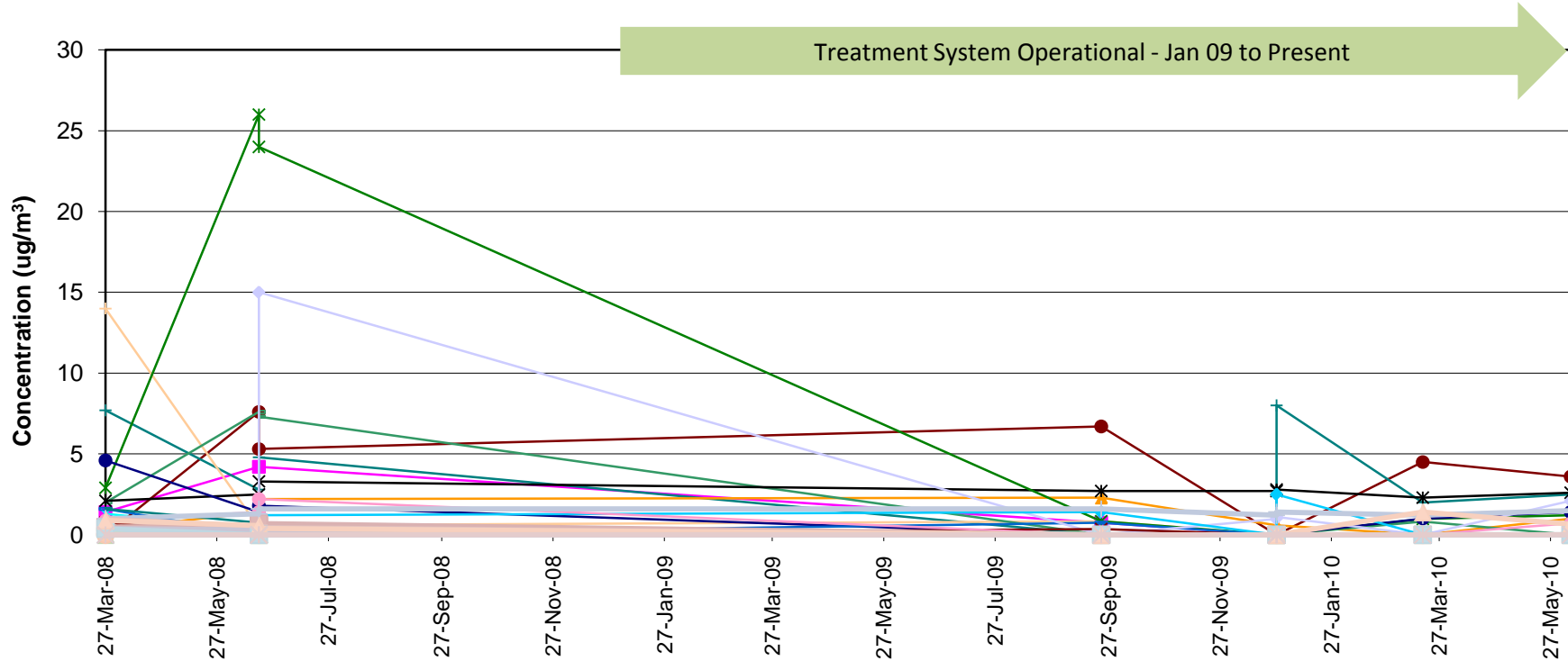
Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG22 BTEX



Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

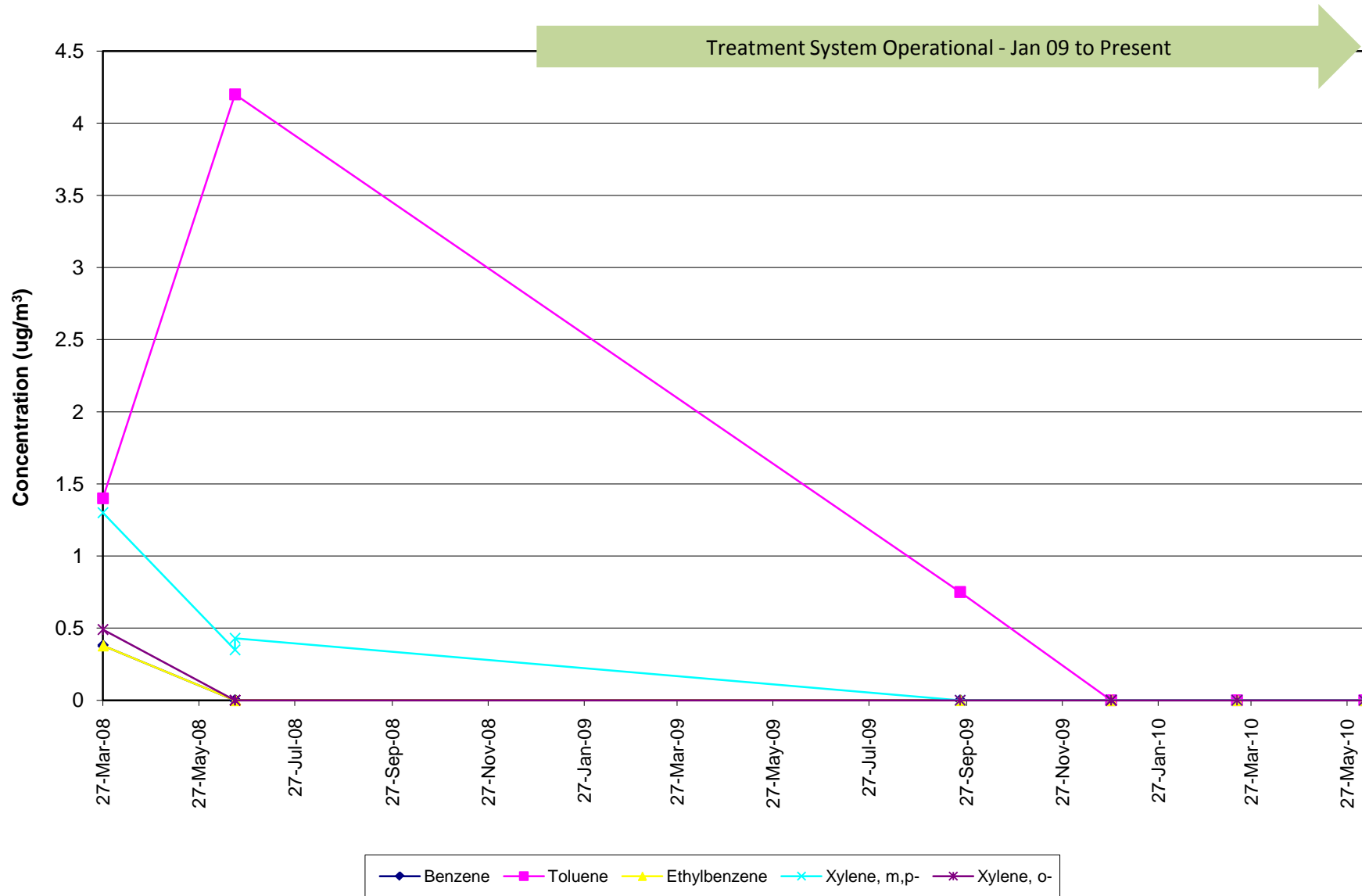
OU2SG23



◆ Benzene	◆ Toluene	◆ Ethylbenzene	◆ Xylene, m,p	◆ Xylene, o-	◆ Acetaldehyde
◆ Acetone	◆ Acrolein (propenal)	◆ Allyl chloride	◆ Benzothiophene	◆ Bromodichloromethane	◆ Bromoform
◆ Bromomethane	◆ Butadiene, 1,3-	◆ Butane	◆ Butanone, 2-	◆ Carbon disulfide	◆ Carbon tetrachloride
◆ Chlorobenzene	◆ Chloroethane	◆ Chloroform	◆ Chloromethane	◆ Chlorotoluene, 2-	◆ Cryofluorane
◆ Cyclohexane	◆ Decane, n-	◆ Dibromochloromethane	◆ Dibromoethane, 1,2-	◆ Dichlorobenzene, 1,2-	◆ Dichlorobenzene, 1,3-
◆ Dichlorobenzene, 1,4-	◆ Dichlorodifluoromethane	◆ Dichloroethane, 1,1-	◆ Dichloroethane, 1,2-	◆ Dichloroethene, 1,1-	◆ Dichloroethene, cis-1,2-
◆ Dichloropropane, 1,2-	◆ Dichloropropene, cis-1,3	◆ Dichloropropene, trans-1,3	◆ Dioxane, 1,4-	◆ Dodecane, n-	◆ Ethanol
◆ Ethylthiophene, 2-	◆ Ethyltoluene, p-	◆ Heptane, n-	◆ Hexachlorobutadiene	◆ Hexane, n-	◆ Hexanone, 2-
◆ Hydrogen sulfide	◆ Indan	◆ Indene	◆ Isopropyl benzene	◆ Methyl tert-butyl ether	◆ Methyl-2-pentanone, 4-
◆ Methylene chloride	◆ Methylnaphthalene, 1-	◆ Methylnaphthalene, 2-	◆ Methylthiophene, 2-	◆ Methyldiethyl ether	◆ Naphthalene
◆ Nonane	◆ Octane, n-	◆ Pentane	◆ Propanol, 2-	◆ Propylbenzene, n-	◆ Styrene
◆ t-Butyl alcohol	◆ Tetrachloroethane, 1,1,2,2-	◆ Tetrachloroethene	◆ Tetrahydrofuran	◆ Tetramethylbenzene, 1,2,4,5-	◆ Thiophene
◆ Trans-1,2-dichloroethene	◆ Trichloro-1,2,2-trifluoroethane, 1,1,2-	◆ Trichlorobenzene, 1,2,4-	◆ Trichloroethane, 1,1,1-	◆ Trichloroethane, 1,1,2-	◆ Trichloroethene
◆ Trichlorofluoromethane	◆ Trimethylbenzene, 1,2,3-	◆ Trimethylbenzene, 1,2,4-	◆ Trimethylbenzene, 1,1,1-	◆ Trimethylbenzene, 1,3,5-	◆ Undecane, n-
◆ Vinyl bromide	◆ Vinyl chloride				

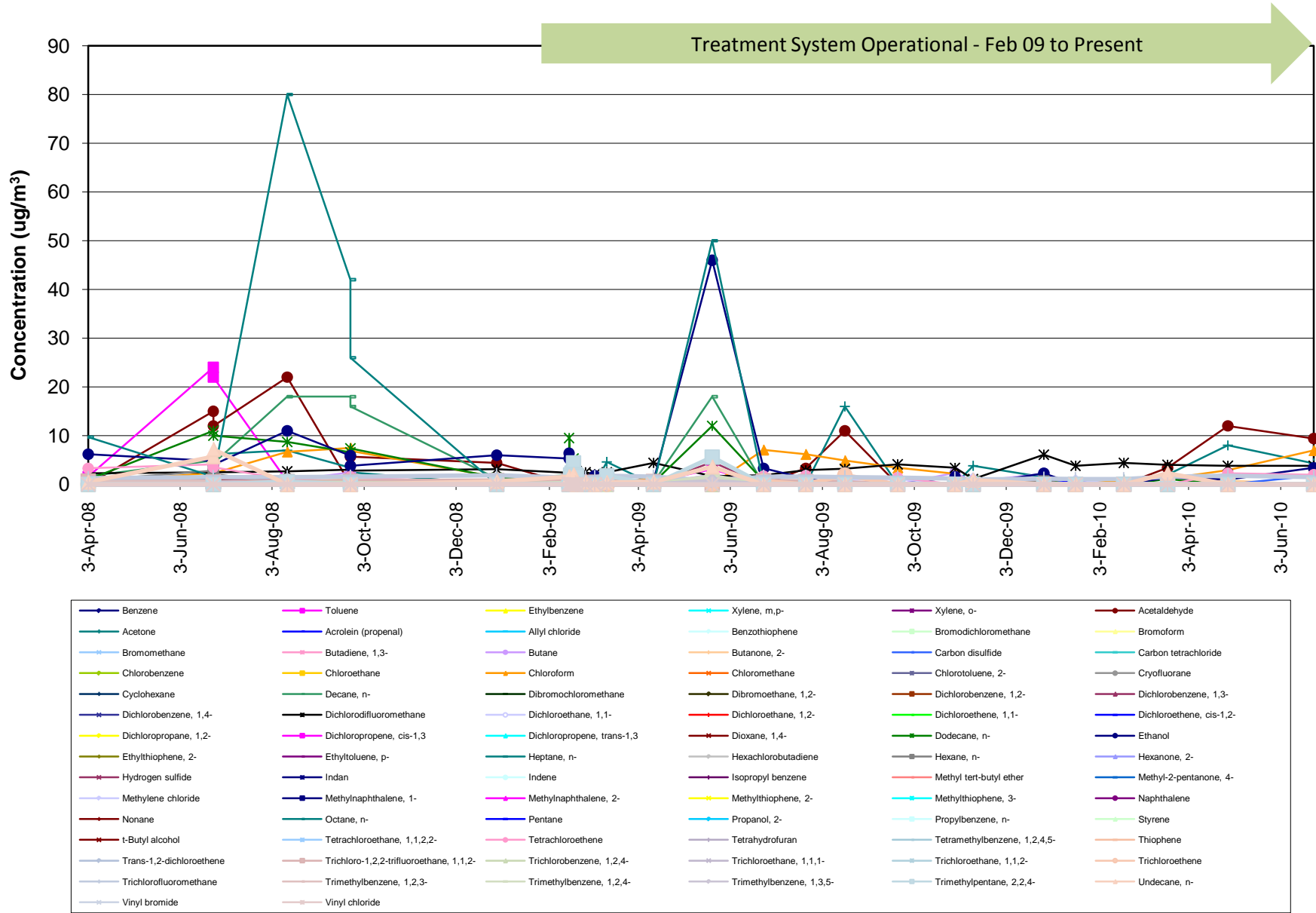
Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG23 BTEX



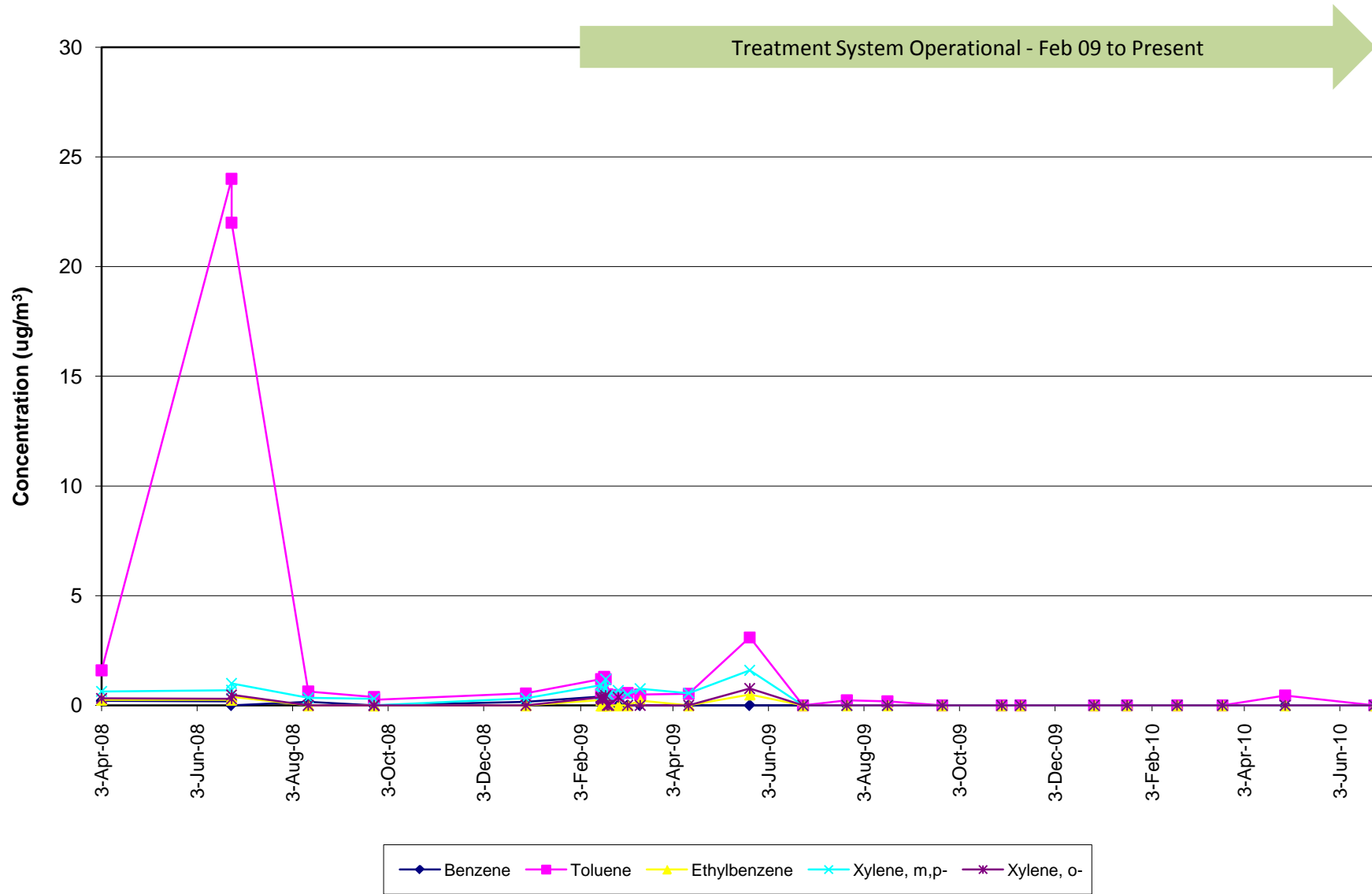
Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG24



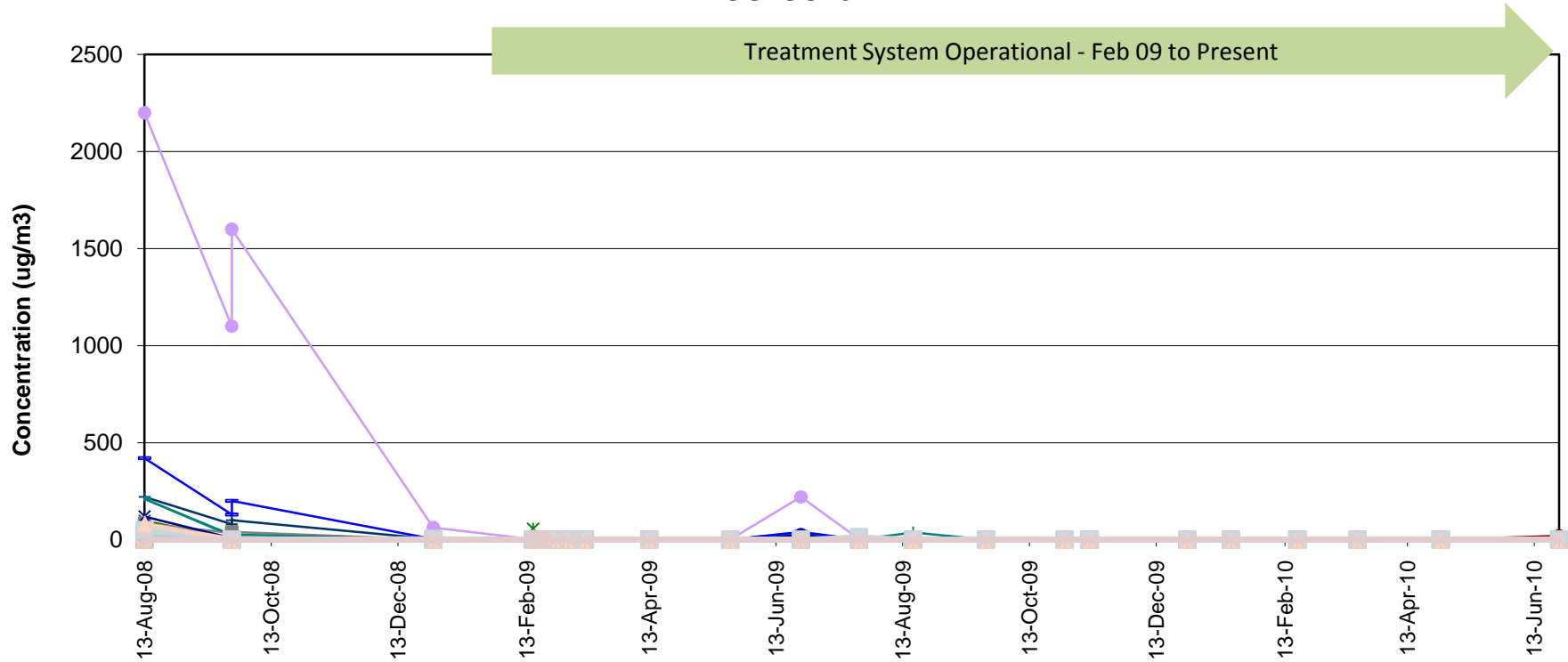
Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG24 BTEX



Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

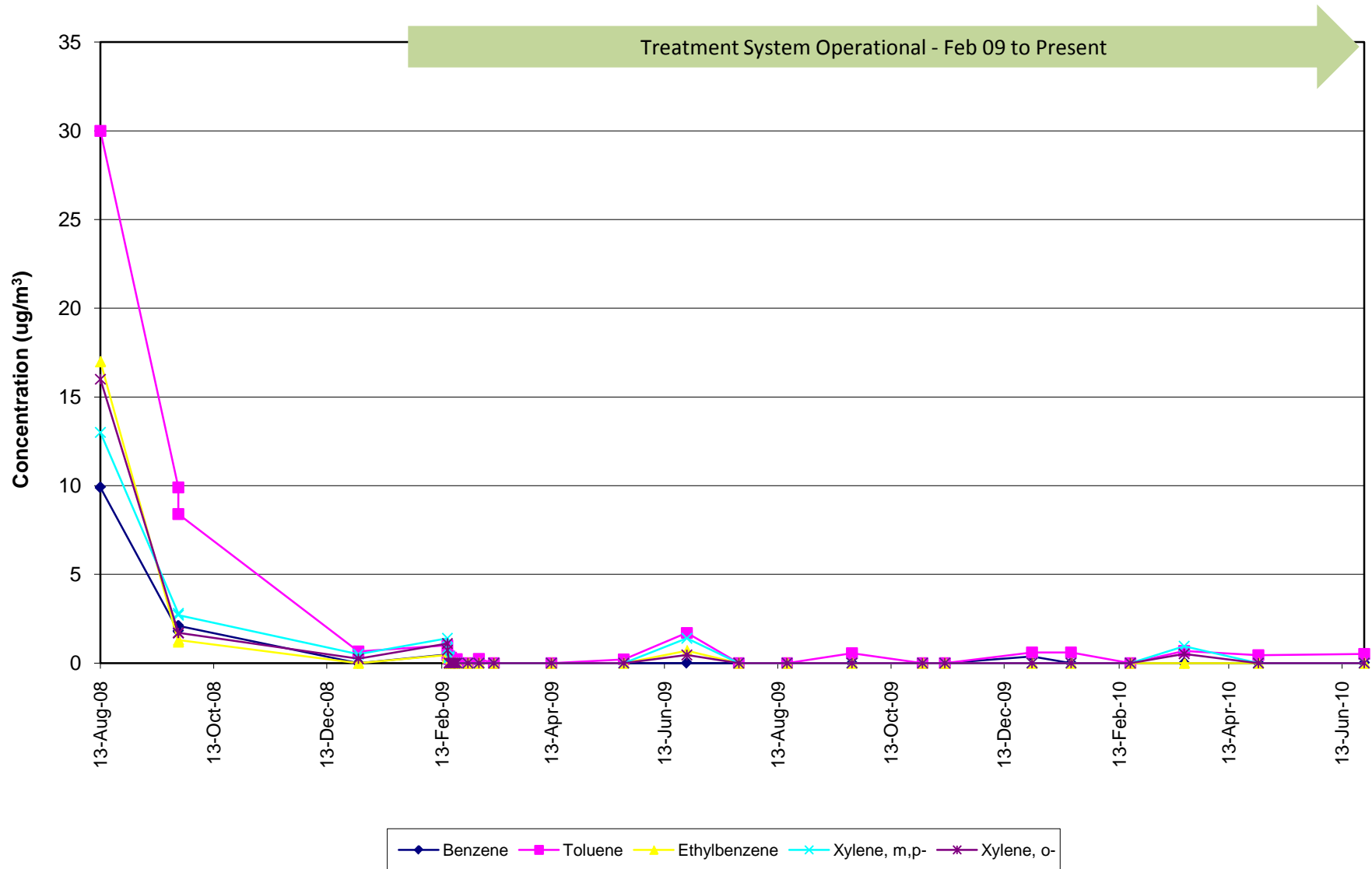
OU2SG25



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				

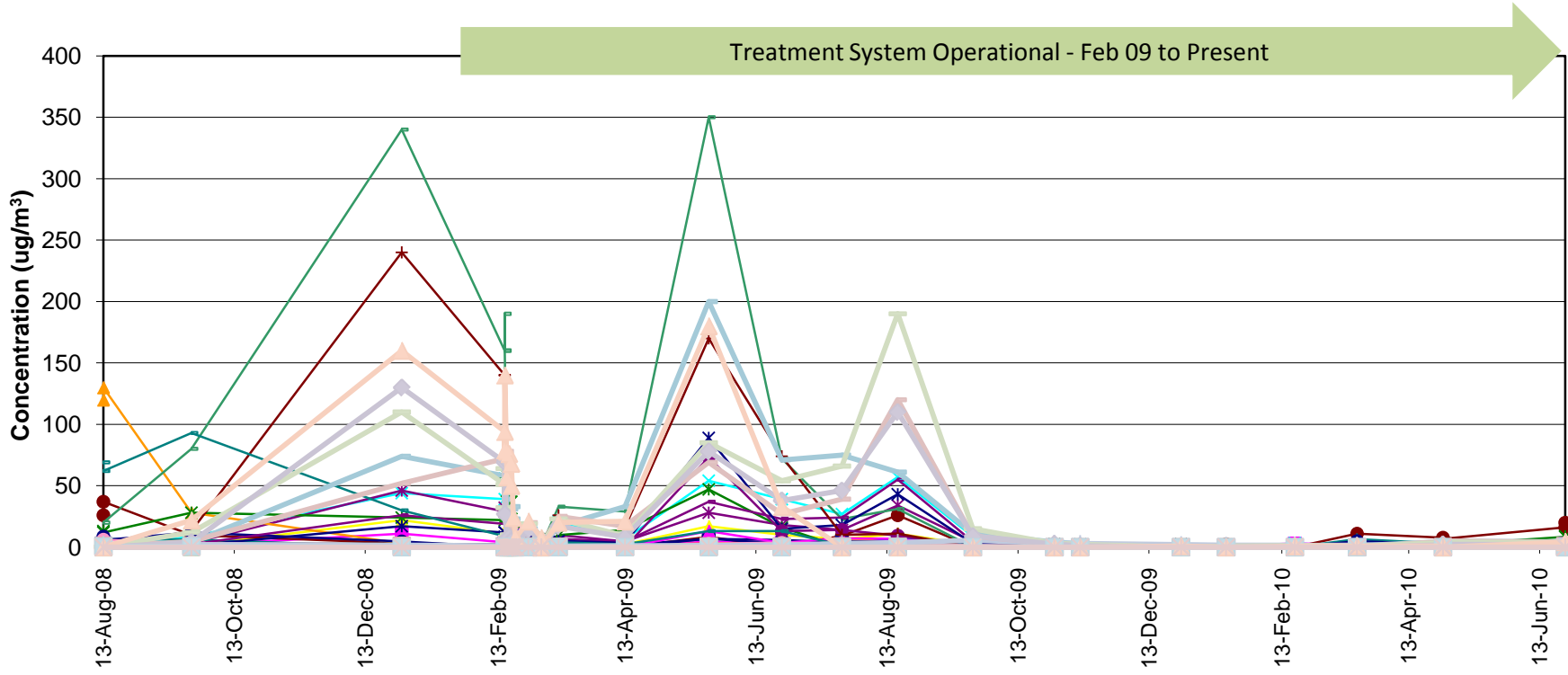
Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG25 BTEX



Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

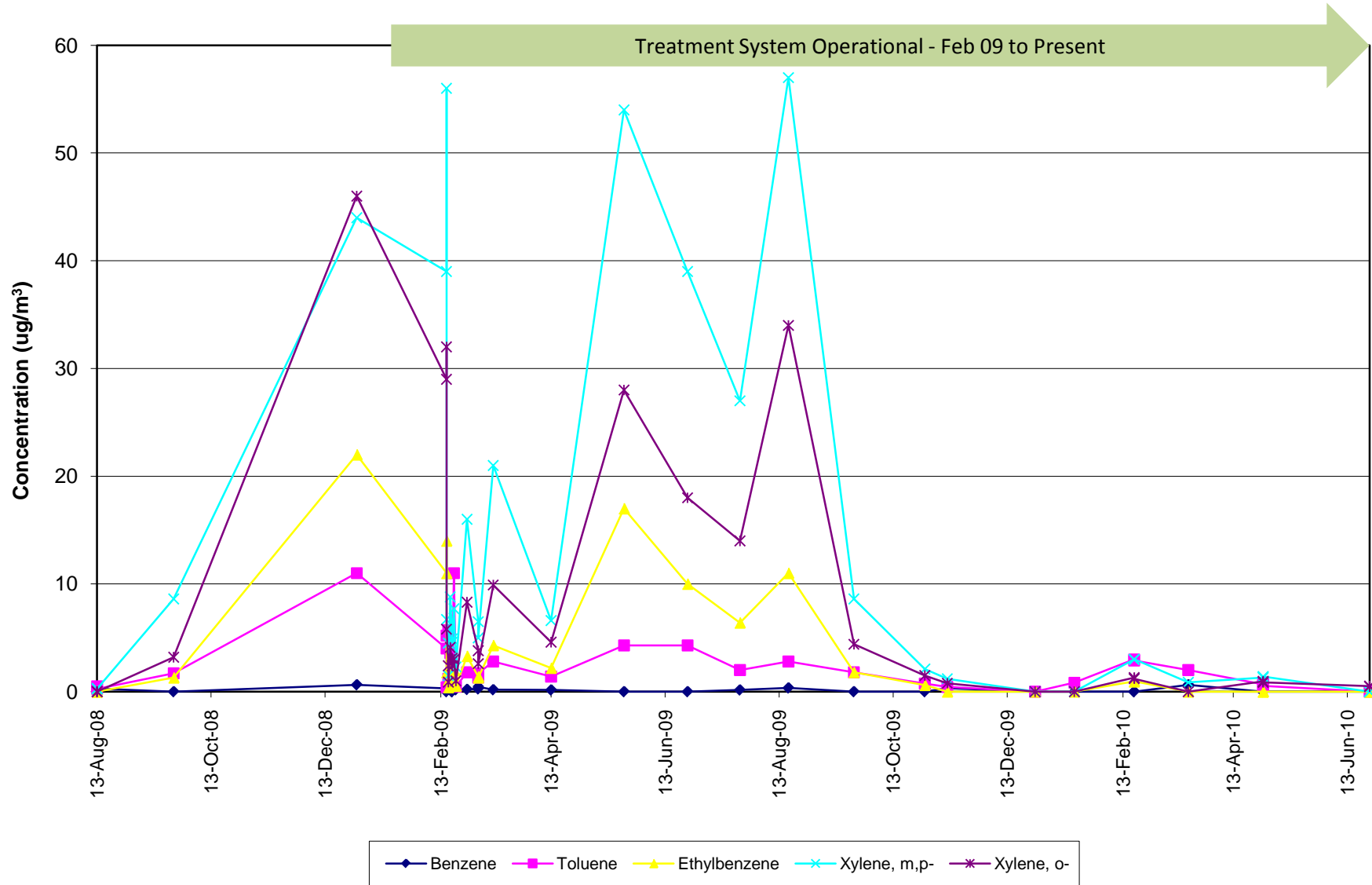
OU2SG26



Benzene	Toluene	Ethylbenzene	Xylene, m,p-	Xylene, o-	Acetaldehyde
Acetone	Acrolein (propenal)	Allyl chloride	Benzothiophene	Bromodichloromethane	Bromoform
Bromomethane	Butadiene, 1,3-	Butane	Butanone, 2-	Carbon disulfide	Carbon tetrachloride
Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Chlorotoluene, 2-	Cryofluorane
Cyclohexane	Decane, n-	Dibromochloromethane	Dibromoethane, 1,2-	Dichlorobenzene, 1,2-	Dichlorobenzene, 1,3-
Dichlorobenzene, 1,4-	Dichlorodifluoromethane	Dichloroethane, 1,1-	Dichloroethane, 1,2-	Dichloroethene, 1,1-	Dichloroethene, cis-1,2-
Dichloropropane, 1,2-	Dichloropropene, cis-1,3	Dichloropropene, trans-1,3	Dioxane, 1,4-	Dodecane, n-	Ethanol
Ethylthiophene, 2-	Ethyltoluene, p-	Heptane, n-	Hexachlorobutadiene	Hexane, n-	Hexanone, 2-
Hydrogen sulfide	Indan	Indene	Isopropyl benzene	Methyl tert-butyl ether	Methyl-2-pentanone, 4-
Methylene chloride	Methylnaphthalene, 1-	Methylnaphthalene, 2-	Methylthiophene, 2-	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				

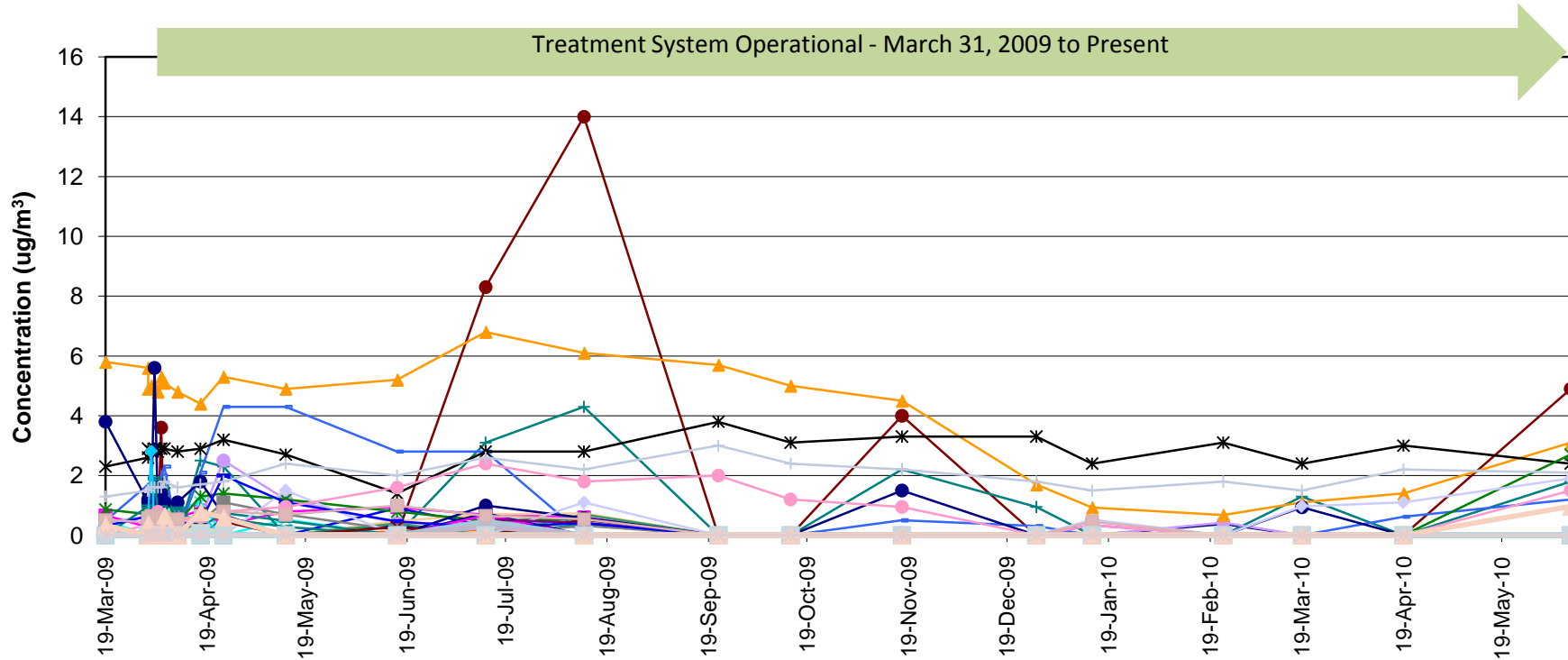
Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG26 BTEX



Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

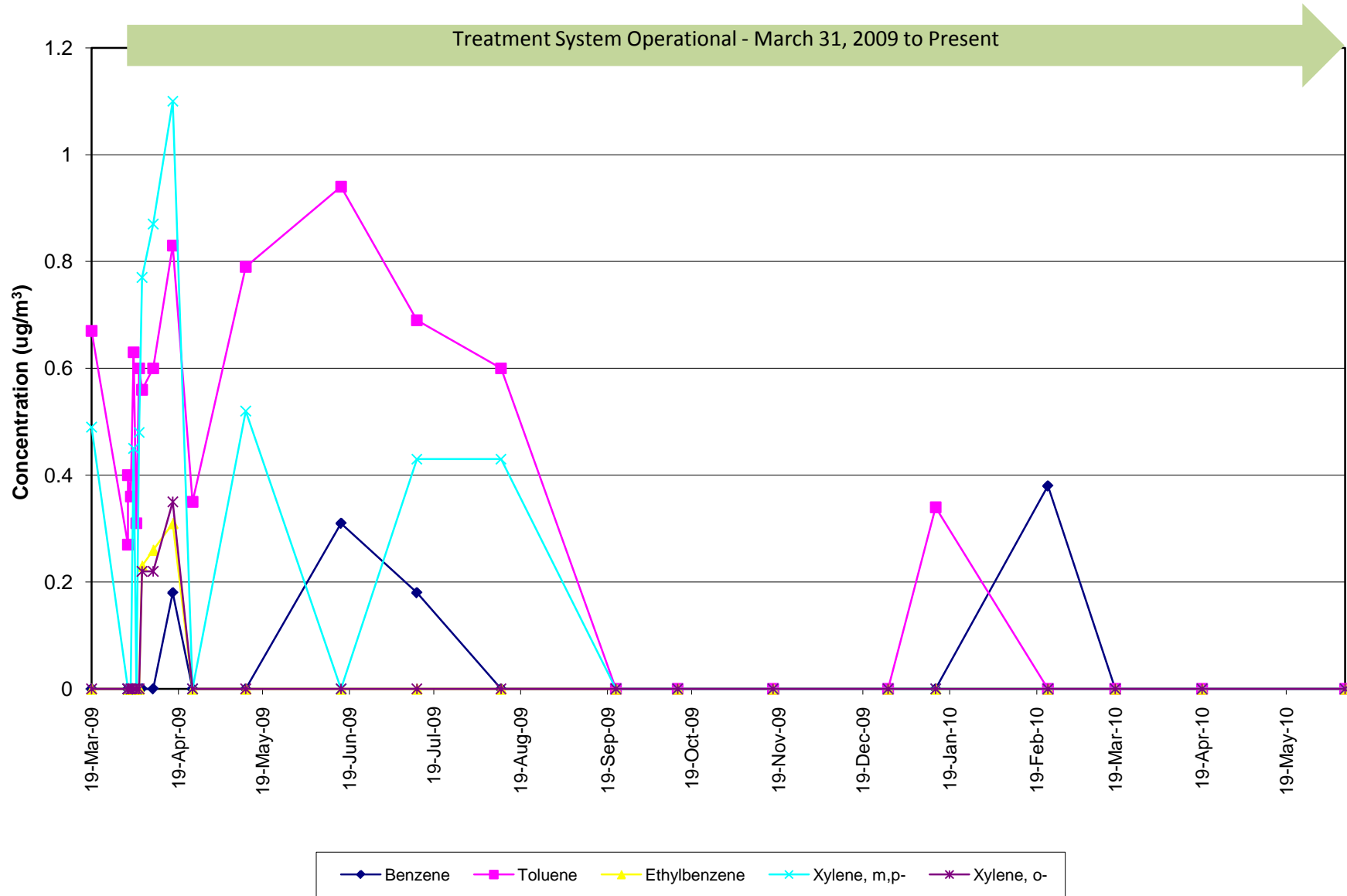
OU2SG28



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				

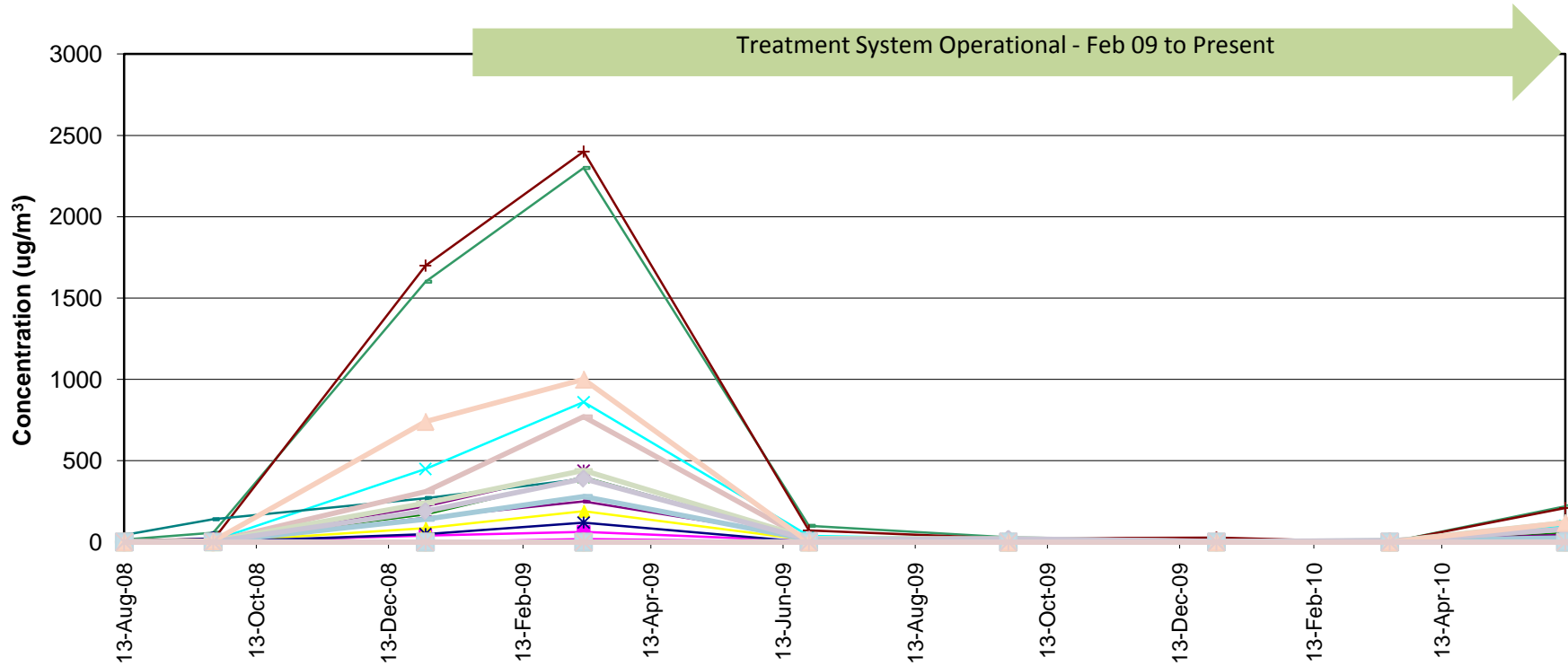
Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG28 BTEX



Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

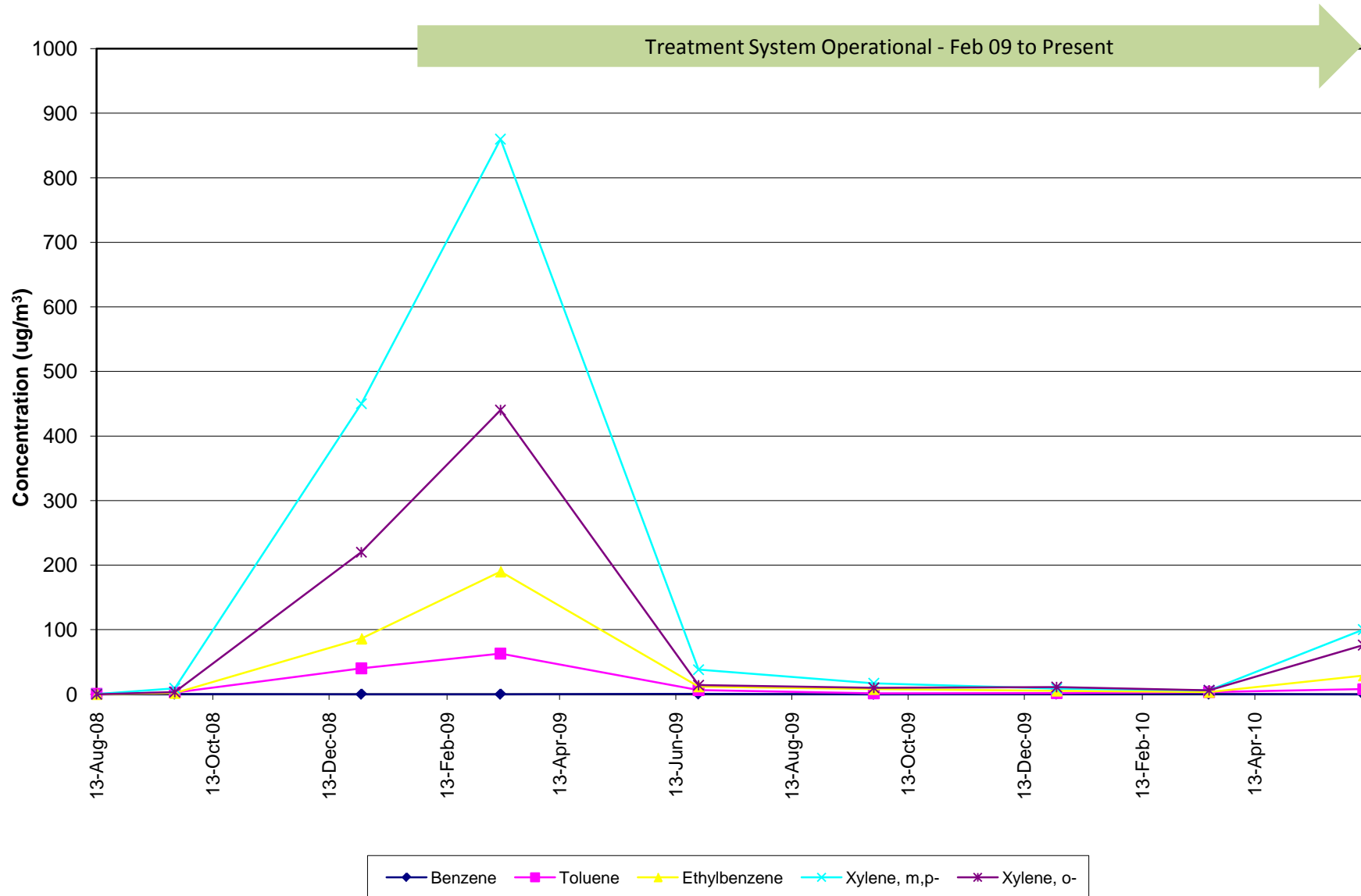
OU2SG29



Benzene	Toluene	Ethylbenzene	Xylene, m,p-	Xylene, o-	Acetaldehyde
Acetone	Acrolein (propenal)	Allyl chloride	Benzothiophene	Bromodichloromethane	Bromoform
Bromomethane	Butadiene, 1,3-	Butane	Butanone, 2-	Carbon disulfide	Carbon tetrachloride
Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Chlorotoluene, 2-	Cryofluorane
Cyclohexane	Decane, n-	Dibromochloromethane	Dibromoethane, 1,2-	Dichlorobenzene, 1,2-	Dichlorobenzene, 1,3-
Dichlorobenzene, 1,4-	Dichlorodifluoromethane	Dichloroethane, 1,1-	Dichloroethane, 1,2-	Dichloroethene, 1,1-	Dichloroethene, cis-1,2-
Dichloropropane, 1,2-	Dichloropropene, cis-1,3	Dichloropropene, trans-1,3	Dioxane, 1,4-	Dodecane, n-	Ethanol
Ethylthiophene, 2-	Ethyltoluene, p-	Heptane, n-	Hexachlorobutadiene	Hexane, n-	Hexanone, 2-
Hydrogen sulfide	Indan	Indene	Isopropyl benzene	Methyl tert-butyl ether	Methyl-2-pentanone, 4-
Methylene chloride	Methylnaphthalene, 1-	Methylnaphthalene, 2-	Methylthiophene, 2-	Methylthiophene, 3-	Naphthalene
Nonane	Octane, n-	Pentane	Propanol, 2-	Propylbenzene, n-	Styrene
t-Butyl alcohol	Tetrachloroethane, 1,1,2,2-	Tetrachloroethene	Tetrahydrofuran	Tetramethylbenzene, 1,2,4,5-	Thiophene
Trans-1,2-dichloroethene	Trichloro-1,2,2-trifluoroethane, 1,1,2-	Trichlorobenzene, 1,2,4-	Trichloroethane, 1,1,1,1-	Trichloroethane, 1,1,1,2-	Trichloroethene
Trichlorofluoromethane	Trimethylbenzene, 1,2,3-	Trimethylbenzene, 1,2,4-	Trimethylbenzene, 1,3,5-	Trimethylpentane, 2,2,4-	Undecane, n-
Vinyl bromide	Vinyl chloride				

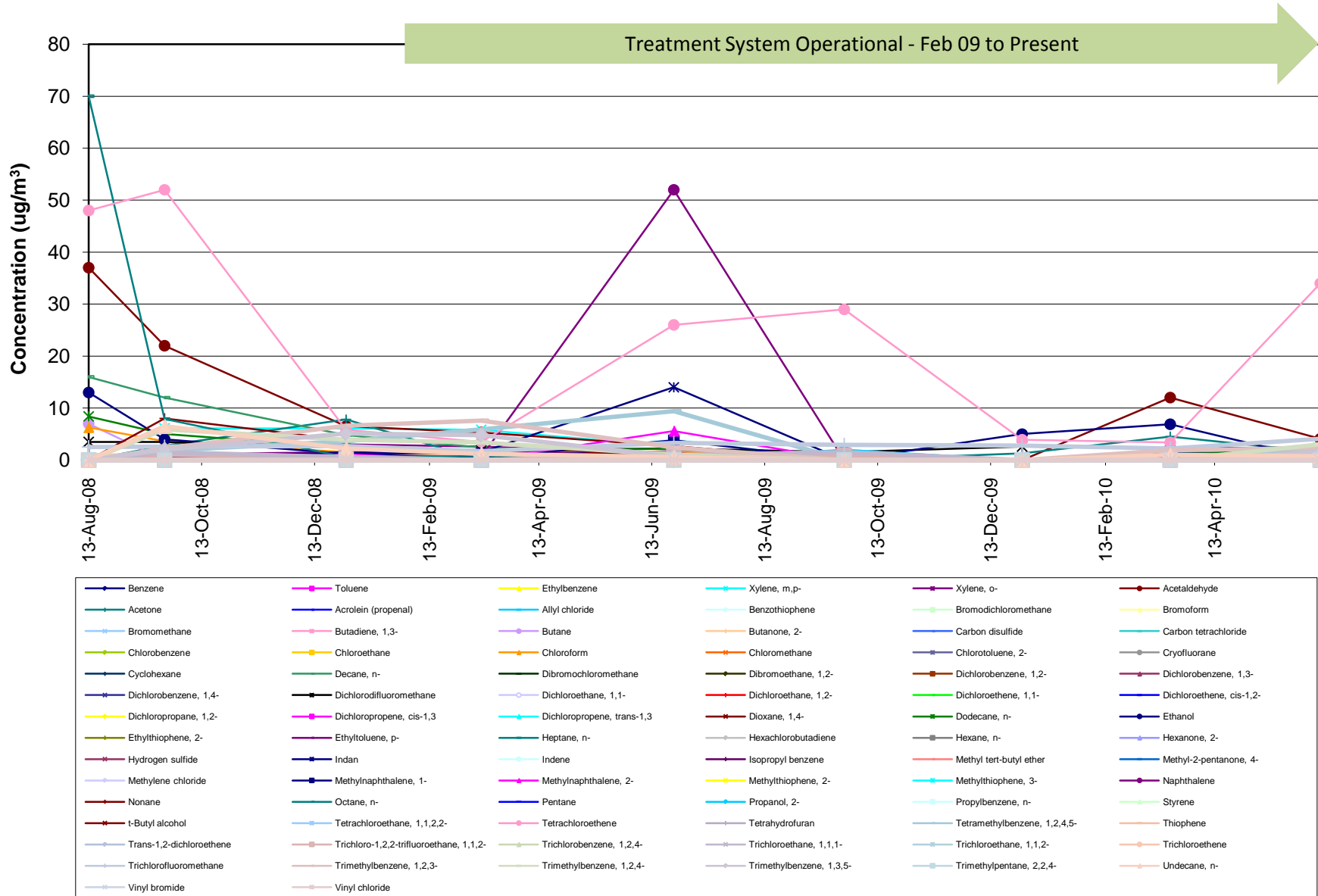
Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG29 BTEX



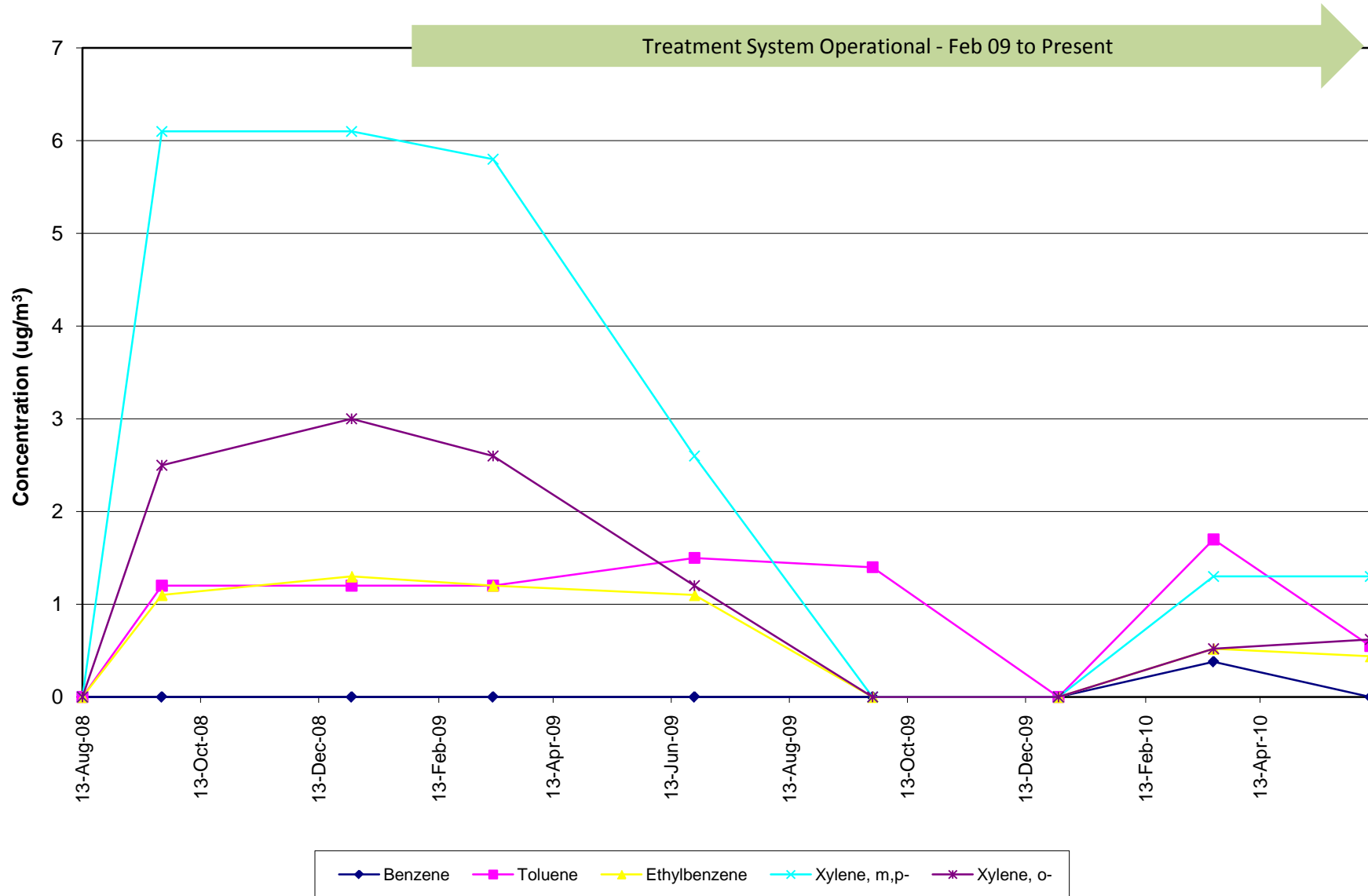
Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG30



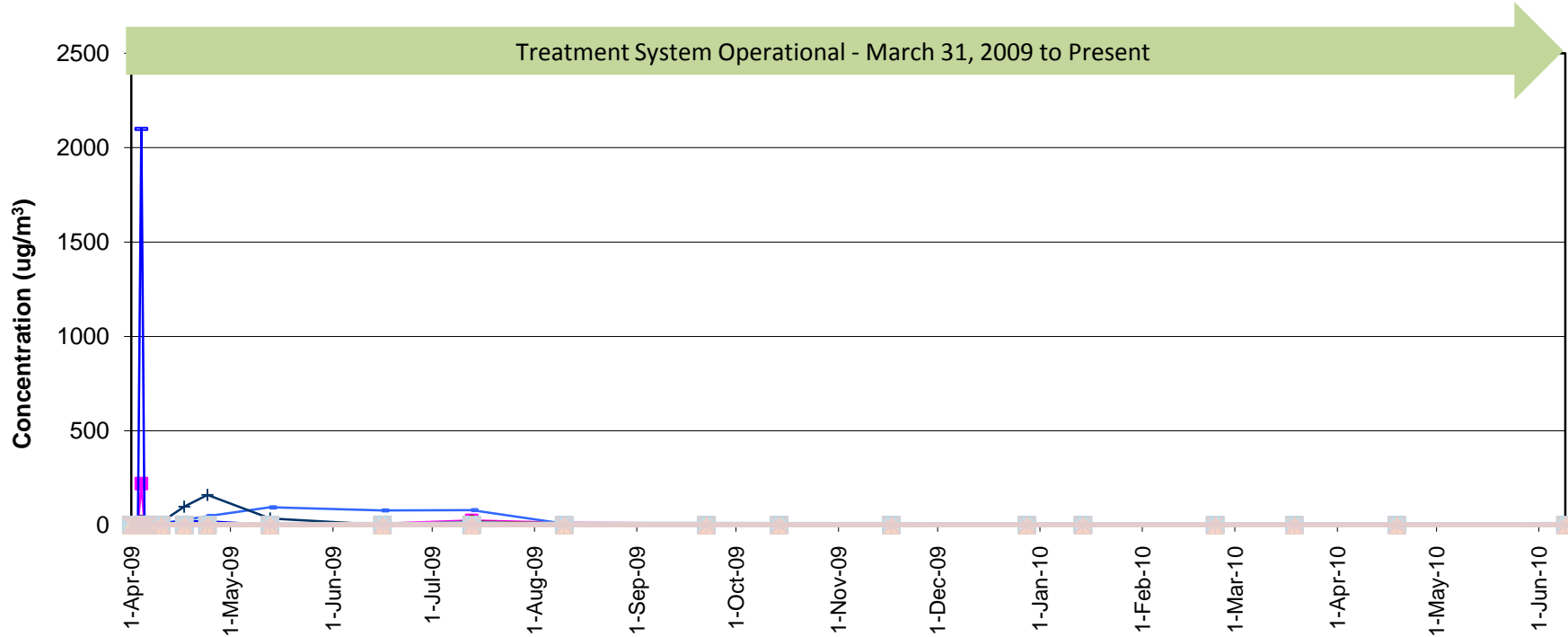
Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG30 BTEX



Appendix E
 Soil Vapor Analytical Results
 Bay Shore/Brightwaters Former MGP Site

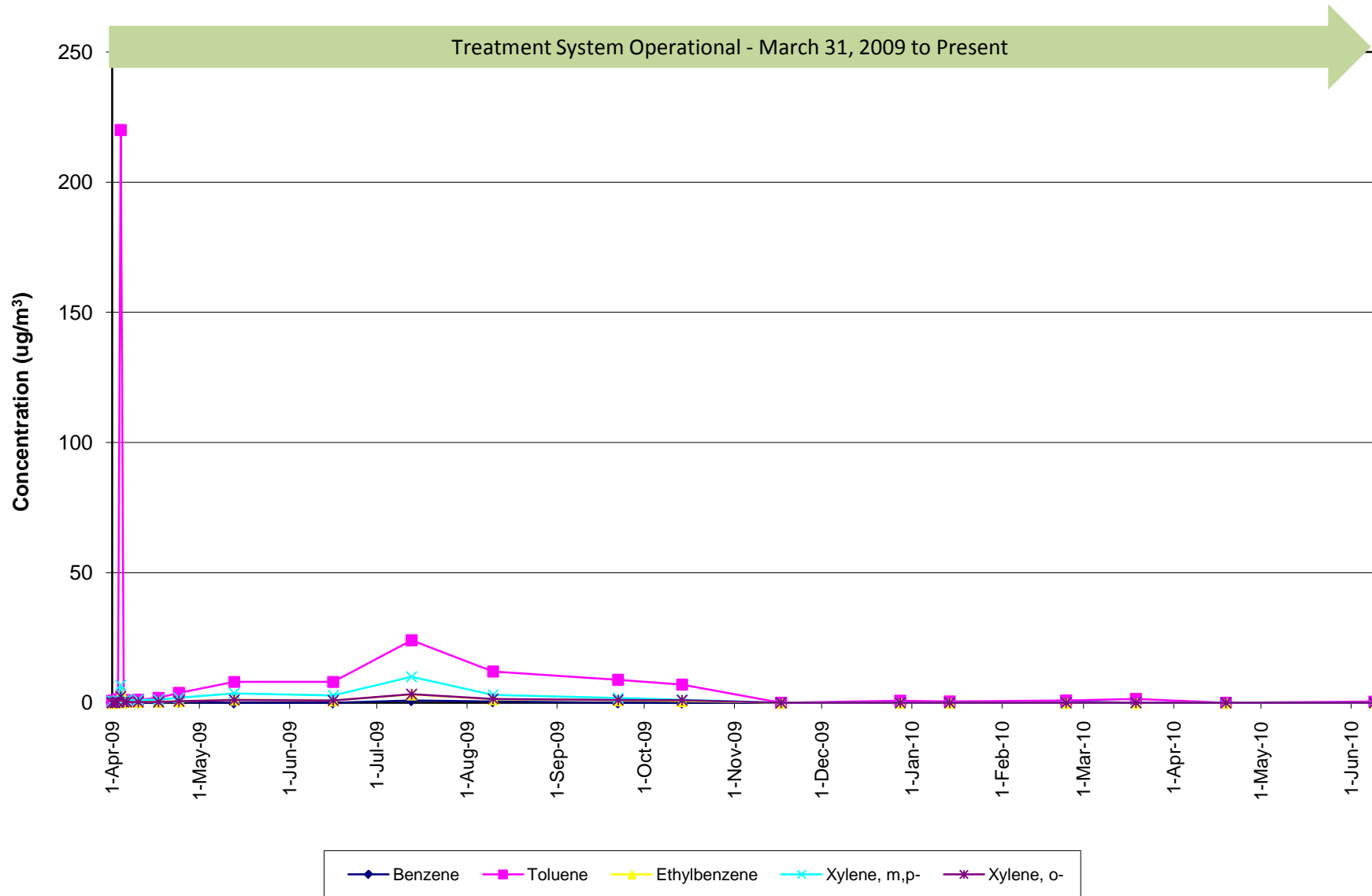
OU2SG31



Benzene	Toluene	Ethylbenzene	Xylene, m,p-	Xylene, o-	Acetaldehyde
Acetone	Acrolein (propenal)	Allyl chloride	Benzothiophene	Bromodichloromethane	Bromoform
Bromomethane	Butadiene, 1,3-	Butane	Butanone, 2-	Carbon disulfide	Carbon tetrachloride
Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Chlorotoluene, 2-	Cryofluorane
Cyclohexane	Decane, n-	Dibromochloromethane	Dibromoethane, 1,2-	Dichlorobenzene, 1,2-	Dichlorobenzene, 1,3-
Dichlorobenzene, 1,4-	Dichlorodifluoromethane	Dichloroethane, 1,1-	Dichloroethane, 1,2-	Dichloroethene, 1,1-	Dichloroethene, cis-1,2-
Dichloropropane, 1,2-	Dichloropropene, cis-1,3	Dichloropropene, trans-1,3	Dioxane, 1,4-	Dodecane, n-	Ethanol
Ethylthiophene, 2-	Ethyltoluene, p-	Heptane, n-	Hexachlorobutadiene	Hexane, n-	Hexanone, 2-
Hydrogen sulfide	Indan	Indene	Isopropyl benzene	Methyl tert-butyl ether	Methyl-2-pentanone, 4-
Methylene chloride	Methylnaphthalene, 1-	Methylnaphthalene, 2-	Methylthiophene, 2-	Methylthiophene, 3-	Naphthalene
Nonane	Octane, n-	Pentane	Propanol, 2-	Propylbenzene, n-	Styrene
t-Butyl alcohol	Tetrachloroethane, 1,1,2,2-	Tetrachloroethene	Tetrahydrofuran	Tetramethylbenzene, 1,2,4,5-	Thiophene
Trans-1,2-dichloroethene	Trichloro-1,2,2-trifluoroethane, 1,1,2-	Trichlorobenzene, 1,2,4-	Trichloroethane, 1,1,1-	Trichloroethane, 1,1,2-	Trichloroethene
Trichlorofluoromethane	Trimethylbenzene, 1,2,3-	Trimethylbenzene, 1,2,4-	Trimethylbenzene, 1,3,5-	Trimethylpentane, 2,2,4-	Undecane, n-
Vinyl bromide	Vinyl chloride				

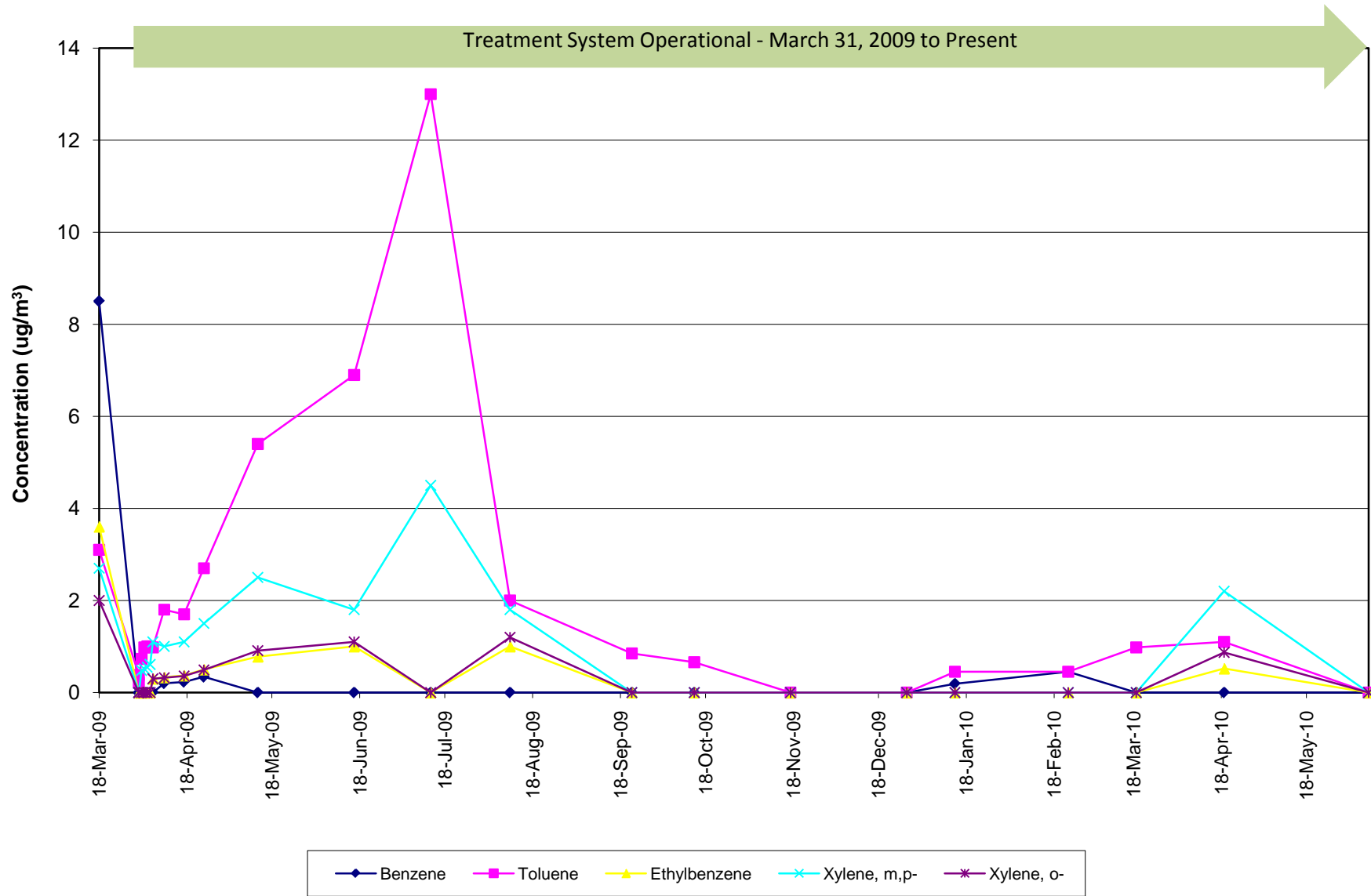
Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG31 BTEX



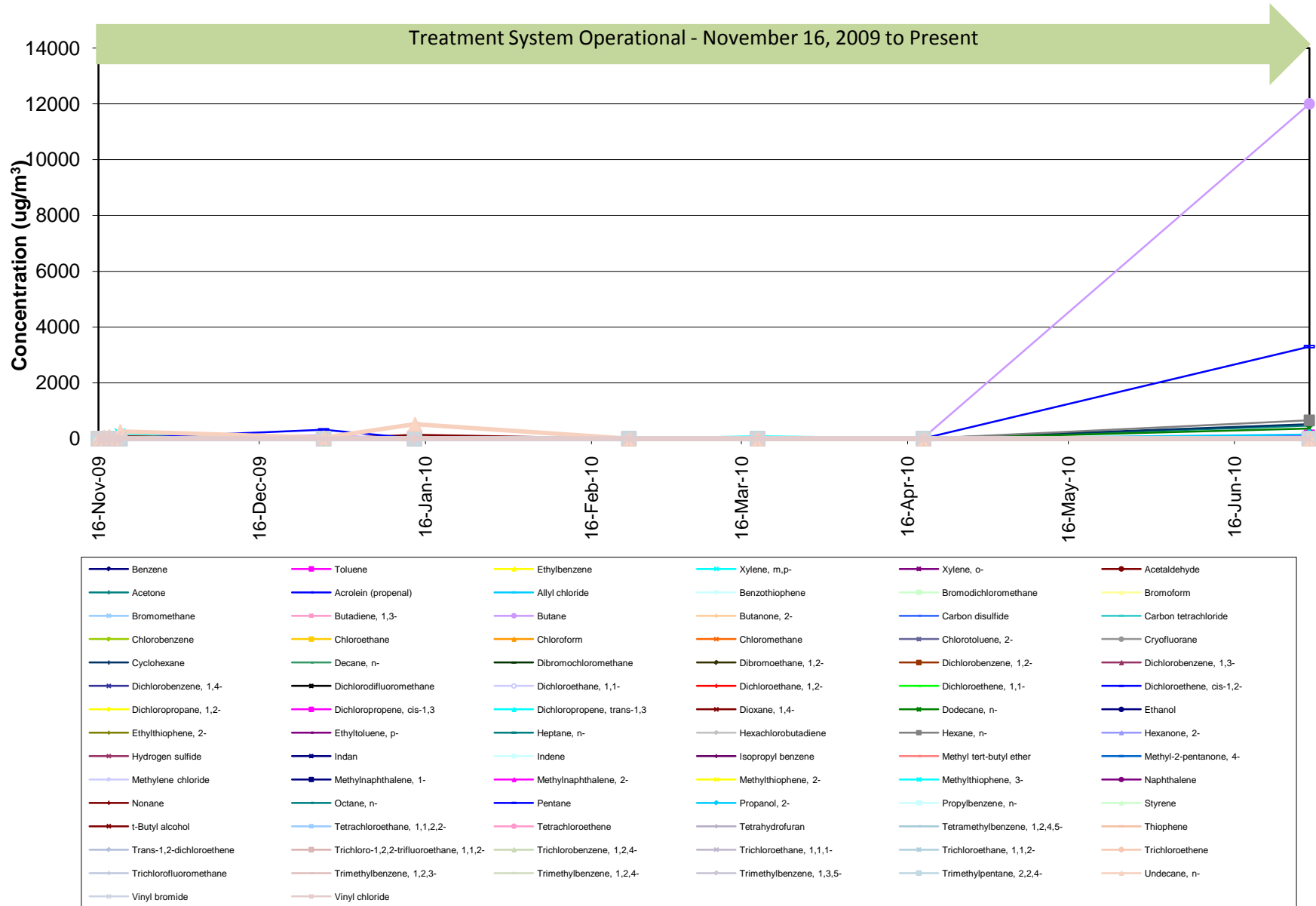
Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG32 BTEX



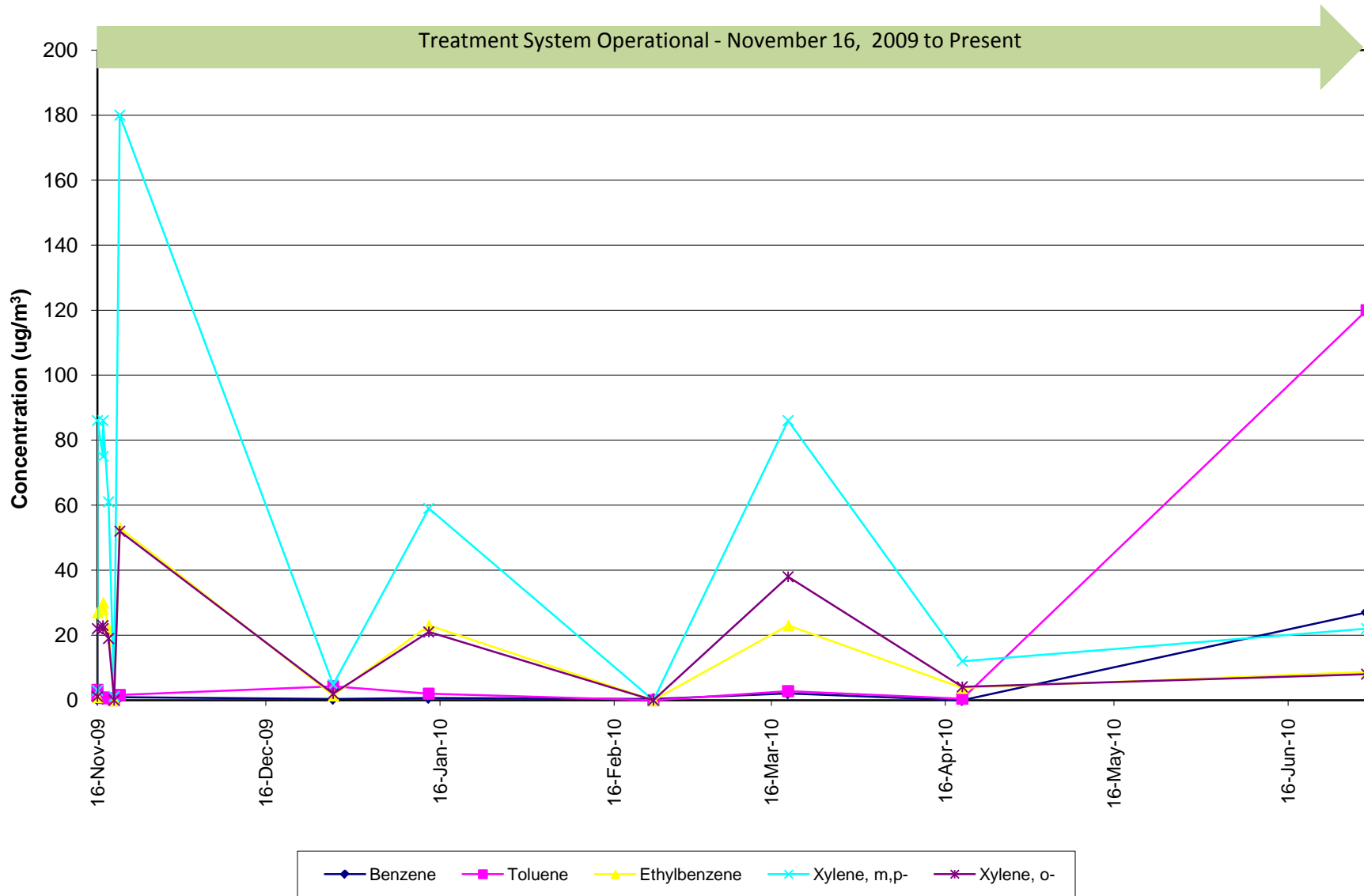
Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG33



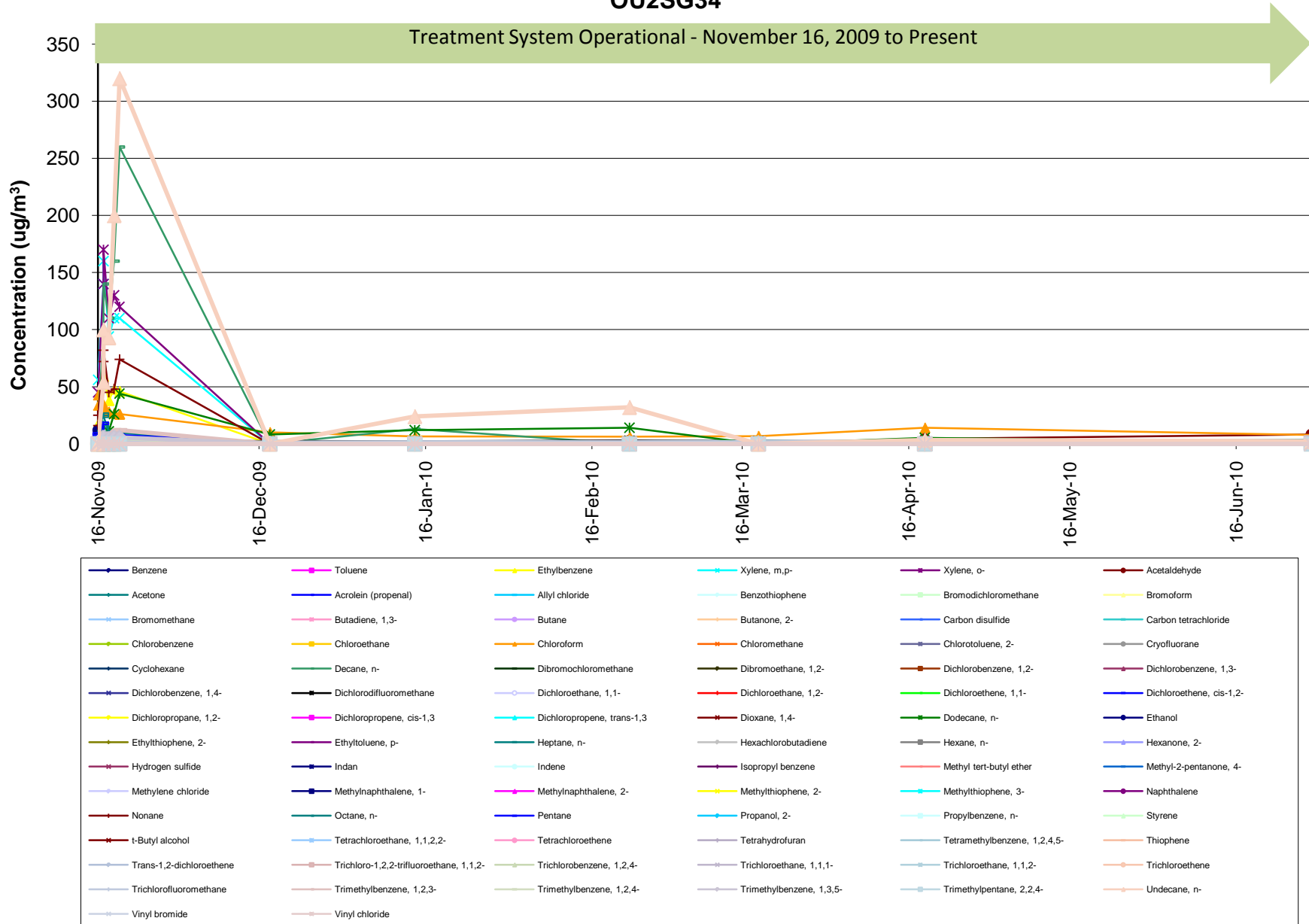
Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG33 BTEX



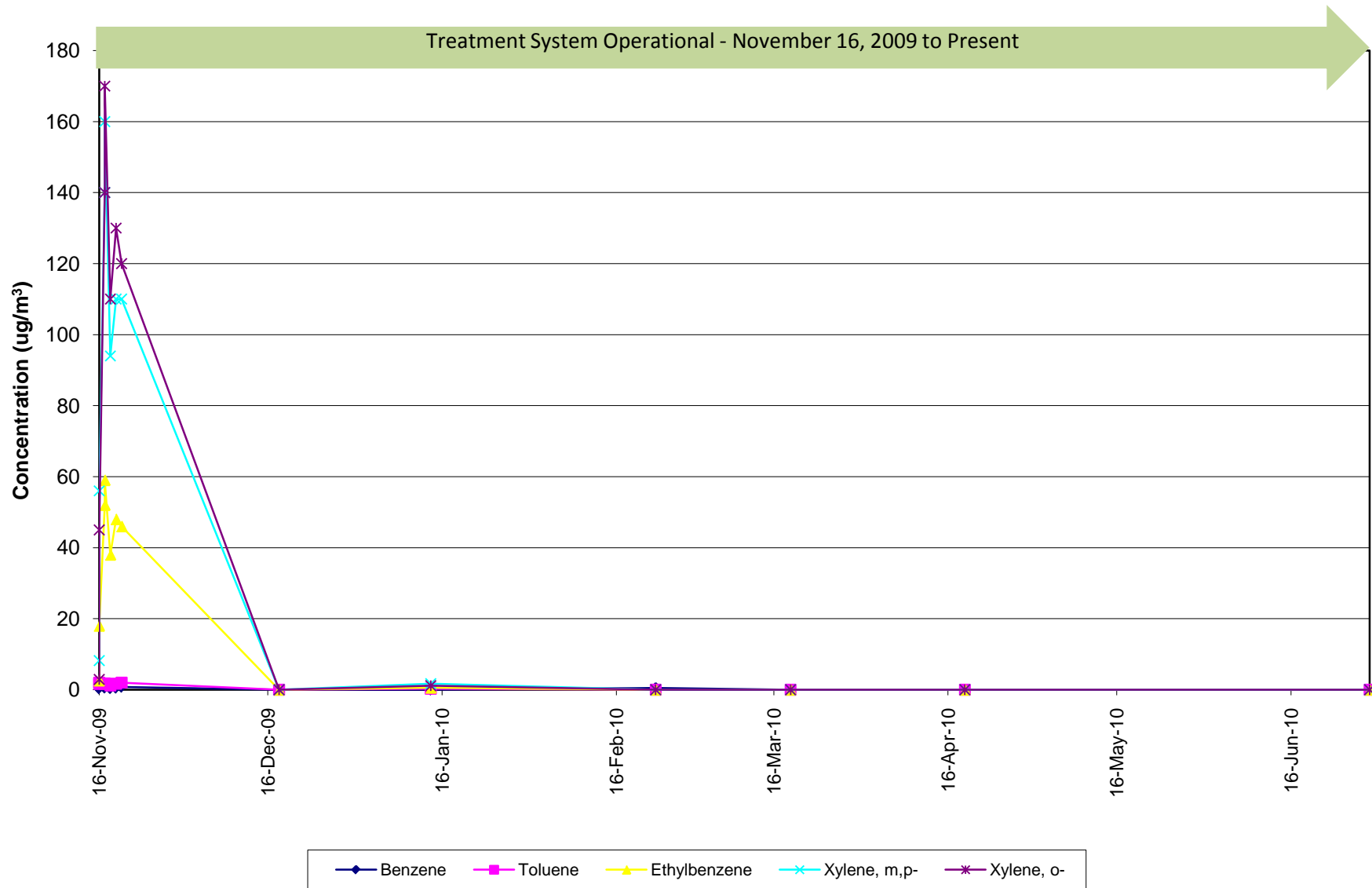
Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG34



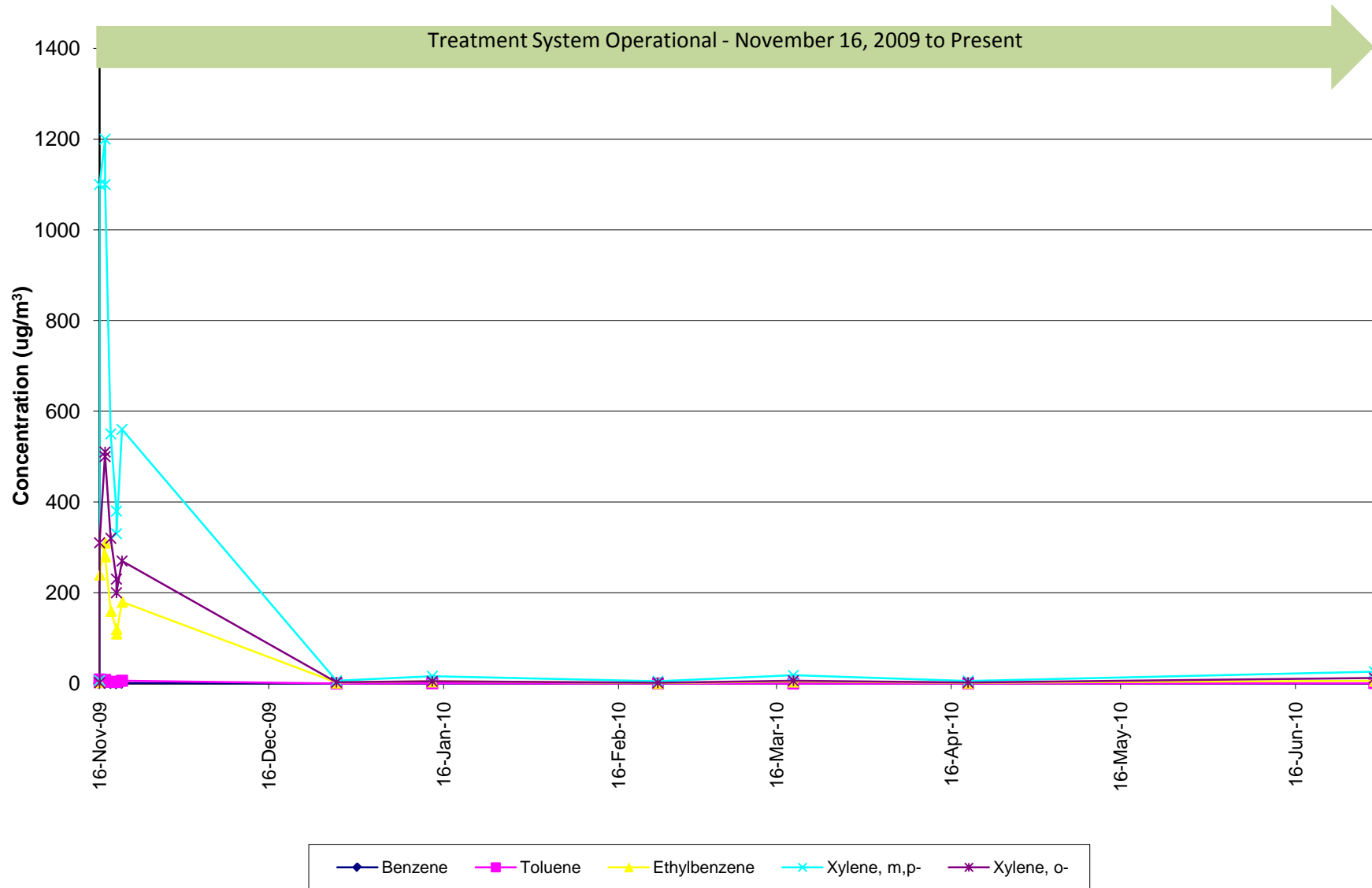
Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG34 BTEX



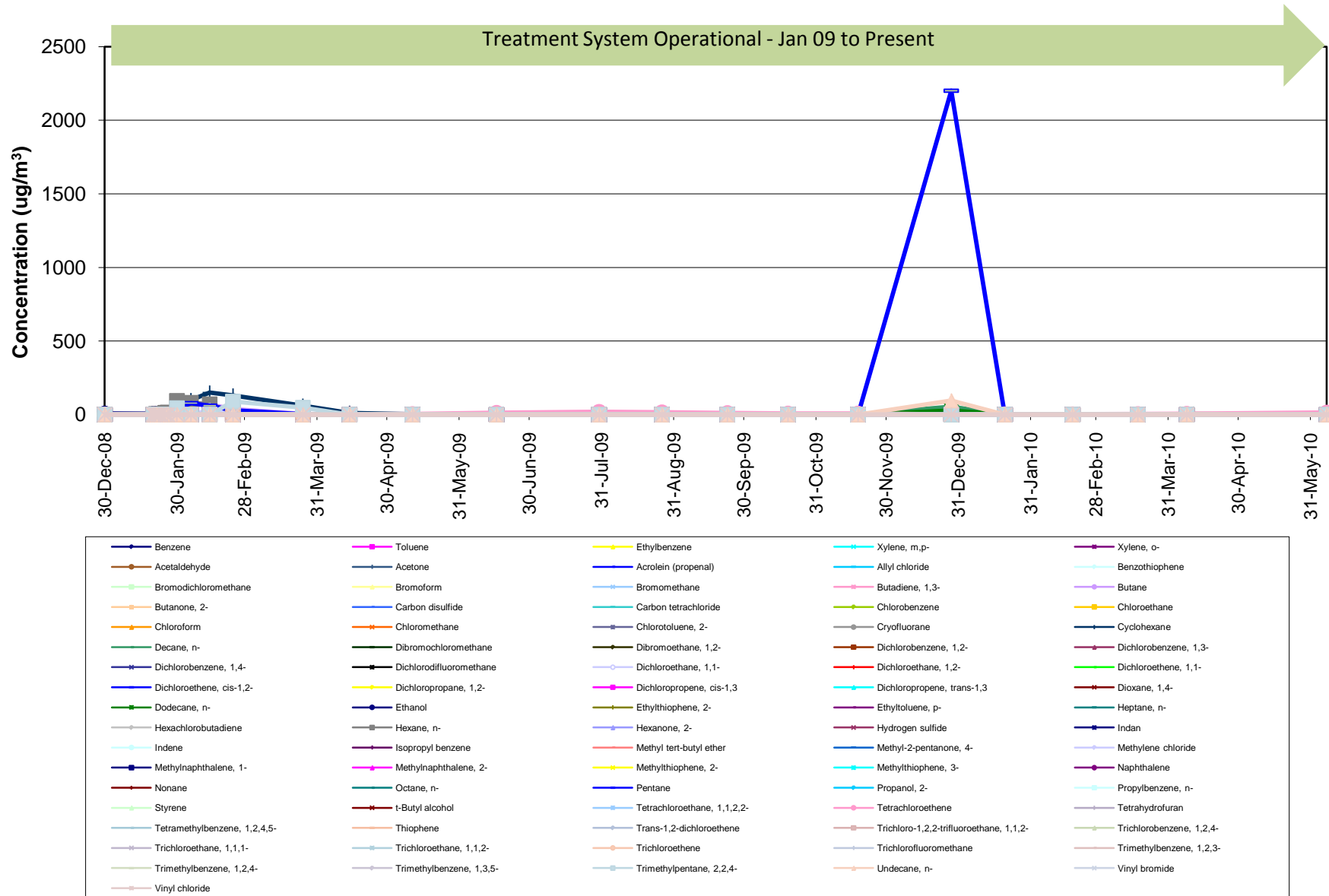
Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG35 BTEX



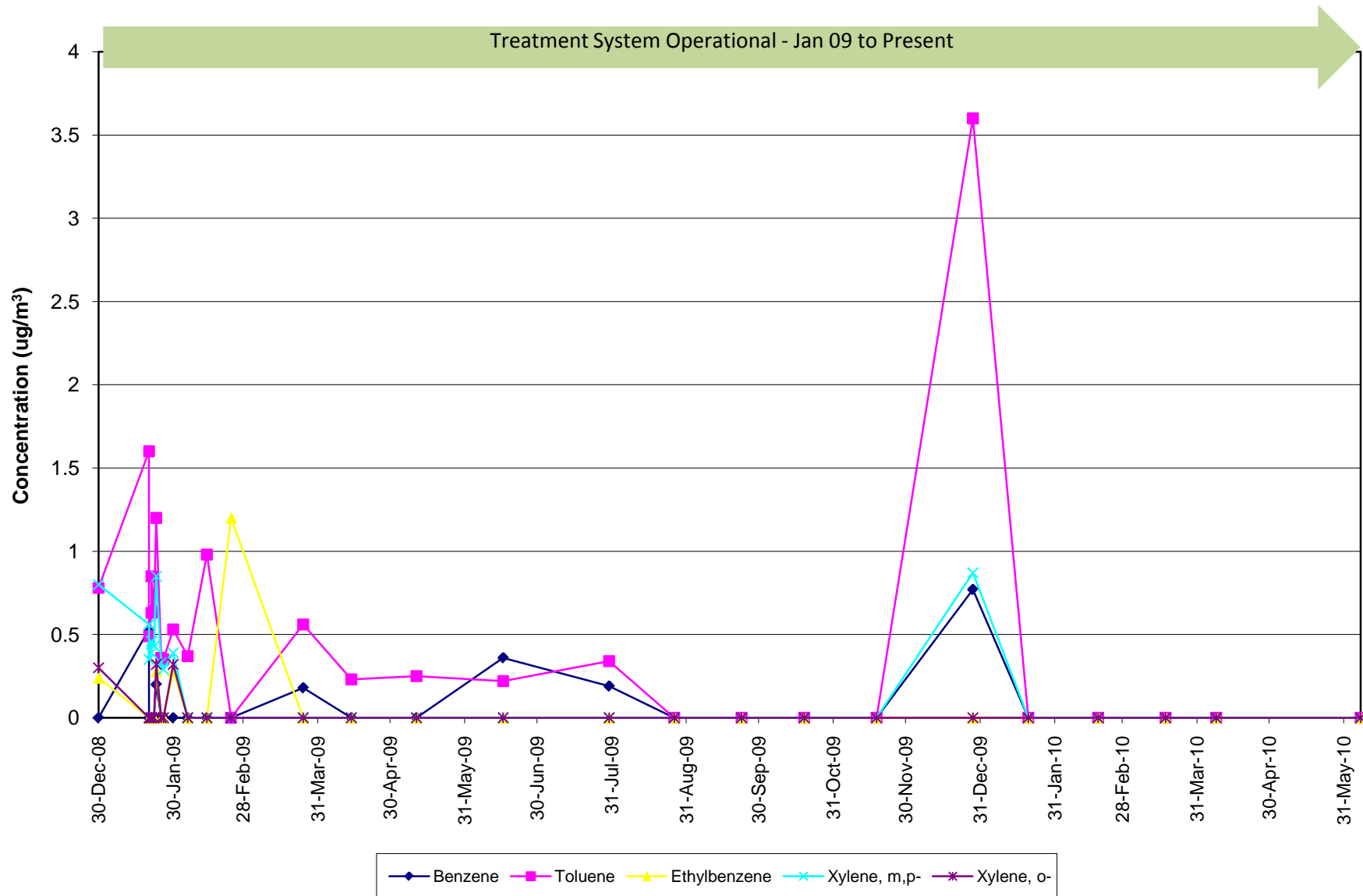
Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG38



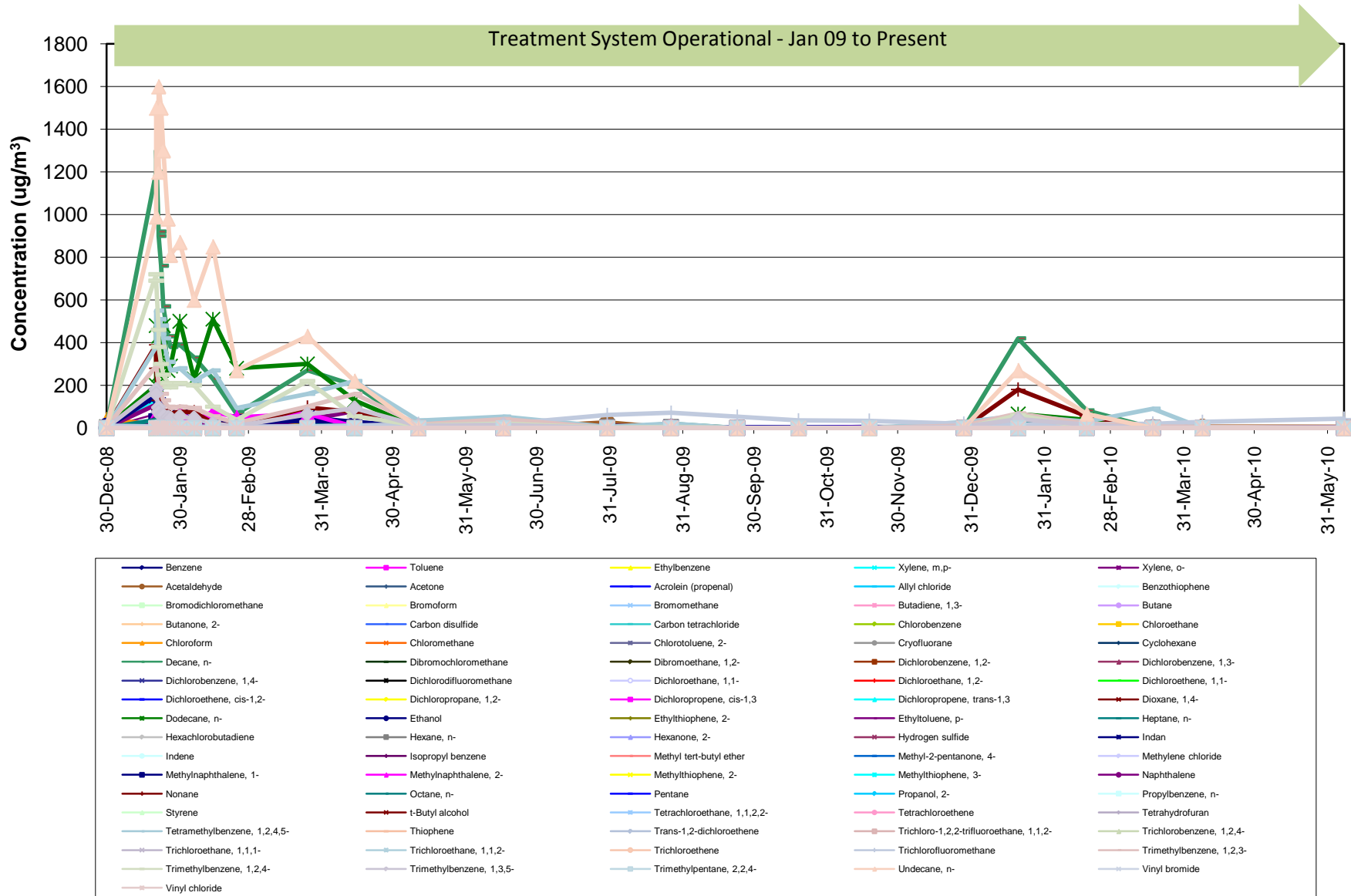
Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG38 BTEX



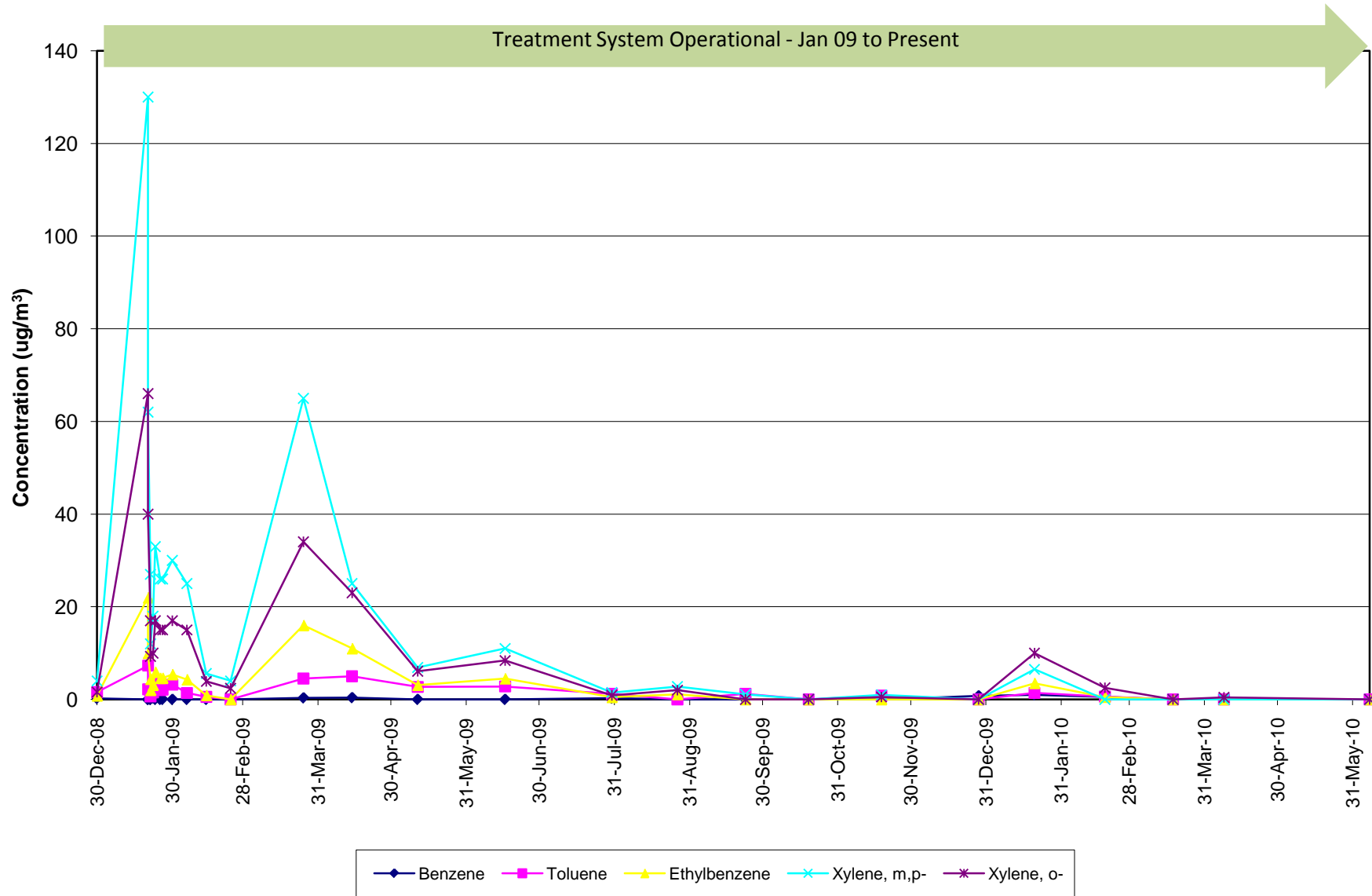
Appendix E
 Soil Vapor Analytical Results
 Bay Shore/Brightwaters Former MGP Site

OU2SG39



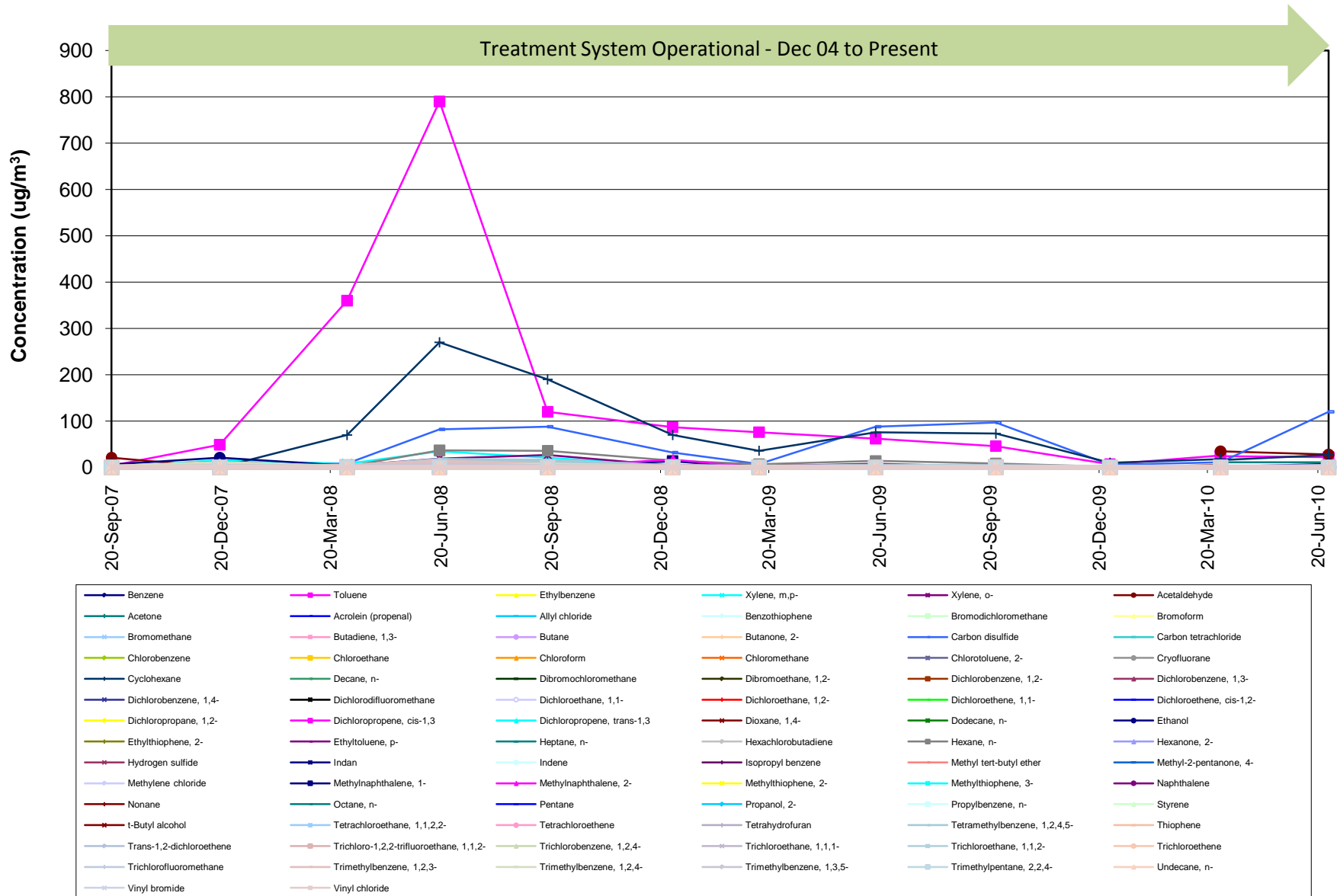
Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU2SG39 BTEX



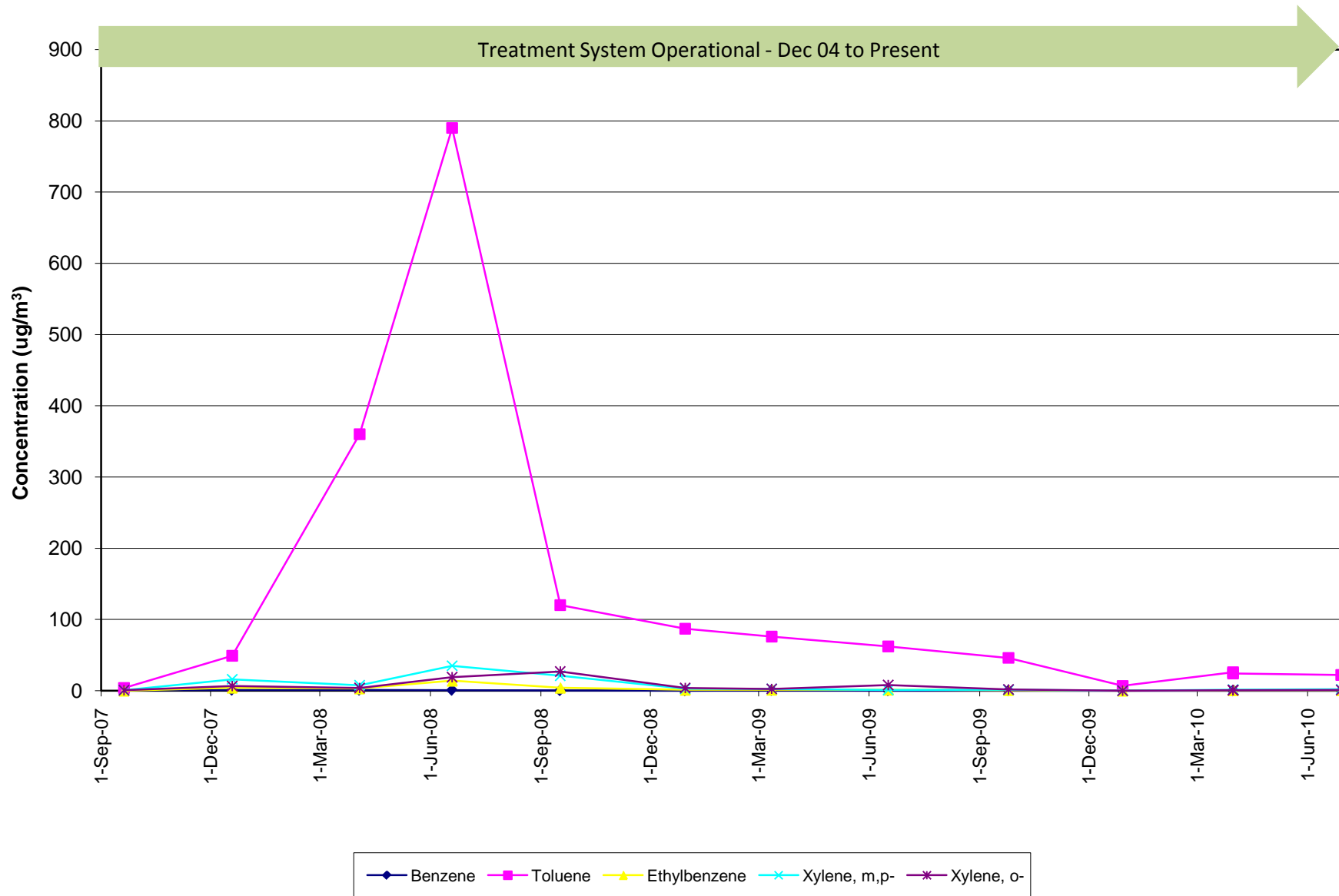
Appendix E
 Soil Vapor Analytical Results
 Bay Shore/Brightwaters Former MGP Site

OU3SG01



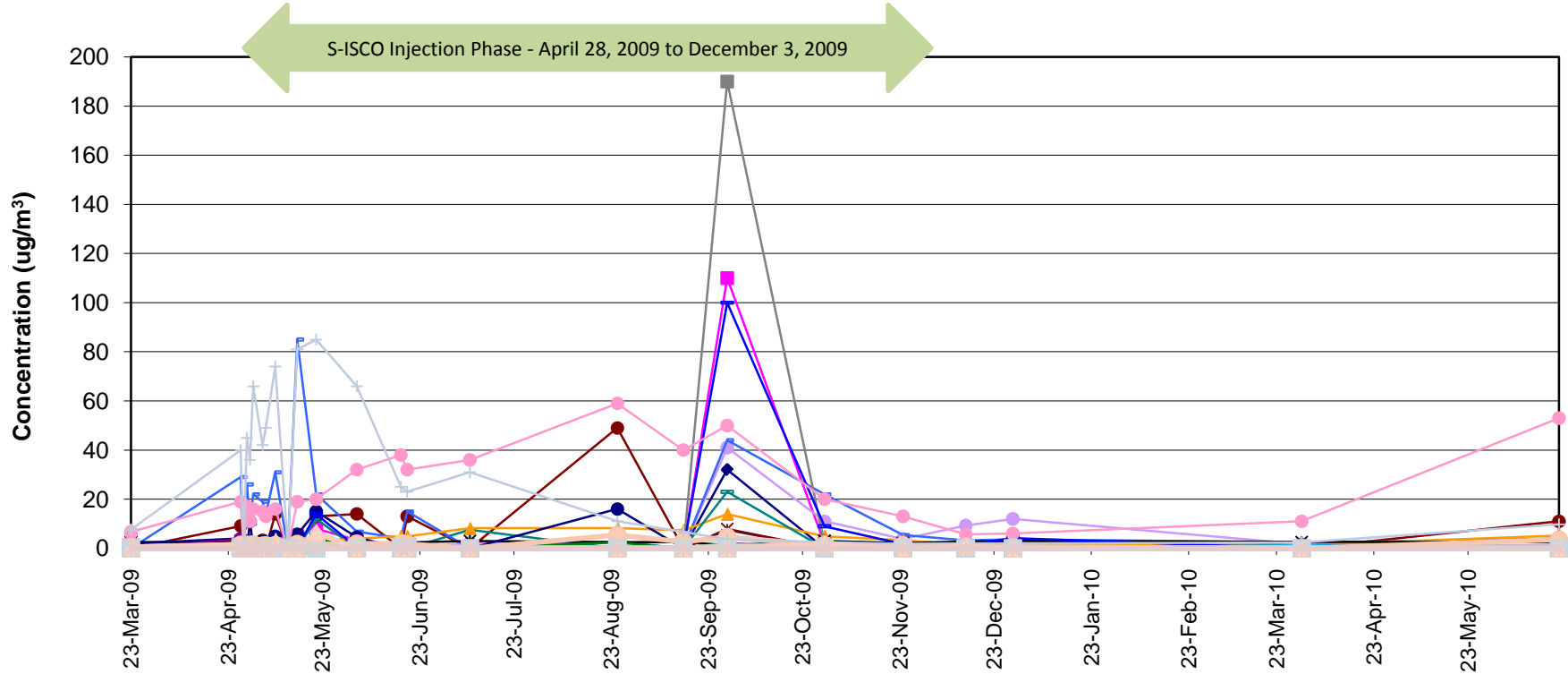
Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU3SG01 BTEX



Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

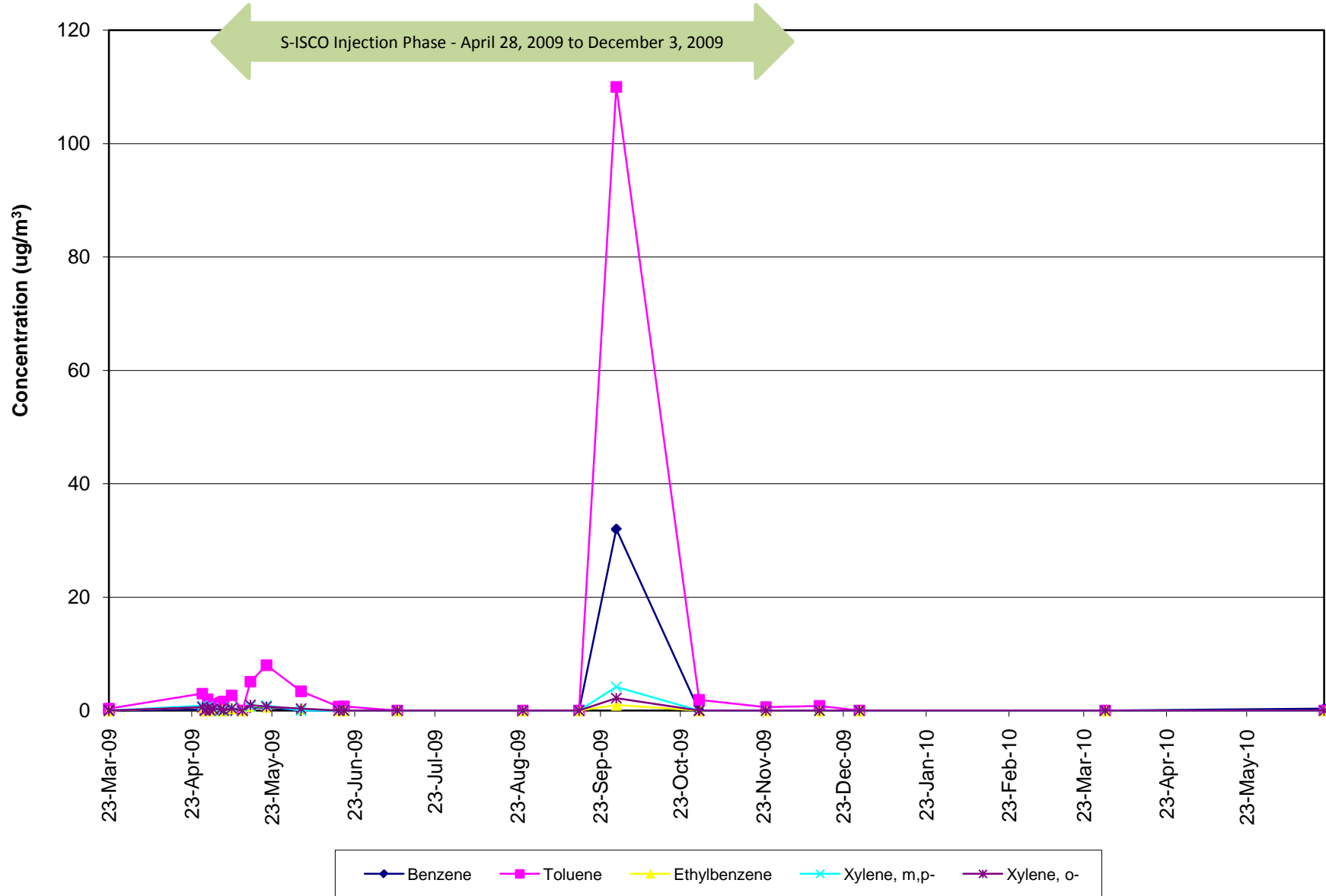
OU4SV1



Benzene	Toluene	Ethylbenzene	Xylene, m,p-	Xylene, o-	Acetaldehyde
Acetone	Acrolein (propenal)	Allyl chloride	Benzothiophene	Bromodichloromethane	Bromoform
Bromomethane	Butadiene, 1,3-	Butane	Carbon disulfide	Carbon tetrachloride	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				

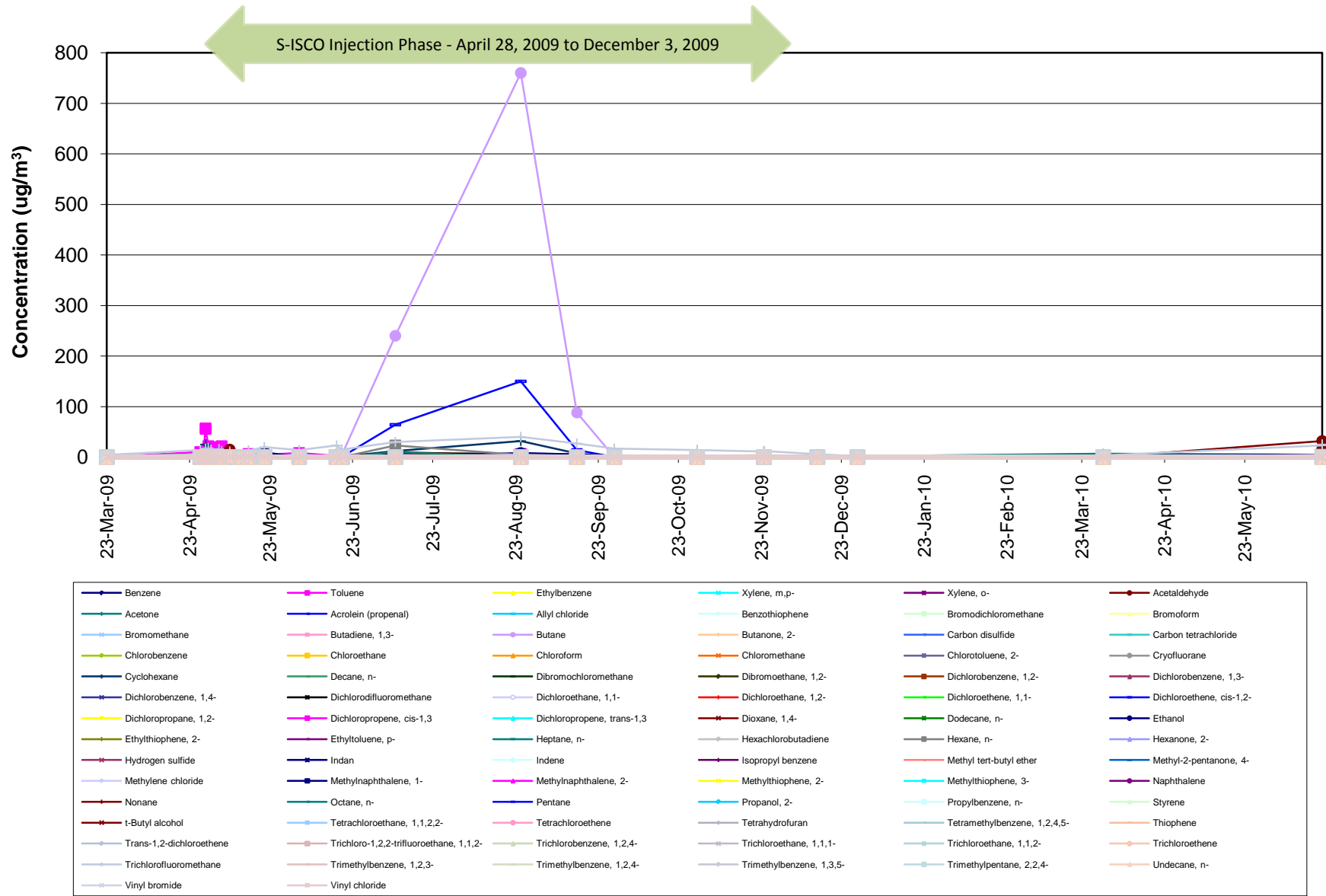
Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU4SV1 BTEX



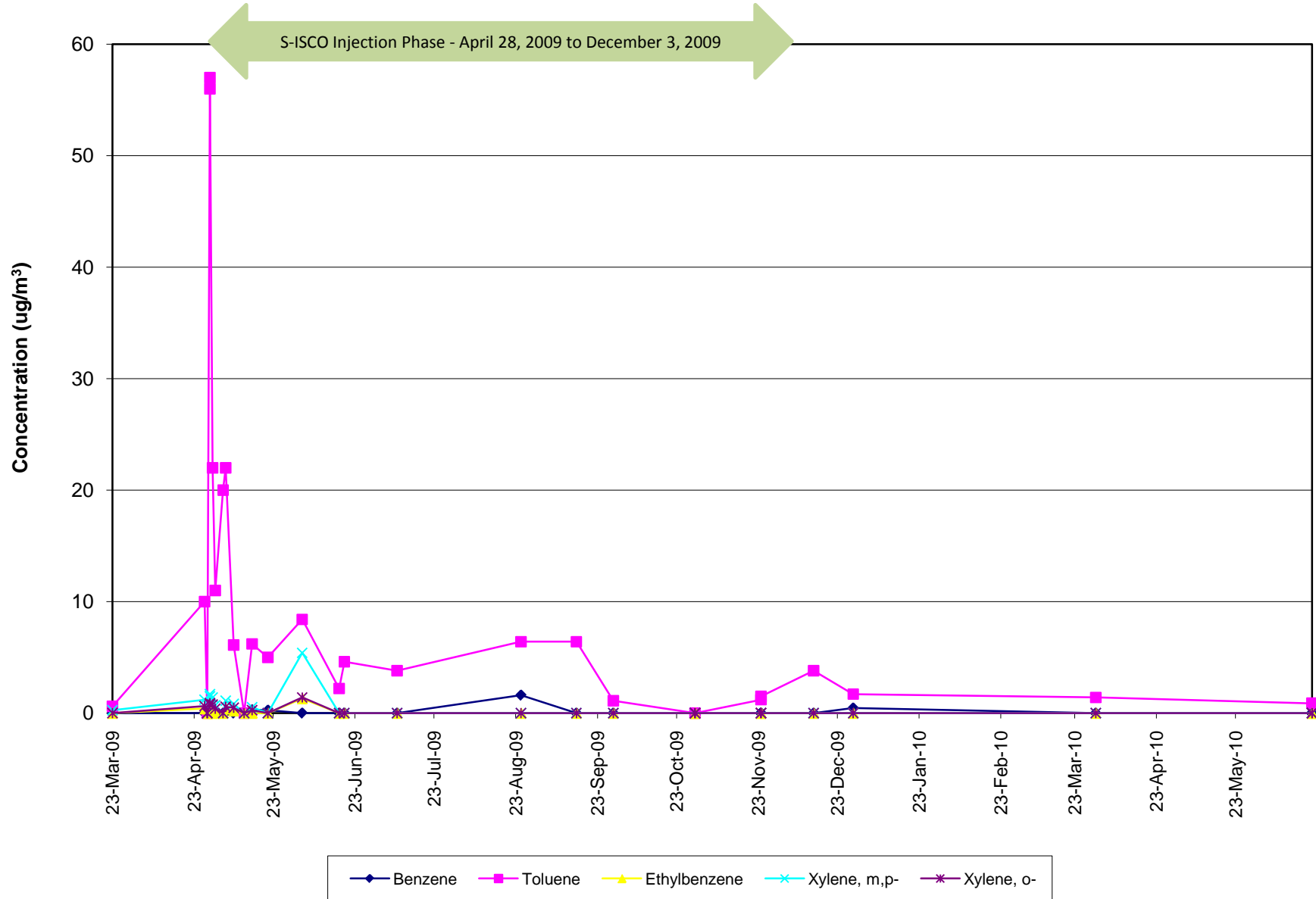
Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU4SV2



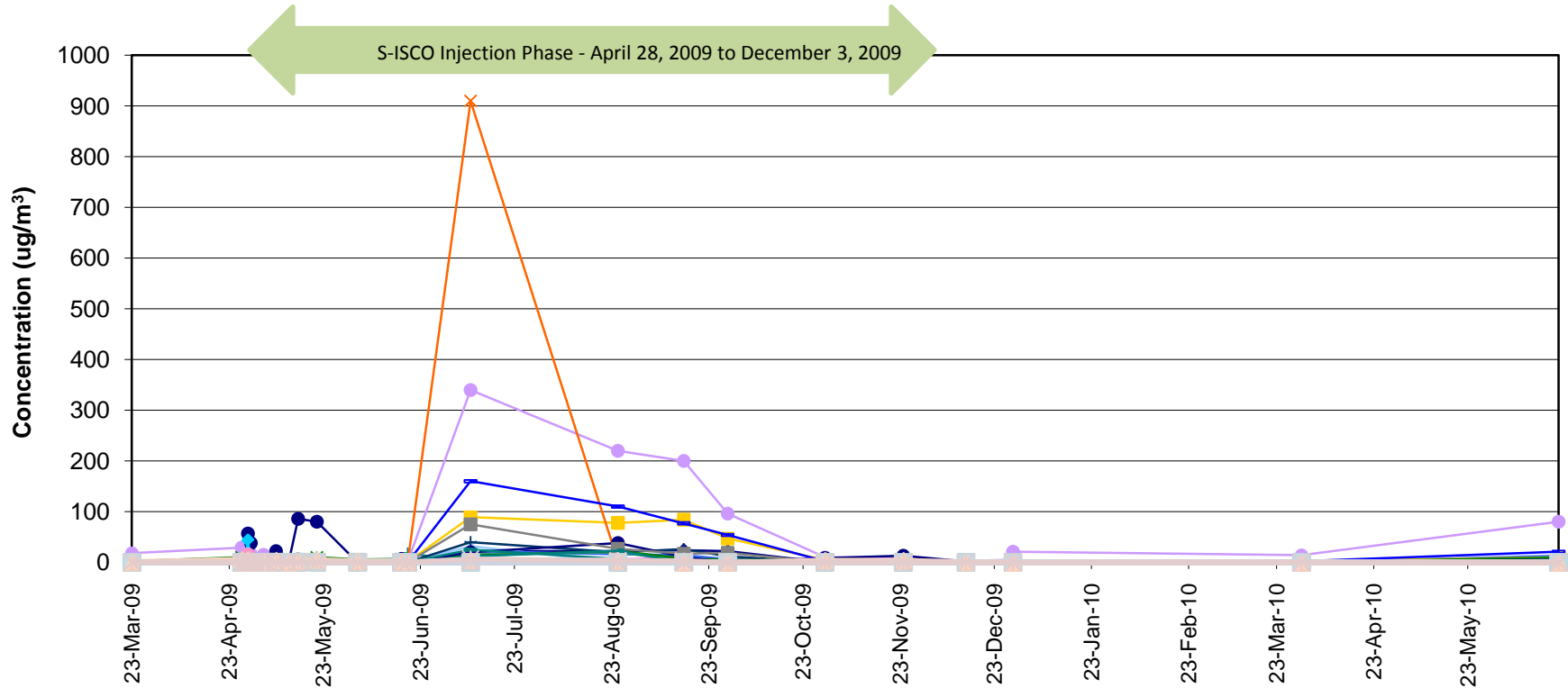
Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU4SV2 BTEX



Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

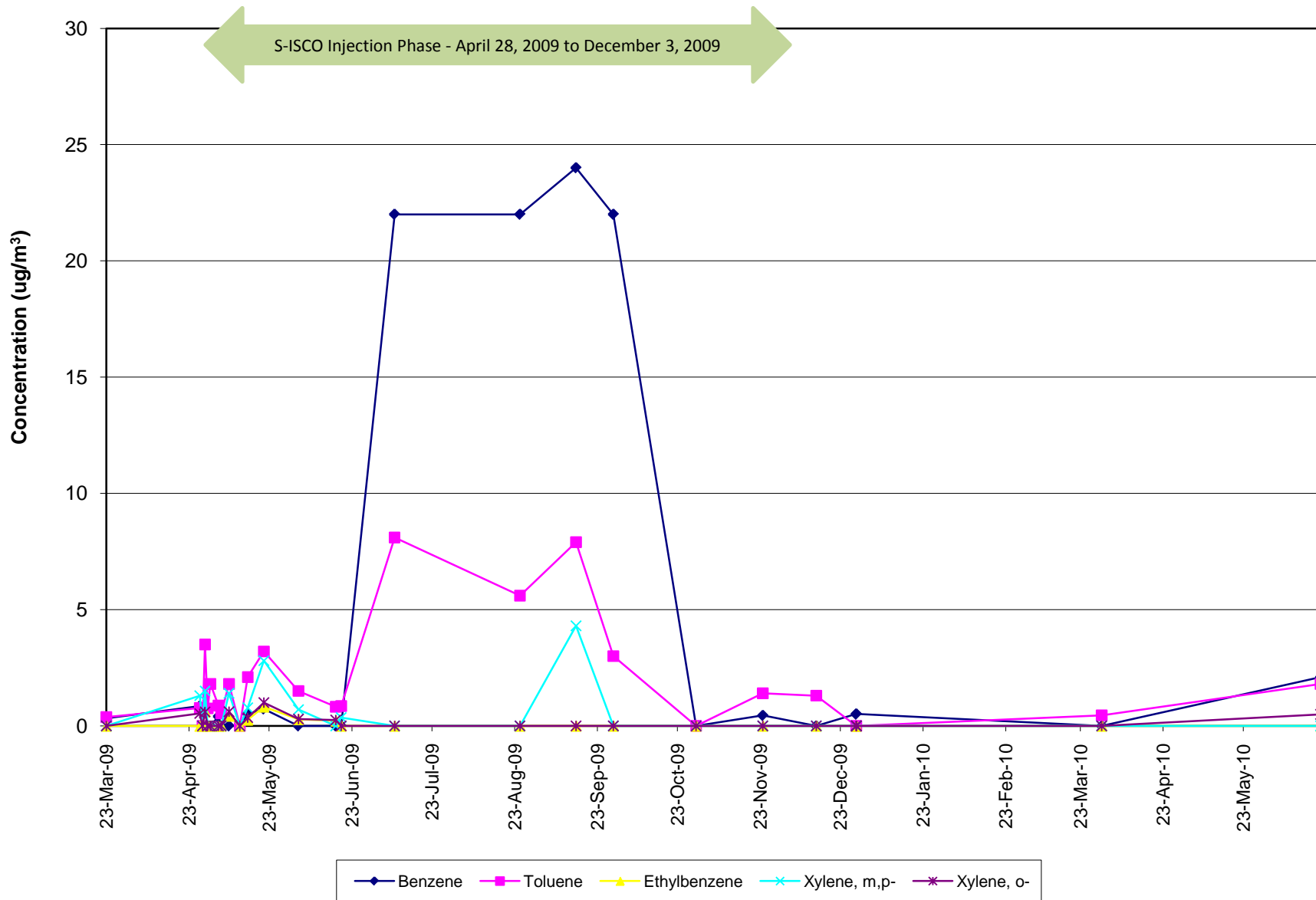
OU4SV4



Benzene	Toluene	Ethylbenzene	Xylene, m,p-	Xylene, o-	Acetaldehyde
Acetone	Acrolein (propenal)	Allyl chloride	Benzothiophene	Bromodichloromethane	Bromoform
Bromomethane	Butadiene, 1,3-	Butane	Butanone, 2-	Carbon disulfide	Carbon tetrachloride
Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Chlorotoluene, 2-	Cryofluorane
Cyclohexane	Decane, n-	Dibromochloromethane	Dibromoethane, 1,2-	Dichlorobenzene, 1,2-	Dichlorobenzene, 1,3-
Dichlorobenzene, 1,4-	Dichlorodifluoromethane	Dichloroethane, 1,1-	Dichloroethane, 1,2-	Dichloroethene, 1,1-	Dichloroethene, cis-1,2-
Dichloropropane, 1,2-	Dichloropropene, cis-1,3	Dichloropropene, trans-1,3	Dioxane, 1,4-	Dodecane, n-	Ethanol
Ethylthiophene, 2-	Ethyltoluene, p-	Heptane, n-	Hexachlorobutadiene	Hexane, n-	Hexanone, 2-
Hydrogen sulfide	Indan	Indene	Isopropyl benzene	Methyl tert-butyl ether	Methyl-2-pentanone, 4-
Methylene chloride	Methylnaphthalene, 1-	Methylnaphthalene, 2-	Methylthiophene, 2-	Methylthiophene, 3-	Naphthalene
Nonane	Octane, n-	Pentane	Propanol, 2-	Propylbenzene, n-	Styrene
t-Butyl alcohol	Tetrachloroethane, 1,1,2,2-	Tetrachloroethene	Tetrahydrofuran	Tetramethylbenzene, 1,2,4,5-	Thiophene
Trans-1,2-dichloroethene	Trichloro-1,2,2-trifluoroethane, 1,1,2-	Trichlorobenzene, 1,2,4-	Trichloroethane, 1,1,1-	Trichloroethane, 1,1,2-	Trichloroethene
Trichlorofluoromethane	Trimethylbenzene, 1,2,3-	Trimethylbenzene, 1,2,4-	Trimethylbenzene, 1,3,5-	Trimethylpentane, 2,2,4-	Undecane, n-
Vinyl bromide	Vinyl chloride				

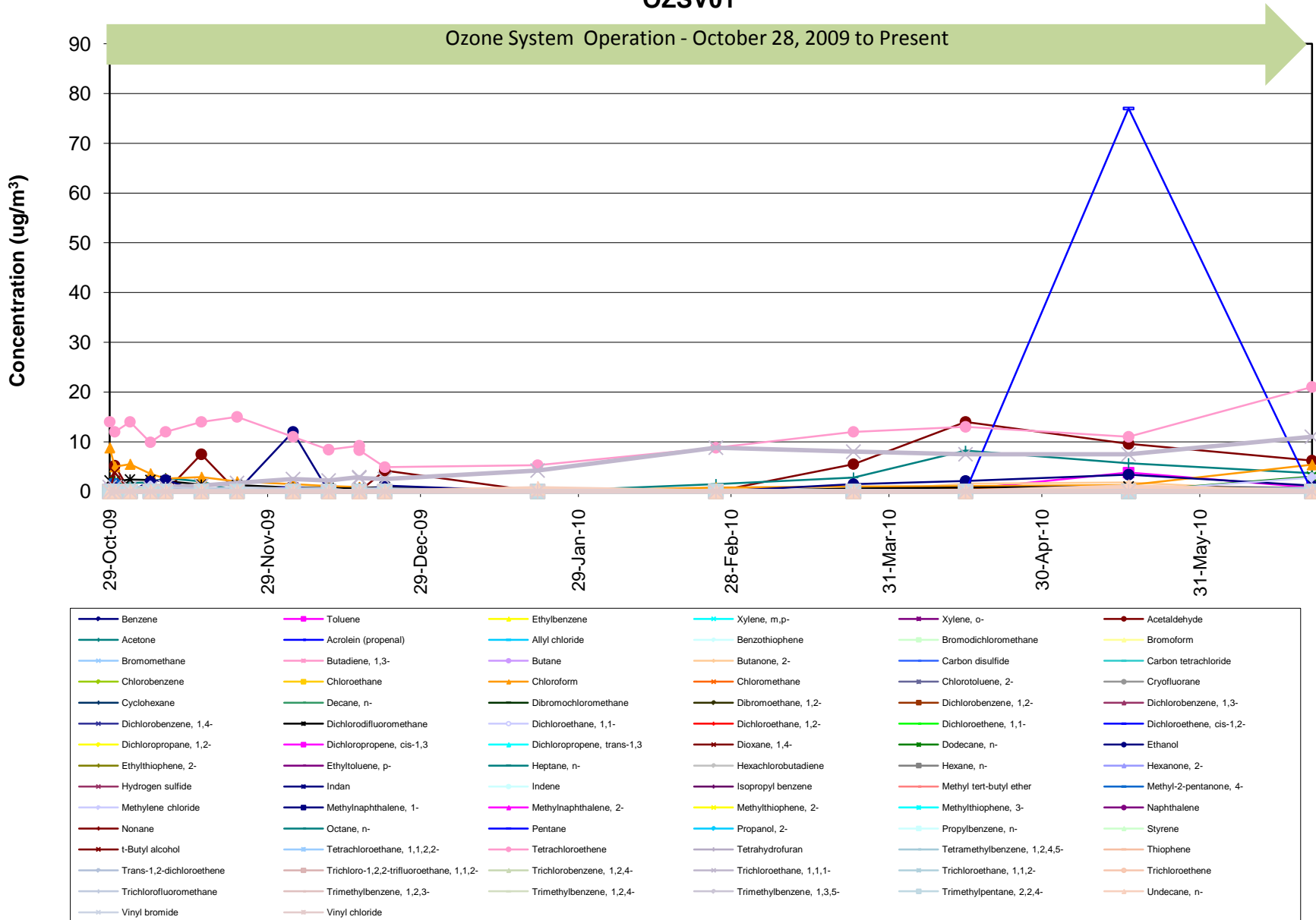
Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OU4SV4 BTEX



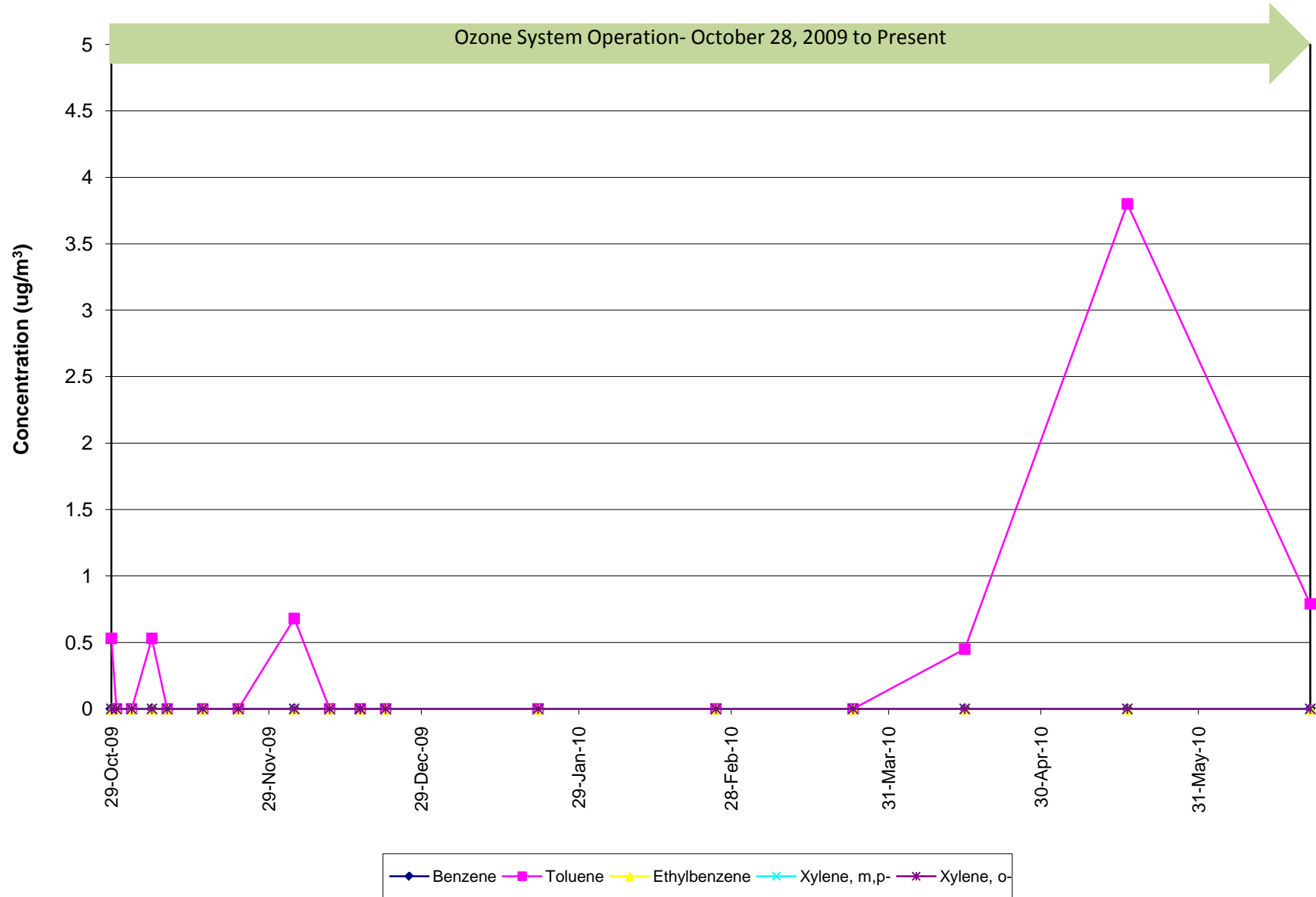
Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OZSV01



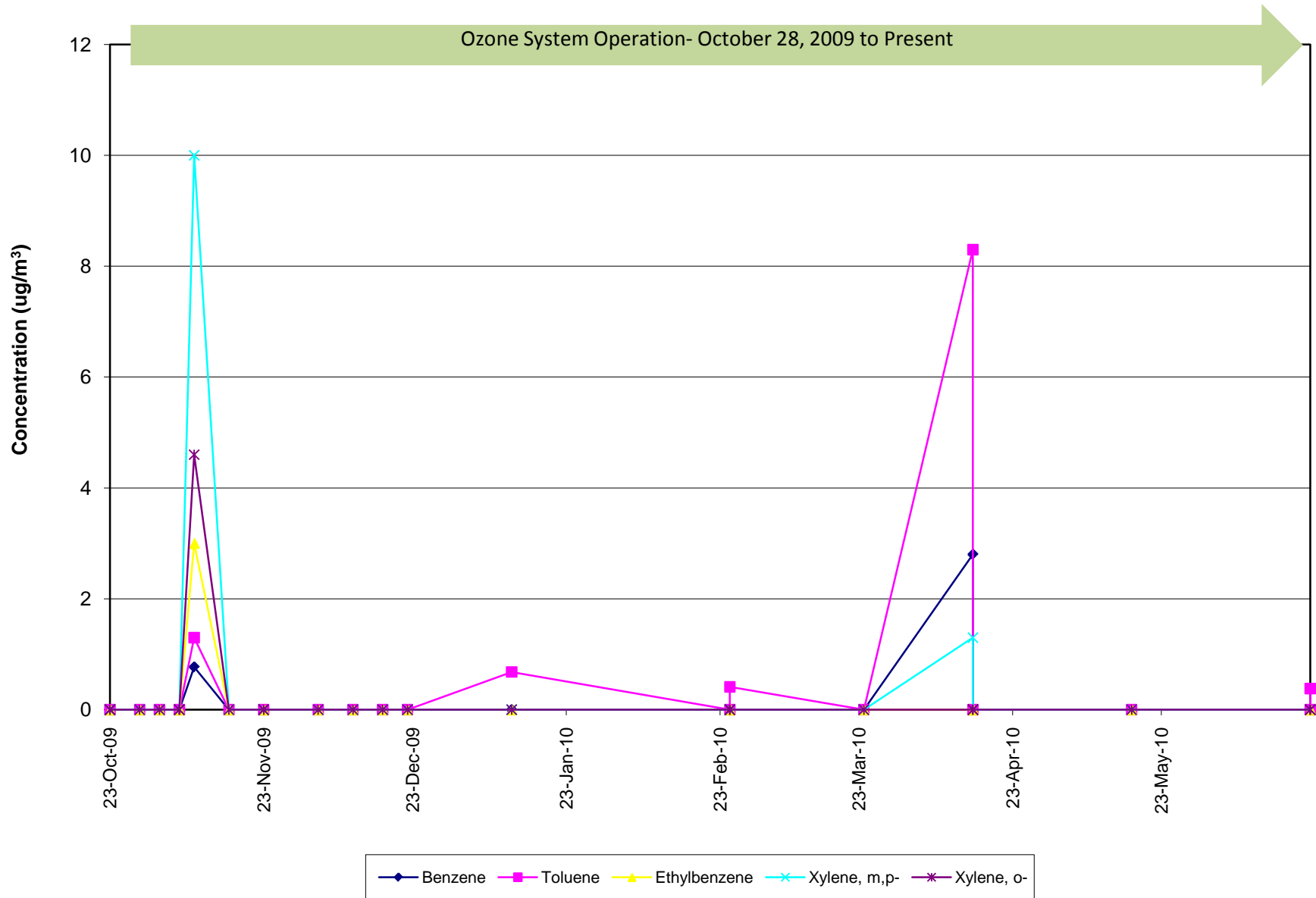
Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OZSV01 BTEX



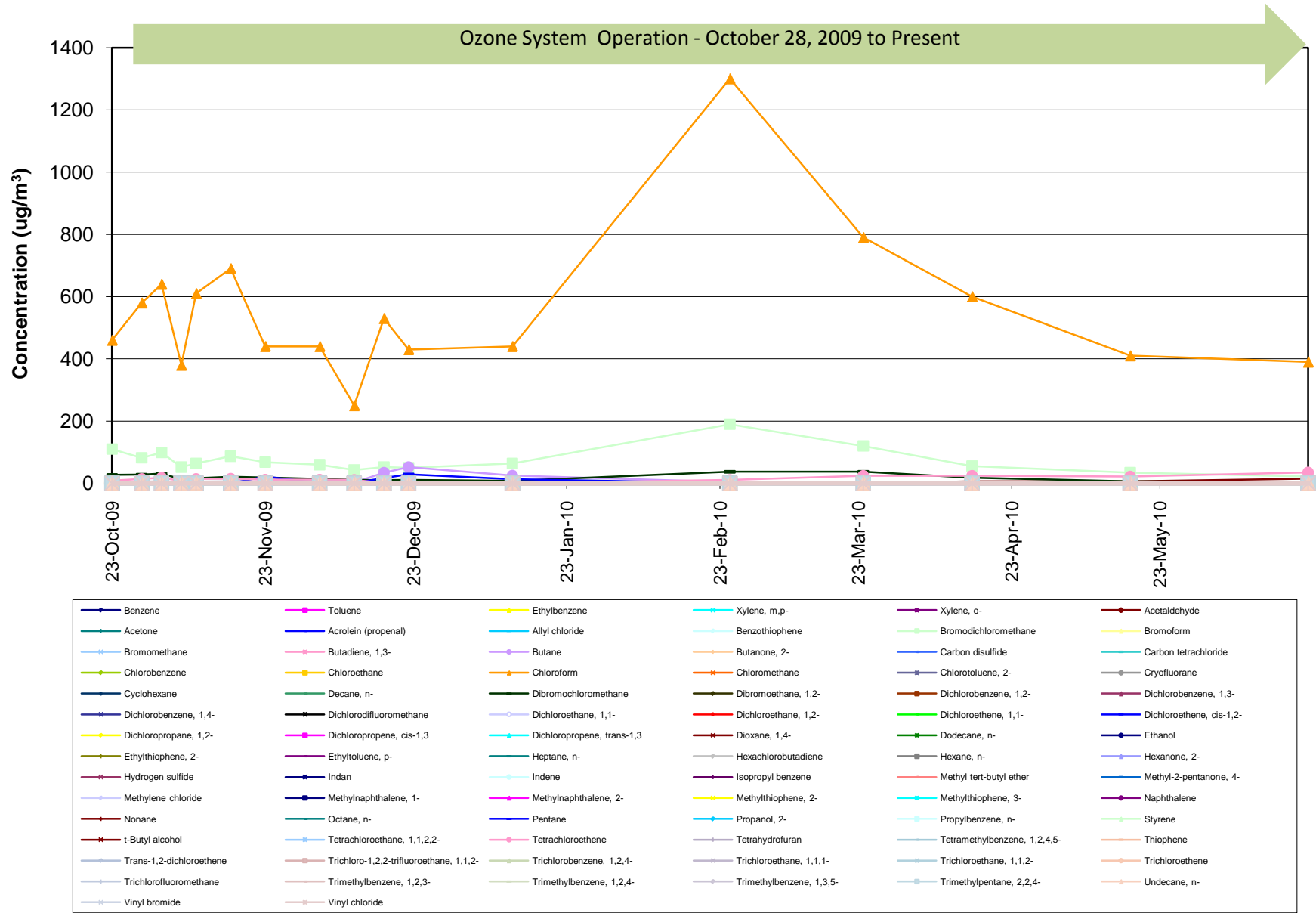
Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

OZSV02 BTEX



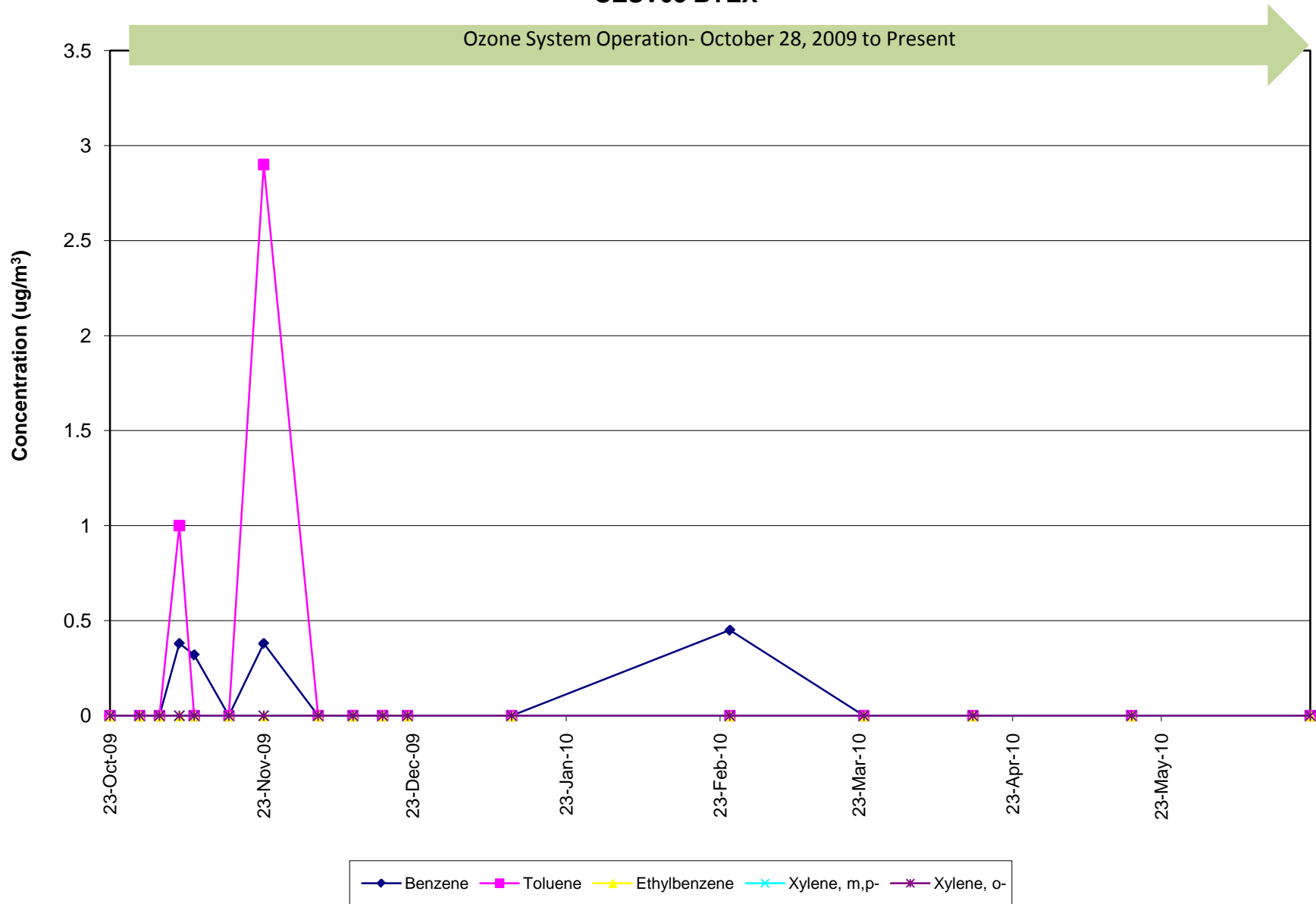
Appendix E
 Soil Vapor Analytical Results
 Bay Shore/Brightwaters Former MGP Site

OZSV03

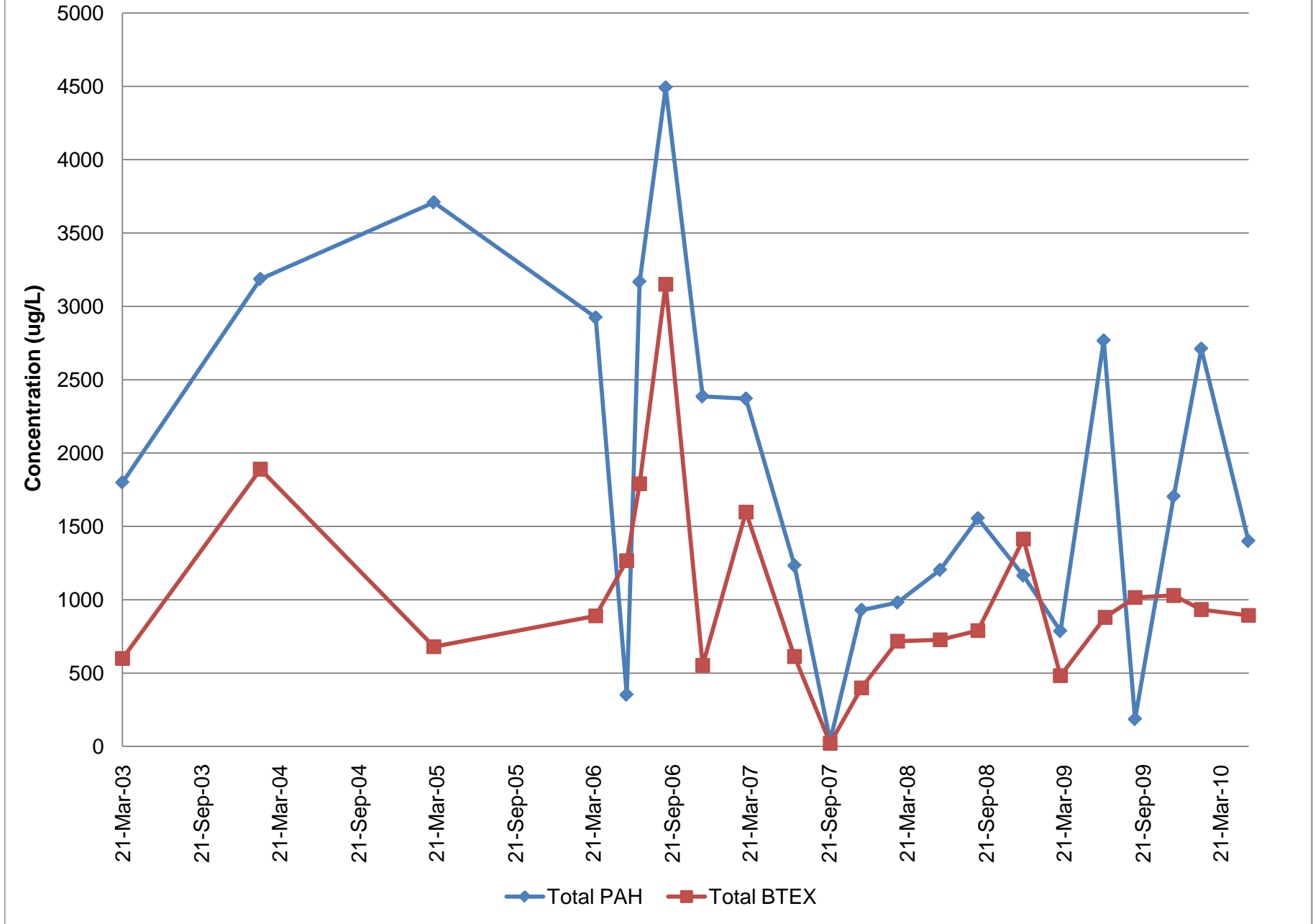


Appendix E
Soil Vapor Analytical Results
Bay Shore/Brightwaters Former MGP Site

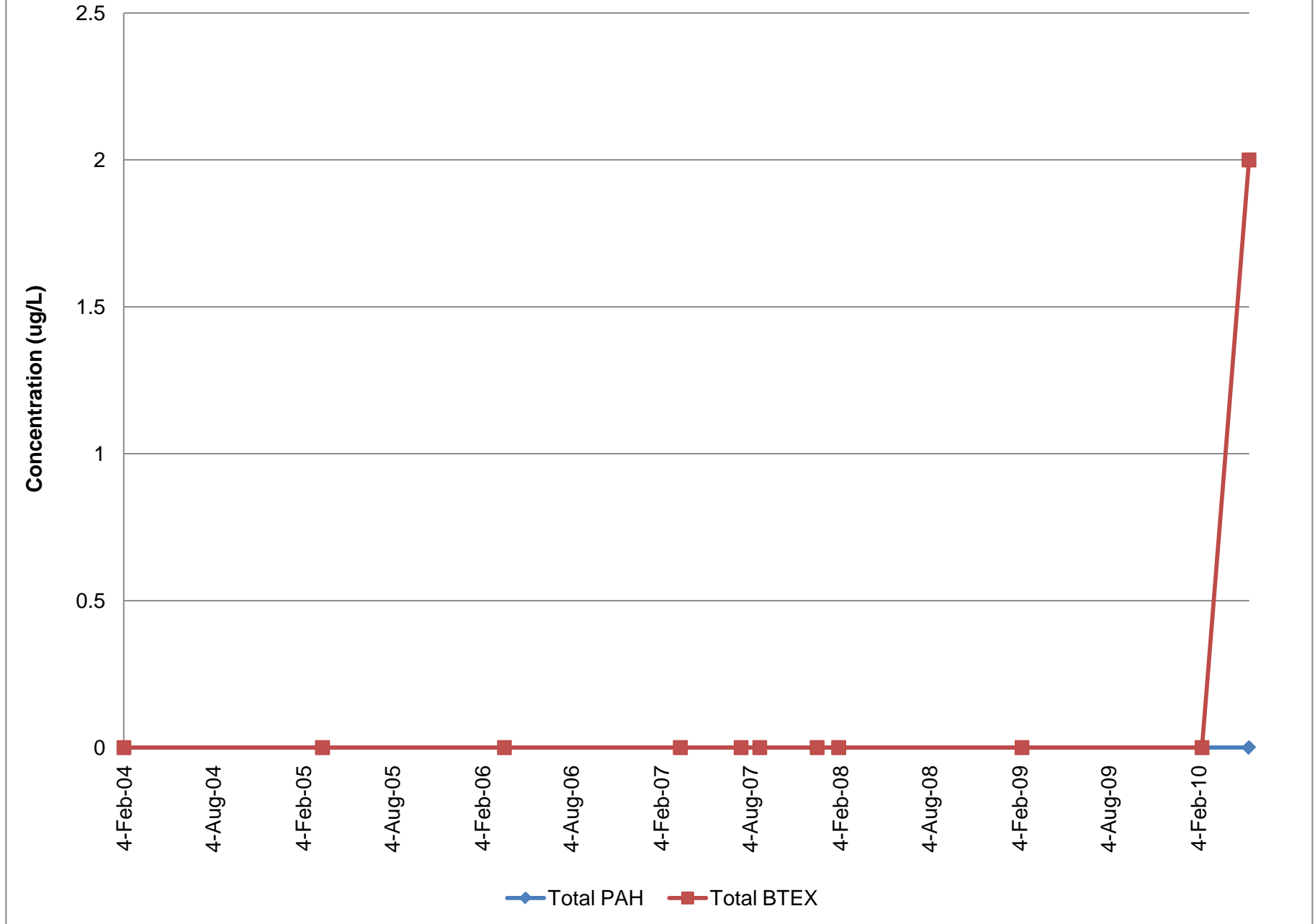
OZSV03 BTEX



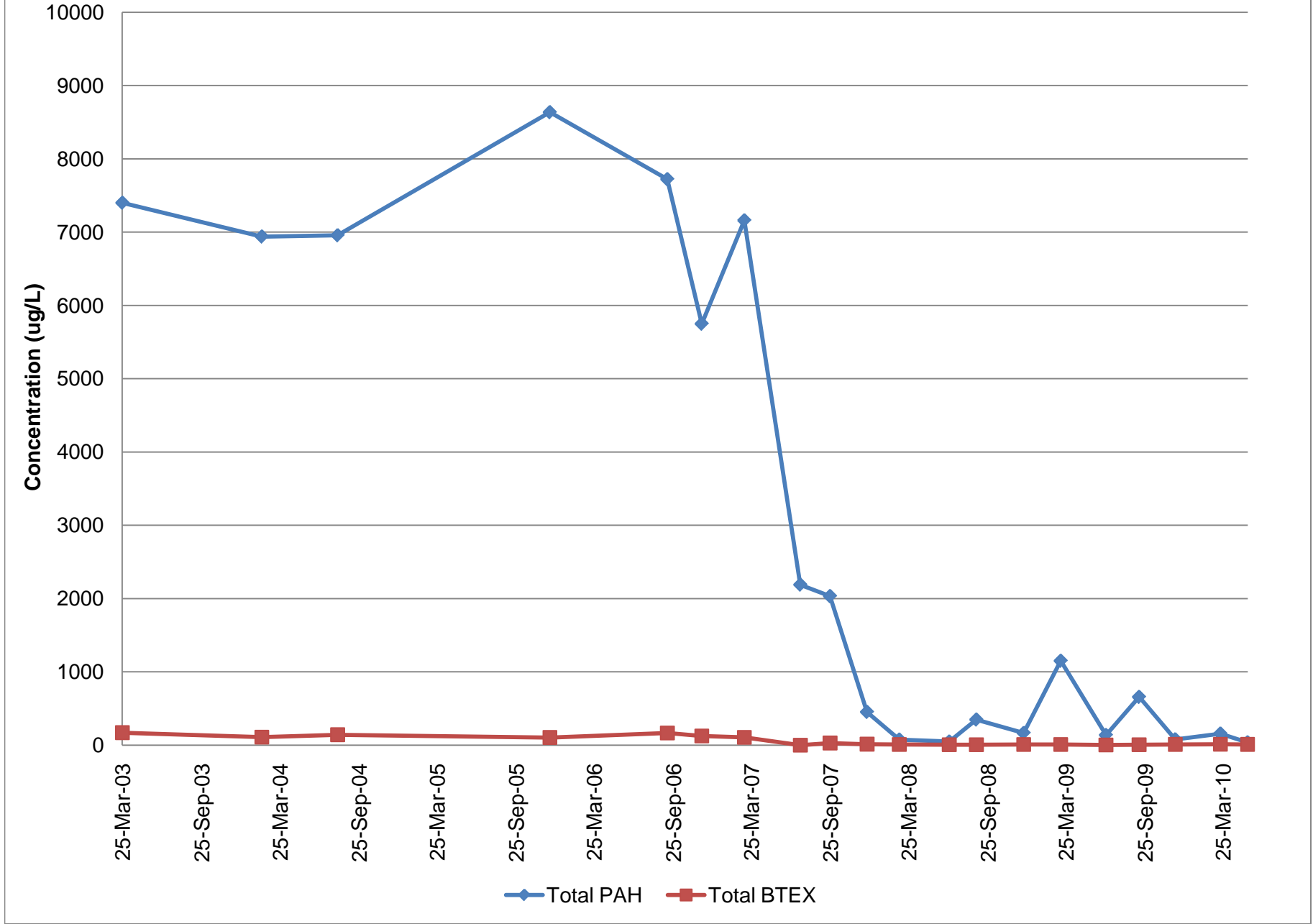
Monitoring Well BMW-05D 64-74 ft bgs



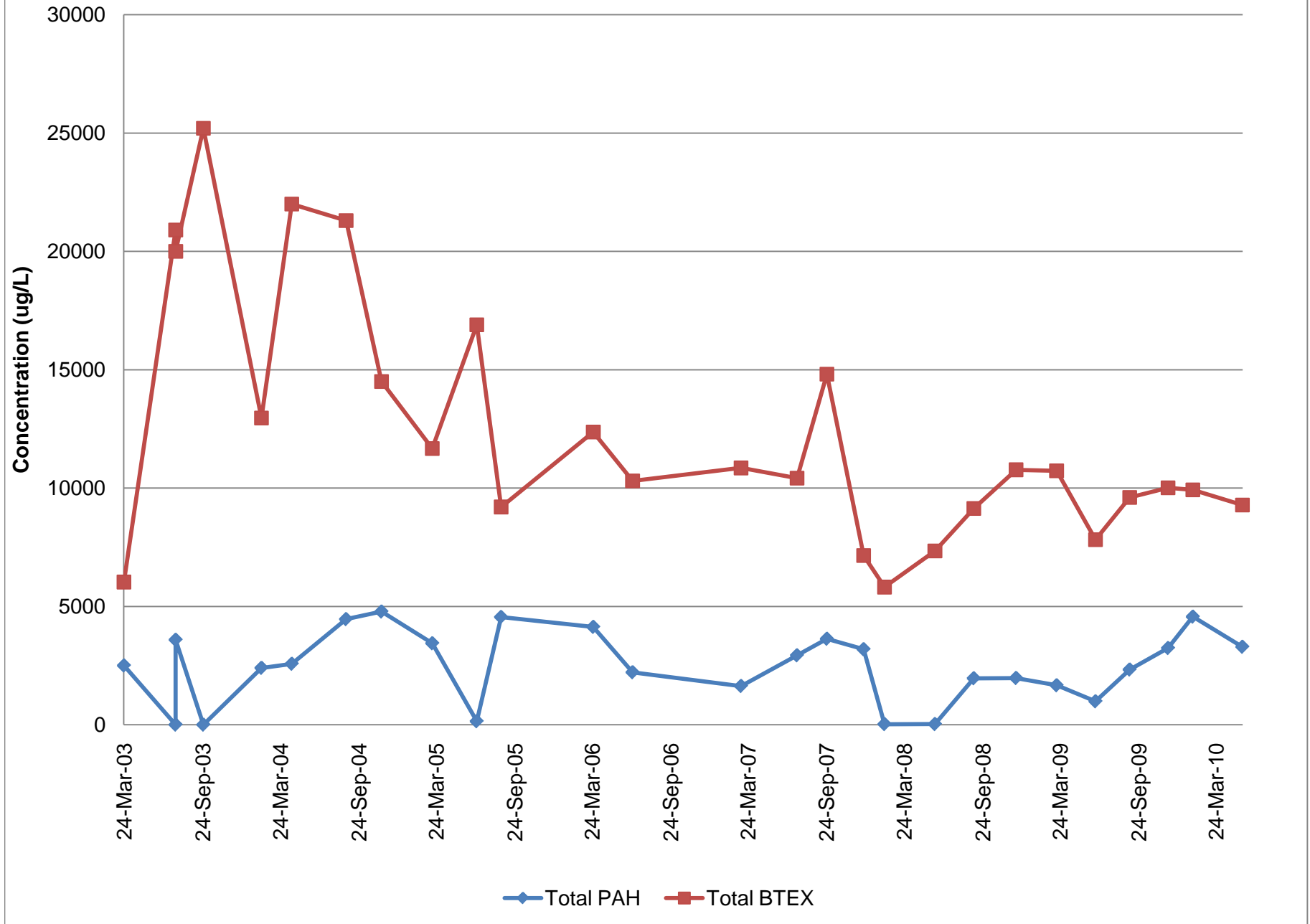
Monitoring Well BMW-13D 62 - 72 ft bgs



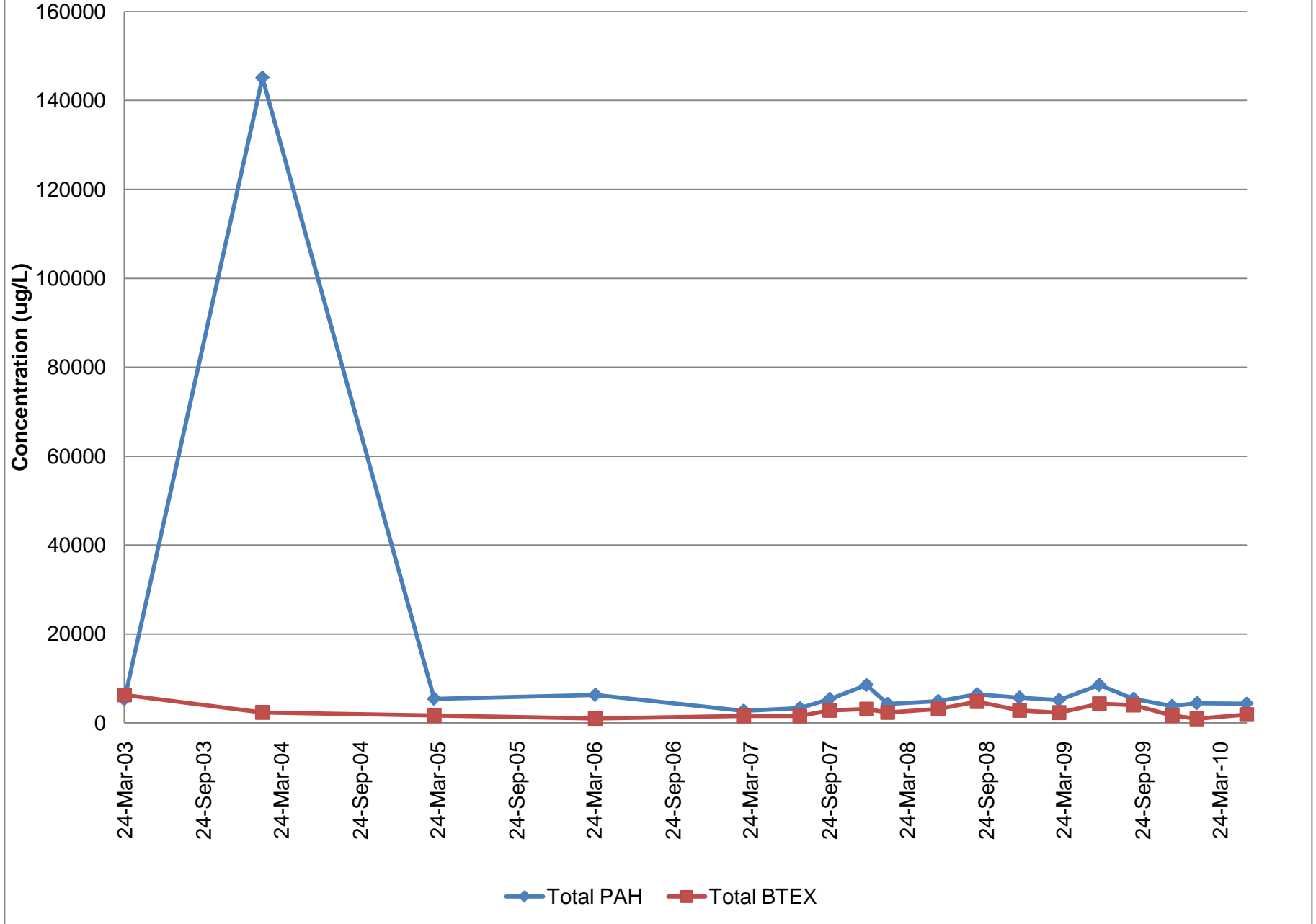
Monitoring Well BMW-20I 35 - 45 ft bgs



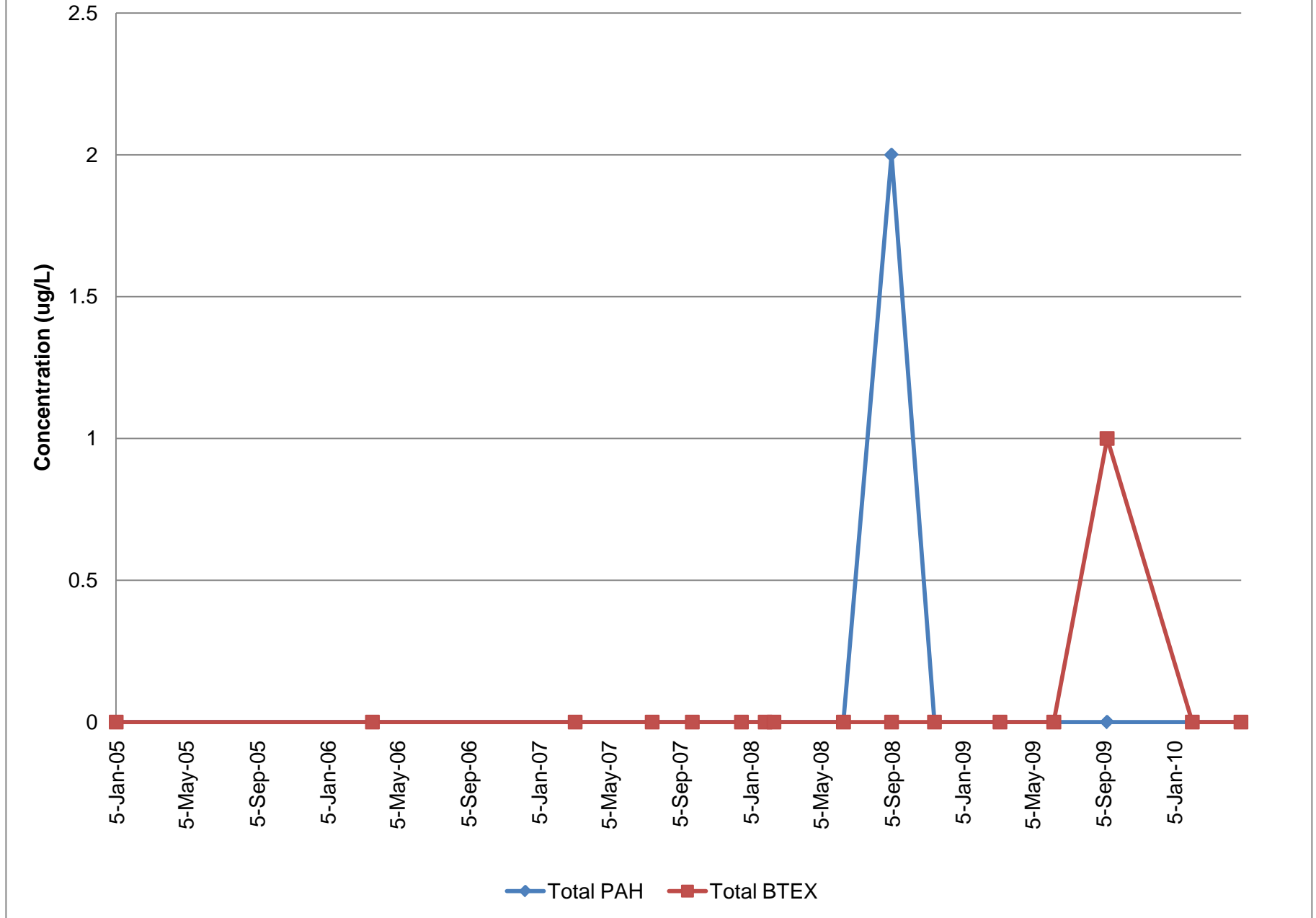
Monitoring Well BMW-22S 5-10 ft bgs



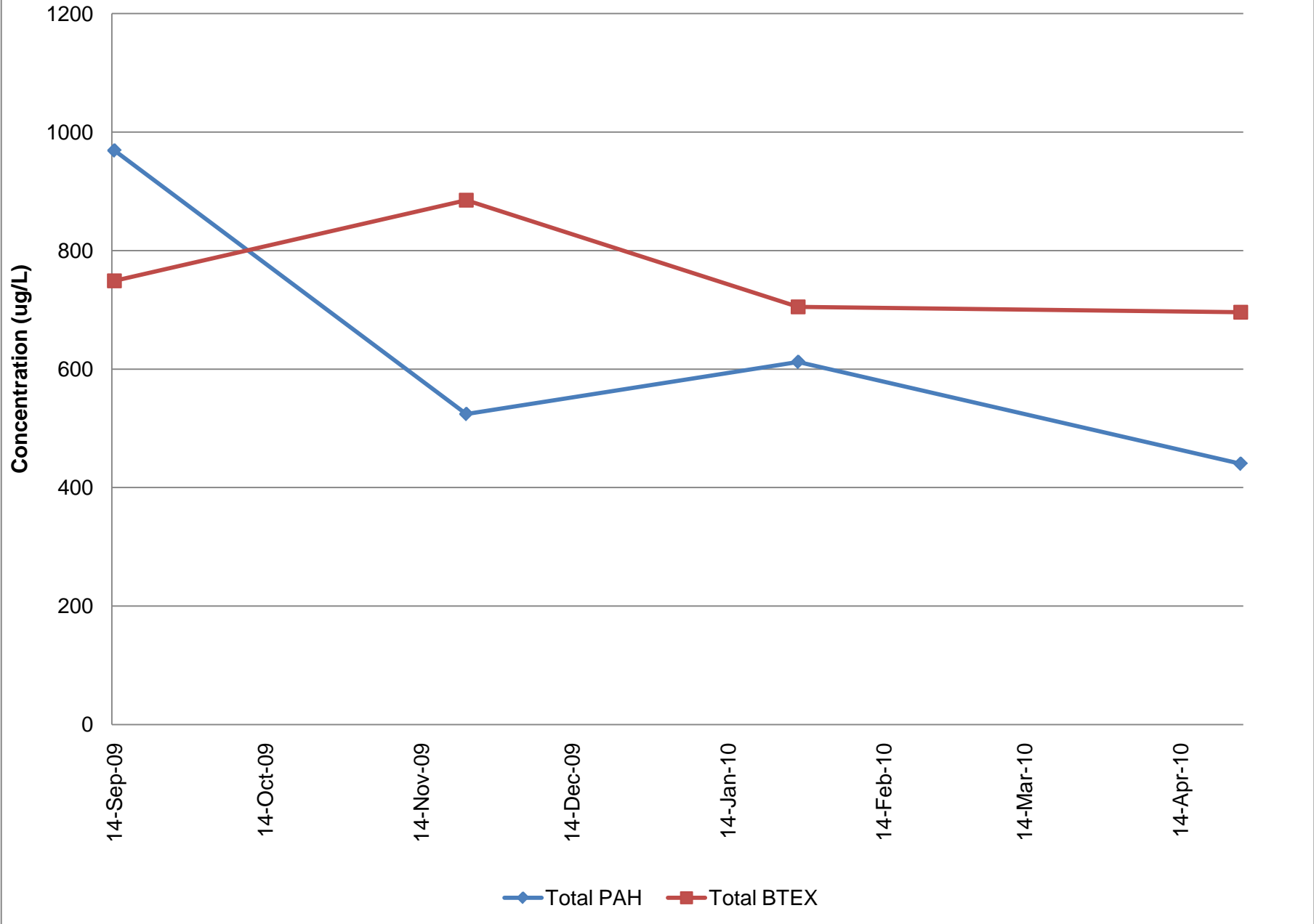
Monitoring Well BMW-22D 64 - 74 ft bgs



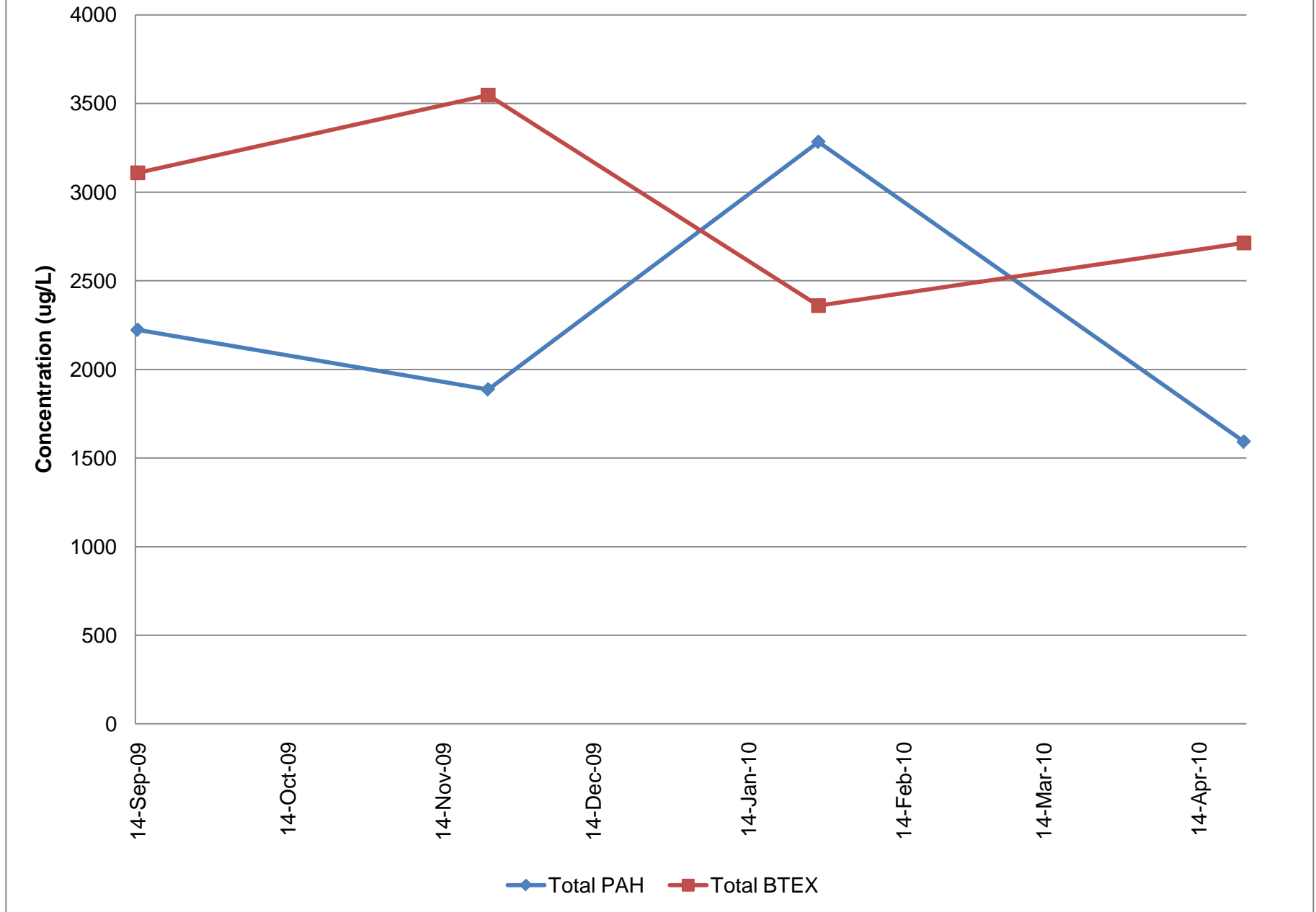
Monitoring Well BMW-27S 5-15 ft bgs



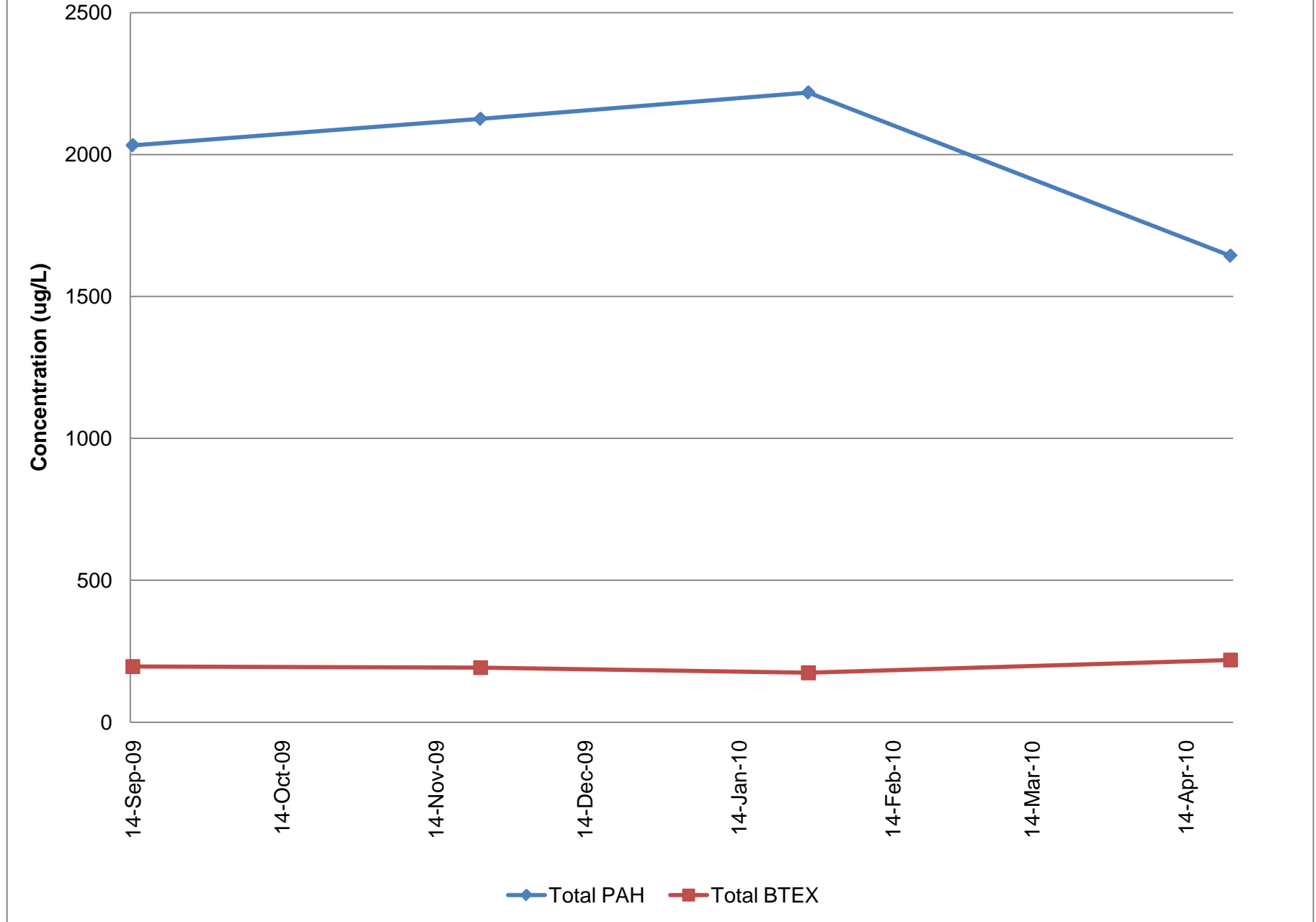
Monitoring Well BMW-34S 5-15 ft bgs



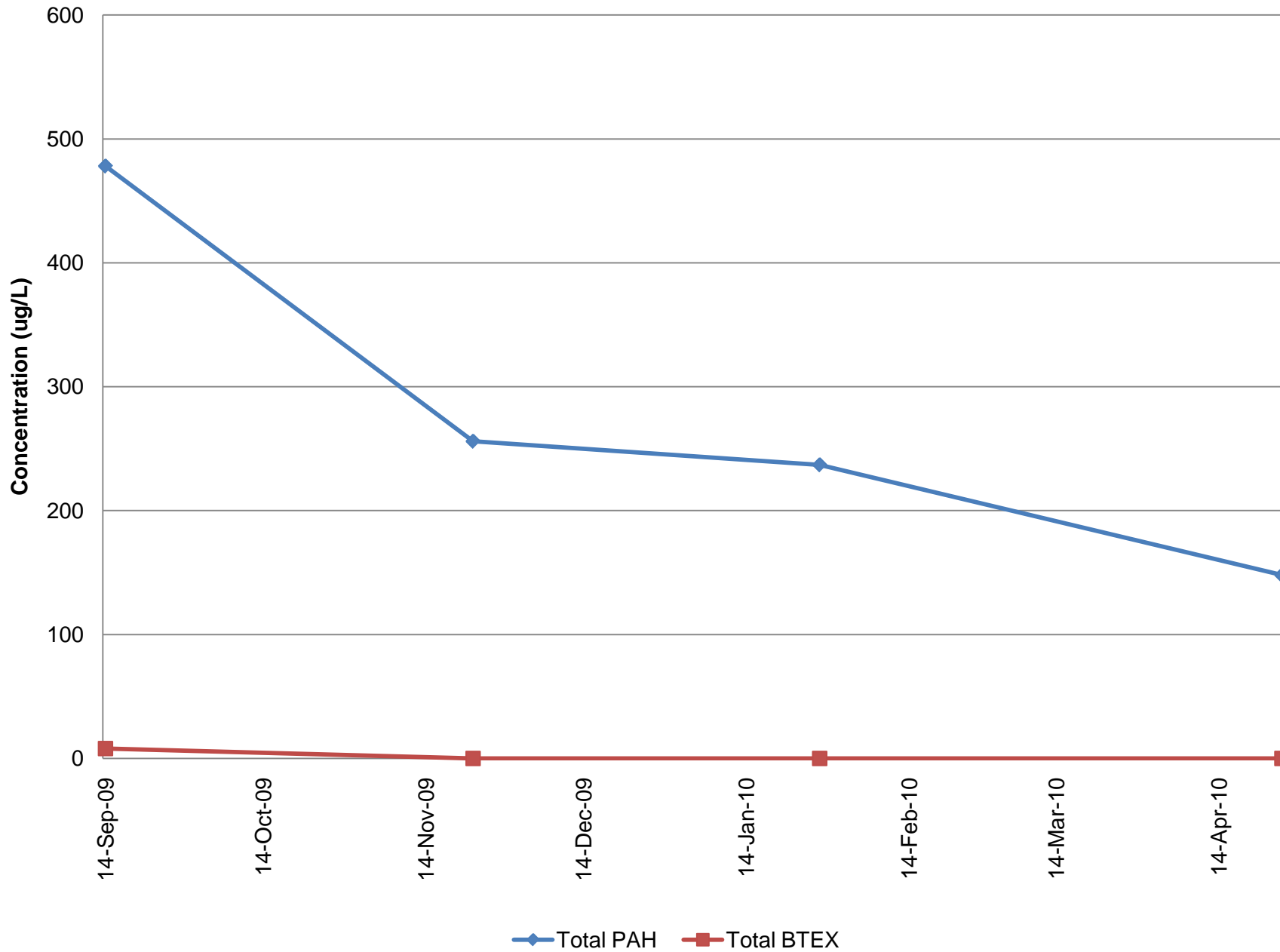
Monitoring Well BMW-34I 25-30 ft bgs



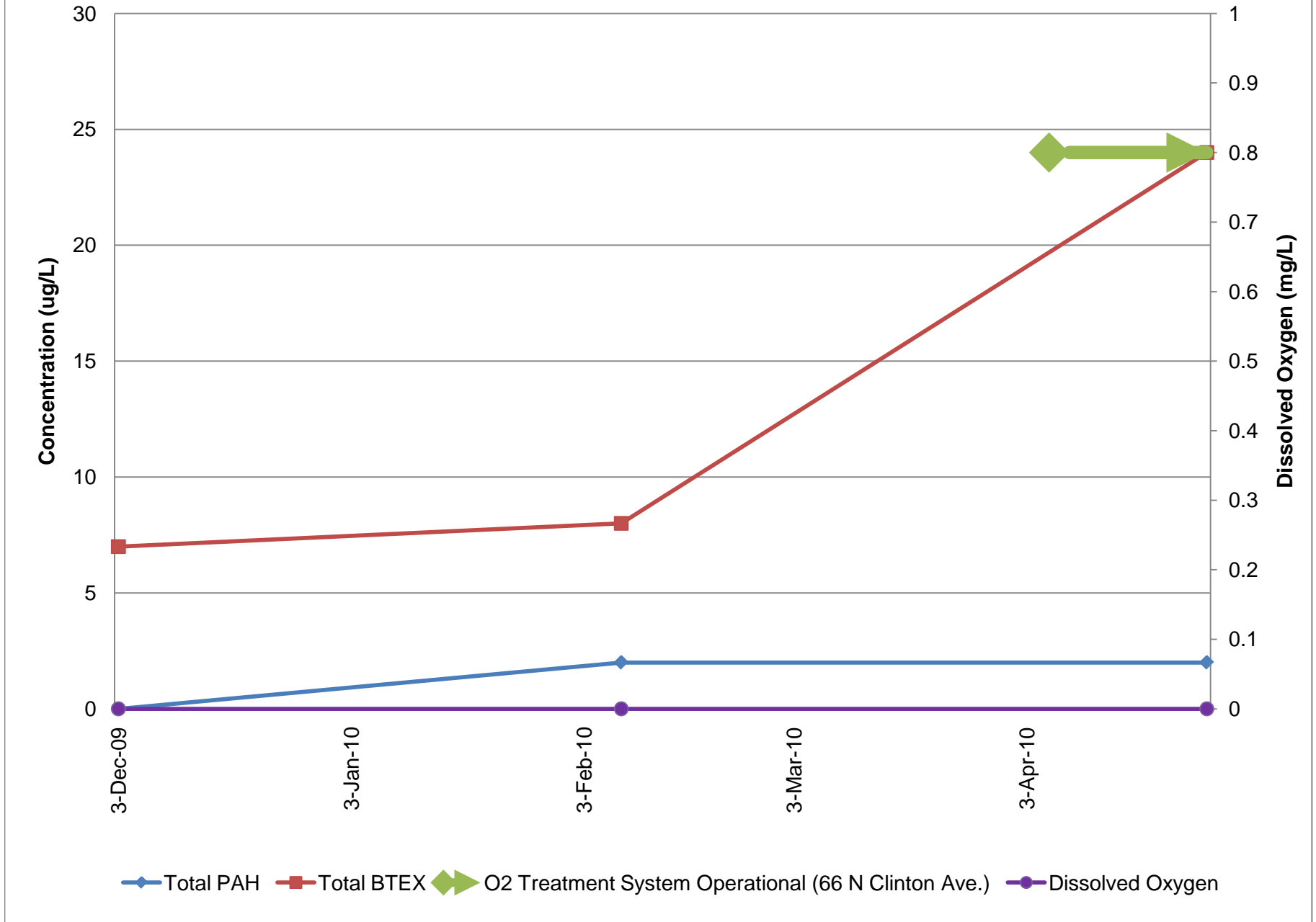
Monitoring Well BMW-34I2 40-45 ft bgs



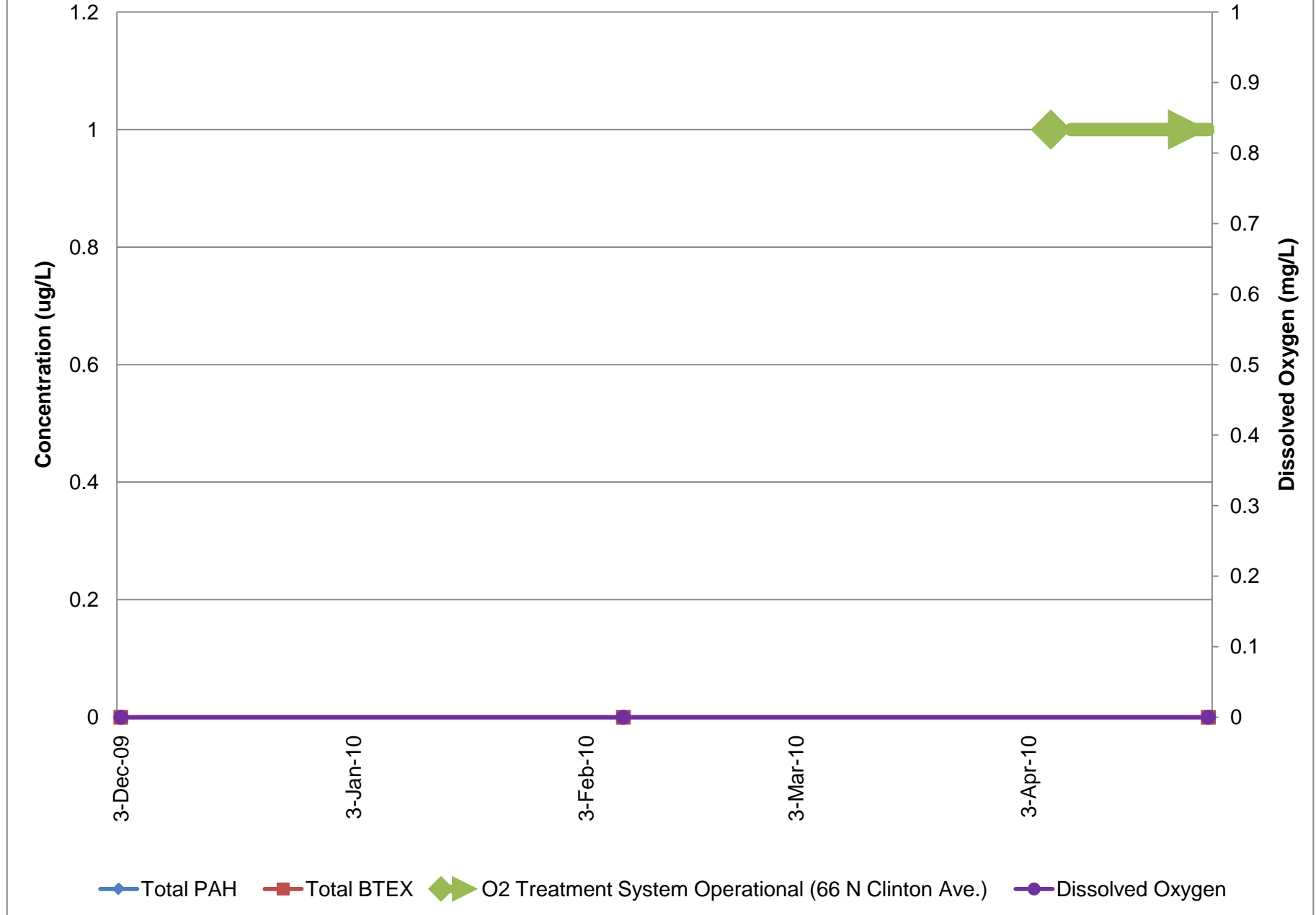
Monitoring Well BMW-34D 65-70 ft bgs



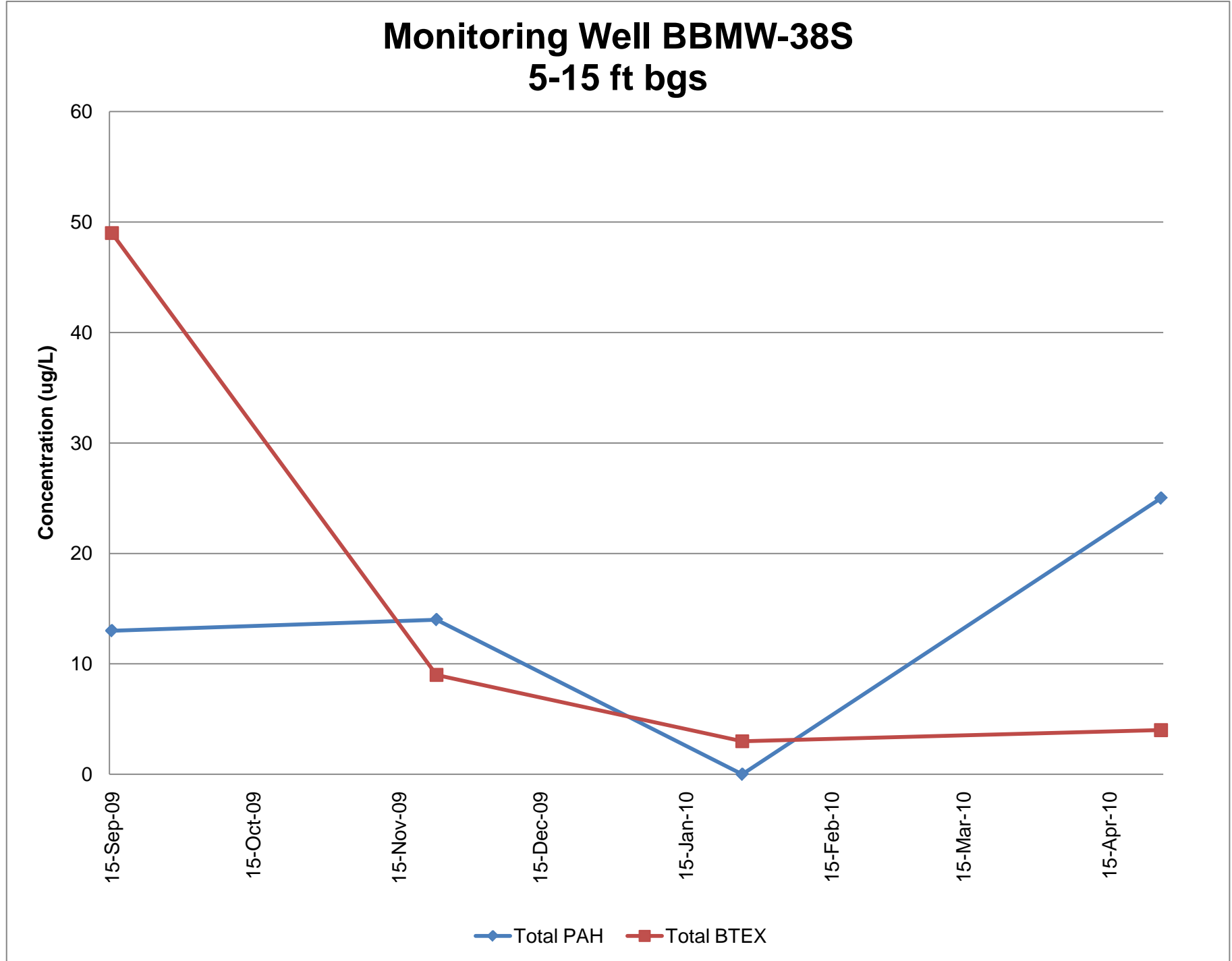
Monitoring Well BMW-36S 5-15 ft bgs



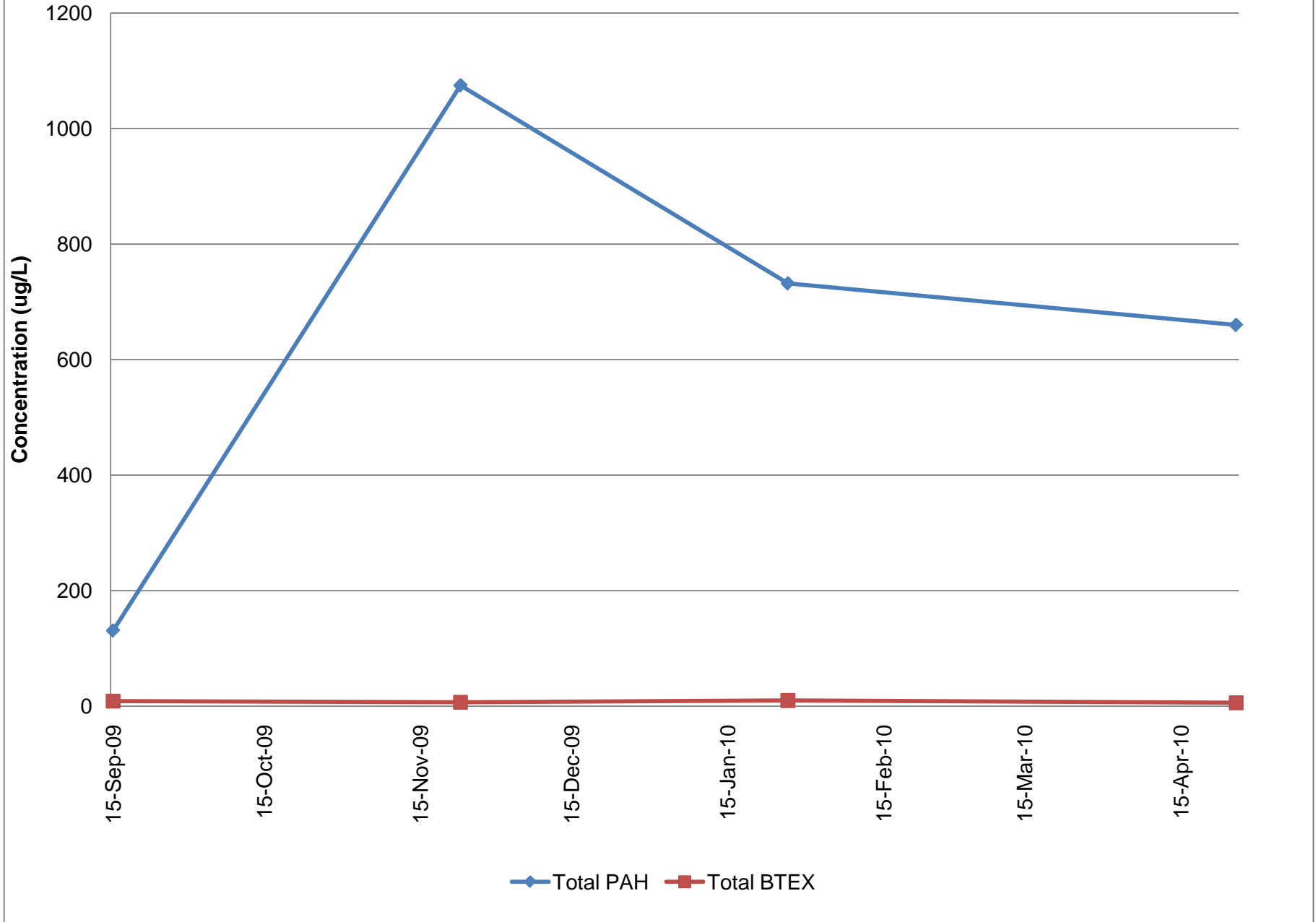
Monitoring Well BMW-36I 25-30 ft bgs



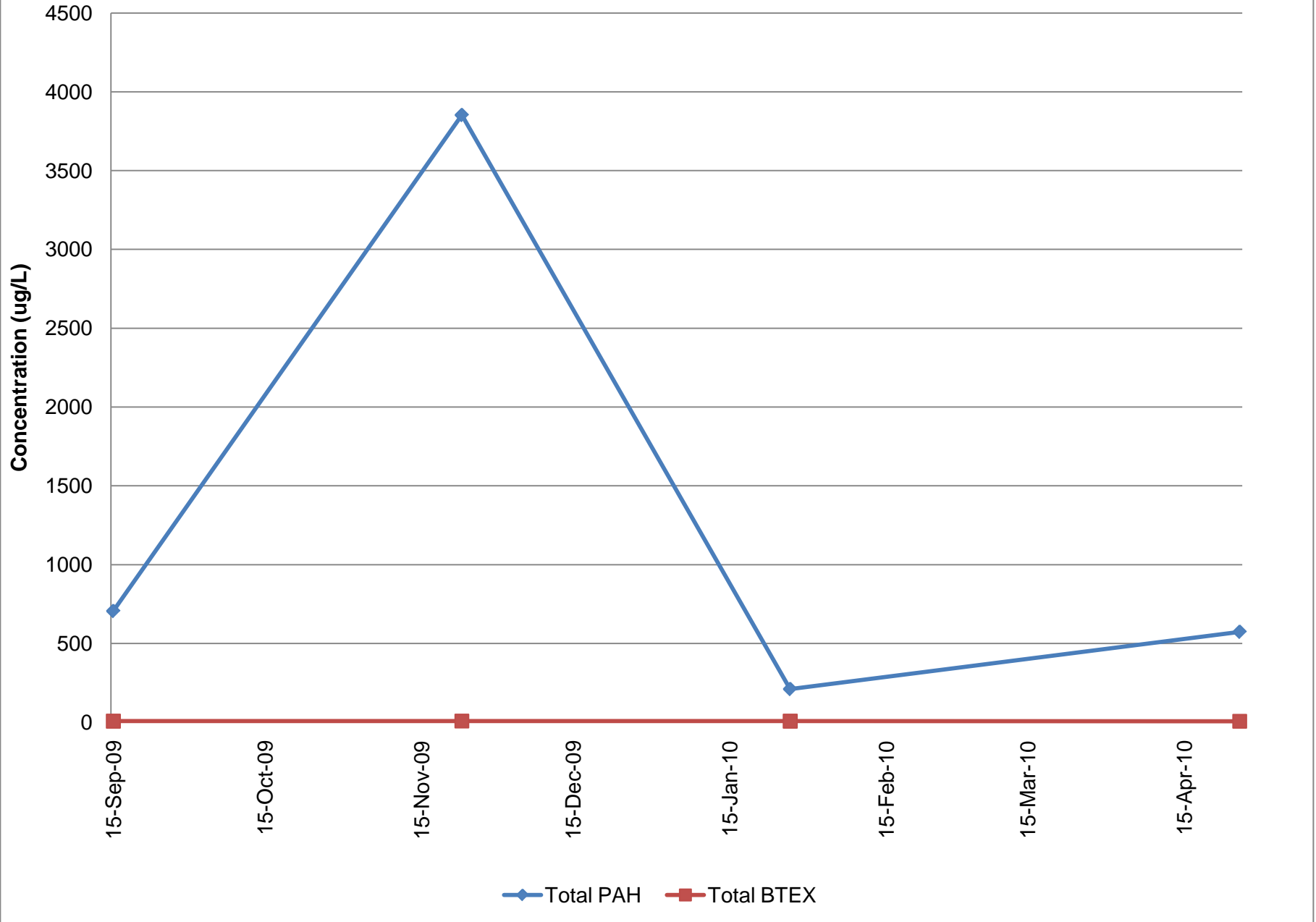
Monitoring Well BMW-38S 5-15 ft bgs



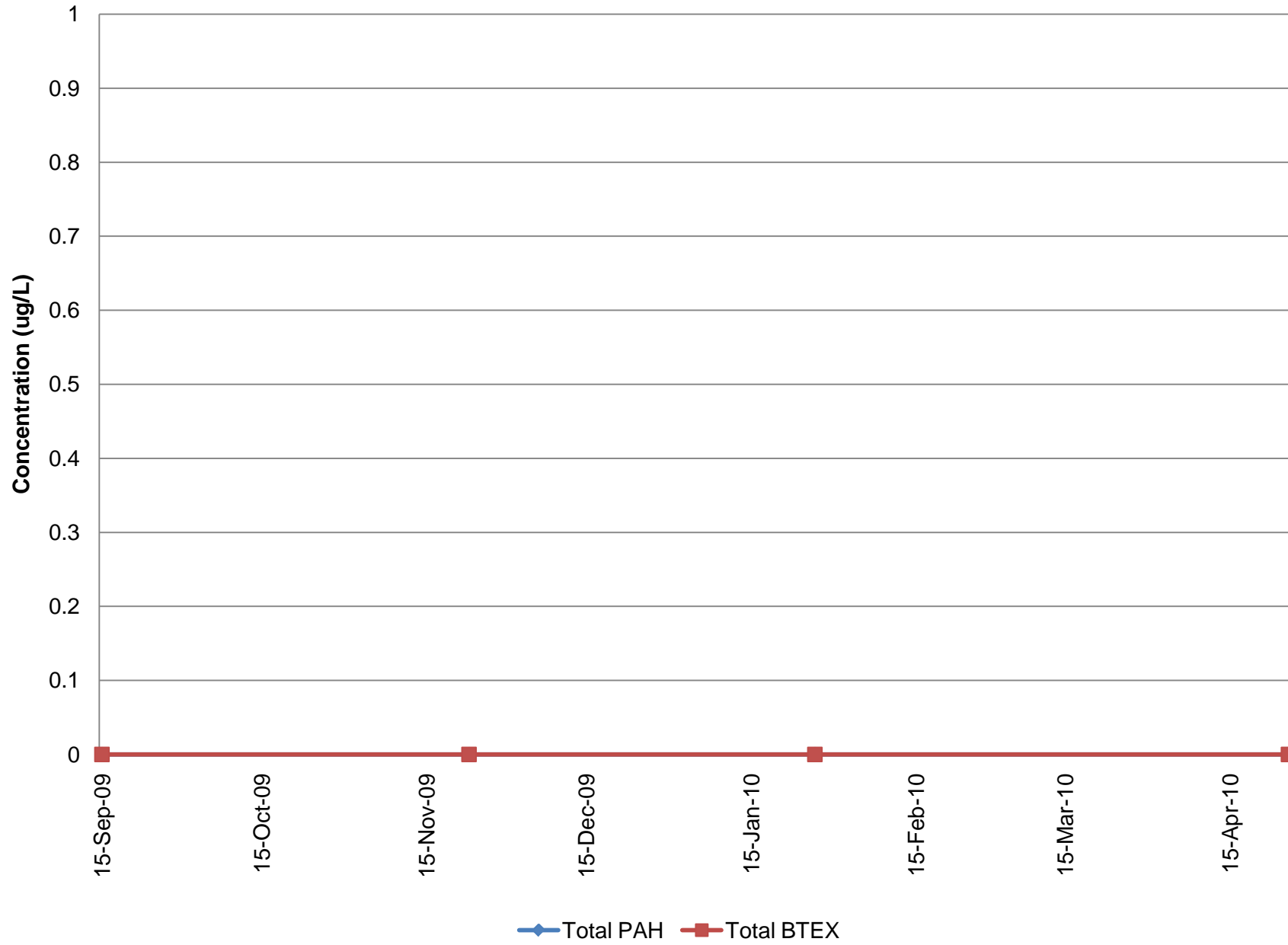
Monitoring Well BMW-38I 25-30 ft bgs



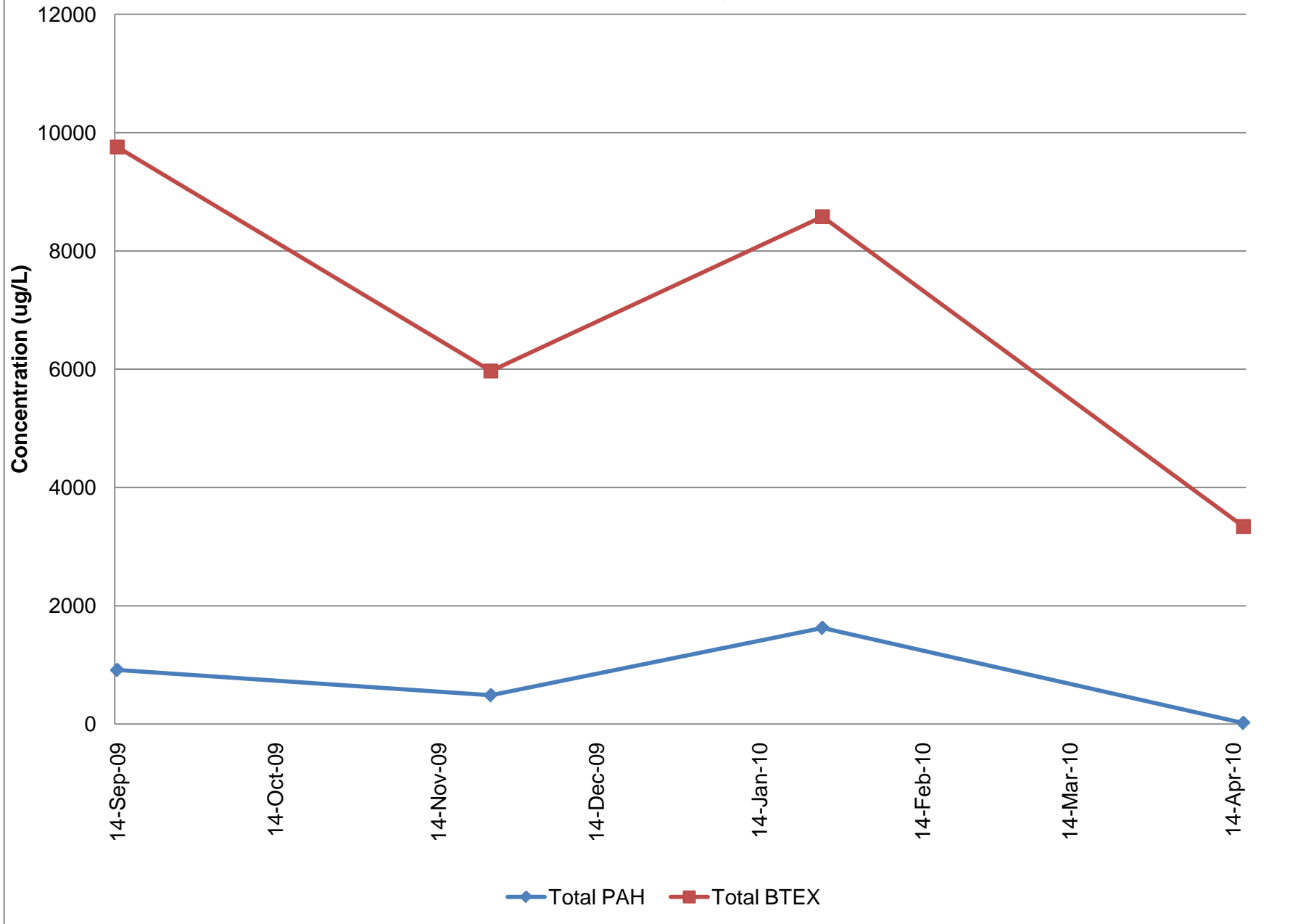
Monitoring Well BMW-38I2 40-45 ft bgs



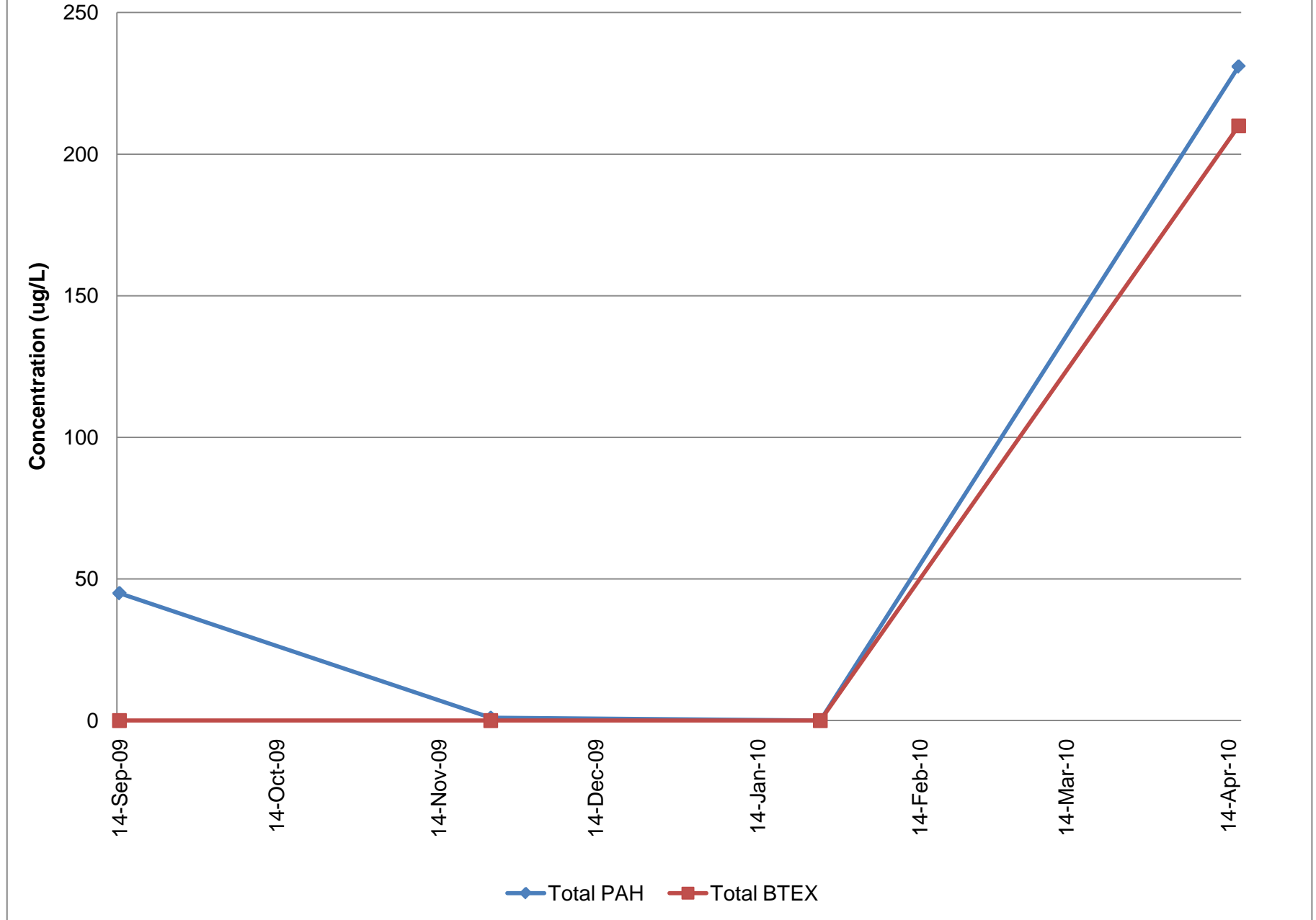
Monitoring Well BMW-38D 65-70 ft bgs



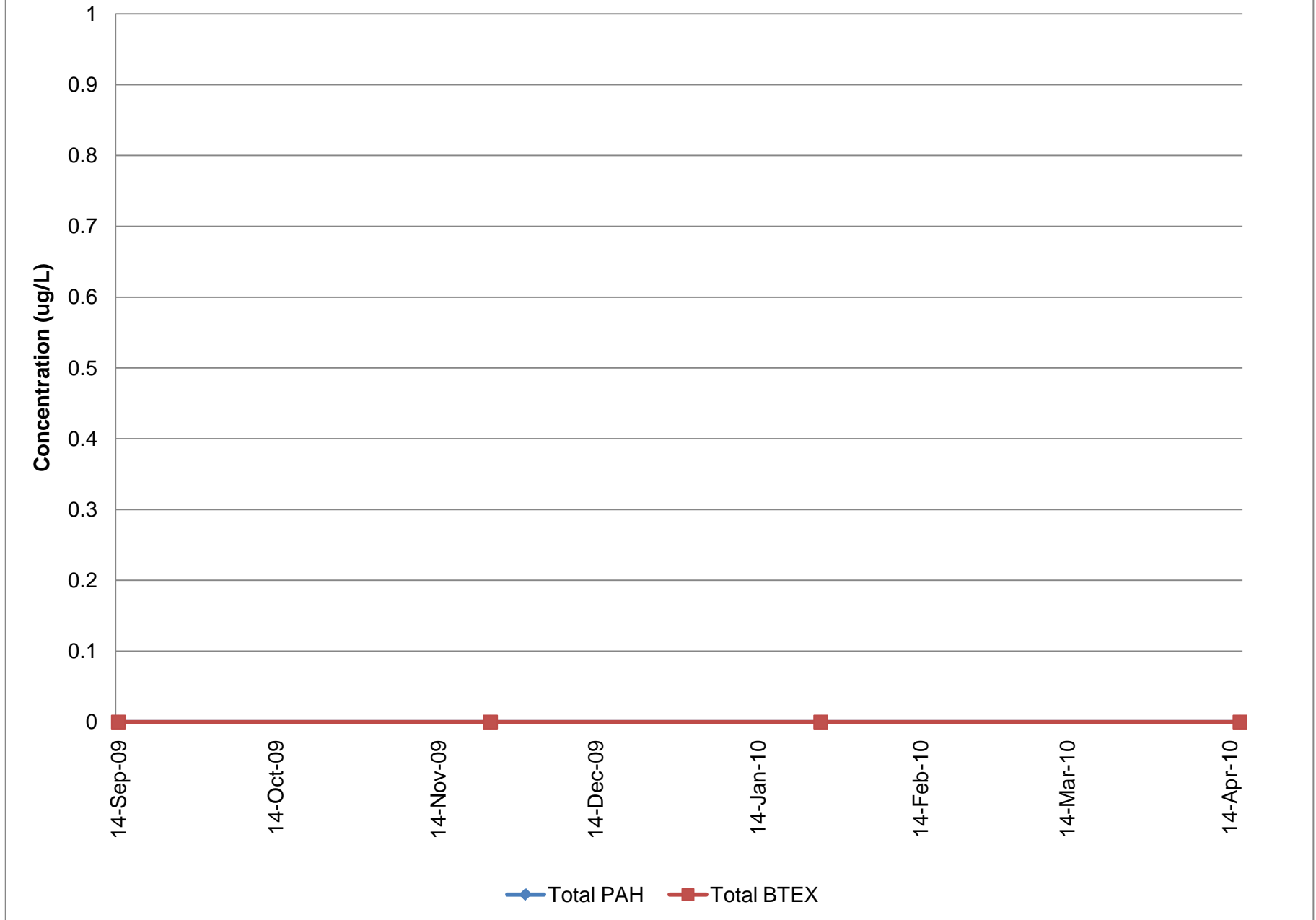
Monitoring Well BMW-39S 5-15 ft bgs



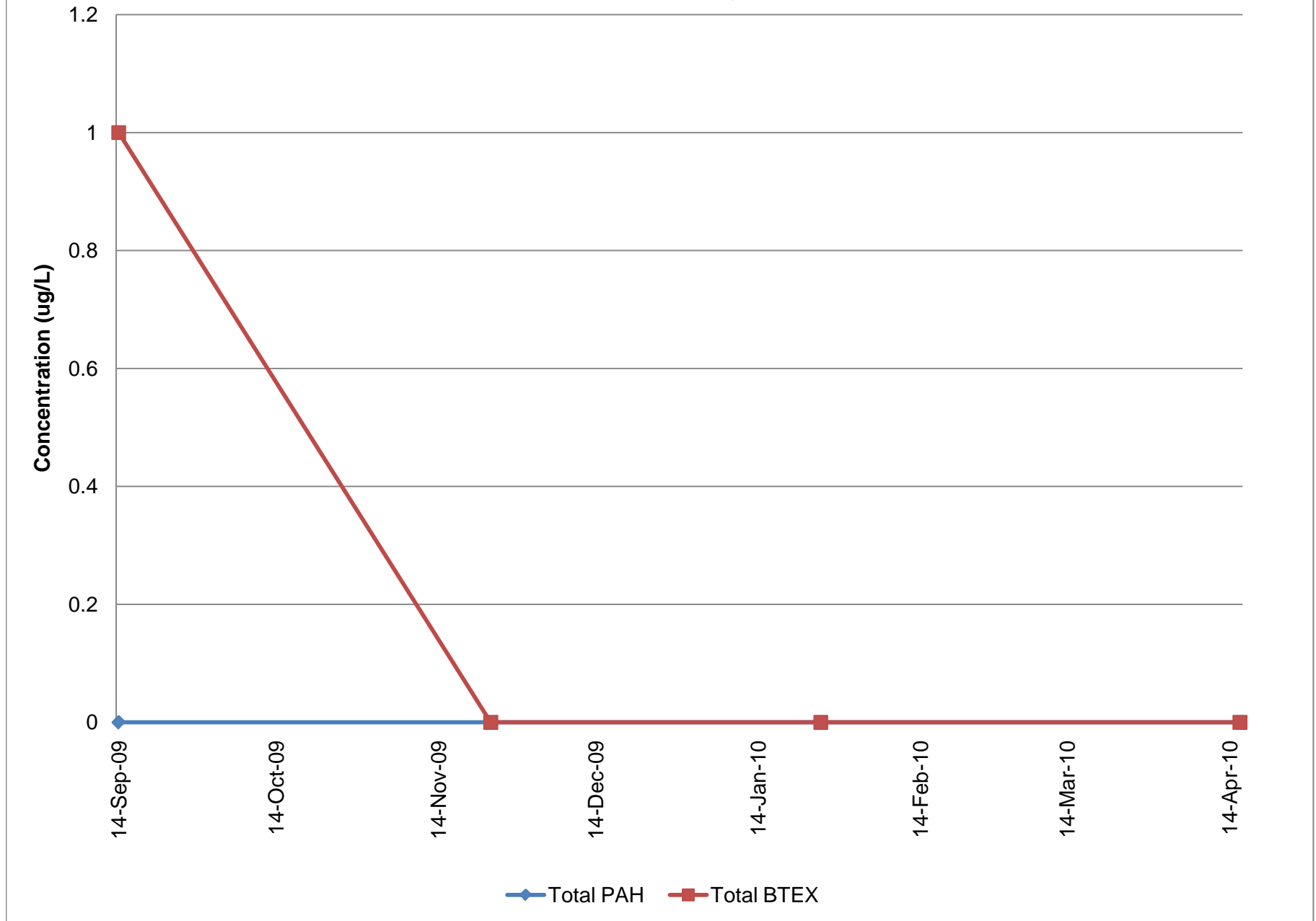
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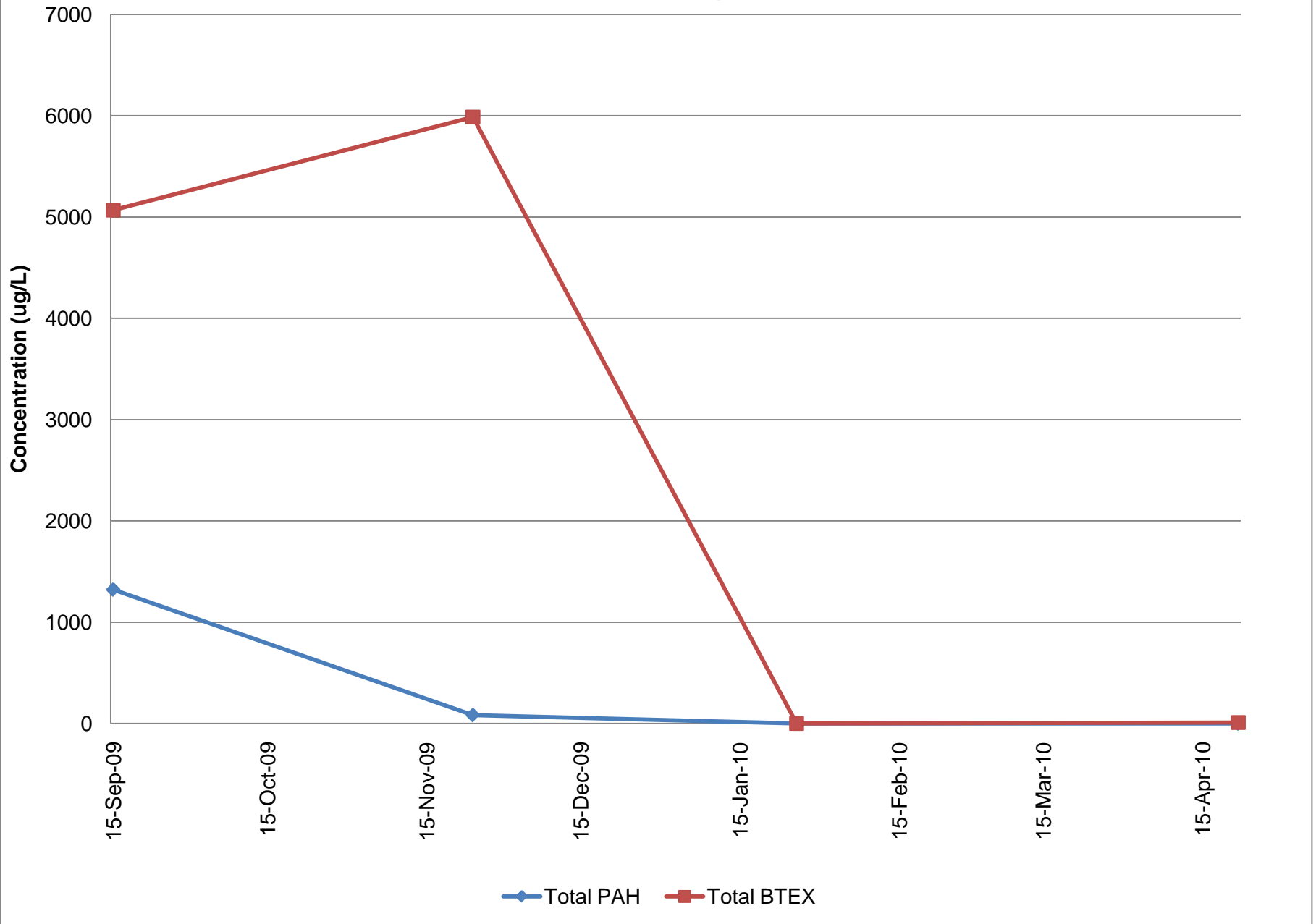
Monitoring Well BMW-39I2 45-50 ft bgs



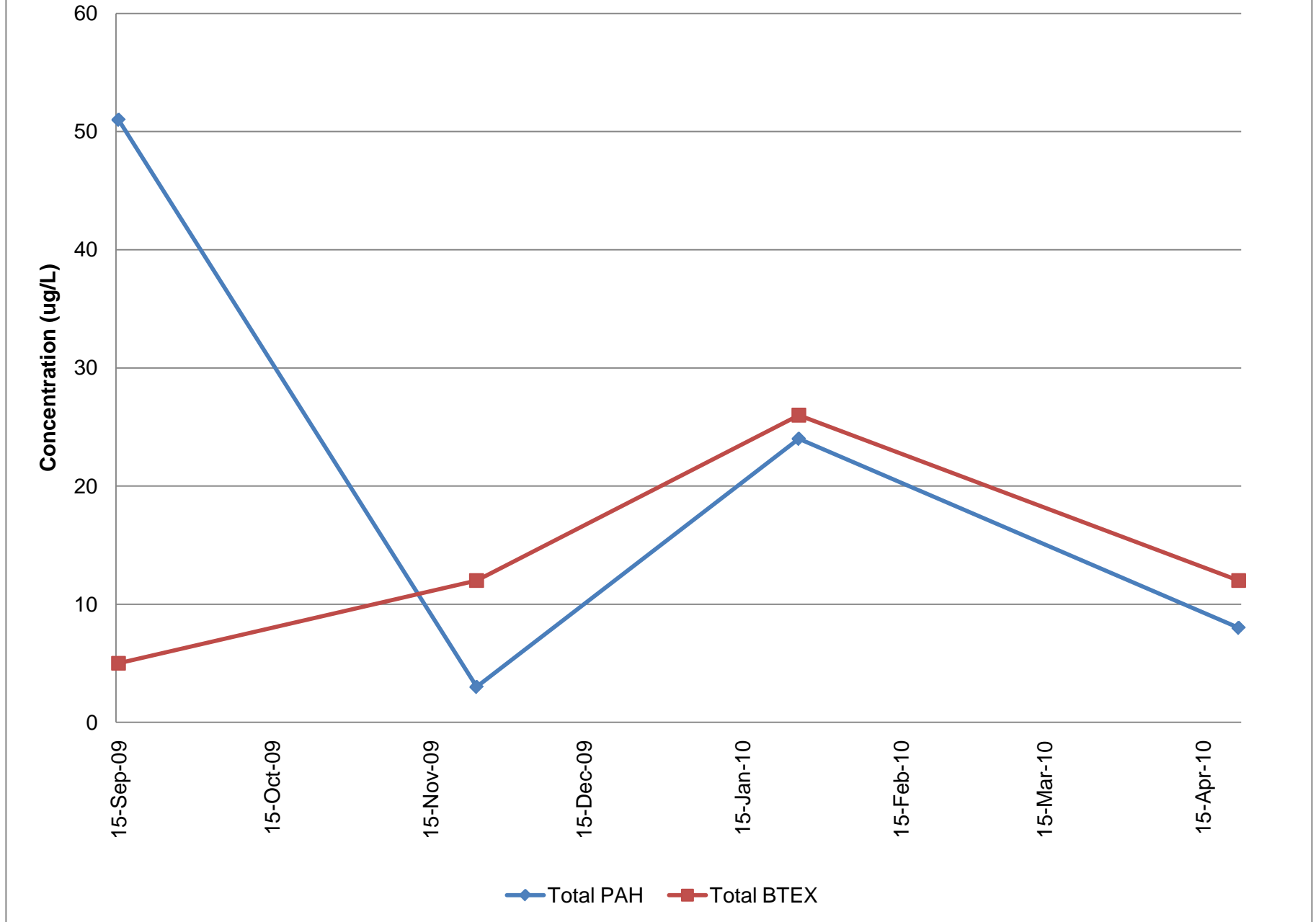
Monitoring Well BMW-39D 65-70 ft bgs



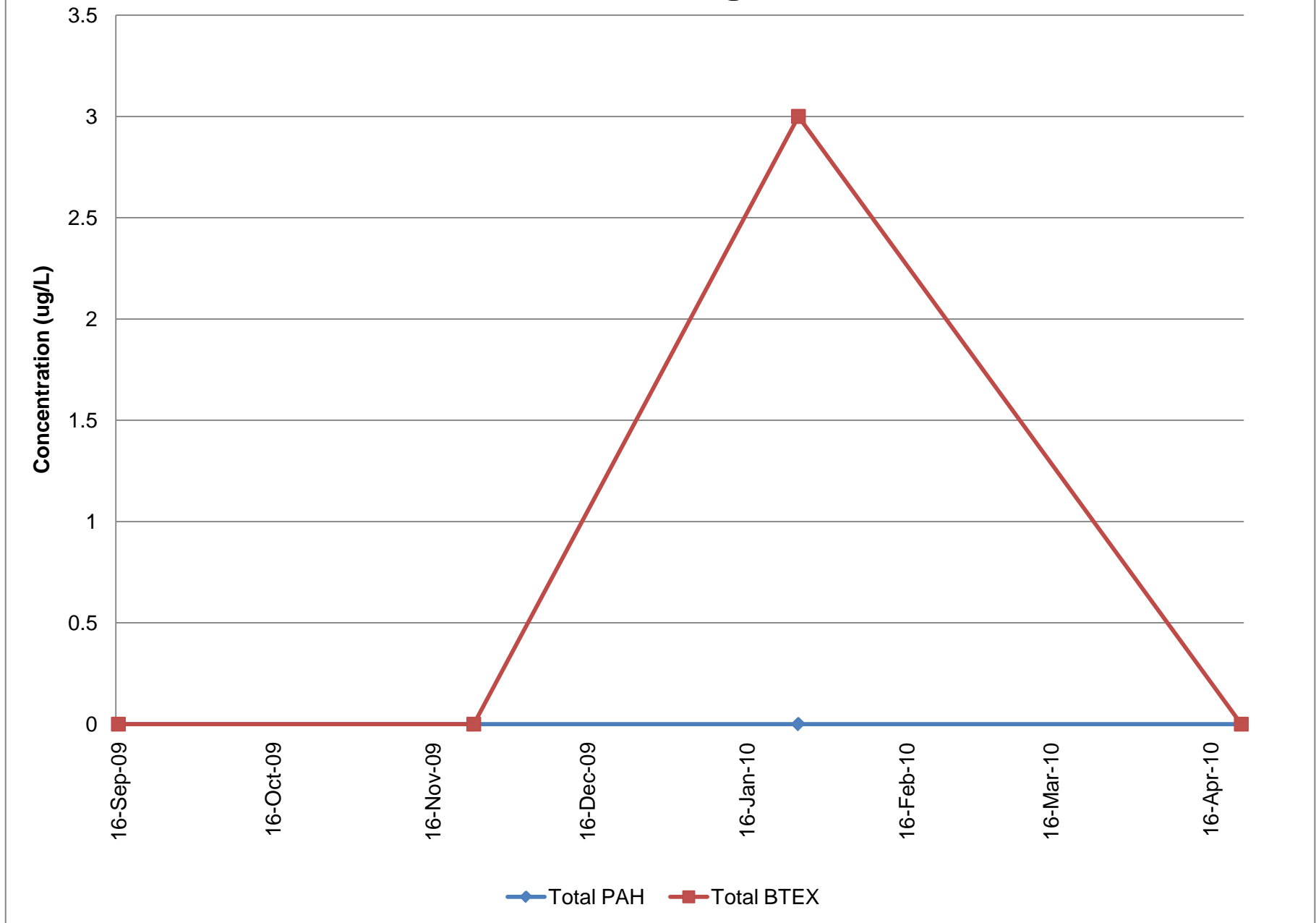
Monitoring Well BMW-40S 5-15 ft bgs



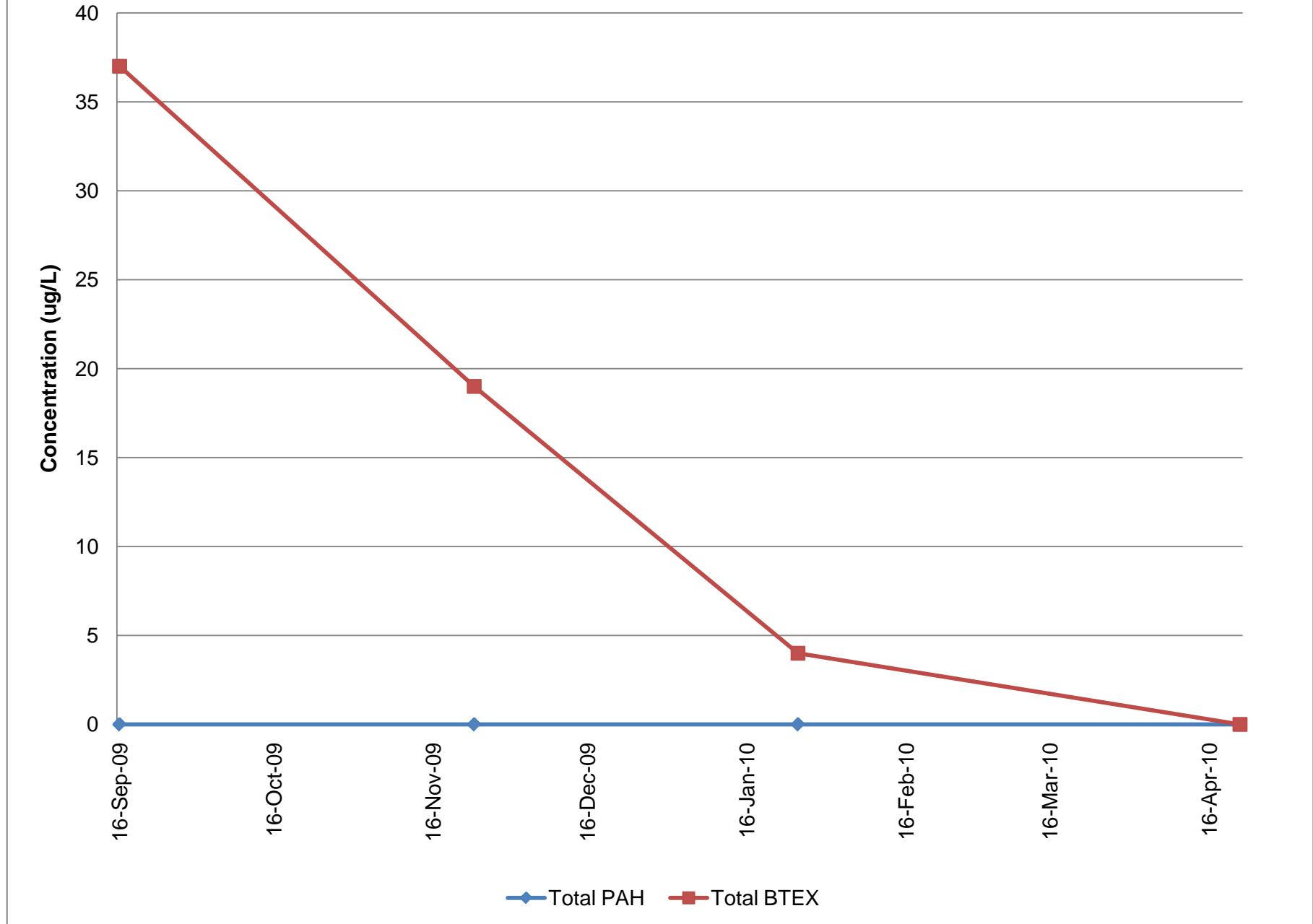
Monitoring Well BMW-40I 25-30 ft bgs



Monitoring Well BMW-40I2 45-50 ft bgs



Monitoring Well BMW-40D 70-75 ft bgs

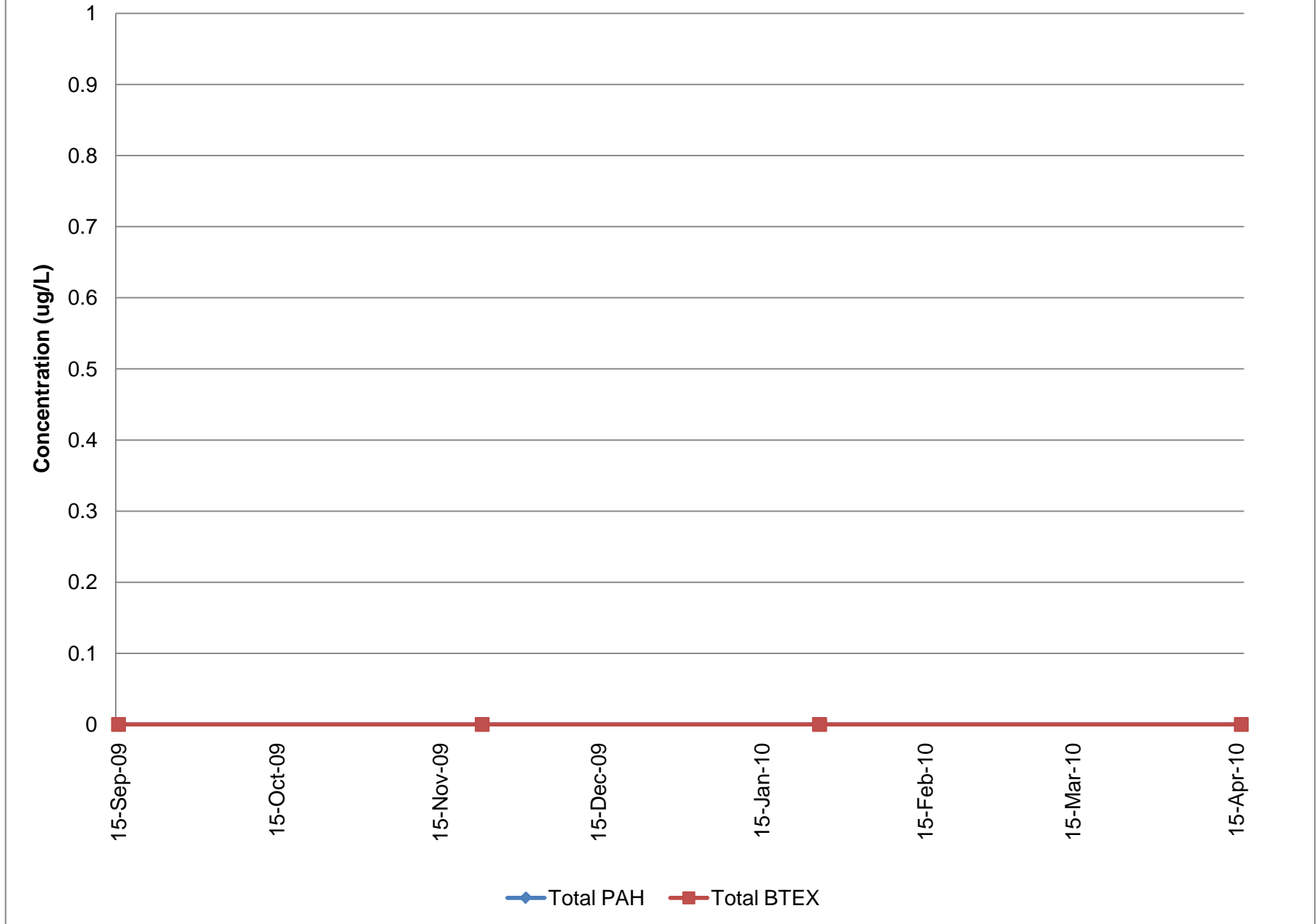


Monitoring Well BMW-41S 6-16 ft bgs

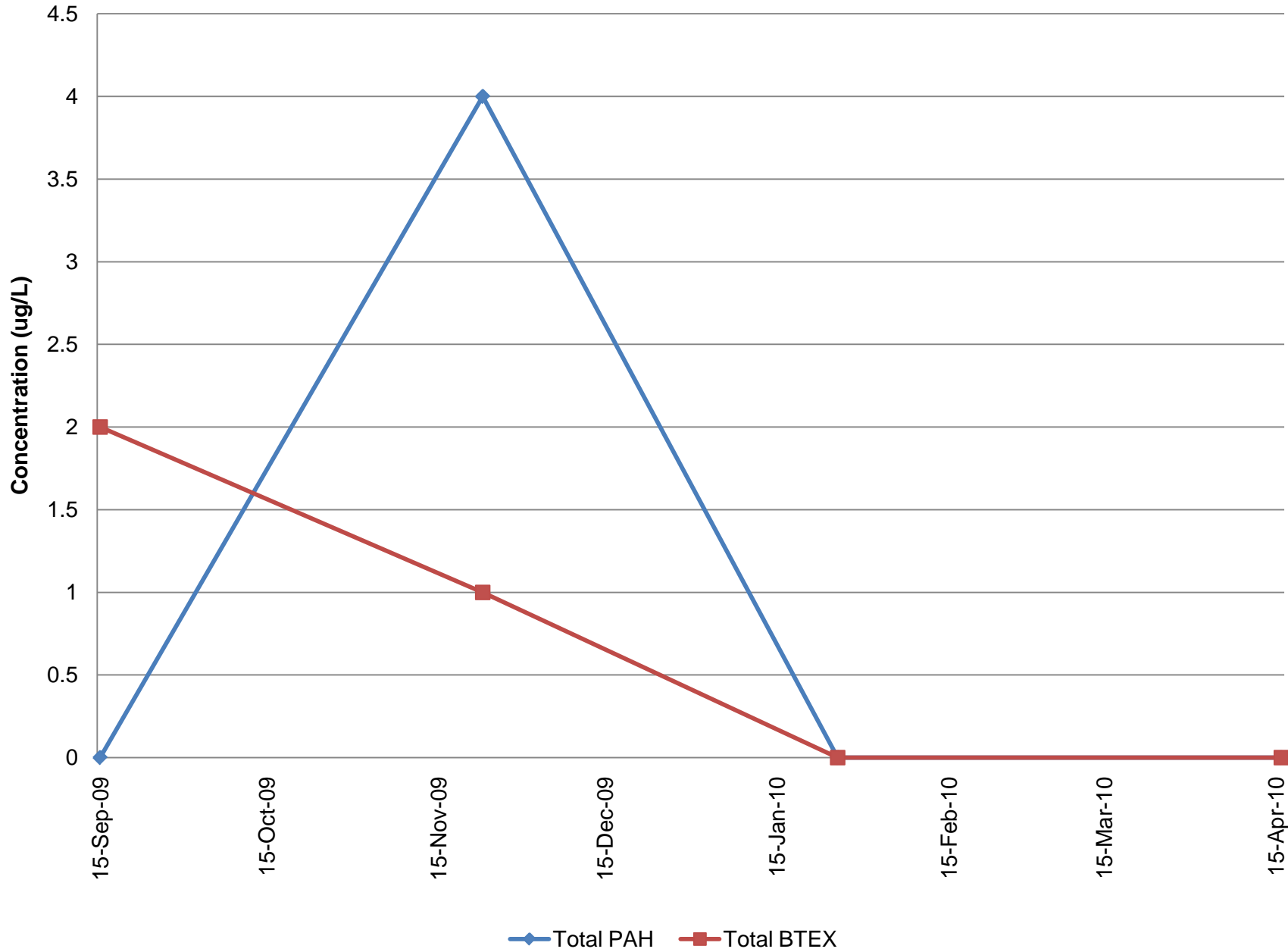


Monitoring Well BMW-41I

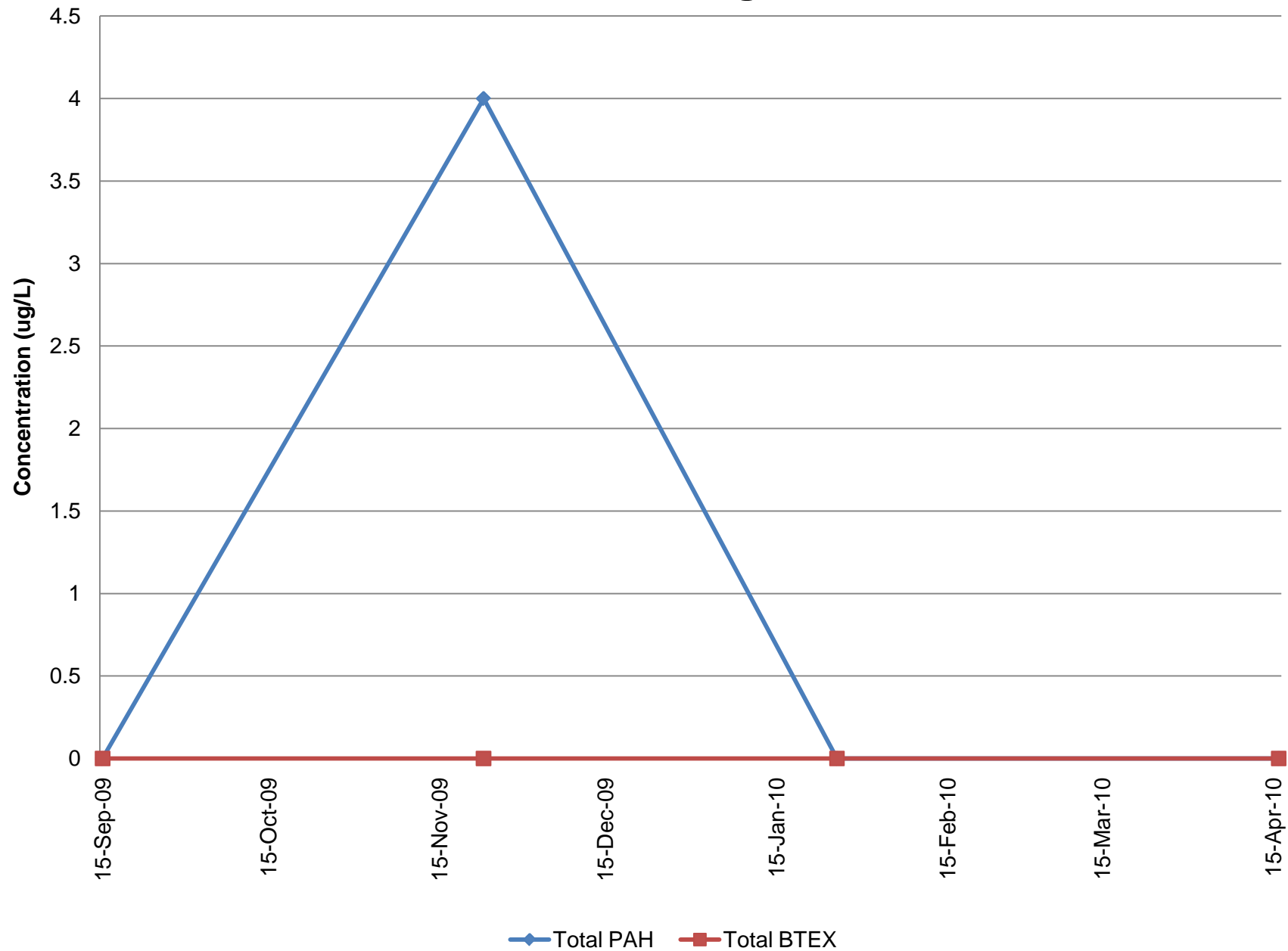
25-30 ft bgs



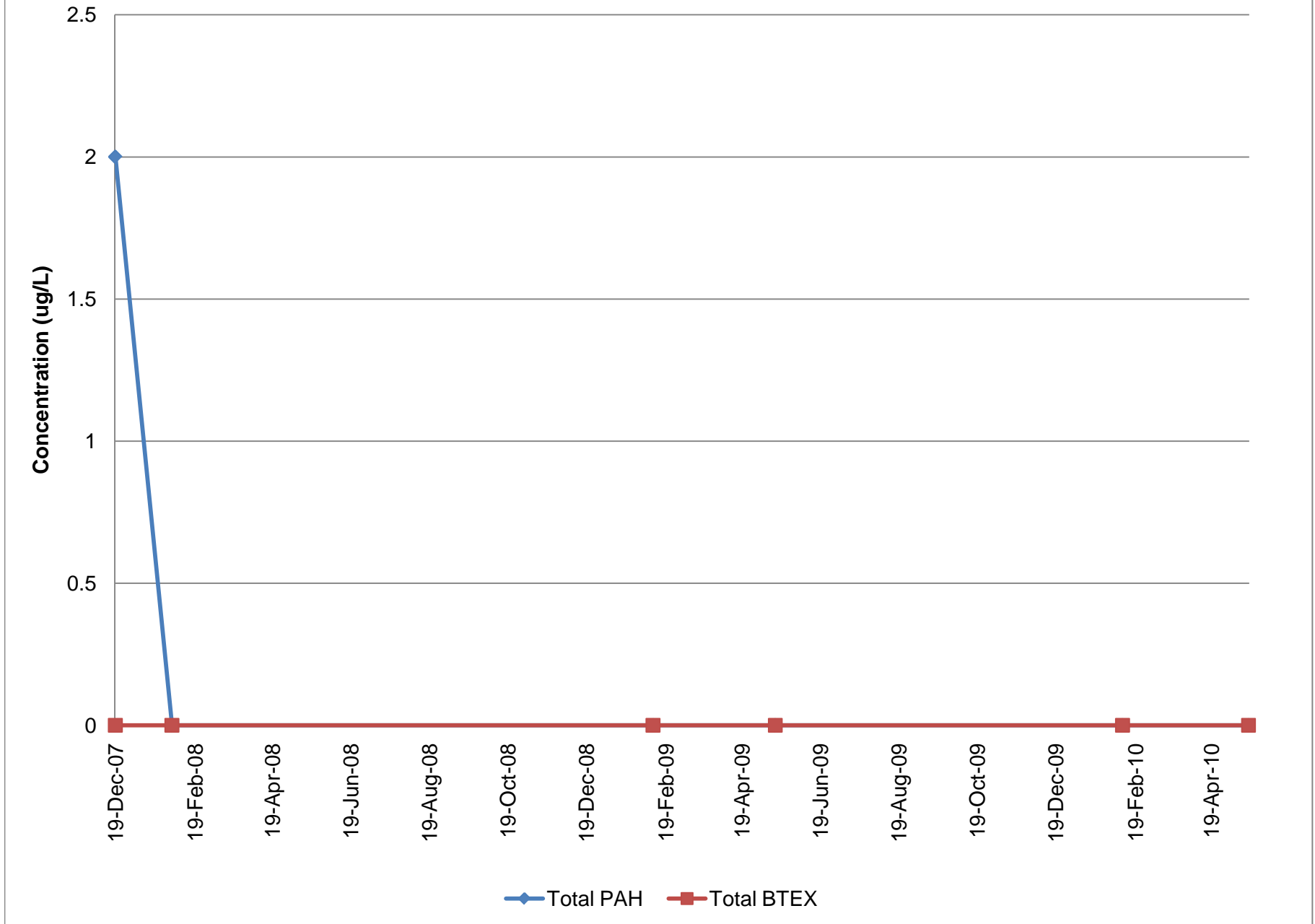
Monitoring Well BMW-41I2 45-50 ft bgs



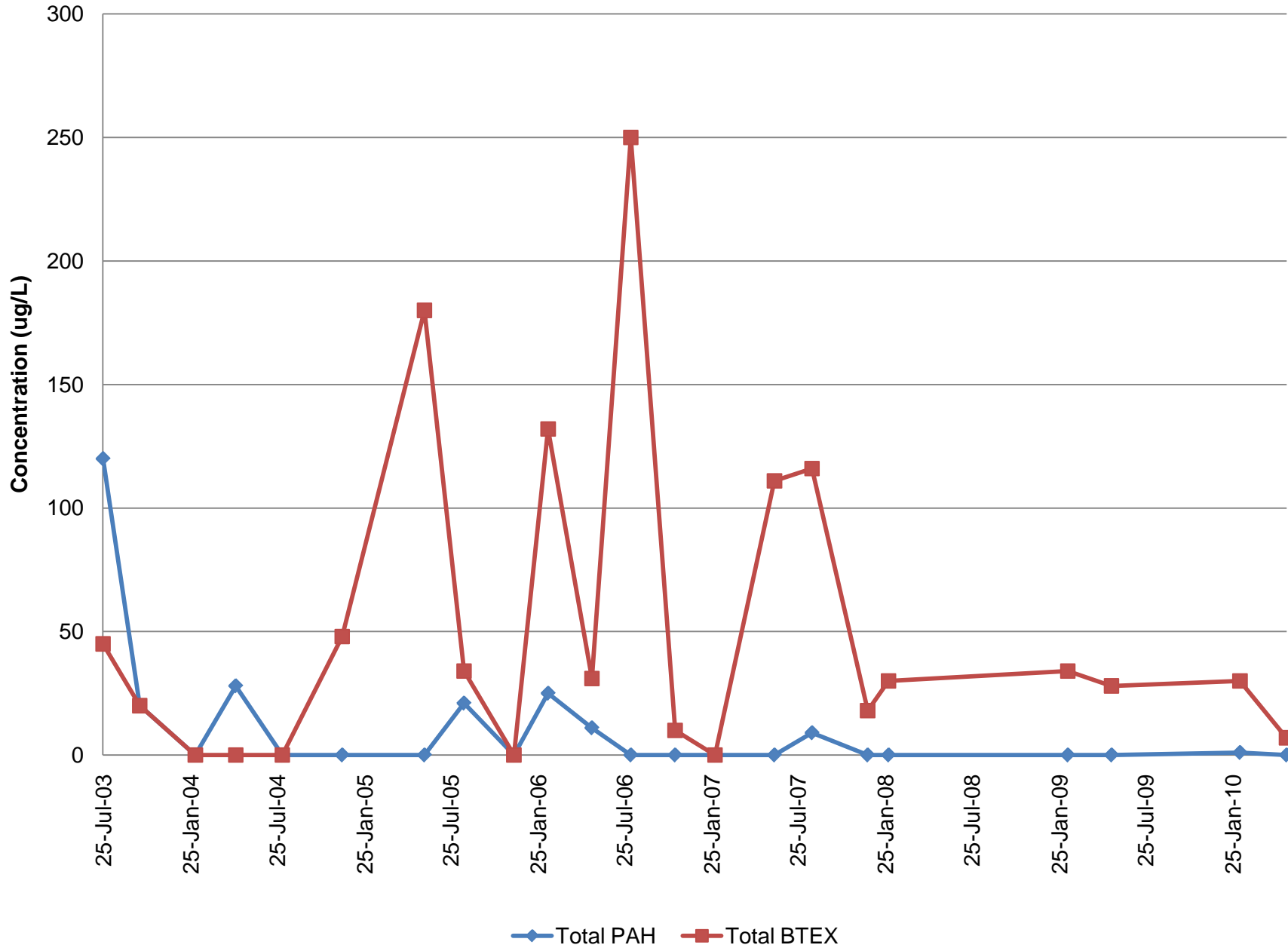
Monitoring Well BMW-41D 65-70 ft bgs



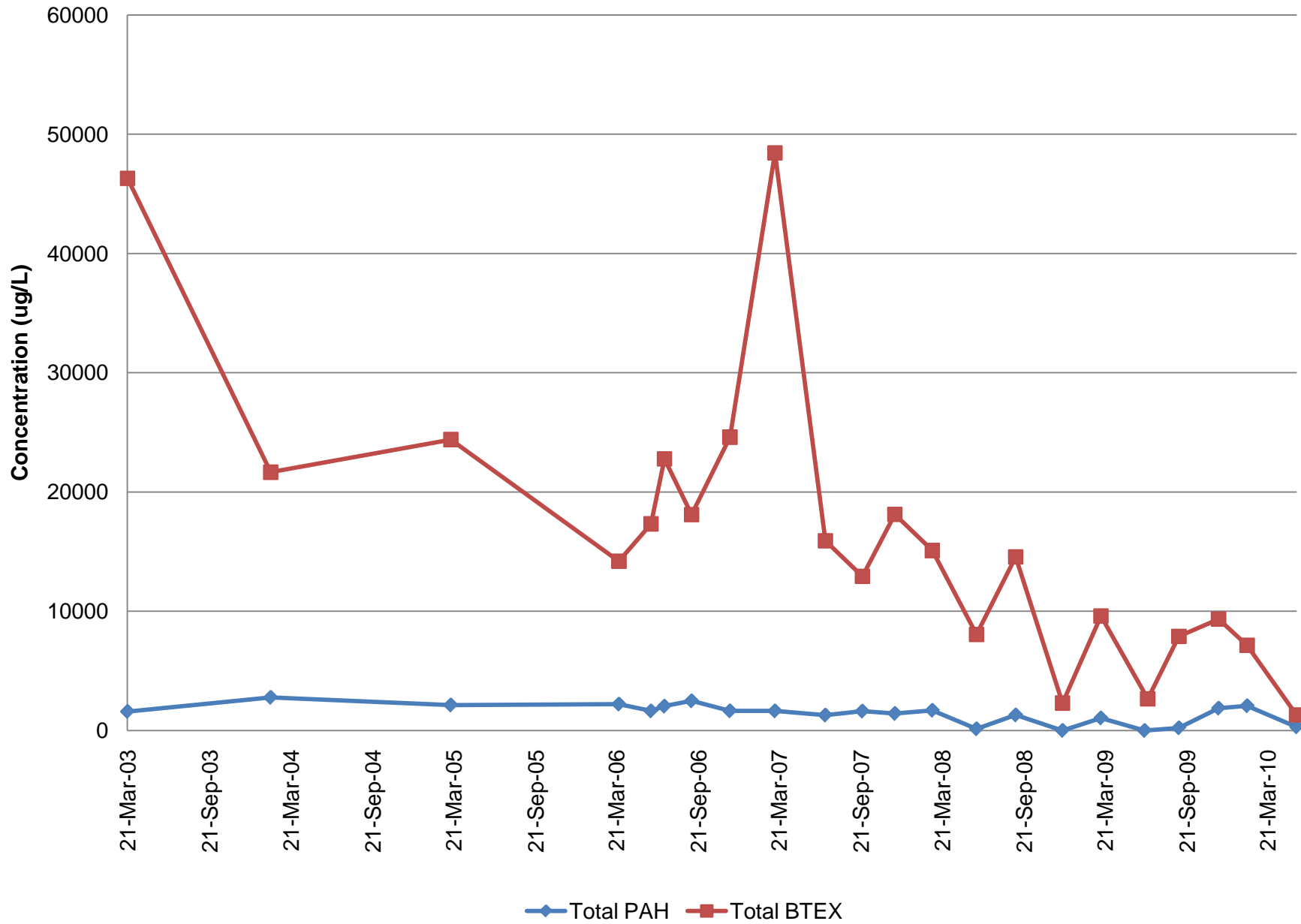
Monitoring Well MW-03D 35-45 ft bgs



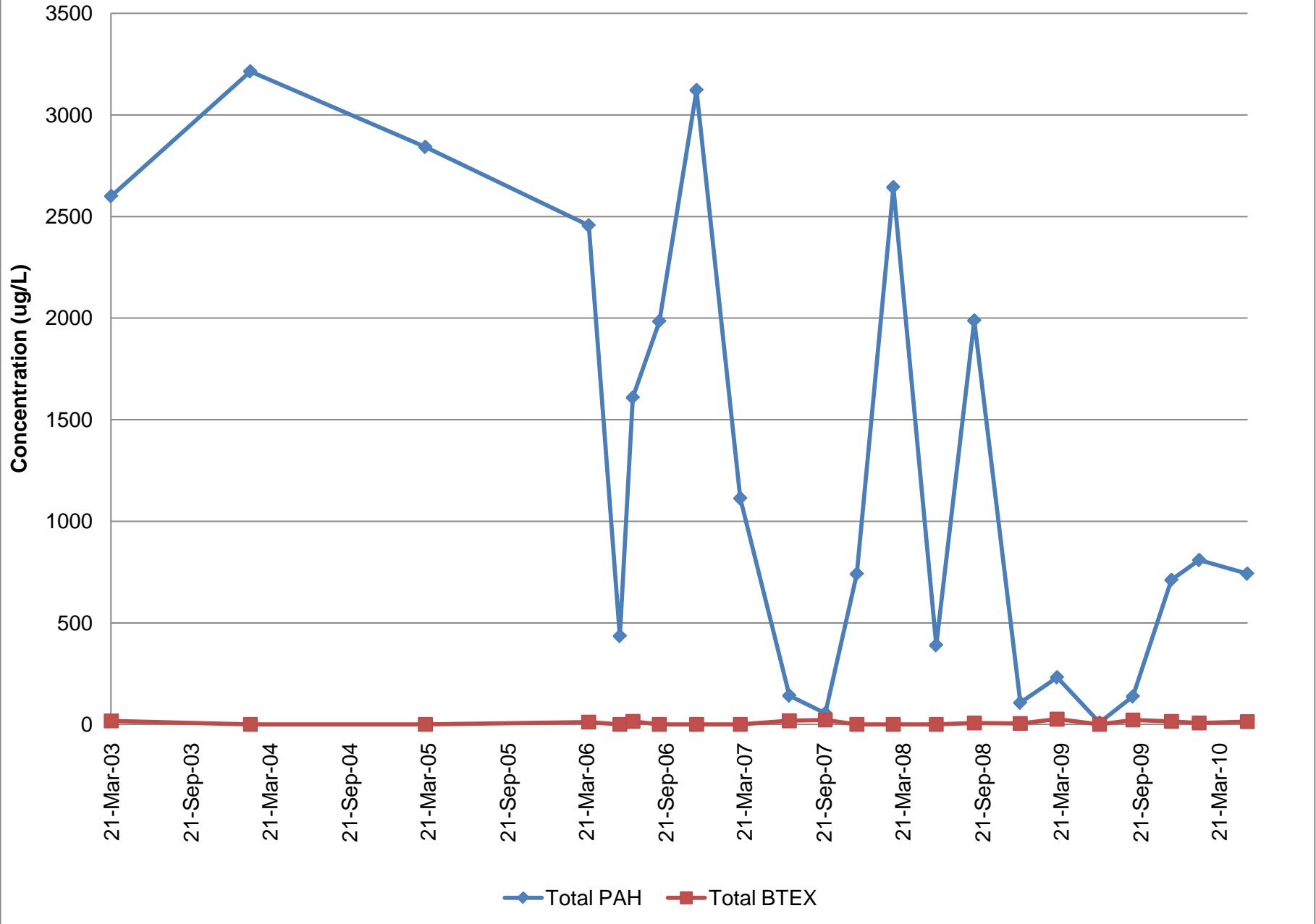
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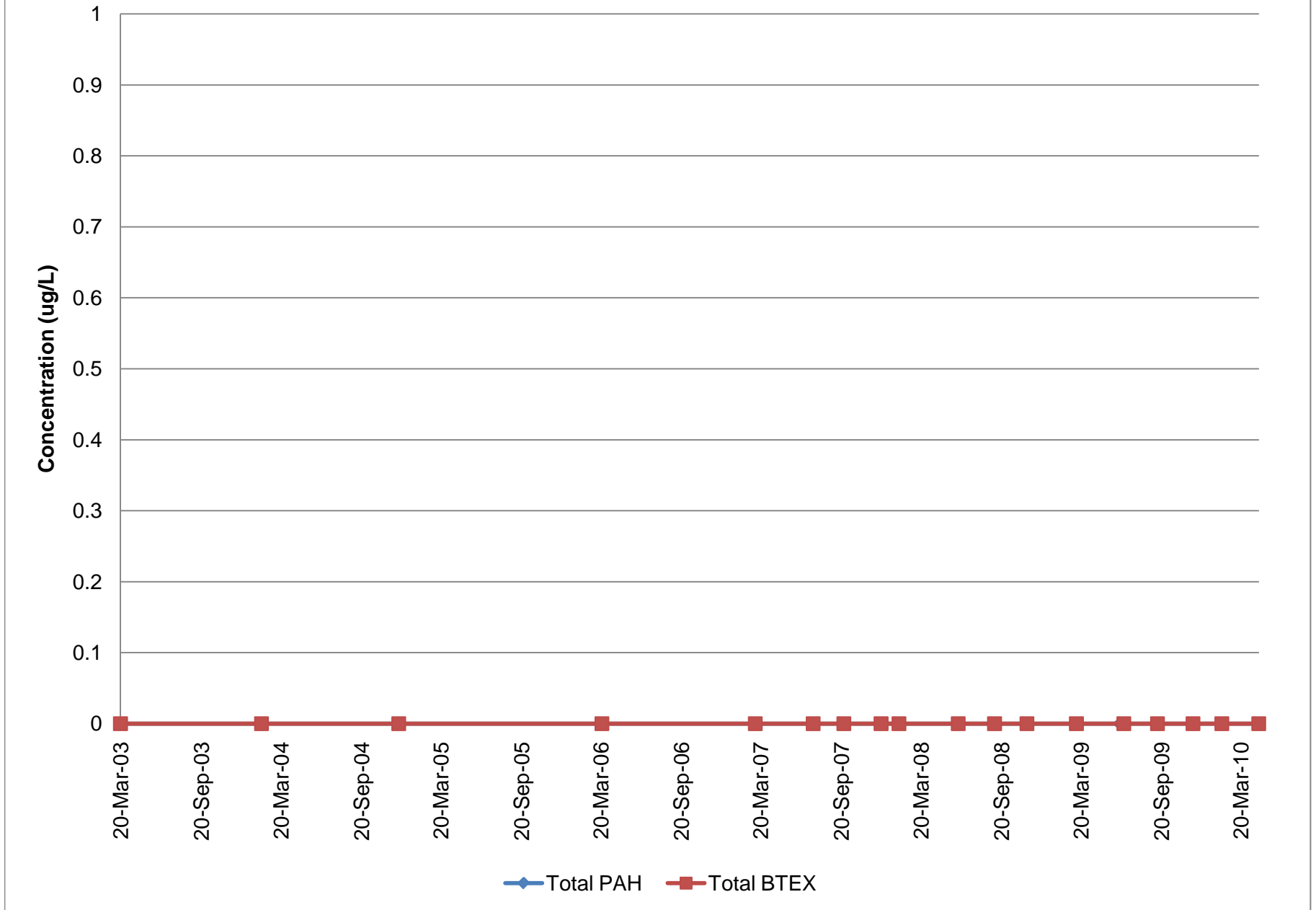
Monitoring Well MW-05S 4-14 ft bgs



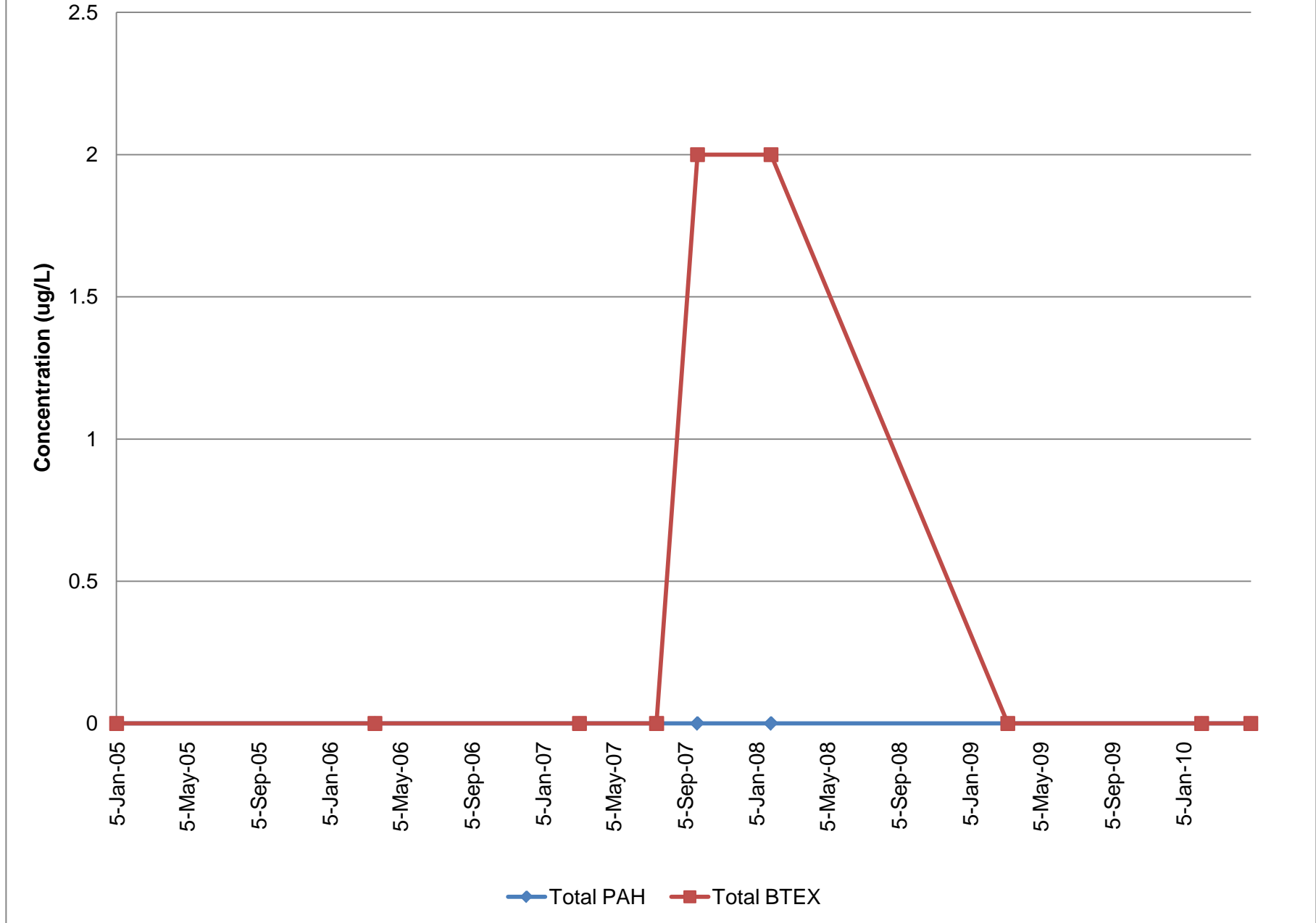
Monitoring Well MW-05D 35.5 - 45.5 ft bgs



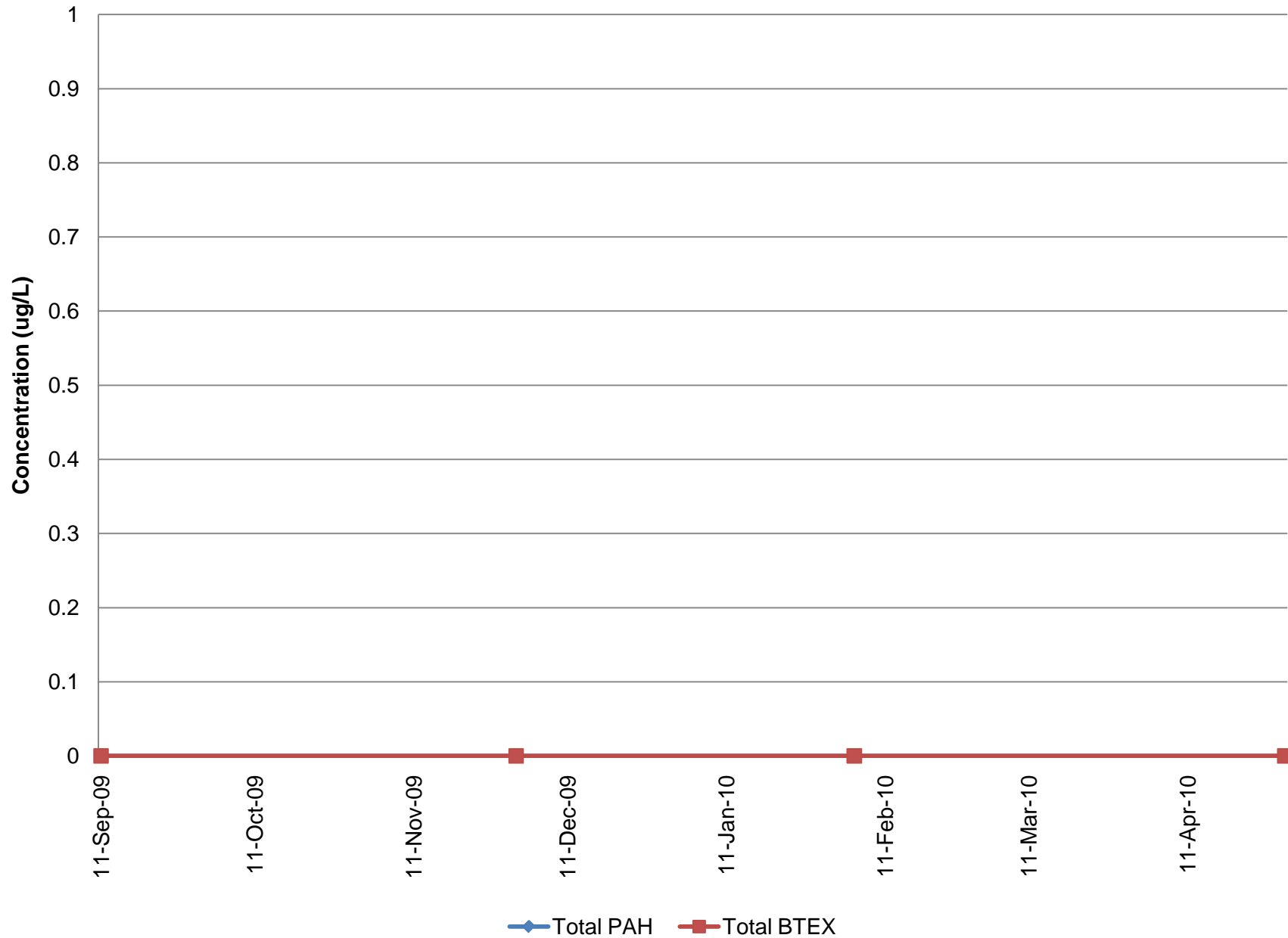
Monitoring Well MW-09S 4-14 ft bgs



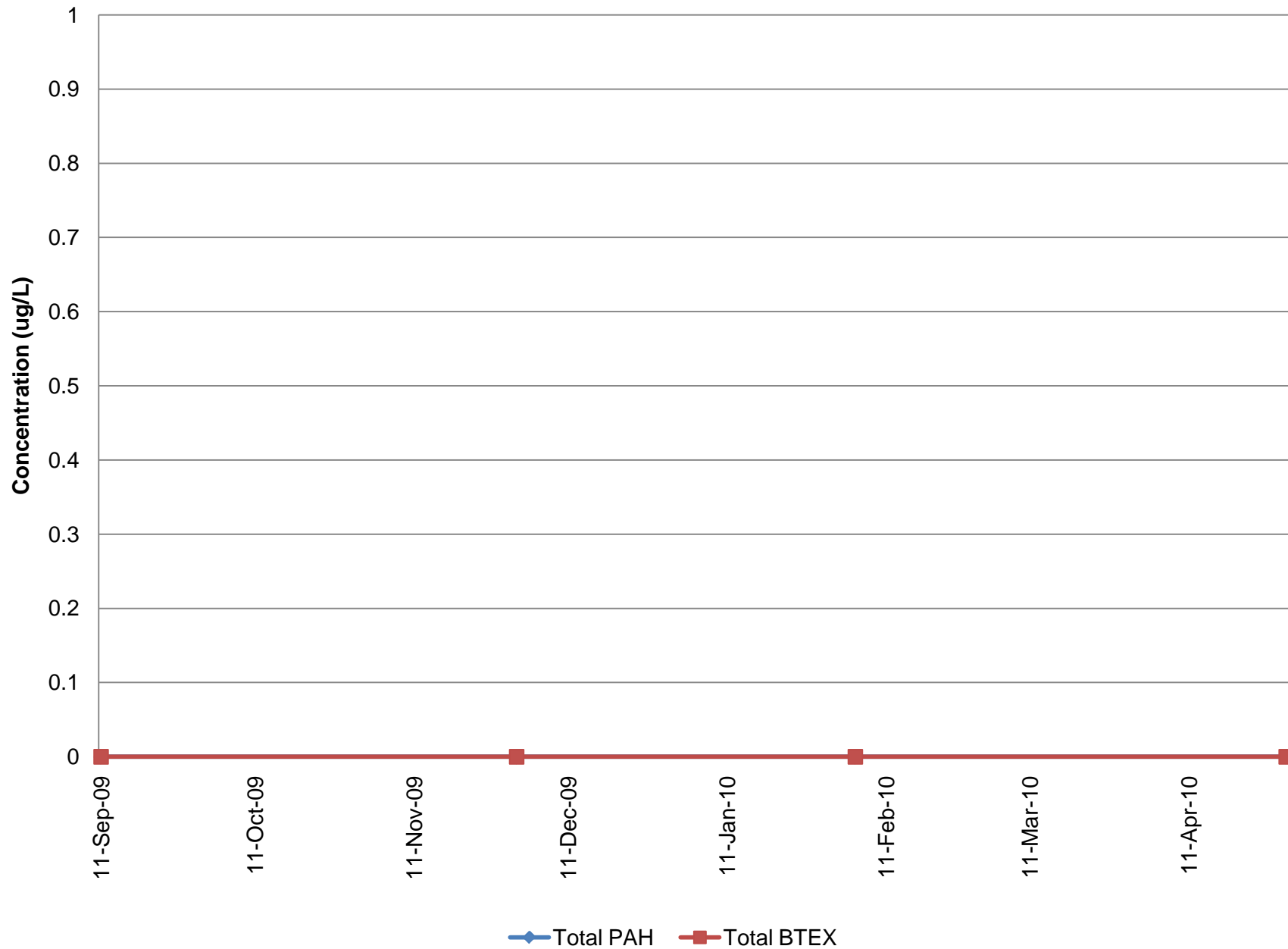
Monitoring Well MW-09I 30-40 ft bgs



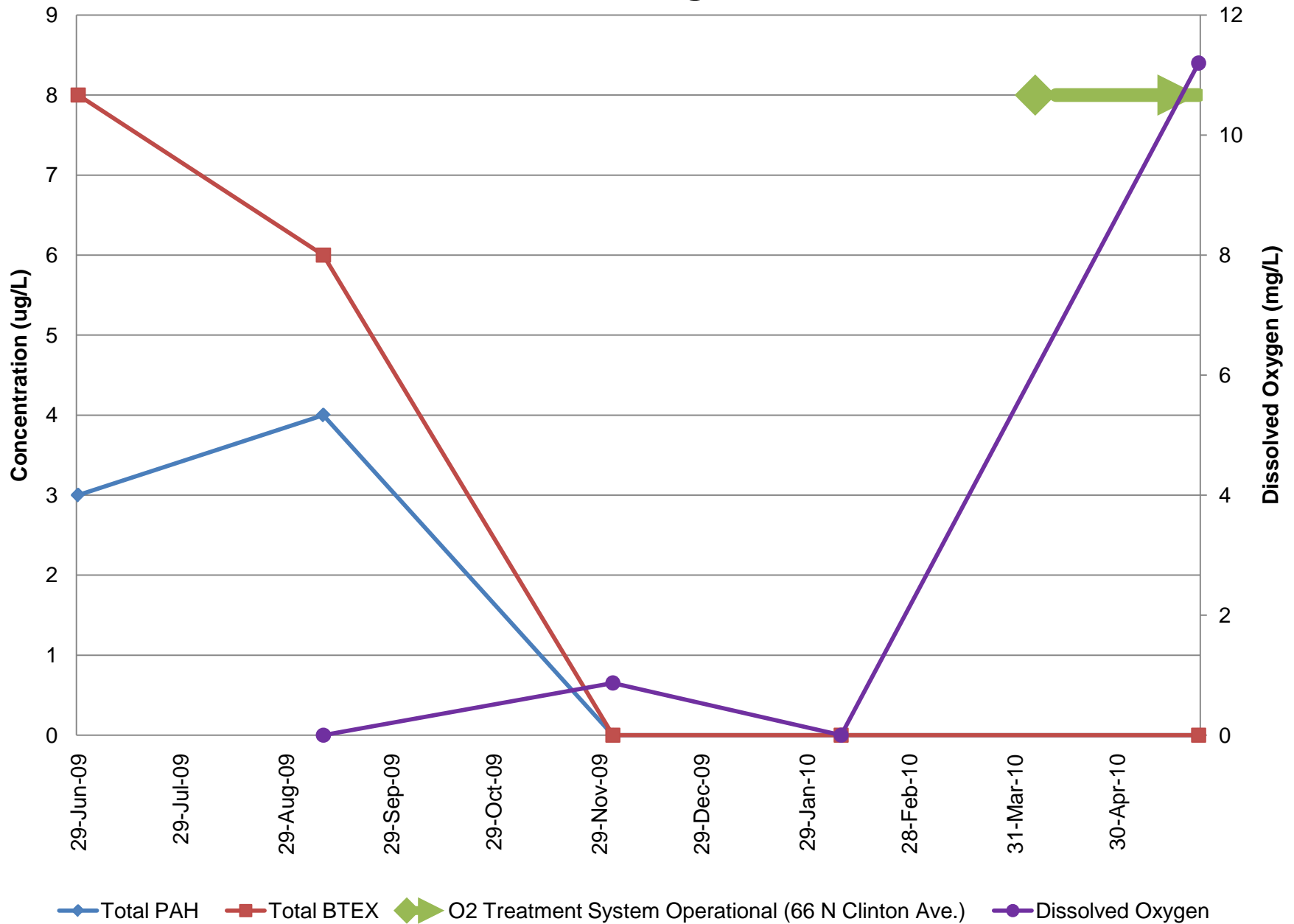
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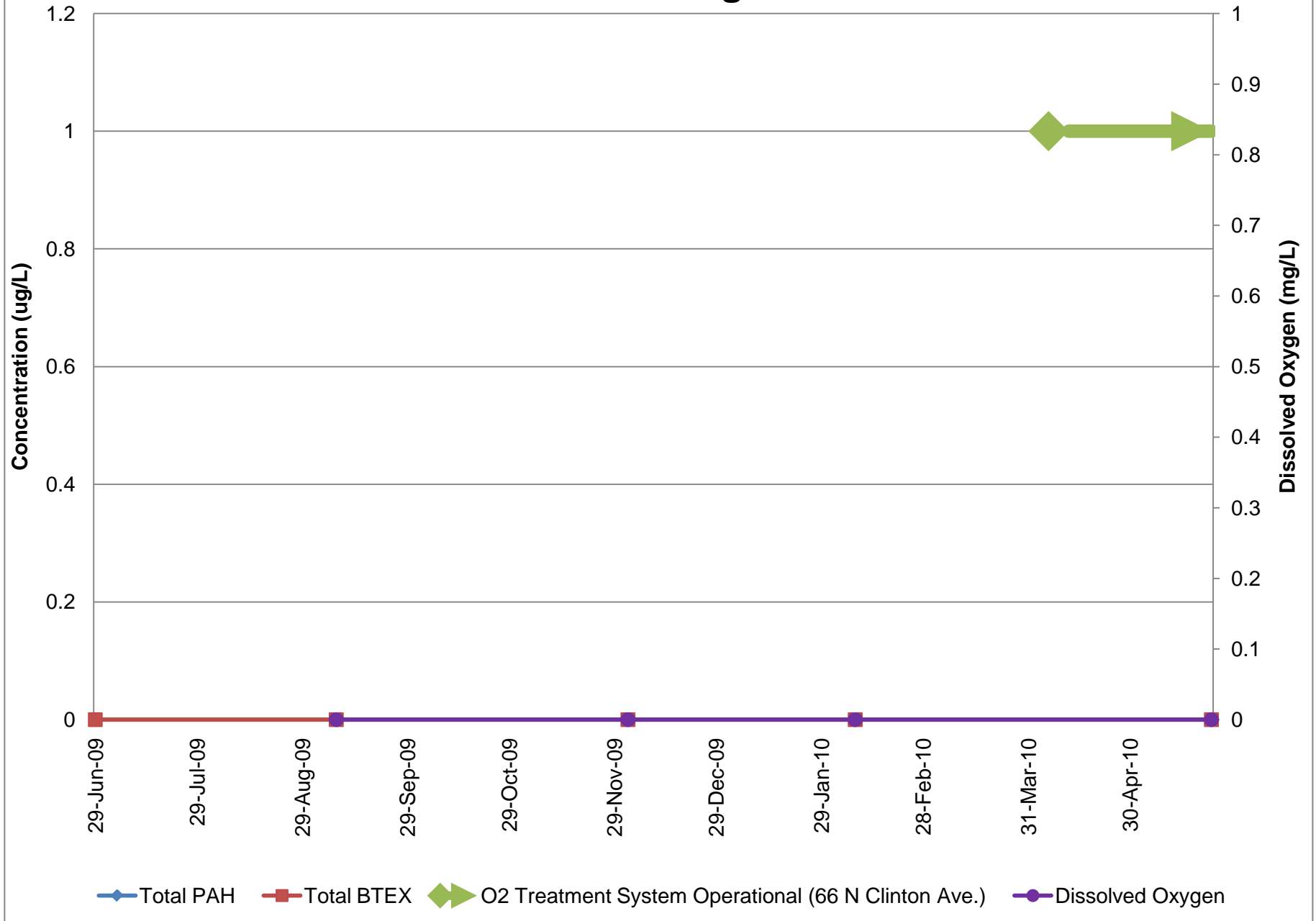
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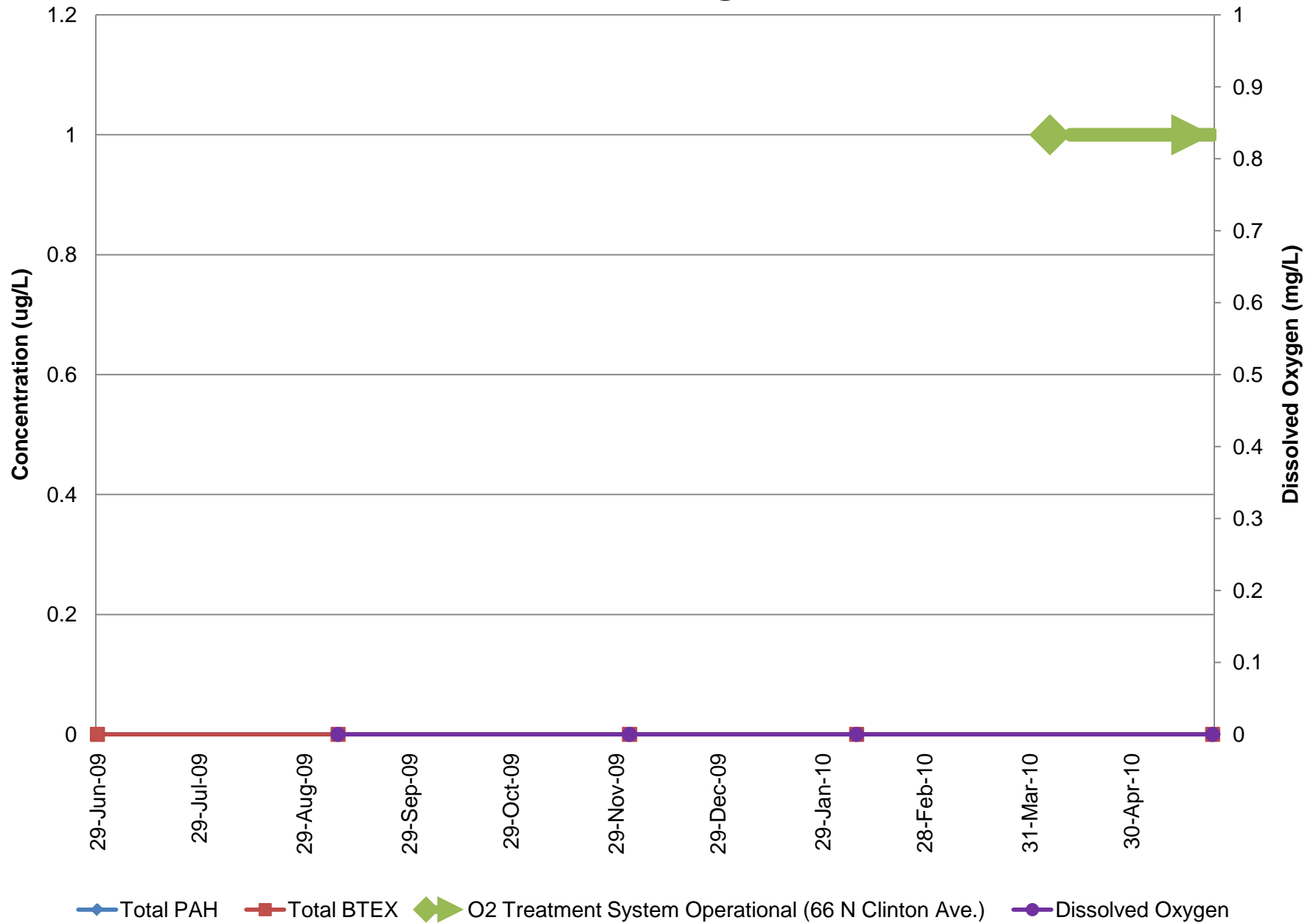
Monitoring Well OU2MW-48S 3-13 ft bgs



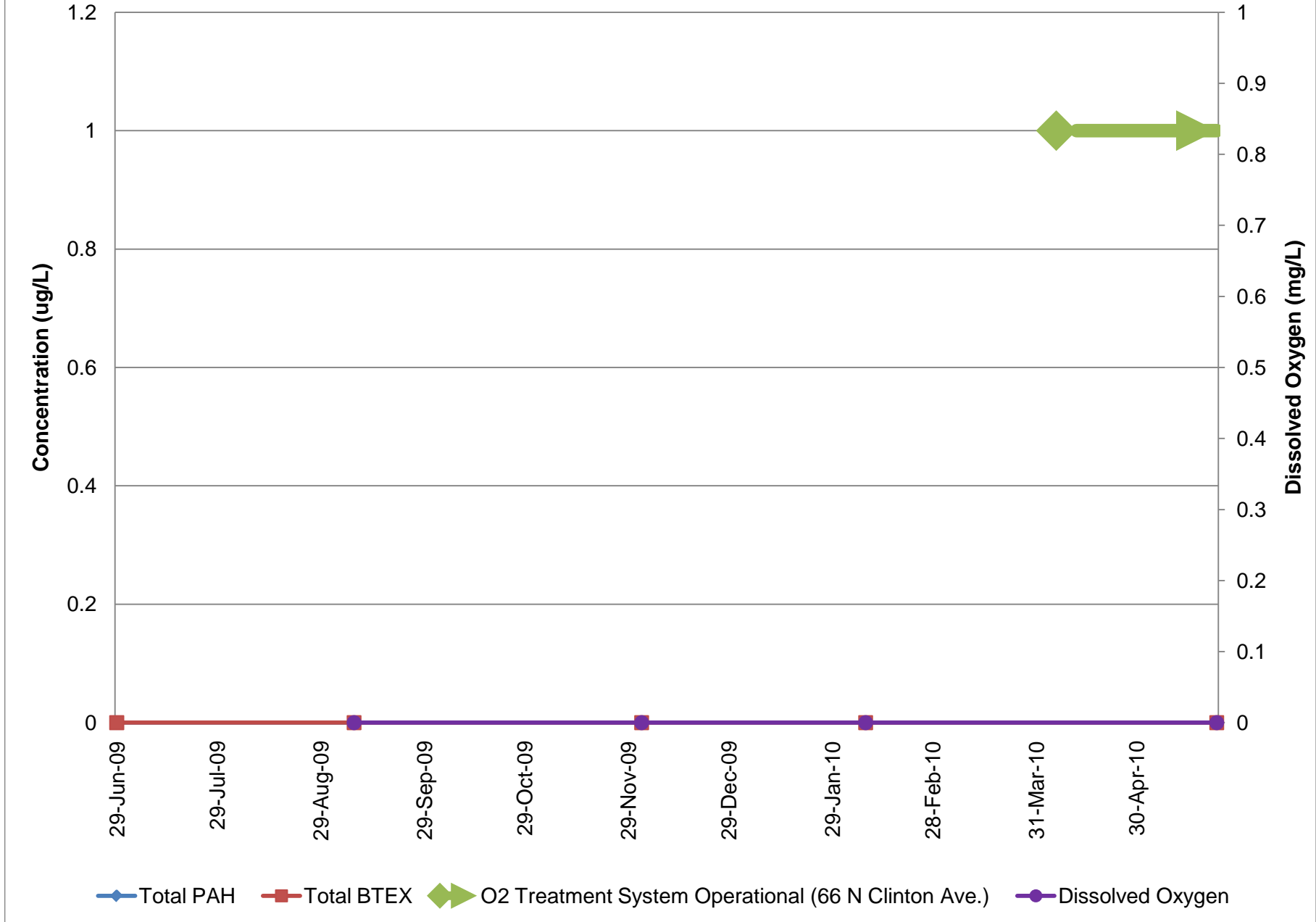
Monitoring Well OU2MW-48I 25-30 ft bgs



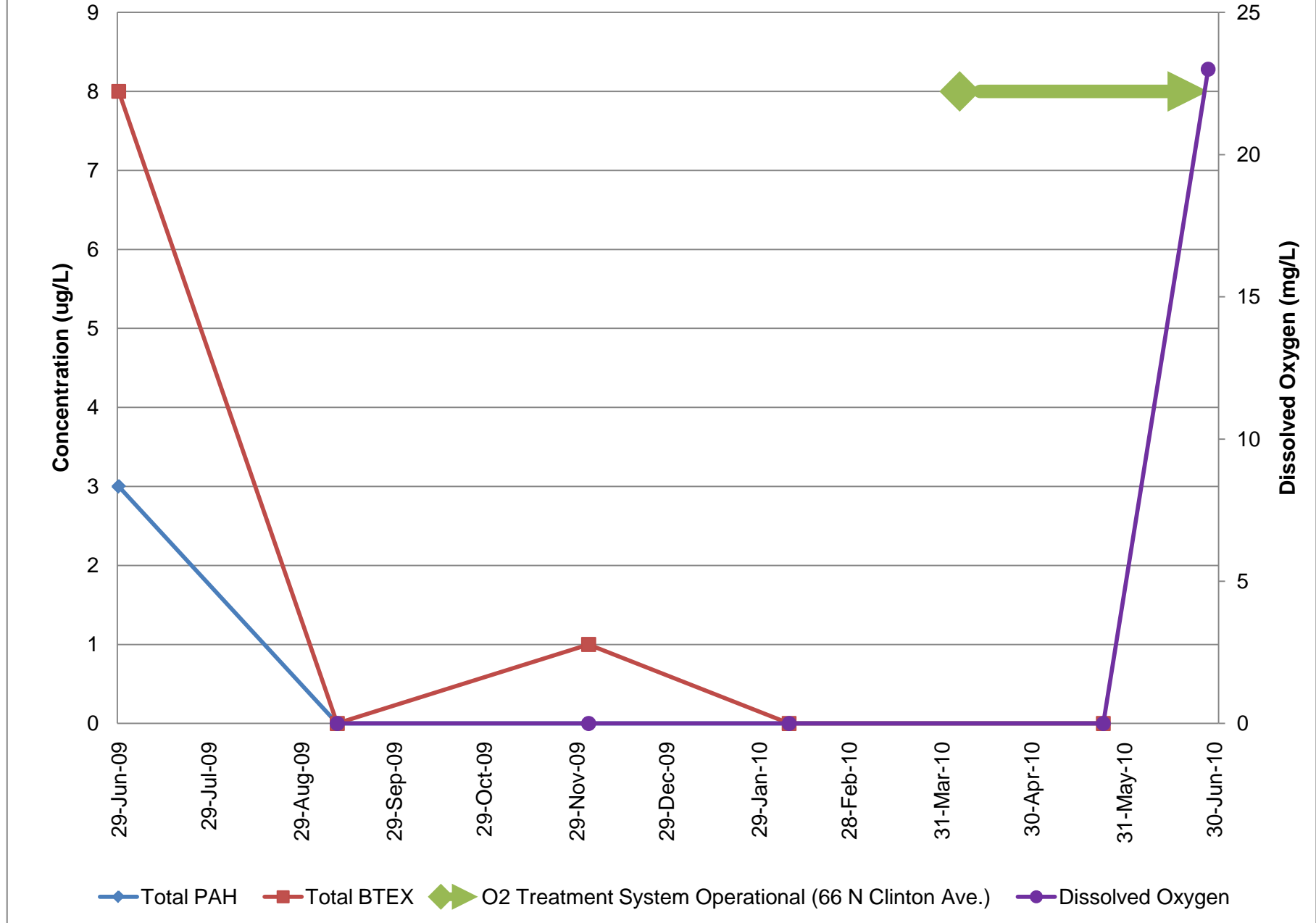
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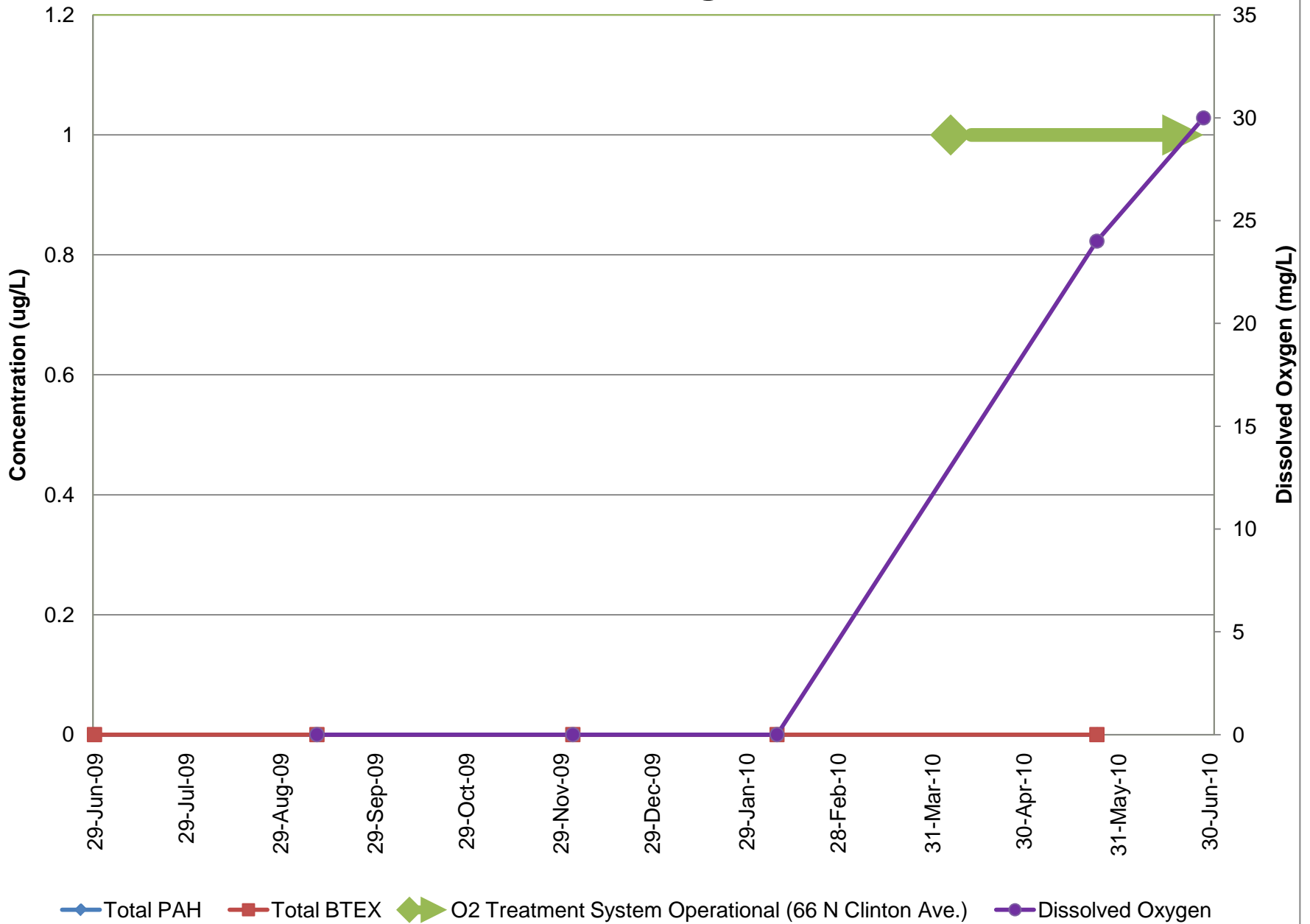
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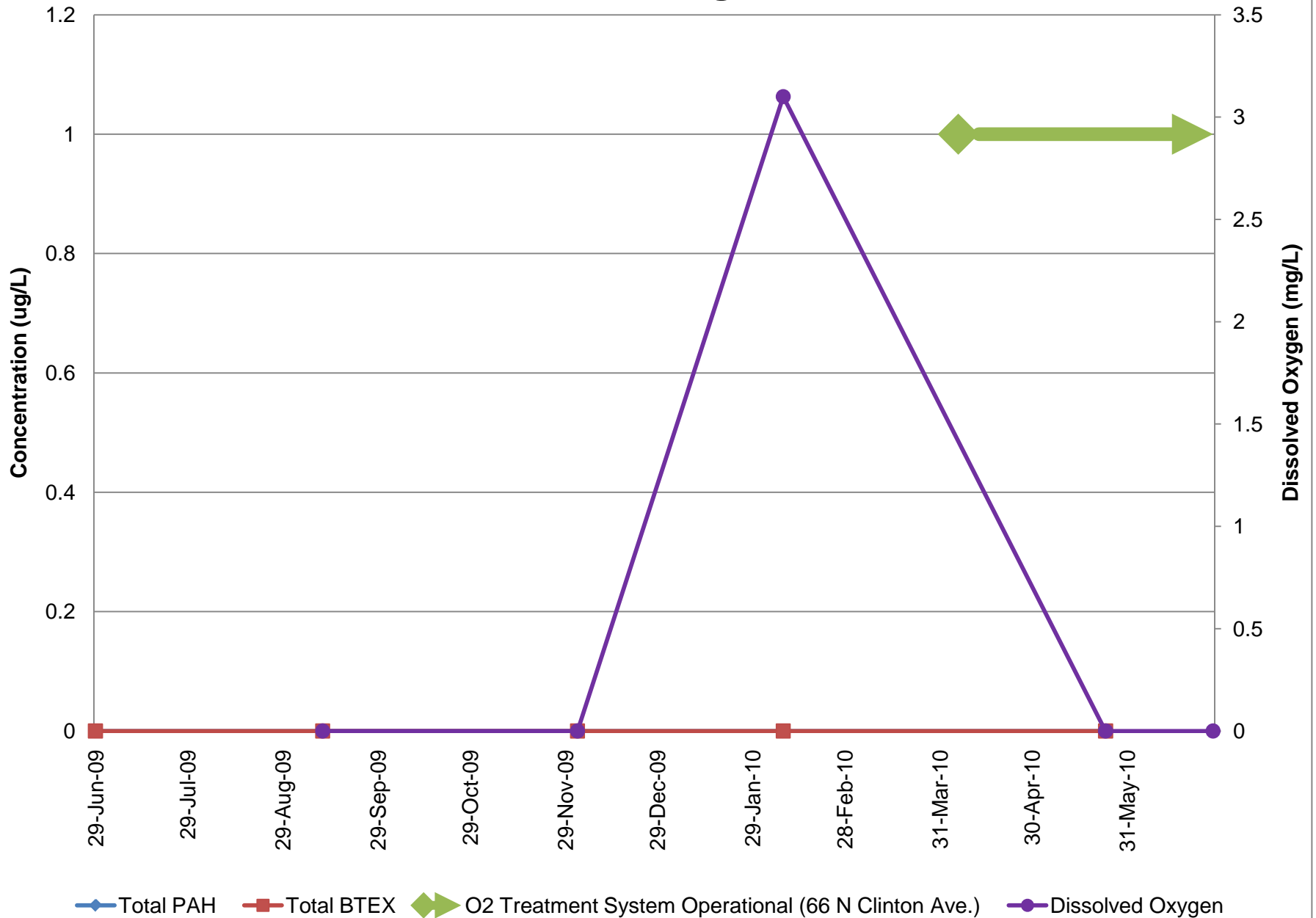
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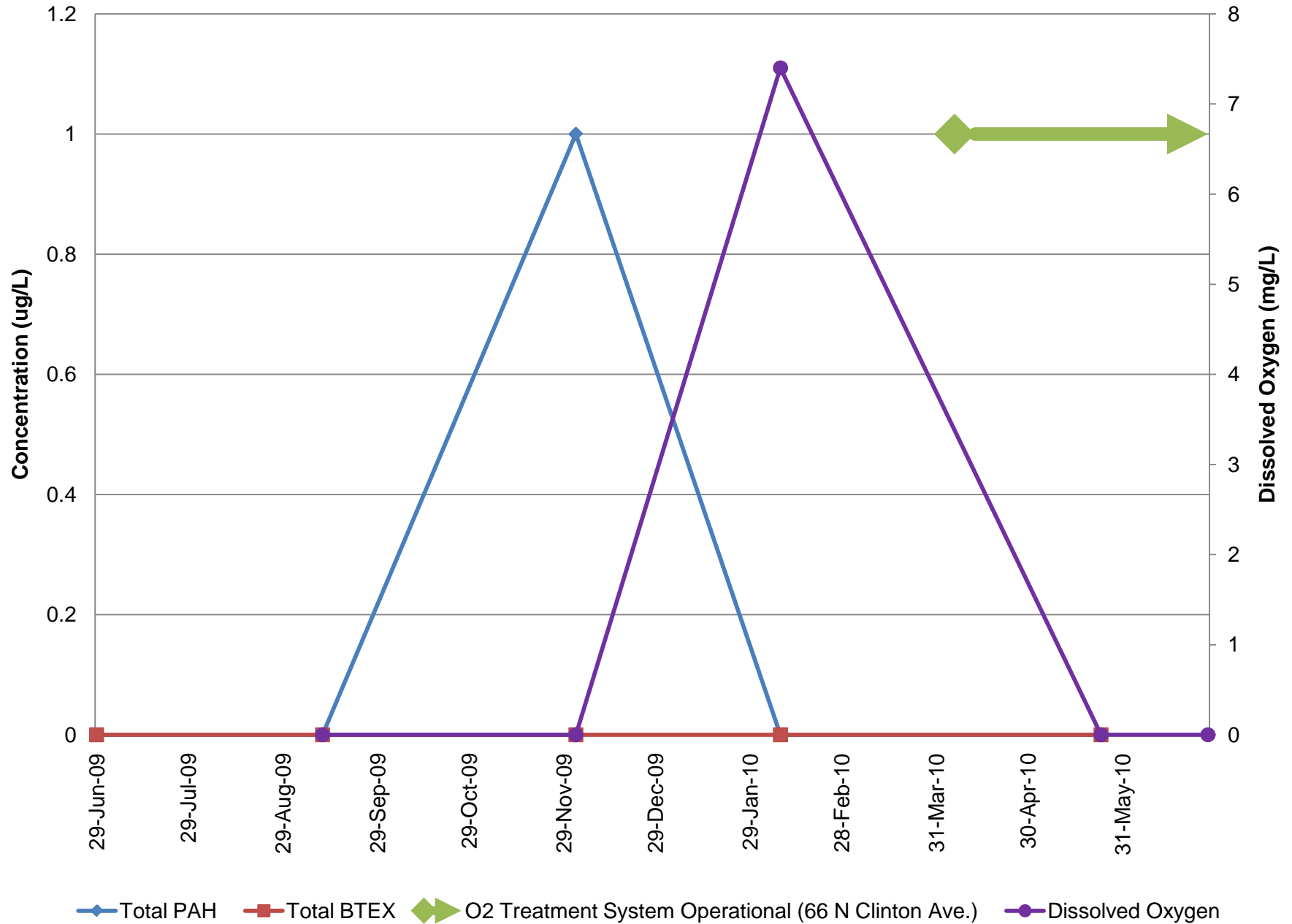
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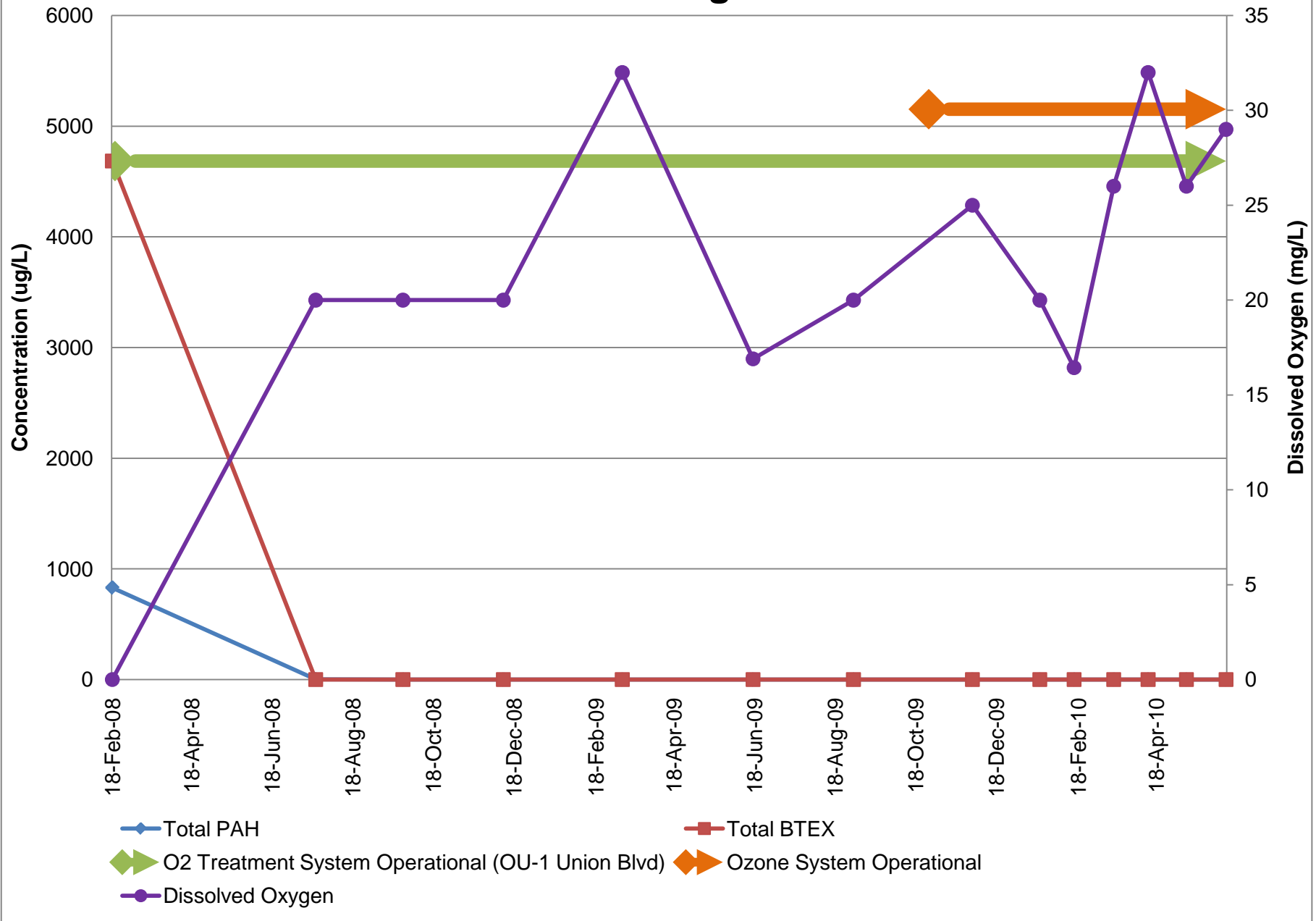
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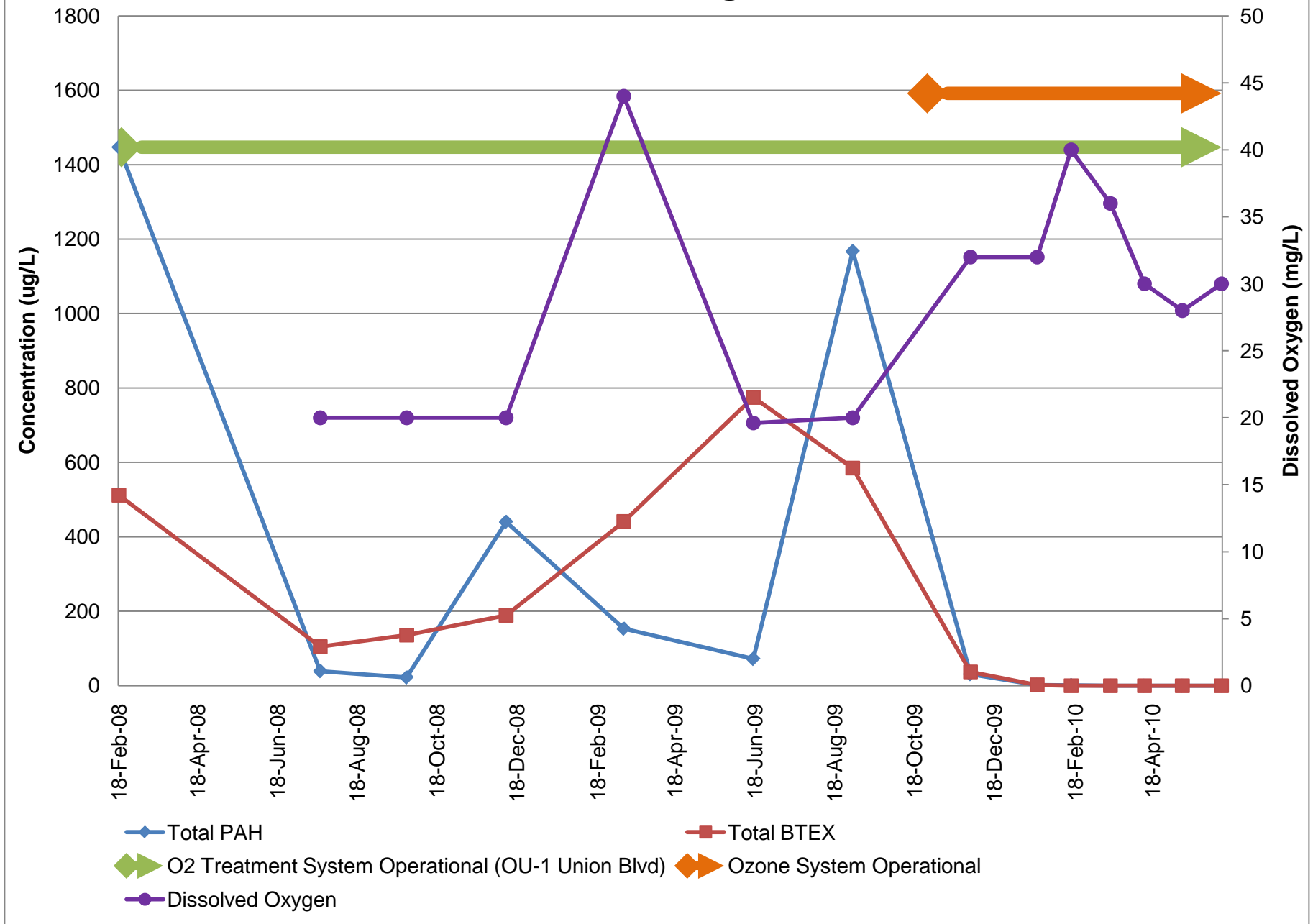
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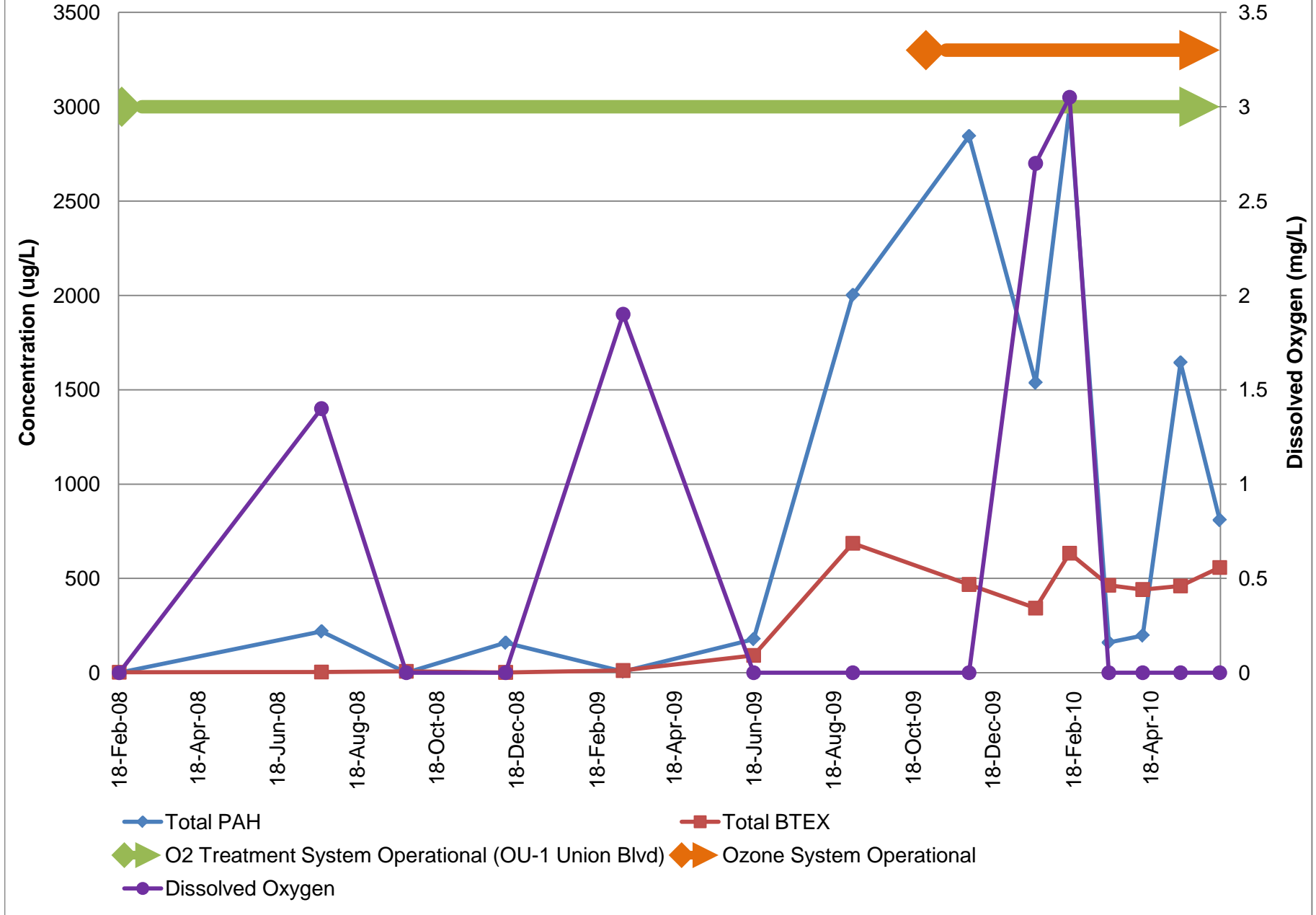
Monitoring Well OZMW-16S 5-15 ft bgs



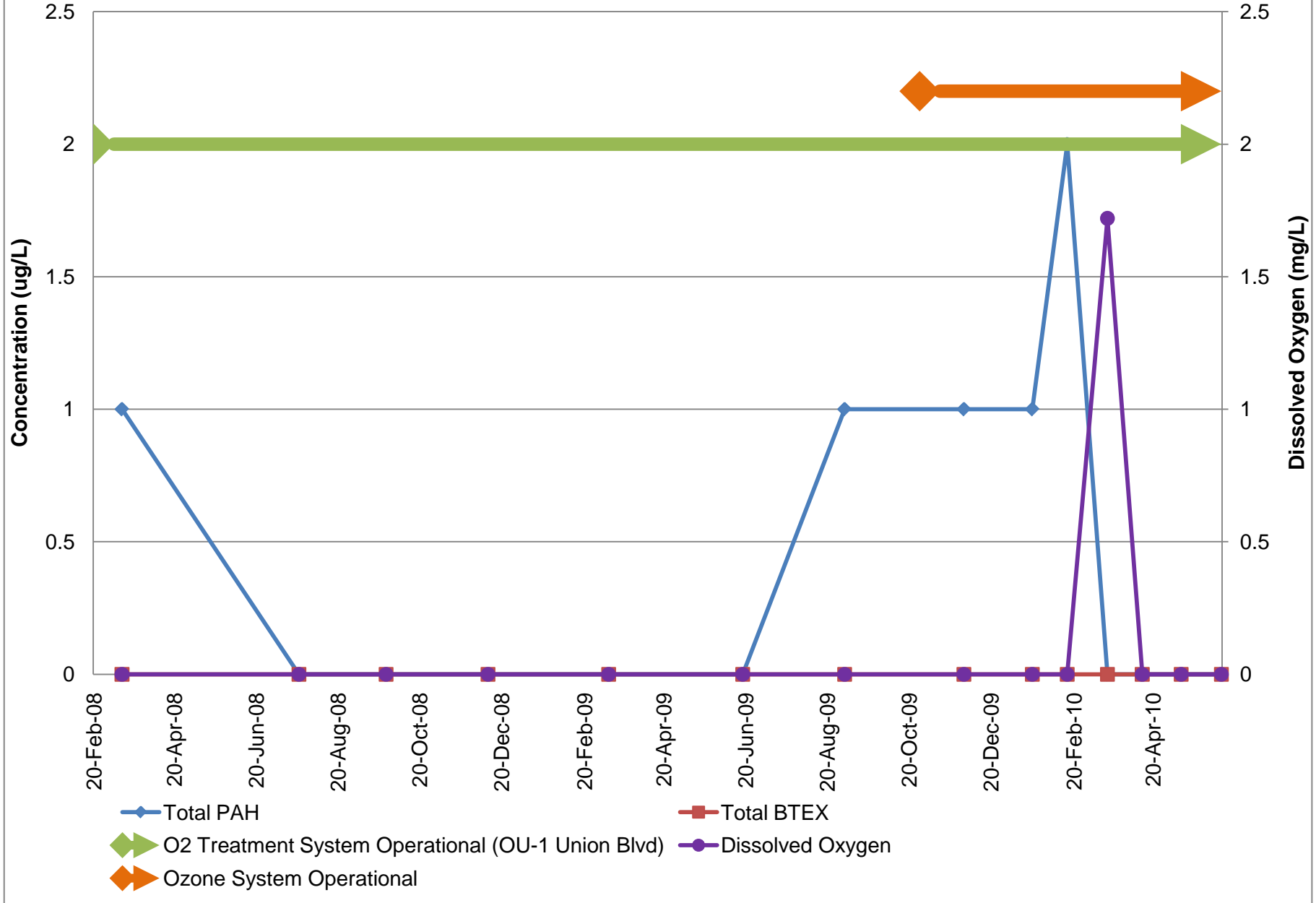
Monitoring Well OZMW-16I 20-30 ft bgs



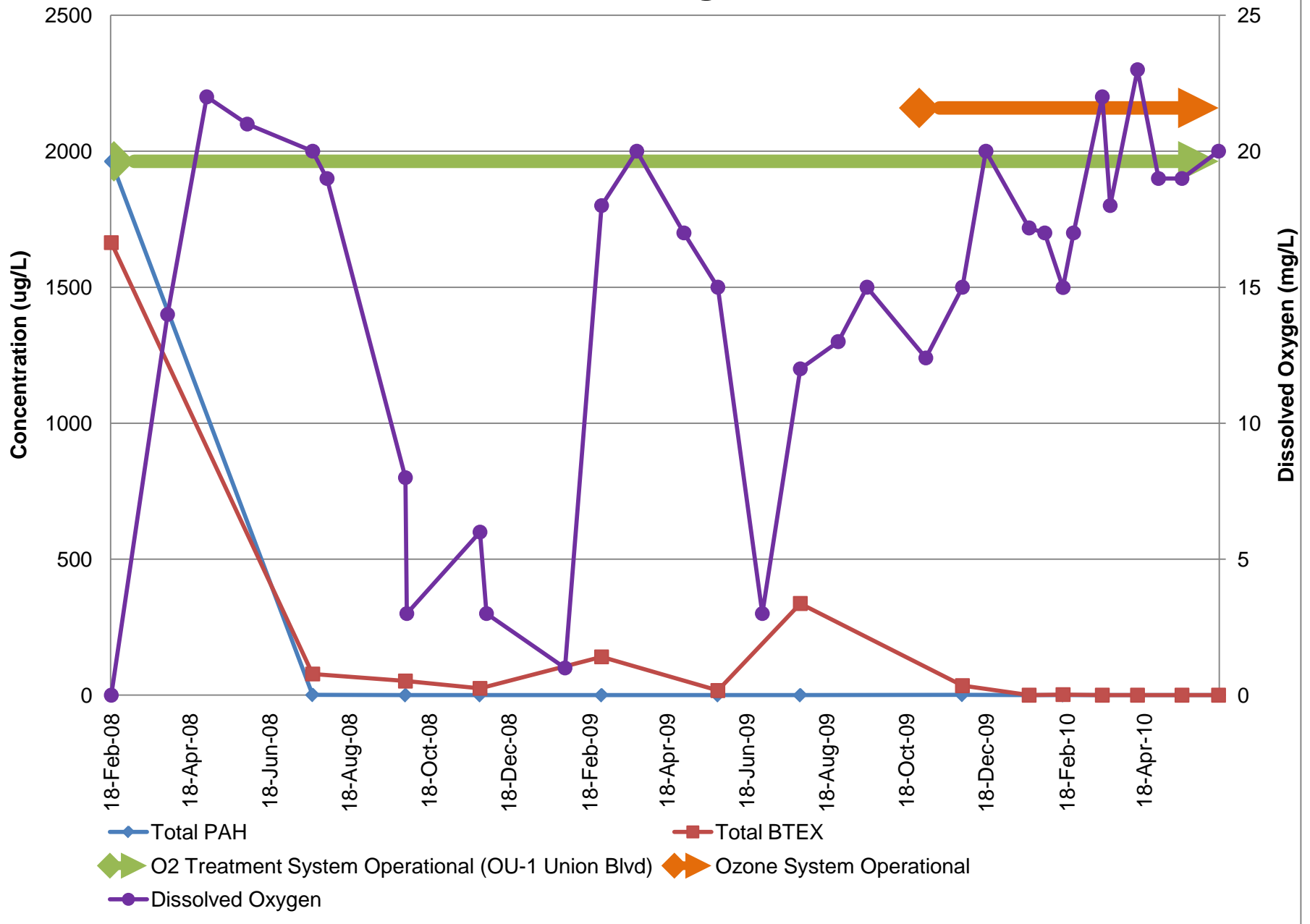
Monitoring Well OZMW-16I2 35-40 ft bgs



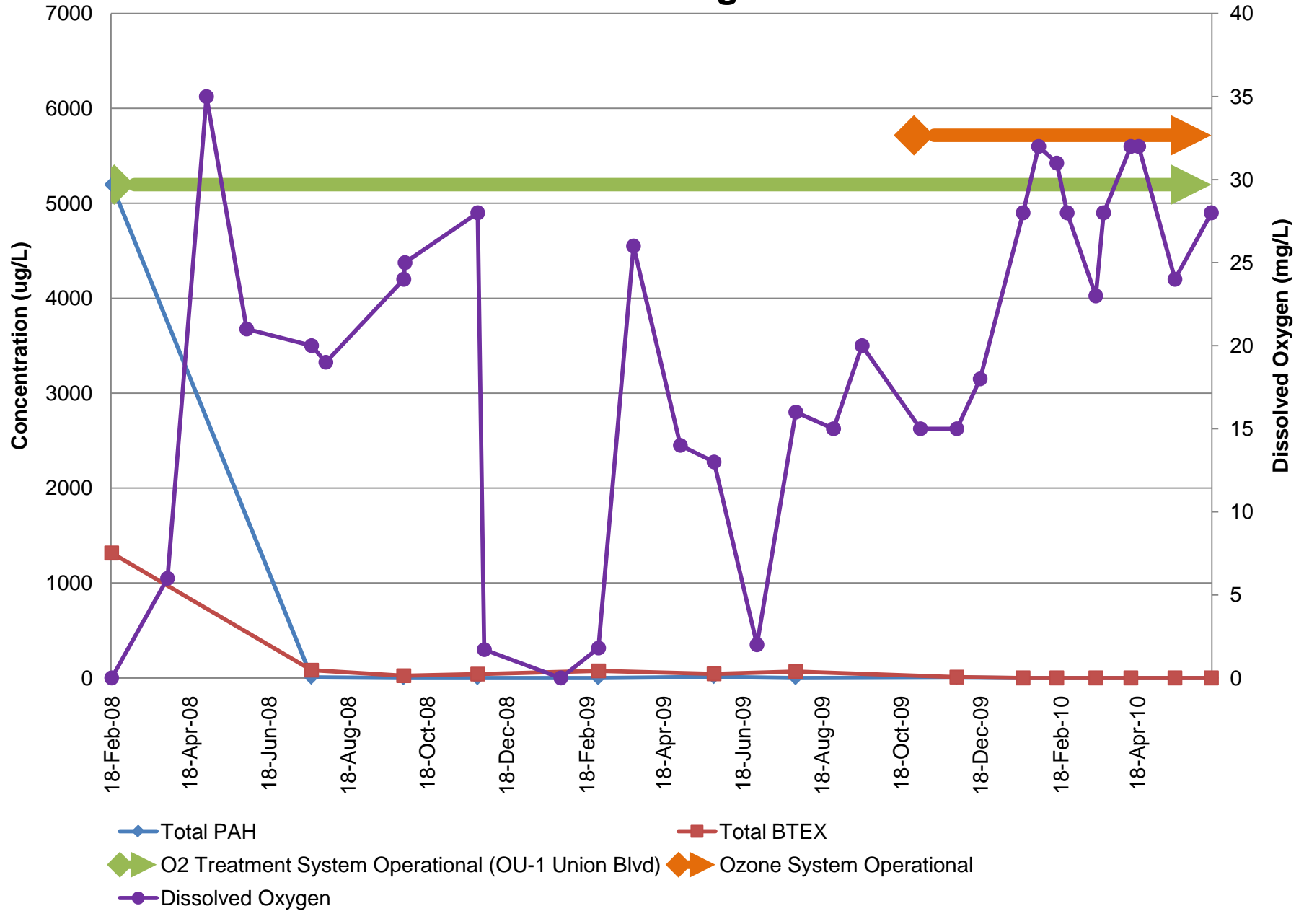
Monitoring Well OZMW-16D 55-65 ft bgs



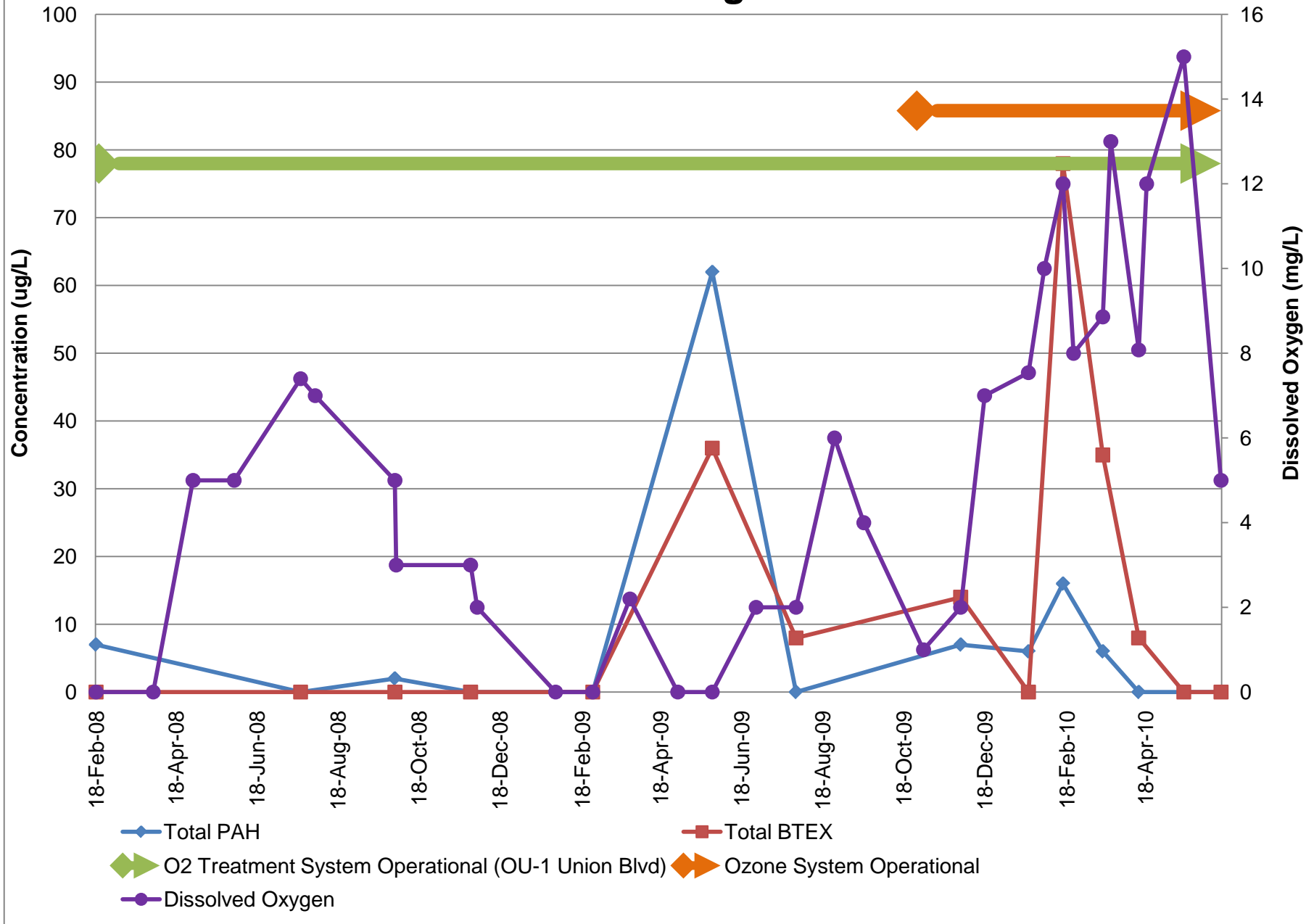
Monitoring Well OZMW-17S 5-15 ft bgs



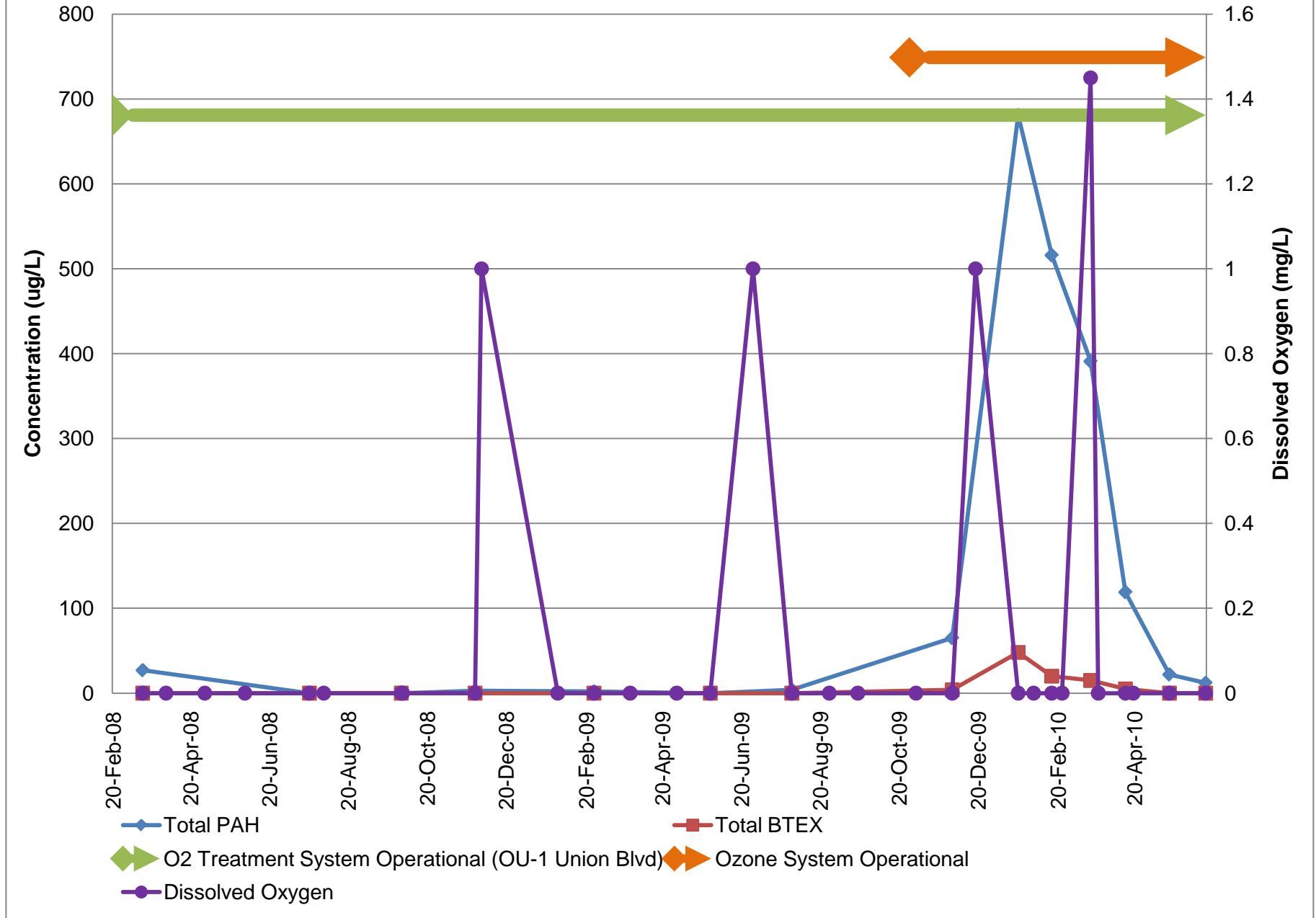
Monitoring Well OZMW-171 20-30 ft bgs



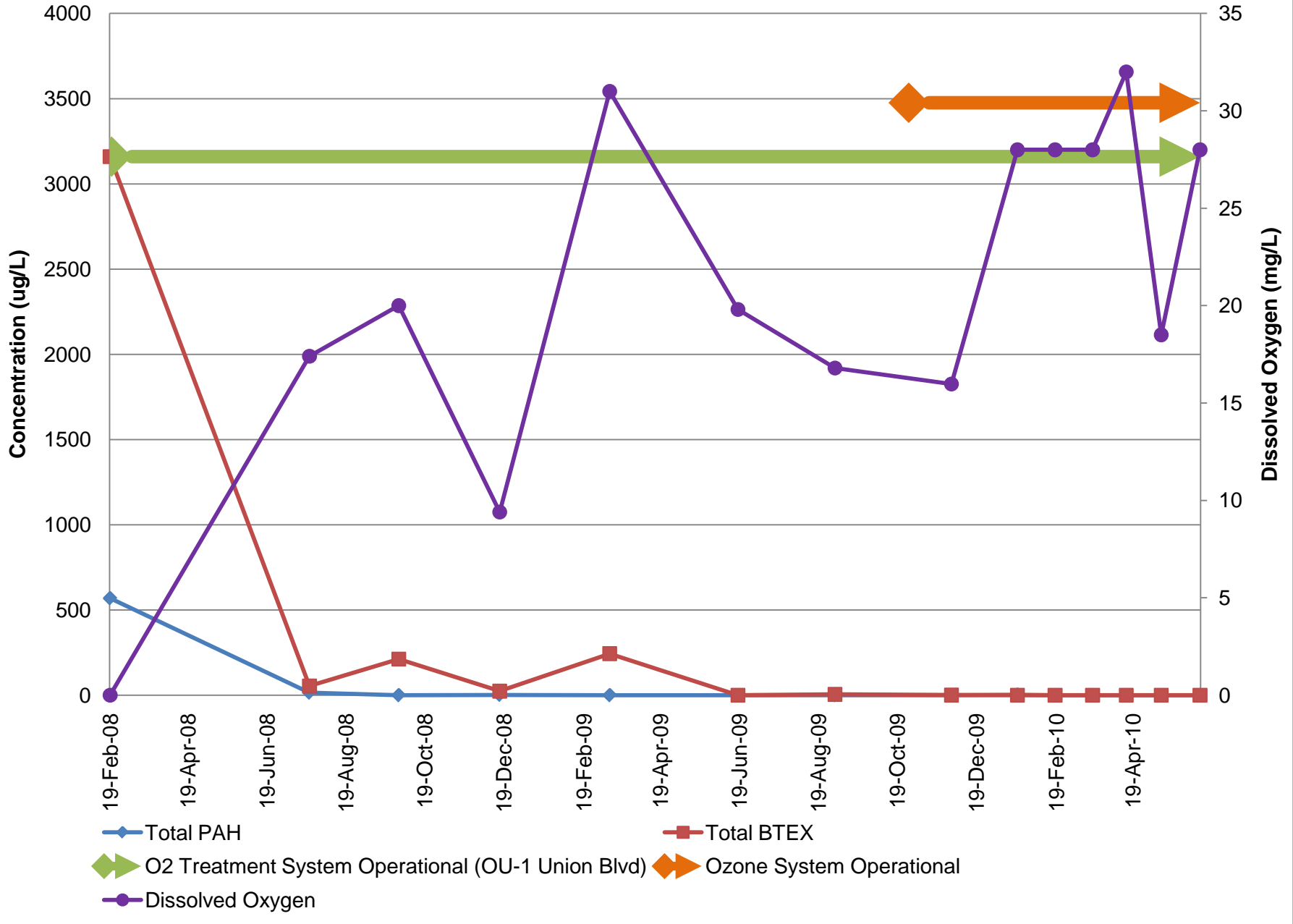
Monitoring Well OZMW-1712 35-45 ft bgs



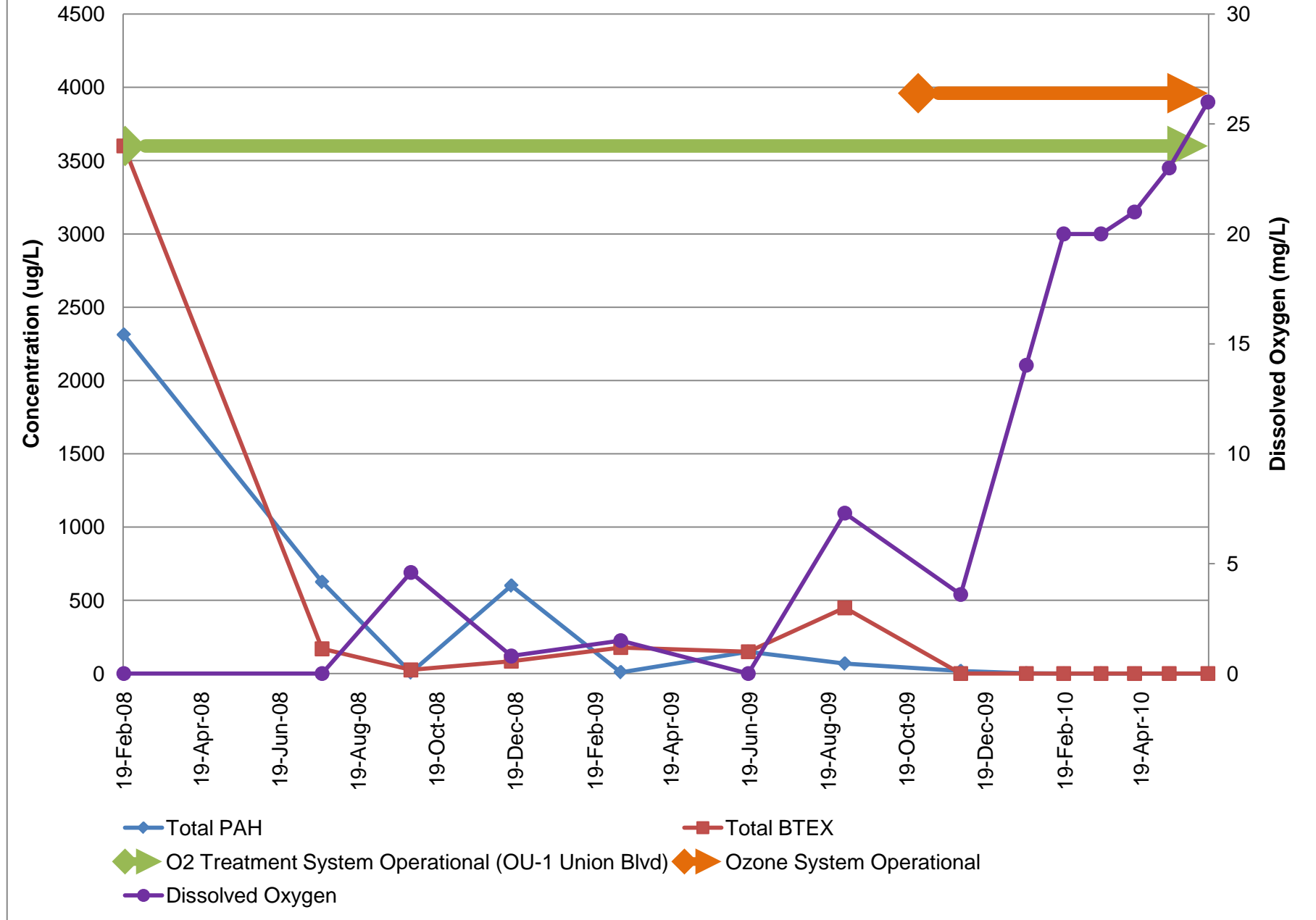
Monitoring Well OZMW-17D 53-63 ft bgs



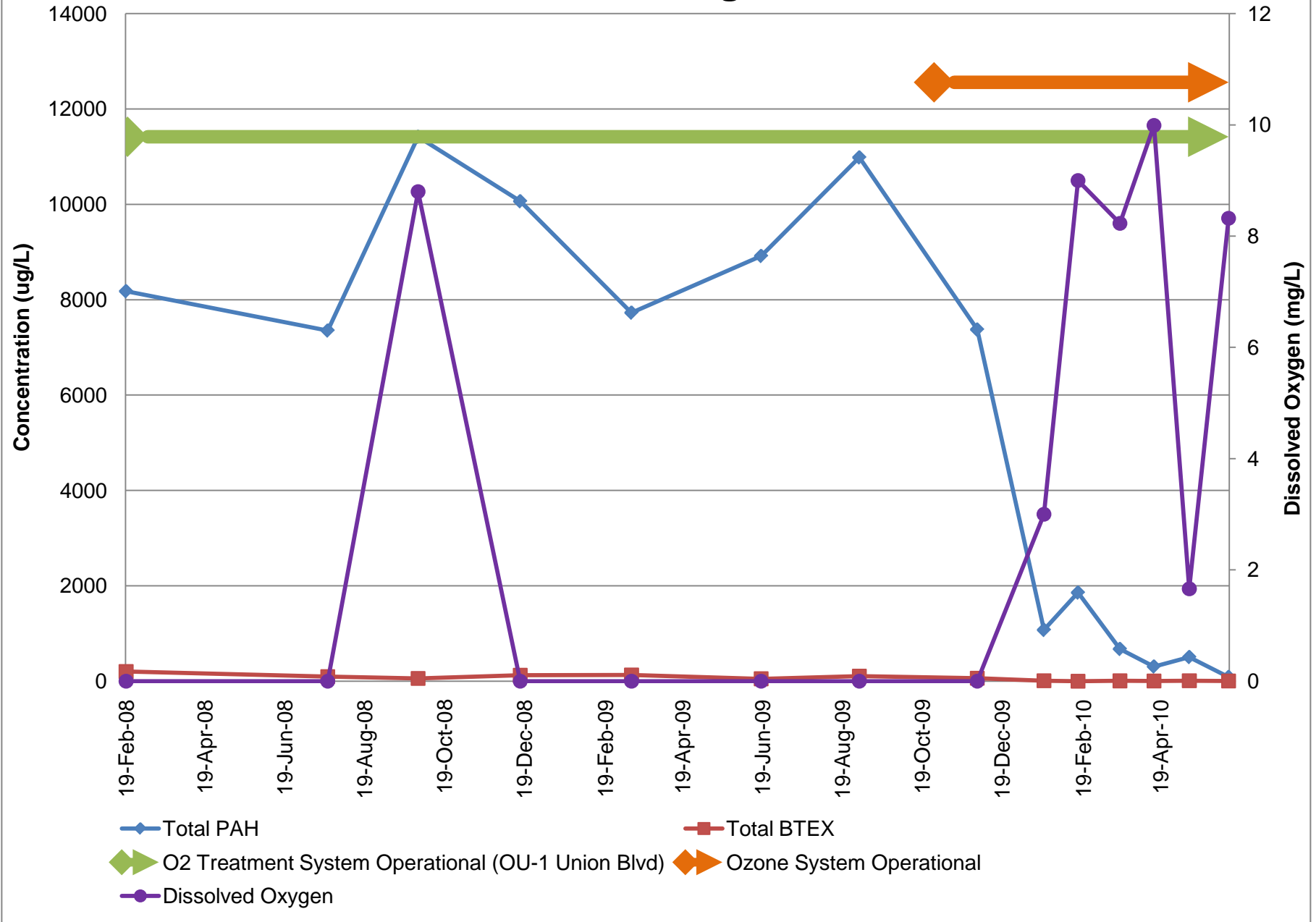
Monitoring Well OZMW-18S 5-15 ft bgs



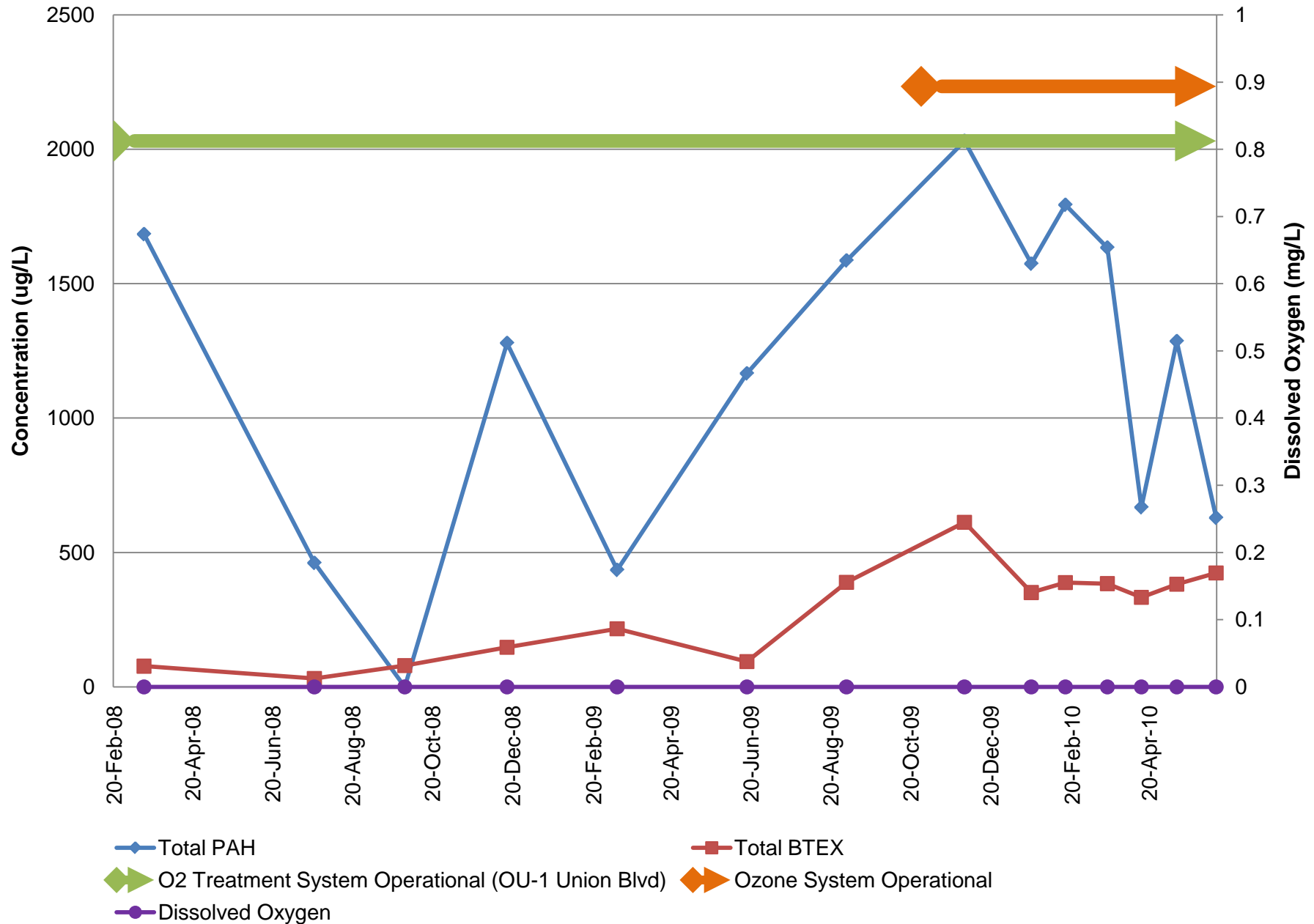
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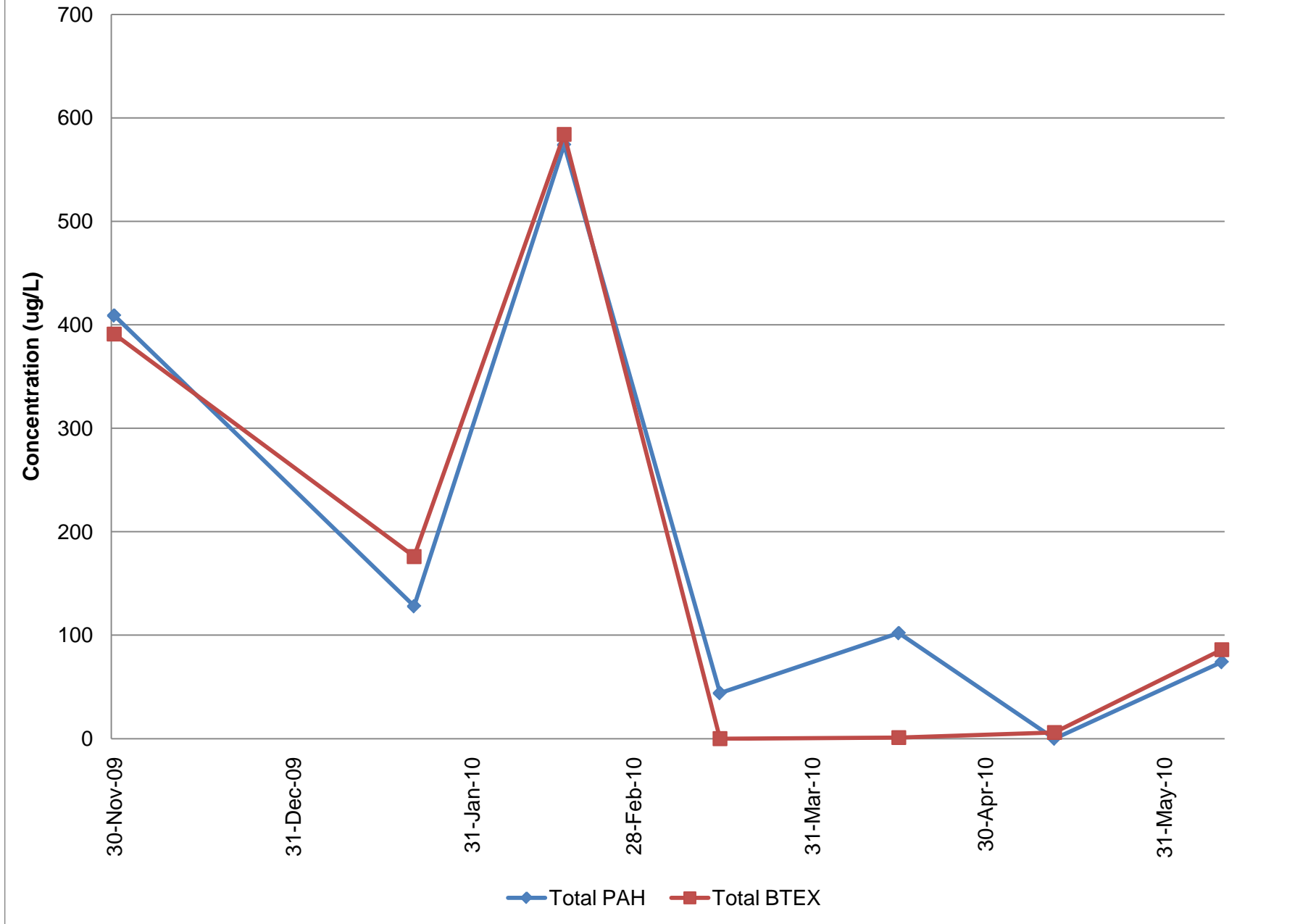
Monitoring Well OZMW-1812 35-45 ft bgs



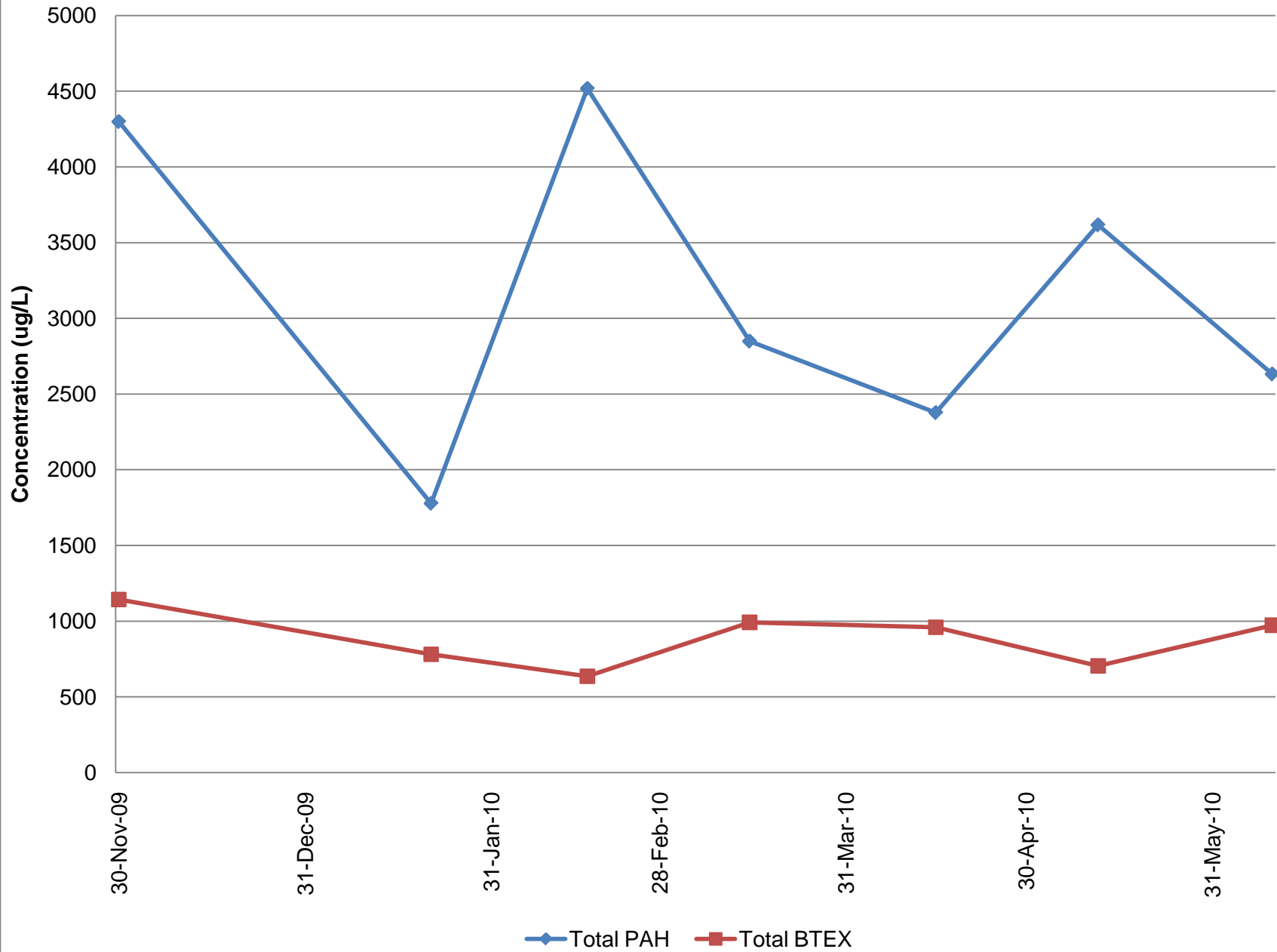
Monitoring Well OZMW-18D 55-65 ft bgs



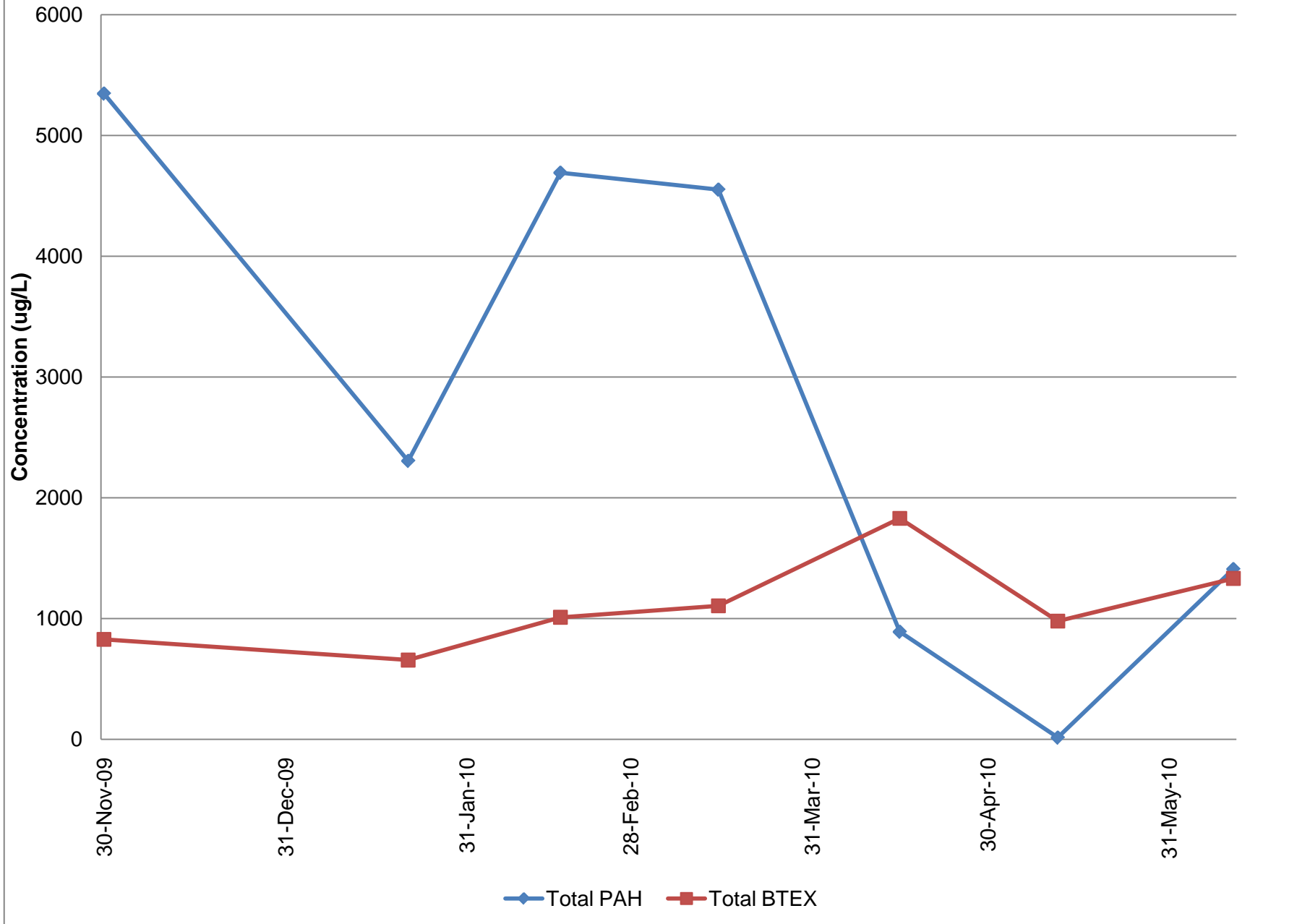
Monitoring Well OZMW-19S 5-15 ft bgs



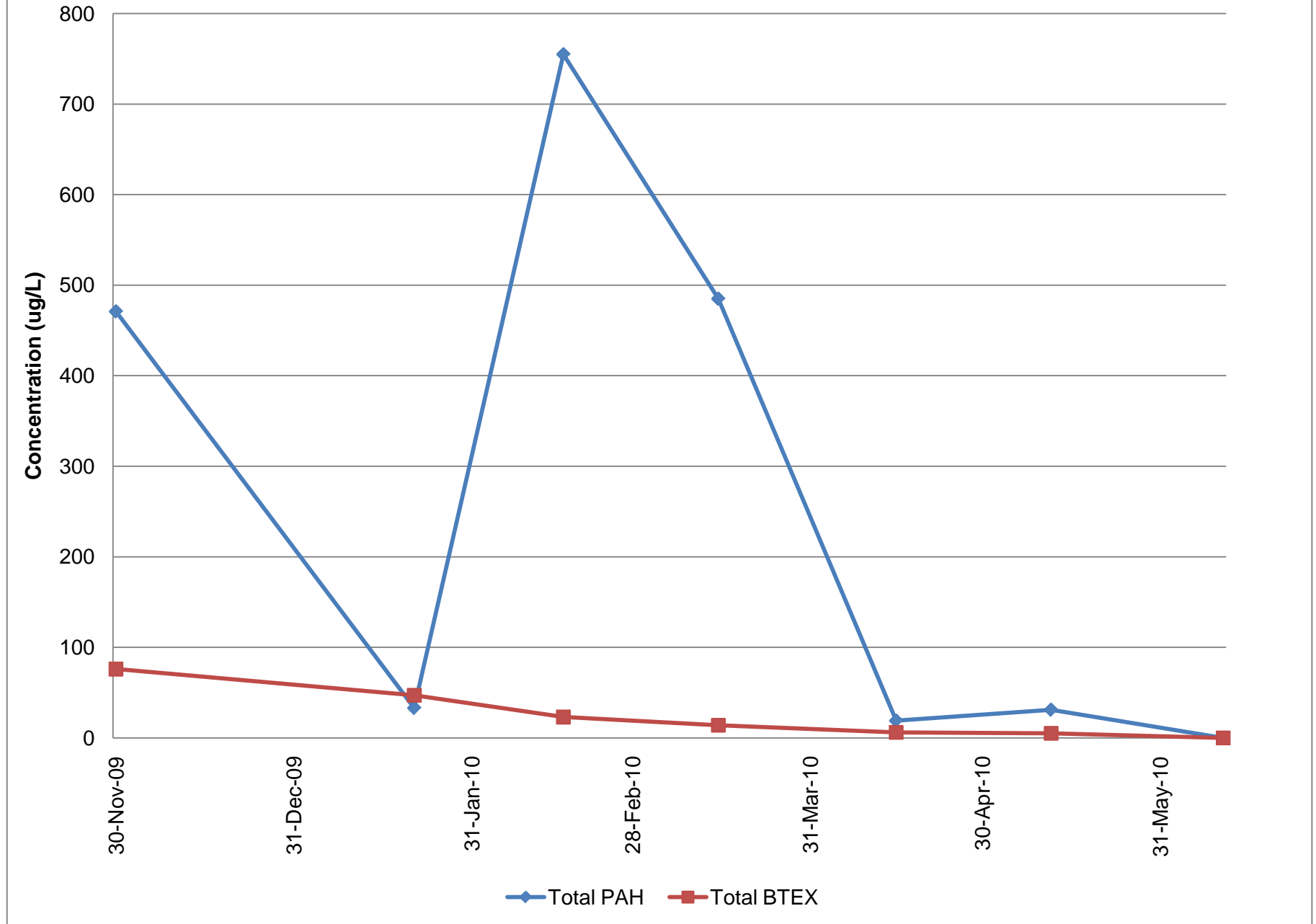
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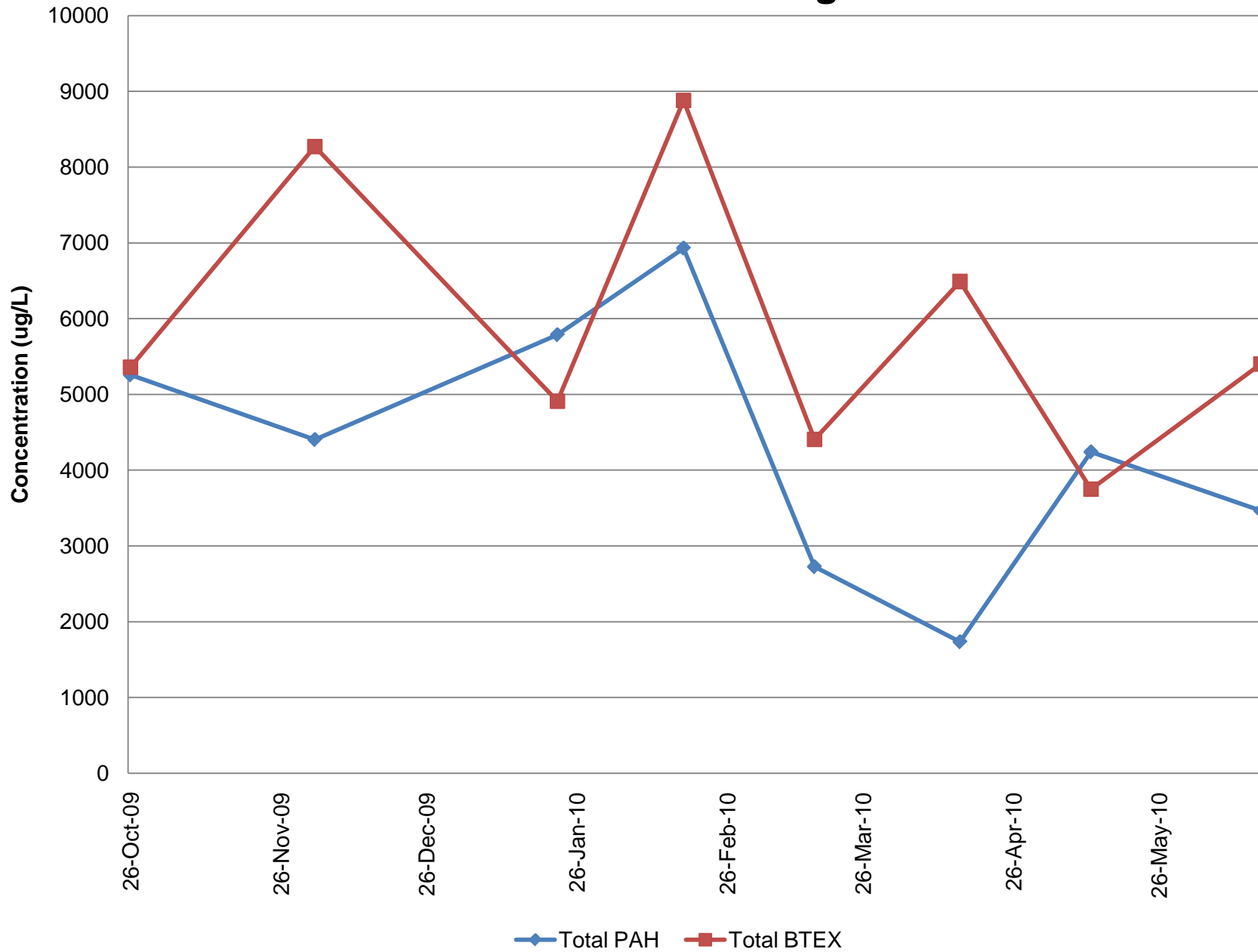
Monitoring Well OZMW-19I2 35-45 ft bgs



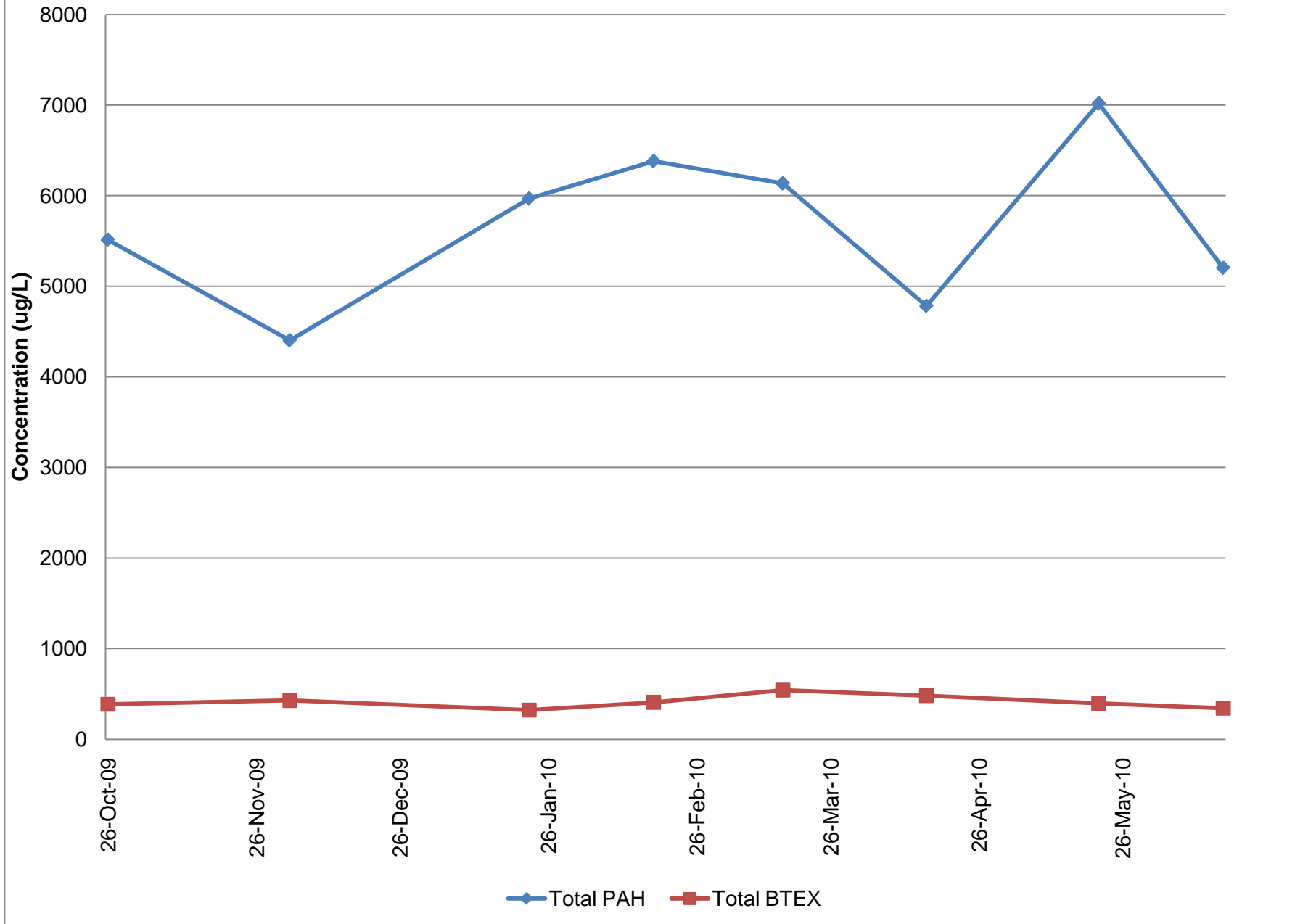
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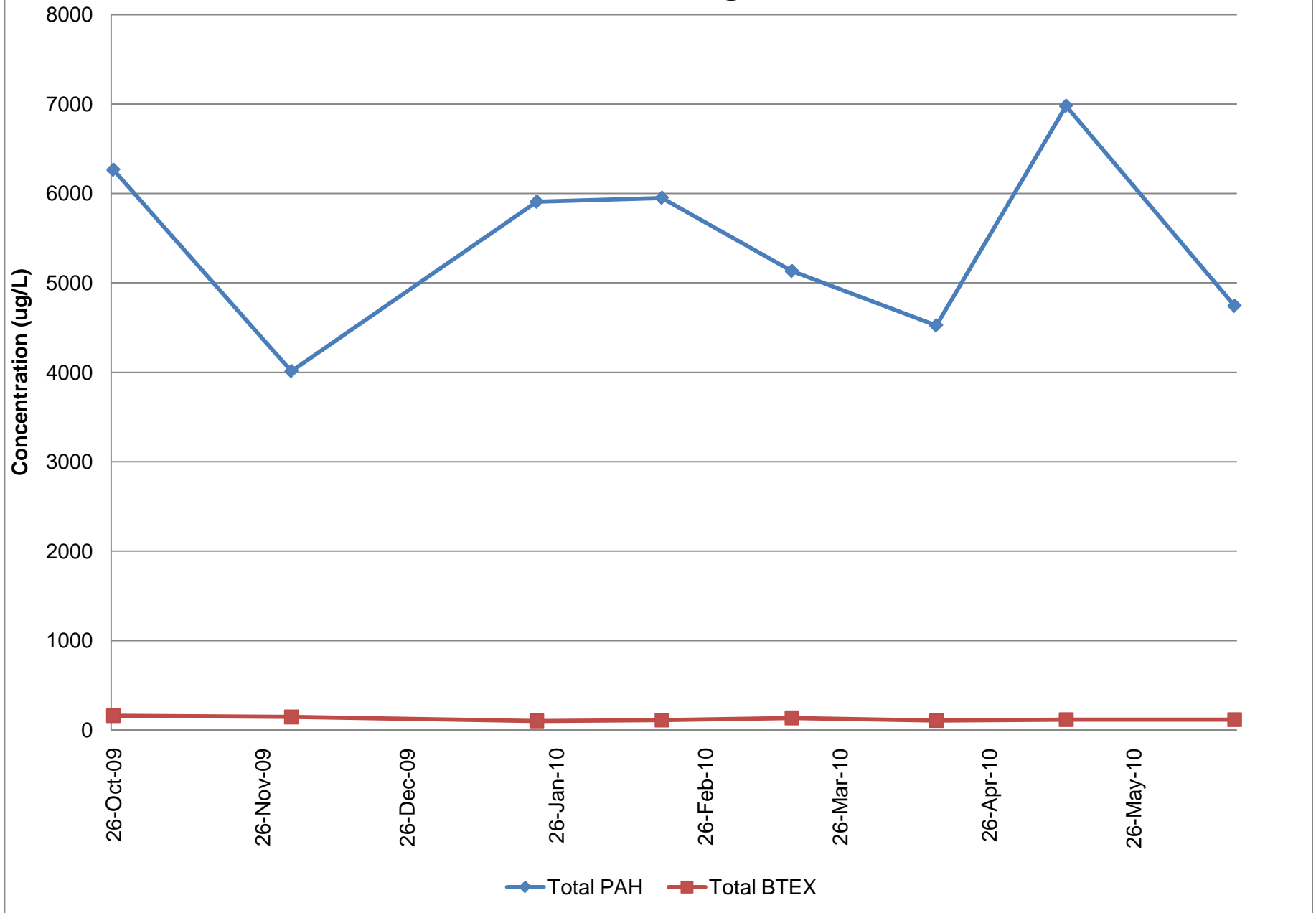
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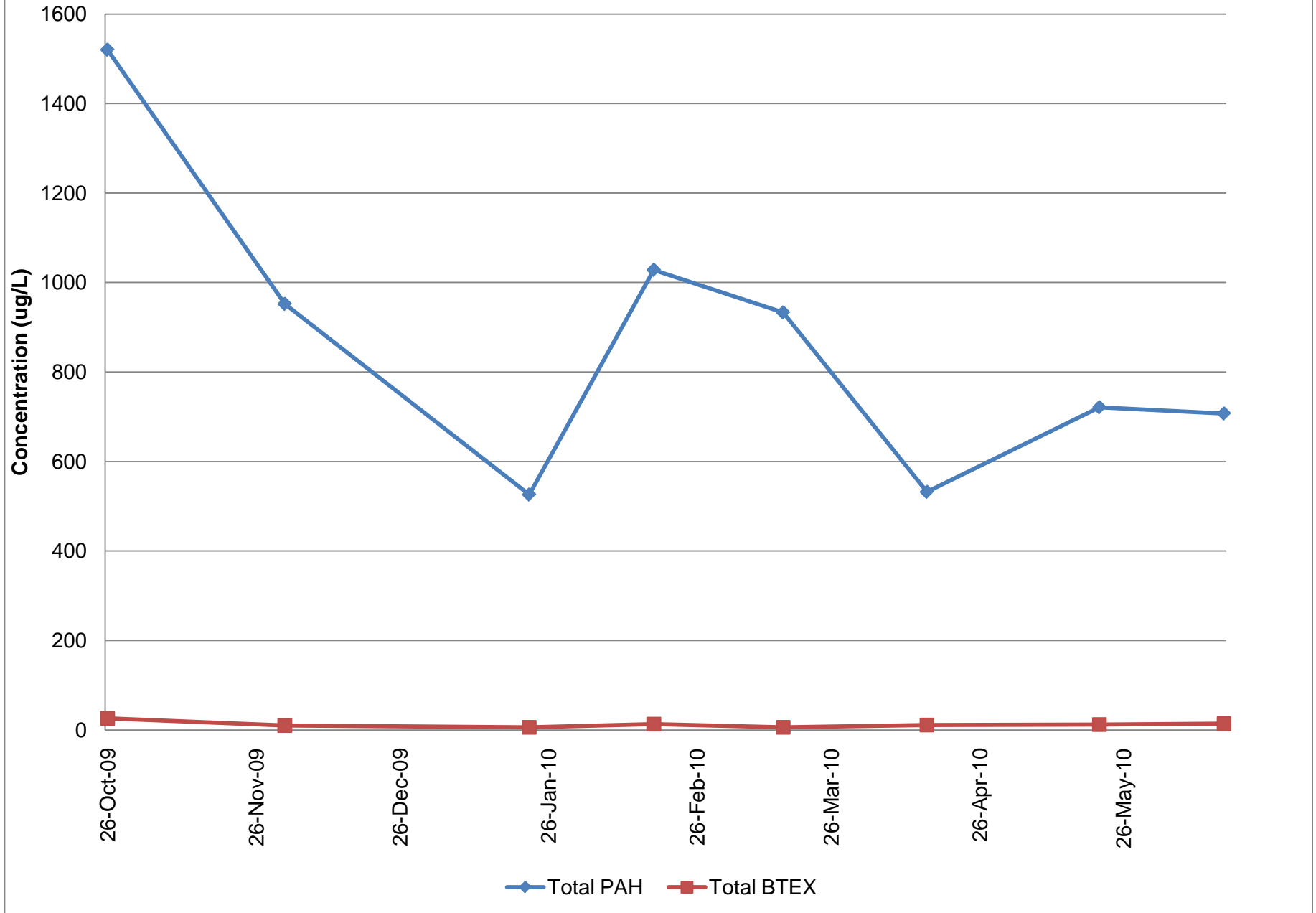
Monitoring Well OZMW-21I 20-30 ft bgs



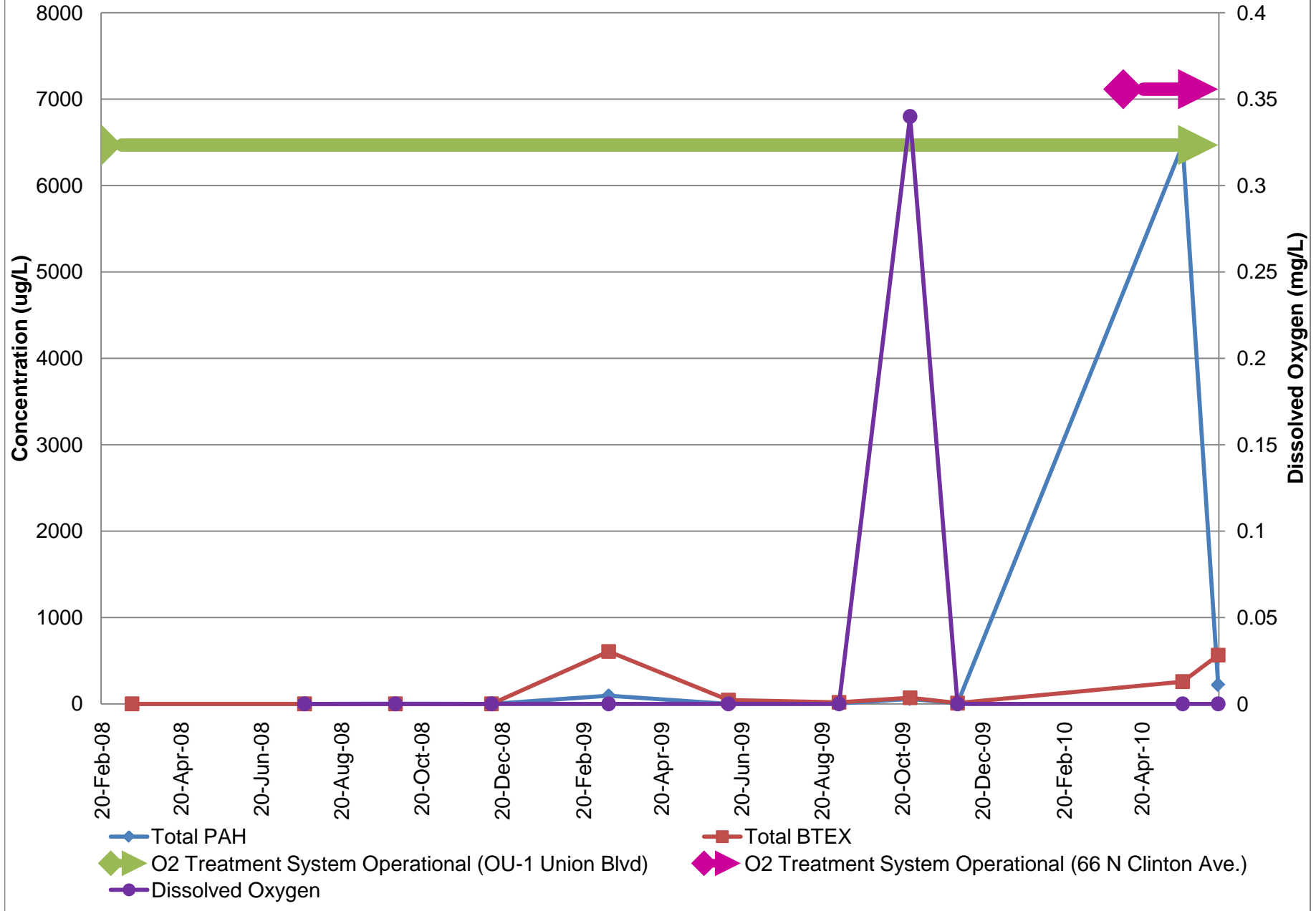
Monitoring Well OZMW-21I2 35-45 ft bgs



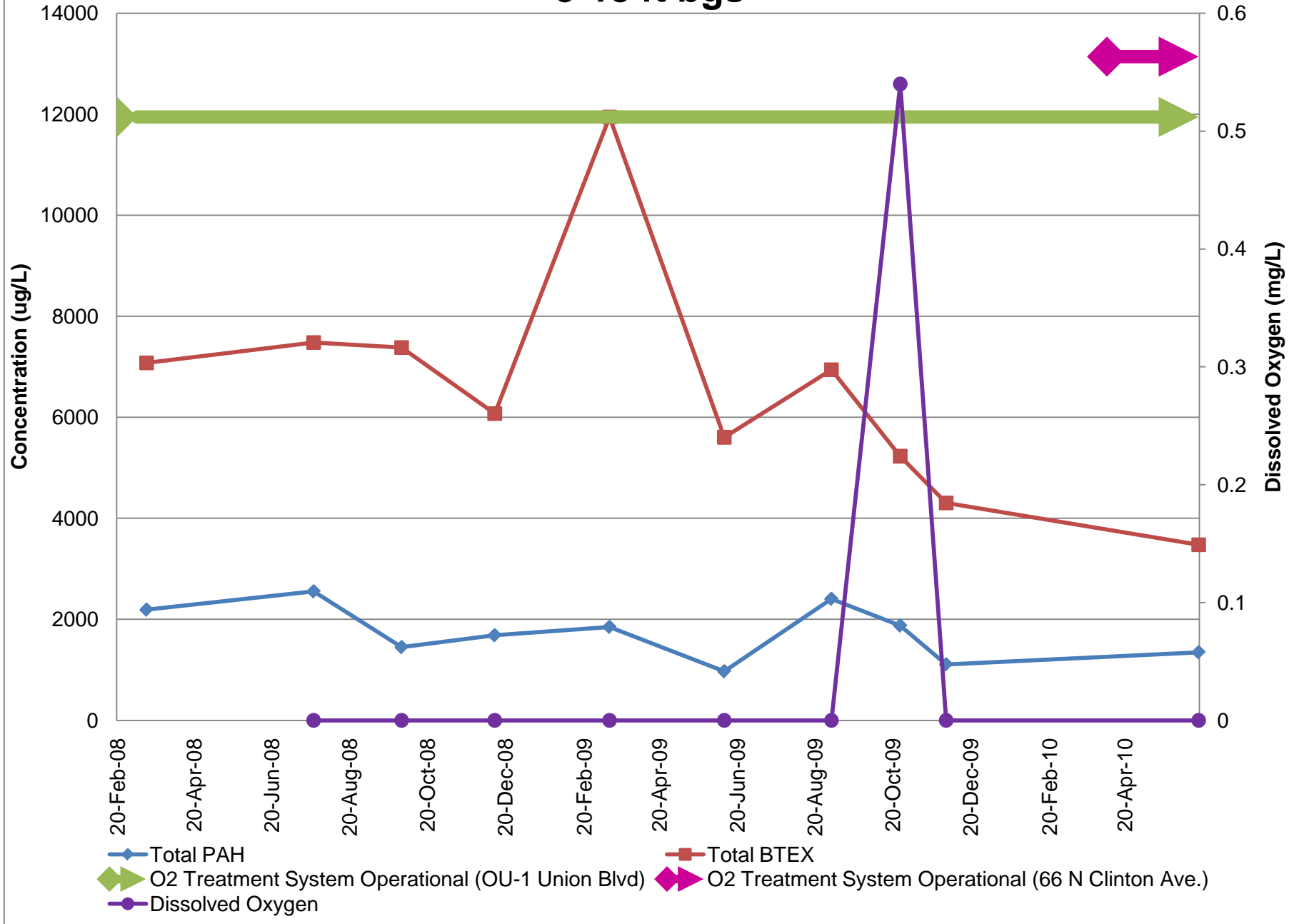
Monitoring Well OZMW-21D 55-65 ft bgs



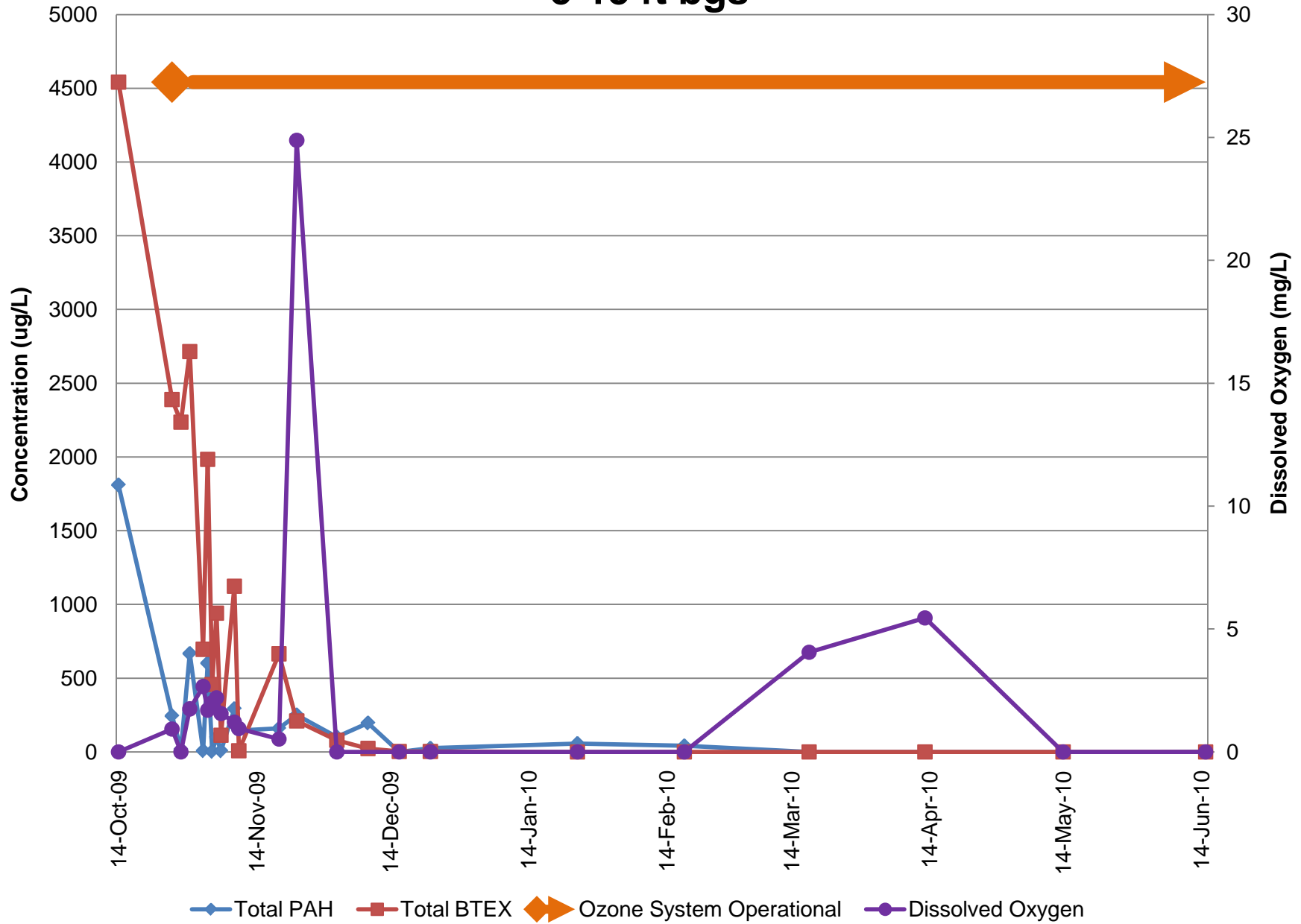
Monitoring Well OZMW-22I/RI 20-30 ft bgs



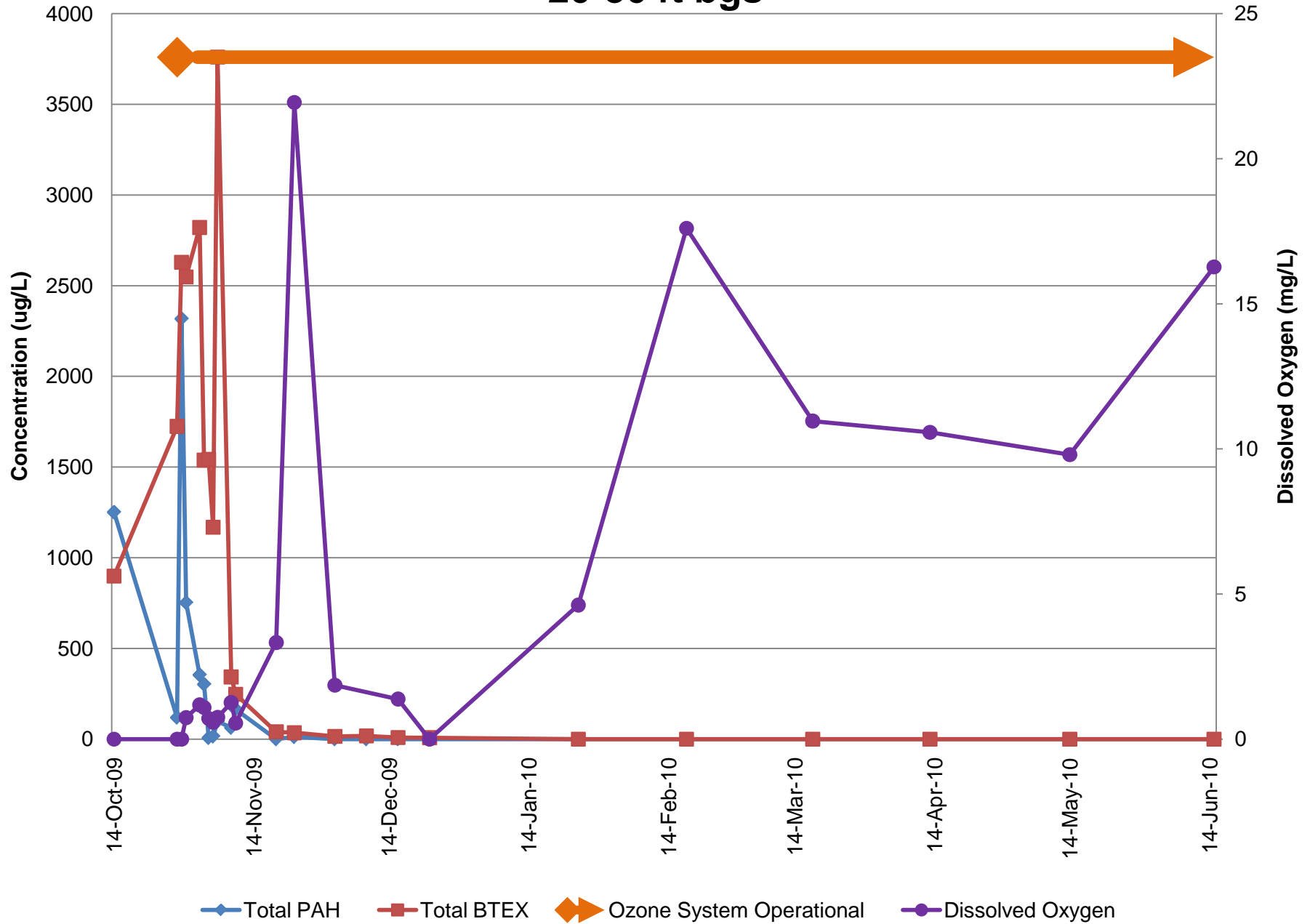
Monitoring Well OZMW-22S/RS 5-15 ft bgs



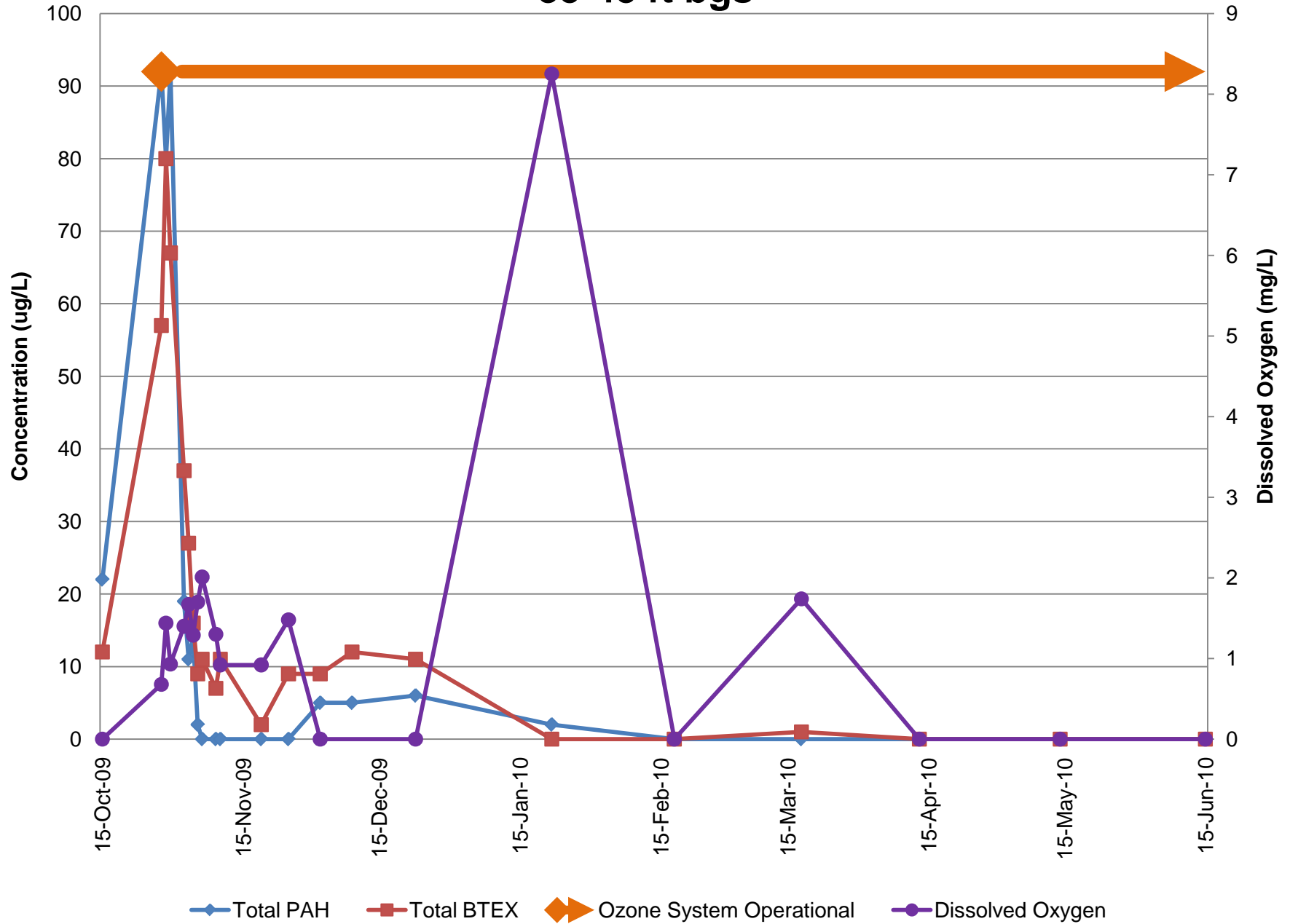
Monitoring Well OZMW-23S 5-15 ft bgs



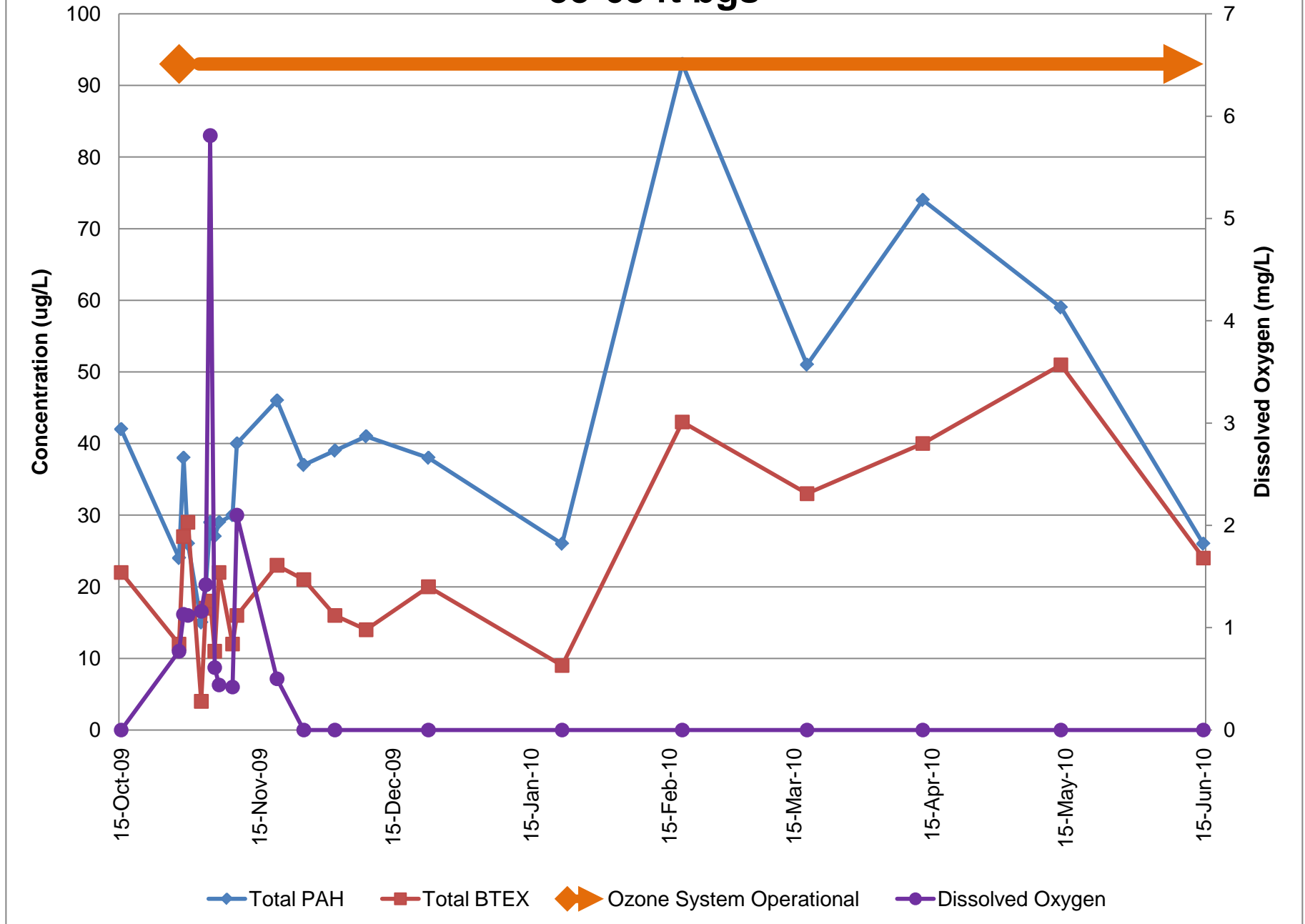
Monitoring Well OZMW-23I 20-30 ft bgs



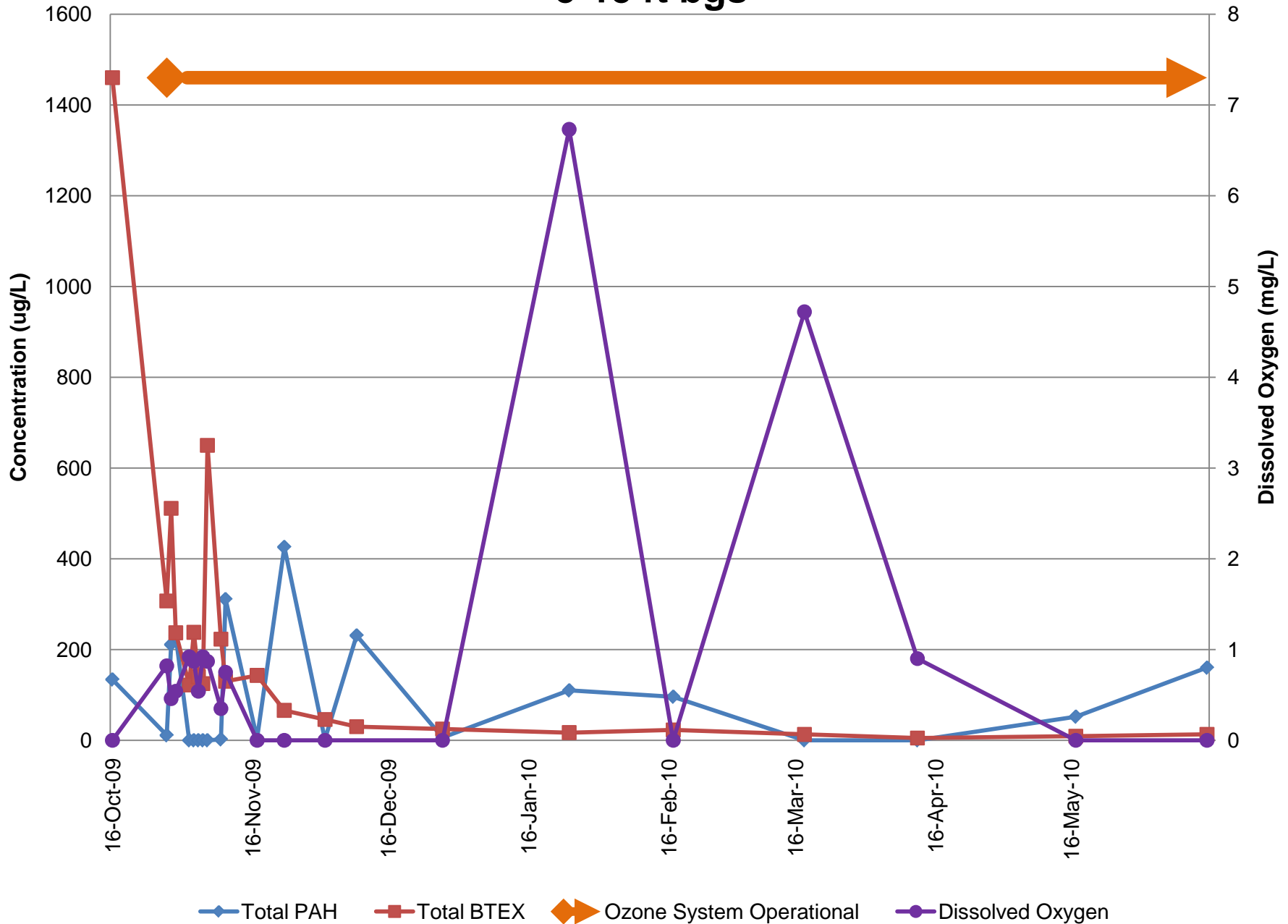
Monitoring Well OZMW-2312 35-45 ft bgs



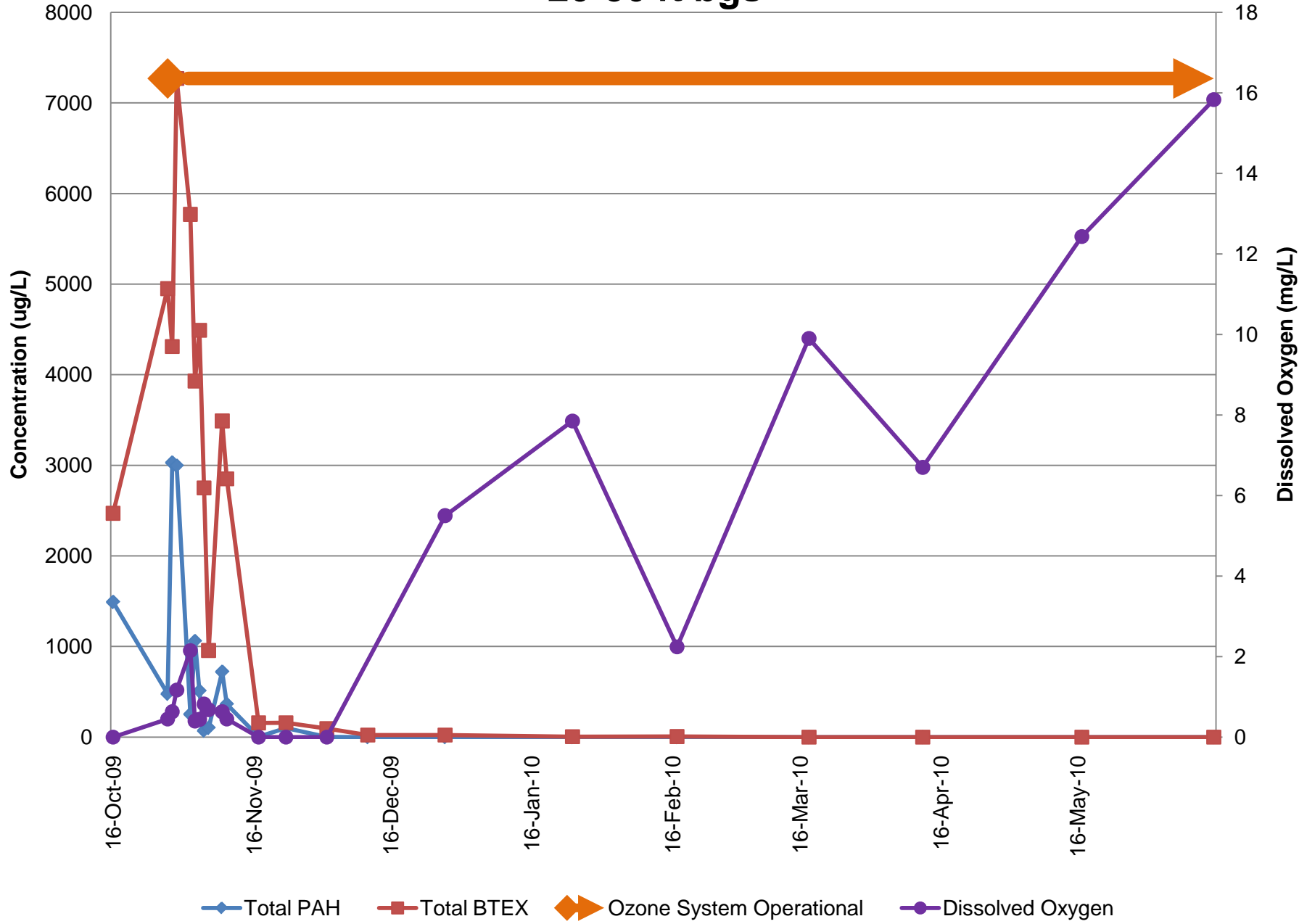
Monitoring Well OZMW-23D 55-65 ft bgs



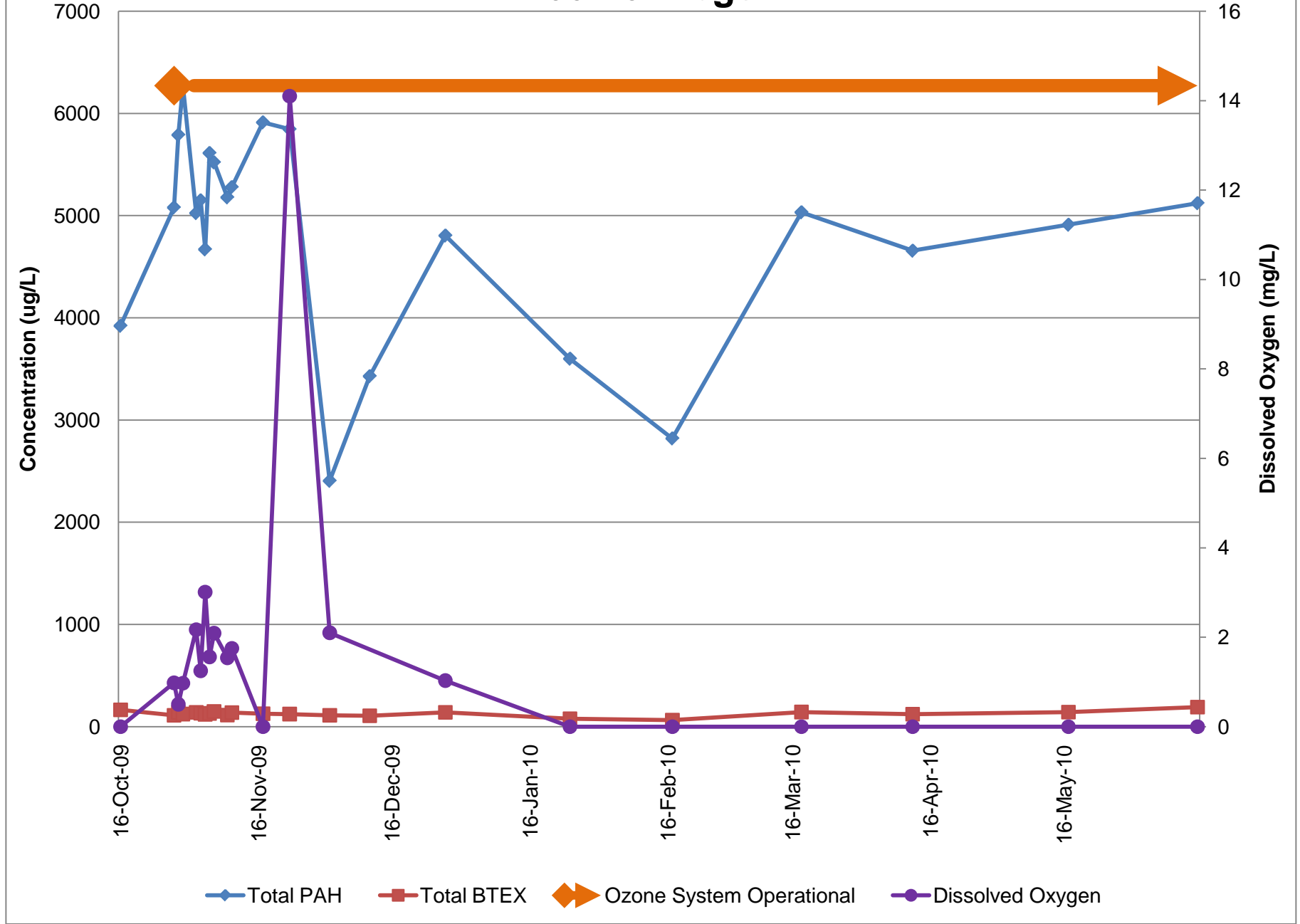
Monitoring Well OZMW-24S 5-15 ft bgs



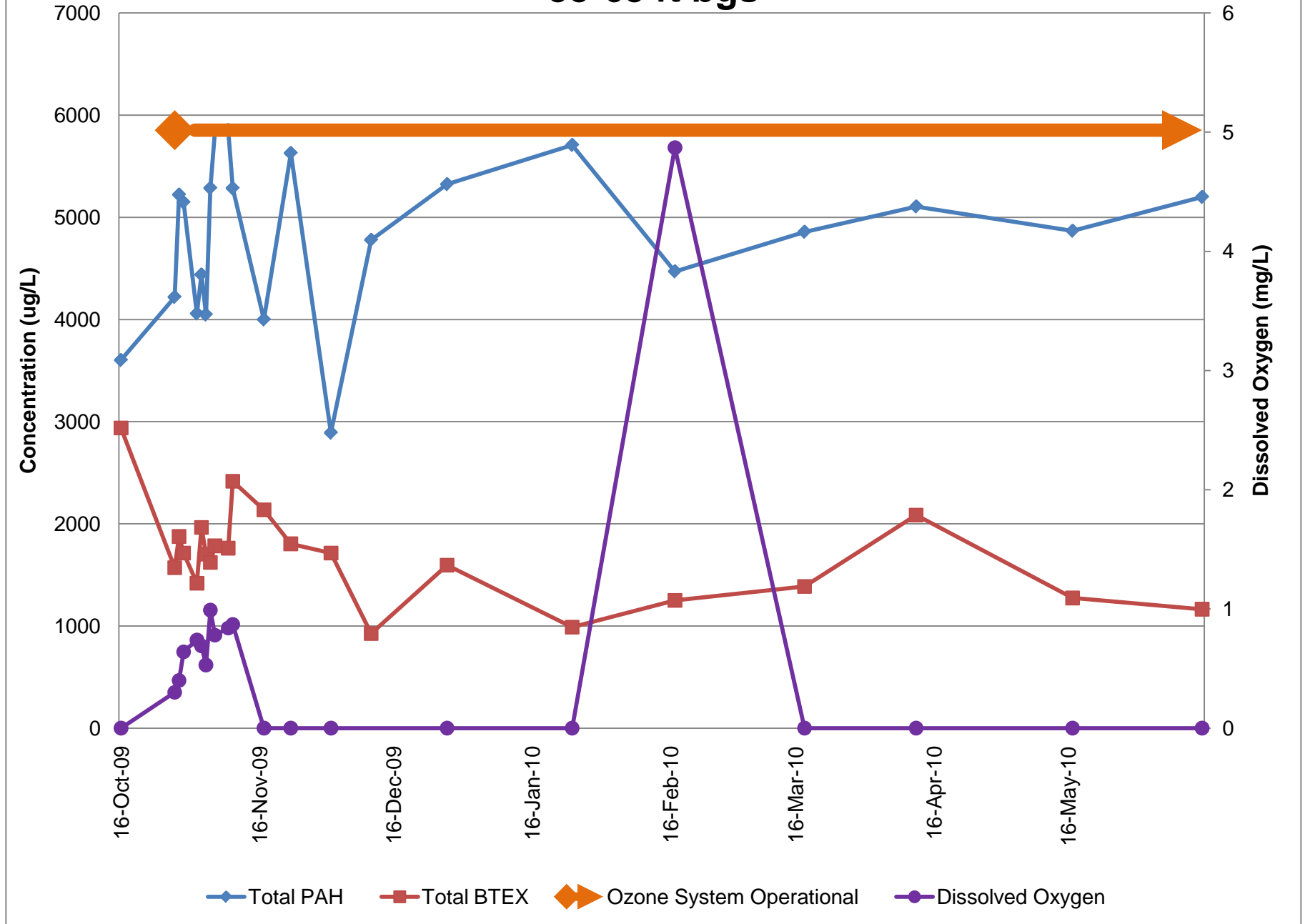
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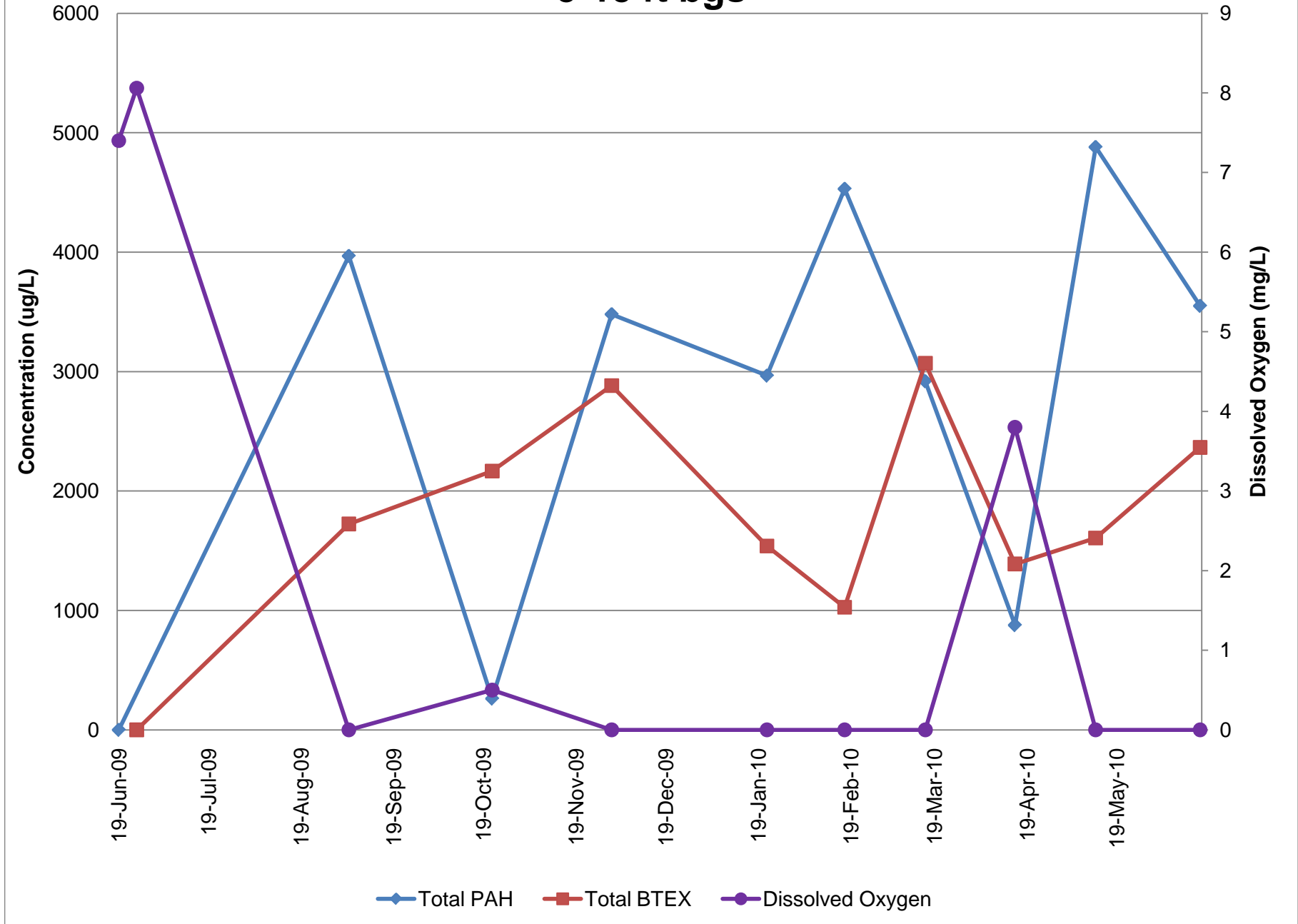
Monitoring Well OZMW-24I2 35-45 ft bgs



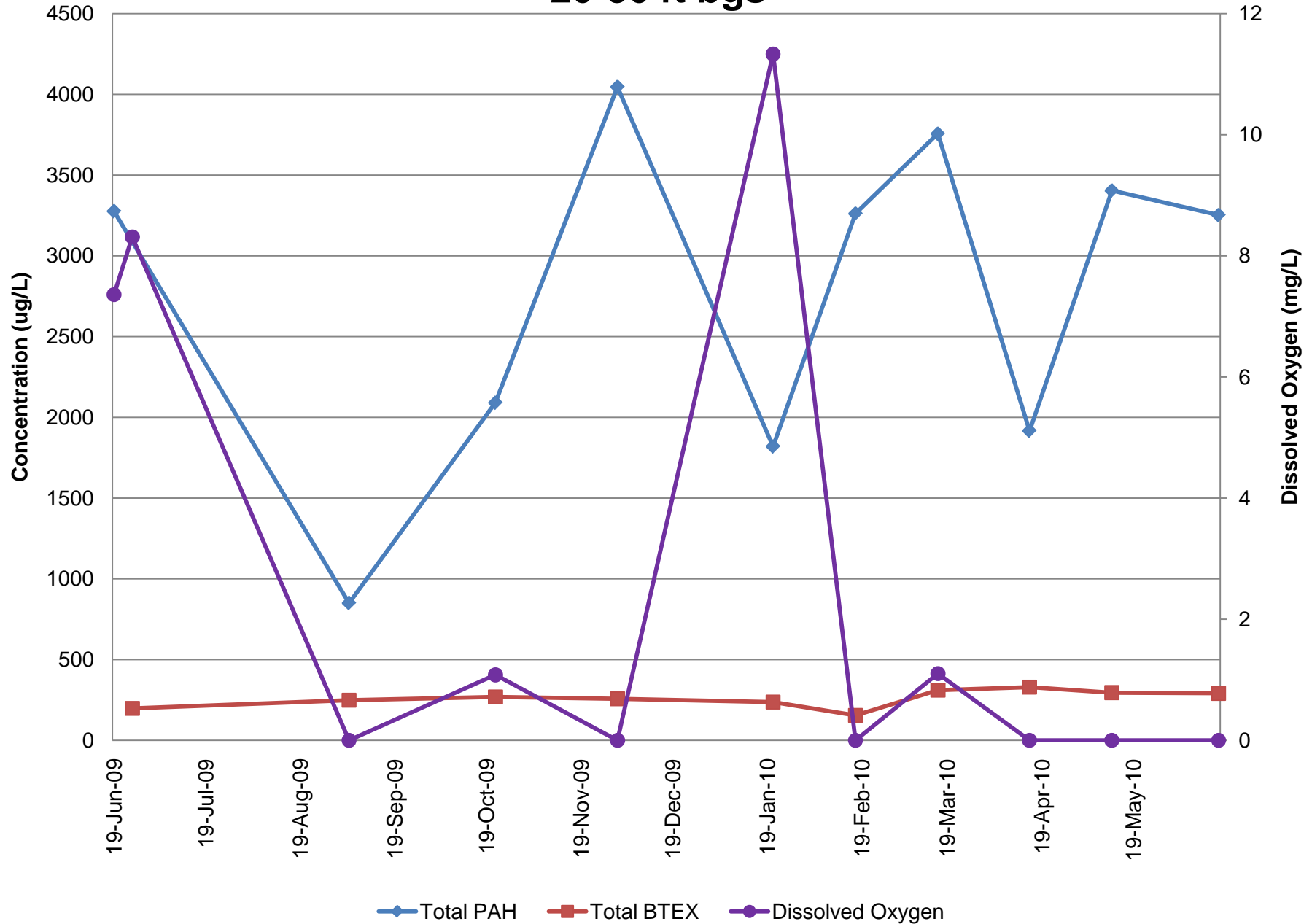
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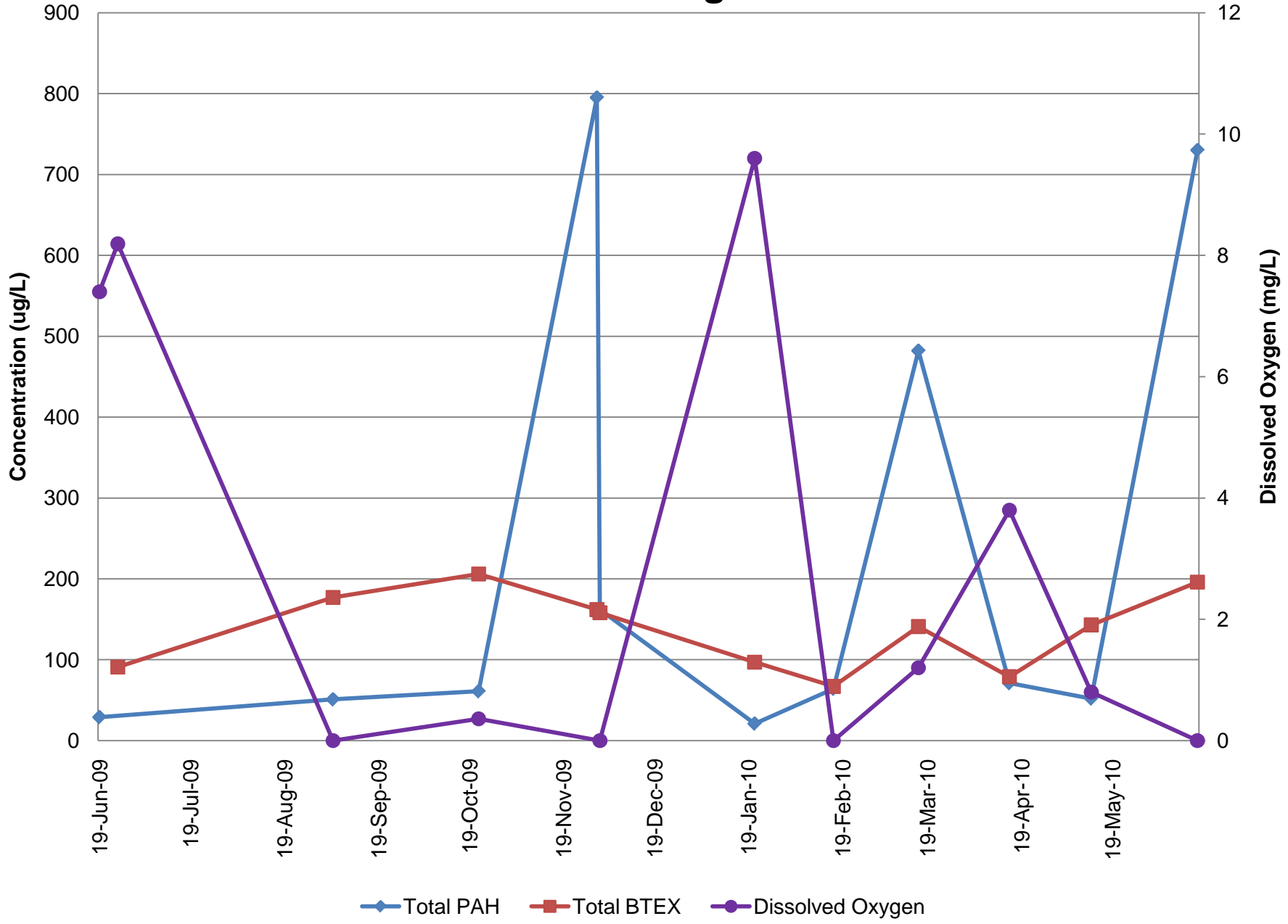
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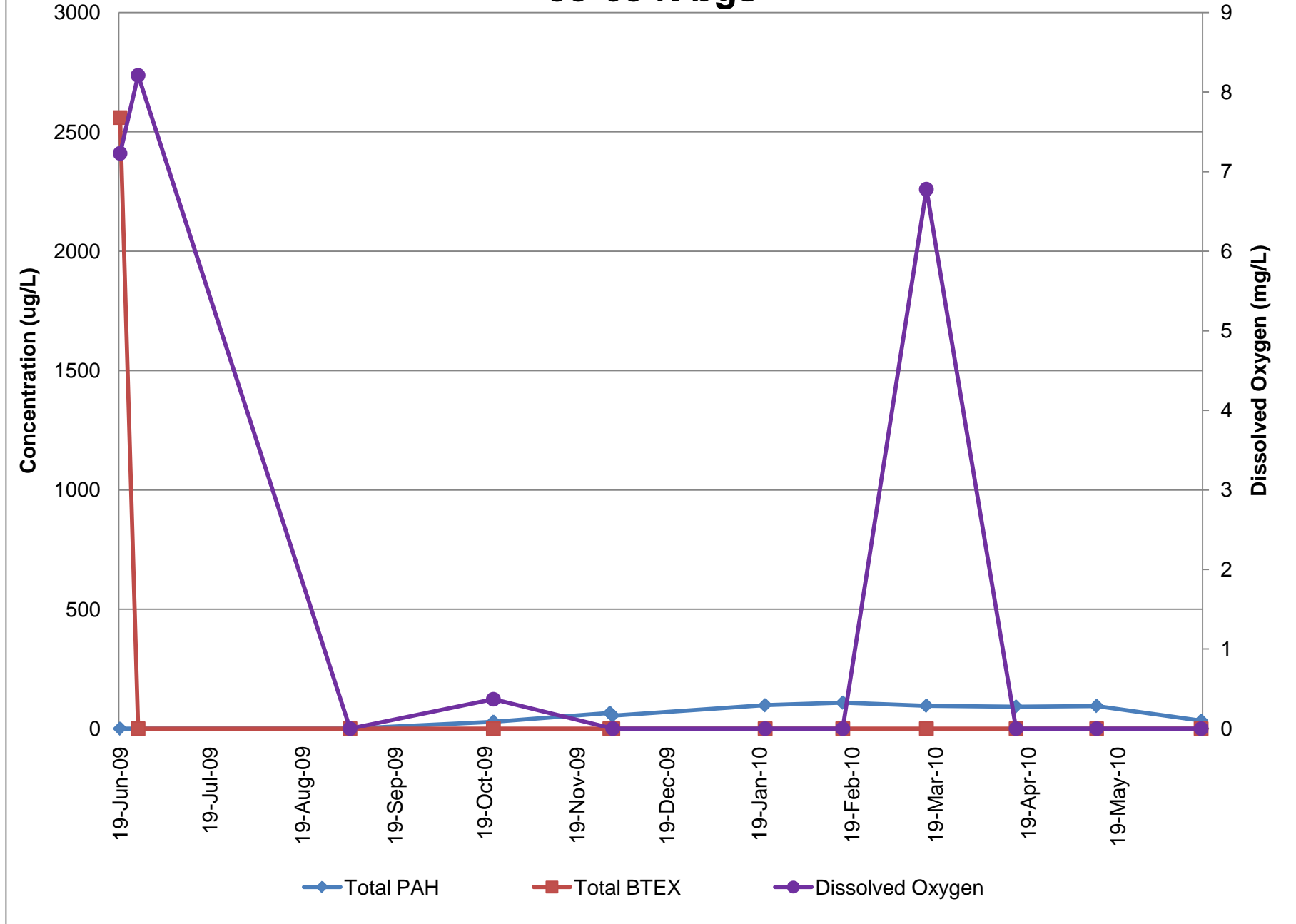
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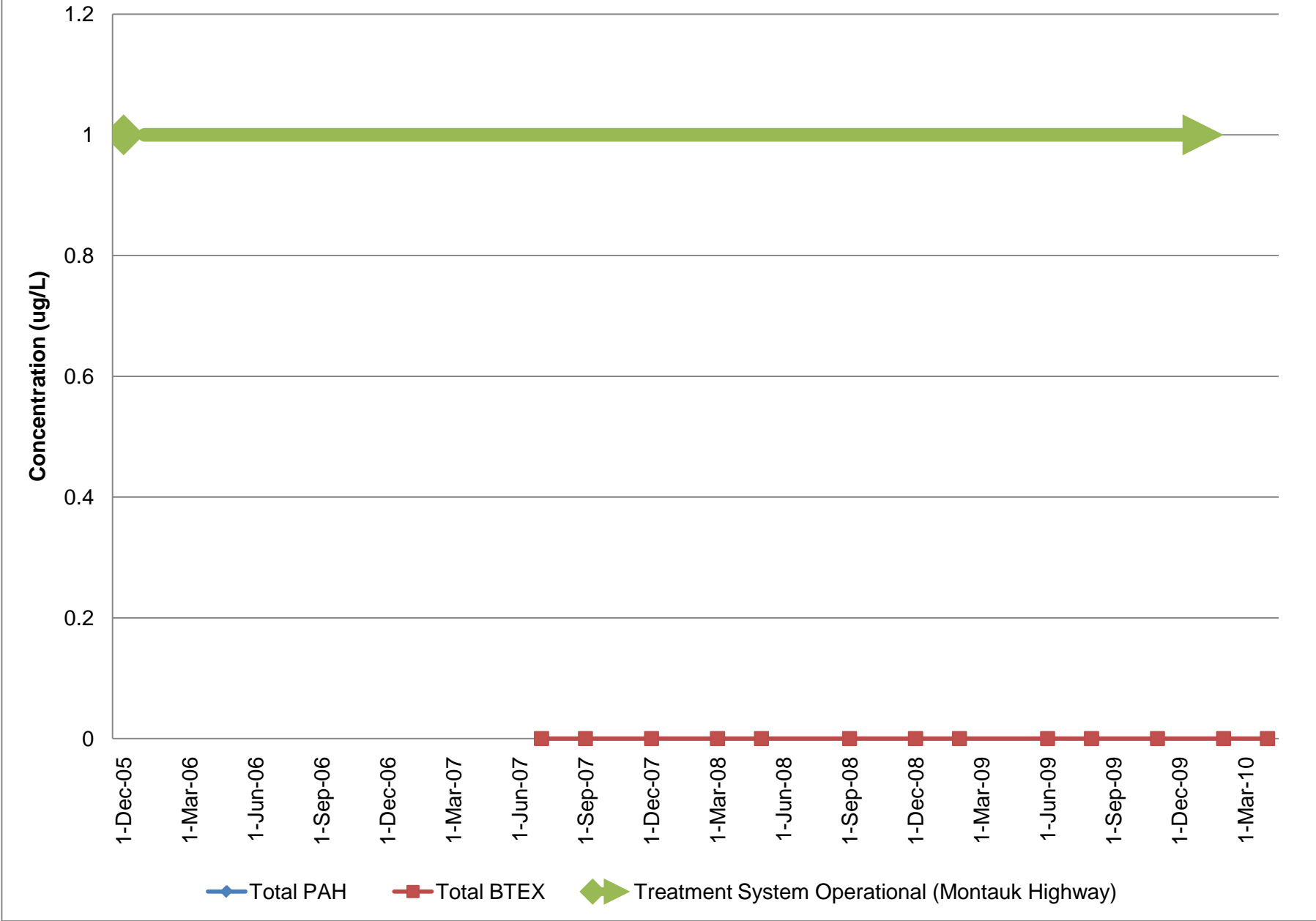
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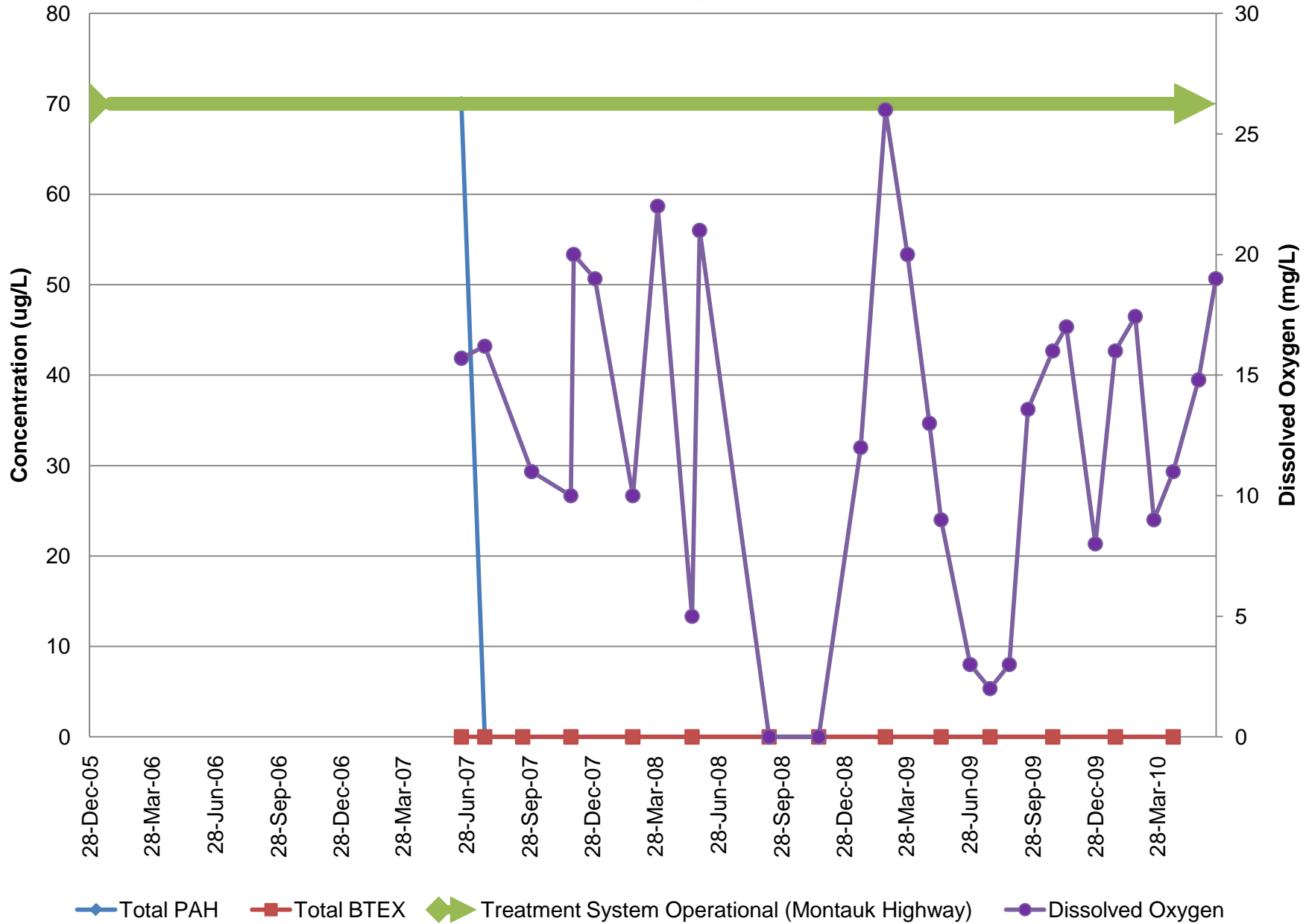
Monitoring Well OZMW-25D 55-65 ft bgs



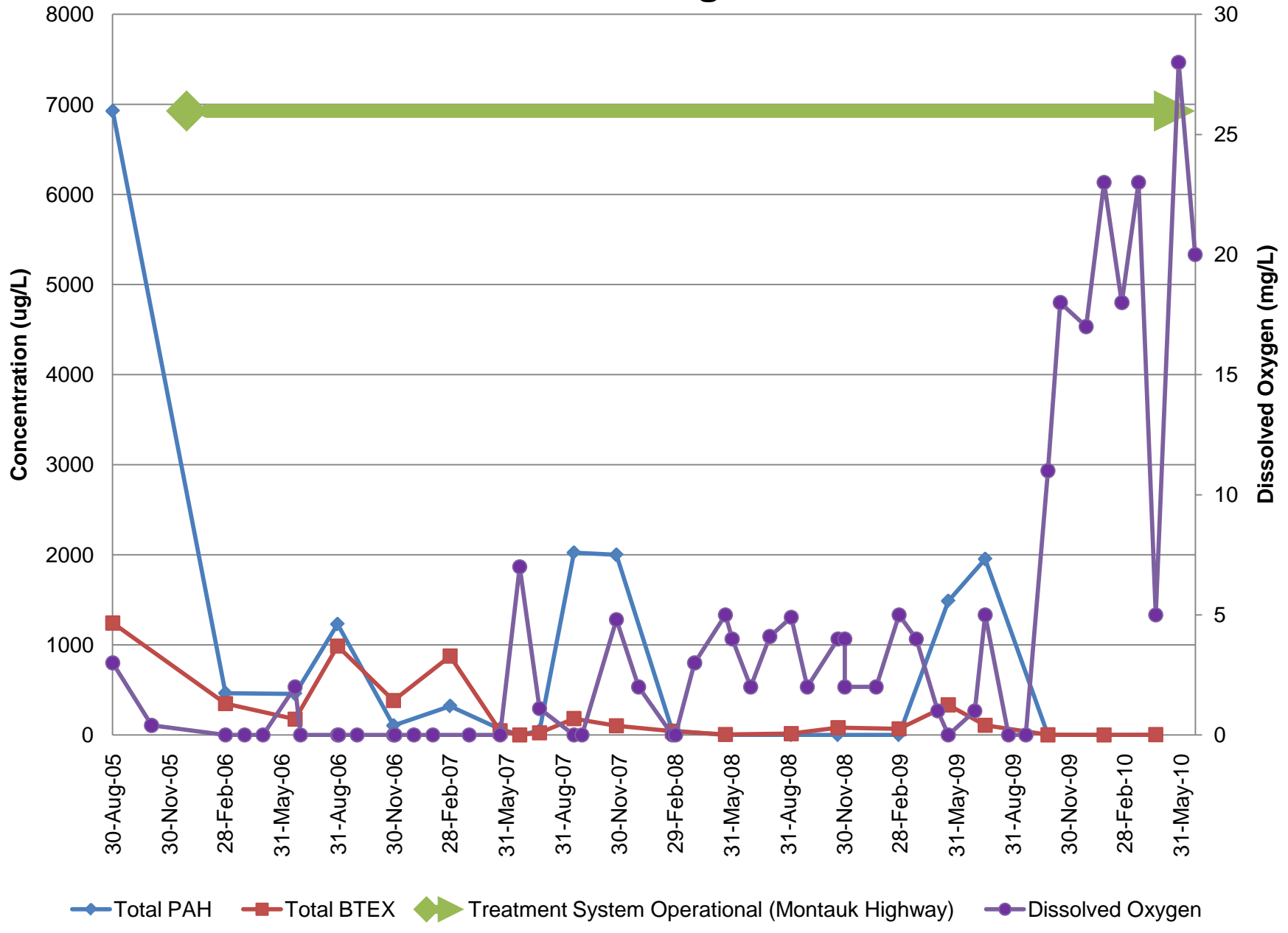
Monitoring Well OU2IW-01S 3-8 ft bgs



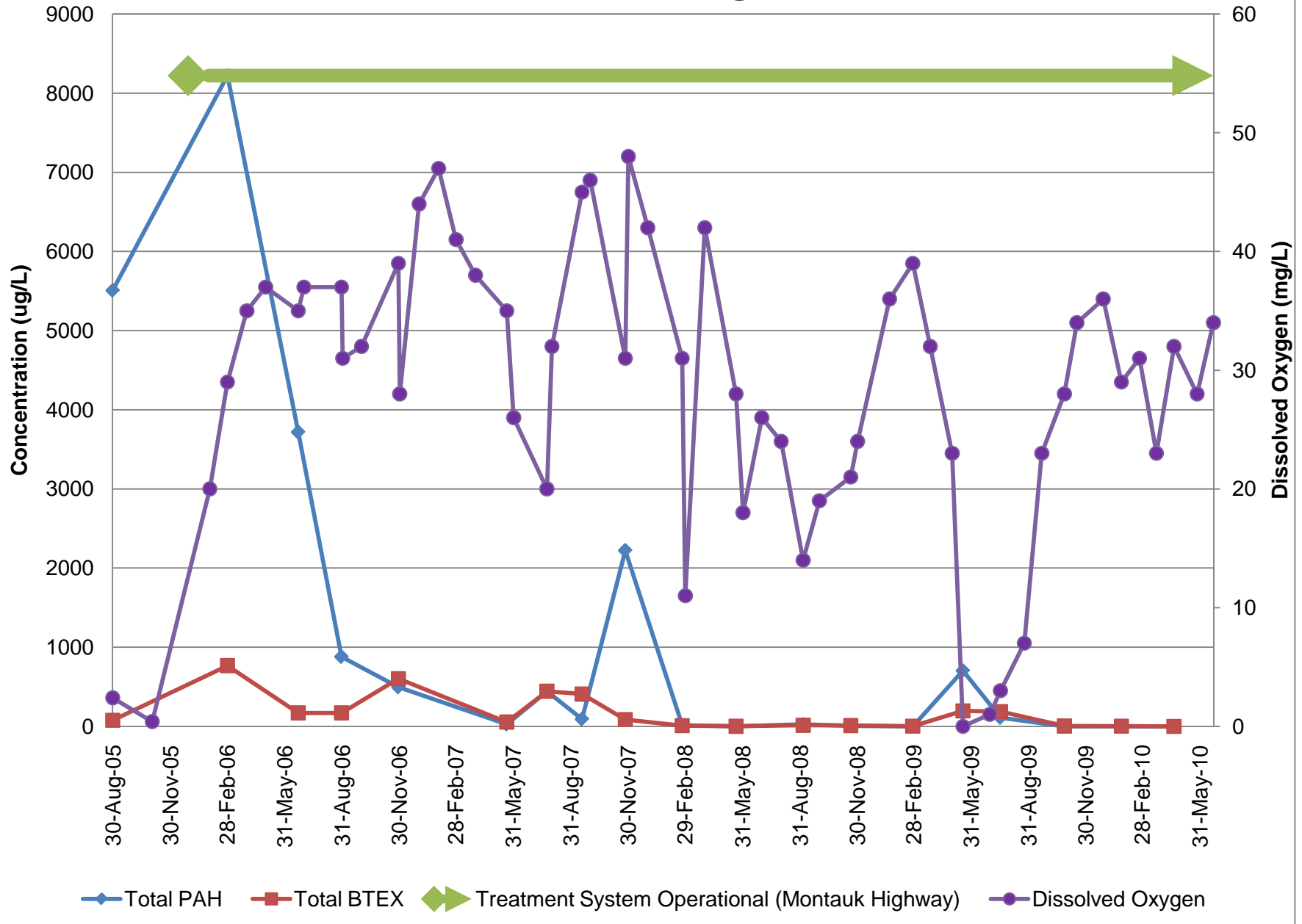
Monitoring Well OU2MW-01WT 3-8 ft bgs

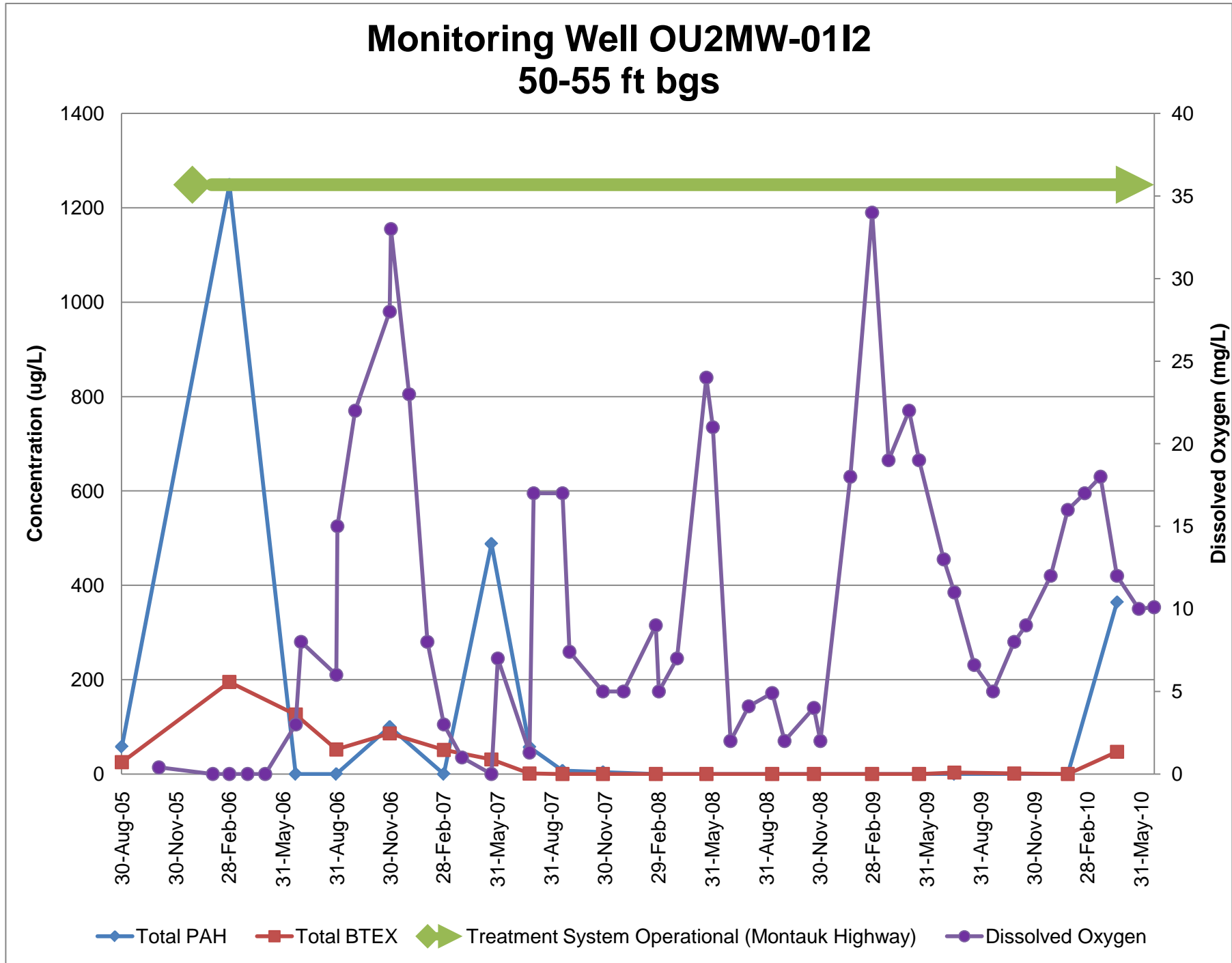


Monitoring Well OU2MW-01S 20-25 ft bgs

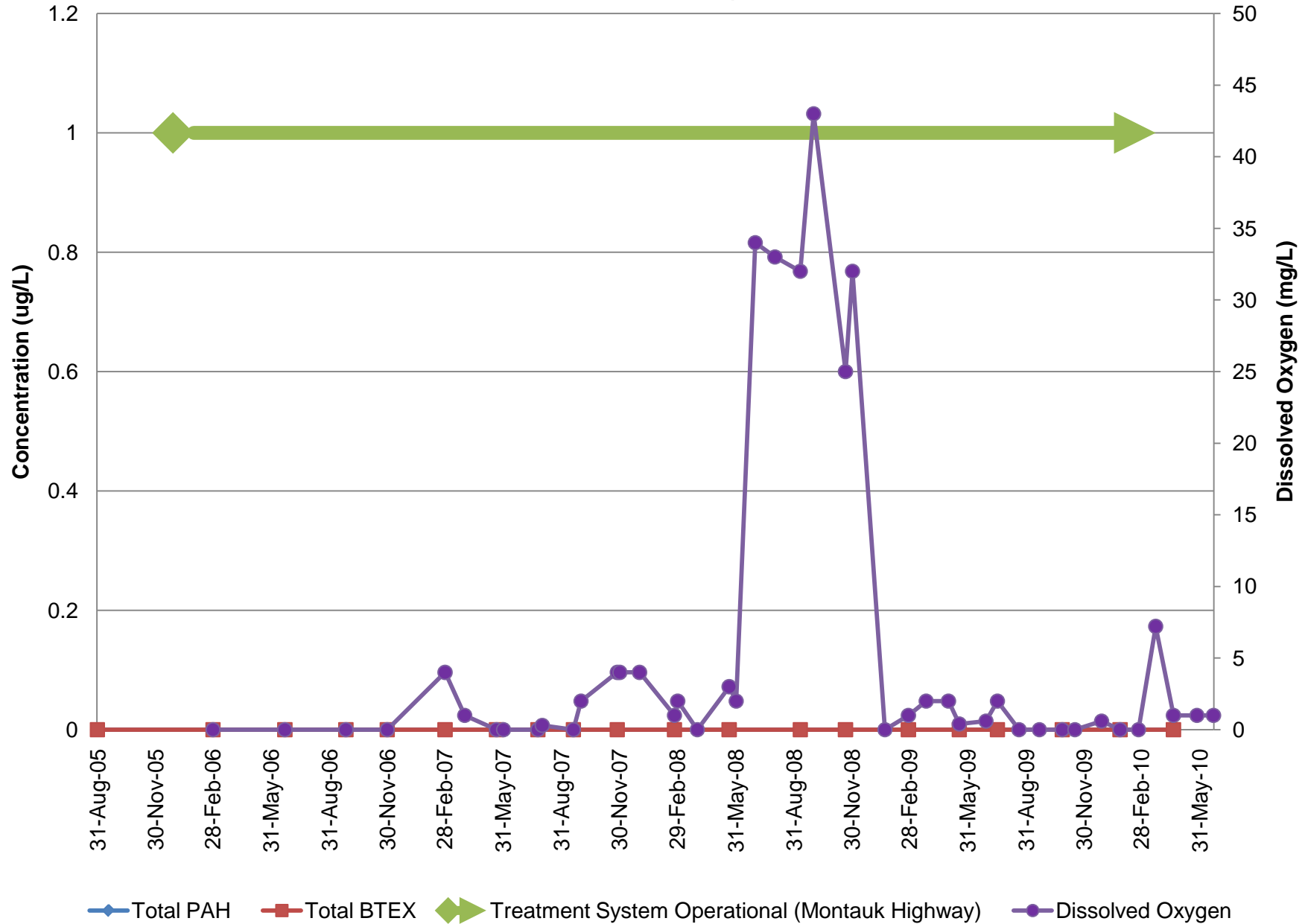


Monitoring Well OU2MW-01I 35-40 ft bgs

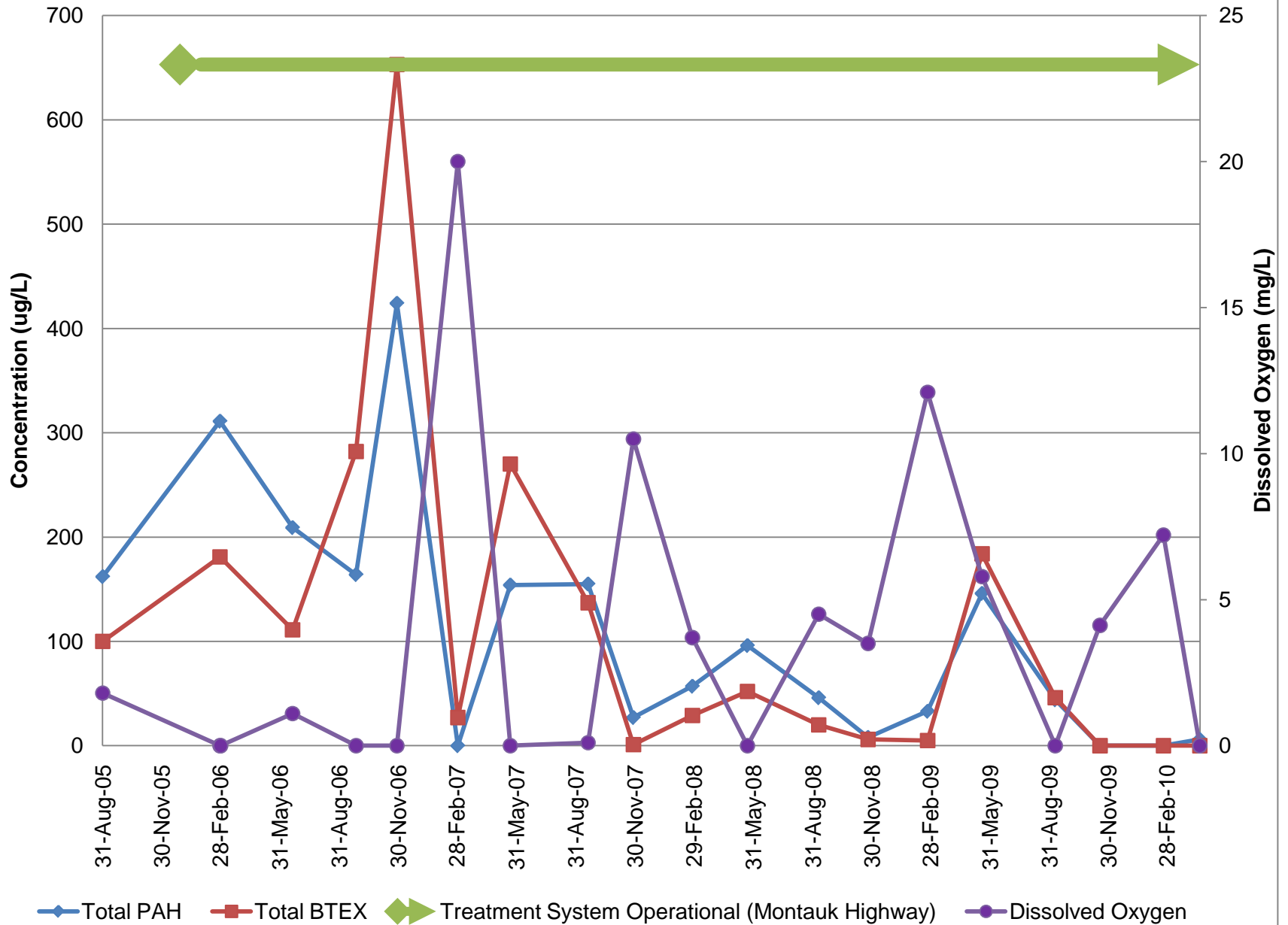




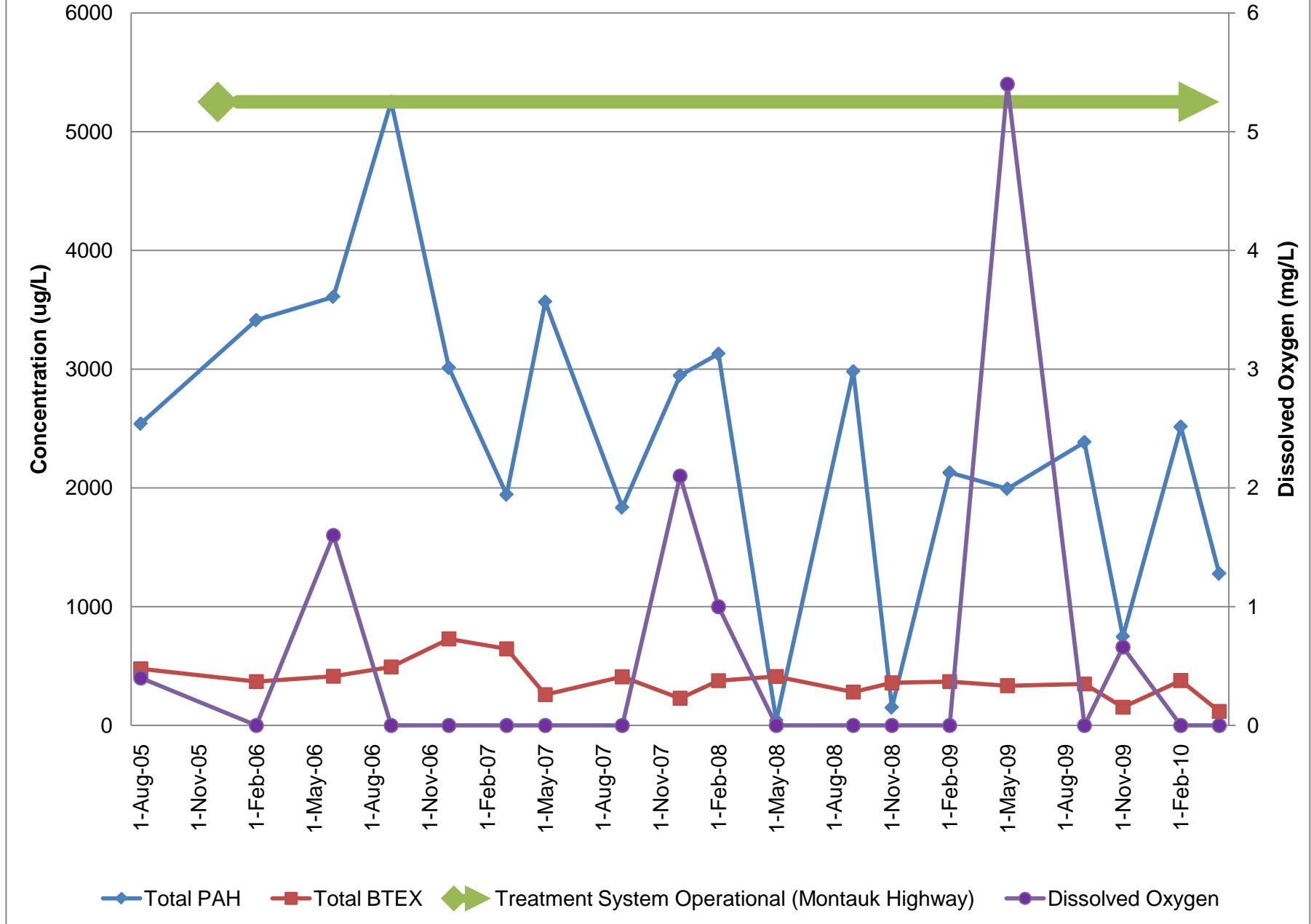
Monitoring Well OU2MW-01D 65-70 ft bgs



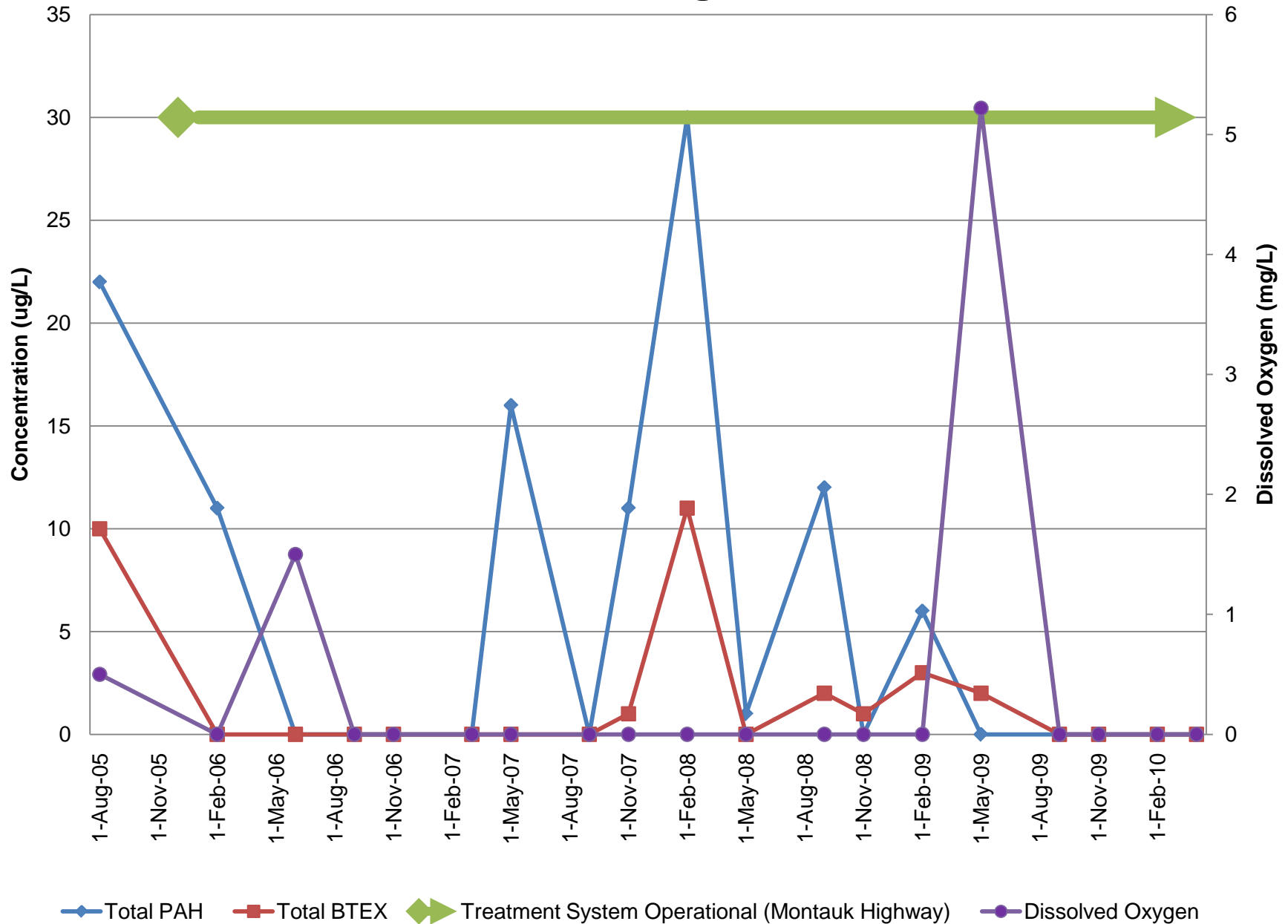
Monitoring Well OU2MW-02S 20-25 ft bgs



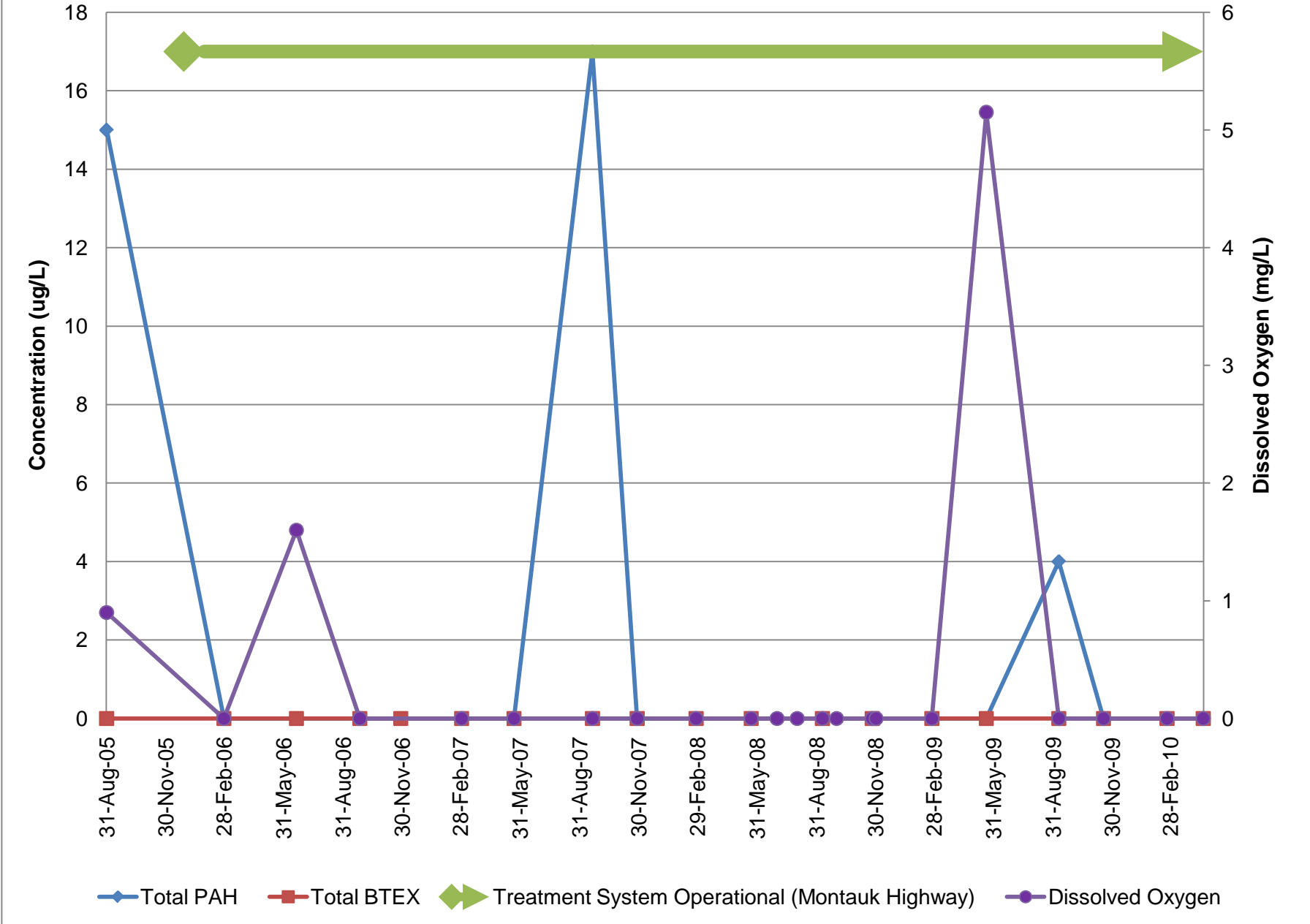
Monitoring Well OU2MW-021 35-40 ft bgs



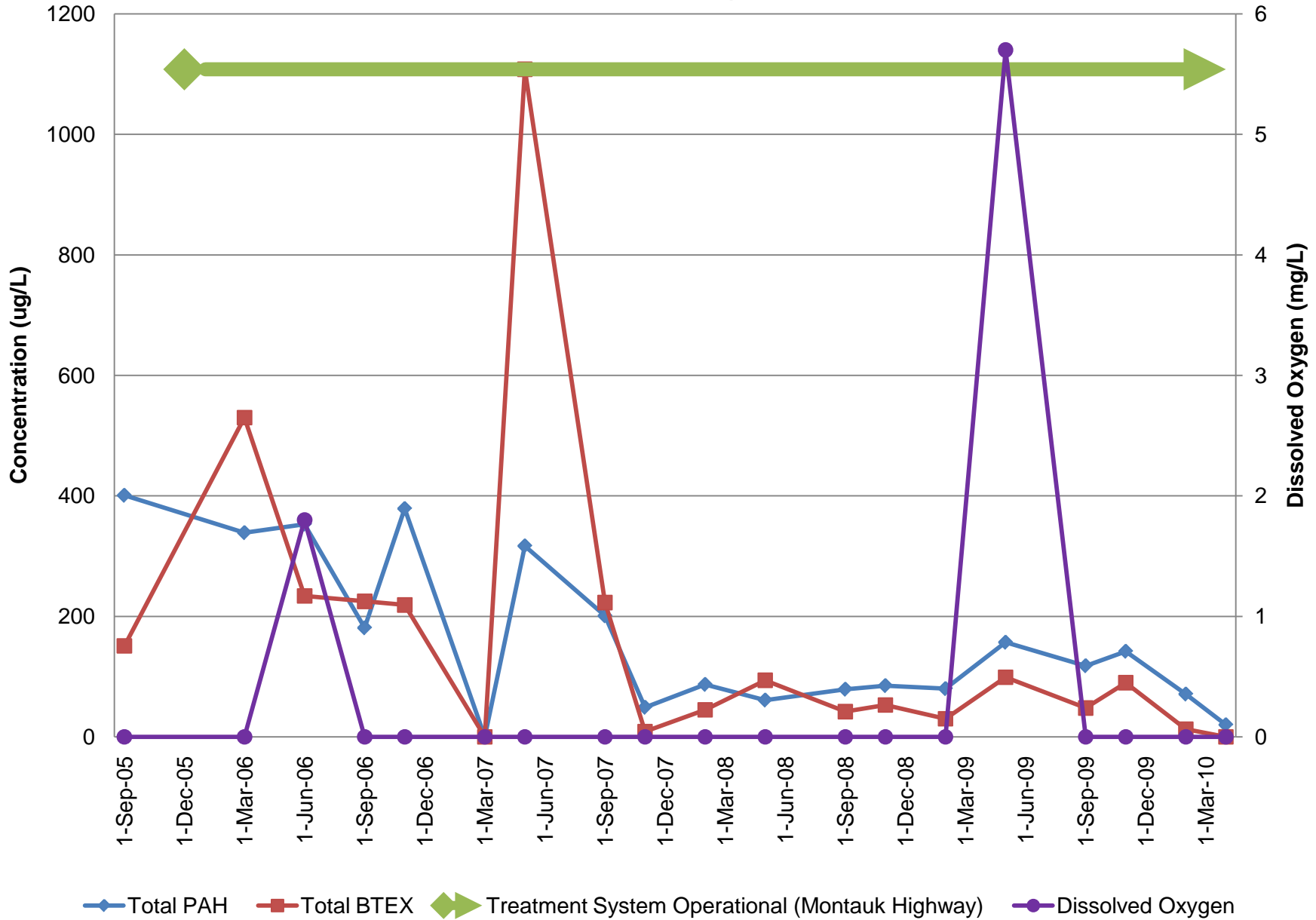
Monitoring Well OU2MW-02I2 50-55 ft bgs



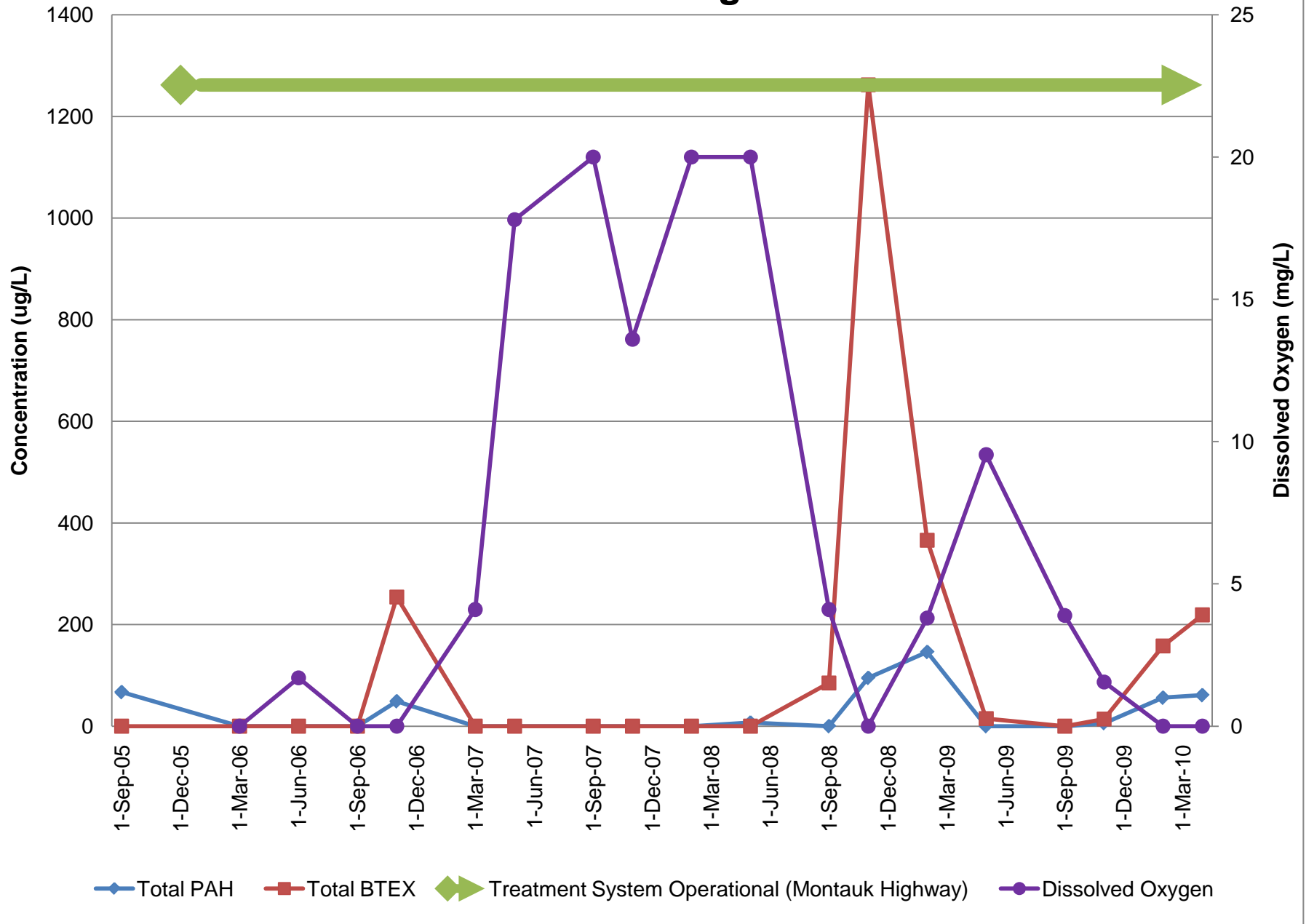
Monitoring Well OU2MW-02D 65-70 ft bgs



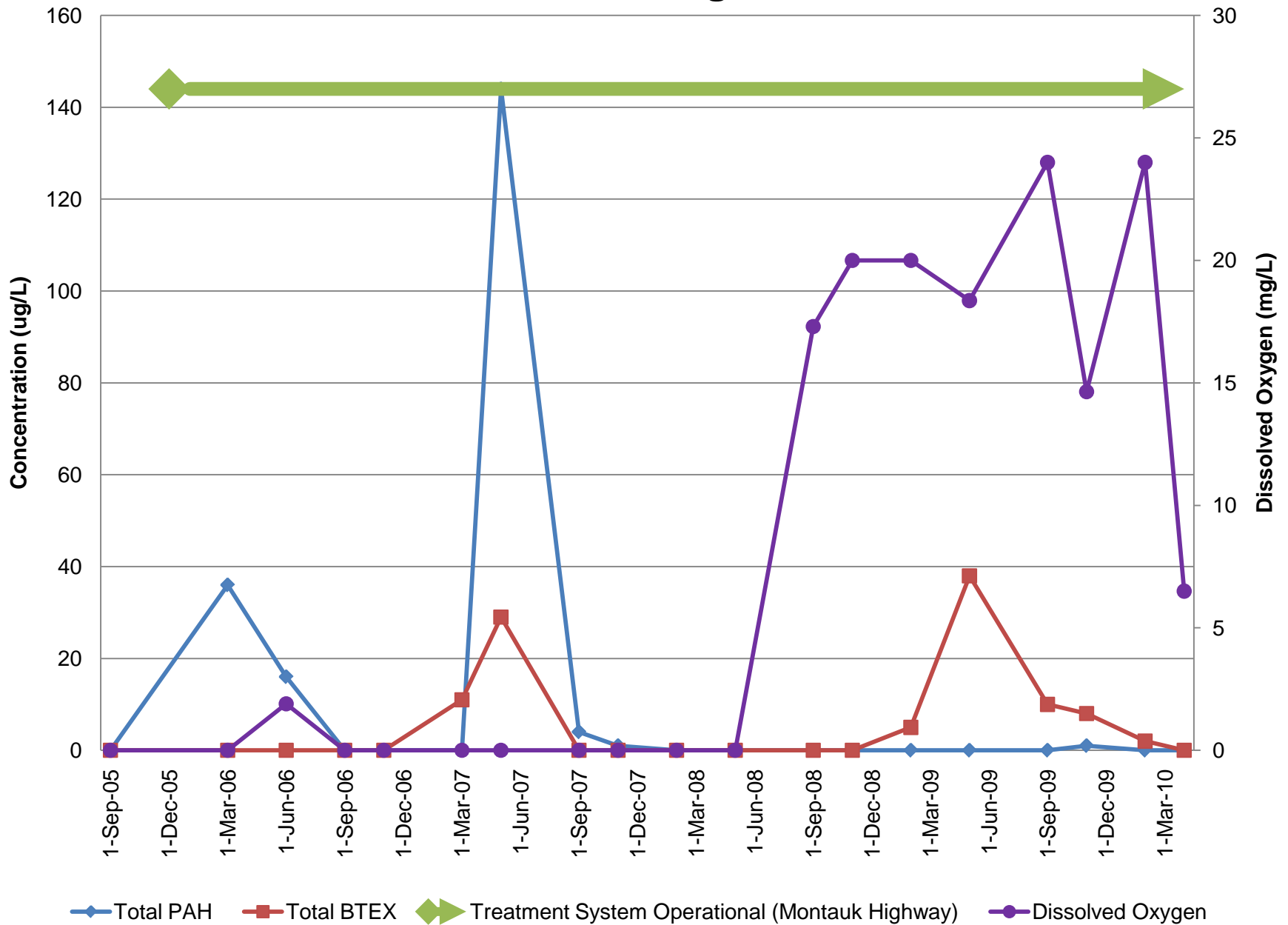
Monitoring Well OU2MW-03S 20-25 ft bgs



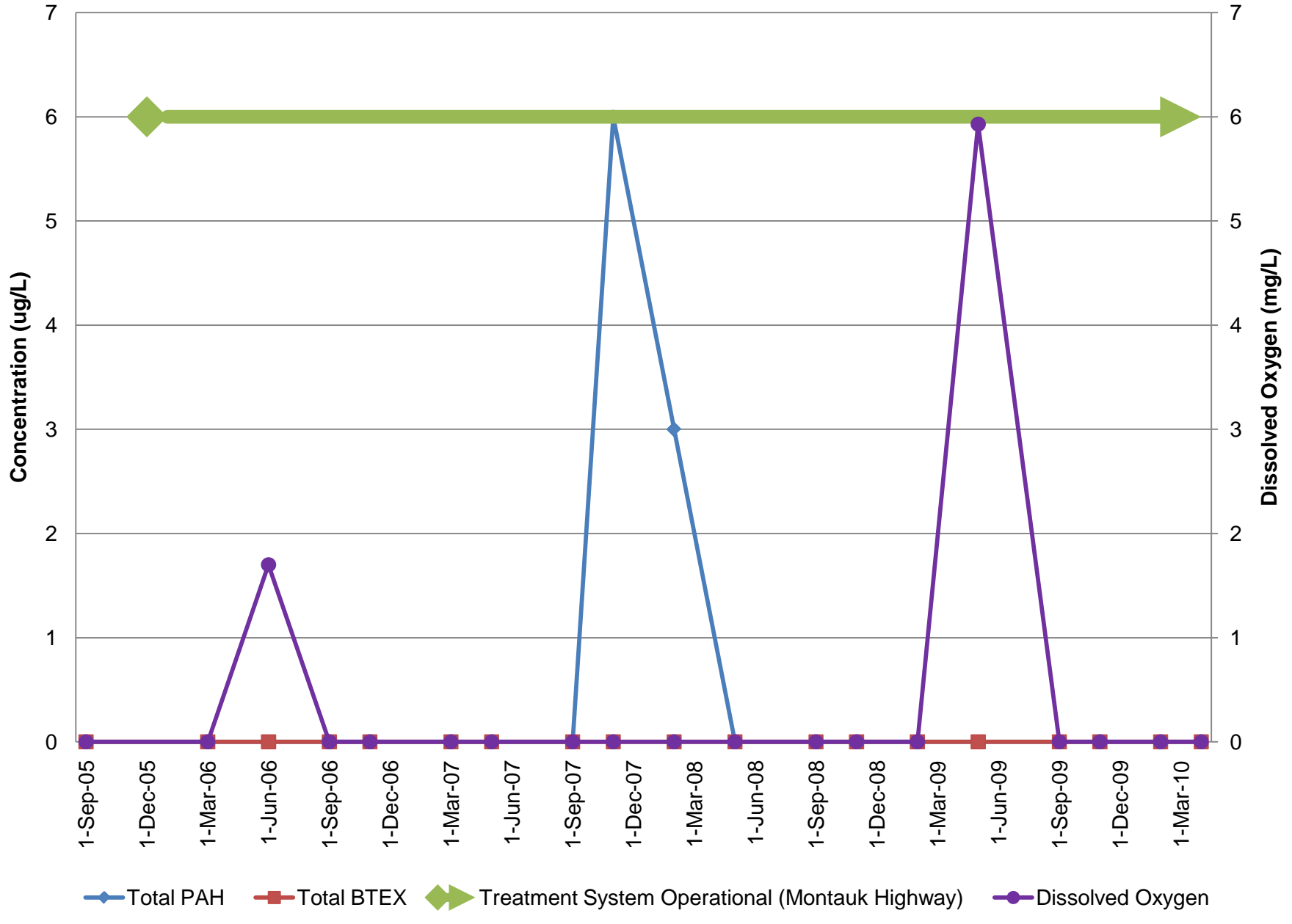
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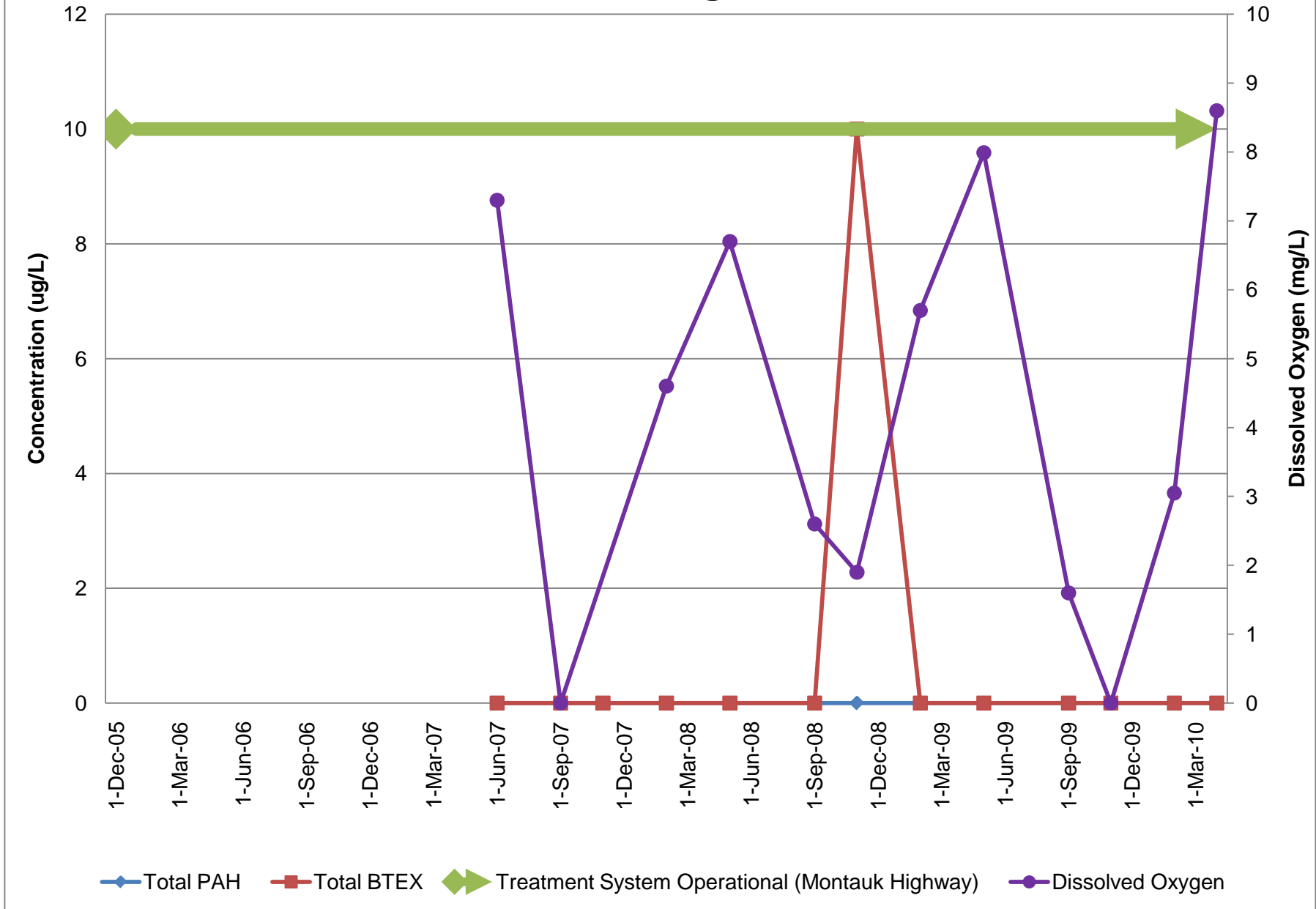
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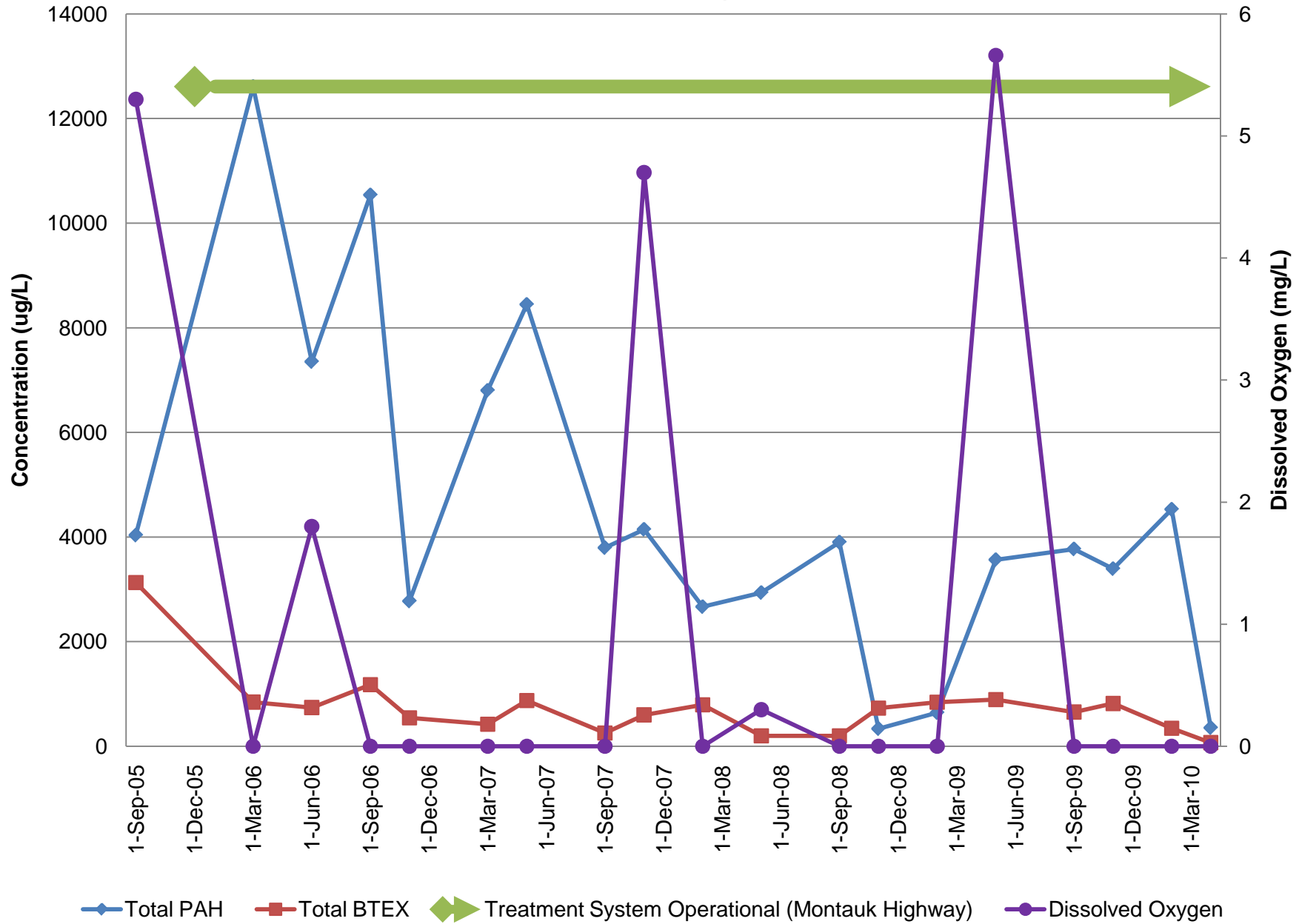
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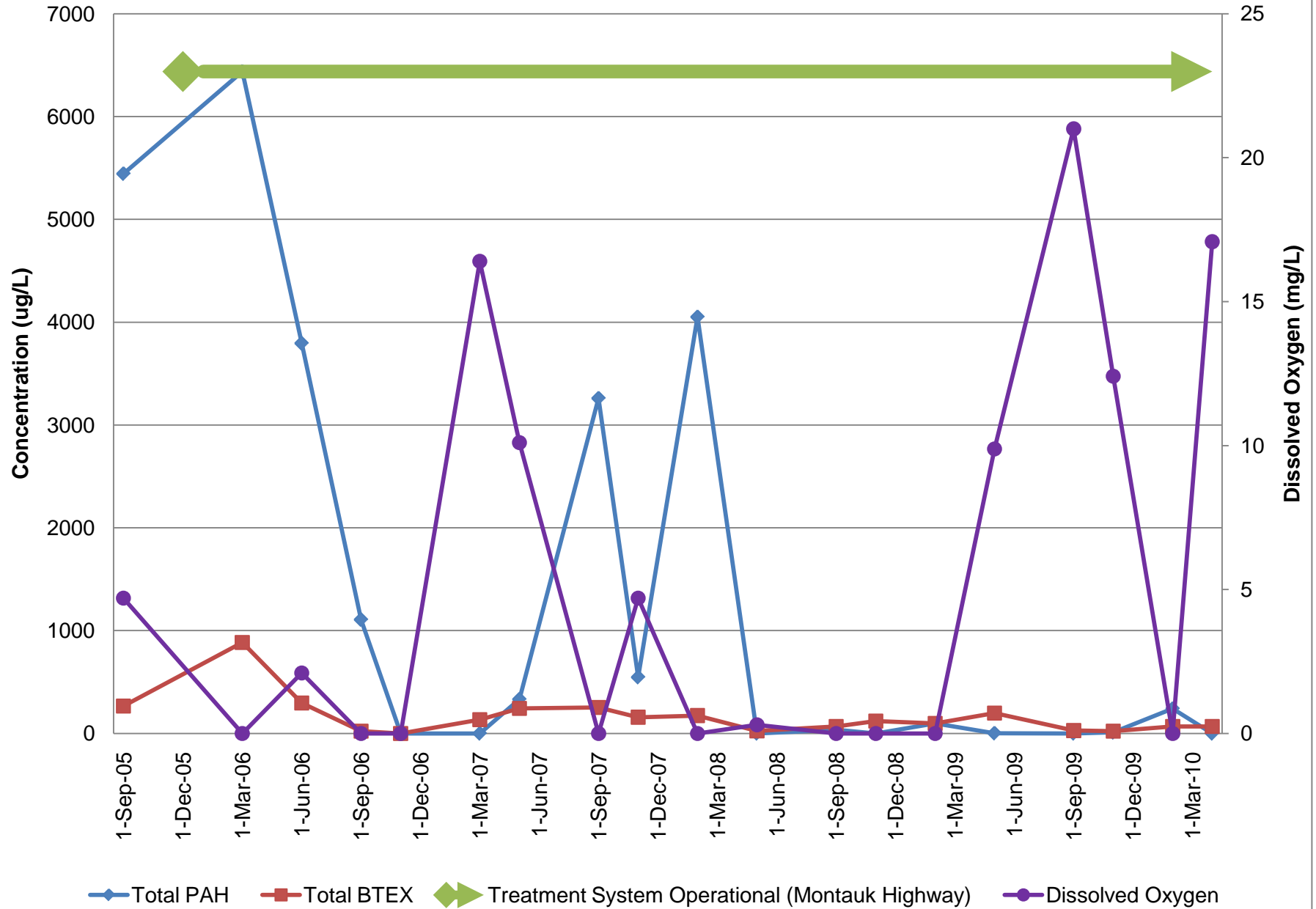
Monitoring Well OU2MW-04WT 3-8 ft bgs



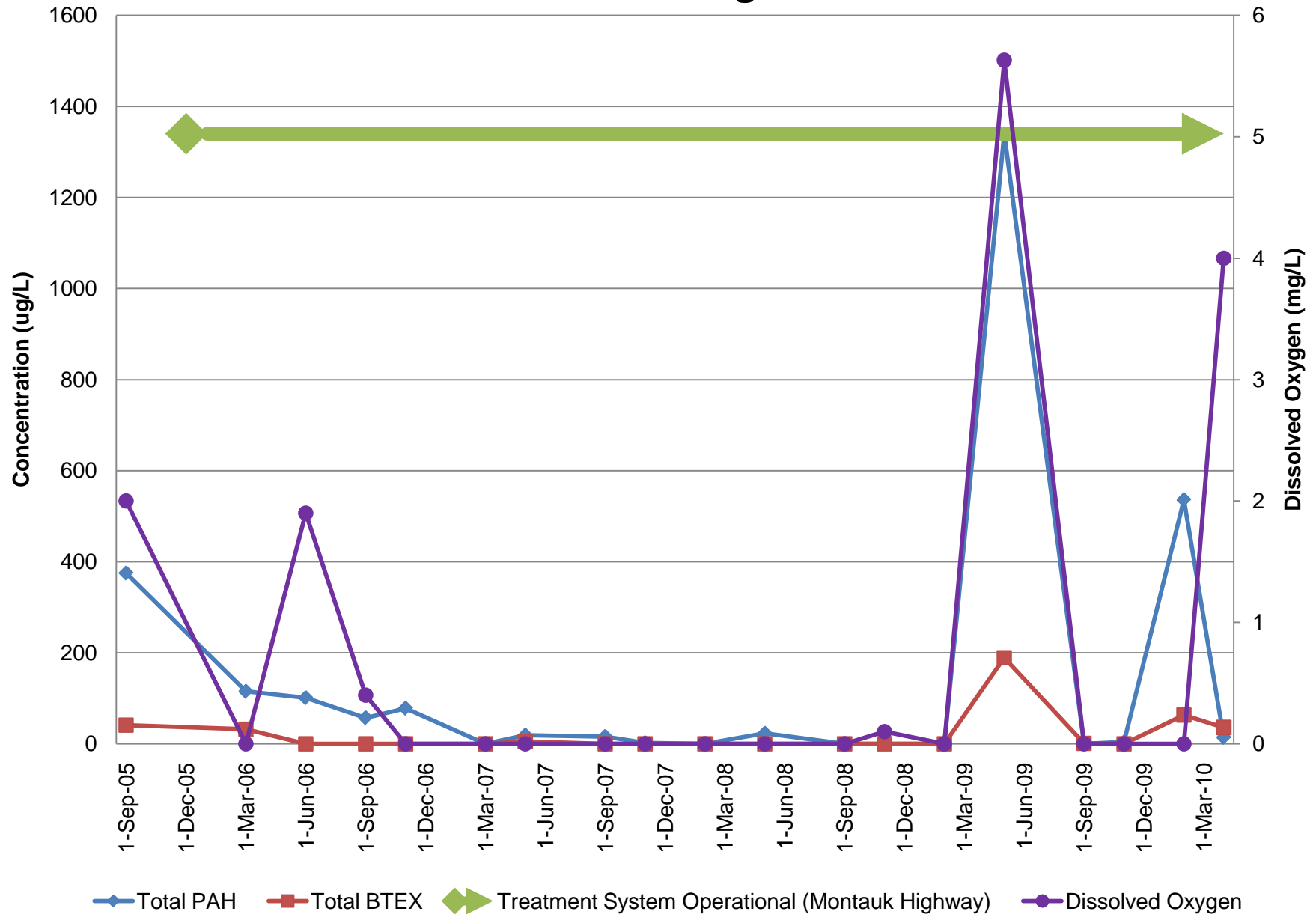
Monitoring Well OU2MW-04S 20-25 ft bgs



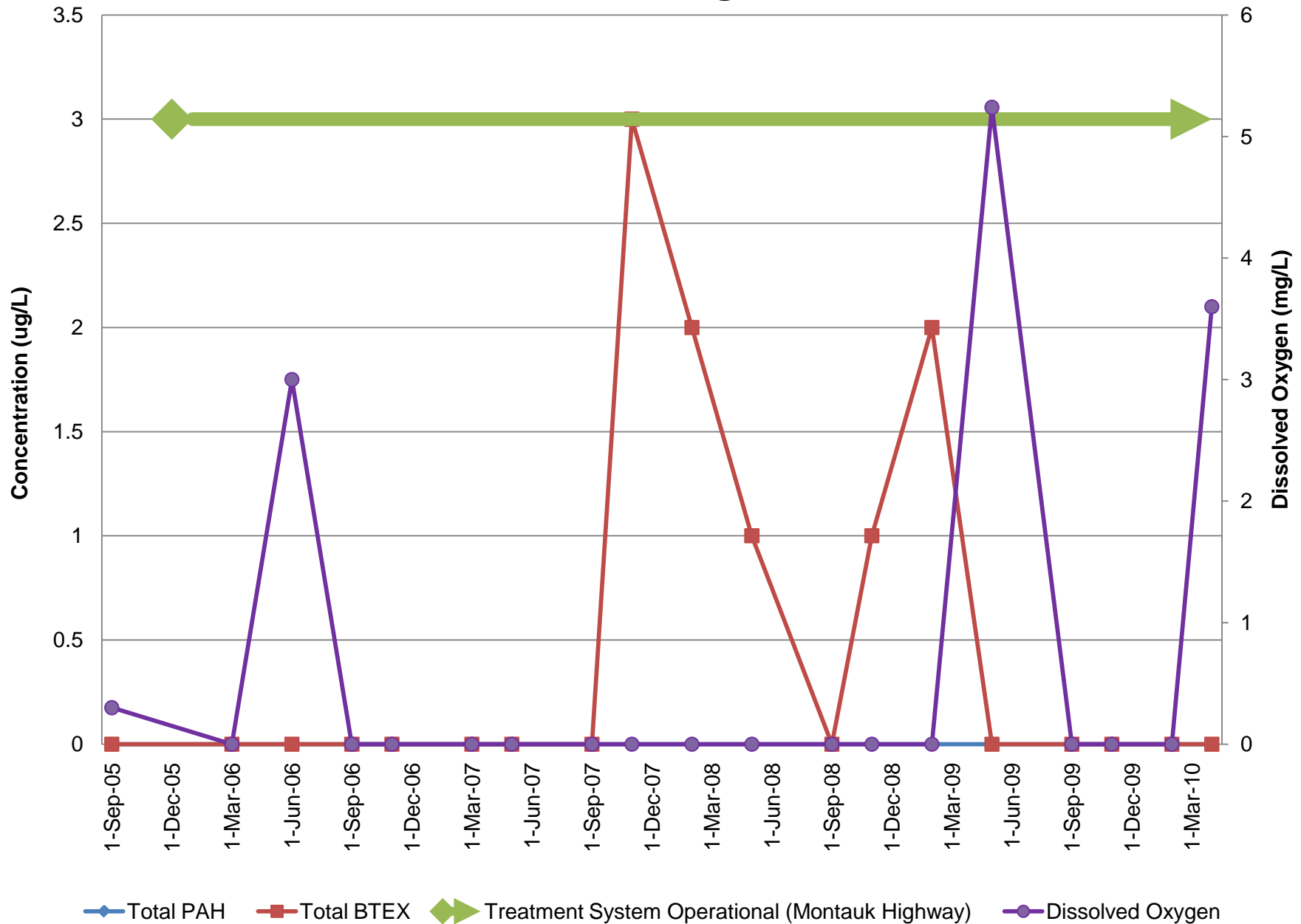
Monitoring Well OU2MW-04I 35-40 ft bgs



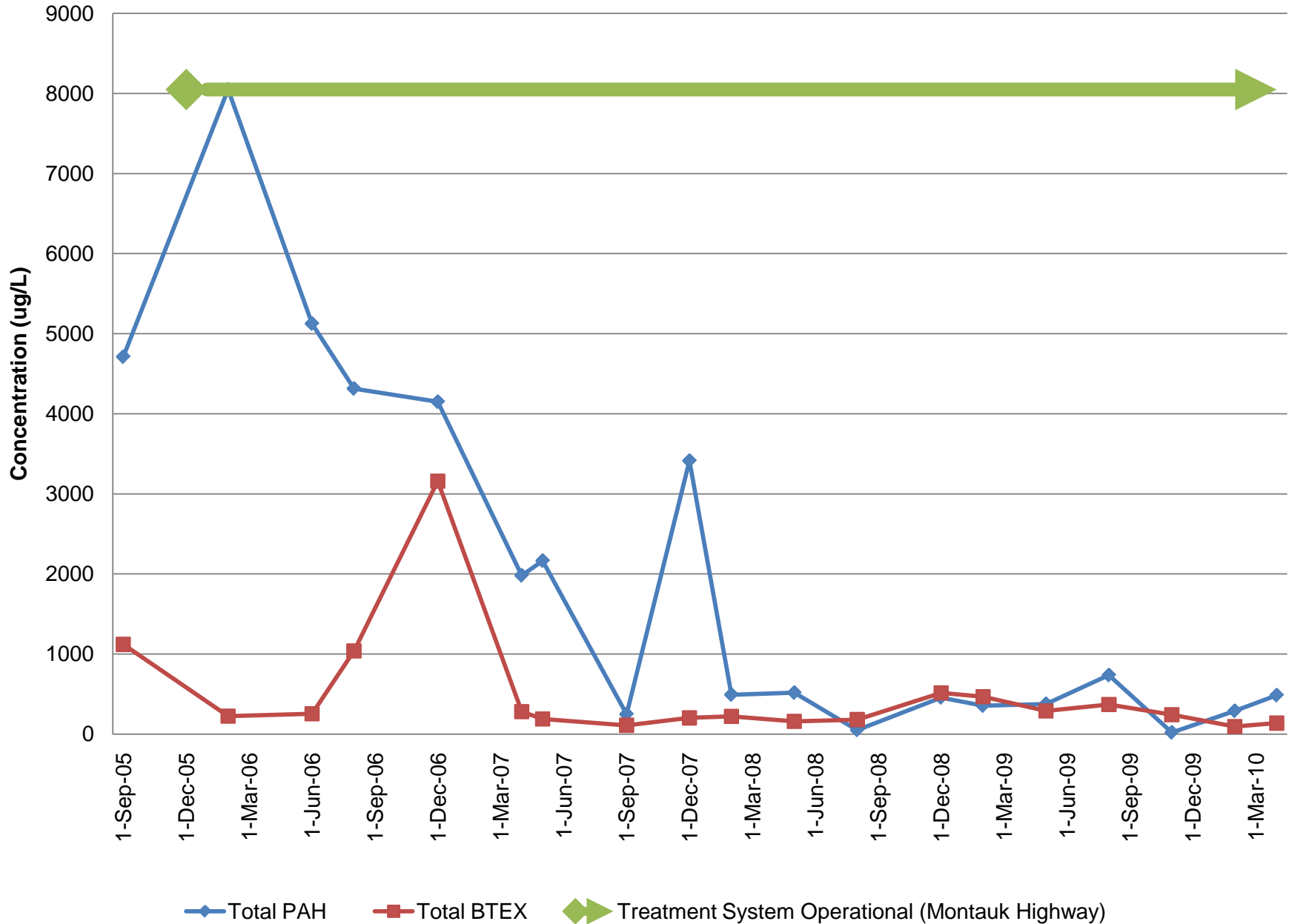
Monitoring Well OU2MW-04I2 50-55 ft bgs



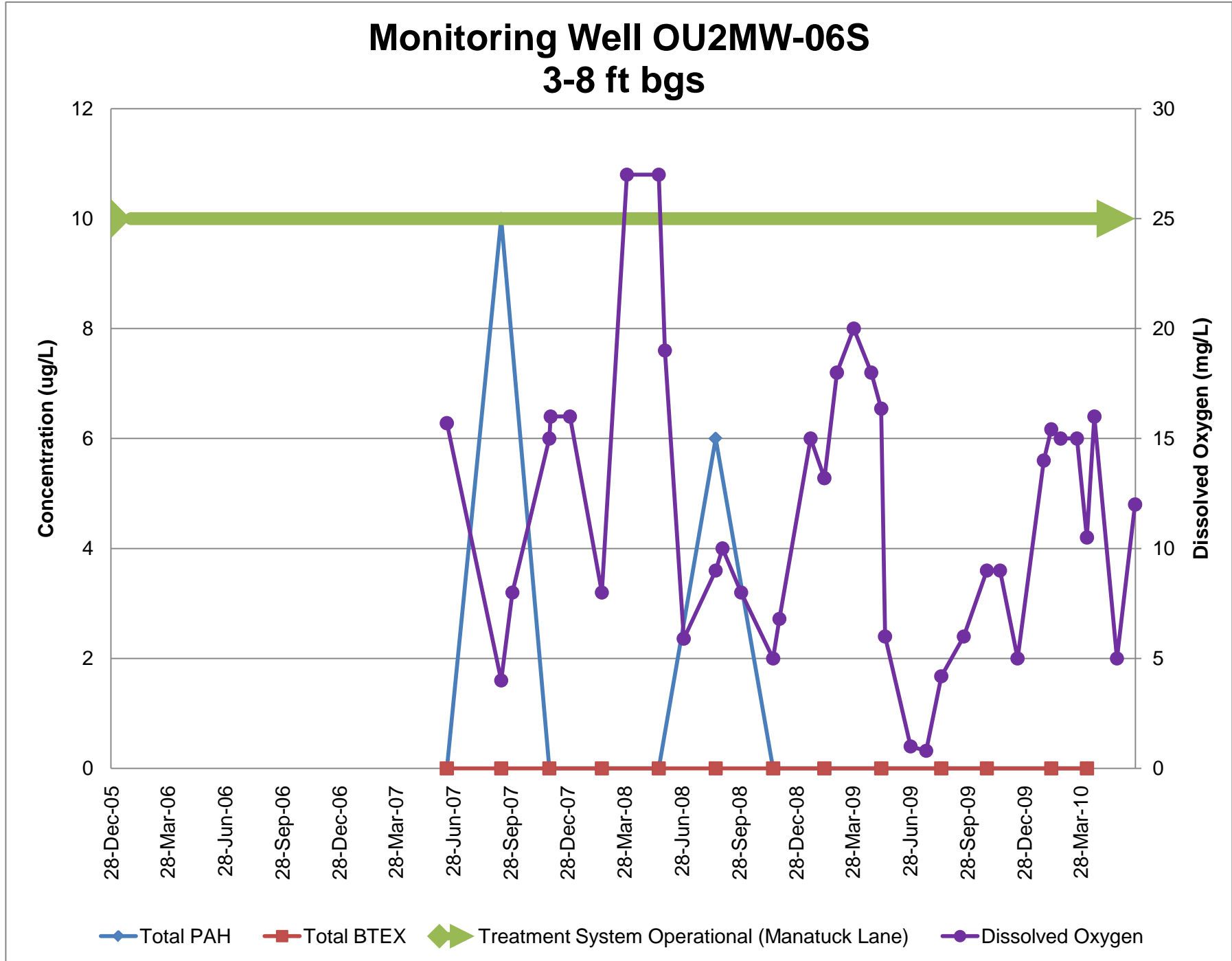
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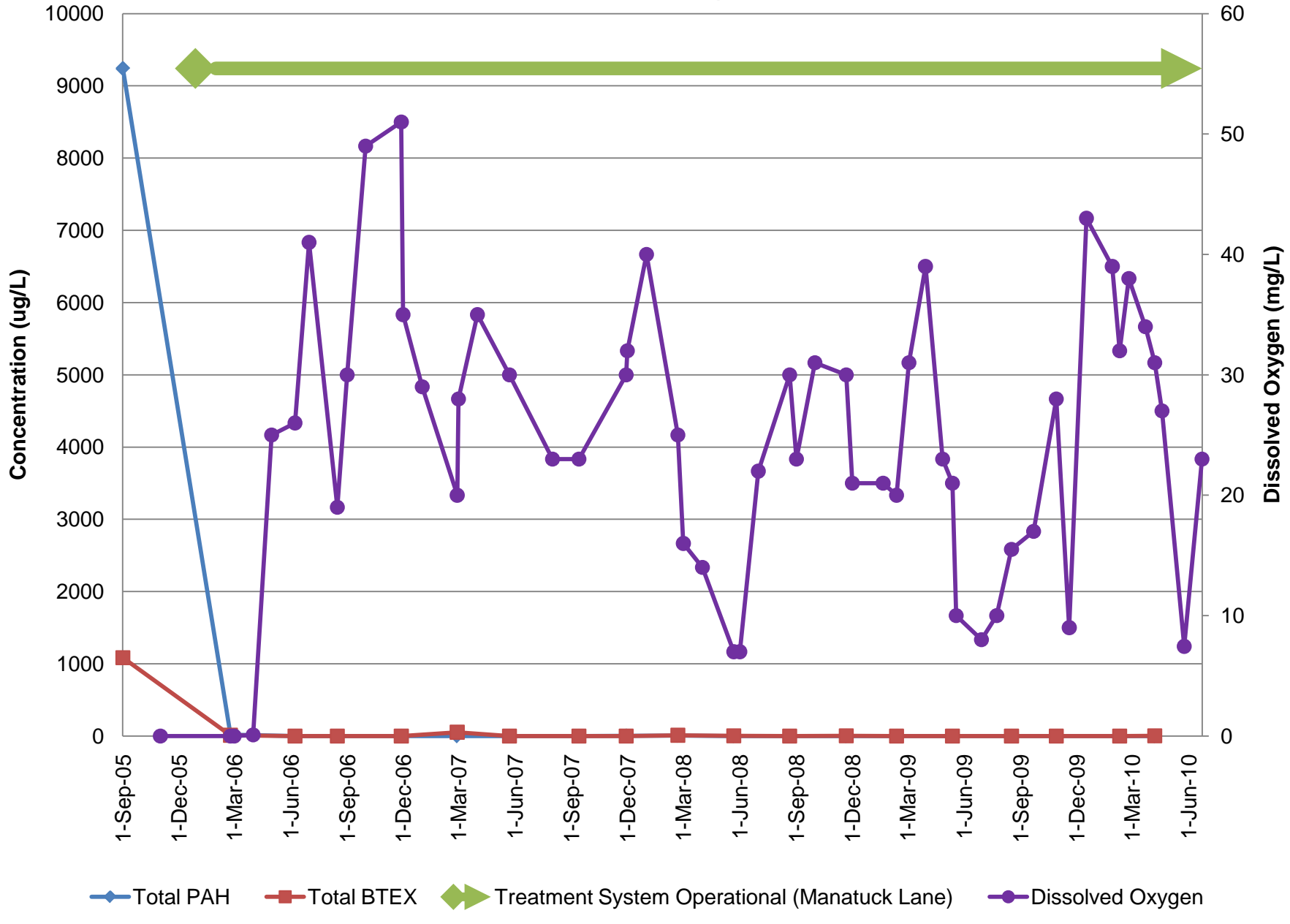
Monitoring Well OU2MW-05 25-35 ft bgs



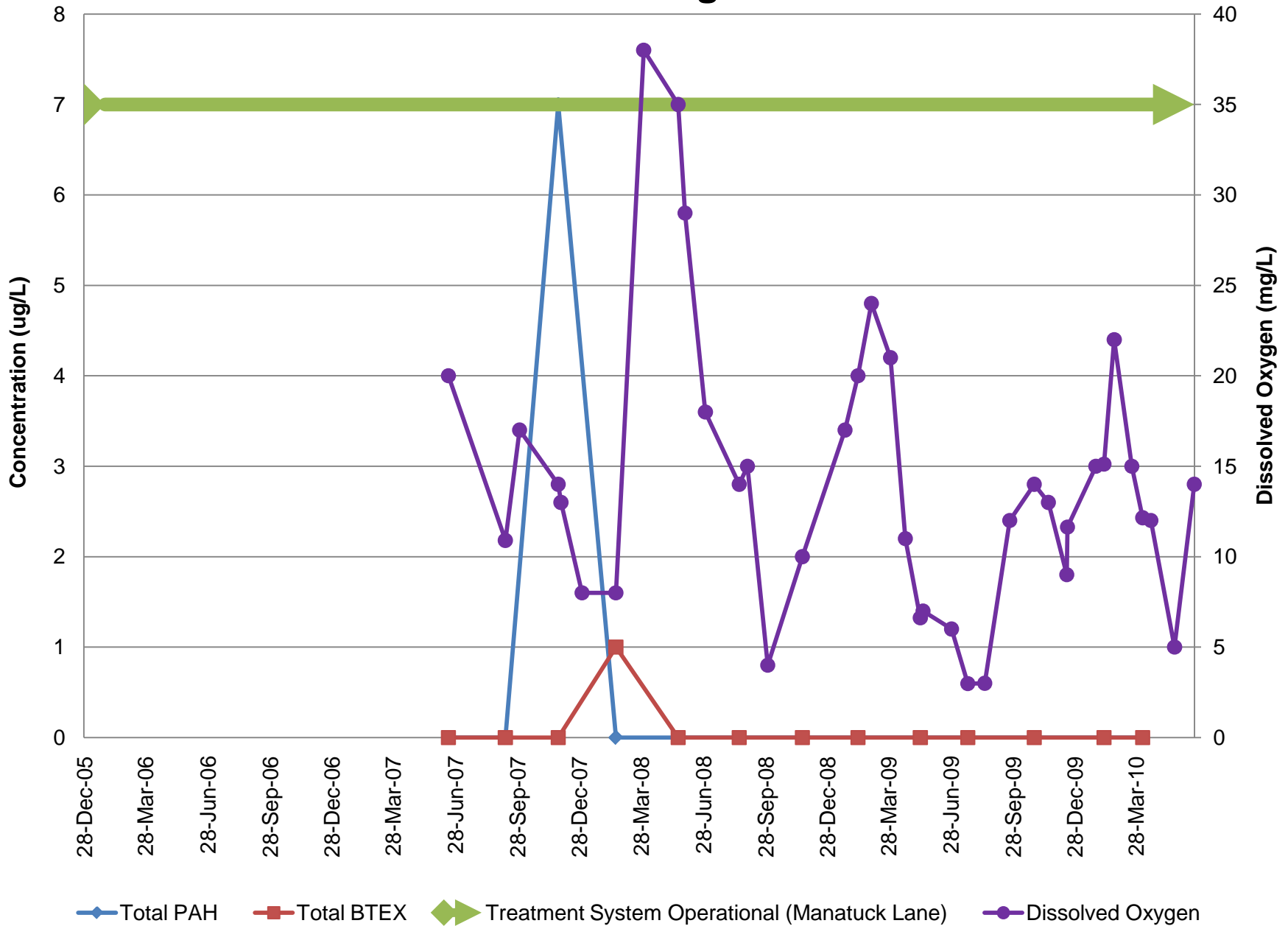
Monitoring Well OU2MW-06S 3-8 ft bgs

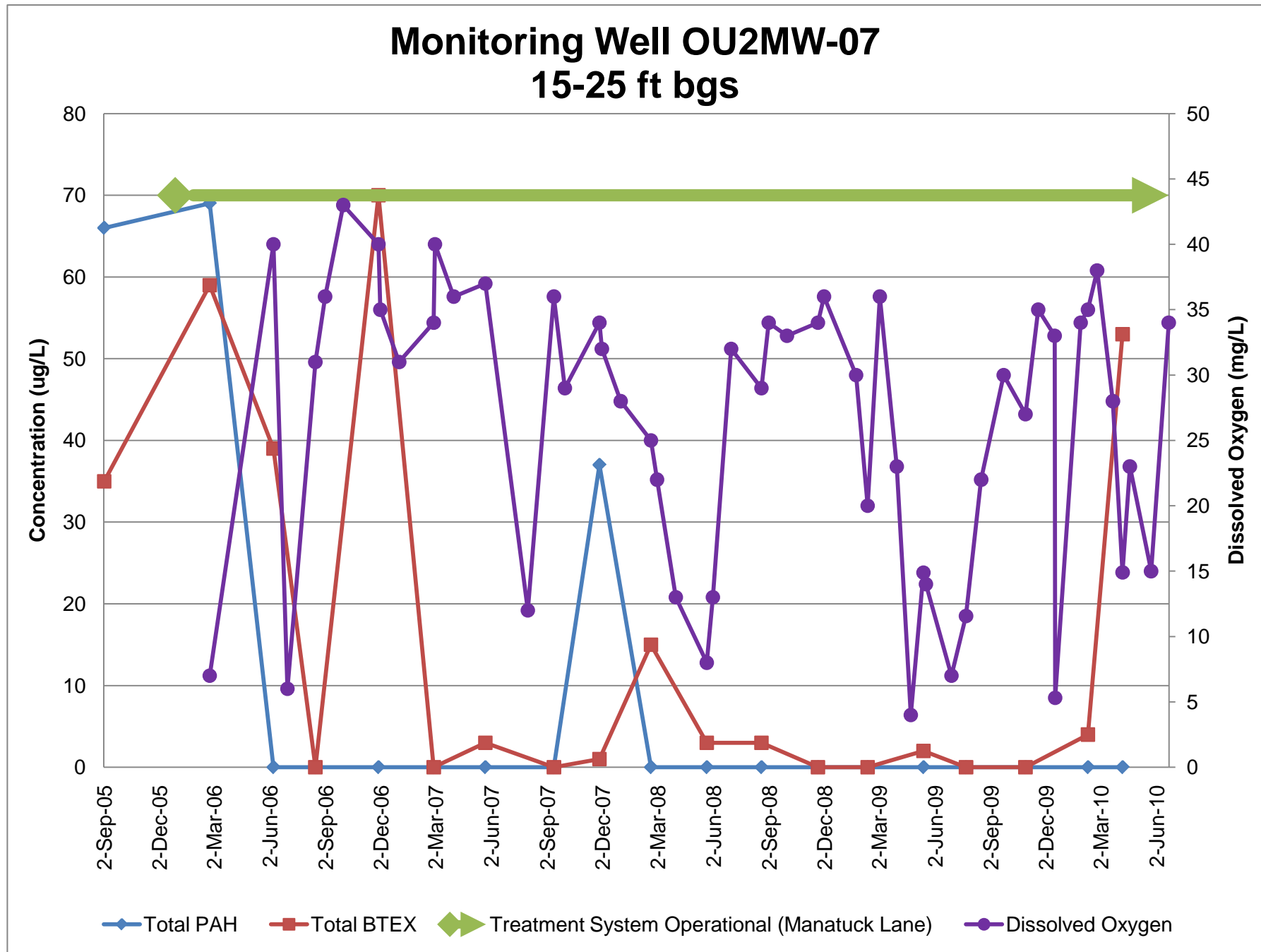


Monitoring Well OU2MW-06 15-25 ft bgs

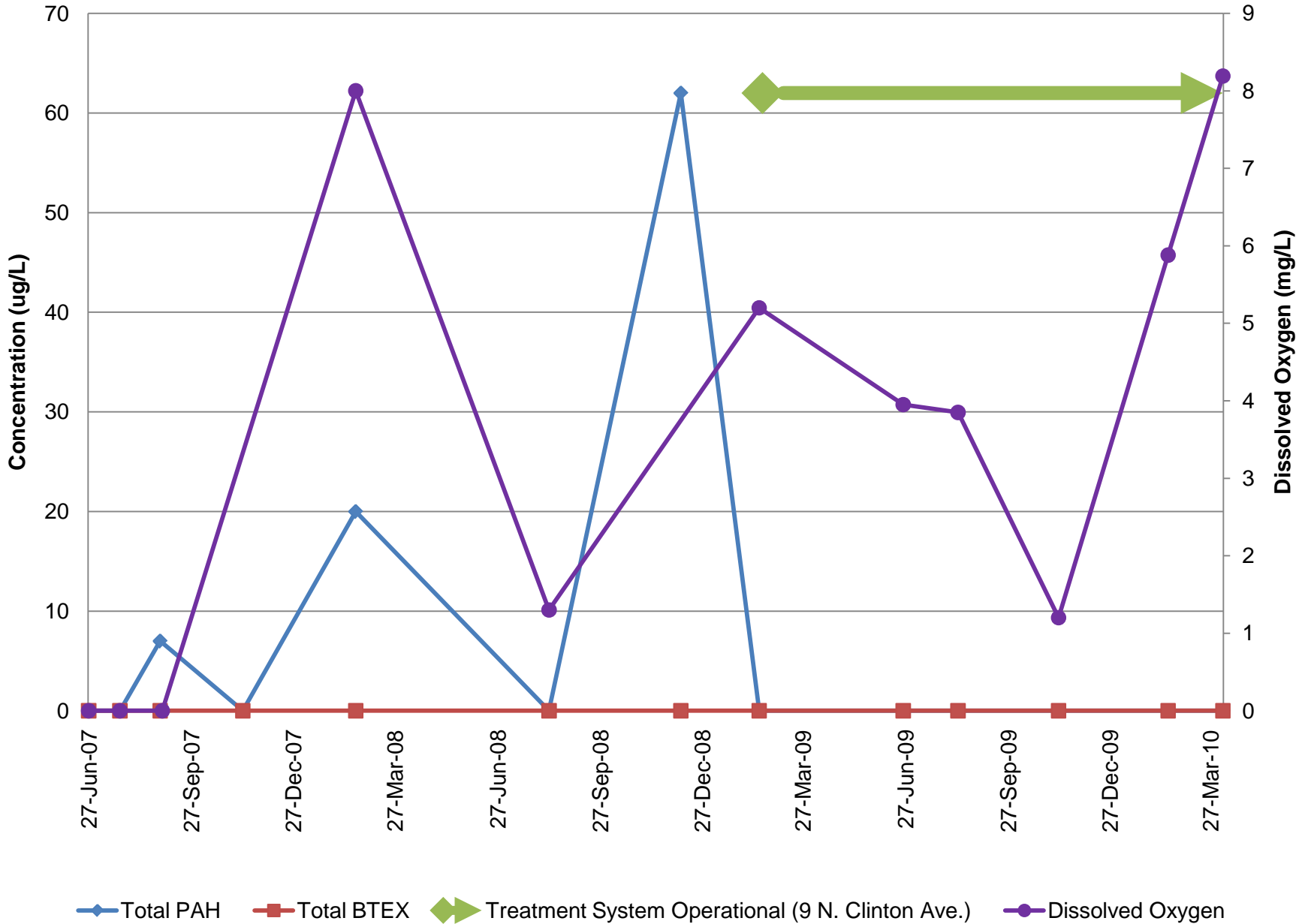


Monitoring Well OU2MW-07S 3-8 ft bgs

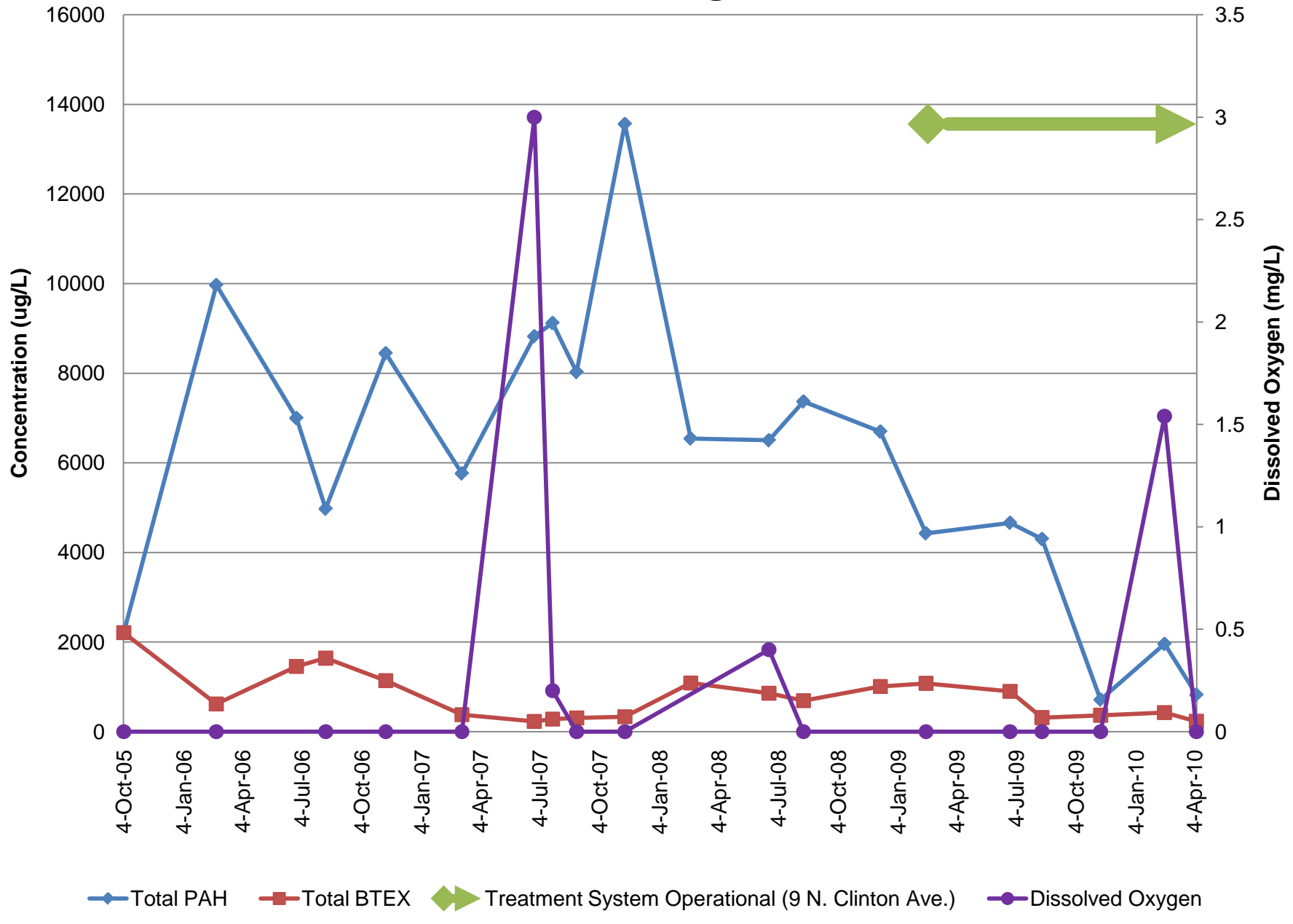




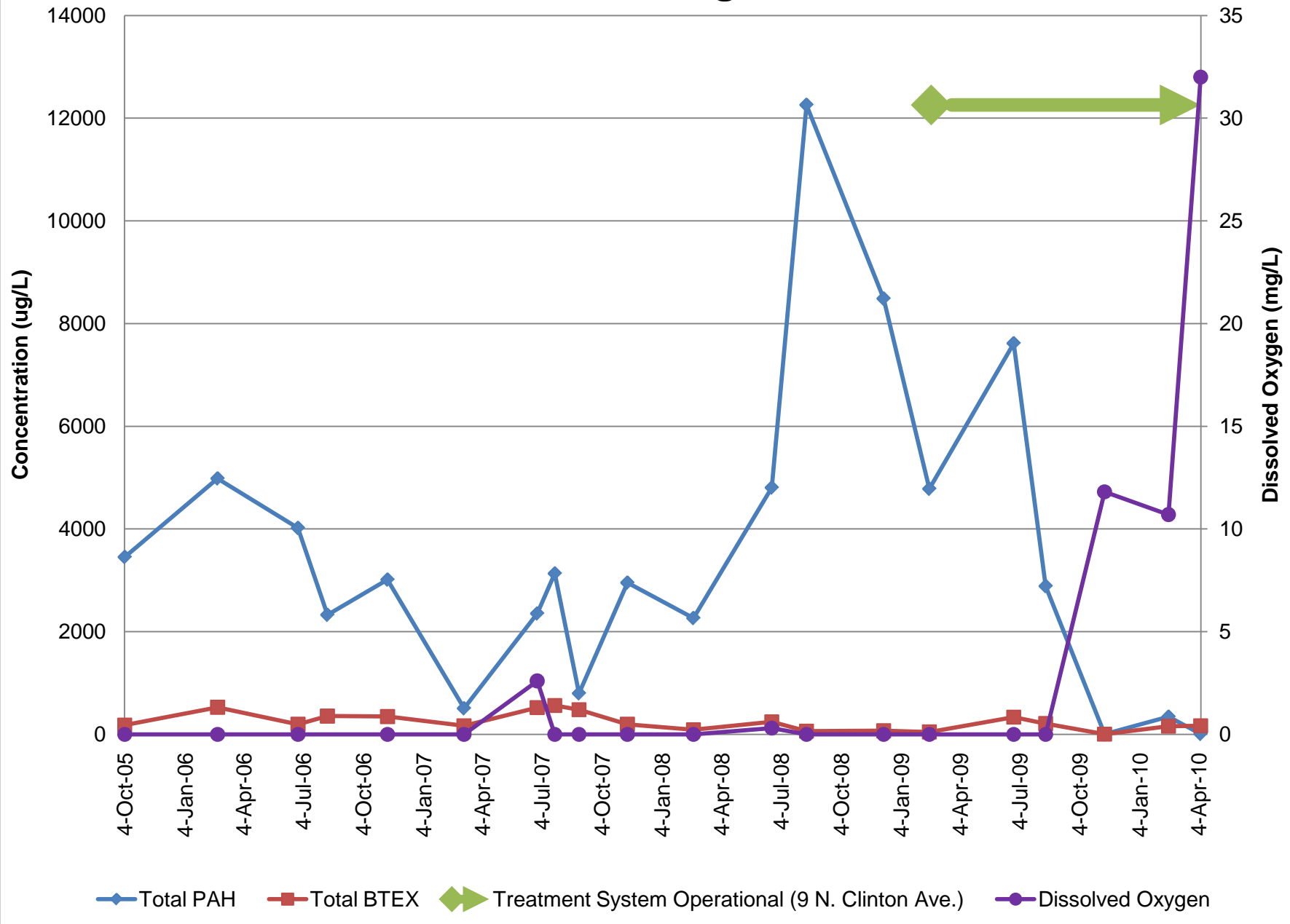
Monitoring Well OU2MW-08WT 3-8 ft bgs



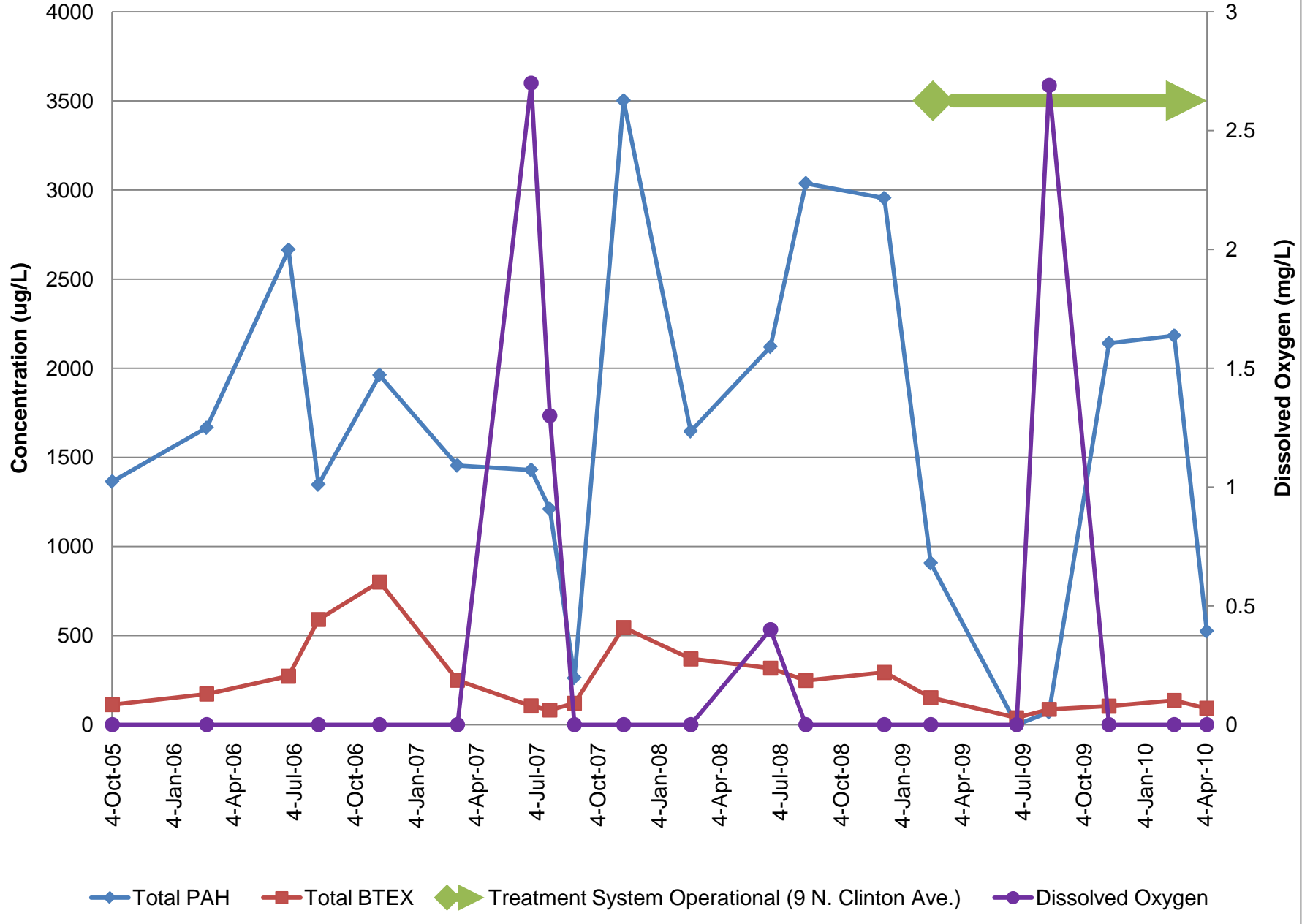
Monitoring Well OU2MW-08S 20-25 ft bgs



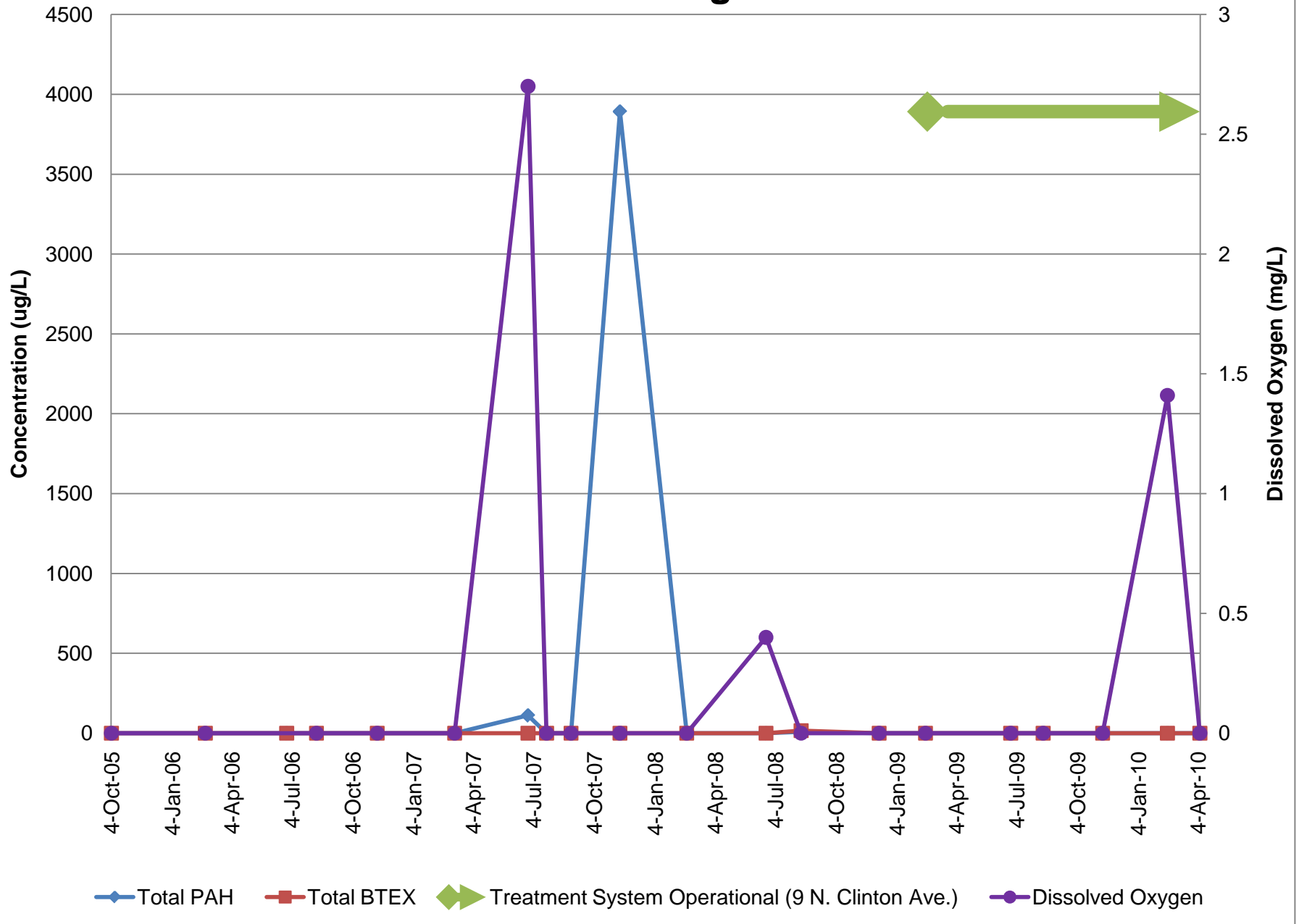
Monitoring Well OU2MW-081 35-40 ft bgs



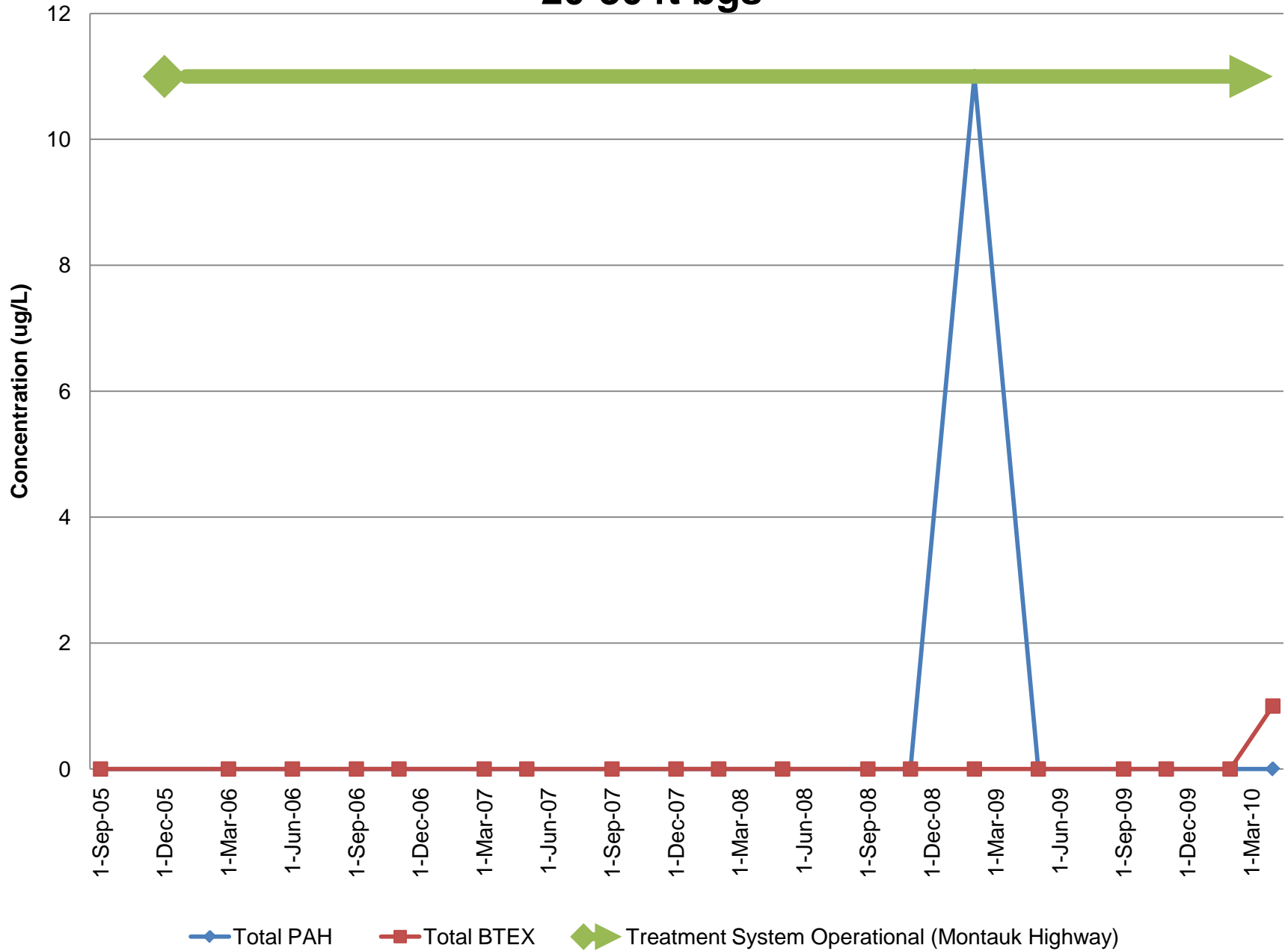
Monitoring Well OU2MW-08I2 50-55 ft bgs



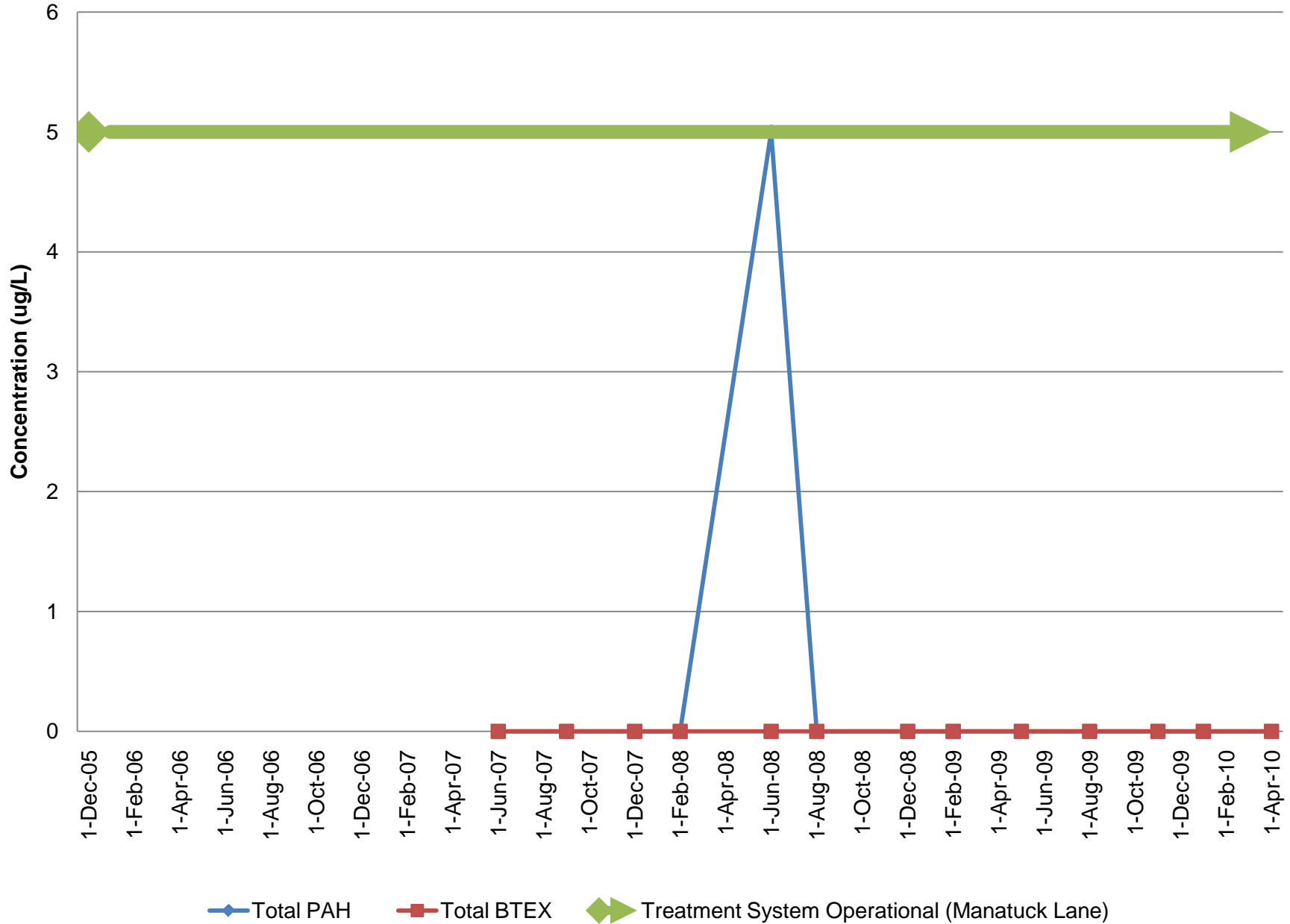
Monitoring Well OU2MW-08D 65-70 ft bgs



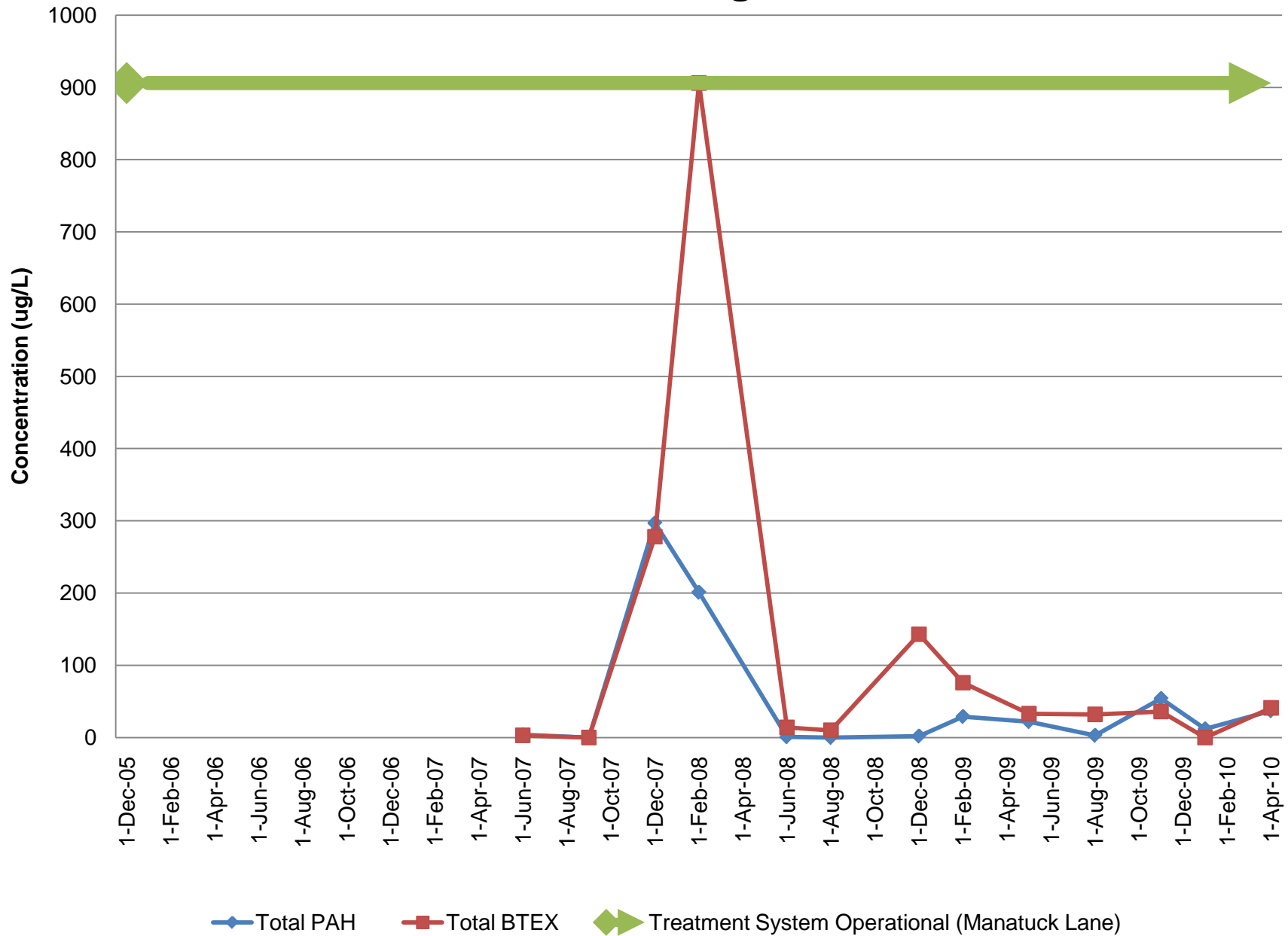
Monitoring Well OU2MW-09 20-30 ft bgs



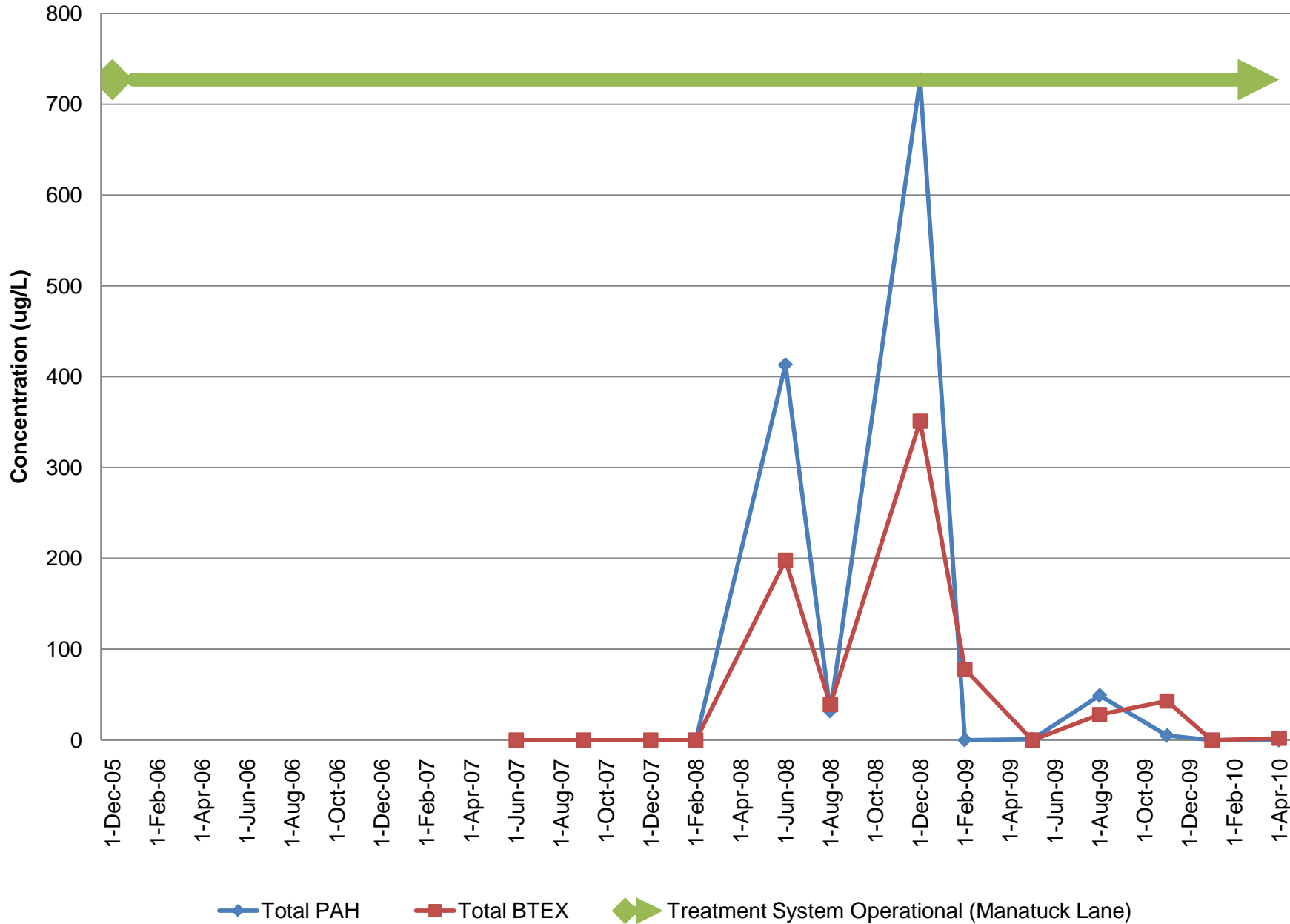
Monitoring Well OU2MW-10S 3-7 ft bgs



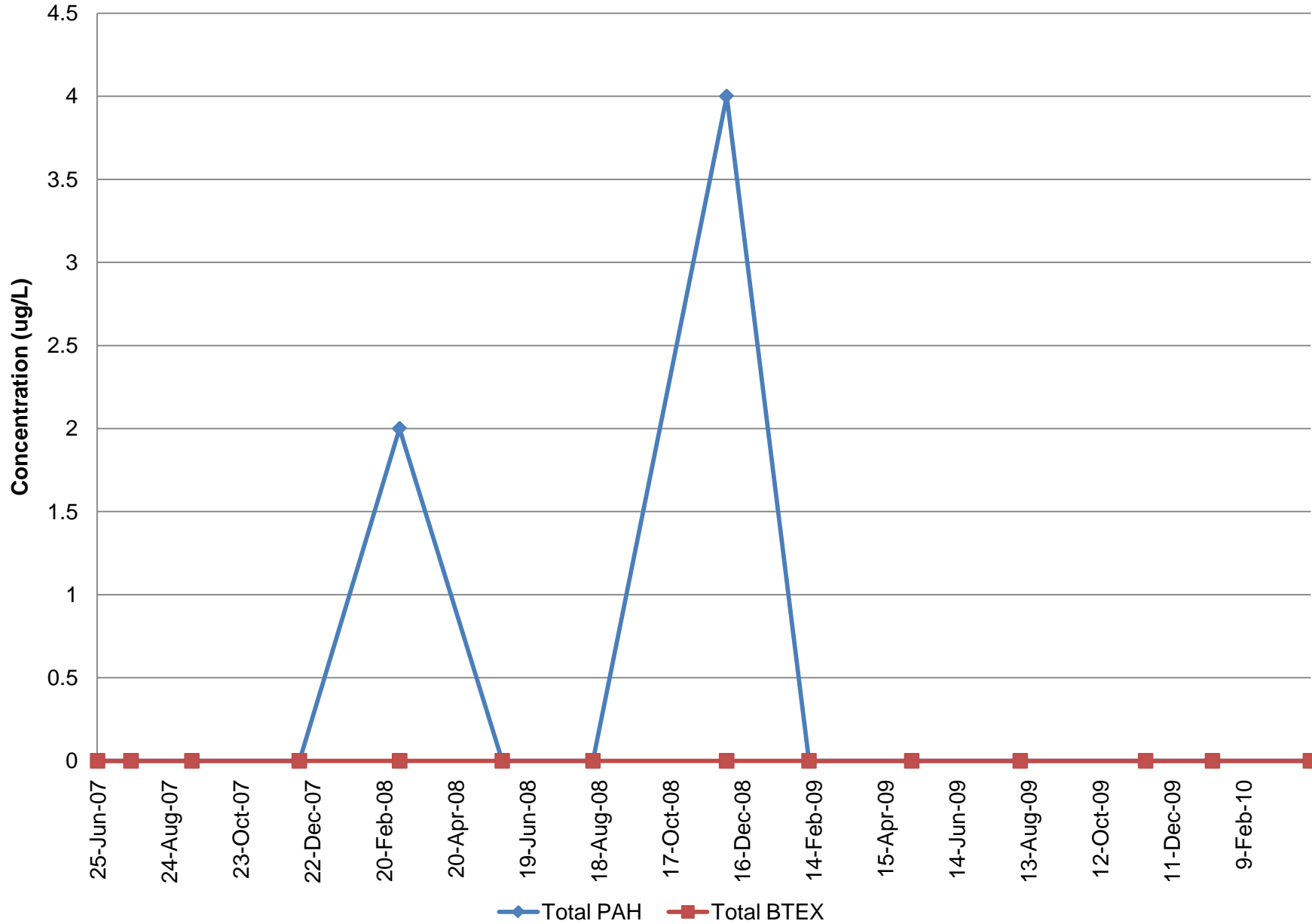
Monitoring Well OU2MW-10I 20-25 ft bgs



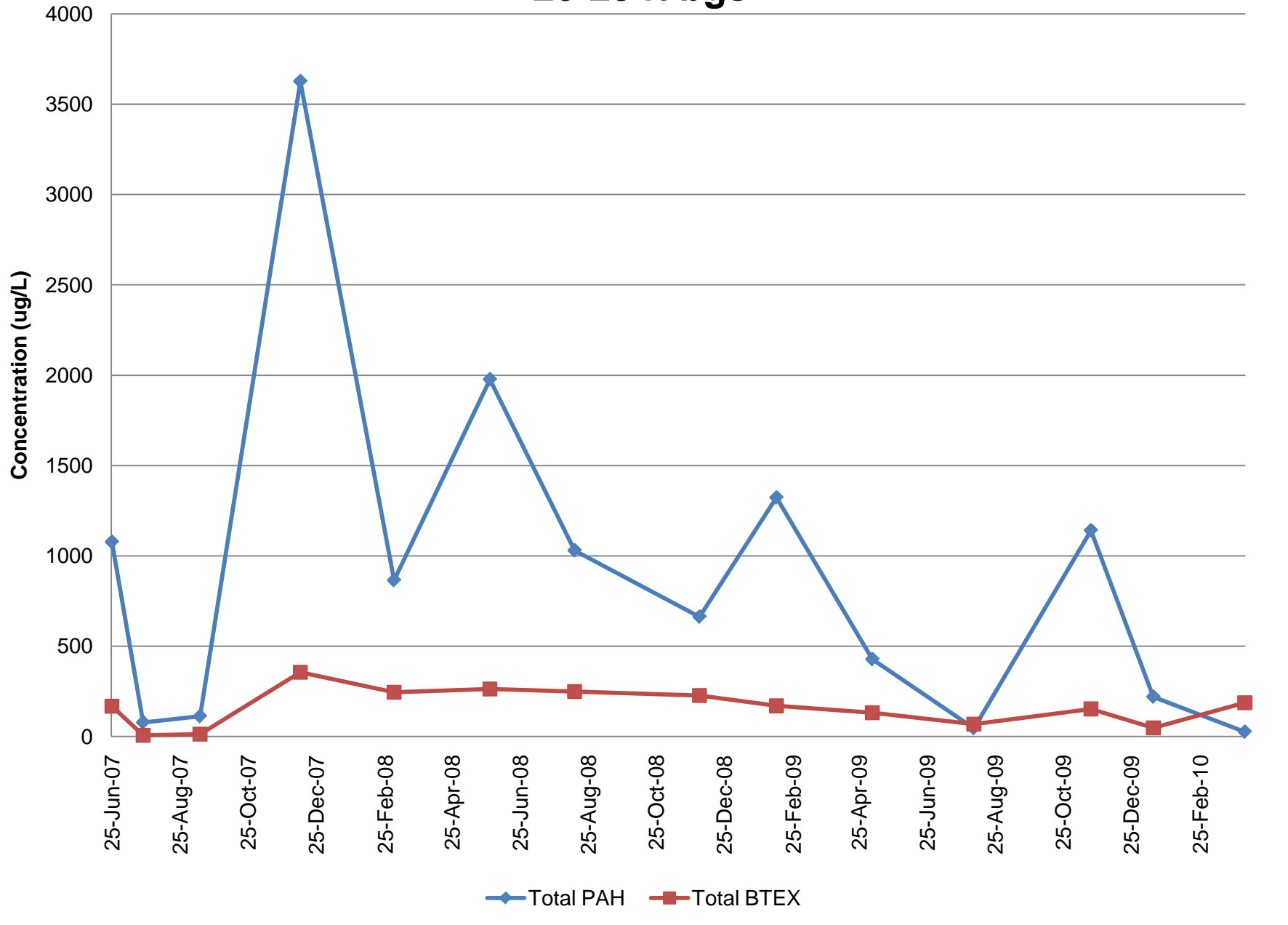
Monitoring Well OU2MW-10D 35-40 ft bgs



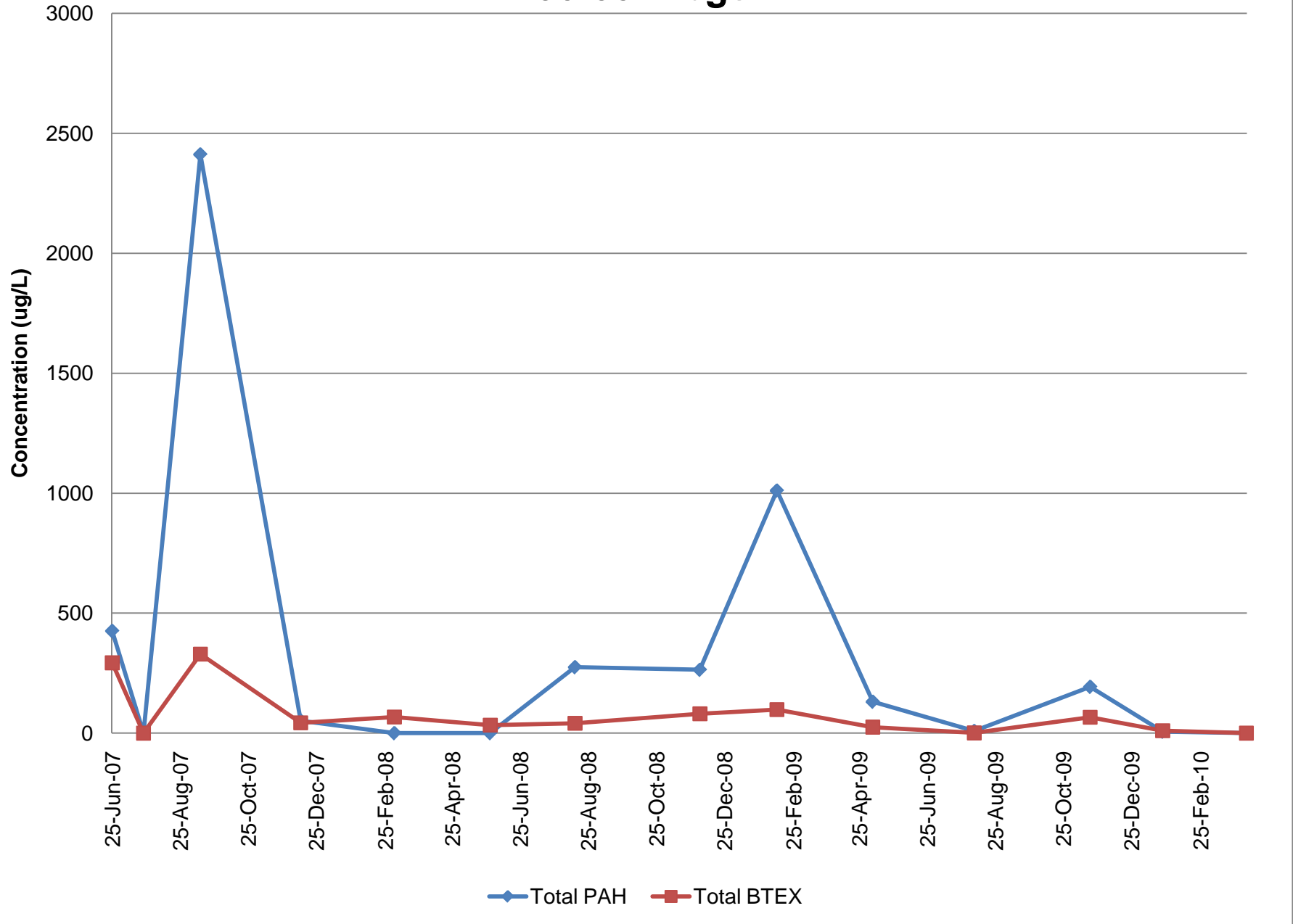
Monitoring Well OU2MW-11S 3-8 ft bgs



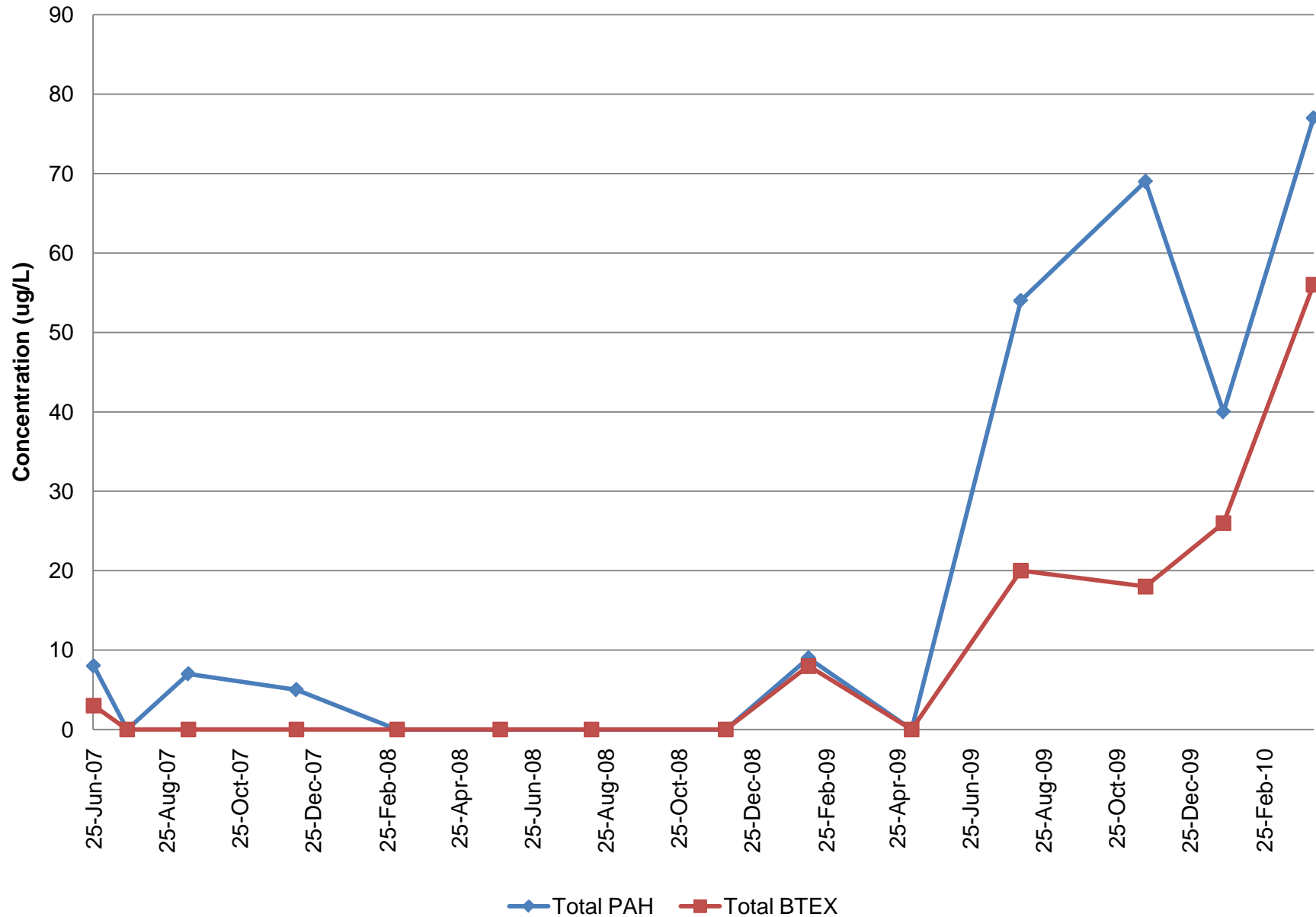
Monitoring Well OU2MW-11I 20-25 ft bgs



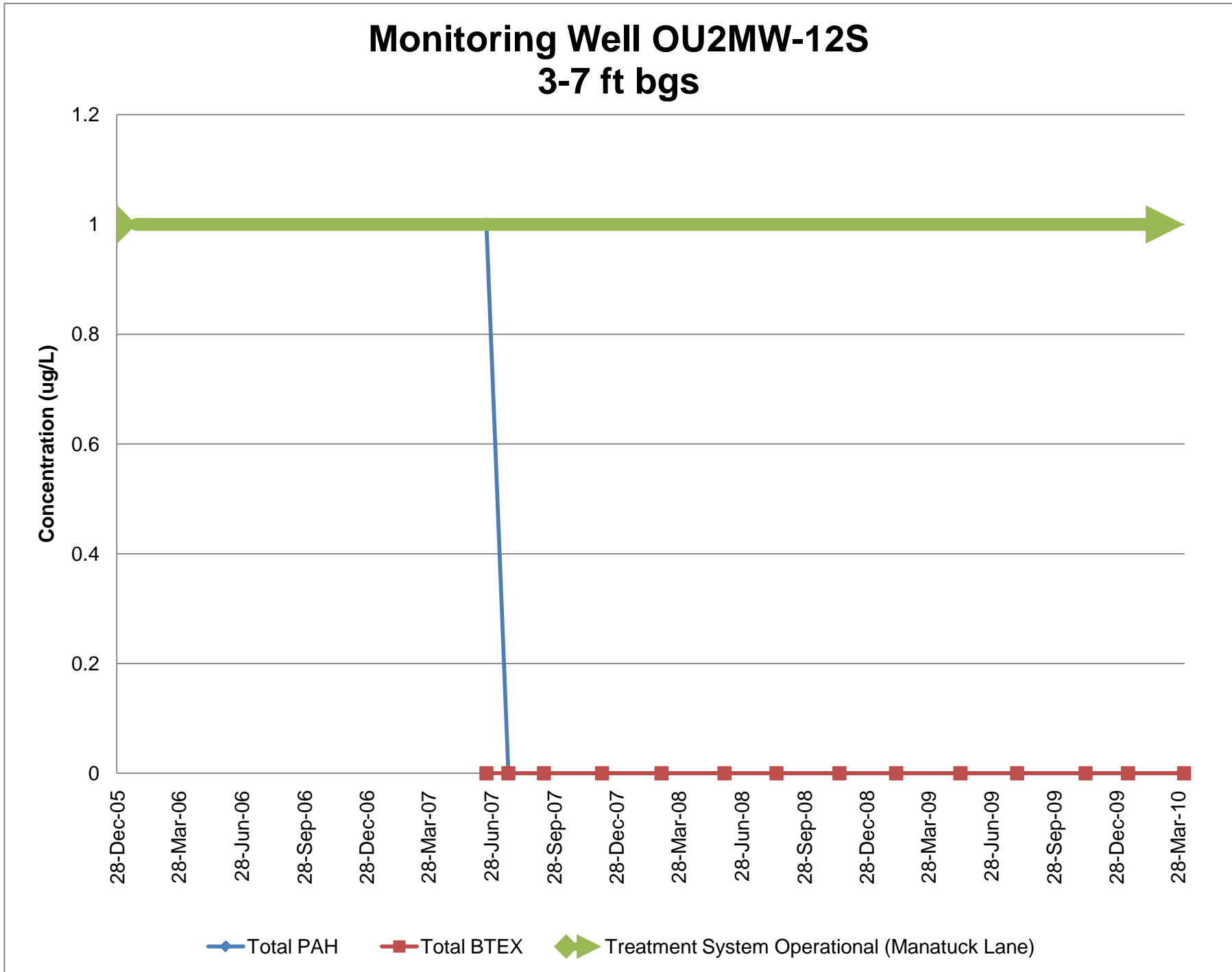
Monitoring Well OU2MW-11I2 30-35 ft bgs



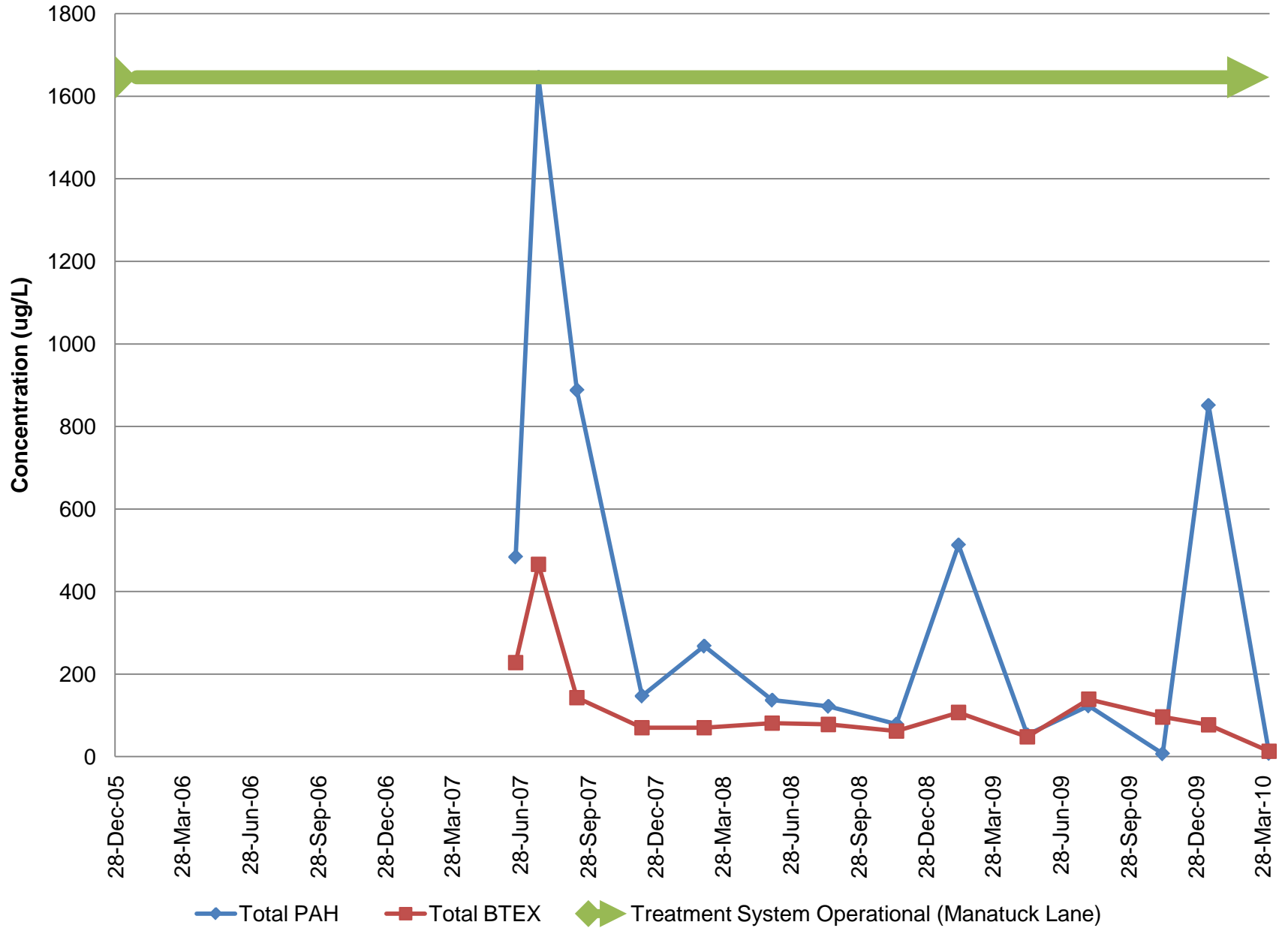
Monitoring Well OU2MW-11D 40-45 ft bgs



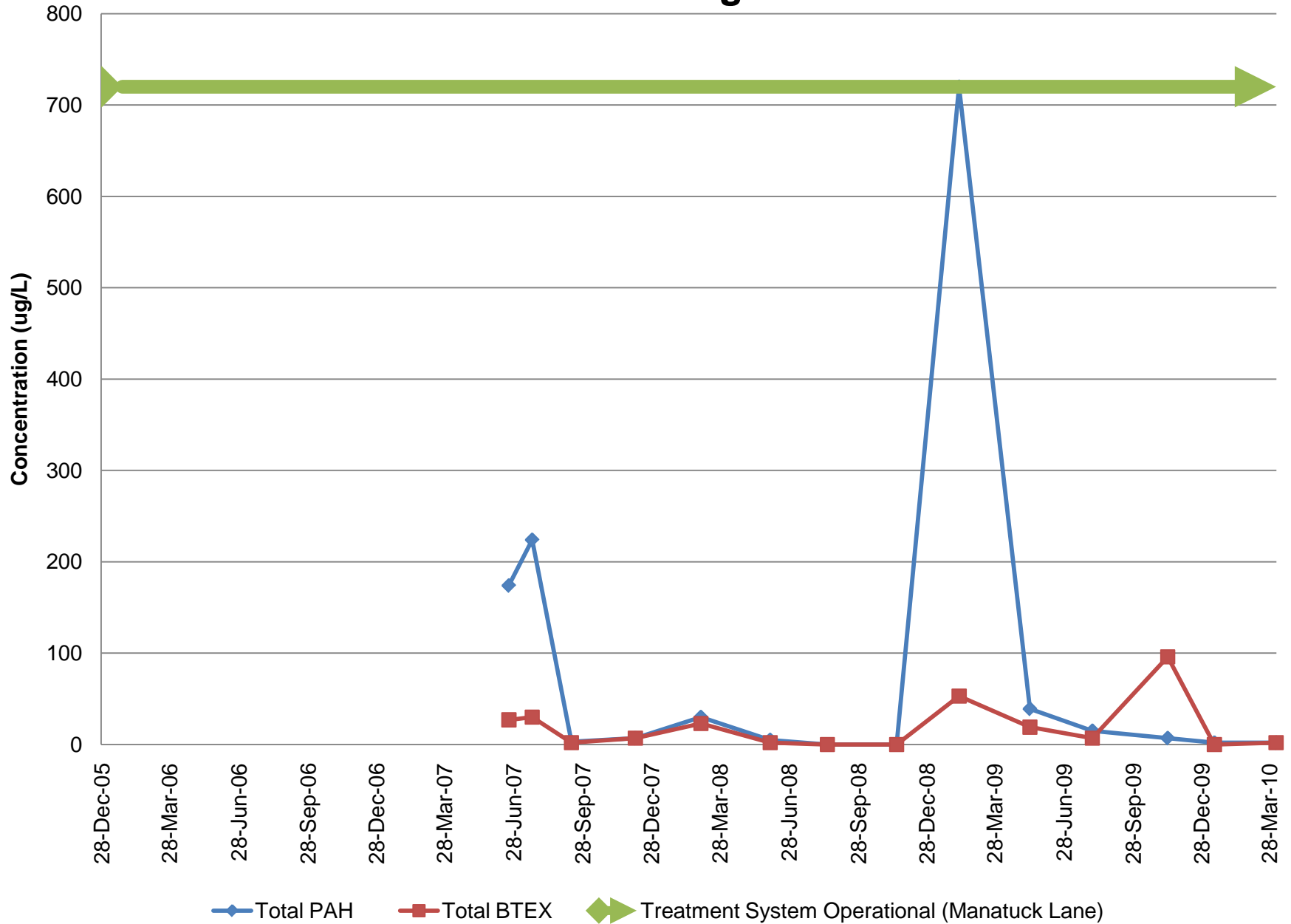
Monitoring Well OU2MW-12S 3-7 ft bgs



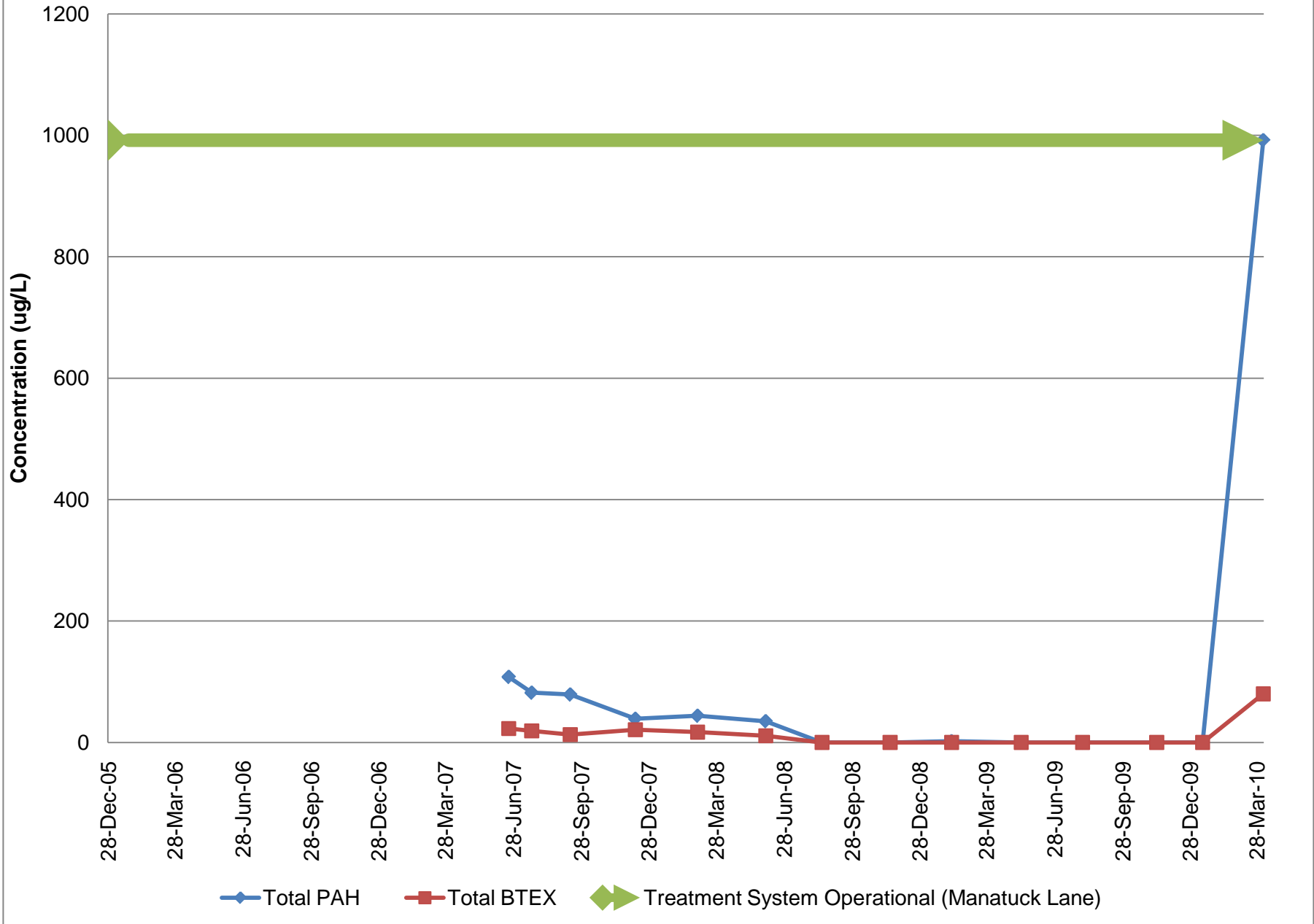
Monitoring Well OU2MW-12I 20-25 ft bgs



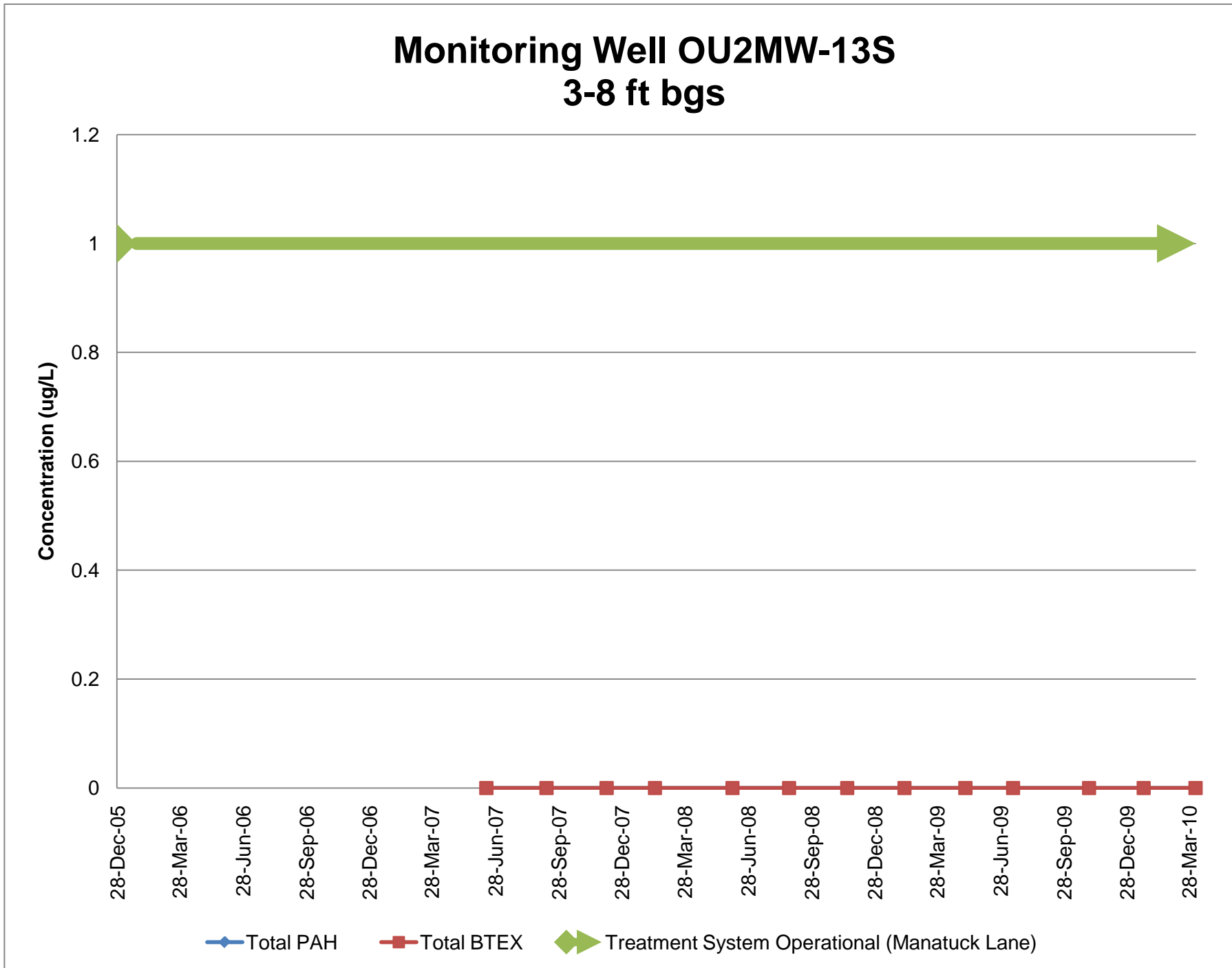
Monitoring Well OU2MW-12I2 30-35 ft bgs



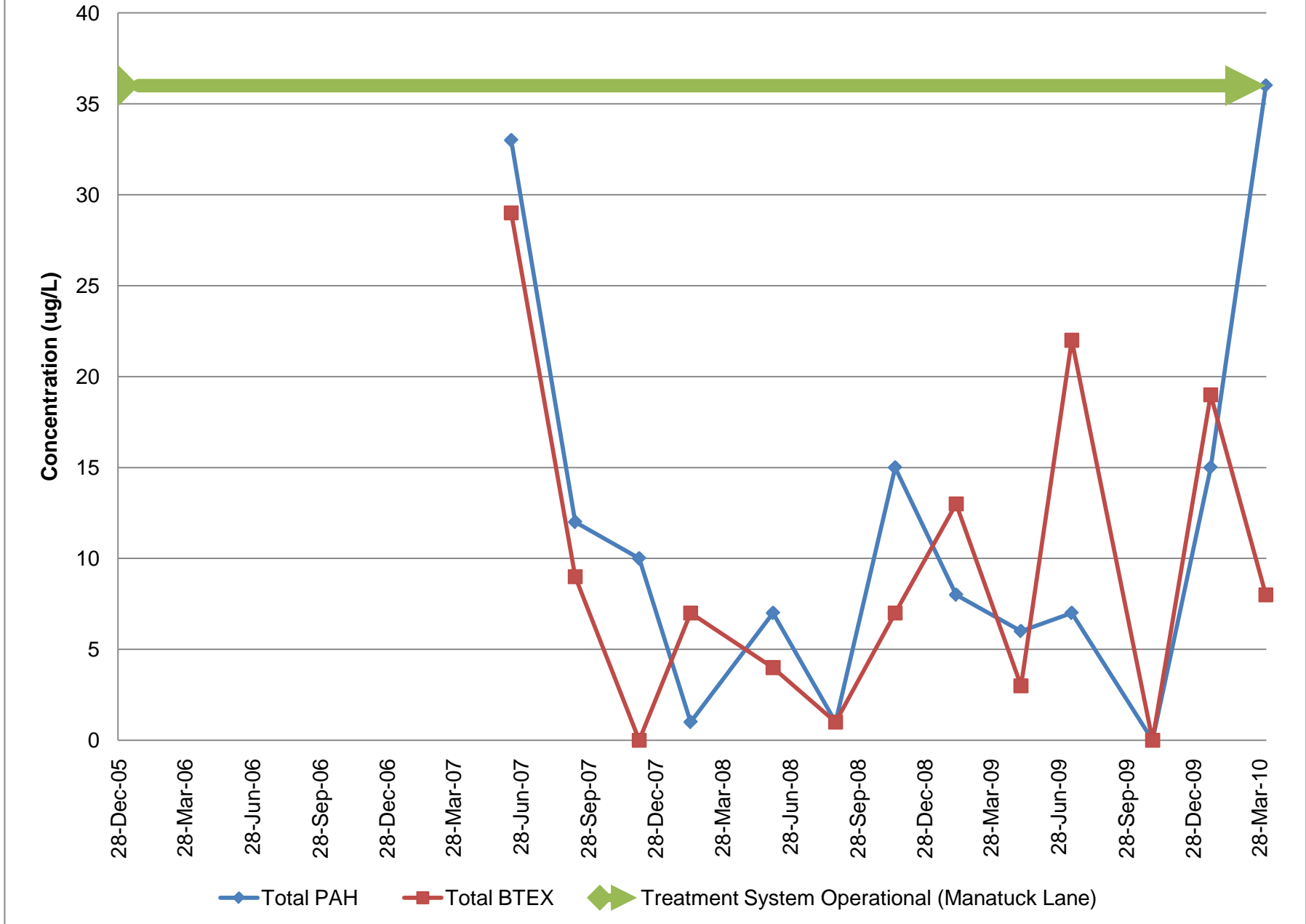
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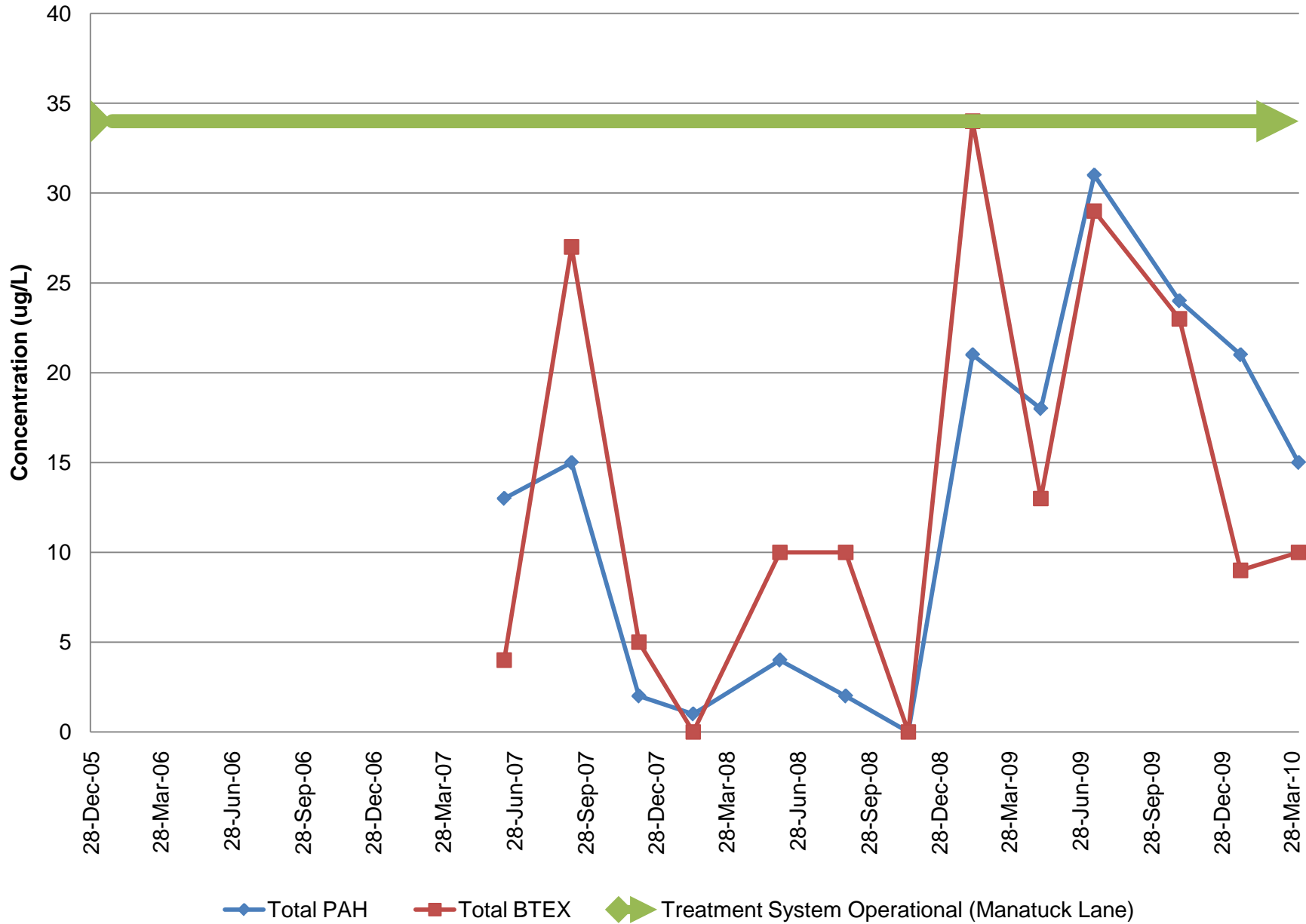
Monitoring Well OU2MW-13S 3-8 ft bgs



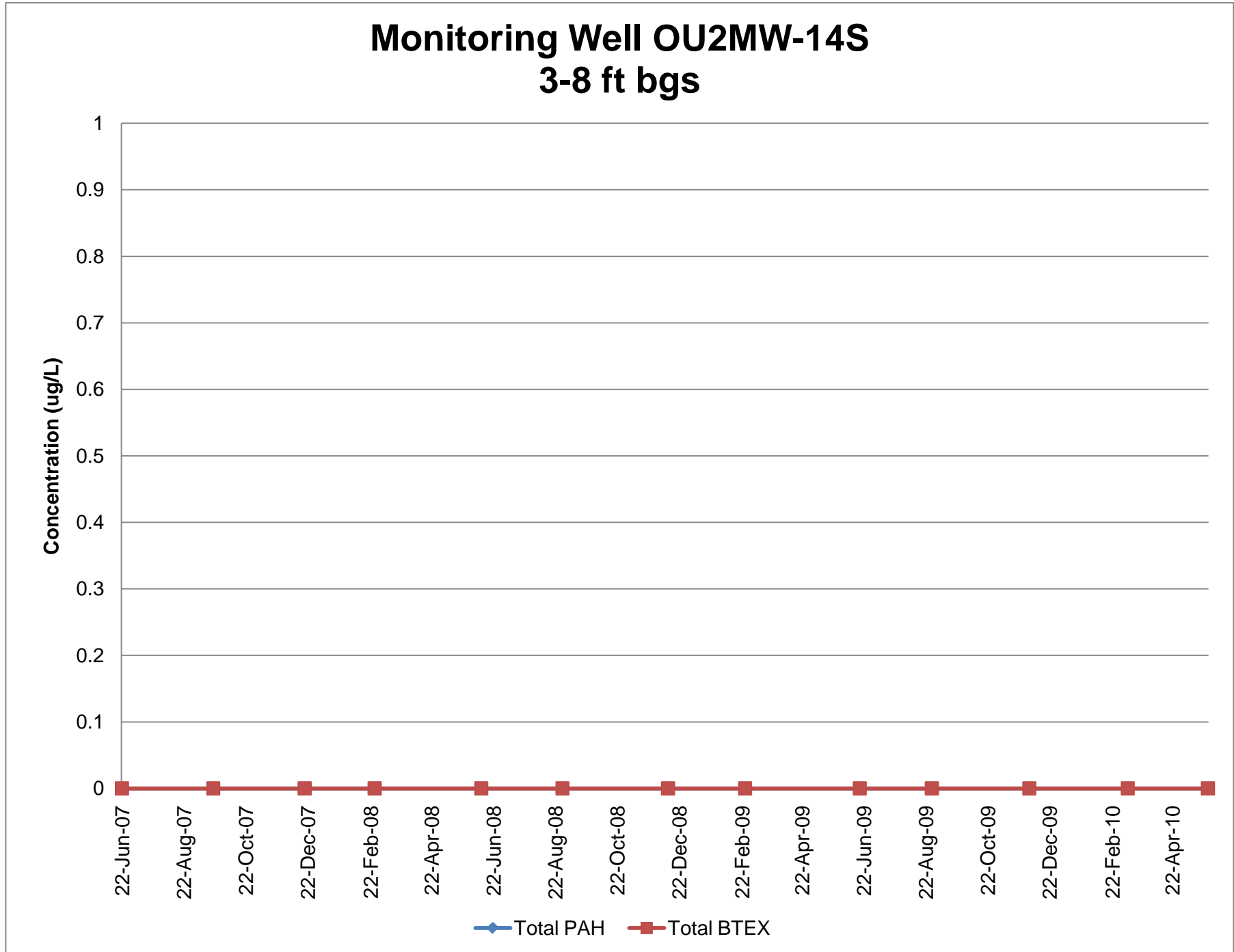
Monitoring Well OU2MW-13I 20-25ft bgs

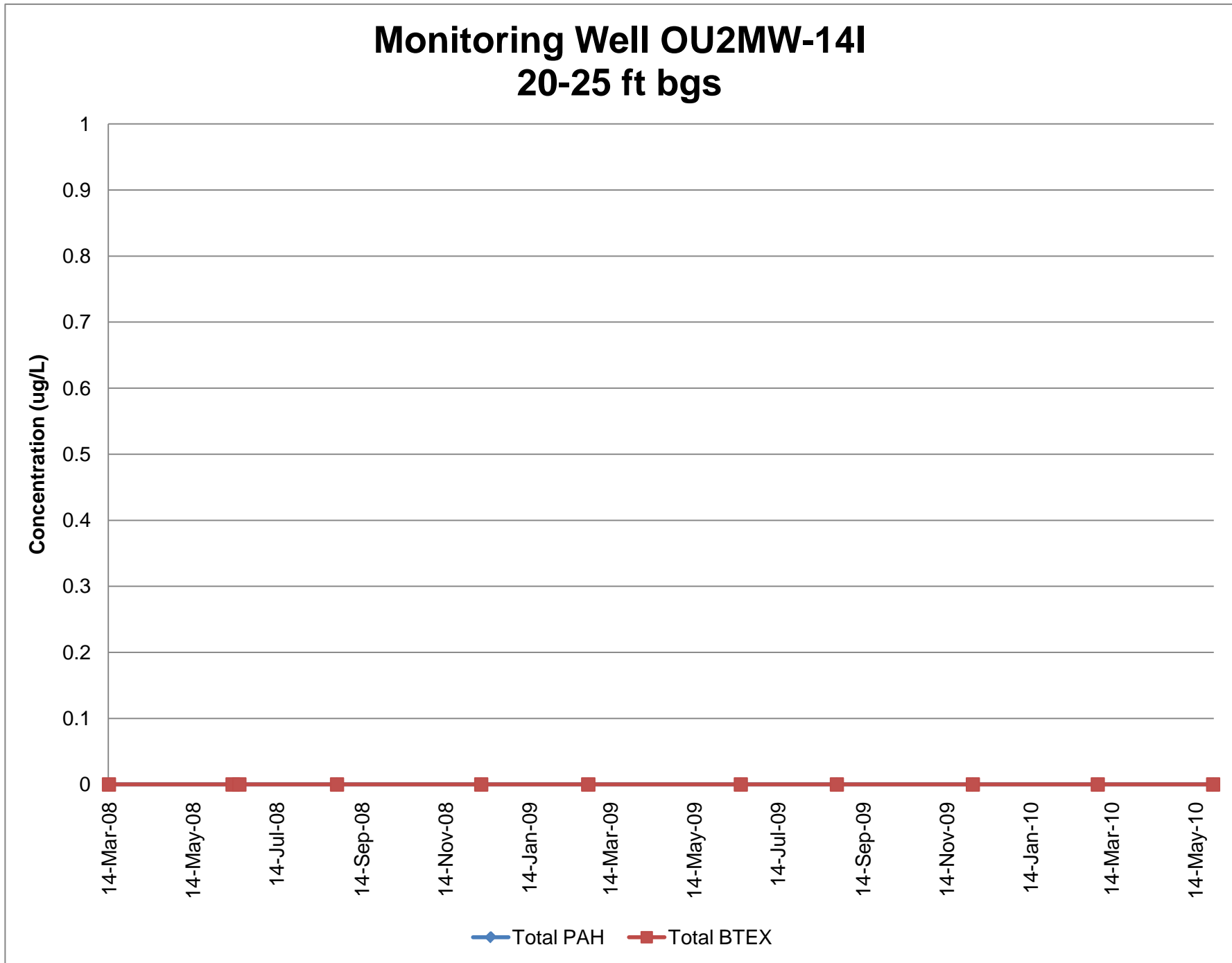


Monitoring Well OU2MW-13D 35-40 ft bgs

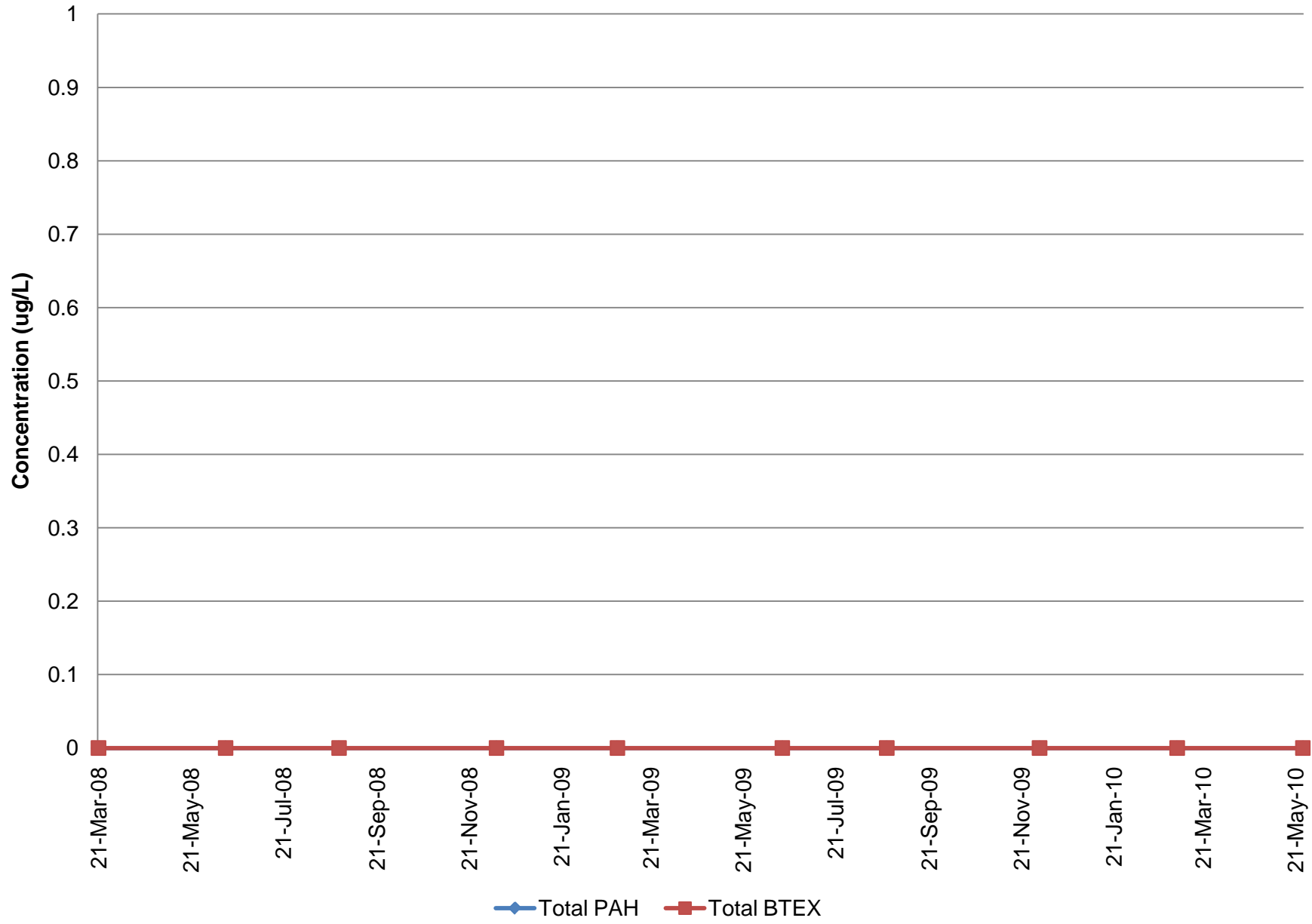


Monitoring Well OU2MW-14S 3-8 ft bgs

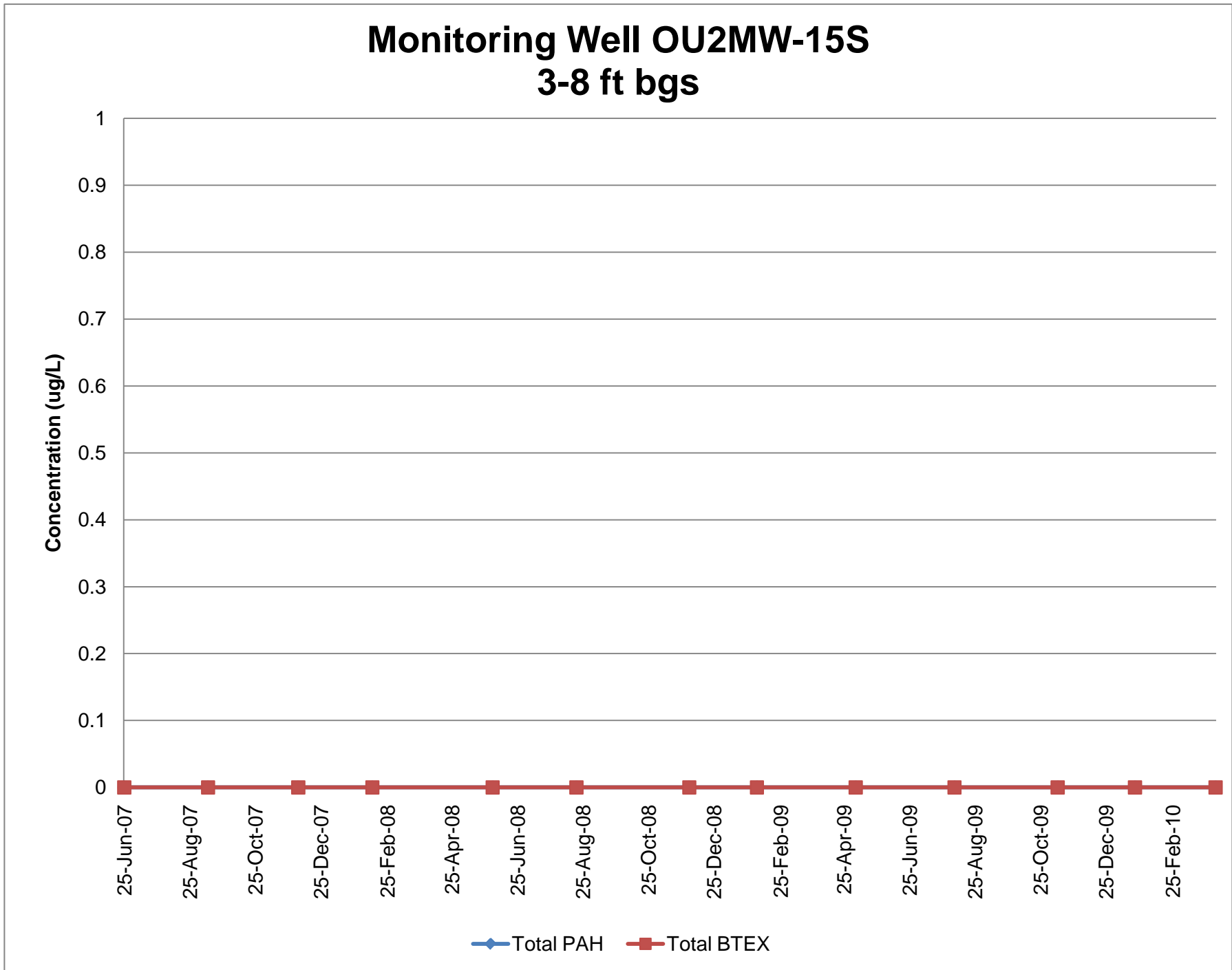




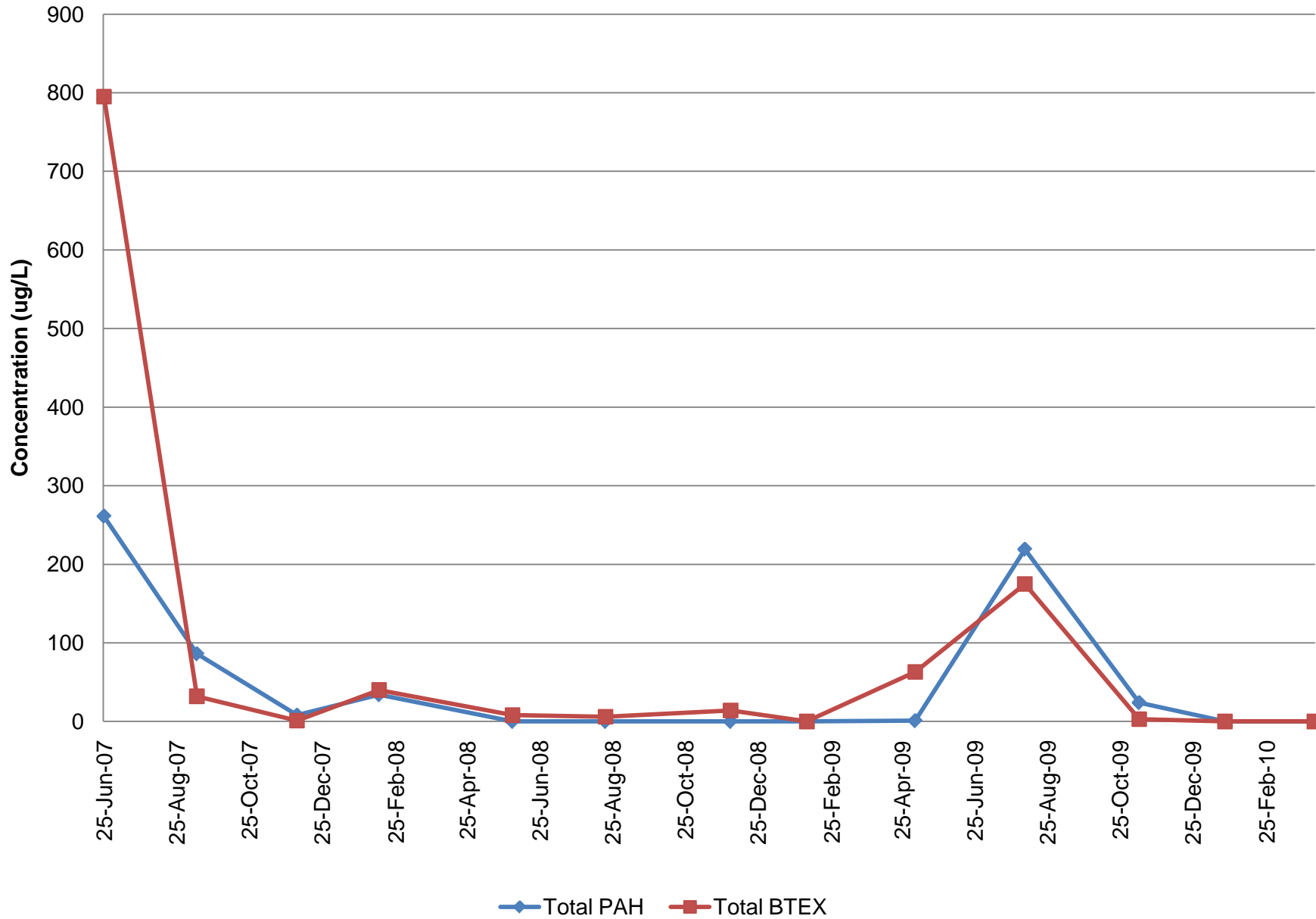
Monitoring Well OU2MW-14I2 45-50 ft bgs



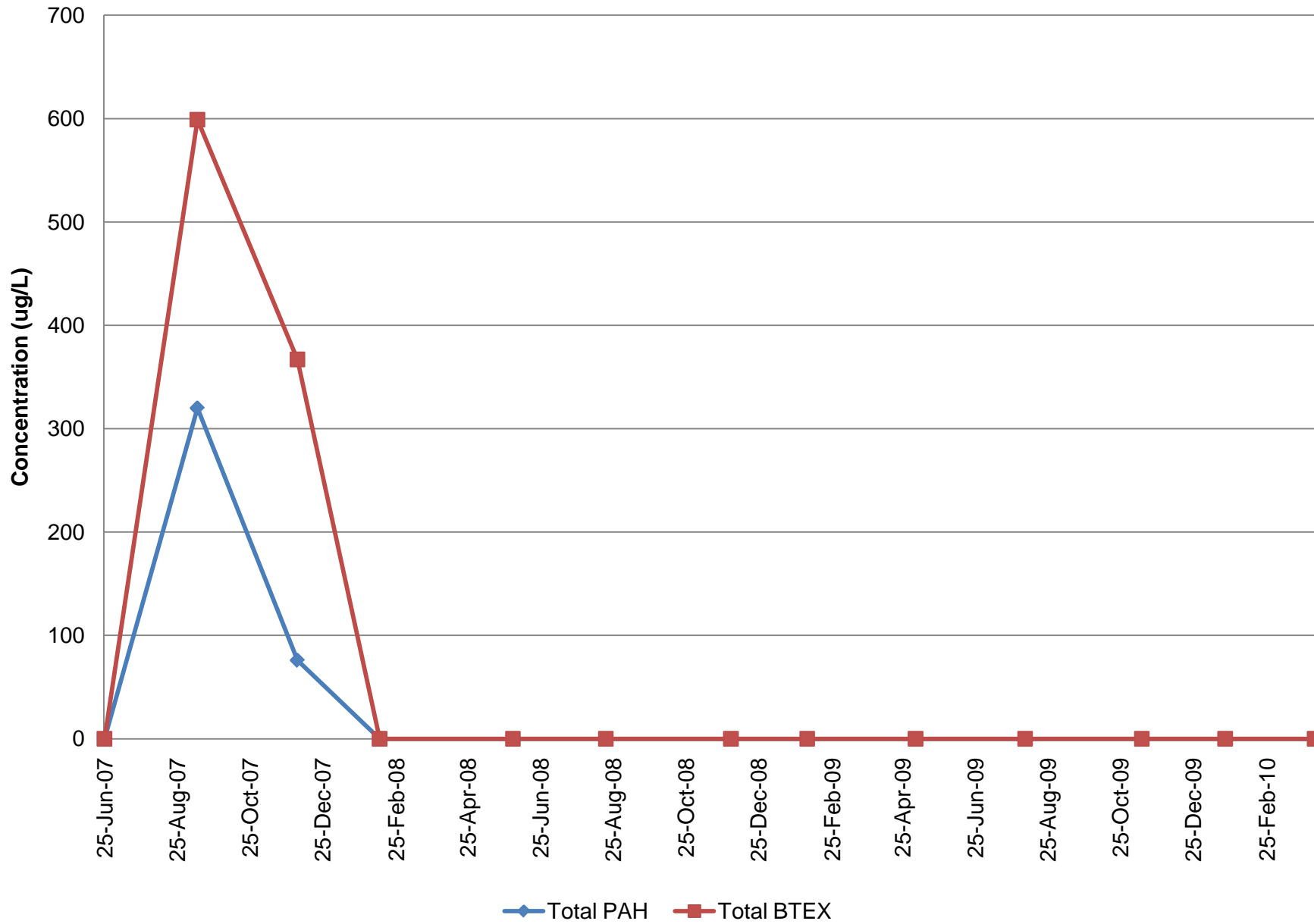
Monitoring Well OU2MW-15S 3-8 ft bgs



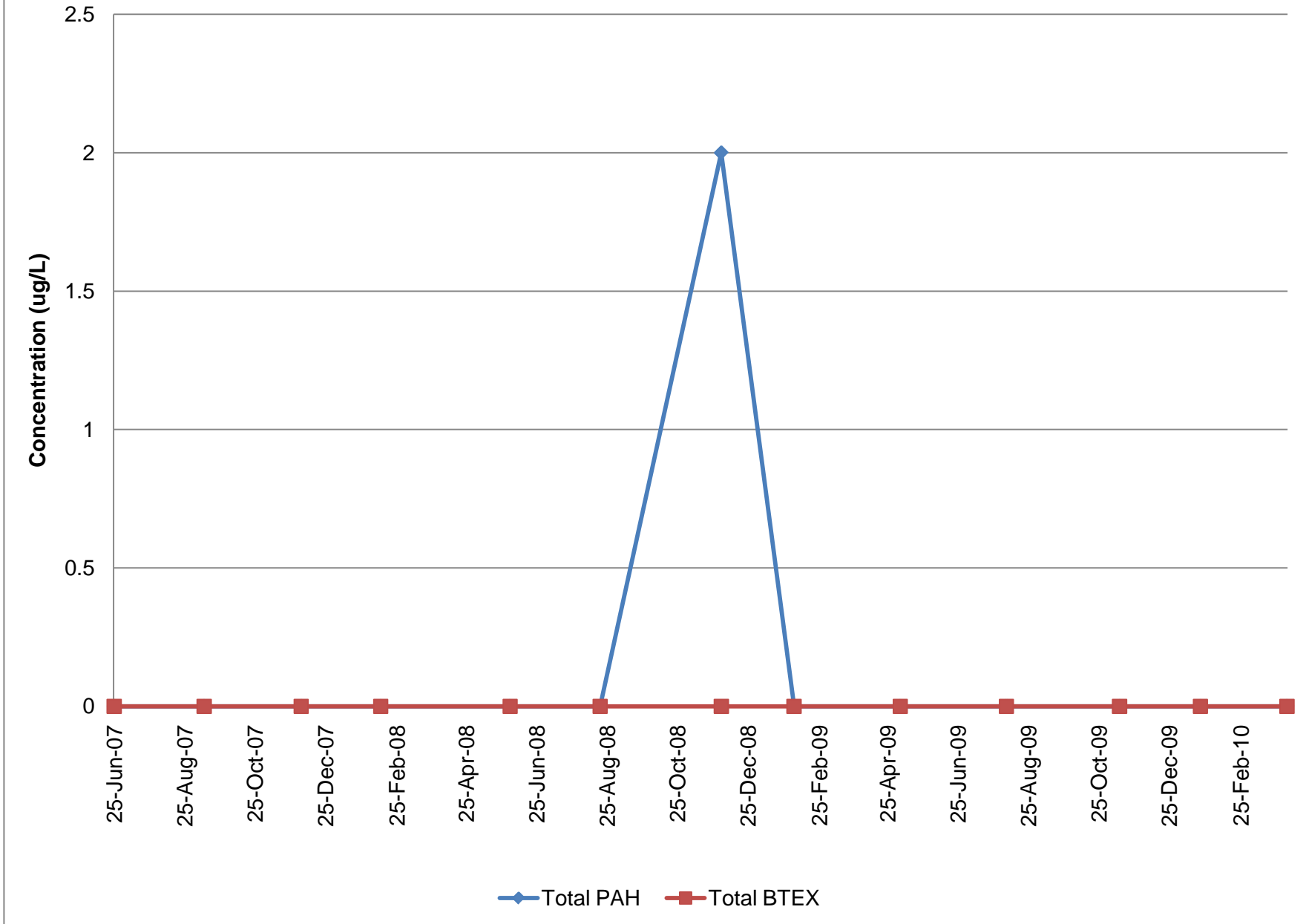
Monitoring Well OU2MW-15I 20-25 ft bgs



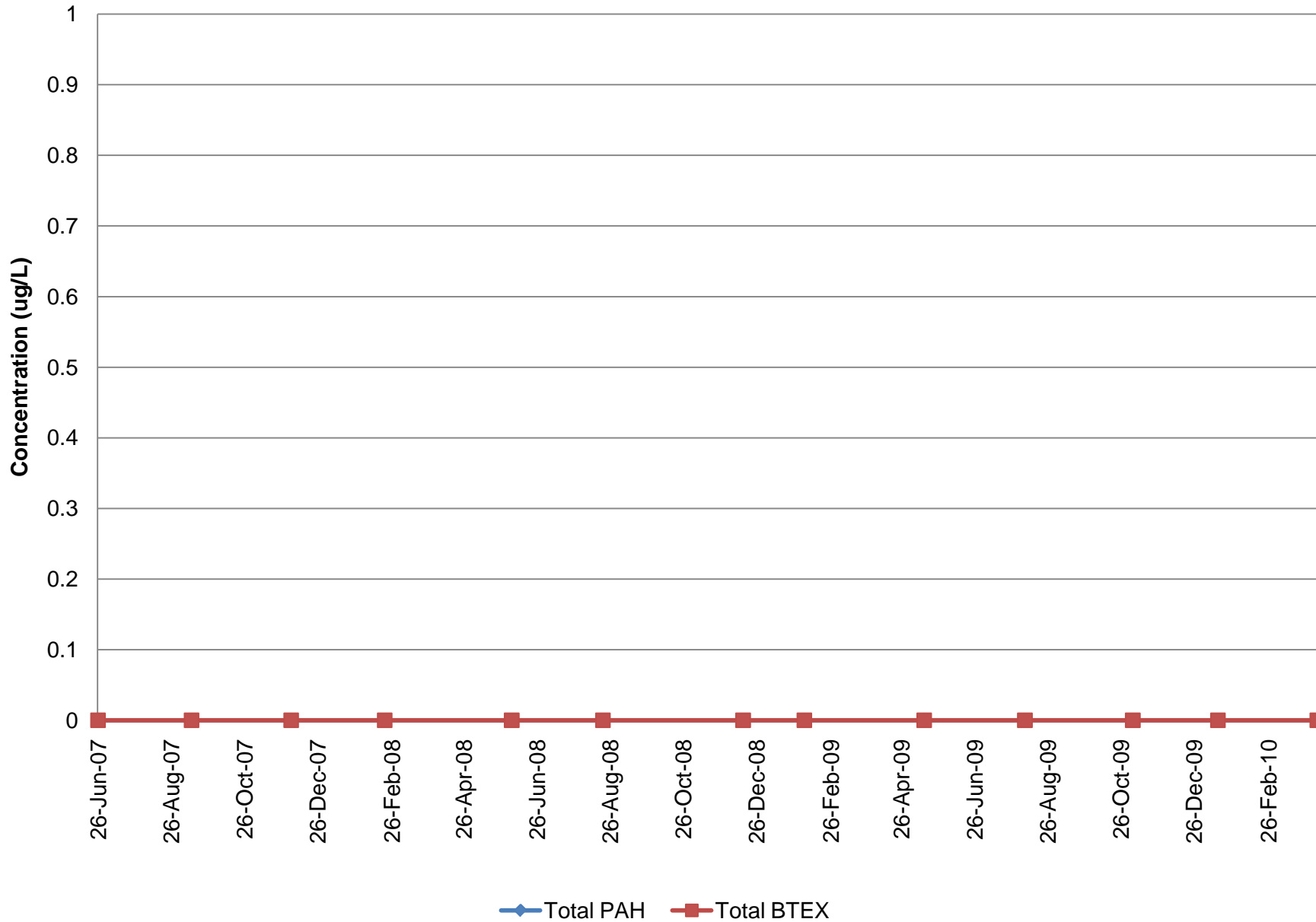
Monitoring Well OU2MW-15I2 30-35 ft bgs



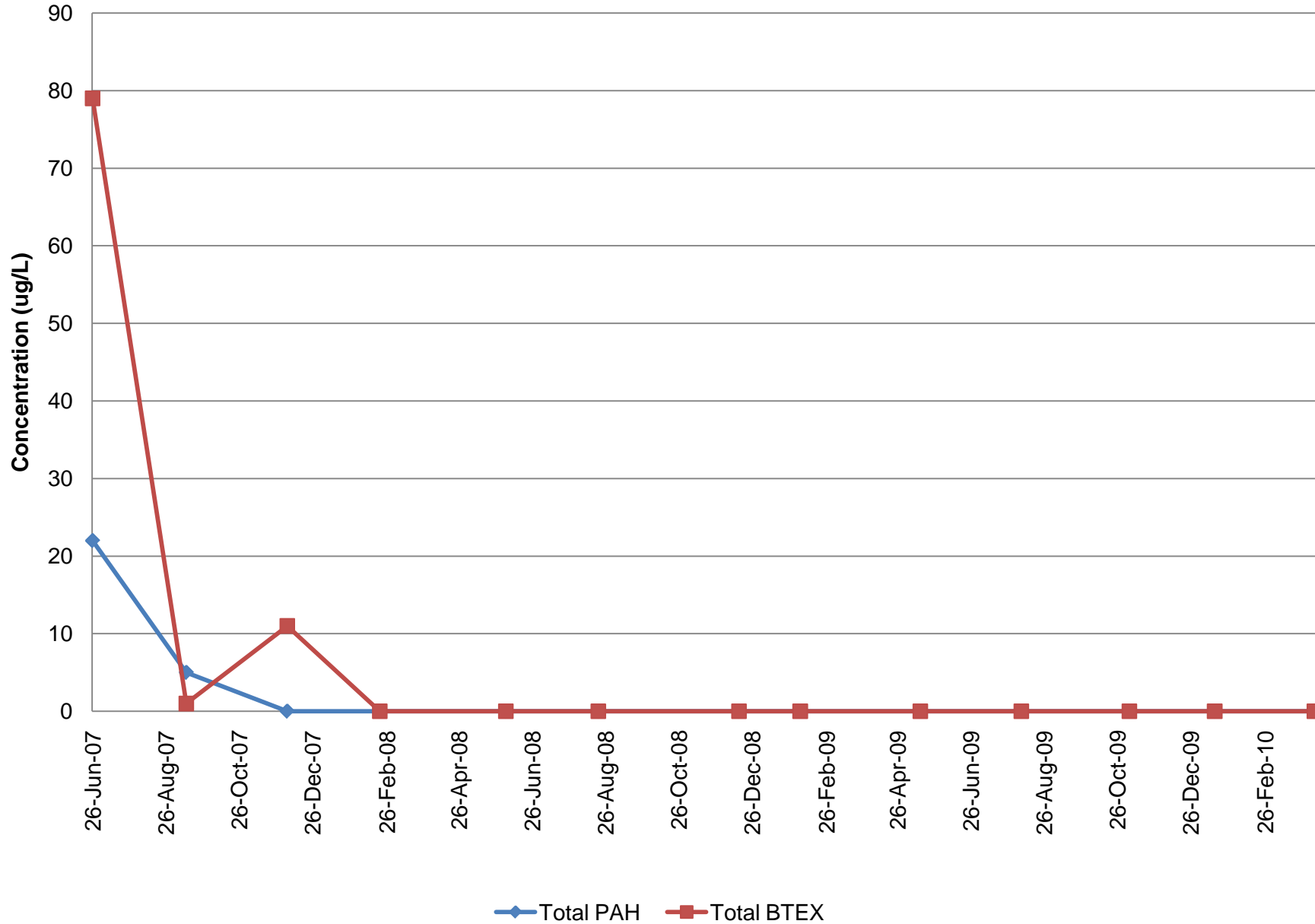
Monitoring Well OU2MW-15D 40-45 ft bgs



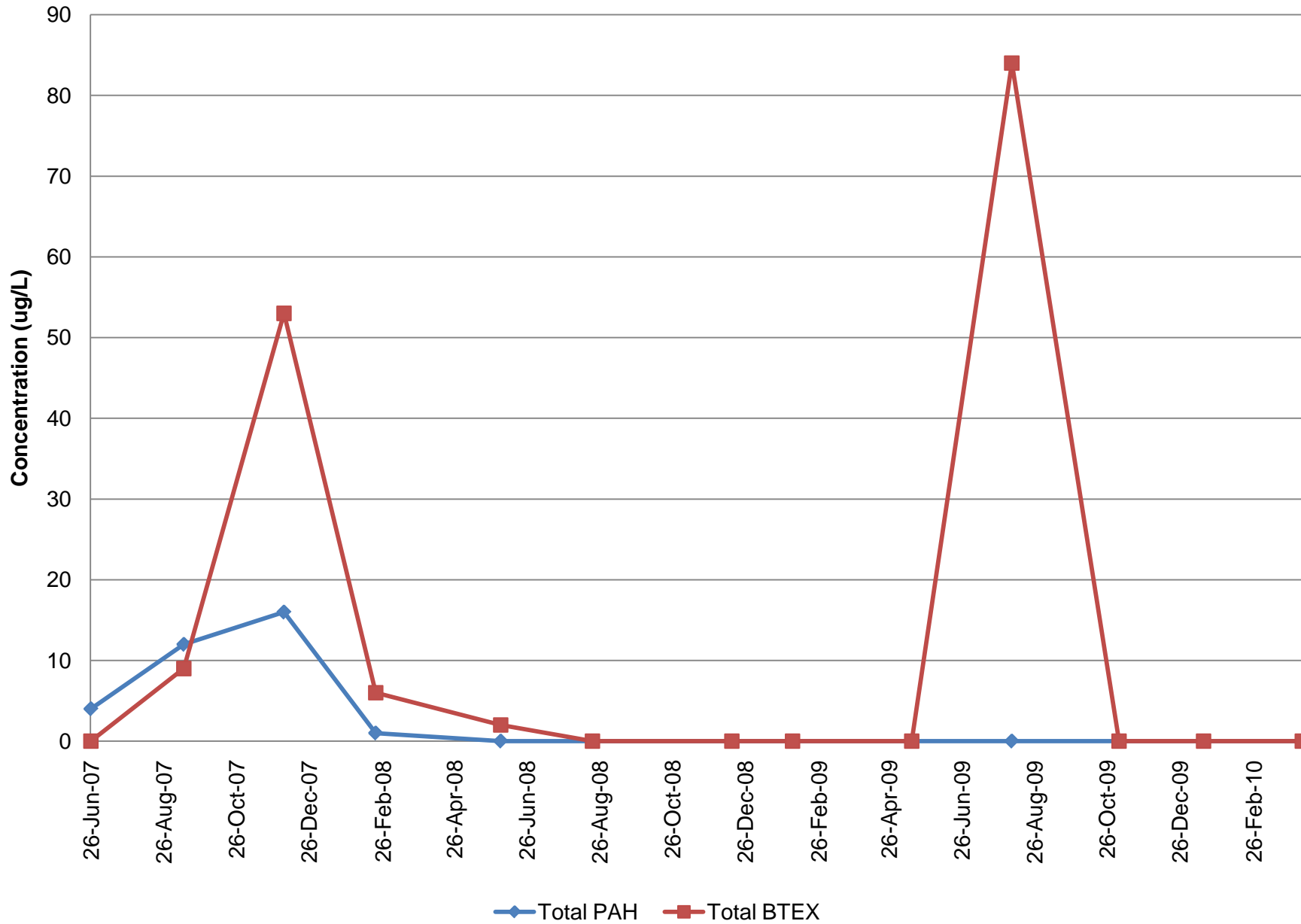
Monitoring Well OU2MW-16S 3-8 ft bgs



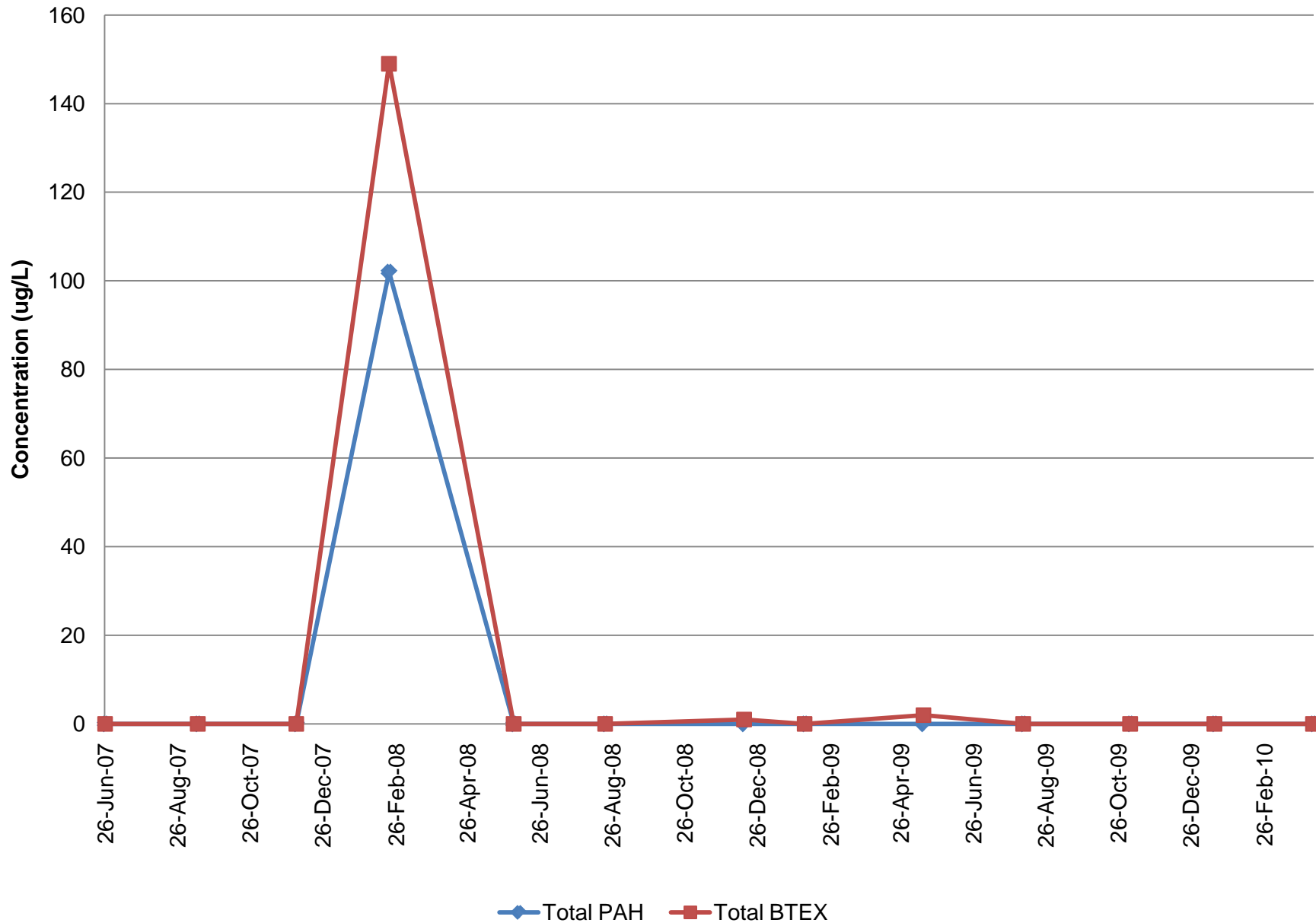
Monitoring Well OU2MW-16I 15-20 ft bgs



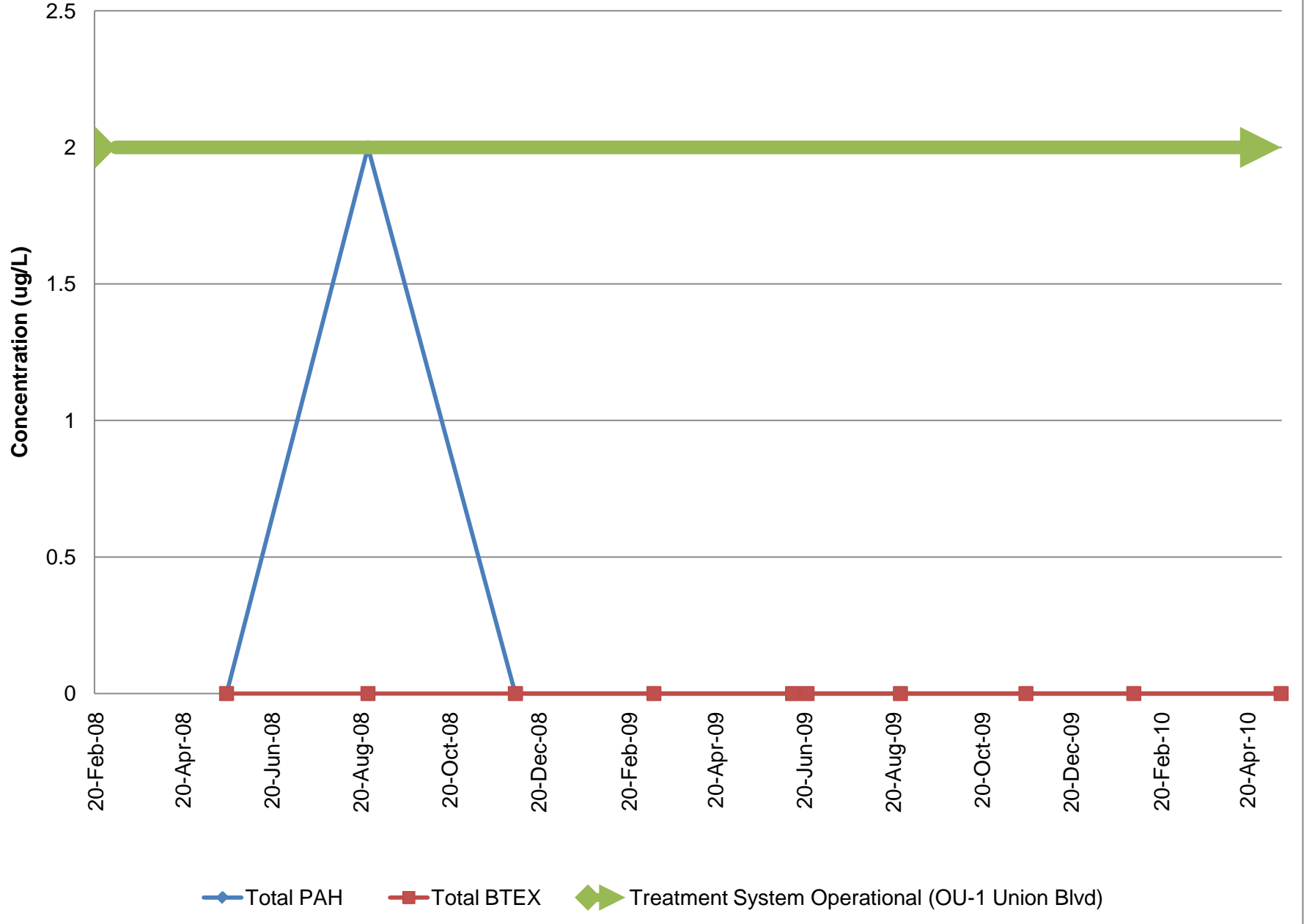
Monitoring Well OU2MW-16I2 25-30 ft bgs



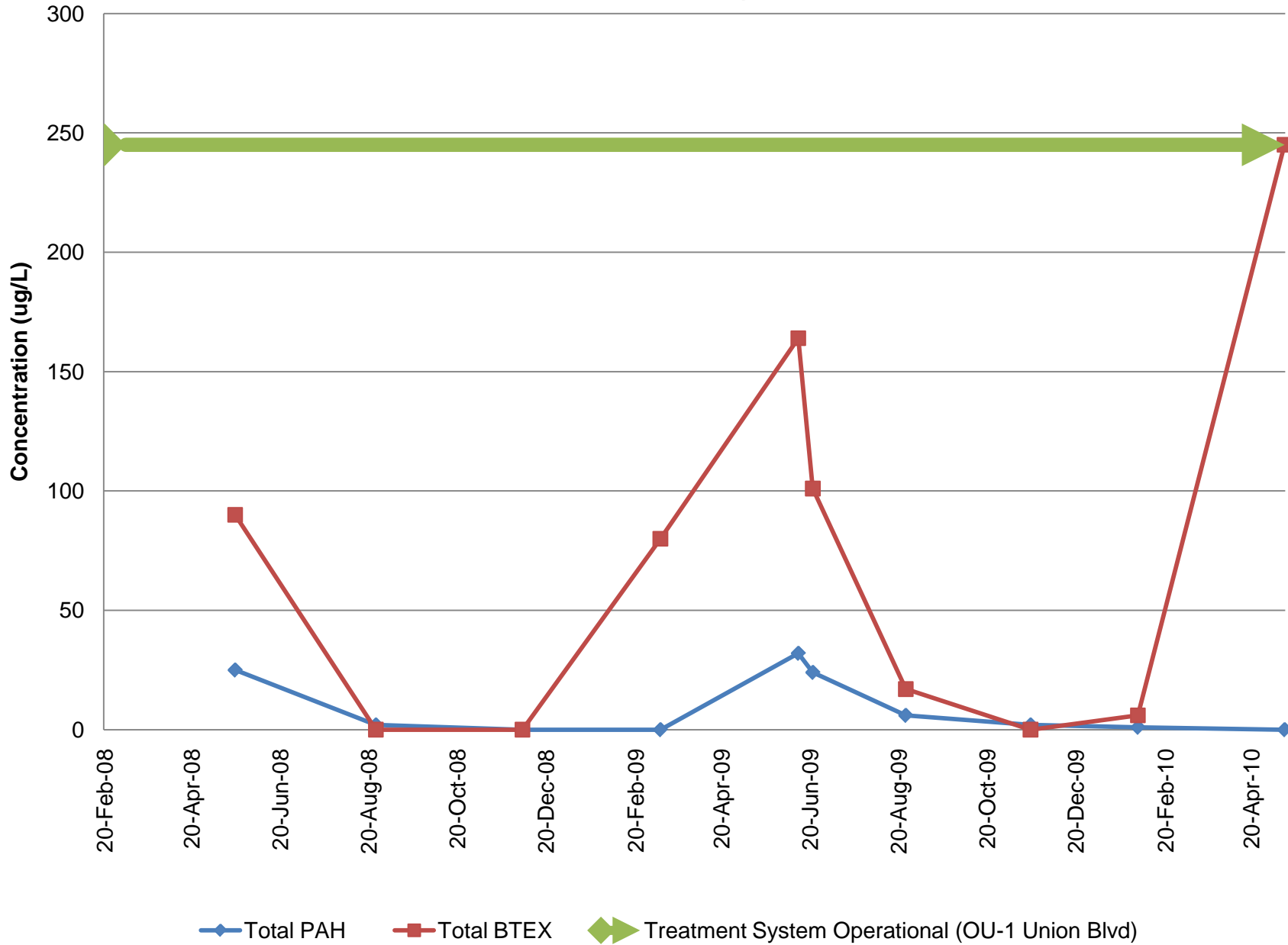
Monitoring Well OU2MW-16D 35-40 ft bgs

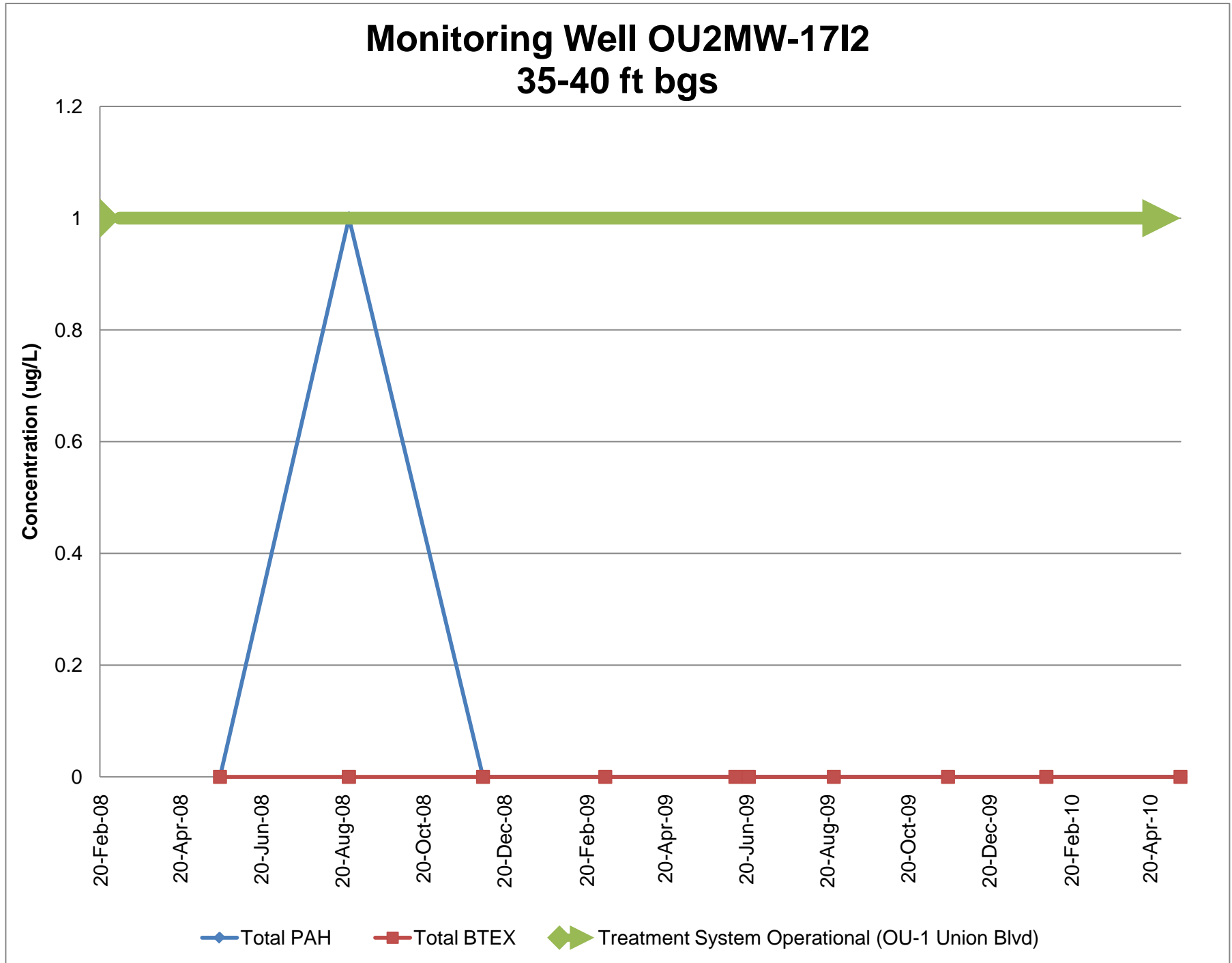


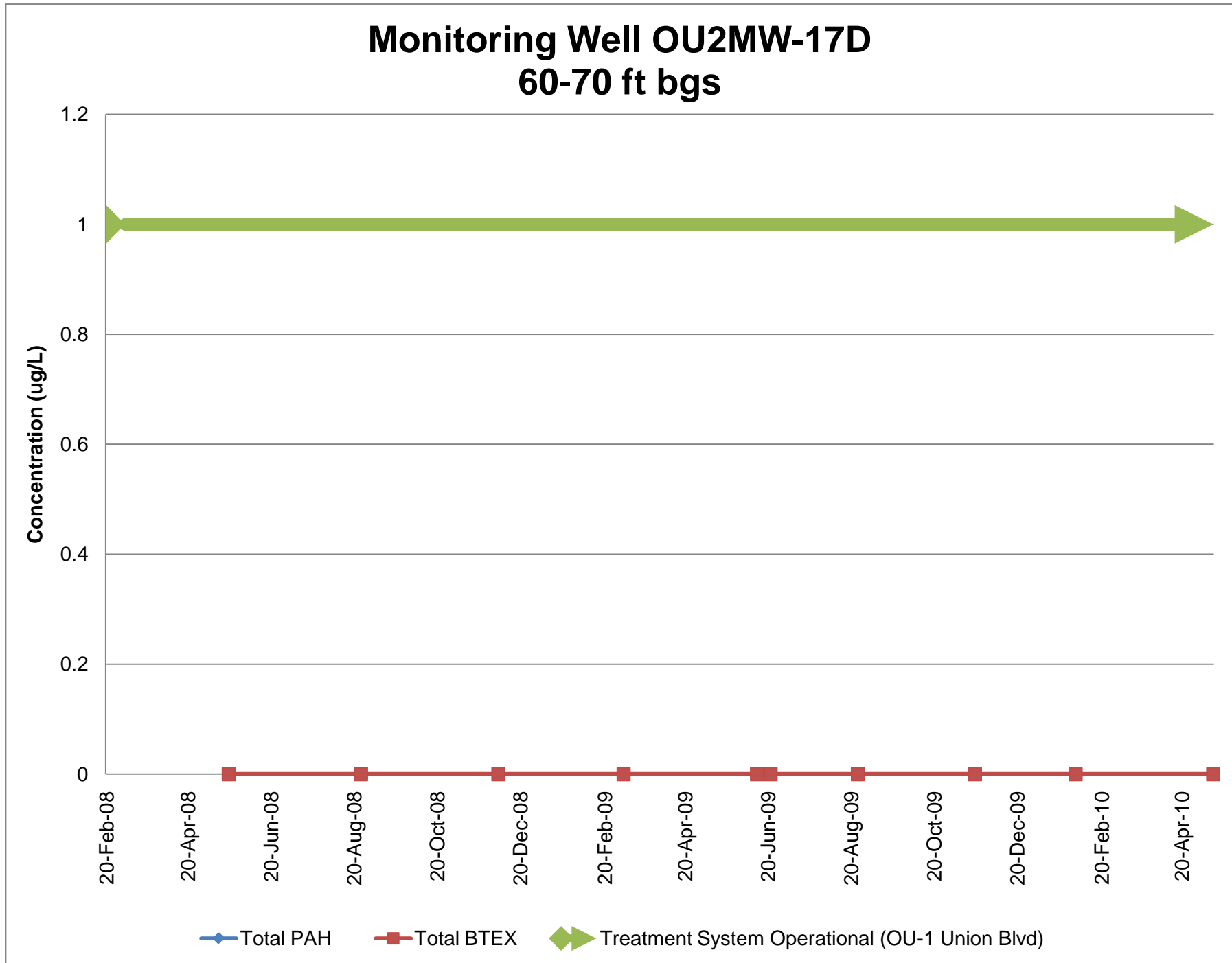
Monitoring Well OU2MW-17S 5-10 ft bgs



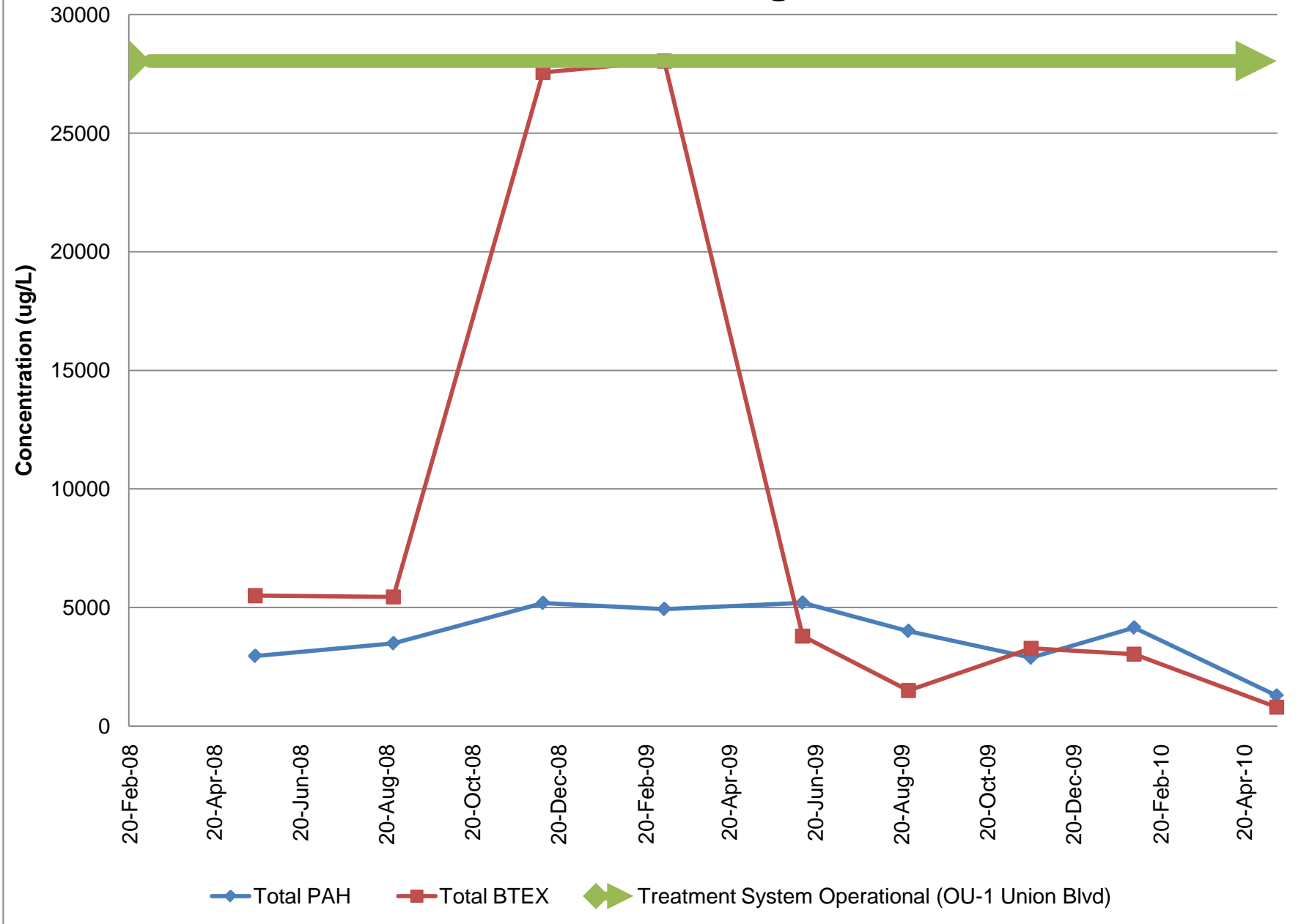
Monitoring Well OU2MW-17I 13-23 ft bgs



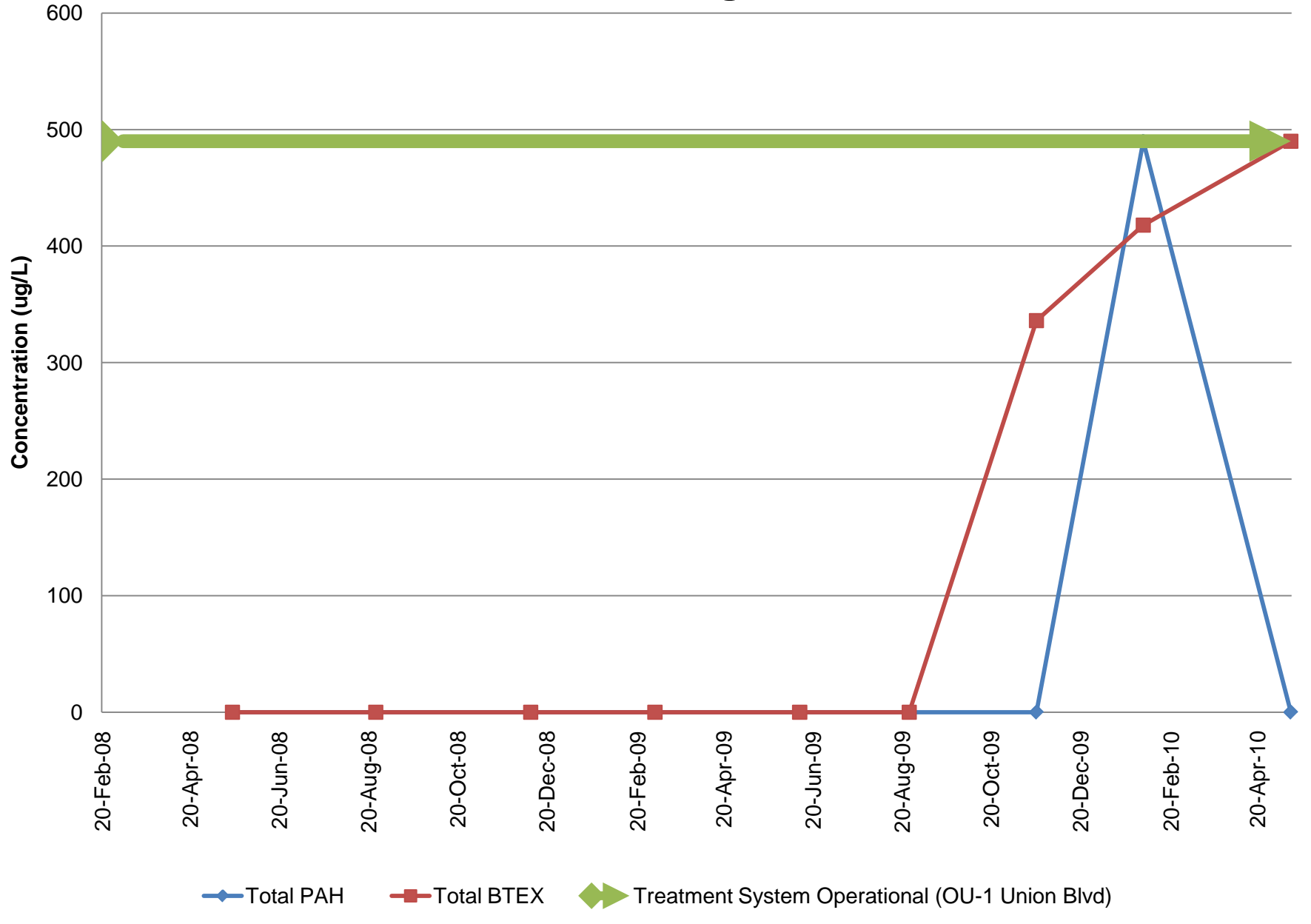


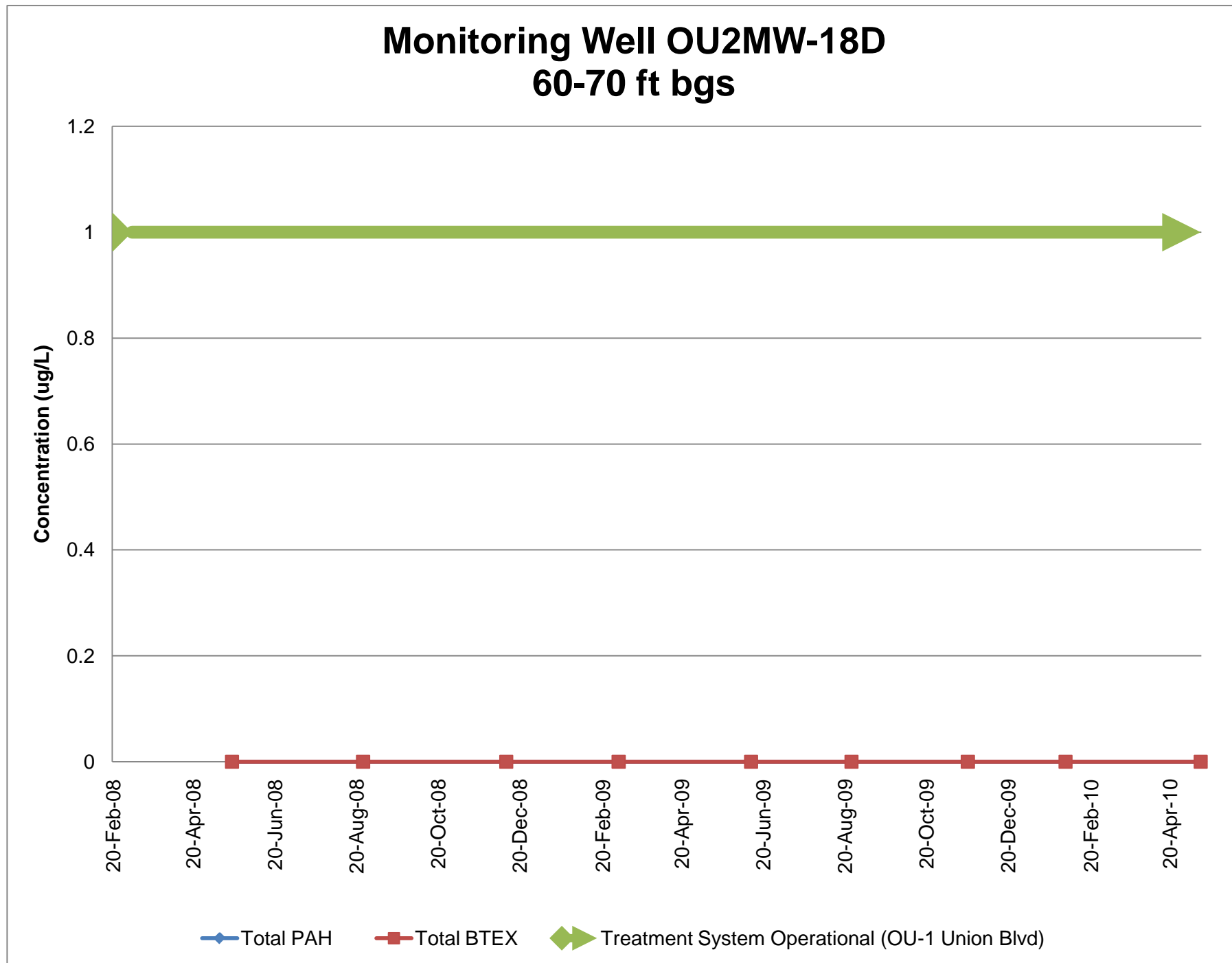


Monitoring Well OU2MW-18I 13-23 ft bgs

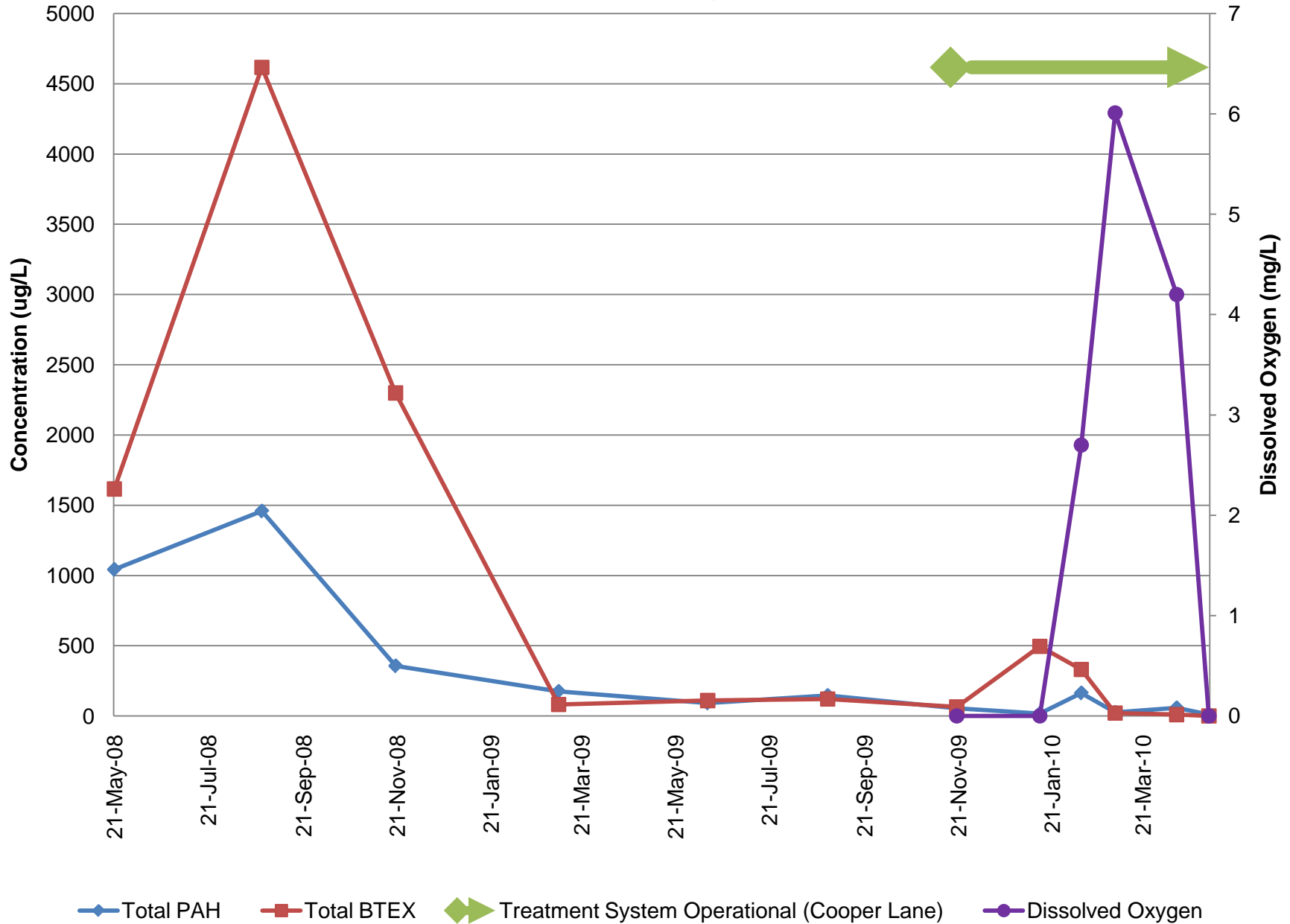


Monitoring Well OU2MW-18I2 35-45 ft bgs

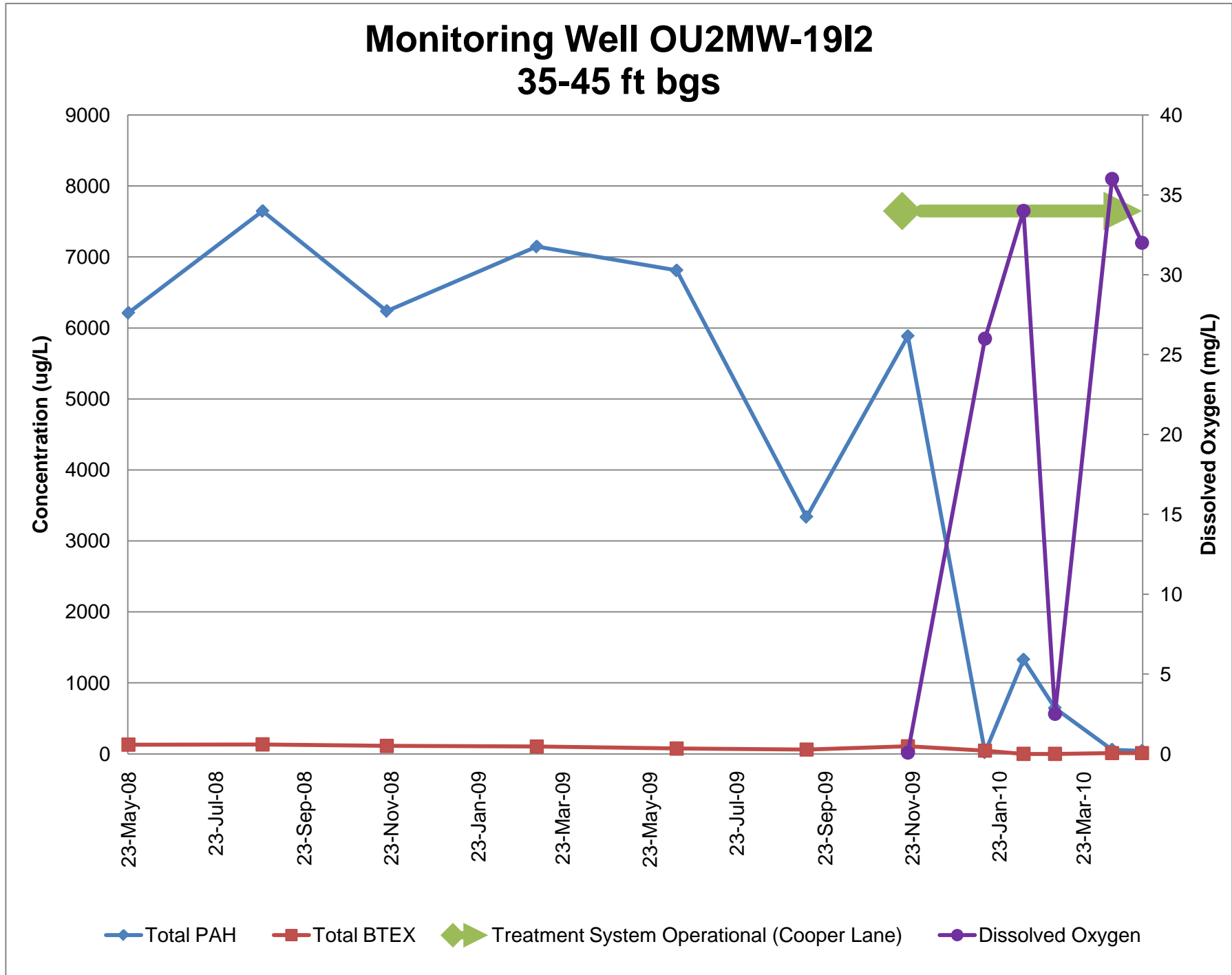




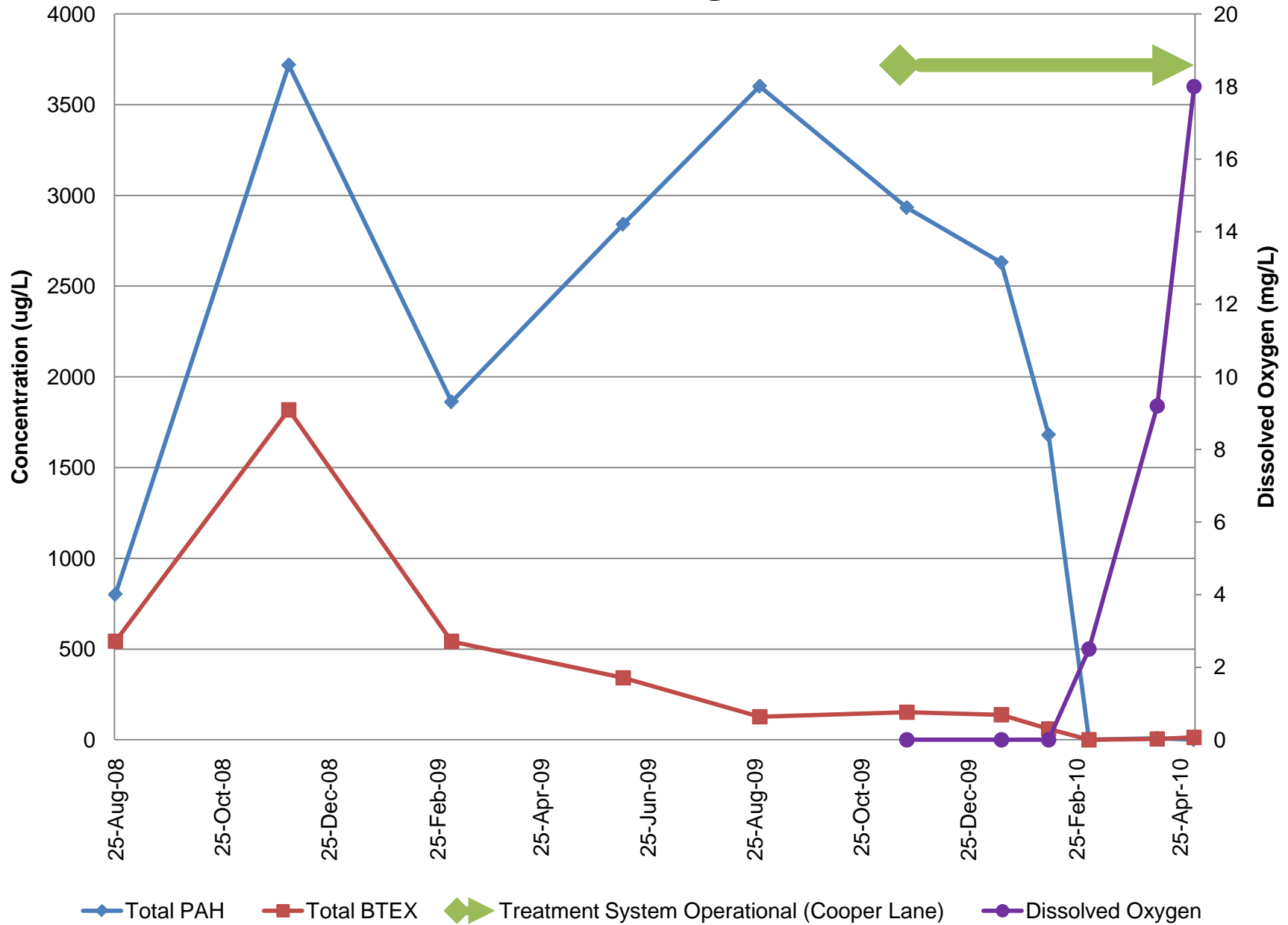
Monitoring Well OU2MW-19I 13-23 ft bgs



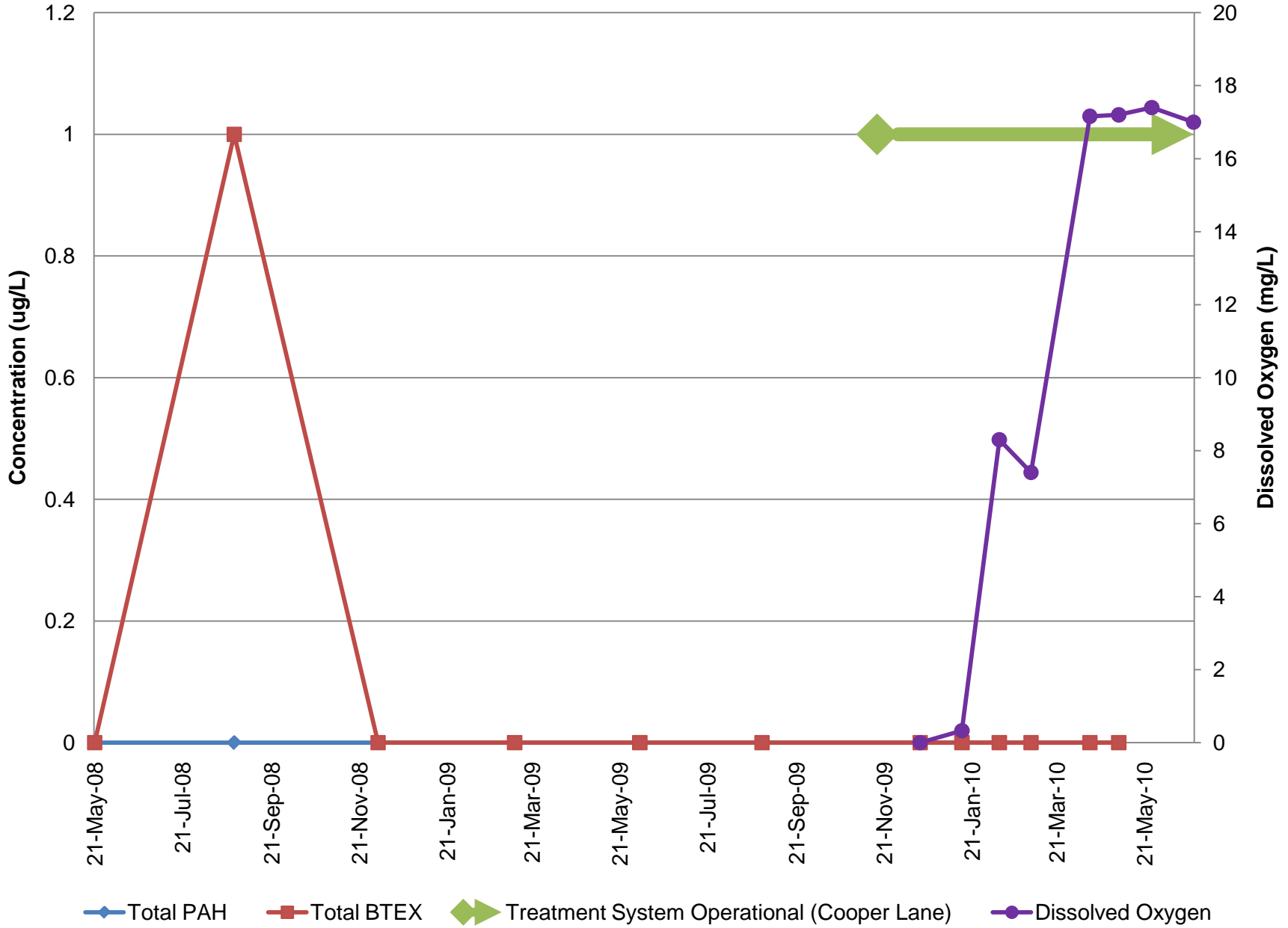
Monitoring Well OU2MW-19I2 35-45 ft bgs



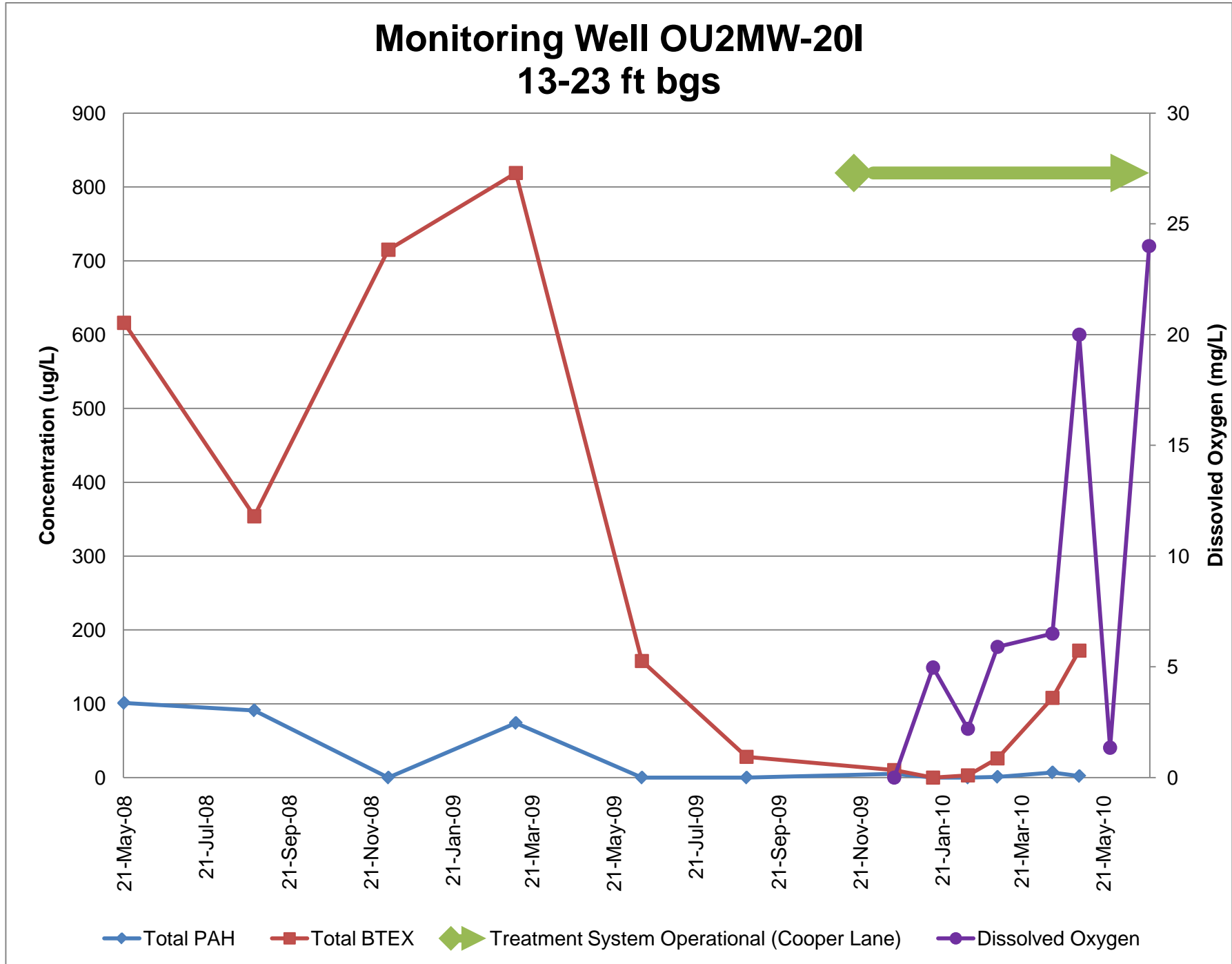
Monitoring Well OU2MW-19D 65-70 ft bgs



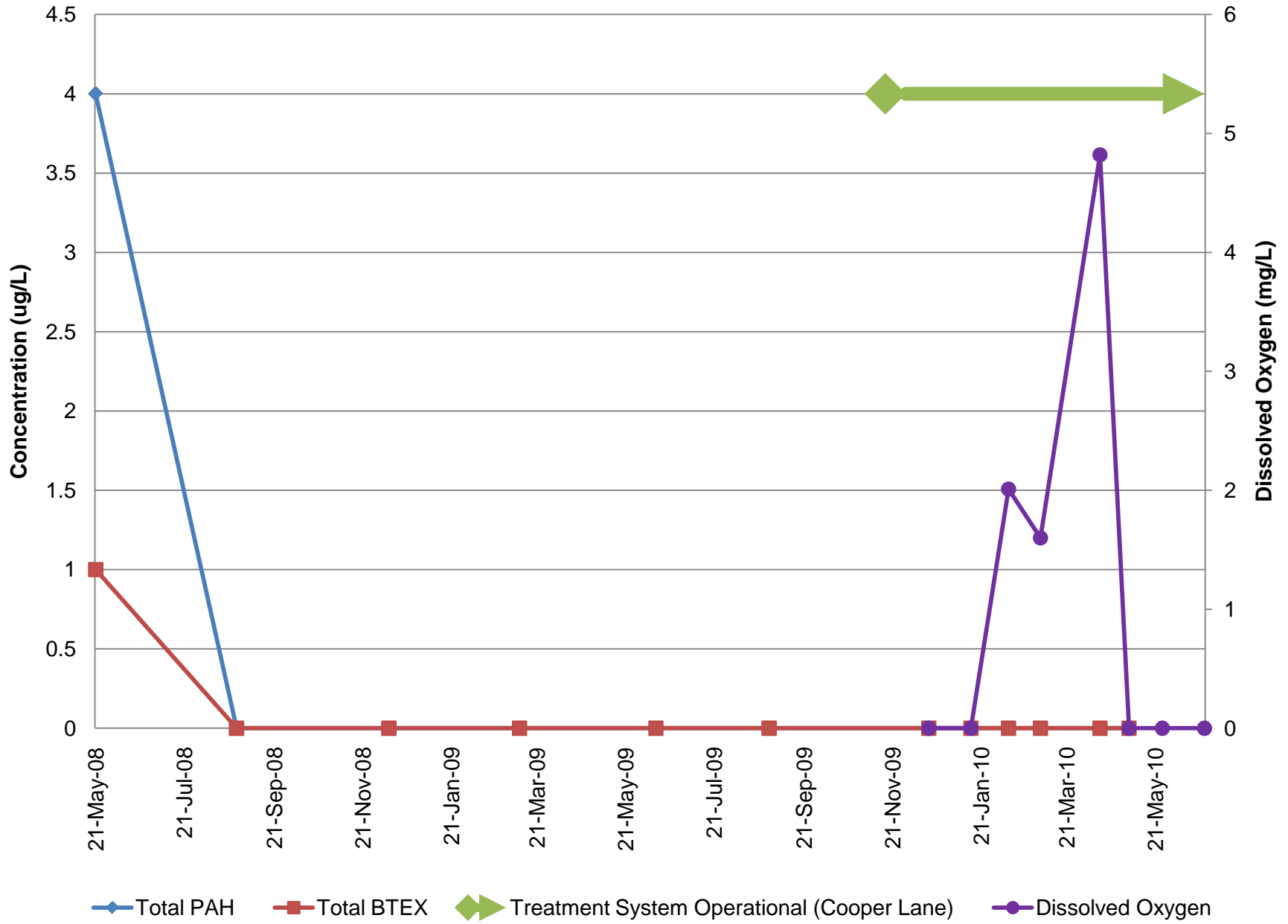
Monitoring Well OU2MW-20S 4-9 ft bgs



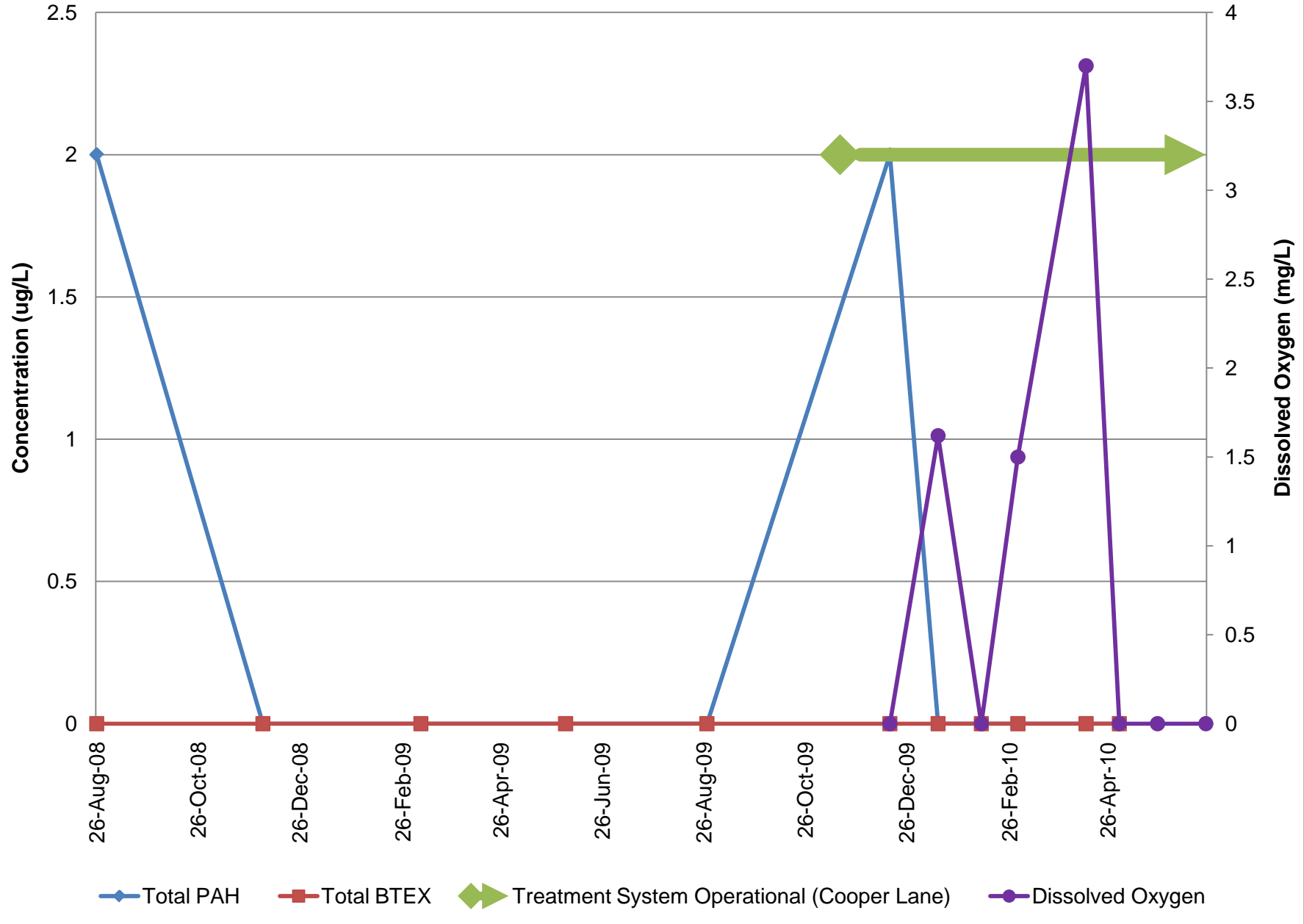
Monitoring Well OU2MW-20I 13-23 ft bgs



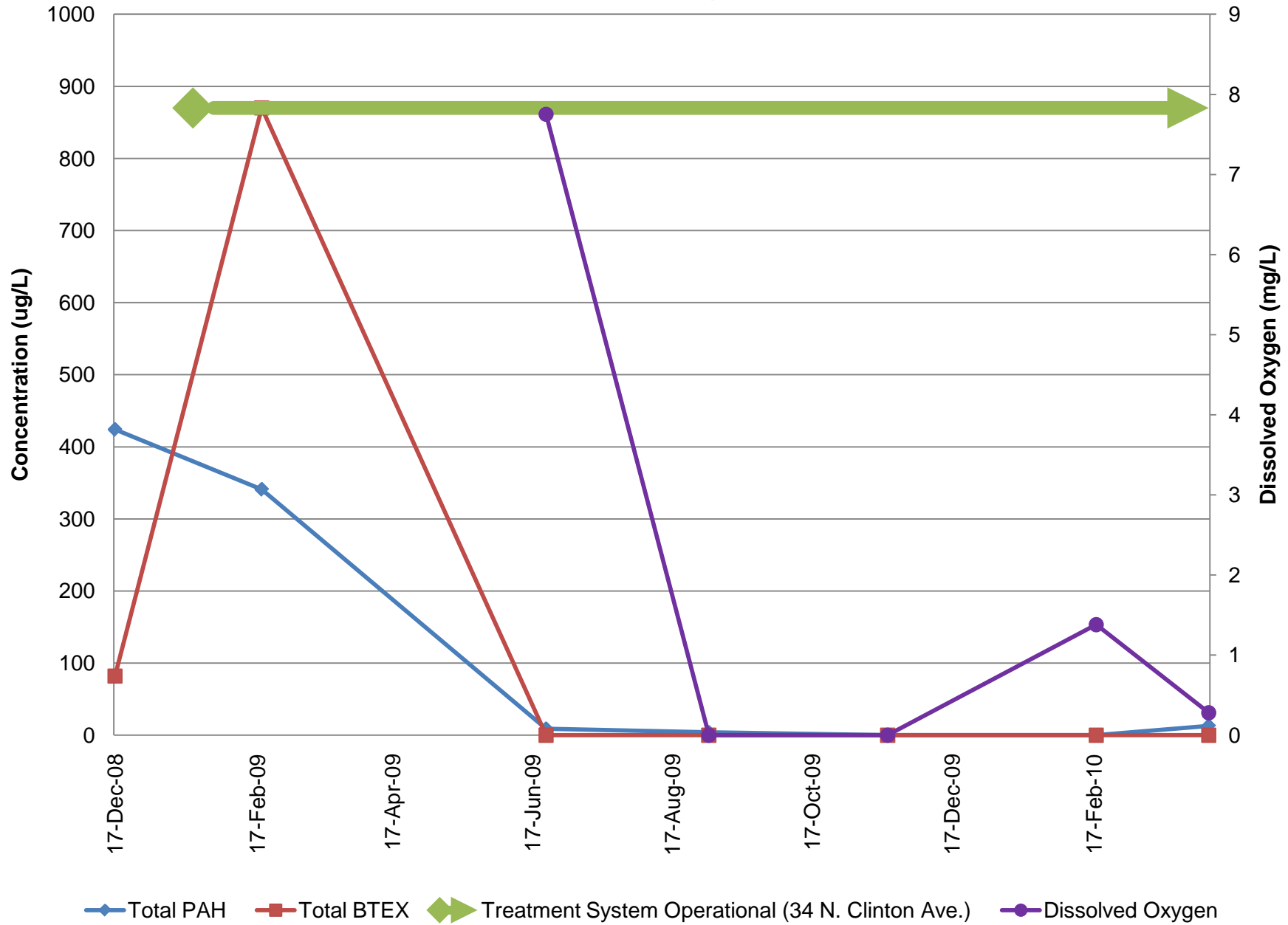
Monitoring Well OU2MW-2012 35-45 ft bgs



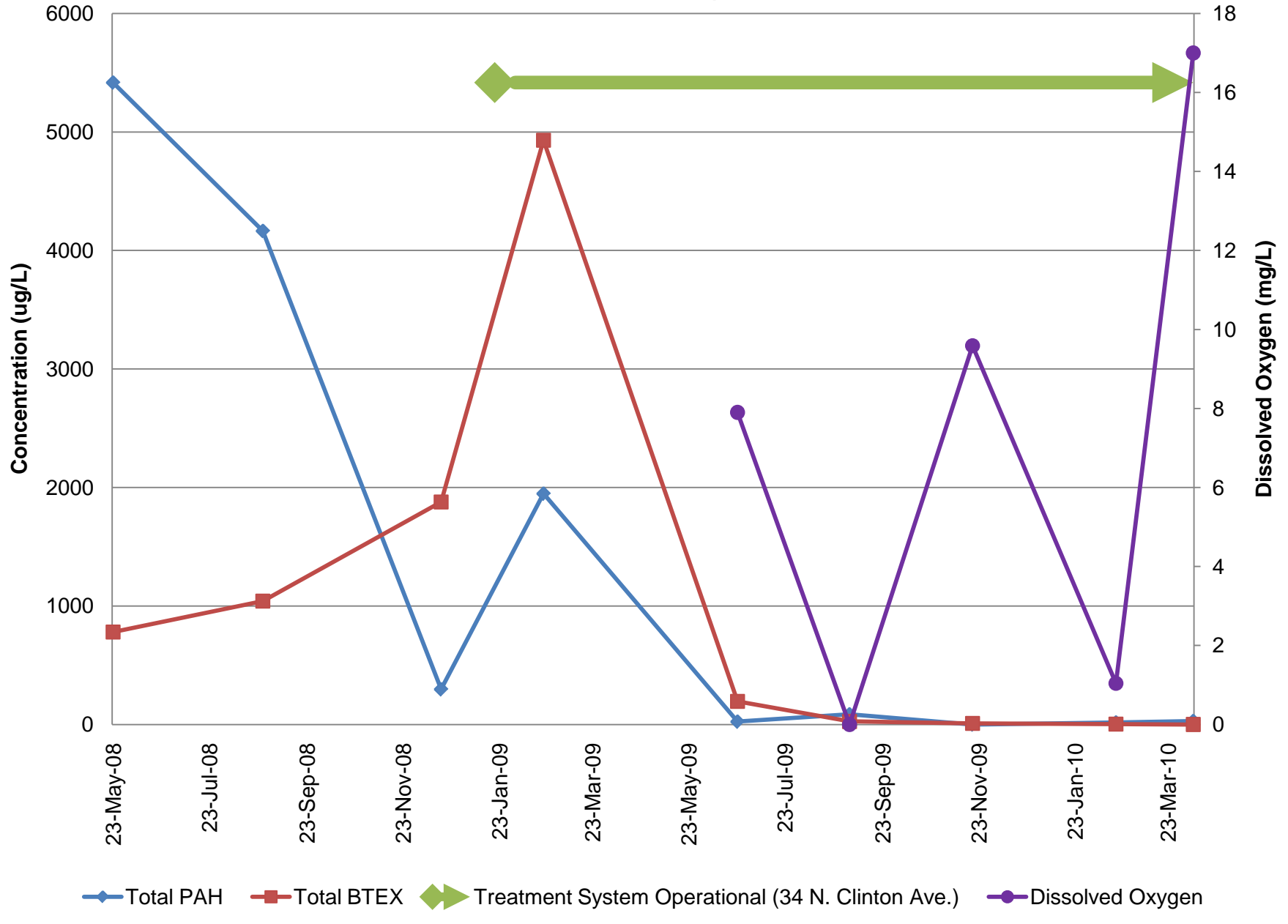
Monitoring Well OU2MW-20D 65-70 ft bgs



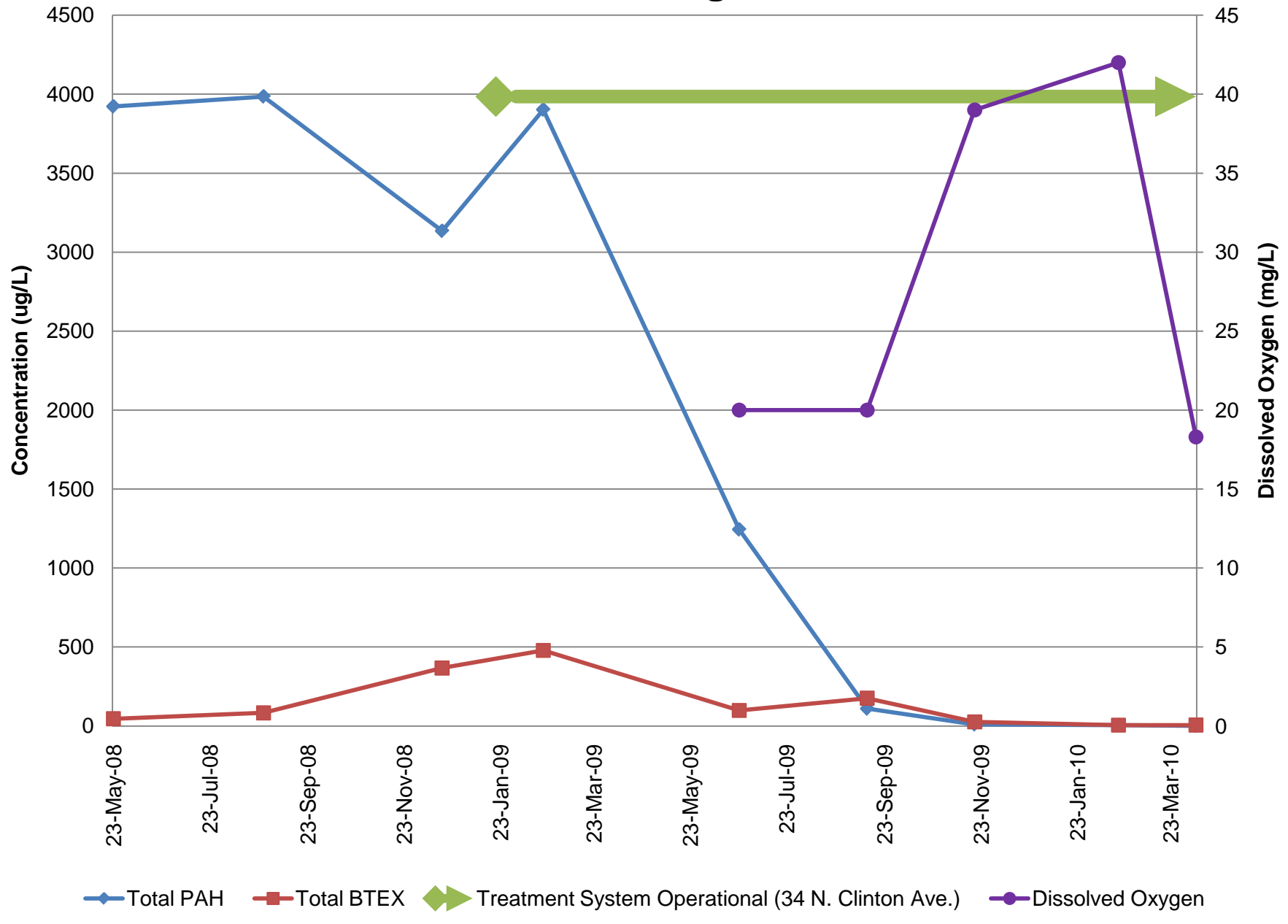
Monitoring Well OU2MW-21S 5-15 ft bgs



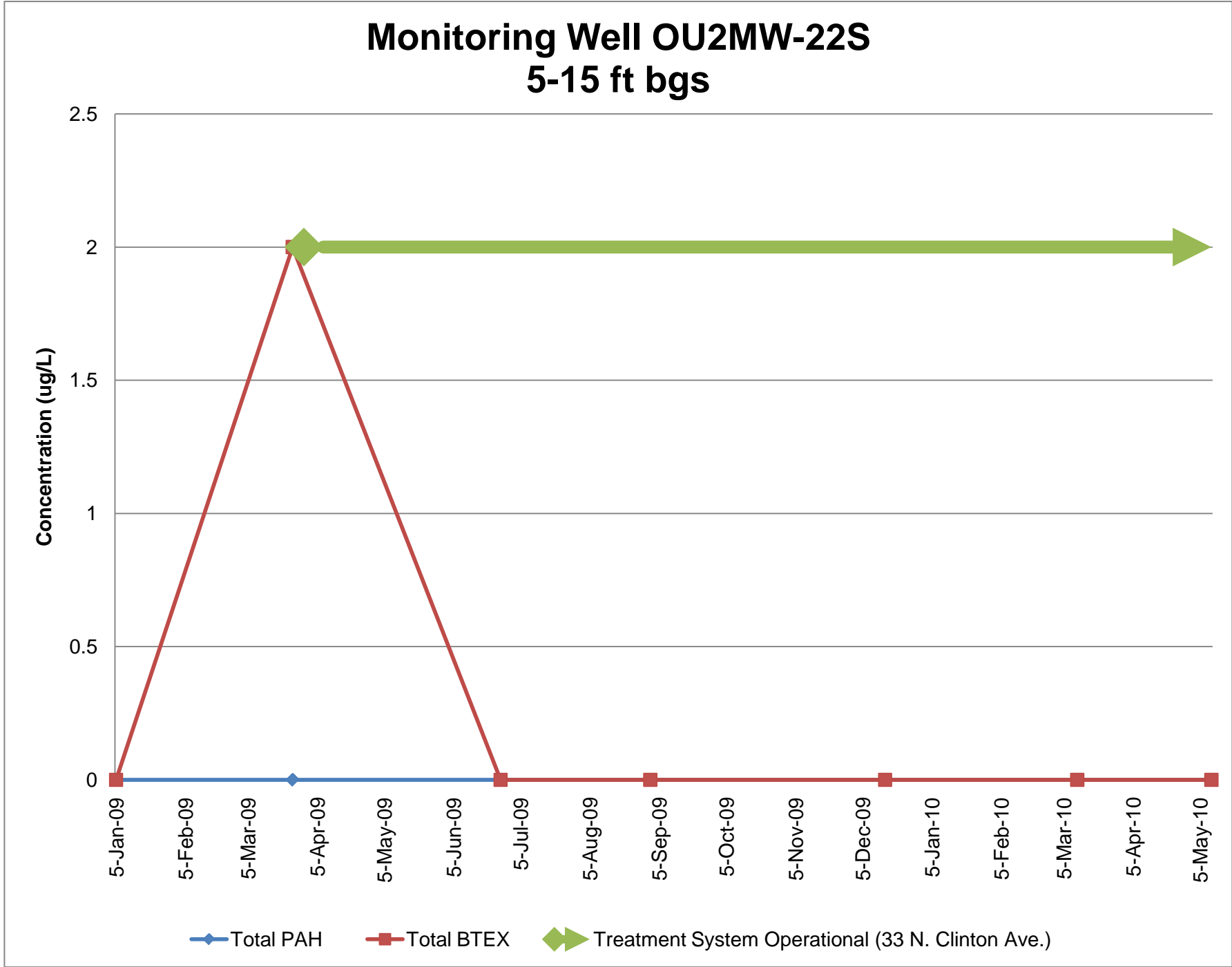
Monitoring Well OU2MW-21I 13-23 ft bgs



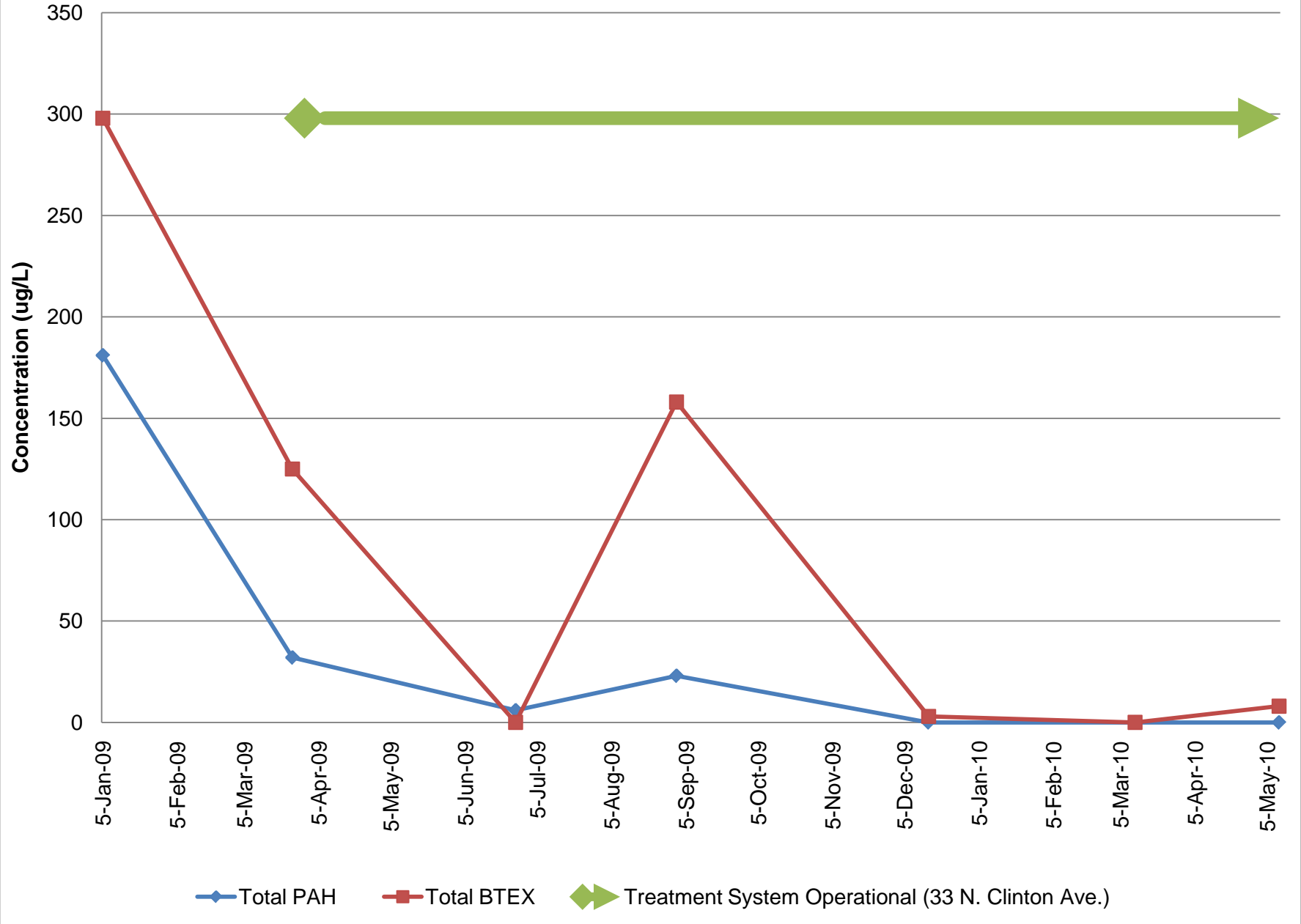
Monitoring Well OU2MW-21I2 35-45 ft bgs

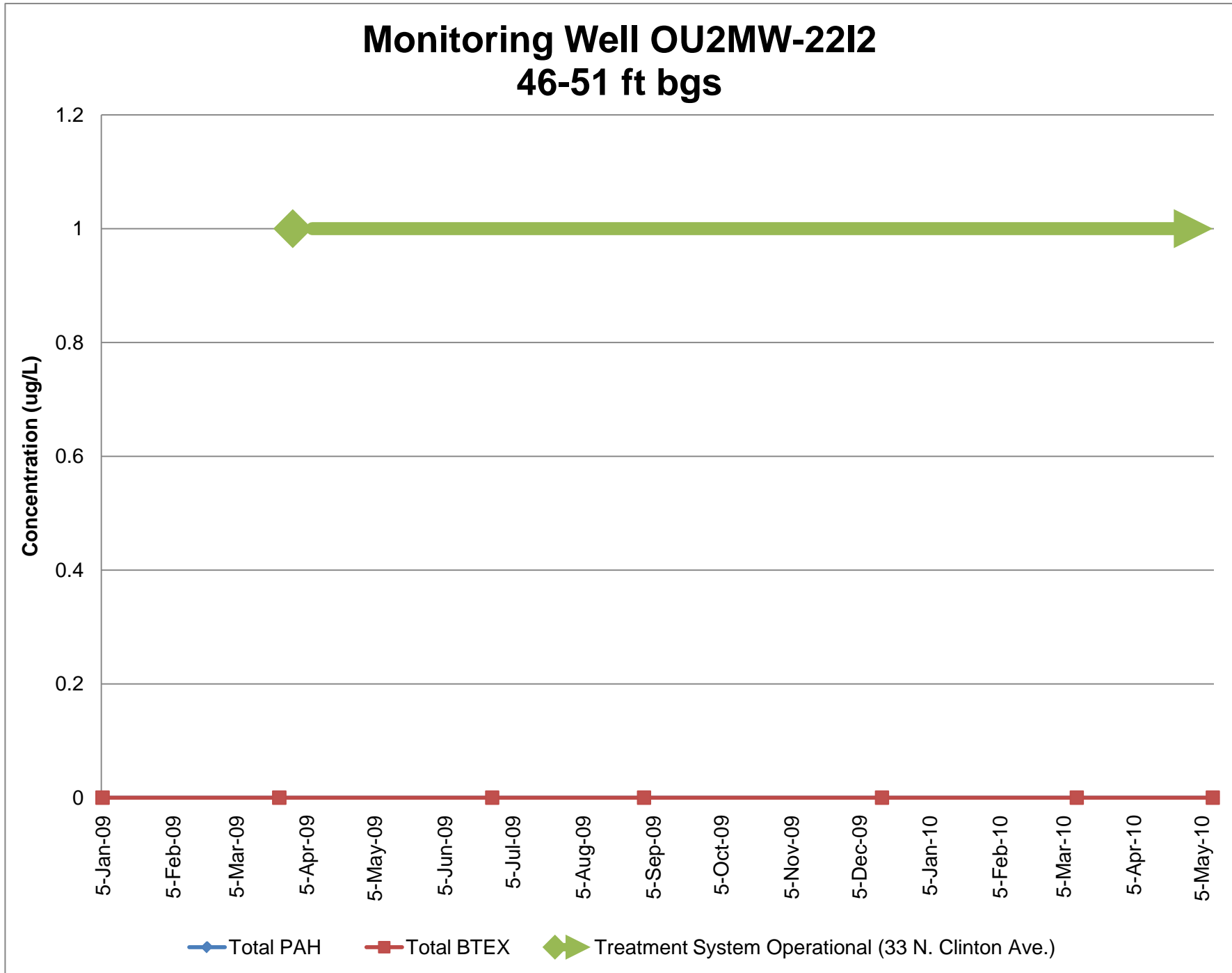


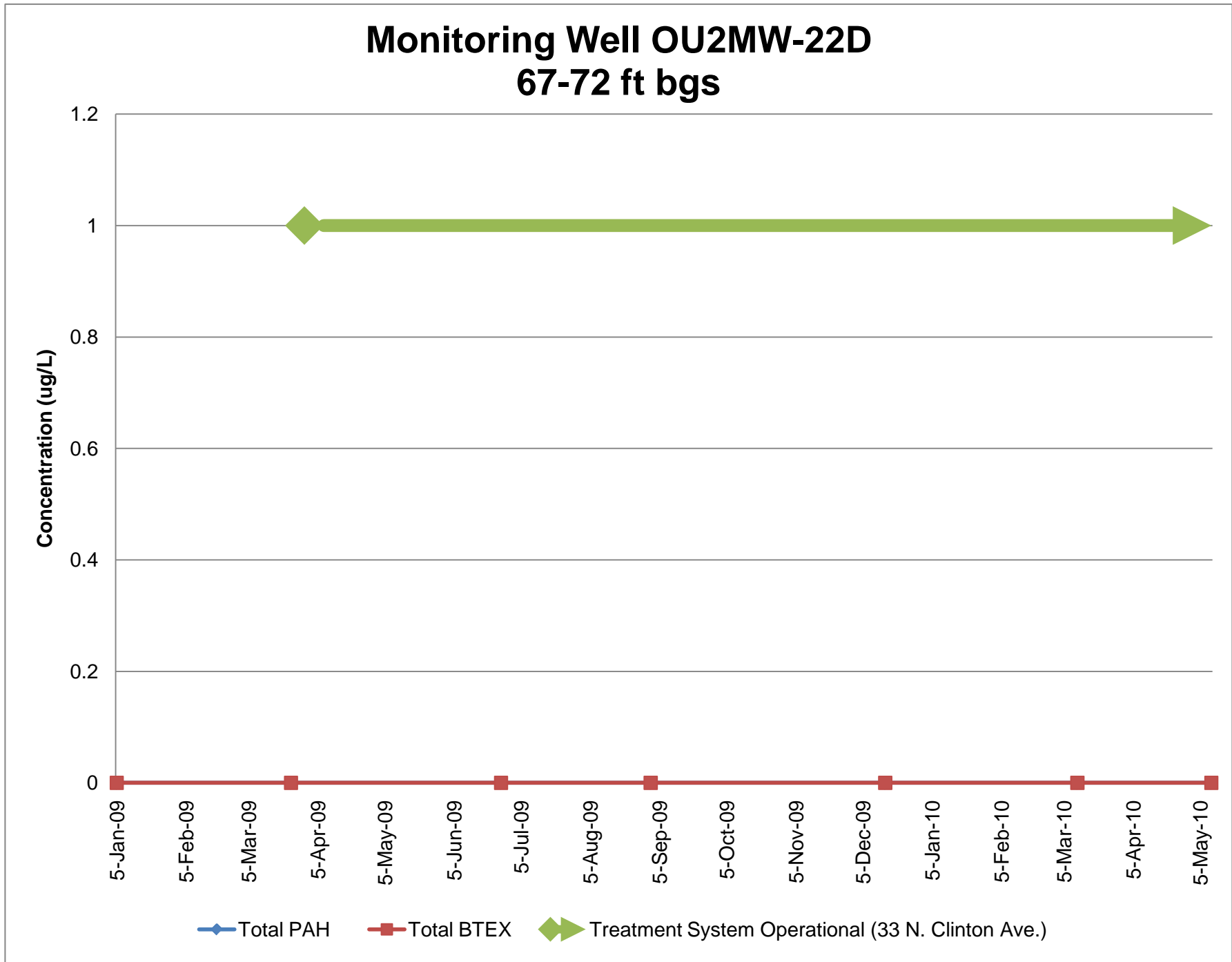
Monitoring Well OU2MW-22S 5-15 ft bgs

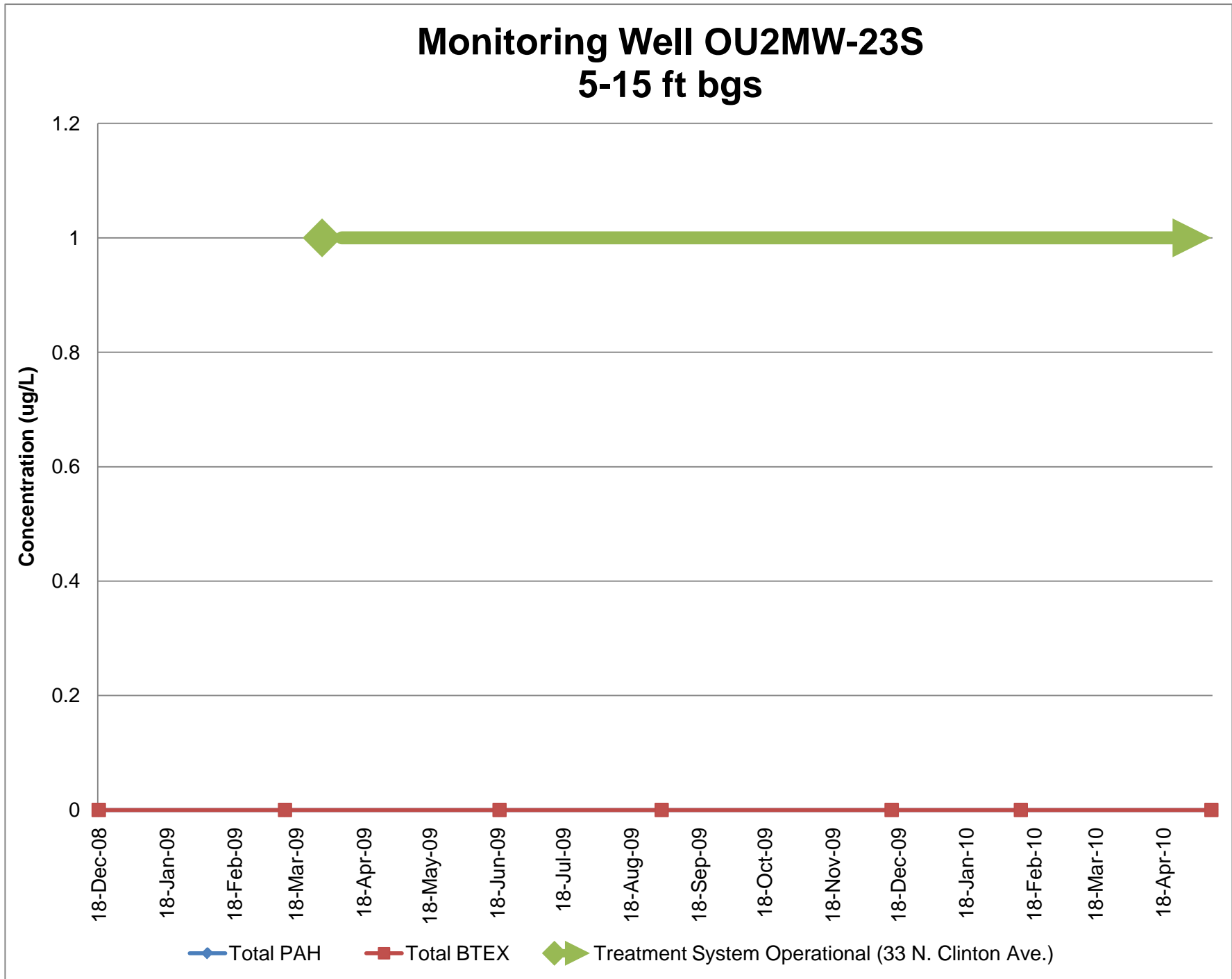


Monitoring Well OU2MW-22I 25-30 ft bgs

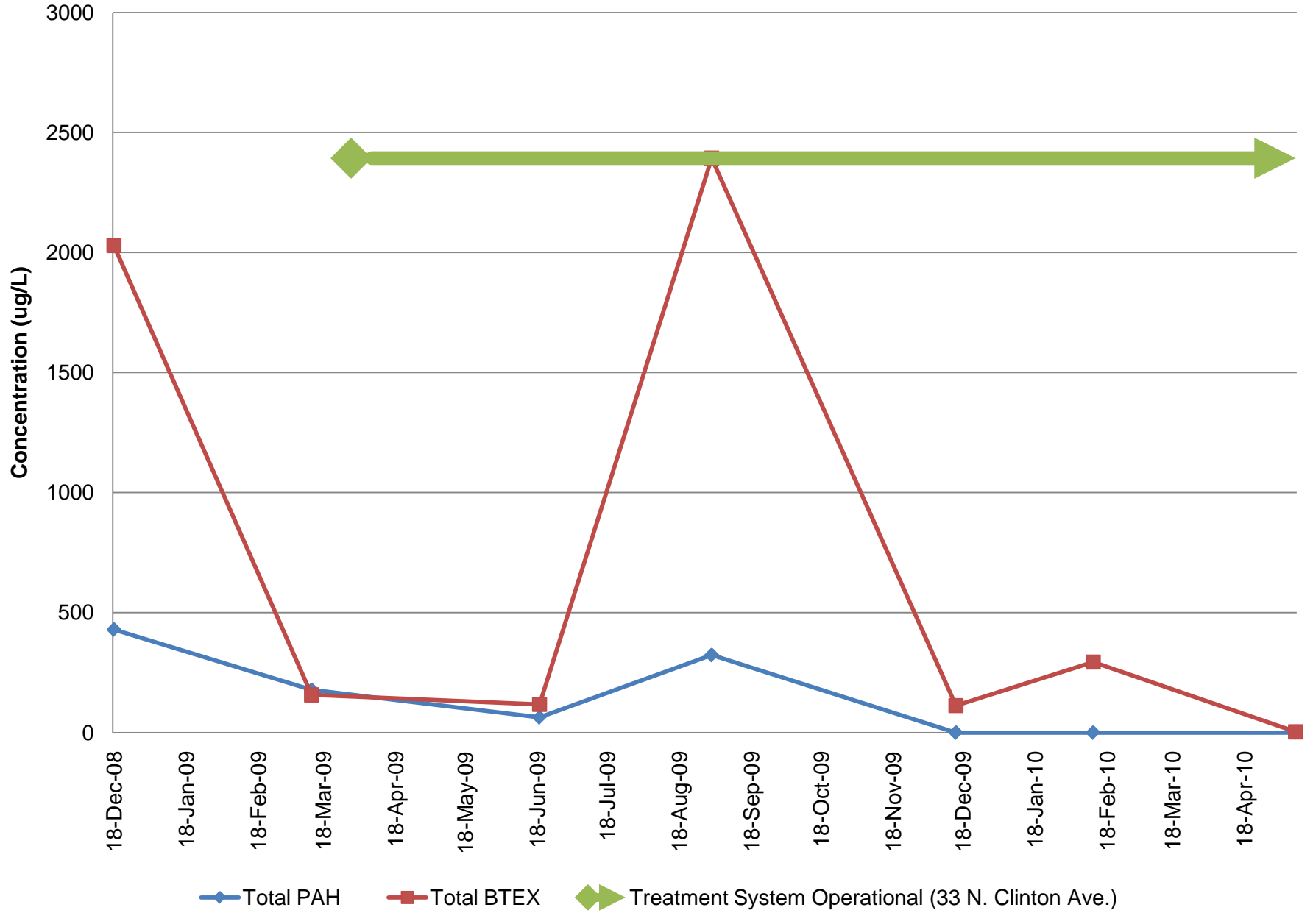




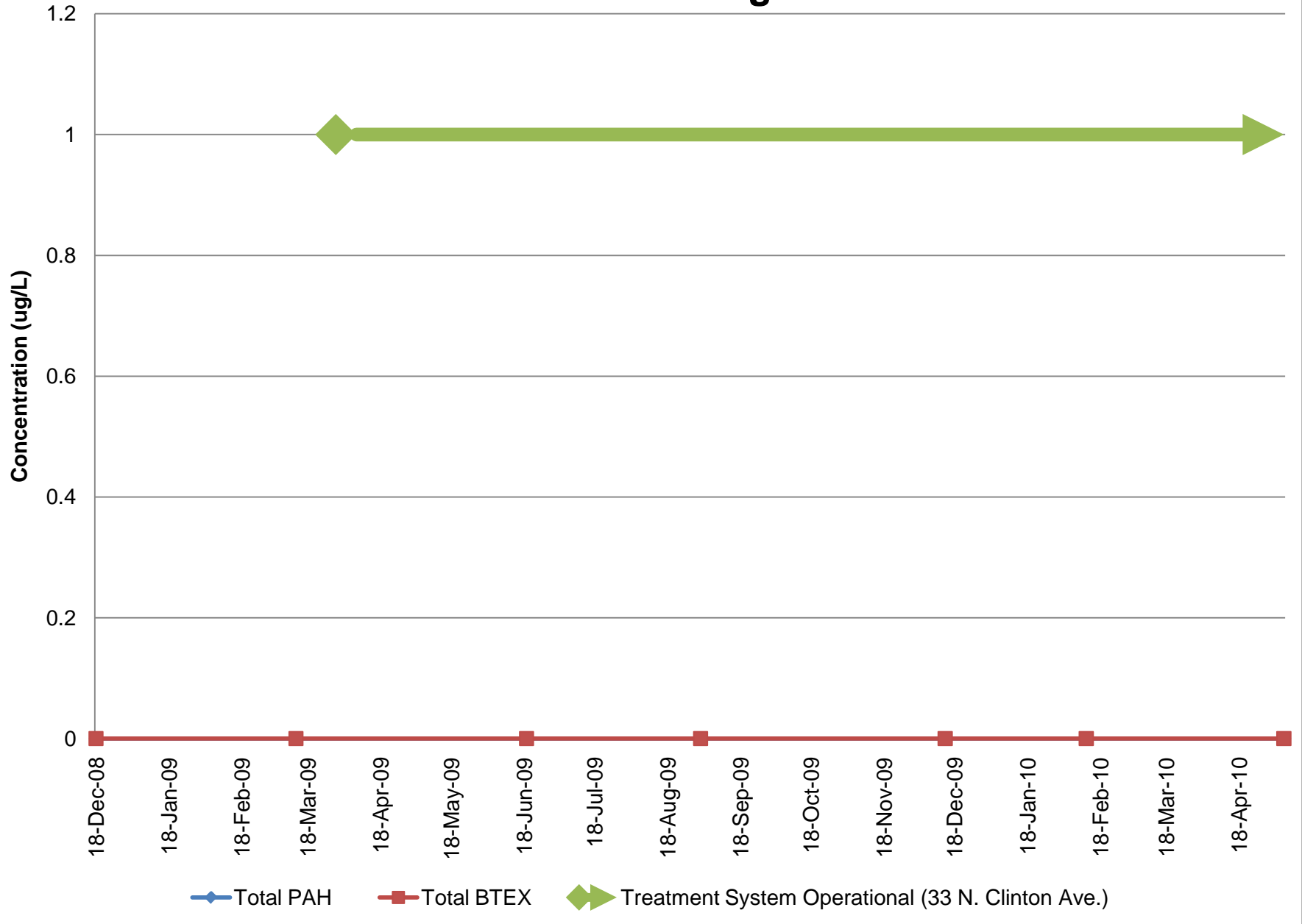


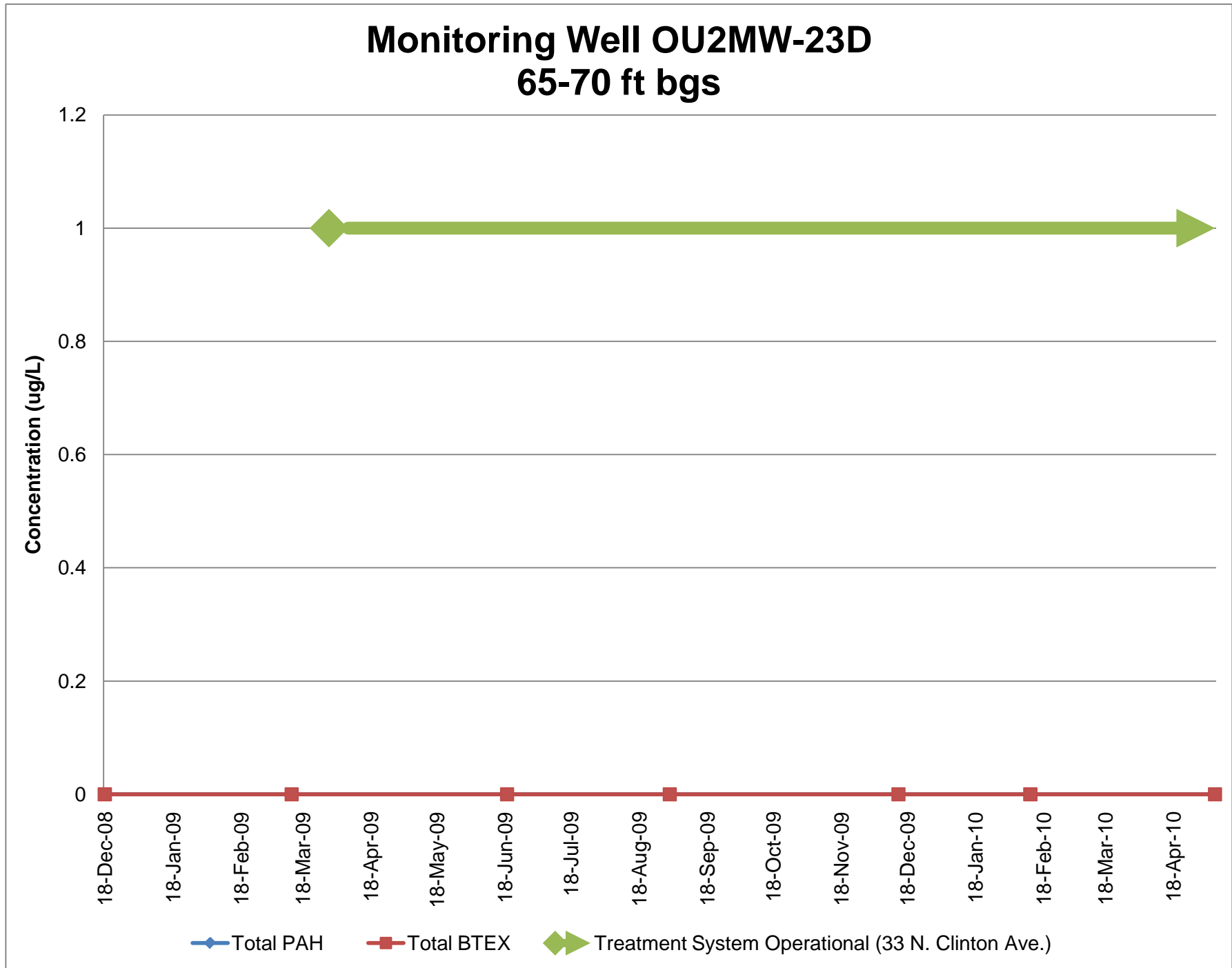


Monitoring Well OU2MW-23I 25-30 ft bgs

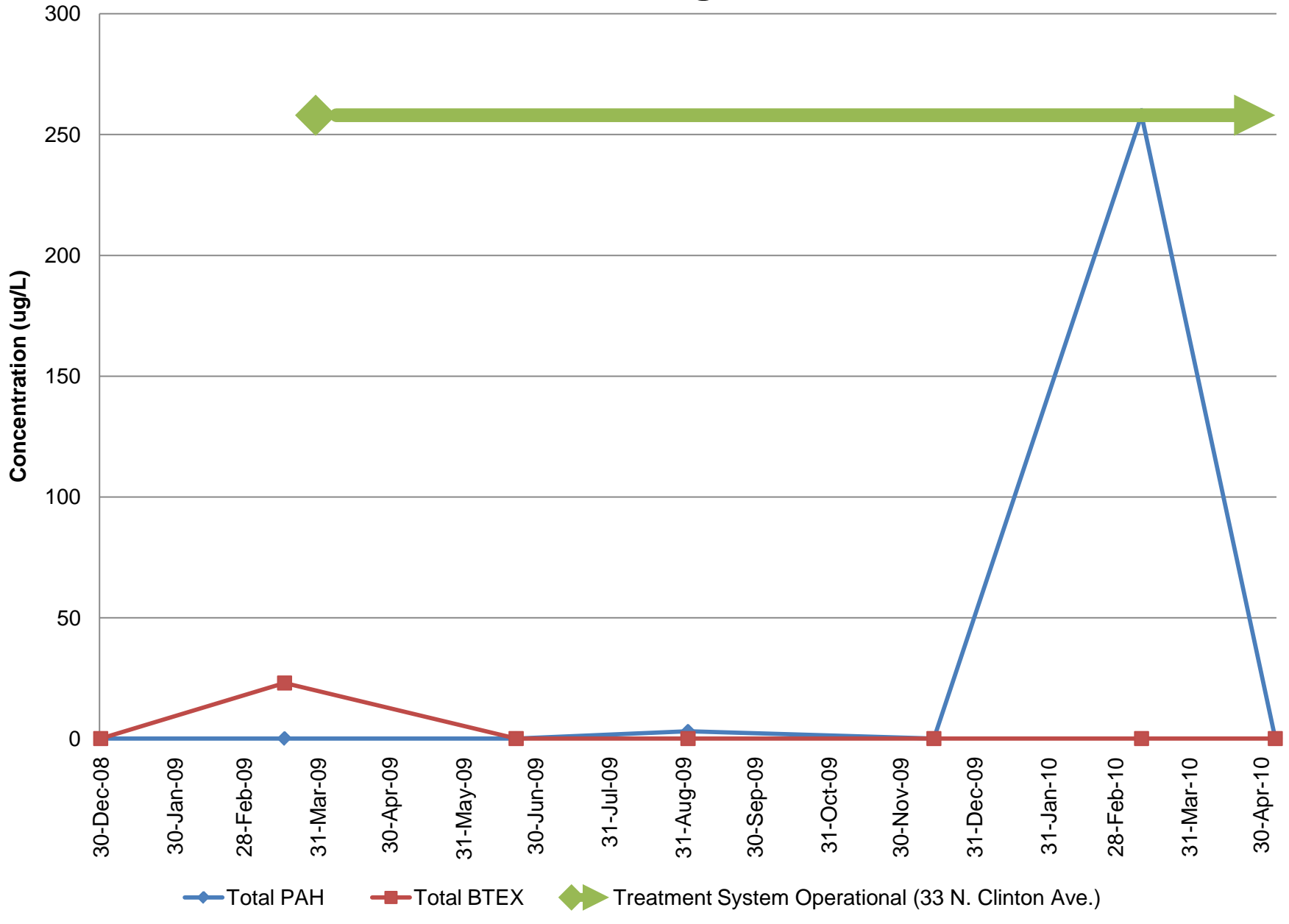


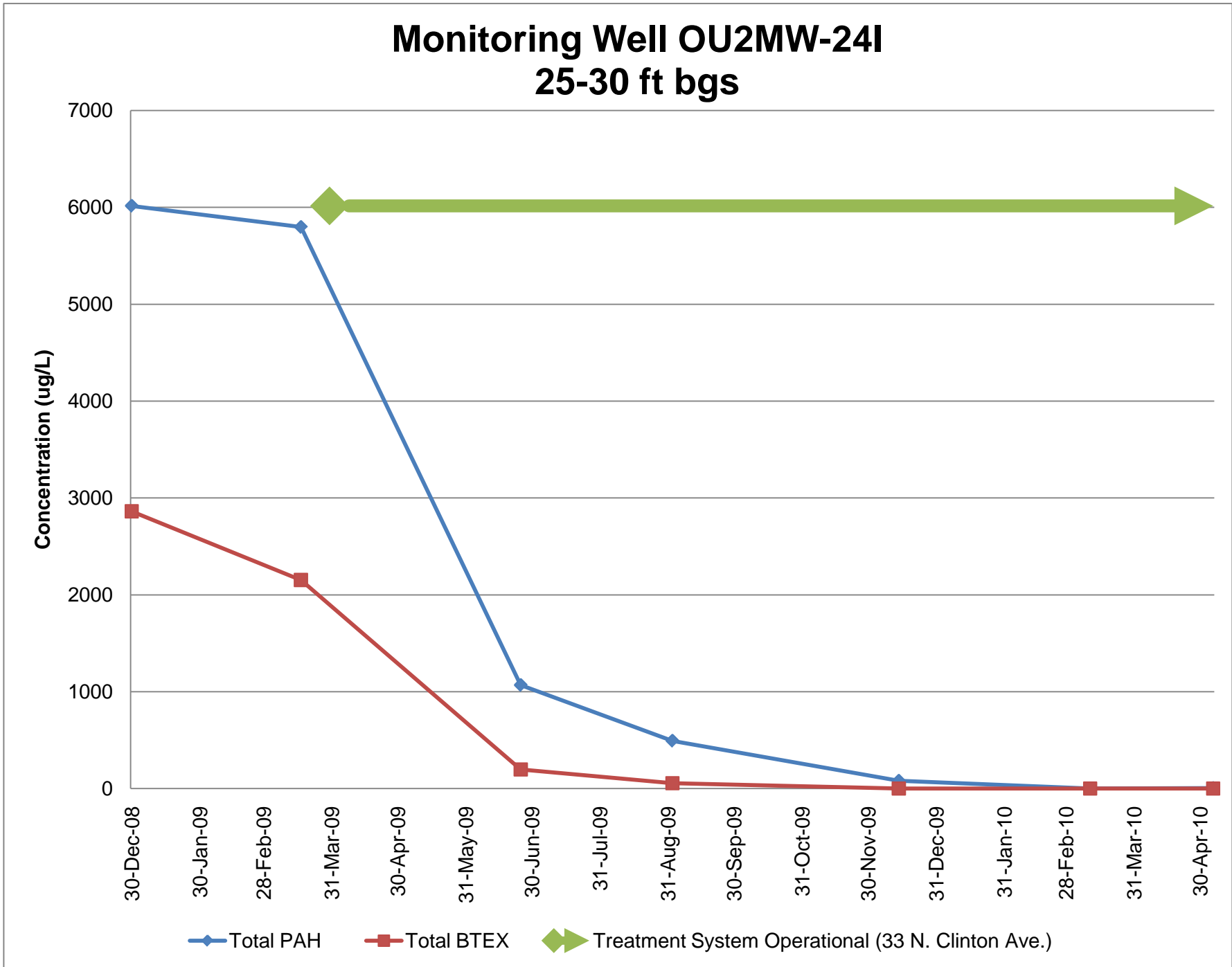
Monitoring Well OU2MW-23I2 45-50 ft bgs

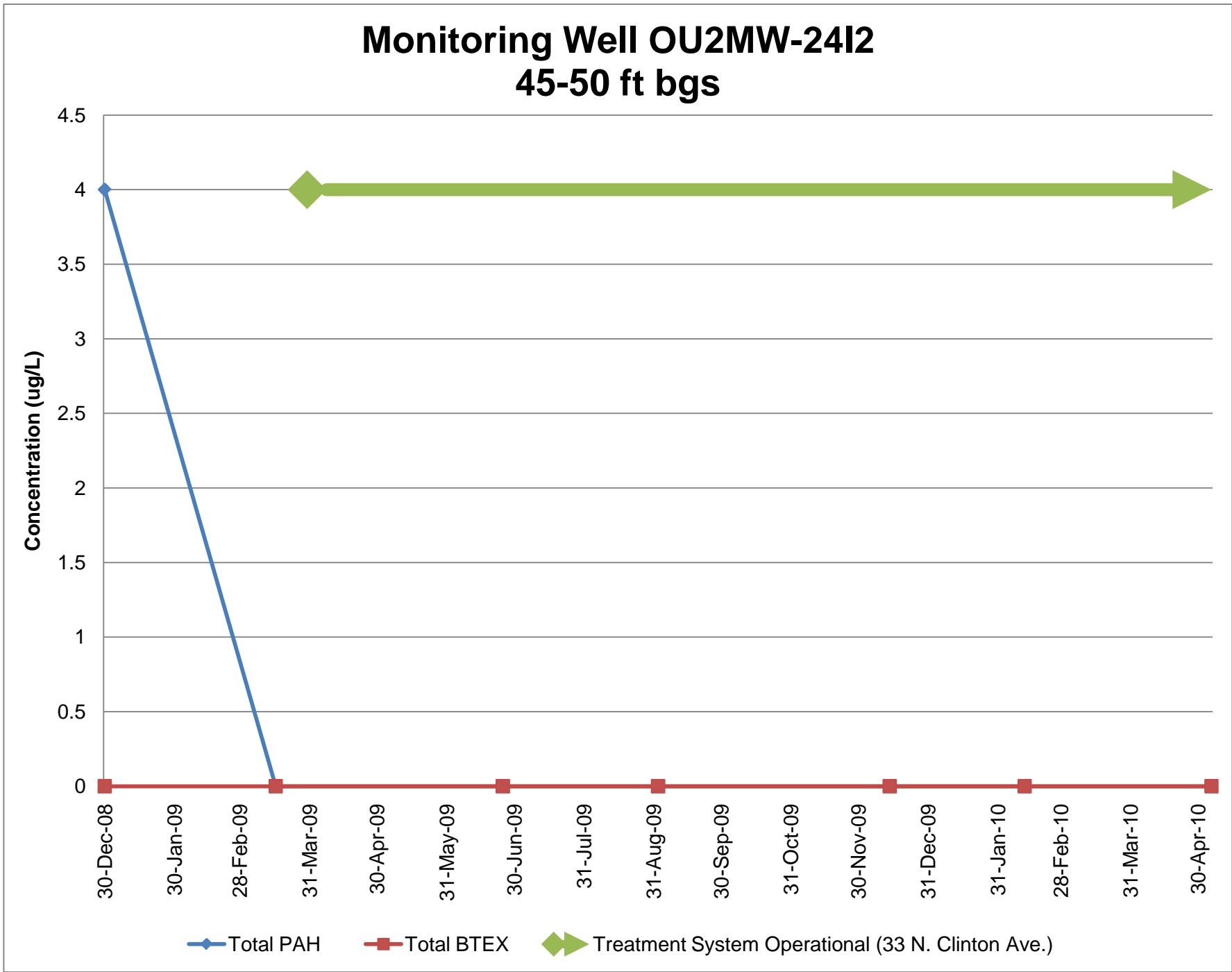




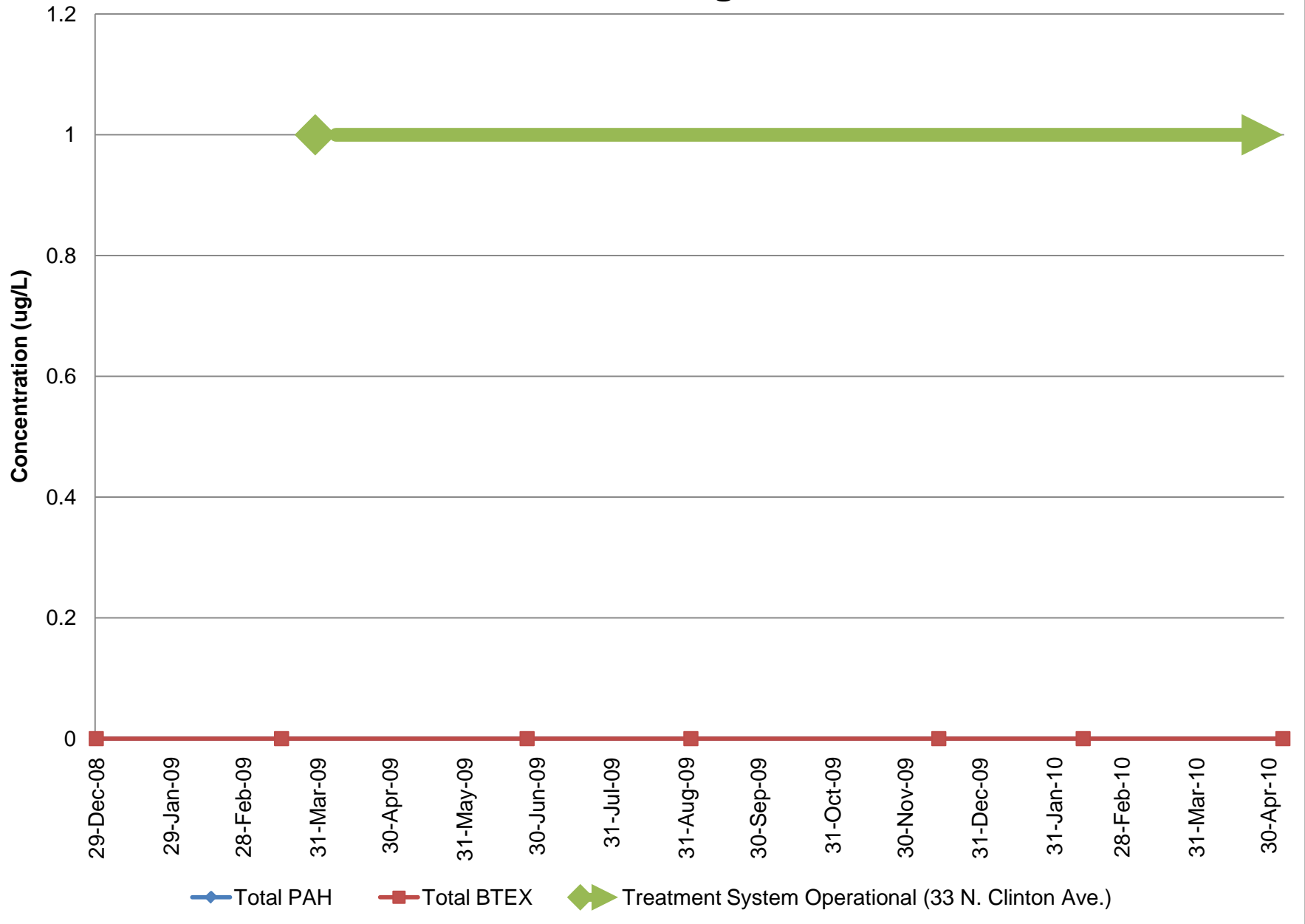
Monitoring Well OU2MW-24S 5-15 ft bgs

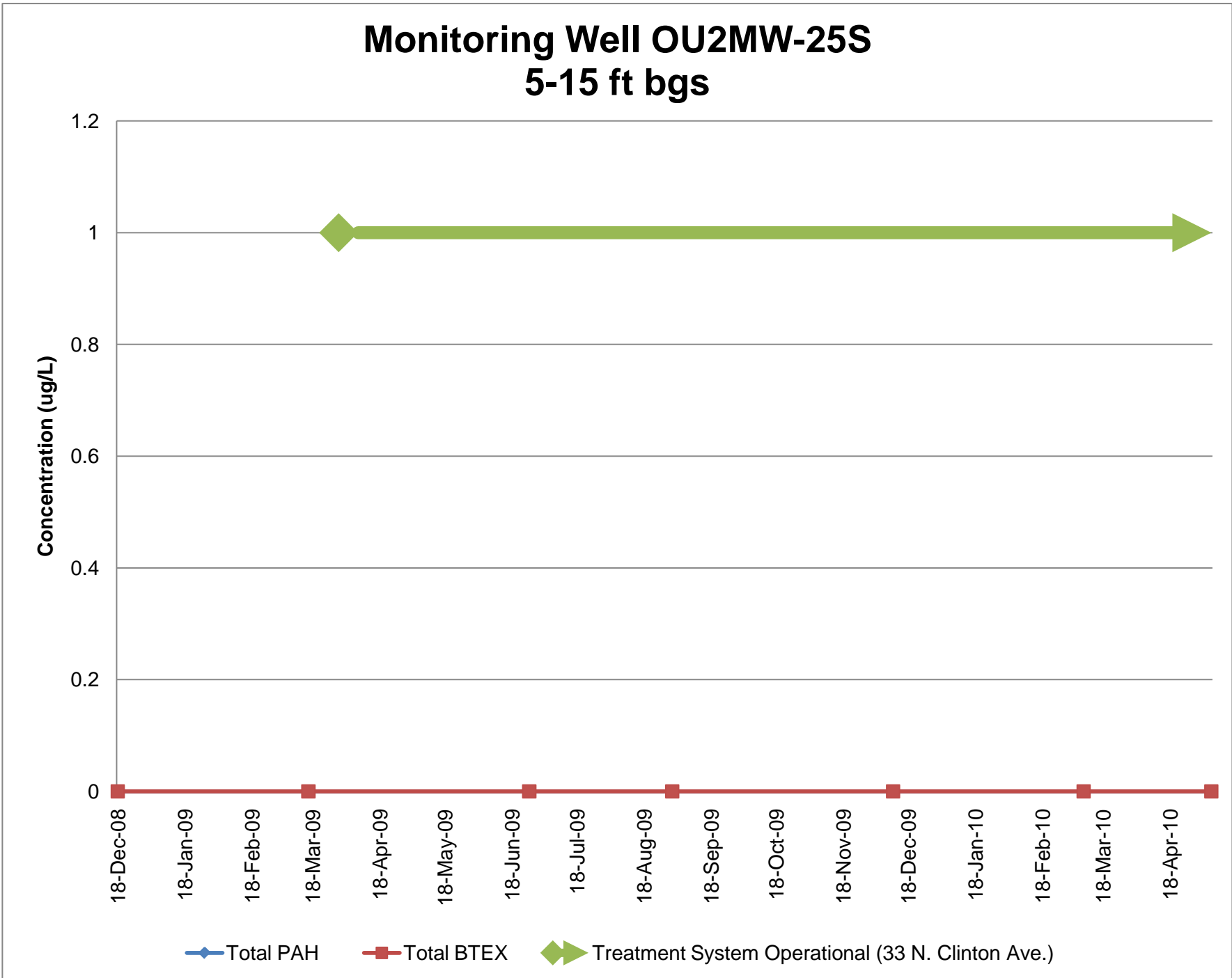




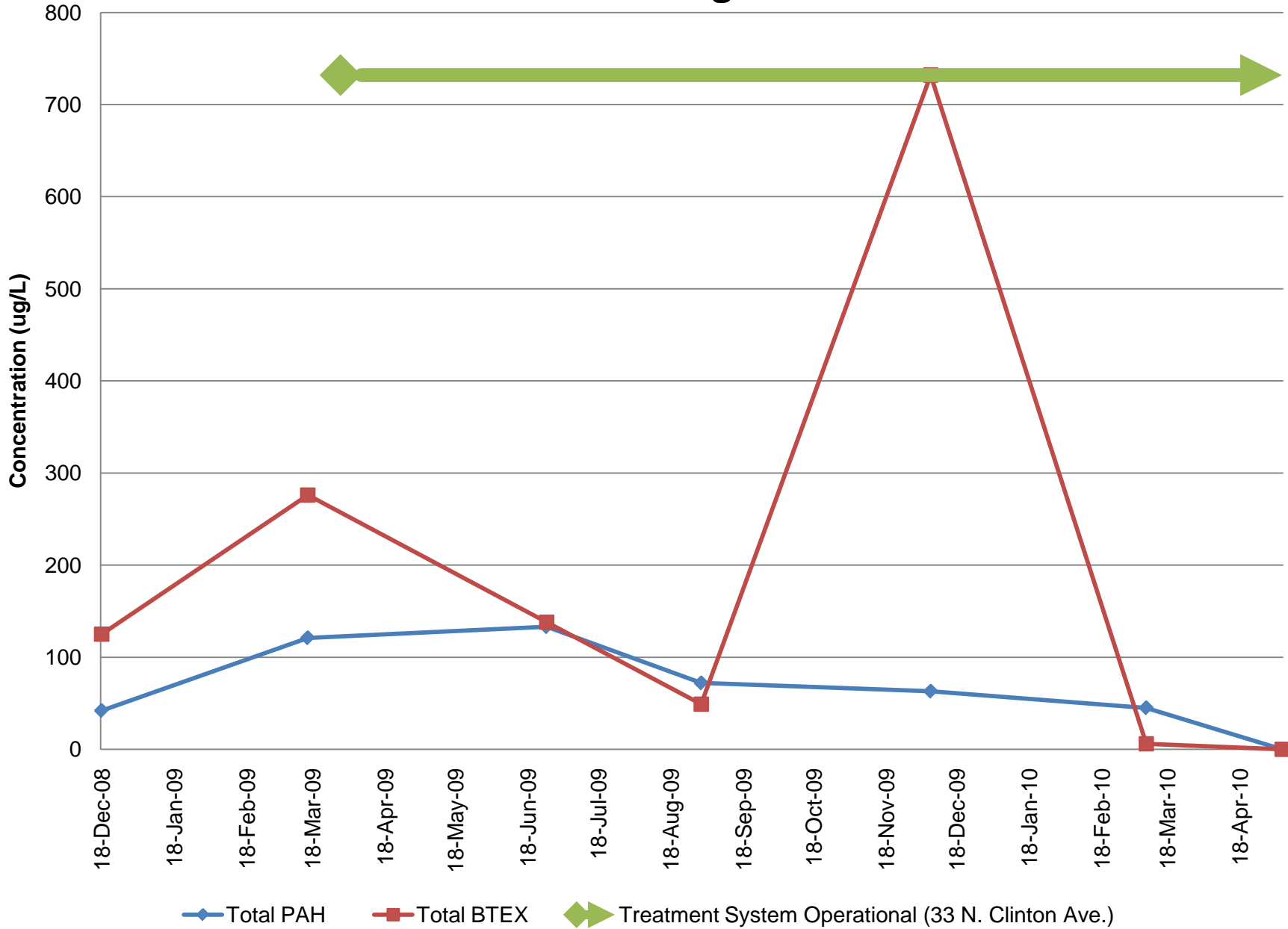


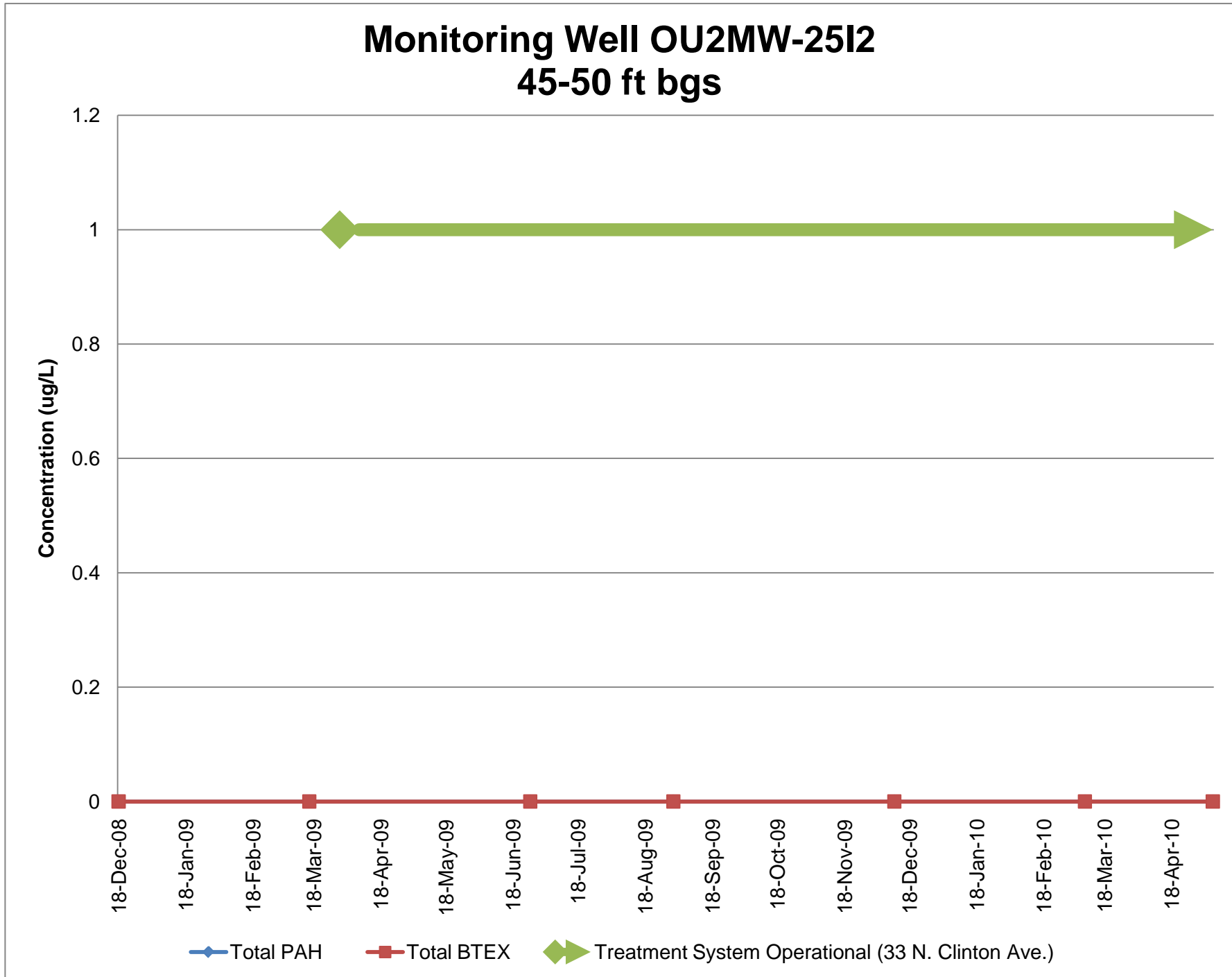
Monitoring Well OU2MW-24D 62-67 ft bgs

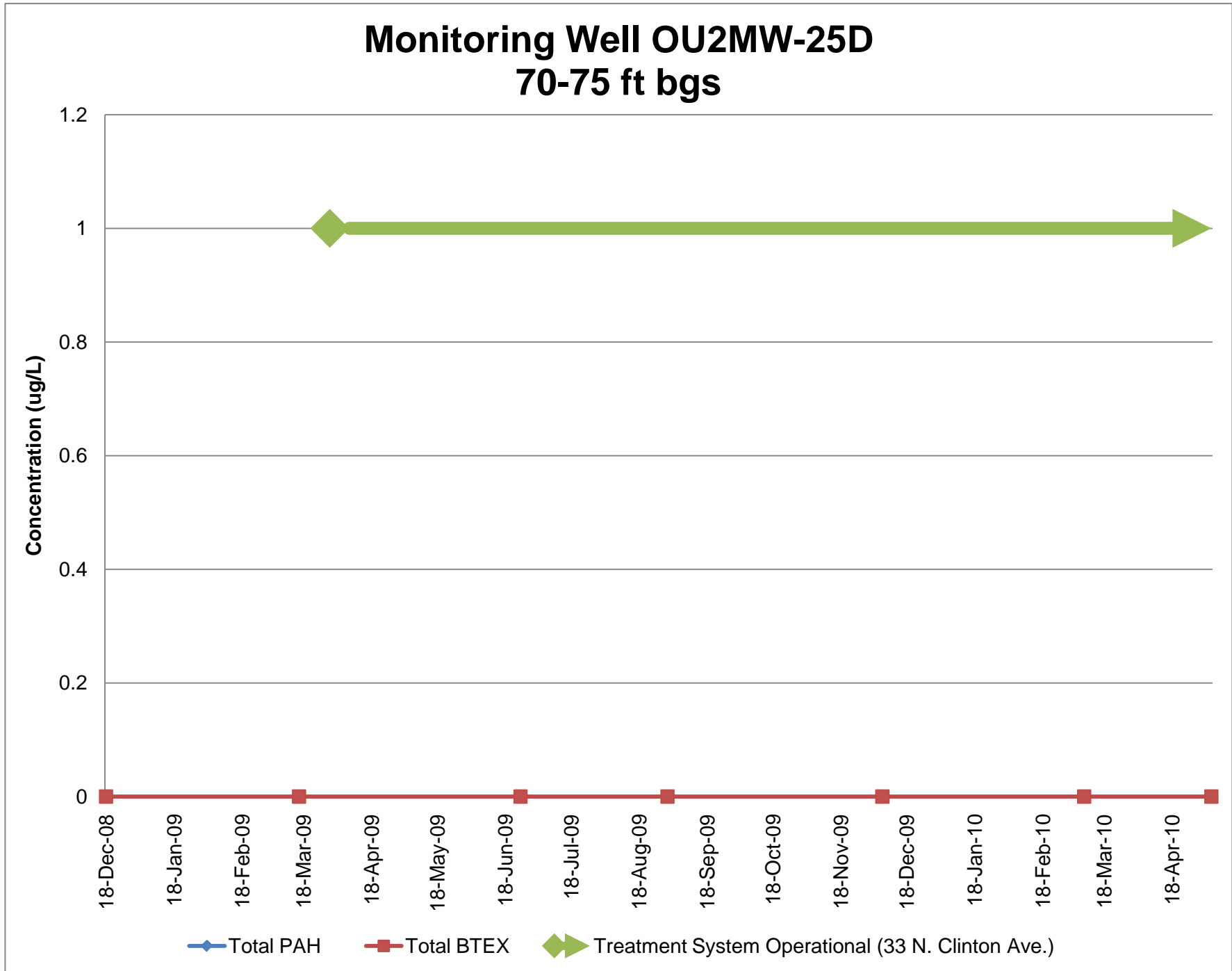




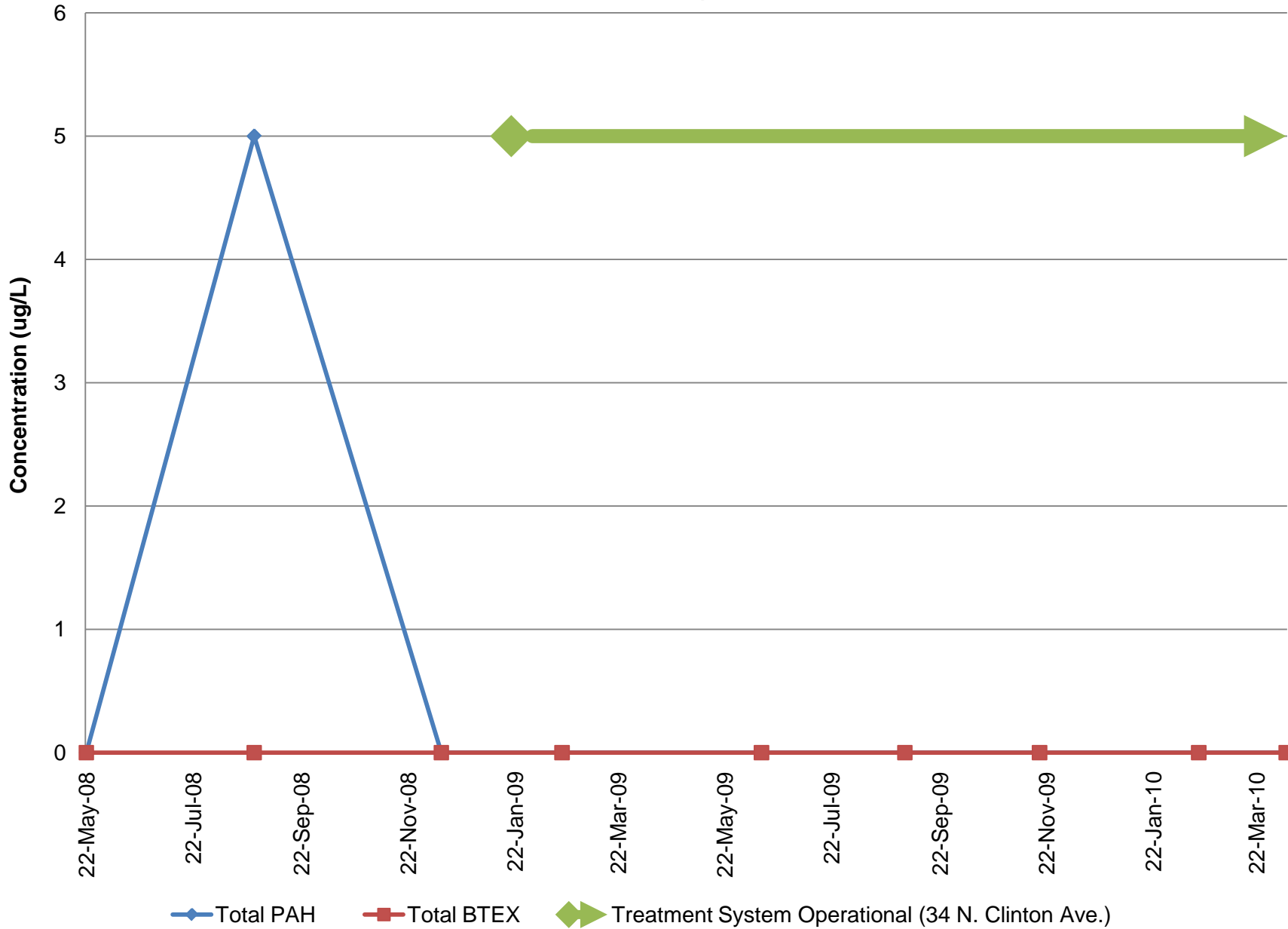
Monitoring Well OU2MW-25I 25-30 ft bgs



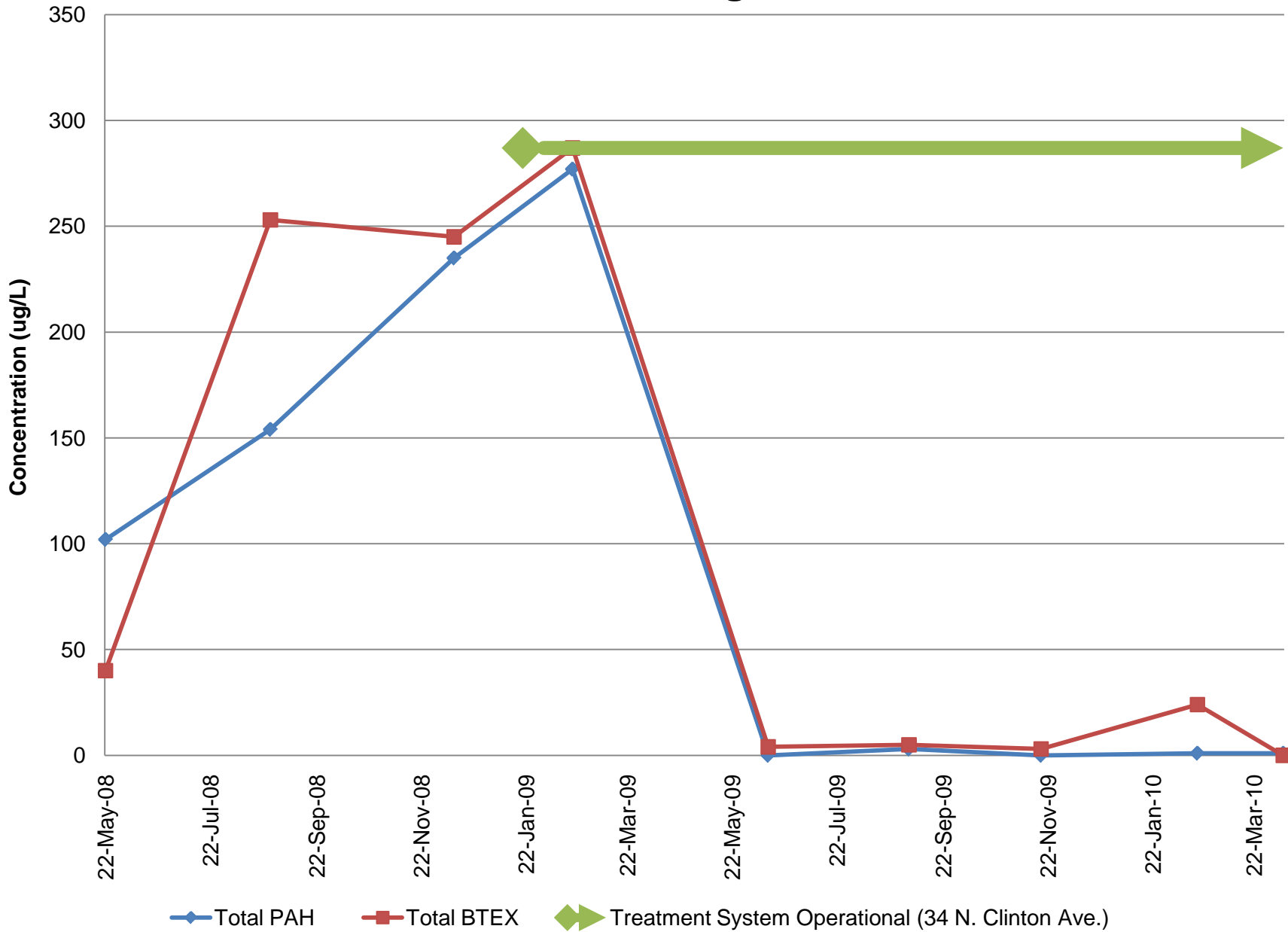




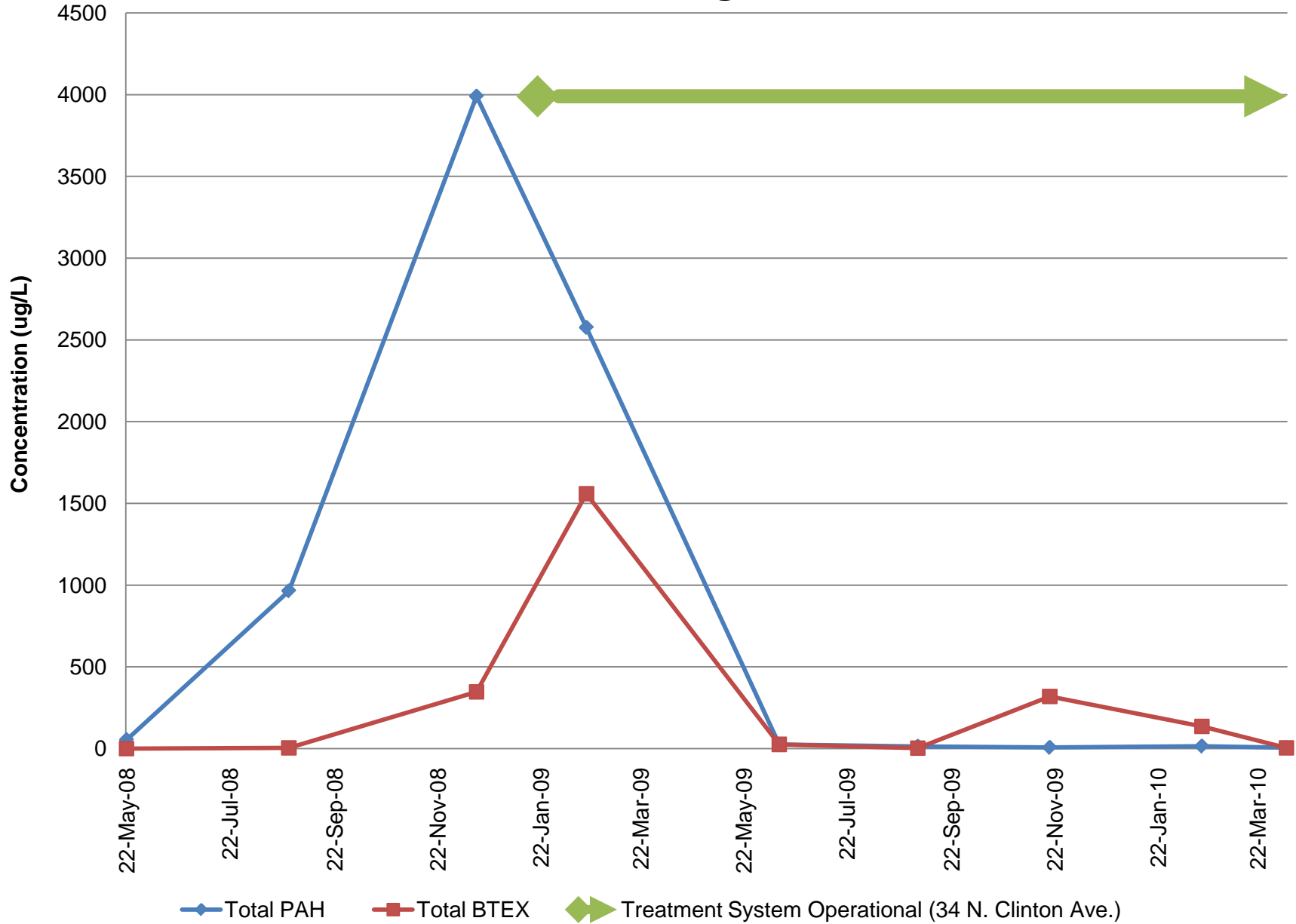
Monitoring Well OU2MW-26S 6-11 ft bgs



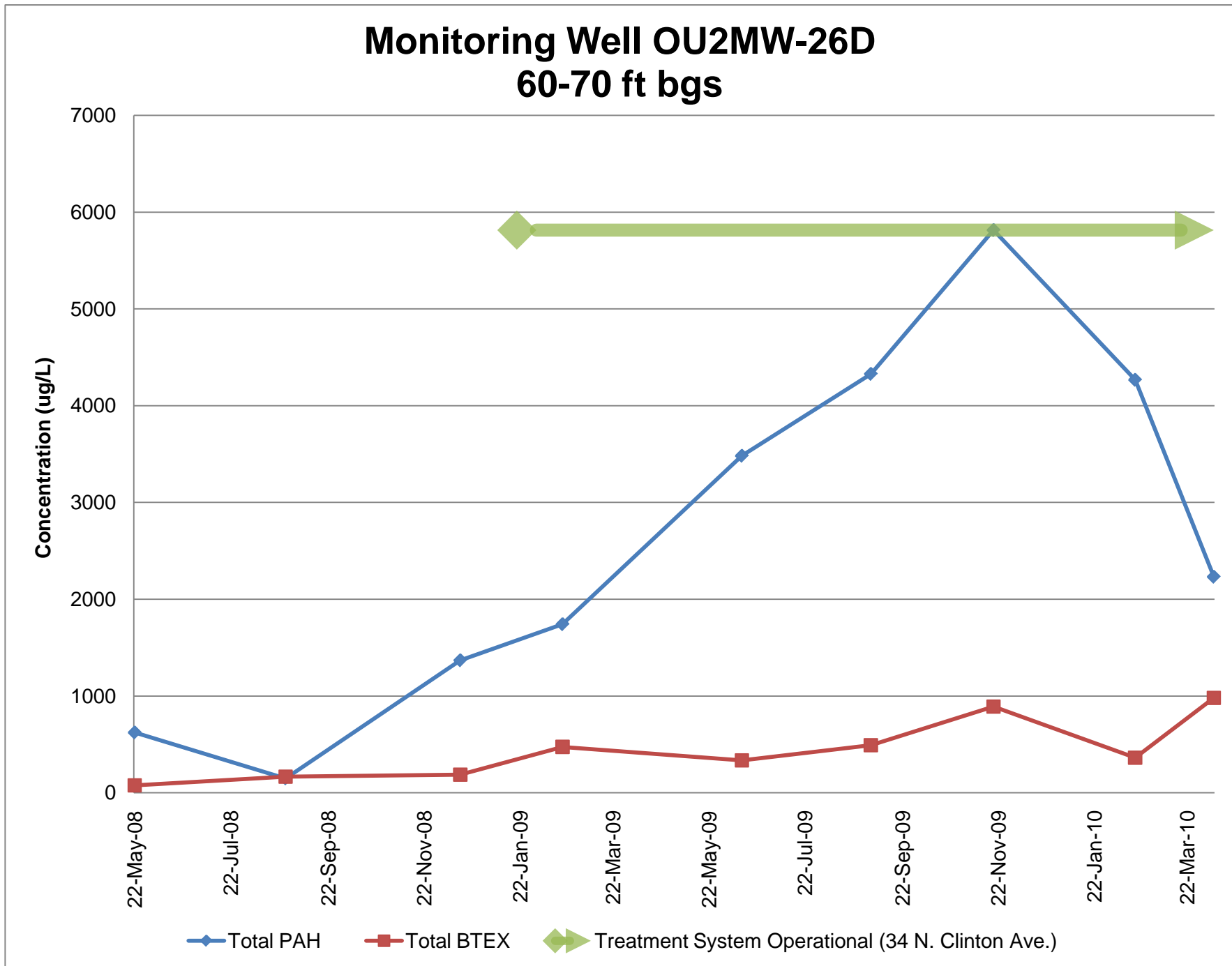
Monitoring Well OU2MW-26I 13-23 ft bgs



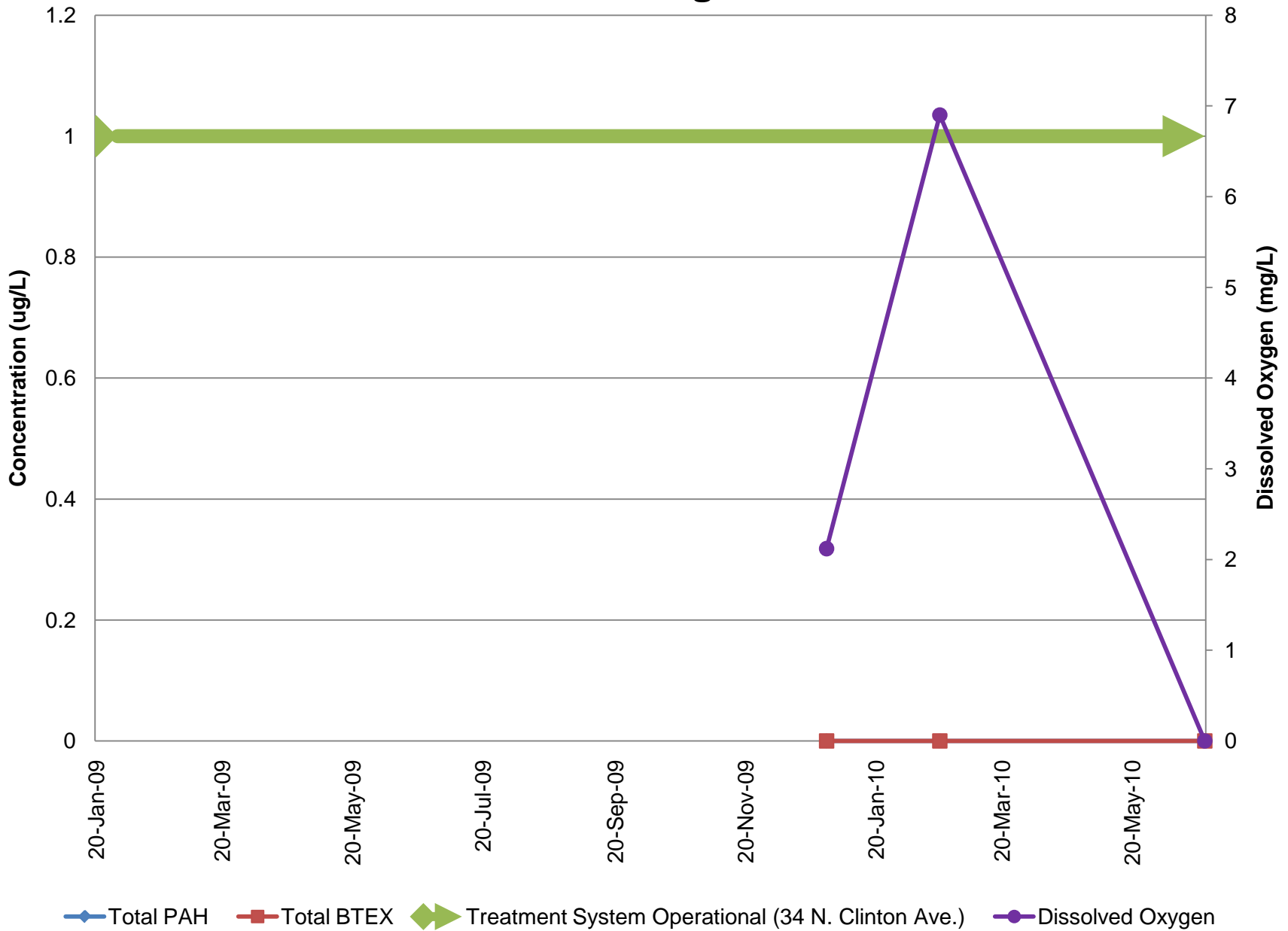
Monitoring Well OU2MW-26I2 35-45 ft bgs



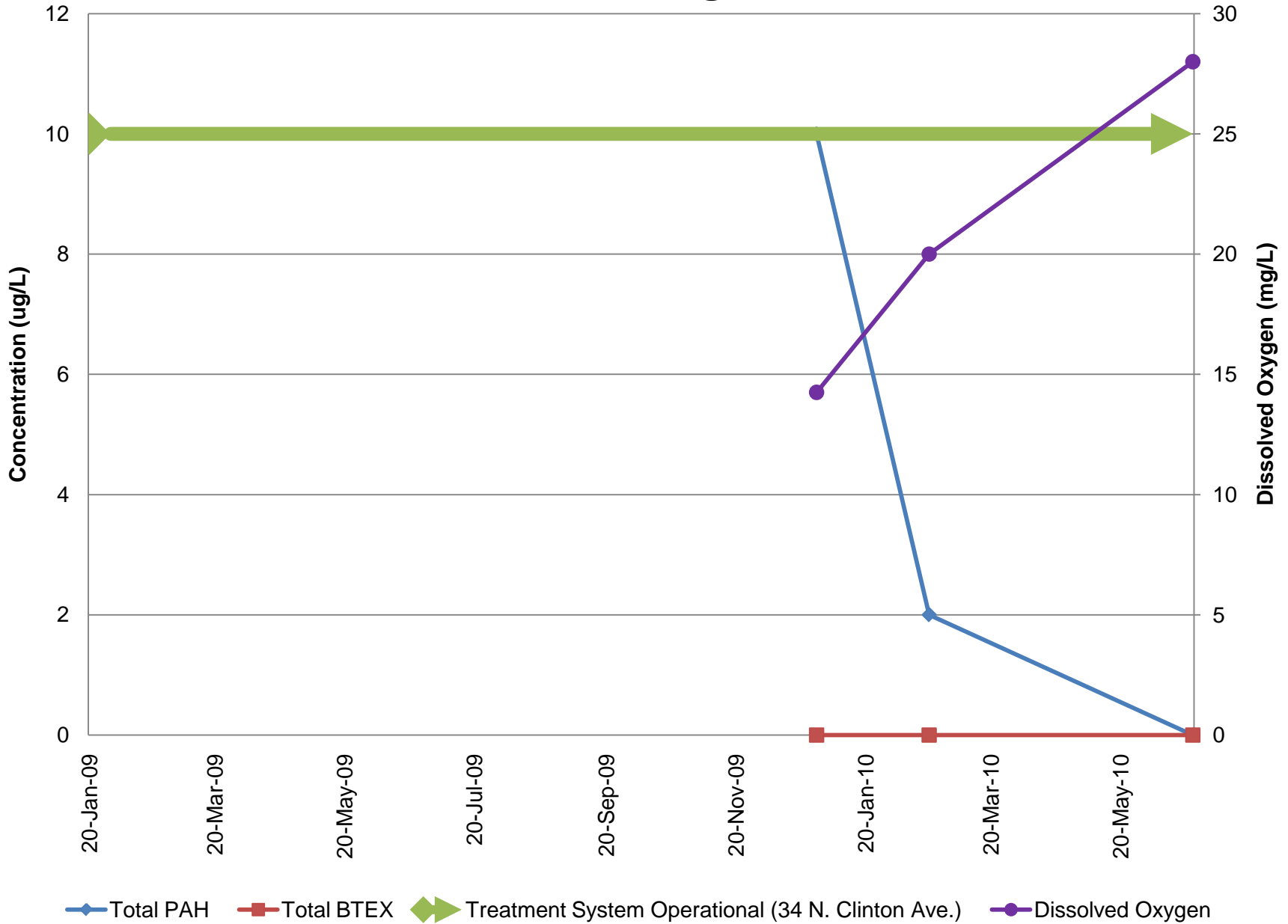
Monitoring Well OU2MW-26D 60-70 ft bgs



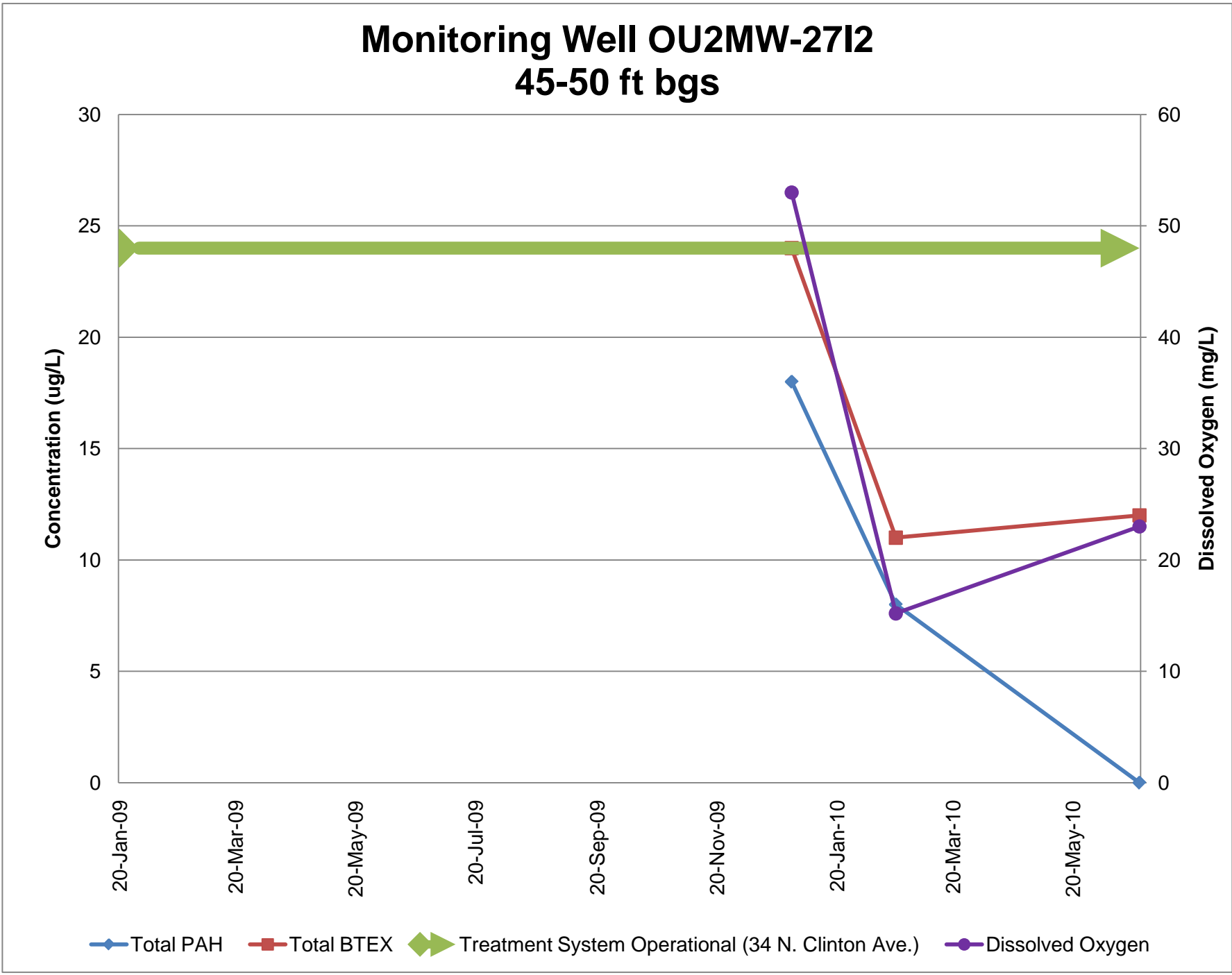
Monitoring Well OU2MW-27S 5-15 ft bgs



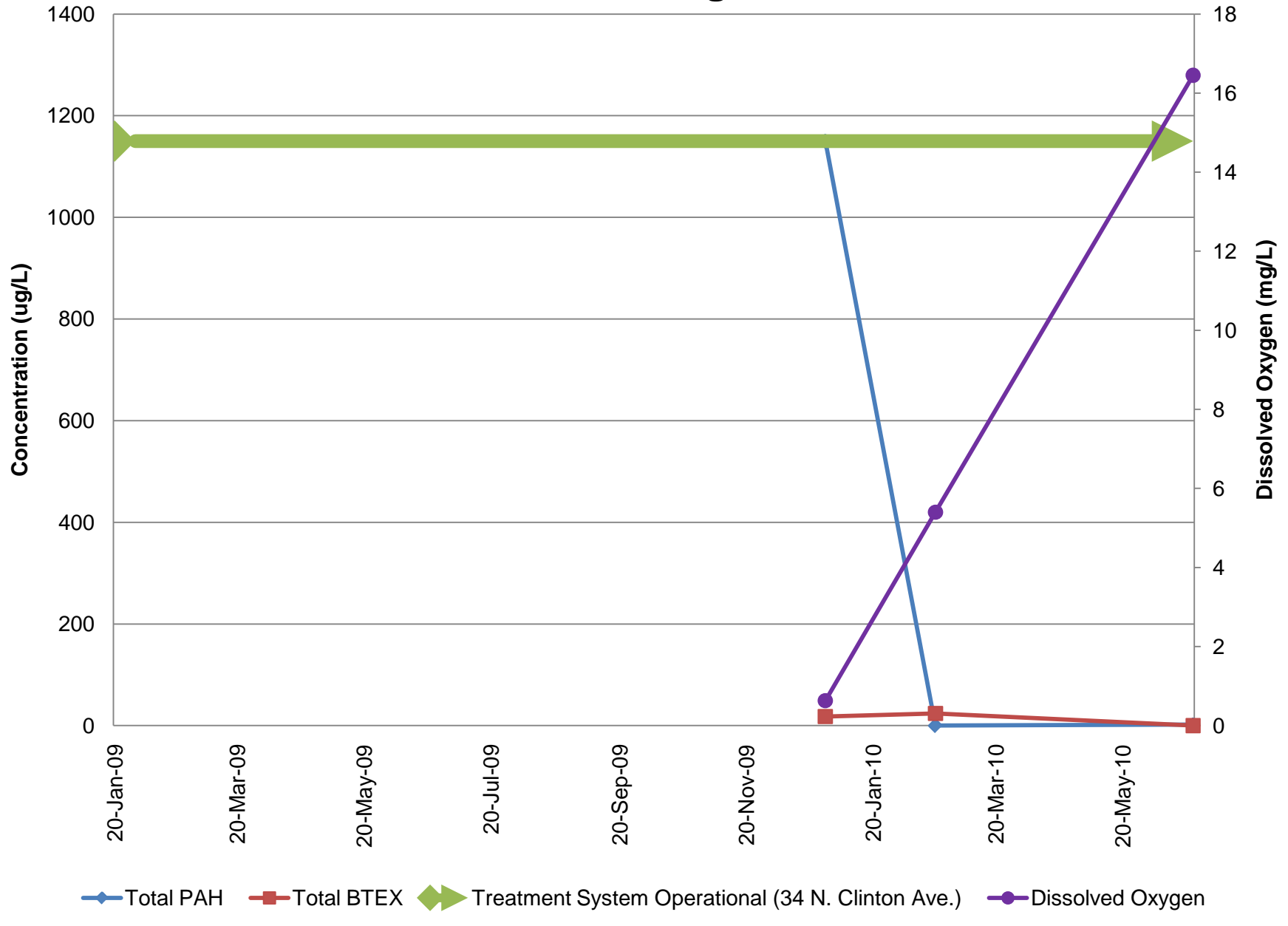
Monitoring Well OU2MW-27I 25-30 ft bgs

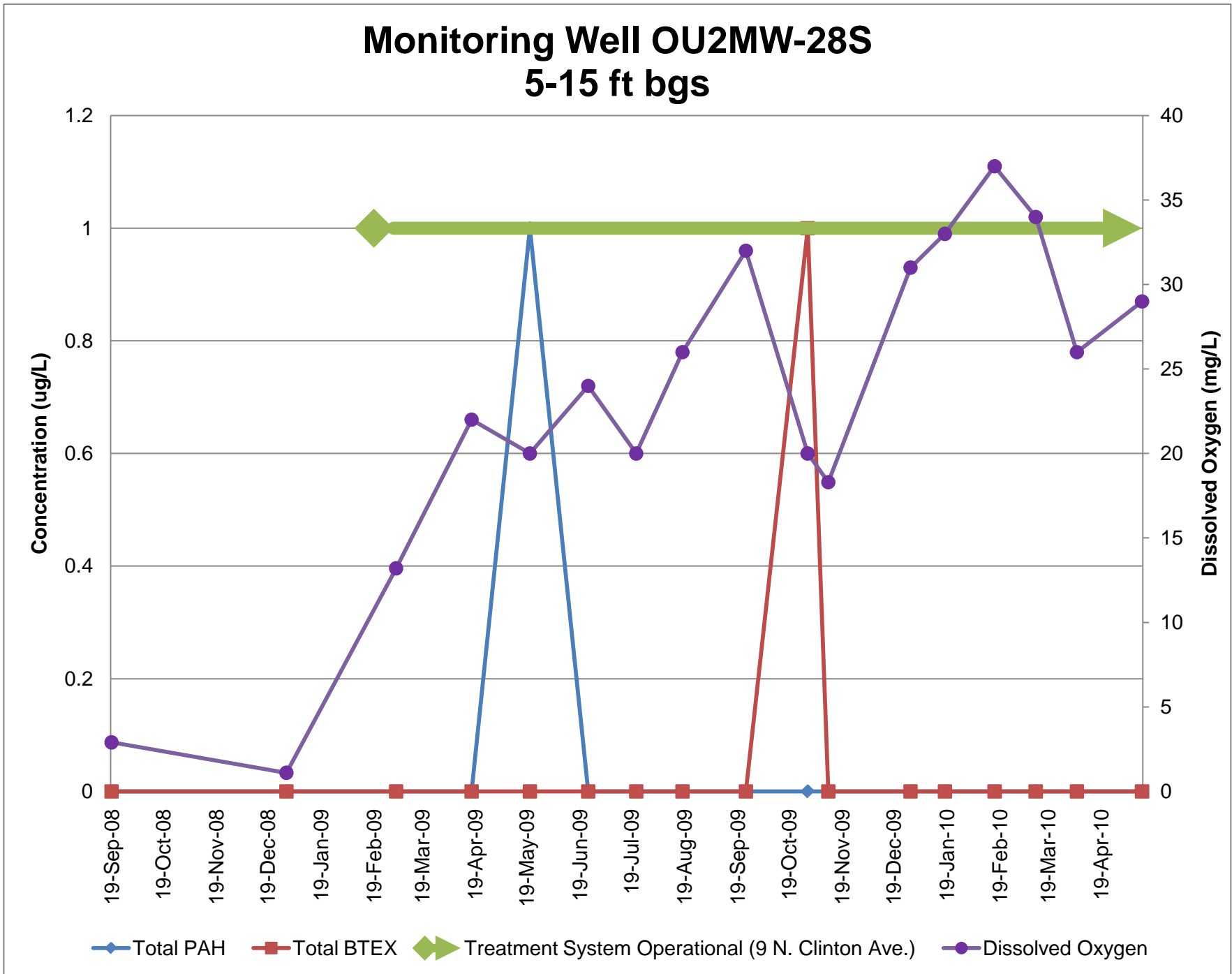


Monitoring Well OU2MW-27I2 45-50 ft bgs

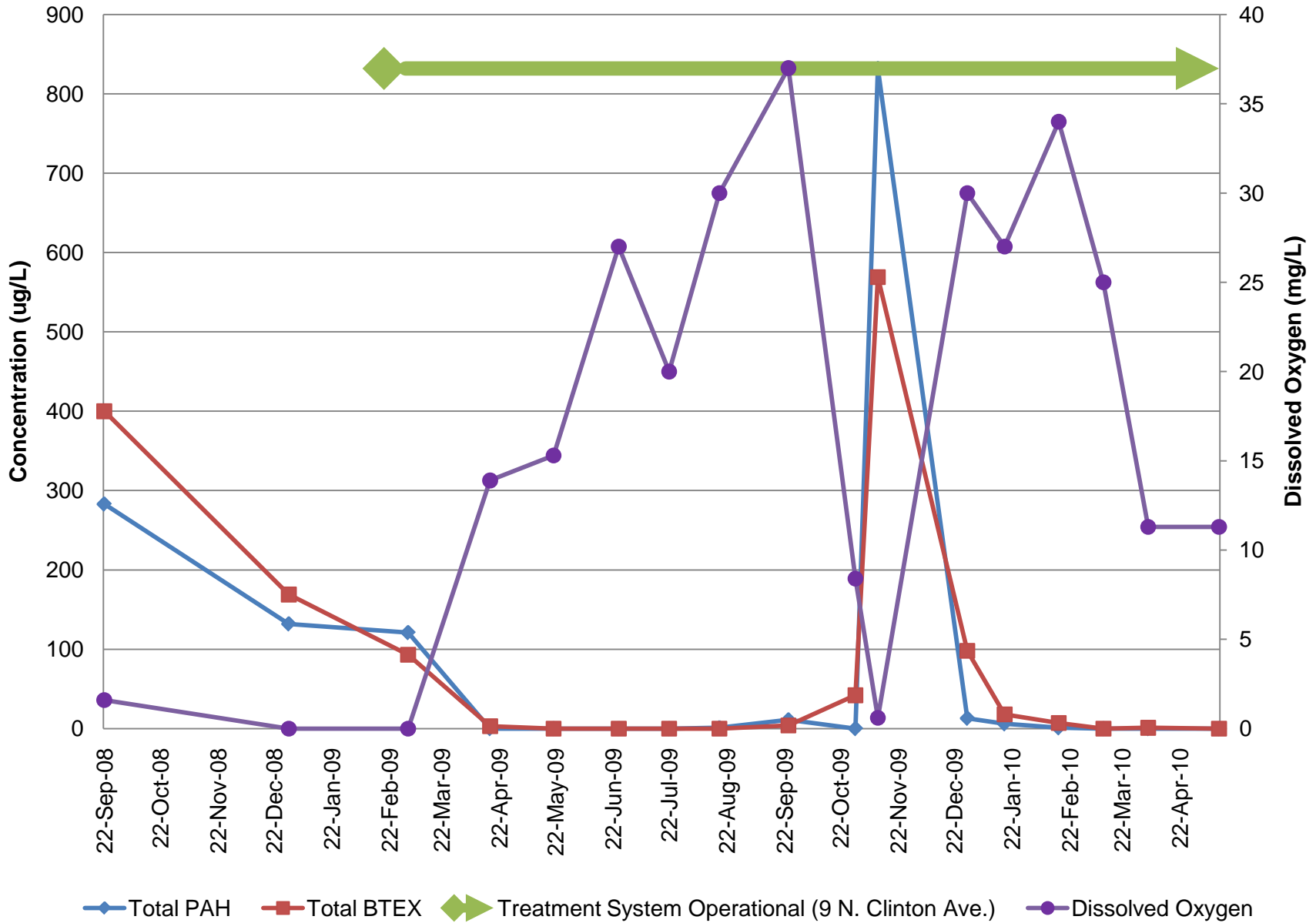


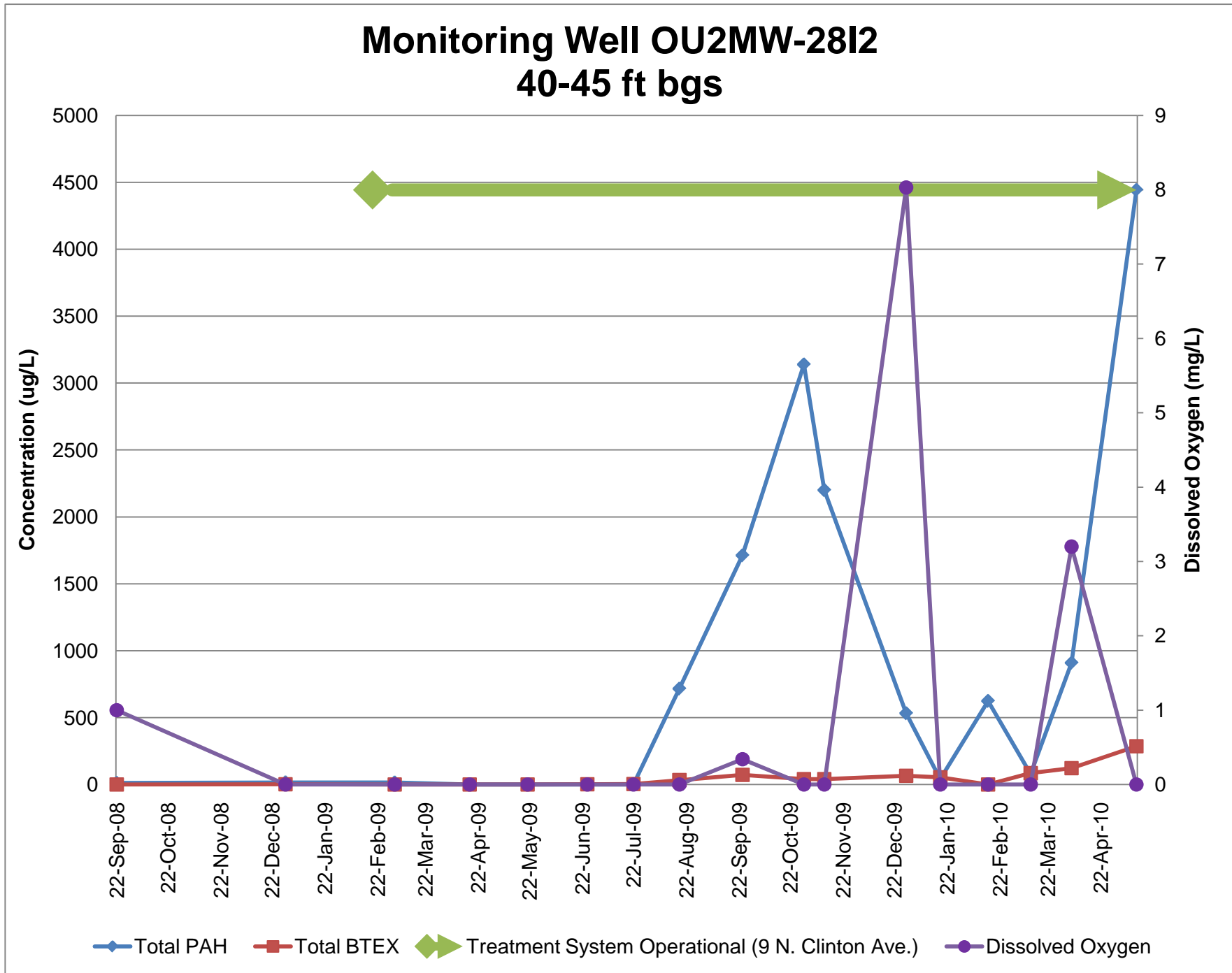
Monitoring Well OU2MW-27D 65-70 ft bgs



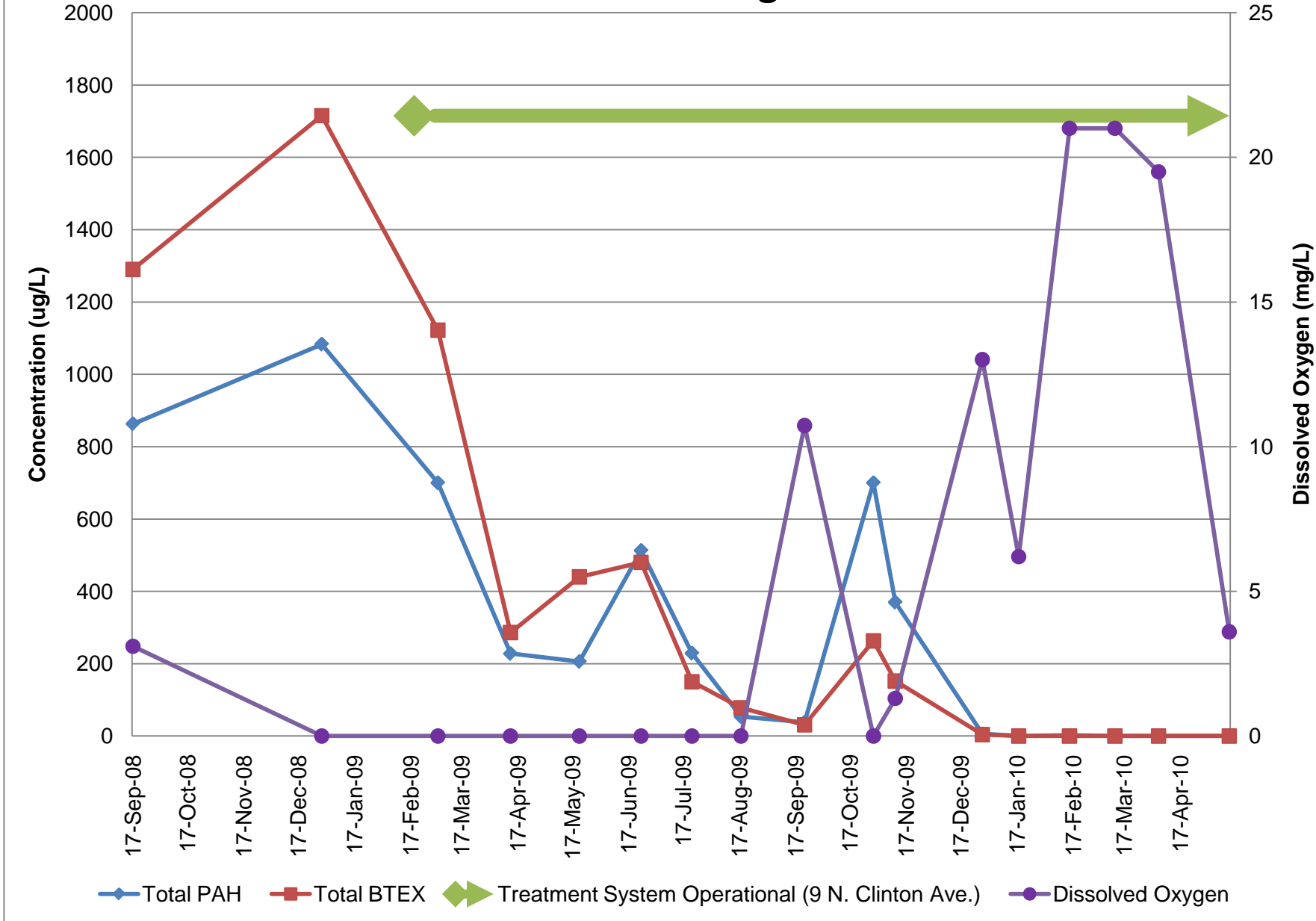


Monitoring Well OU2MW-28I 28-33 ft bgs

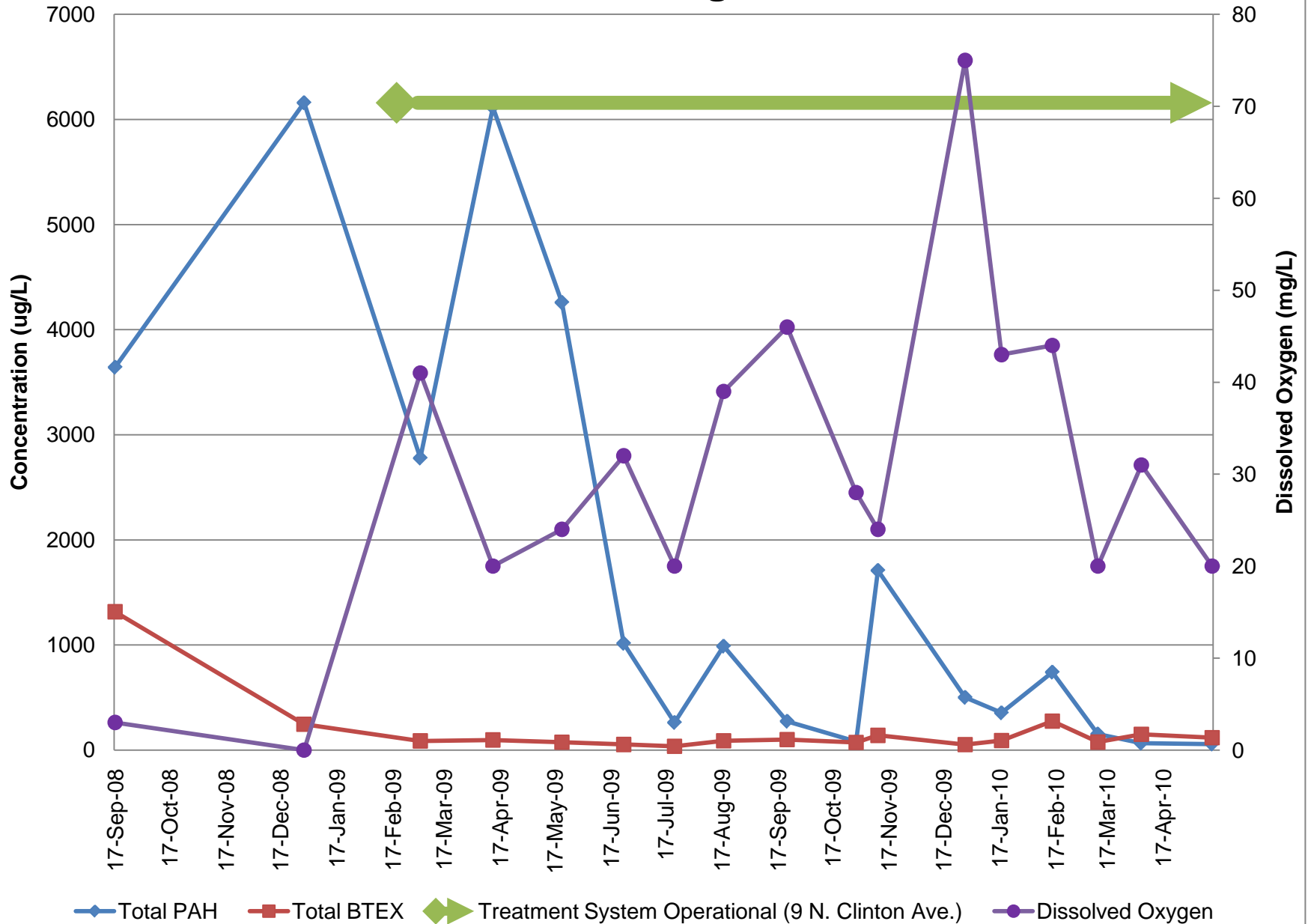




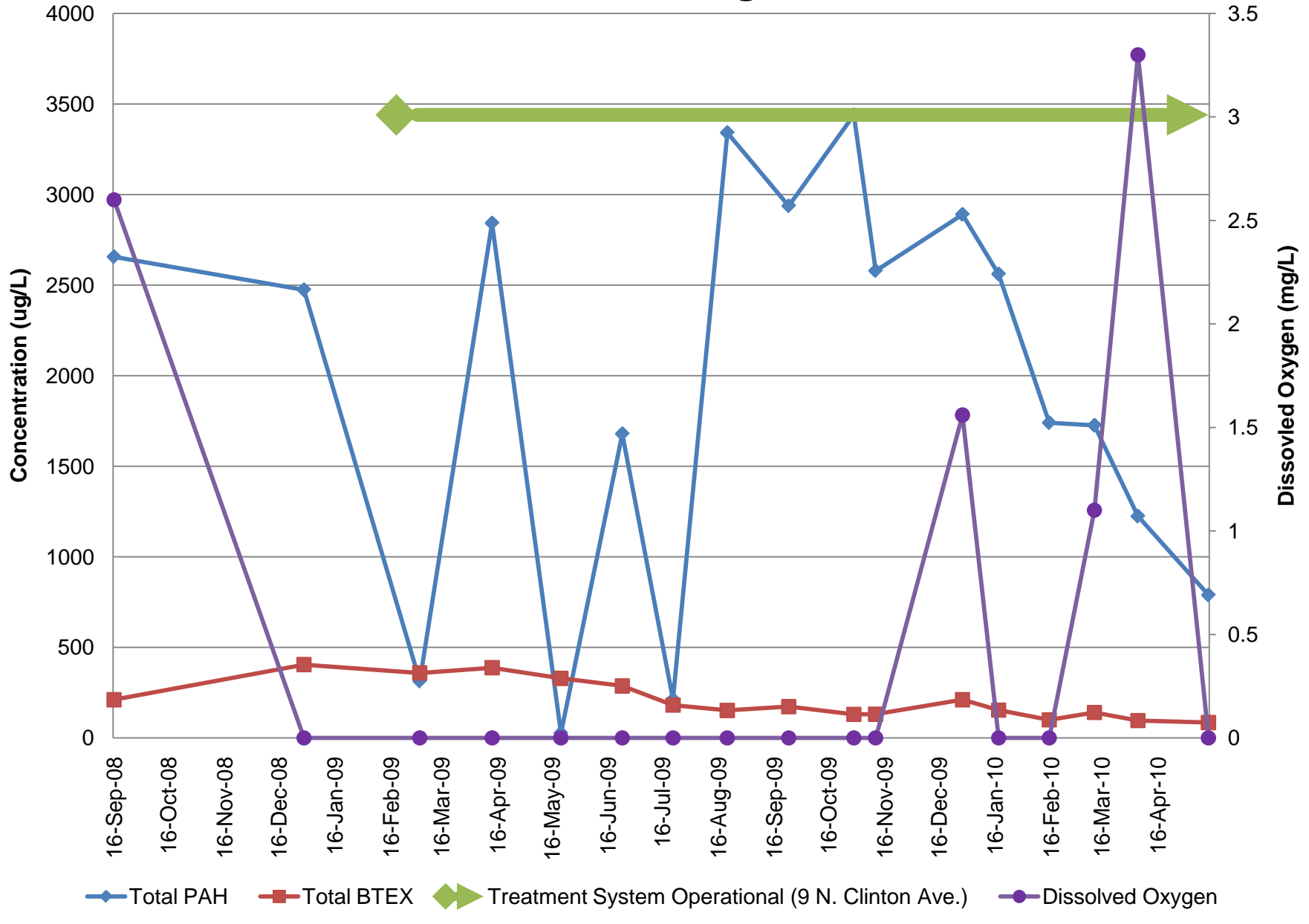
Monitoring Well OU2MW-29I 18-23 ft bgs

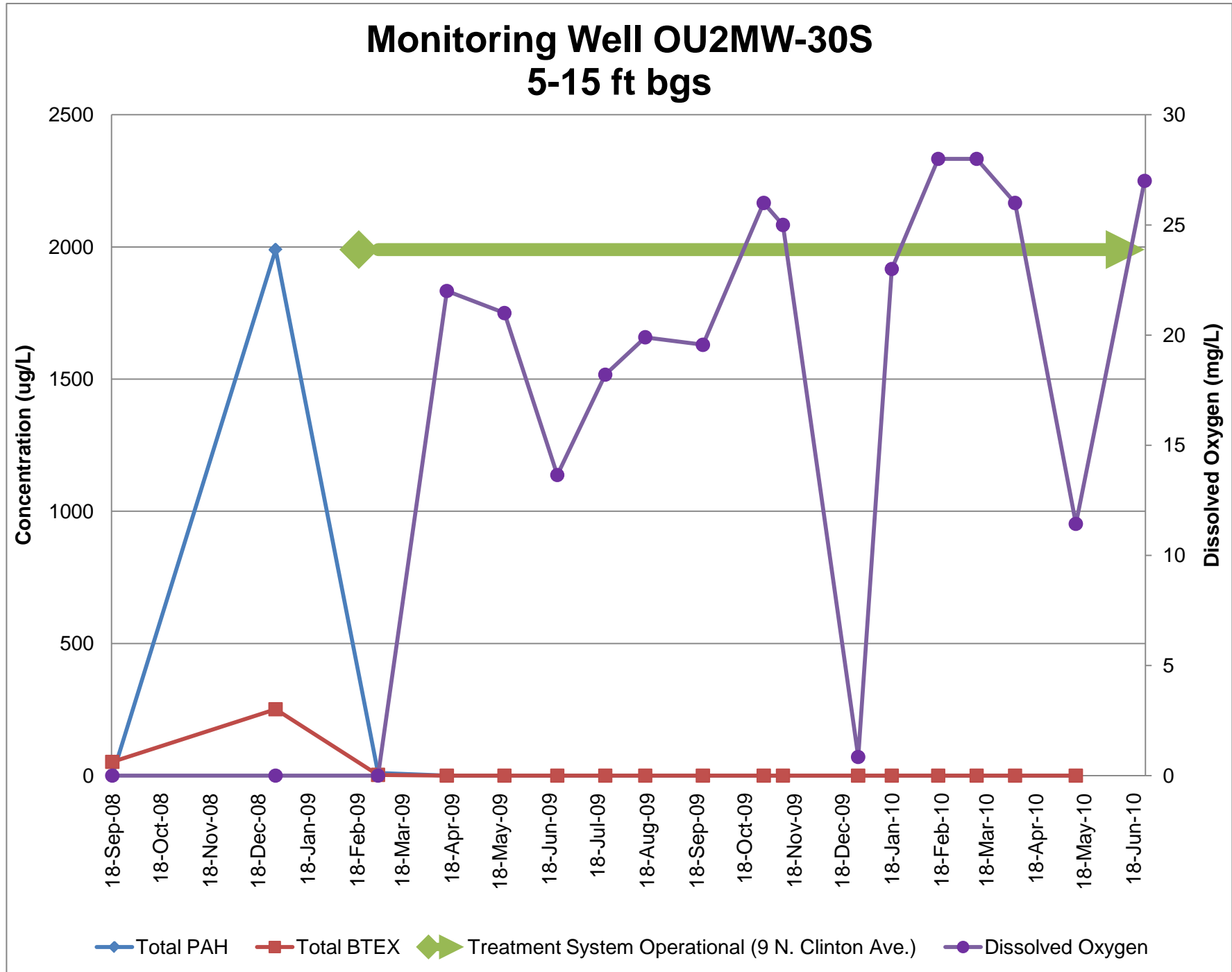


Monitoring Well OU2MW-29I2 30-35 ft bgs

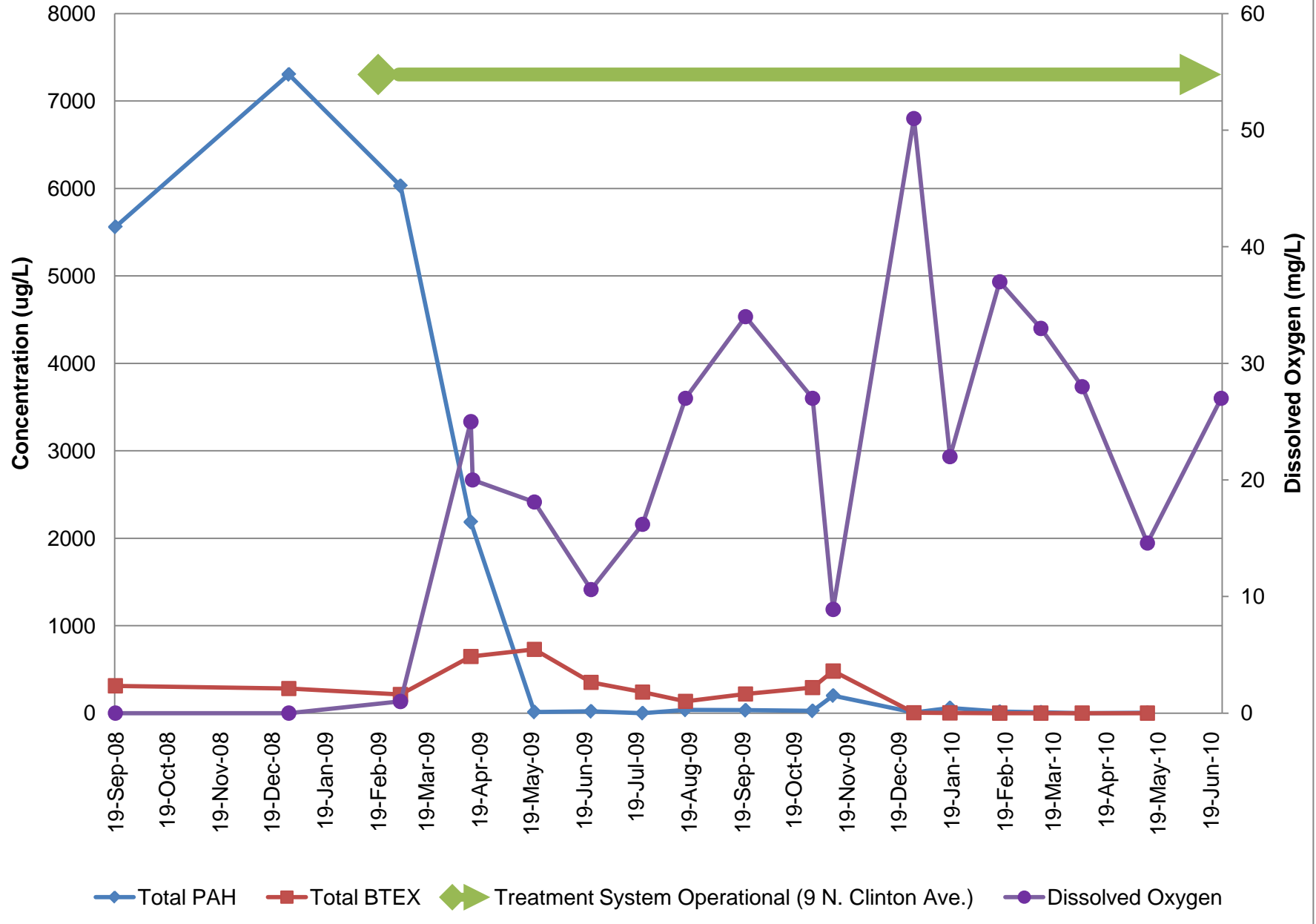


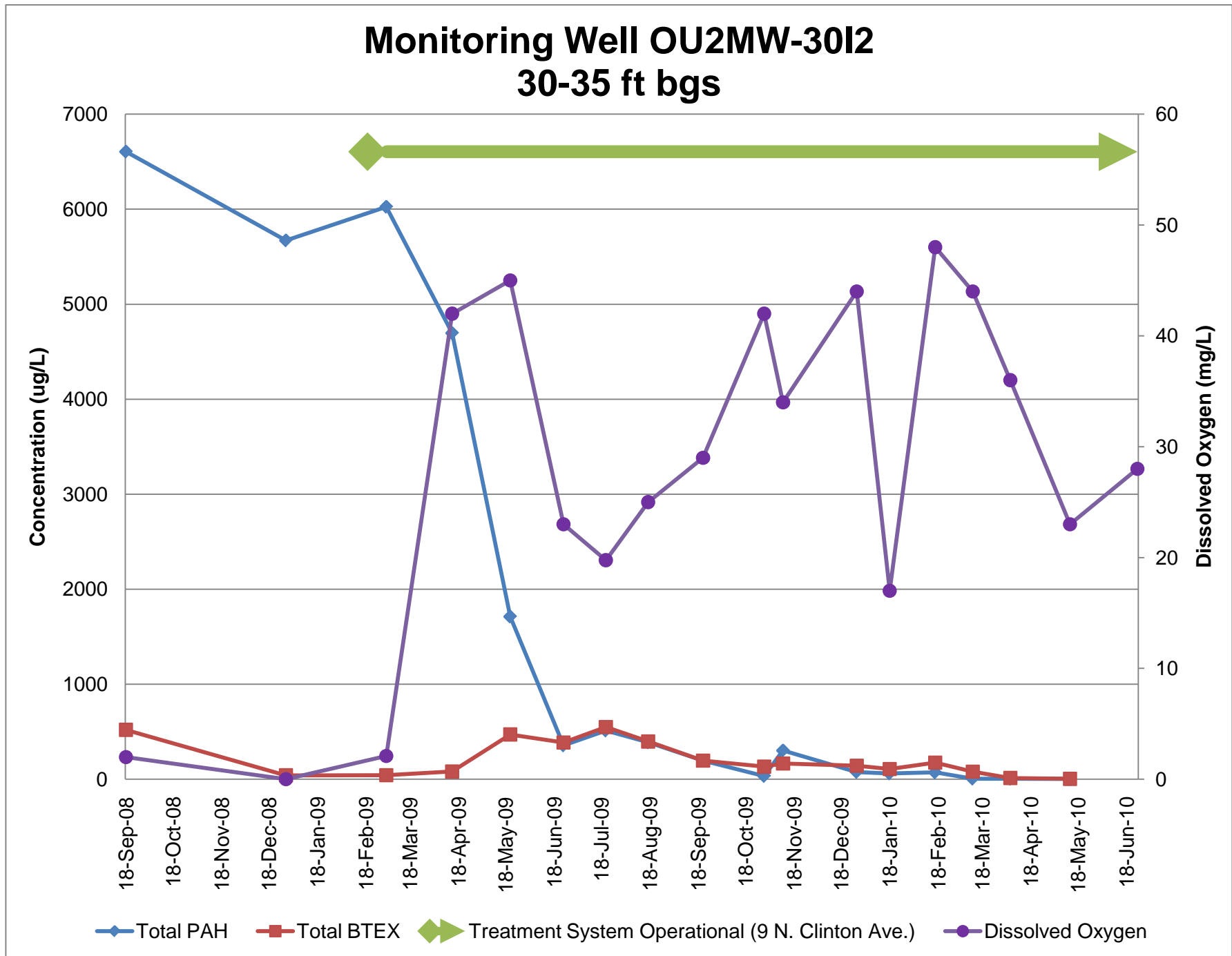
Monitoring Well OU2MW-29D 45-50 ft bgs



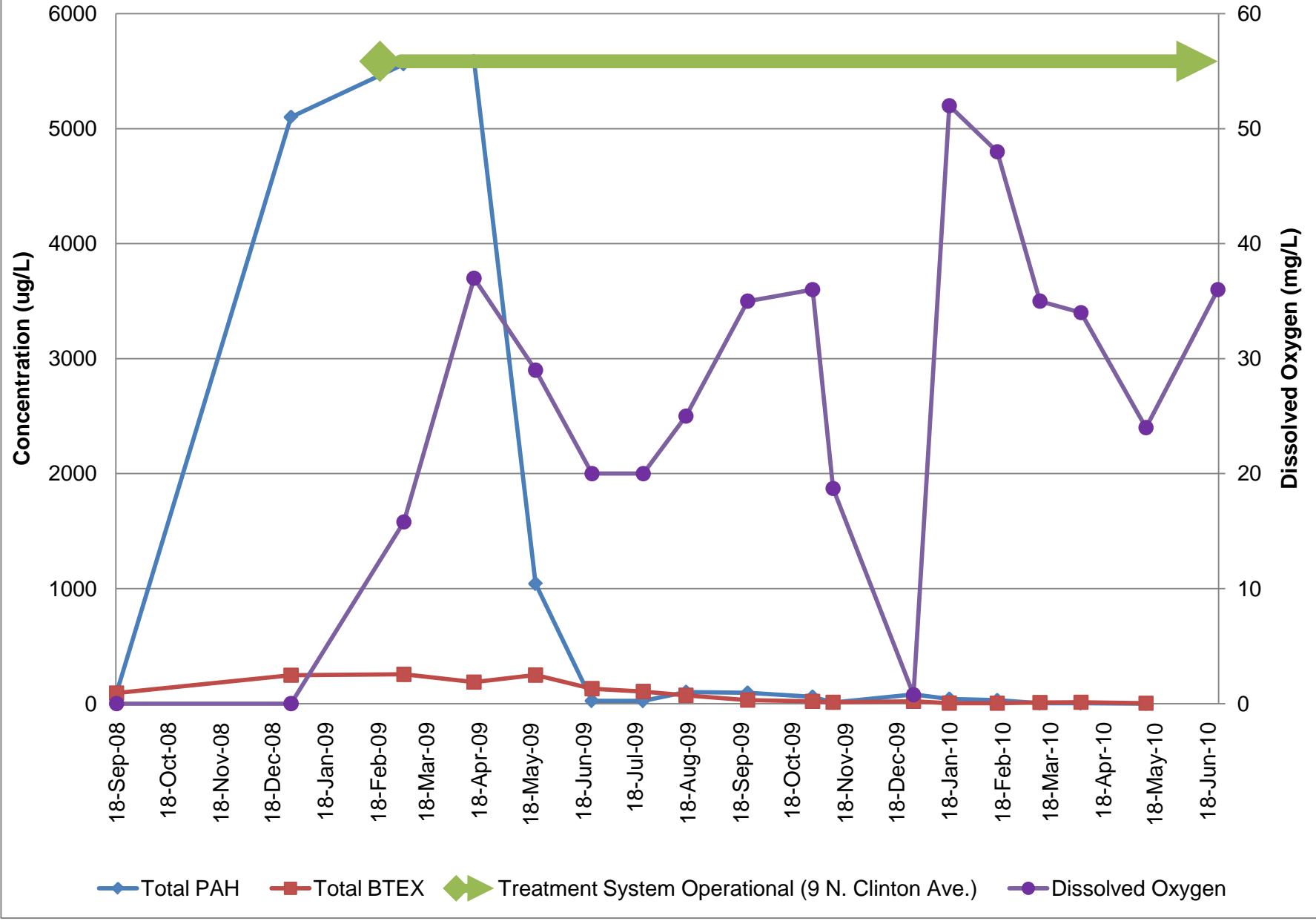


Monitoring Well OU2MW-30I 25-30 ft bgs

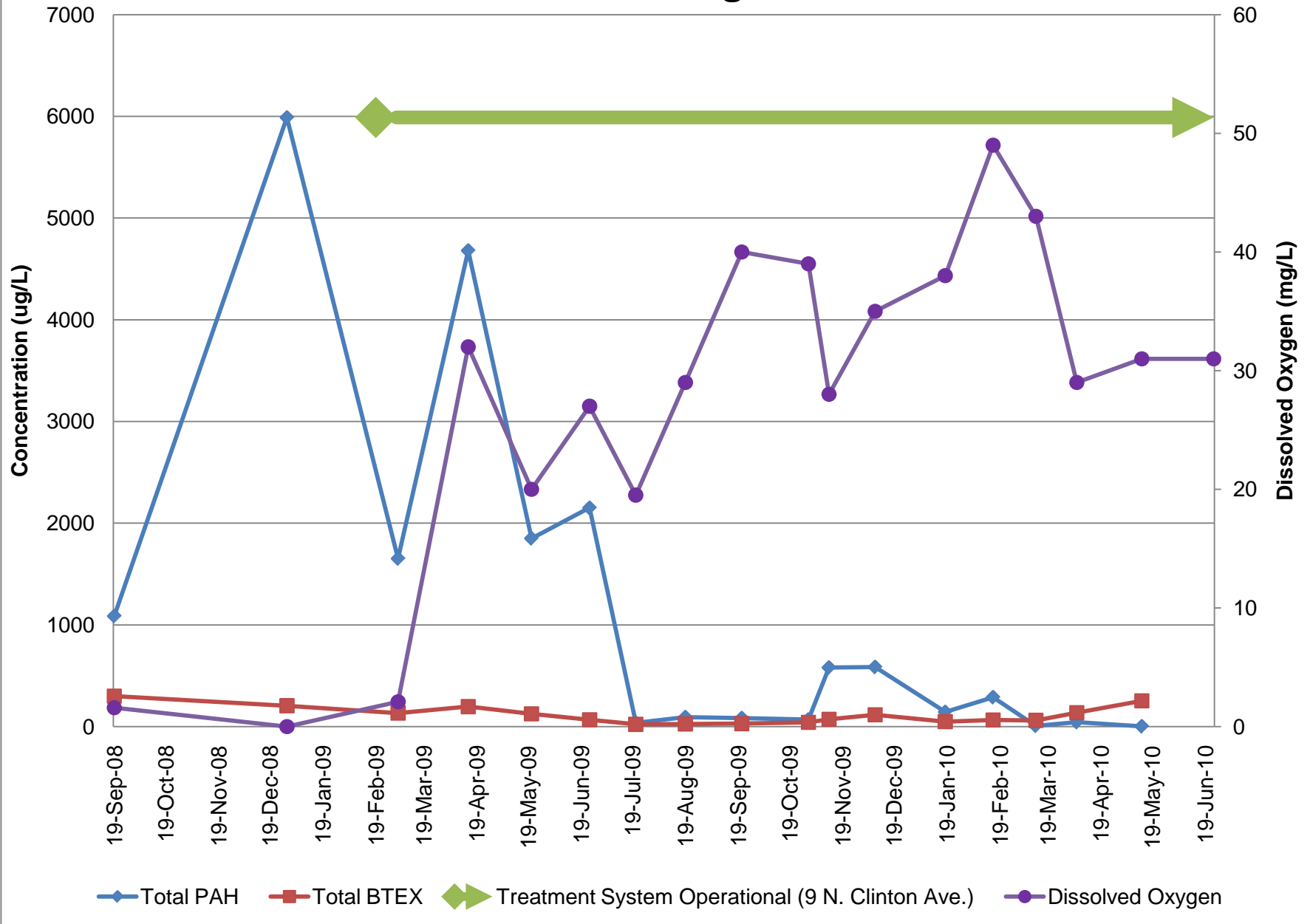




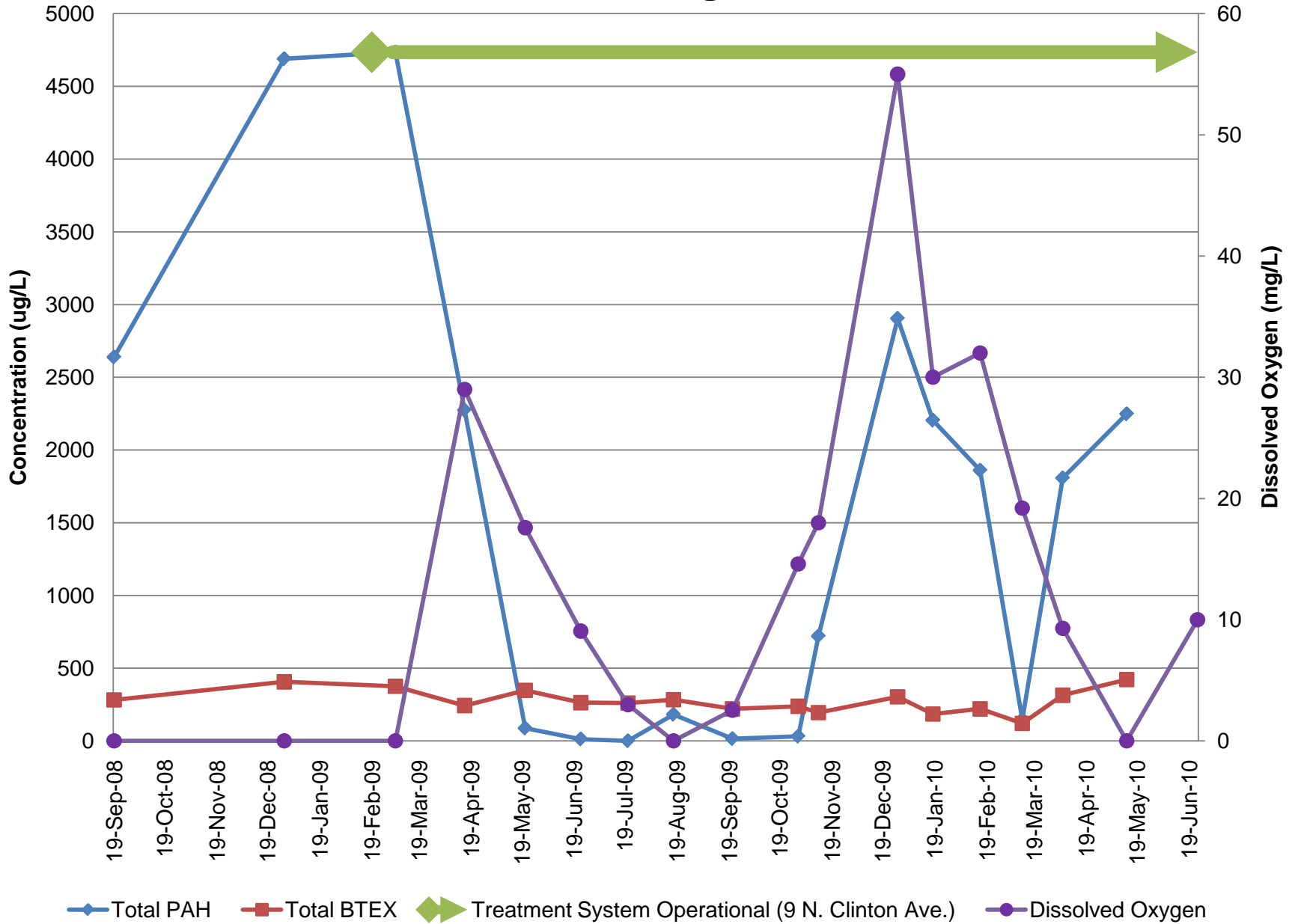
Monitoring Well OU2MW-30I3 45-50 ft bgs

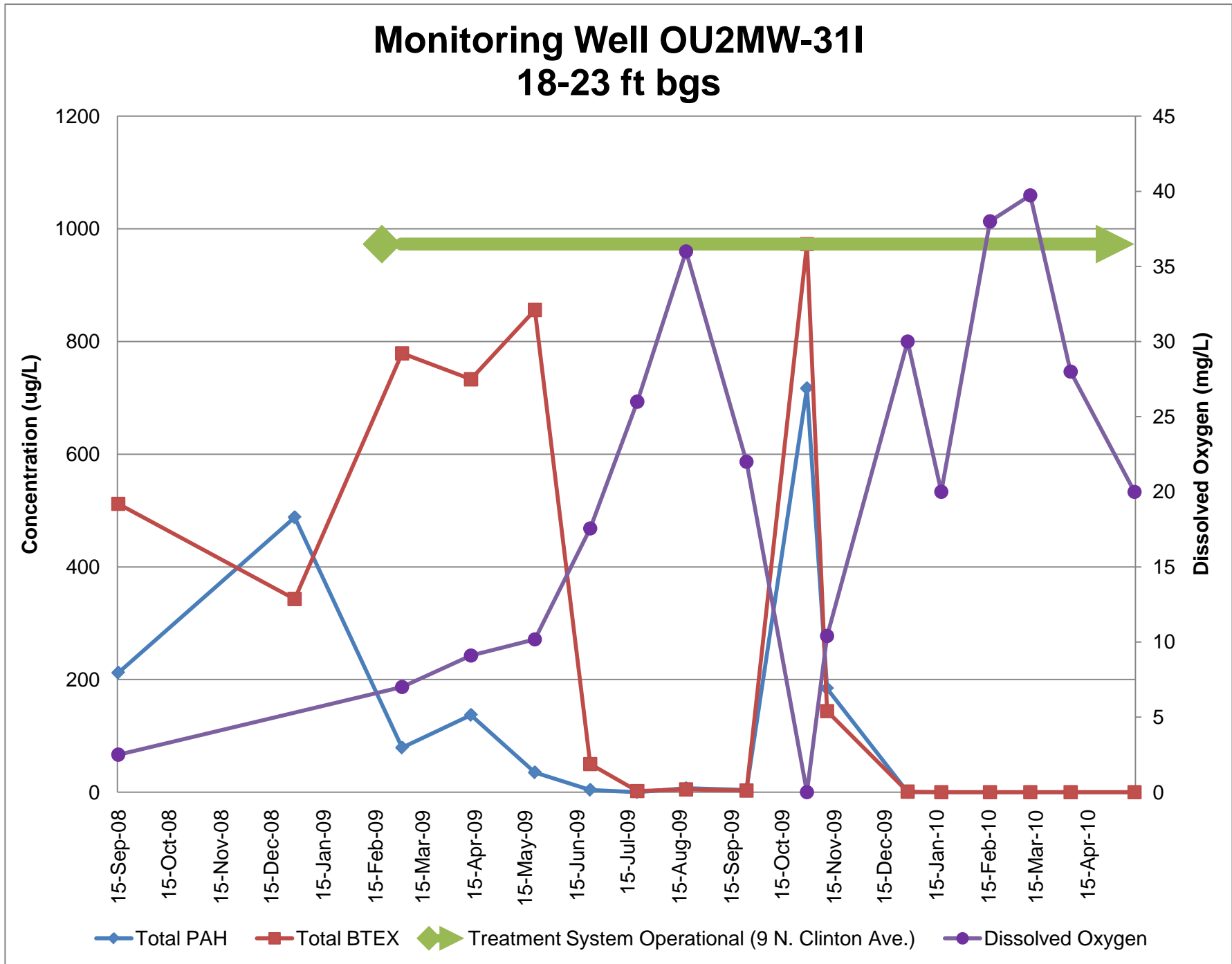


Monitoring Well OU2MW-30D 50-55 ft bgs

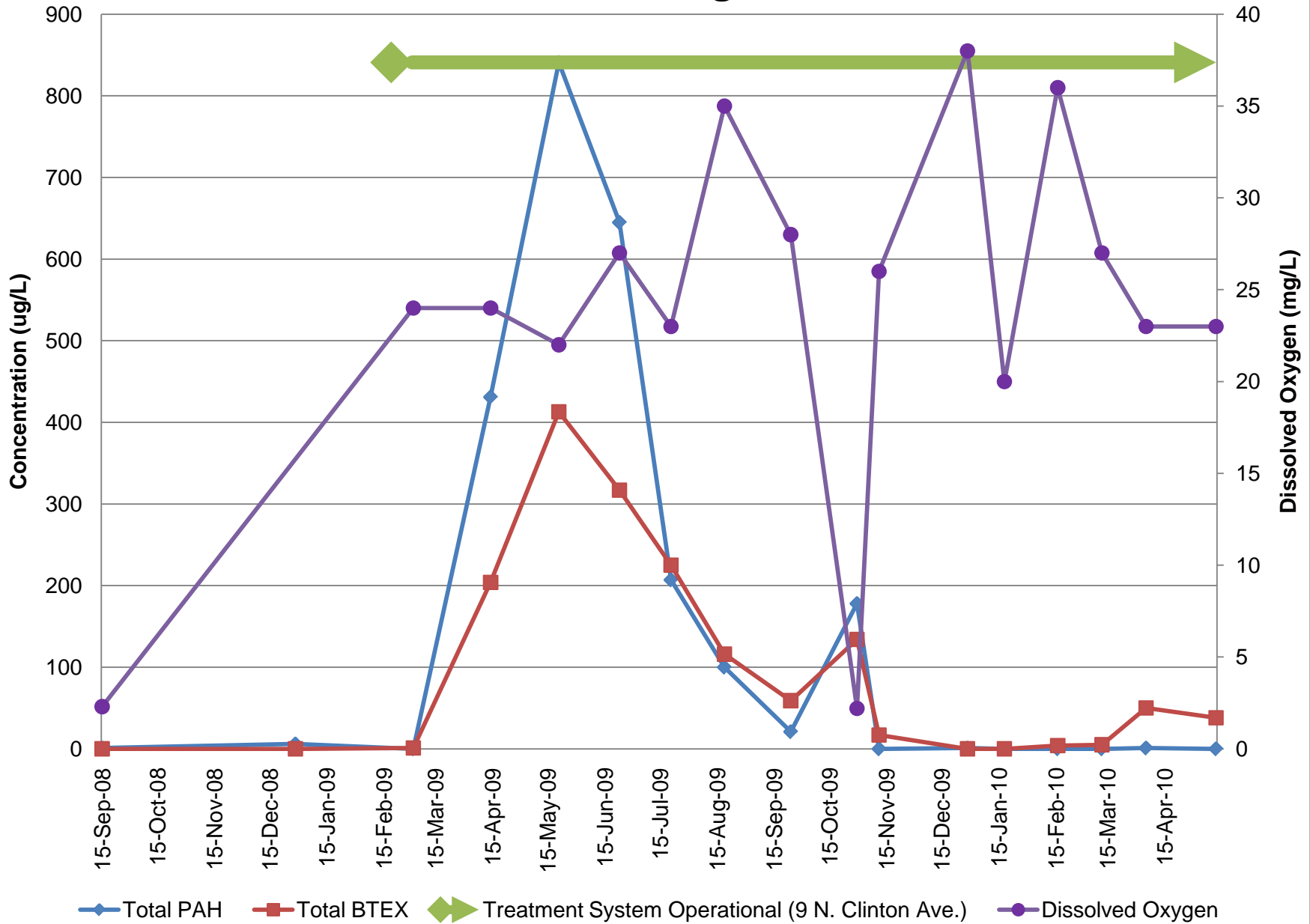


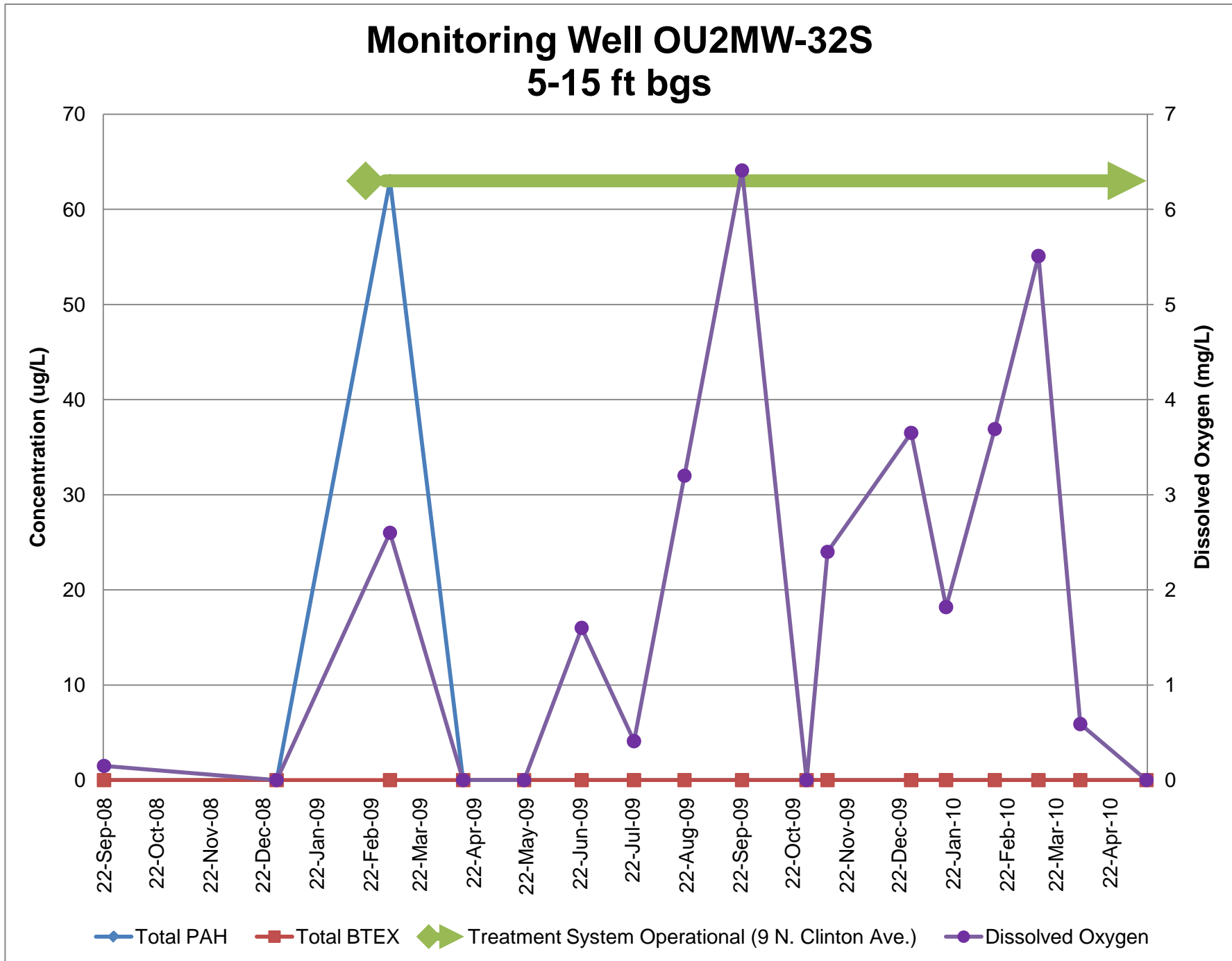
Monitoring Well OU2MW-30D2 60-65 ft bgs



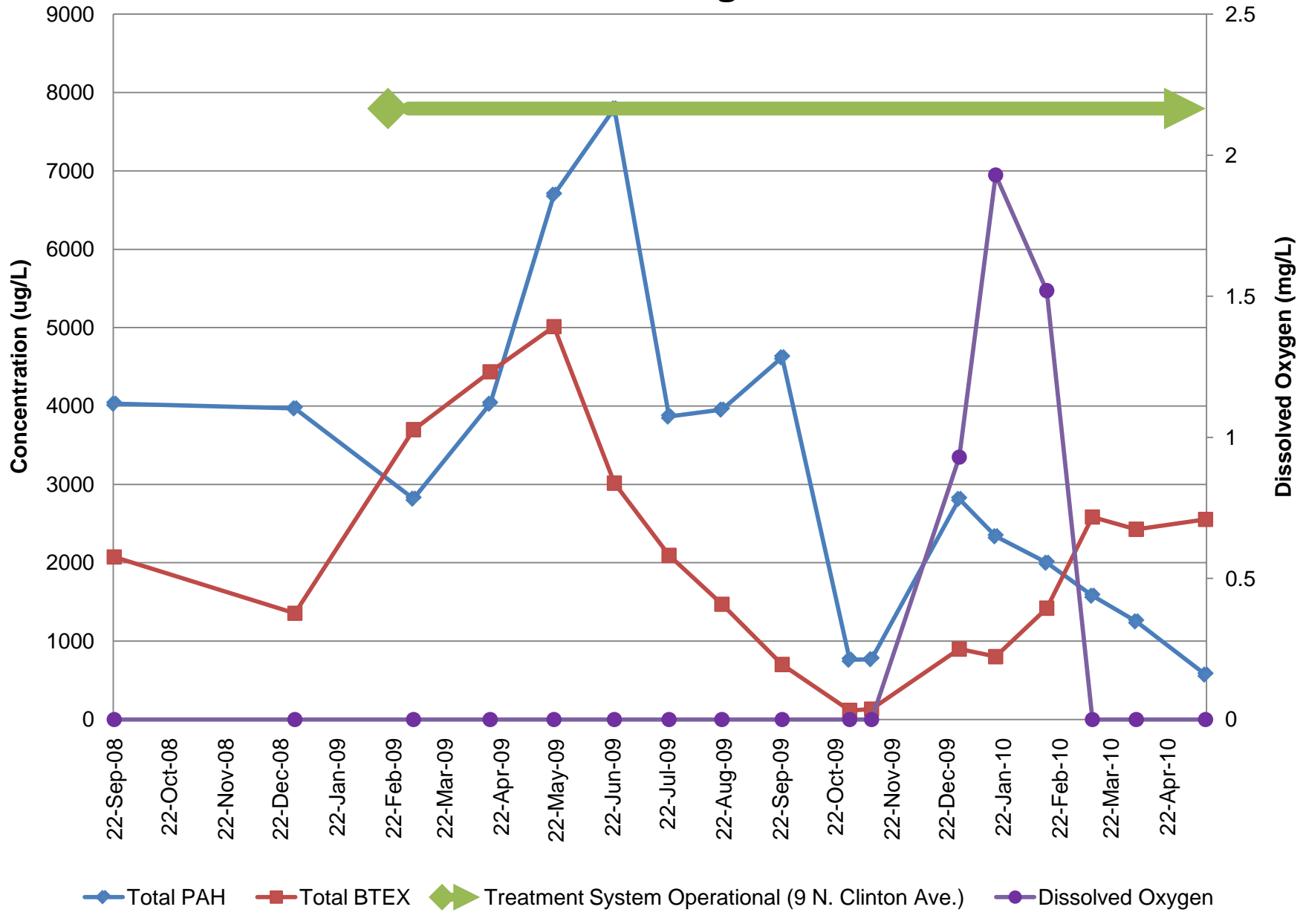


Monitoring Well OU2MW-31I2 30-35 ft bgs

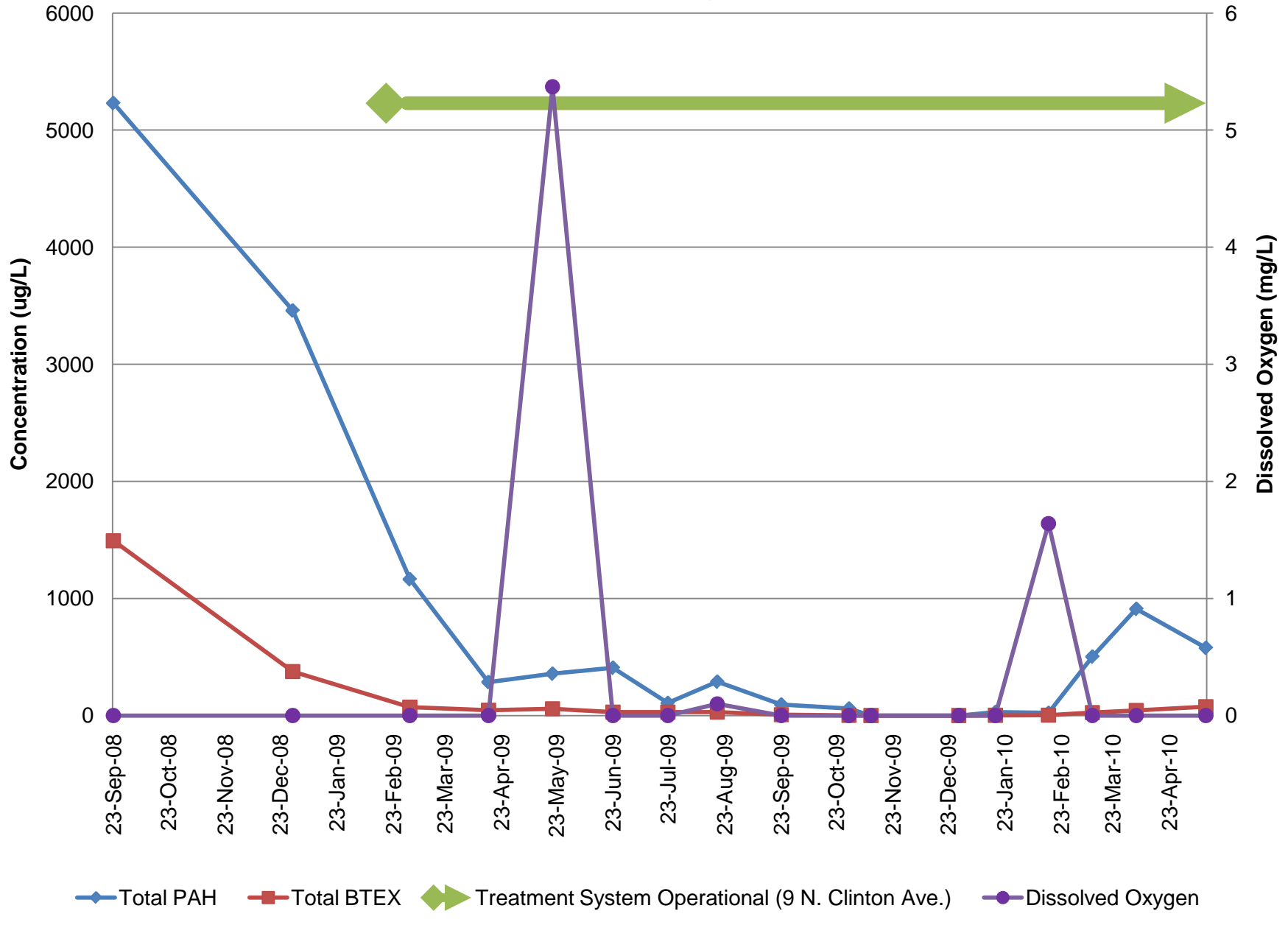




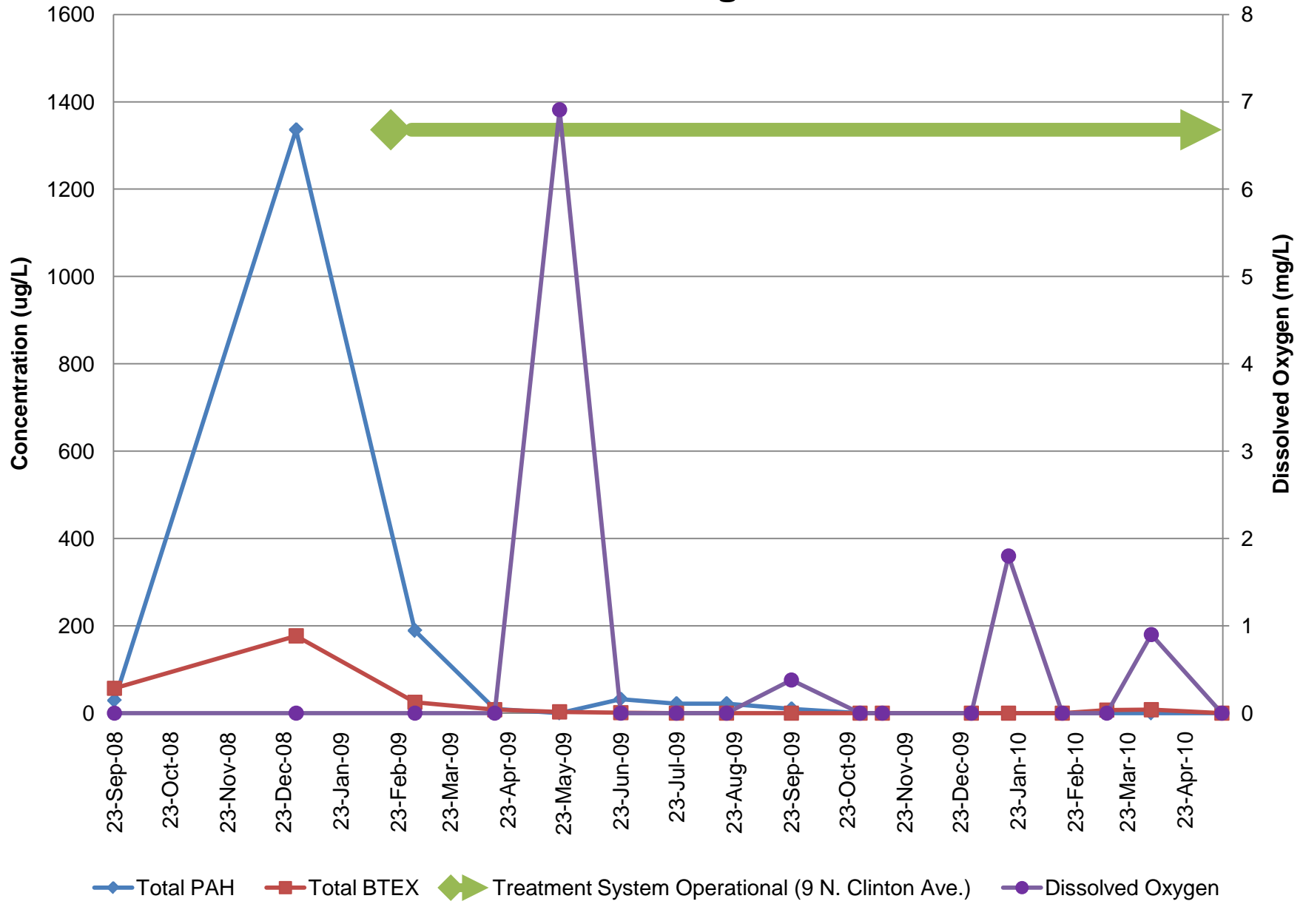
Monitoring Well OU2MW-32I 20-25 ft bgs



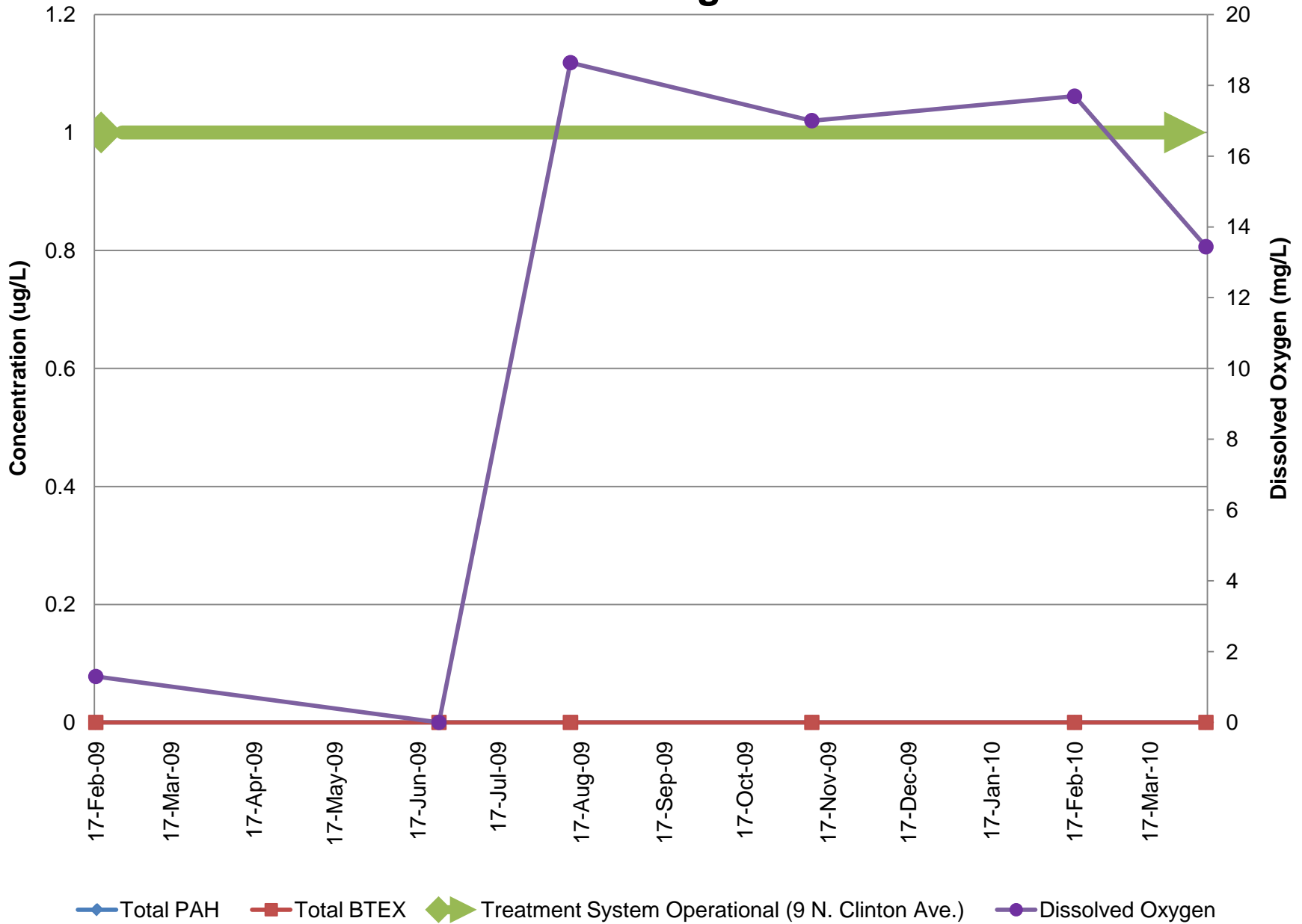
Monitoring Well OU2MW-32I2 30-35 ft bgs



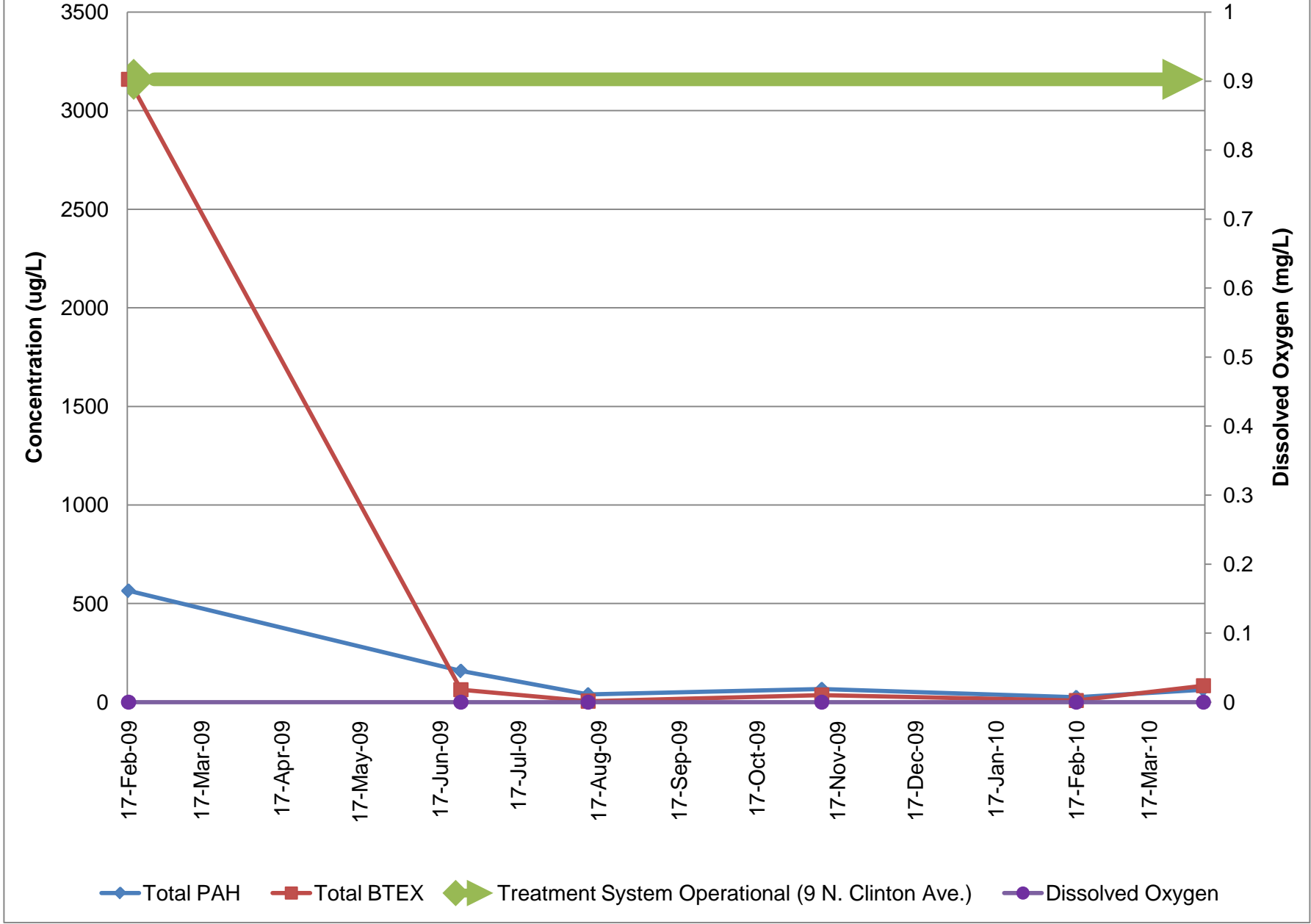
Monitoring Well OU2MW-32D 40-45 ft bgs



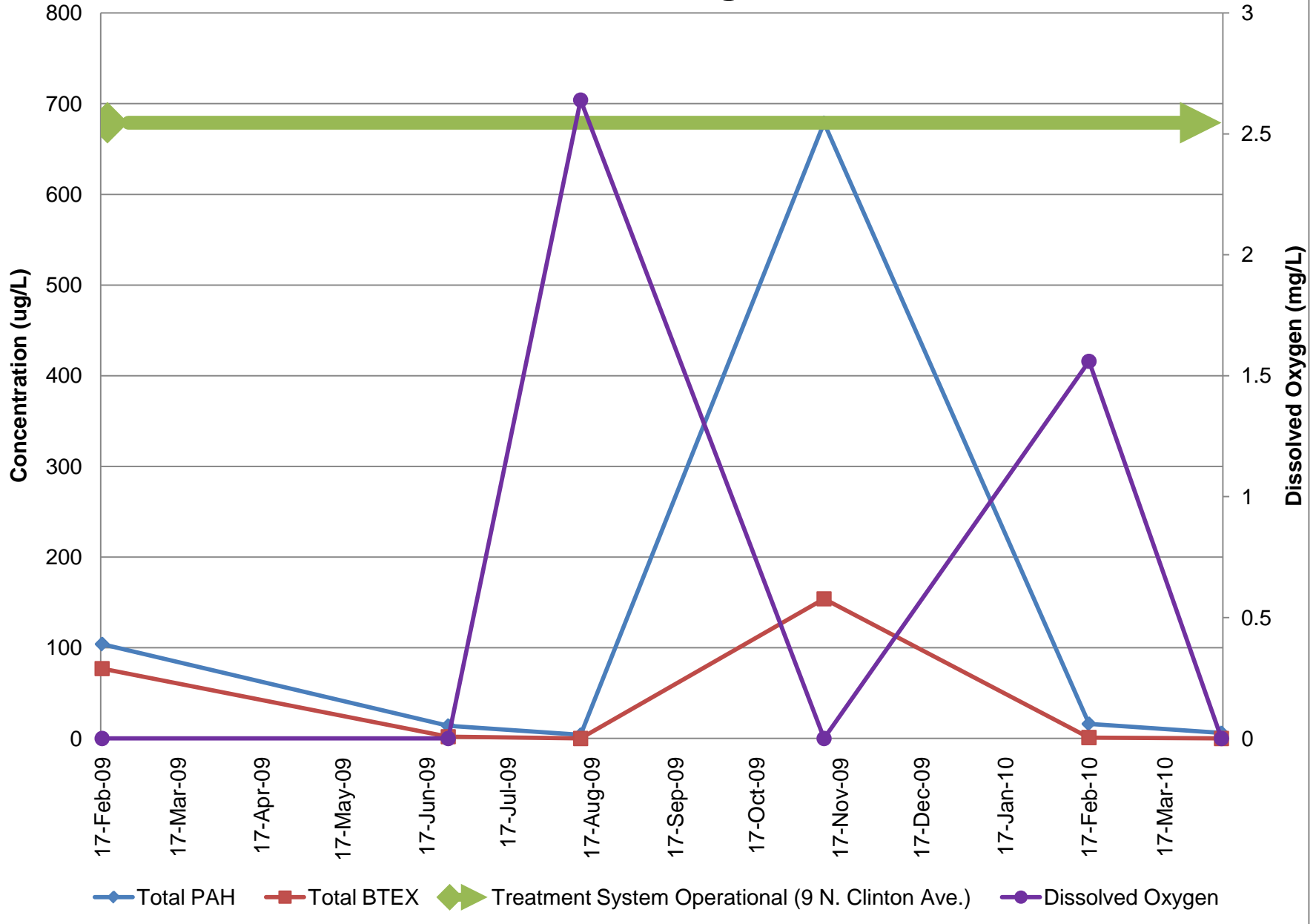
Monitoring Well OU2MW-33S 5-15 ft bgs



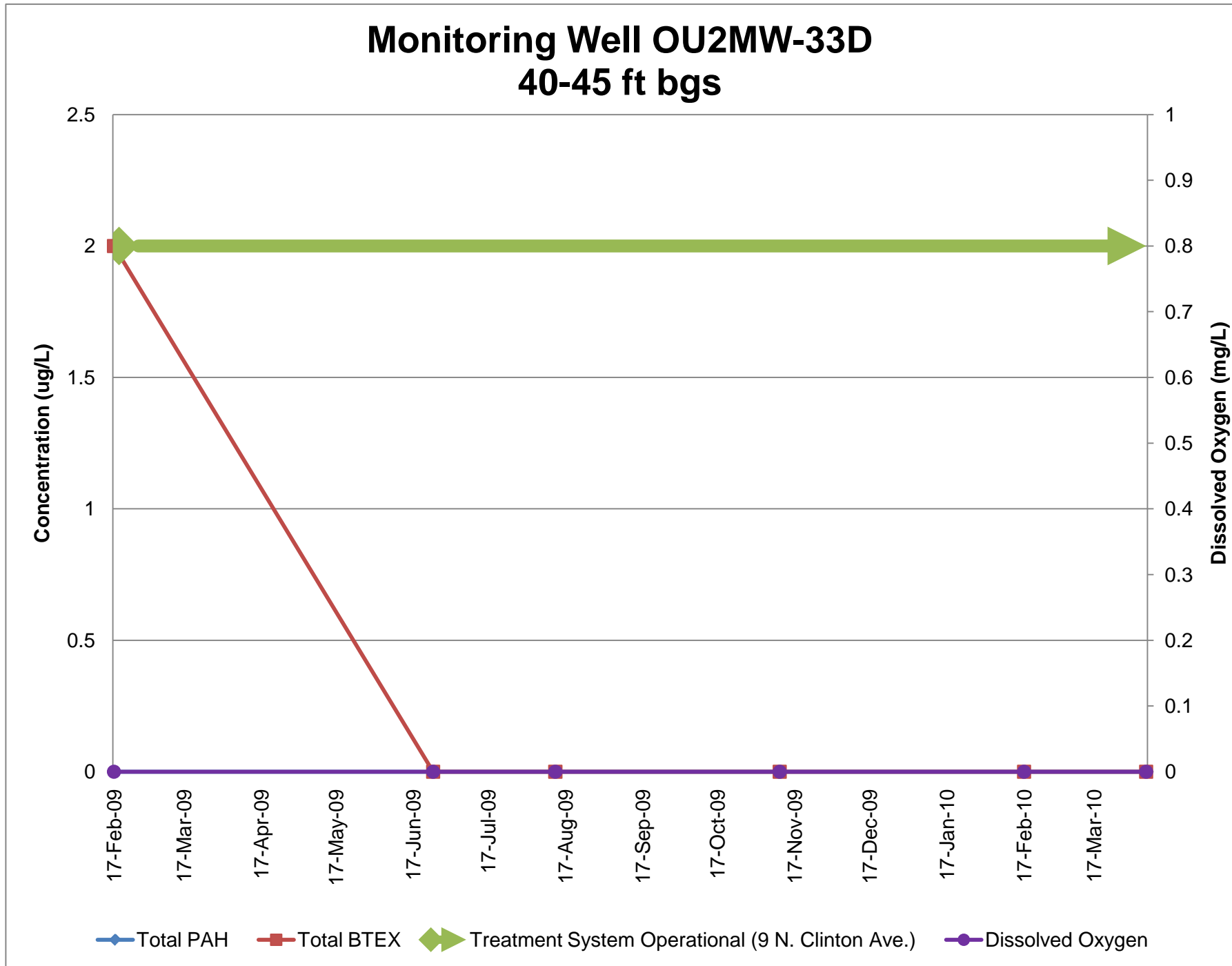
Monitoring Well OU2MW-33I 25-30 ft bgs



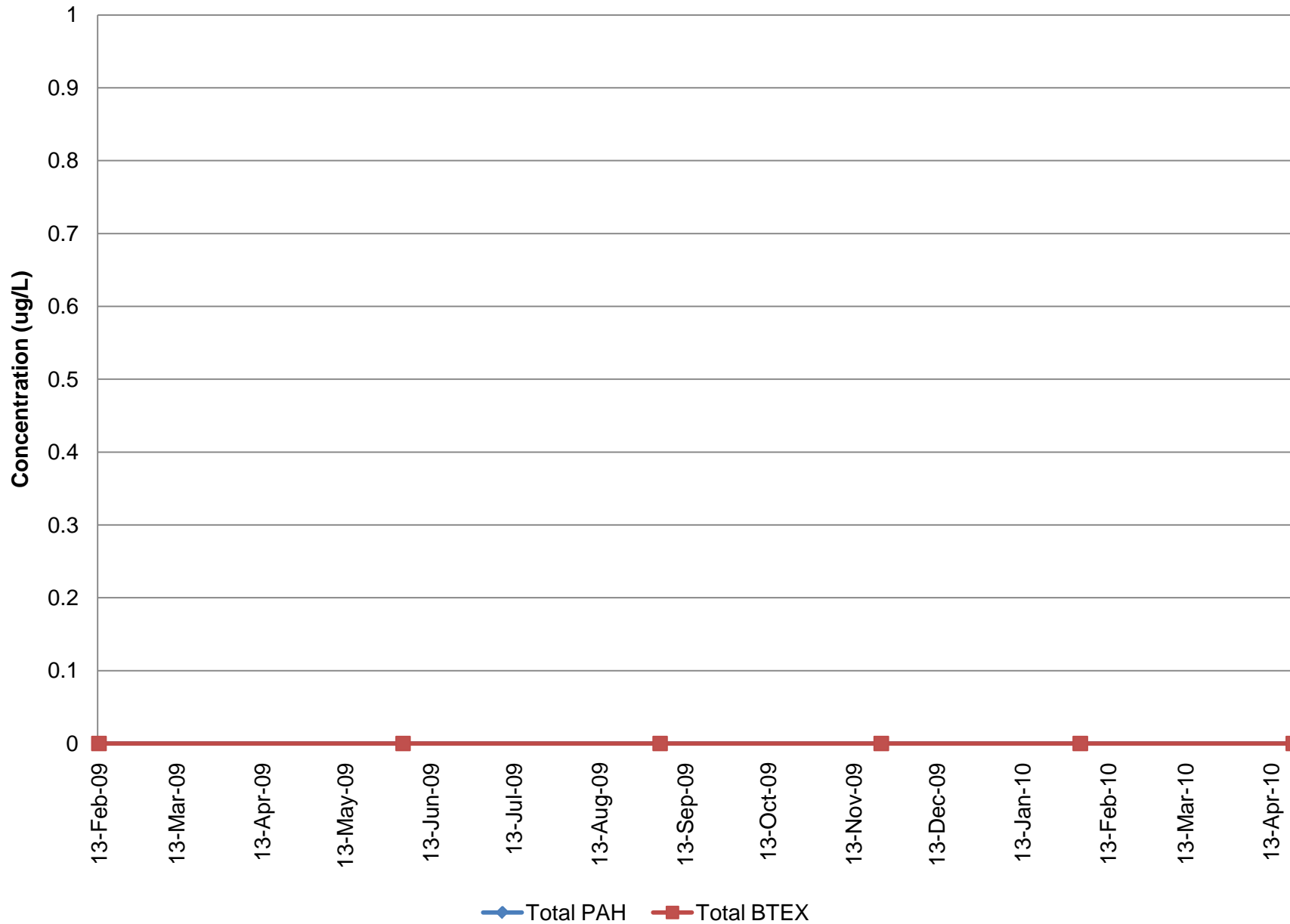
Monitoring Well OU2MW-33I2 35-40 ft bgs

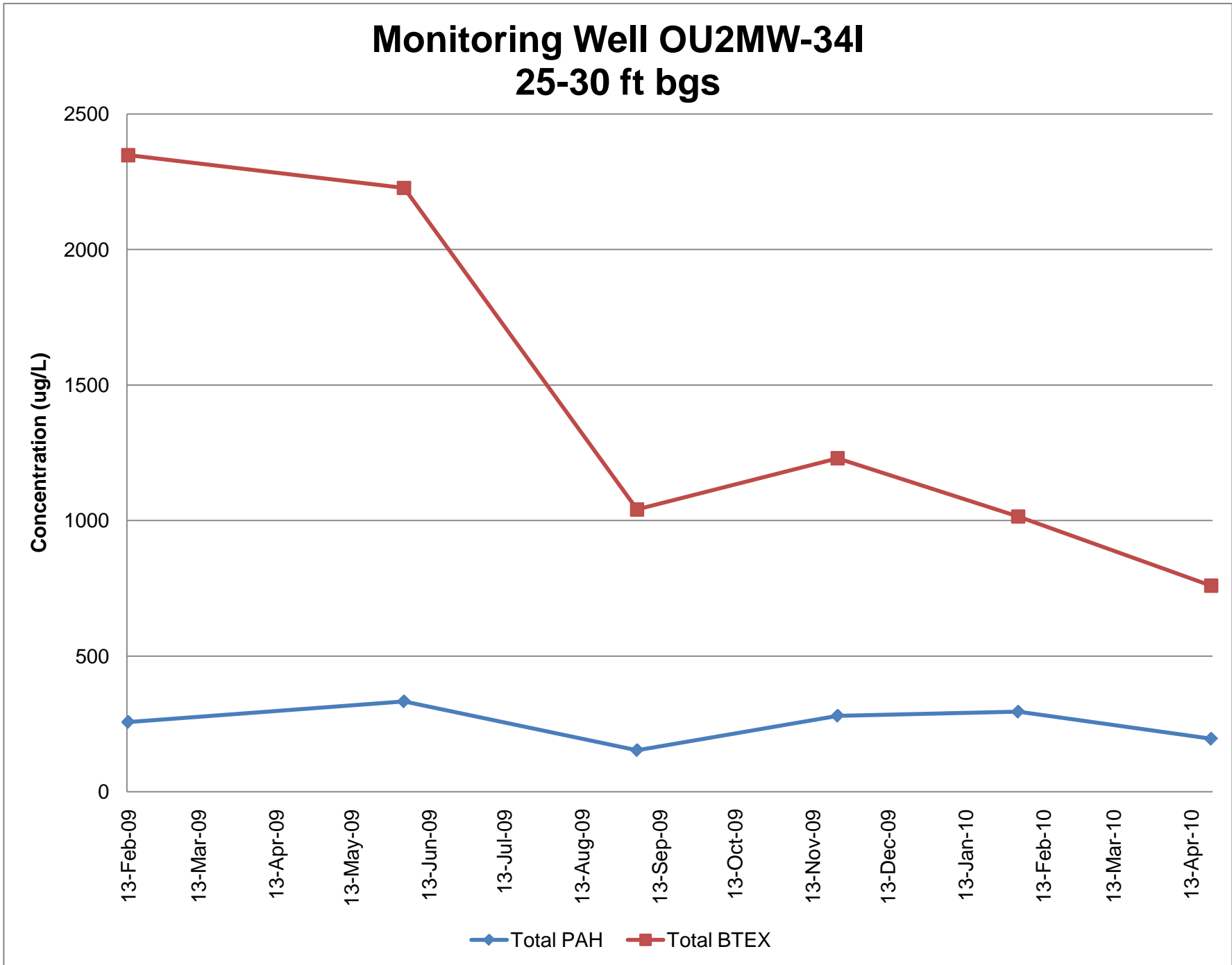


Monitoring Well OU2MW-33D 40-45 ft bgs

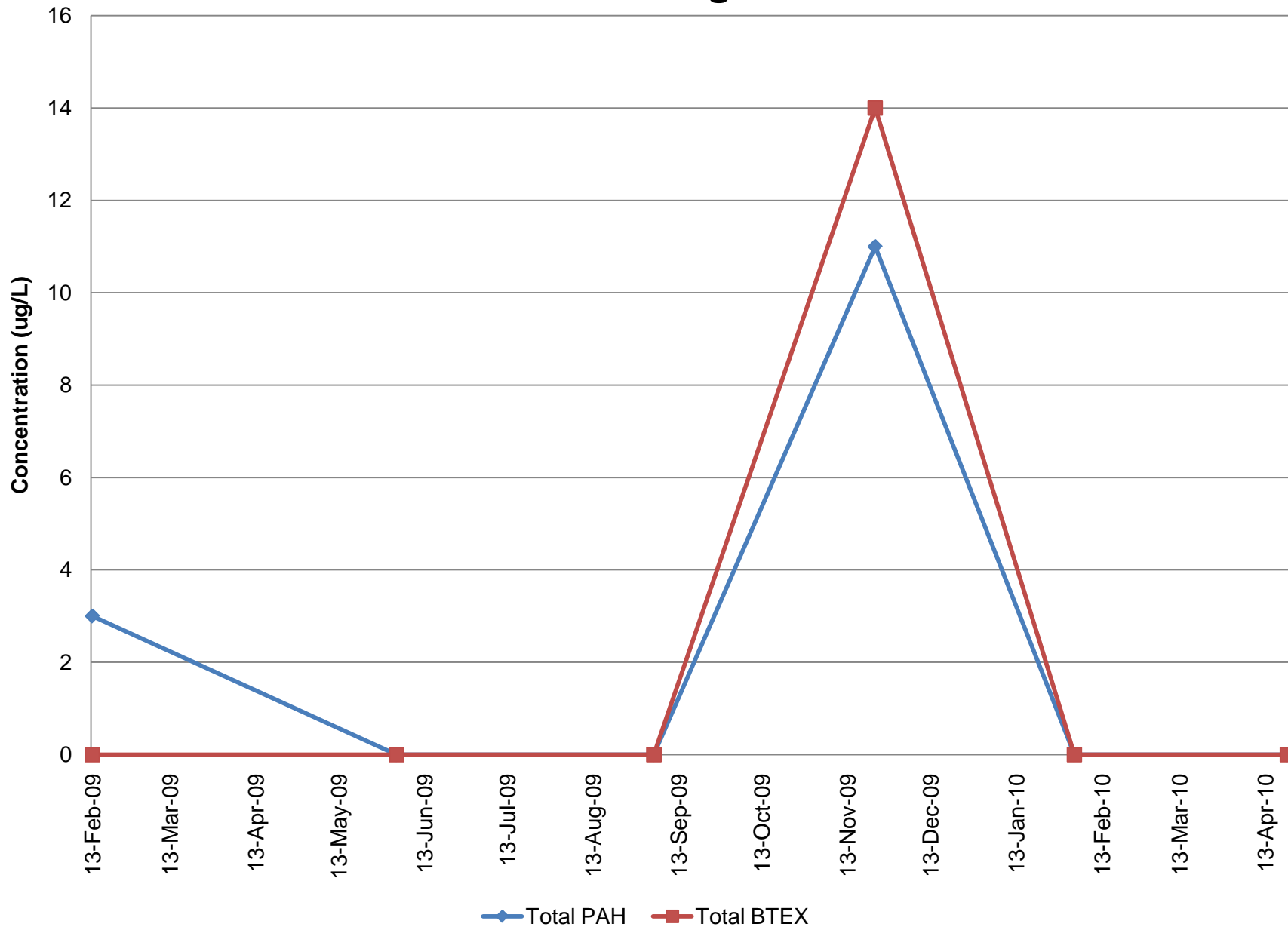


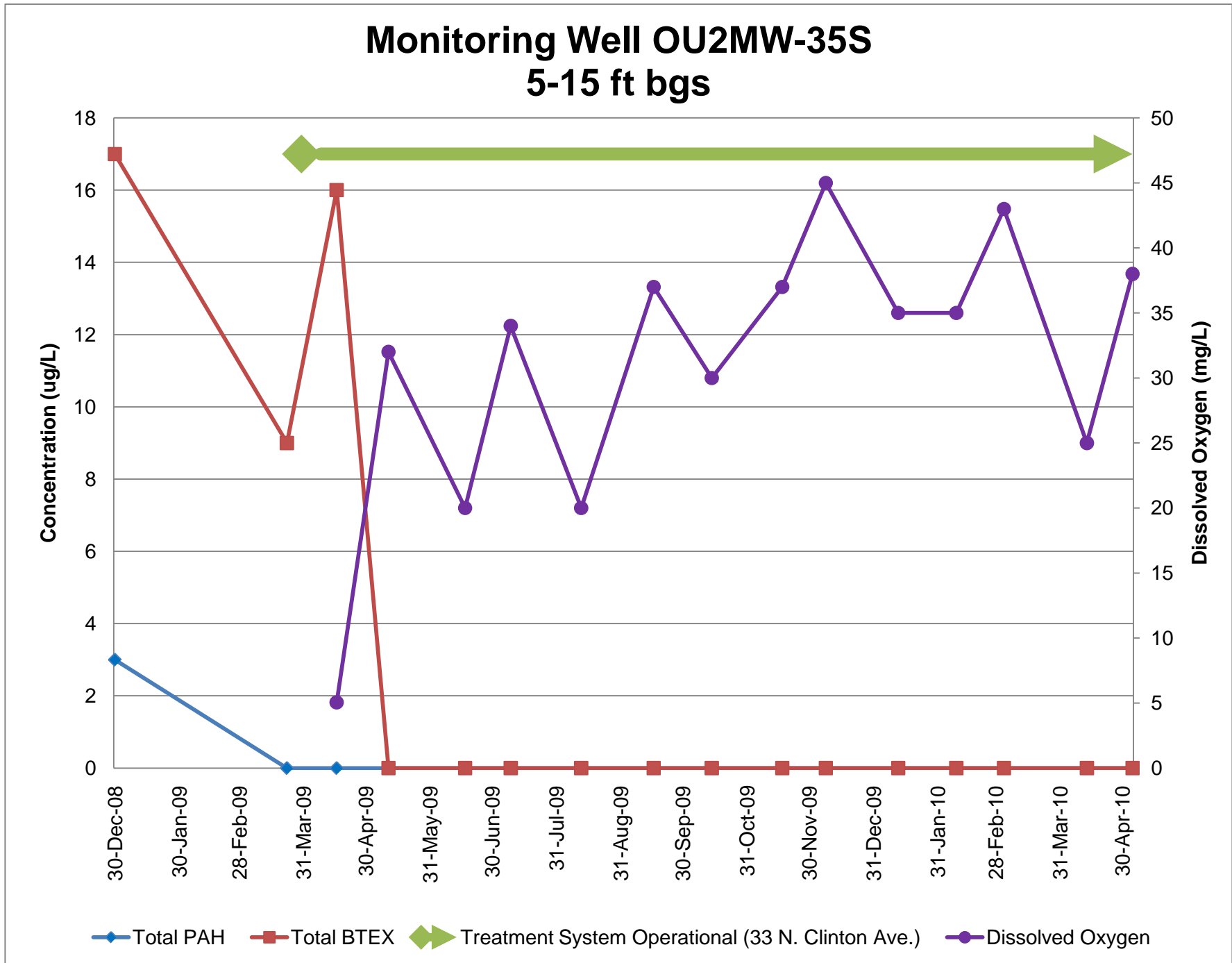
Monitoring Well OU2MW-34S 5-15 ft bgs



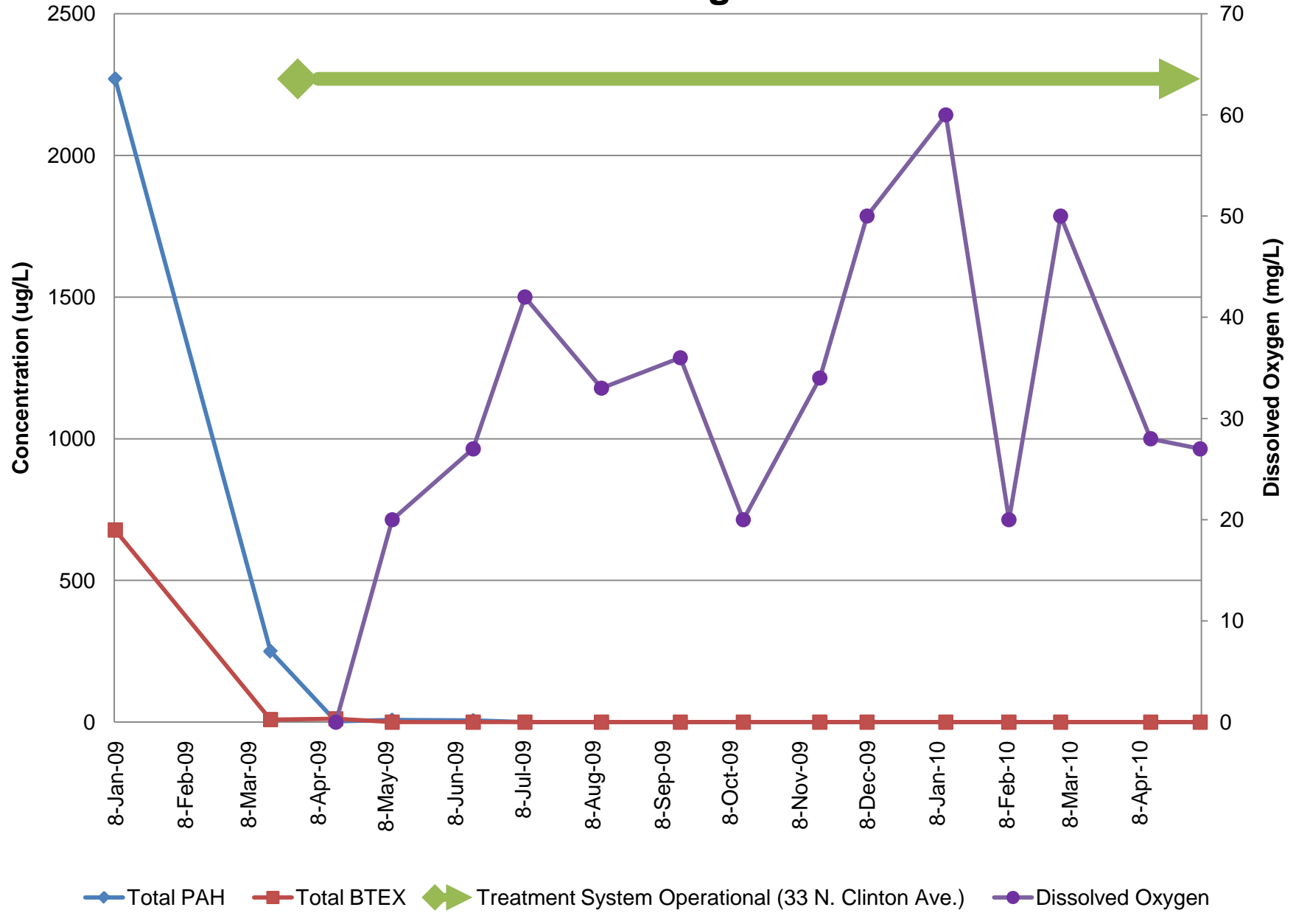


Monitoring Well OU2MW-34I2 45-50 ft bgs

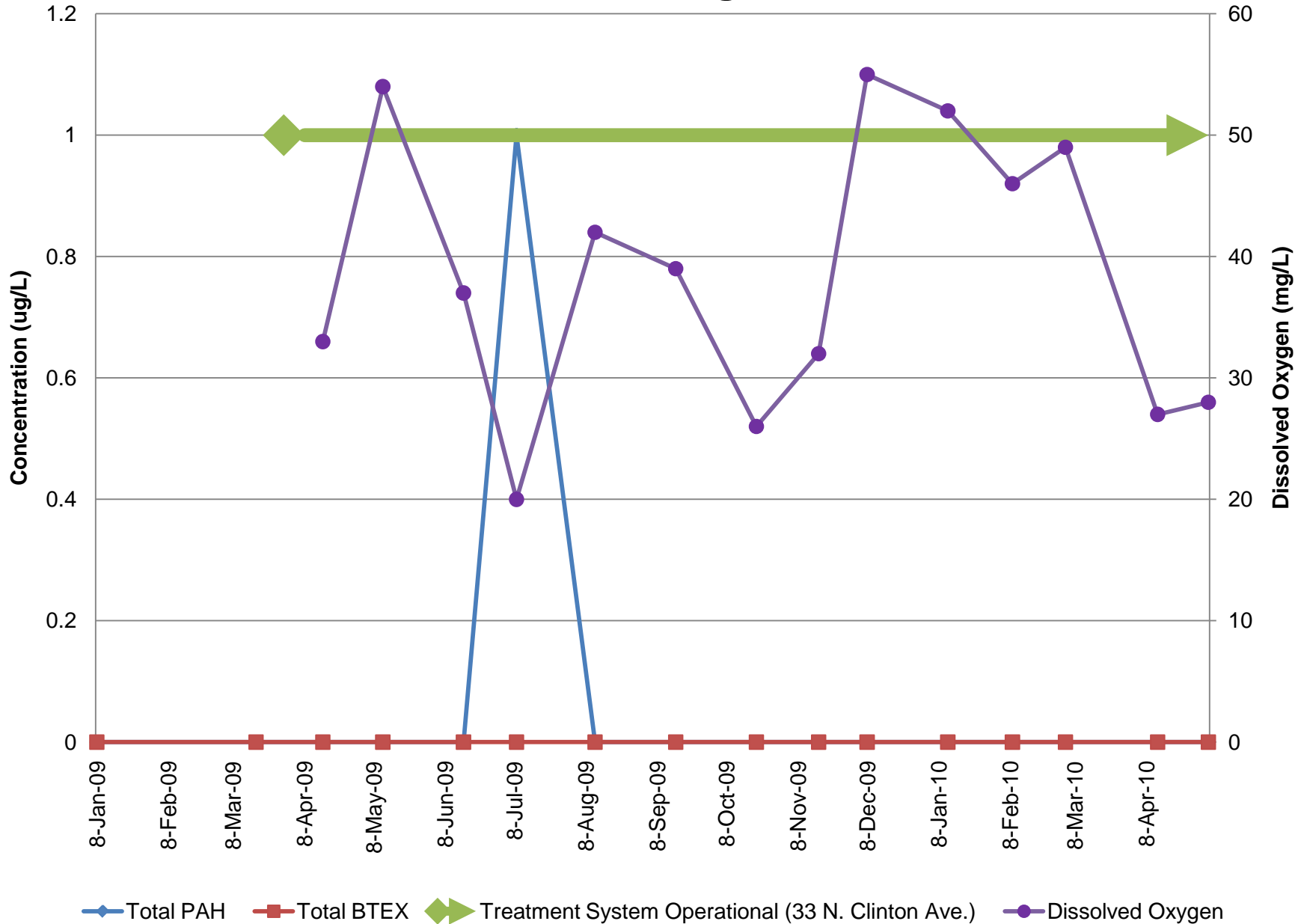




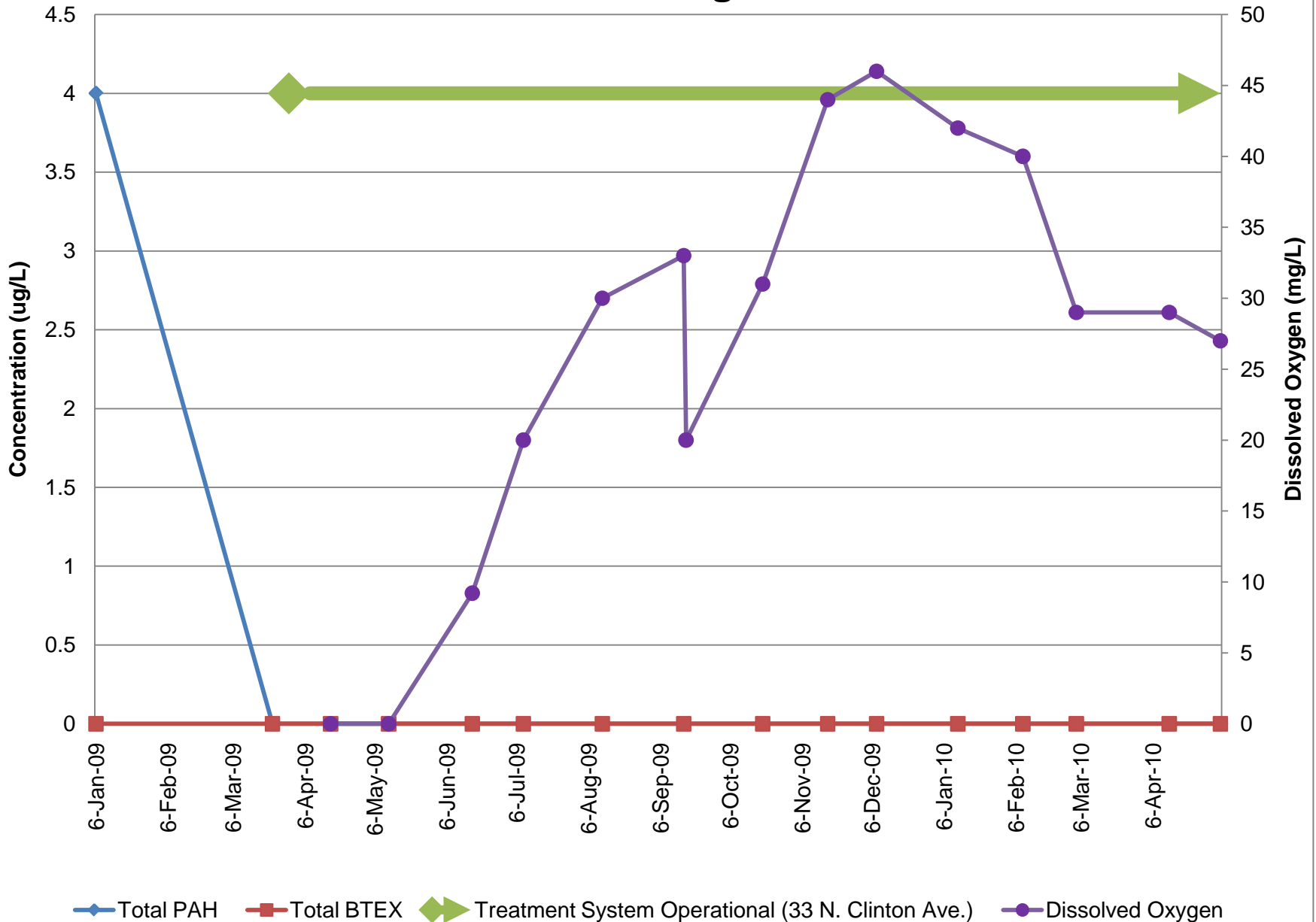
Monitoring Well OU2MW-35I 25-30 ft bgs



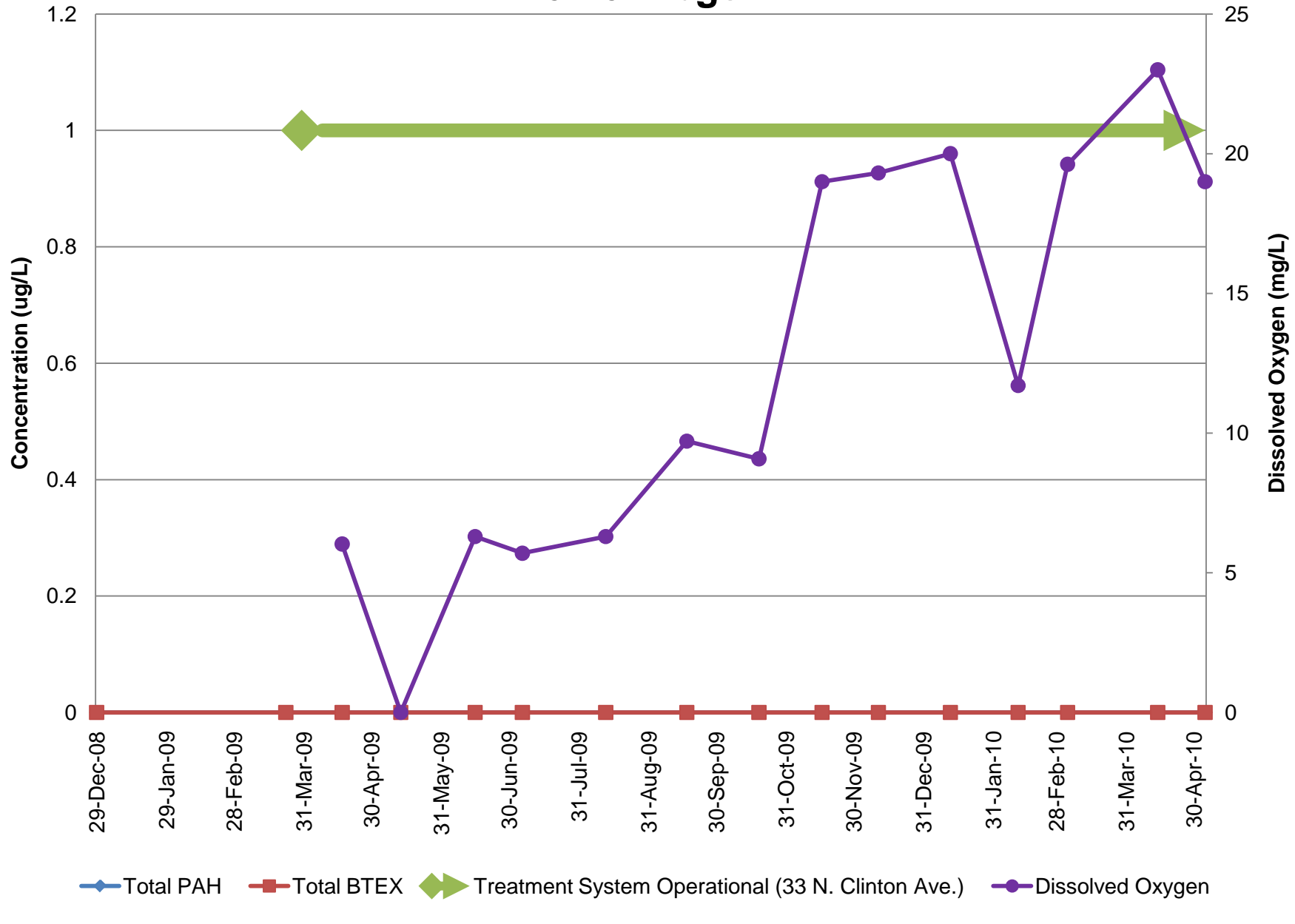
Monitoring Well OU2MW-35I2 45-50 ft bgs

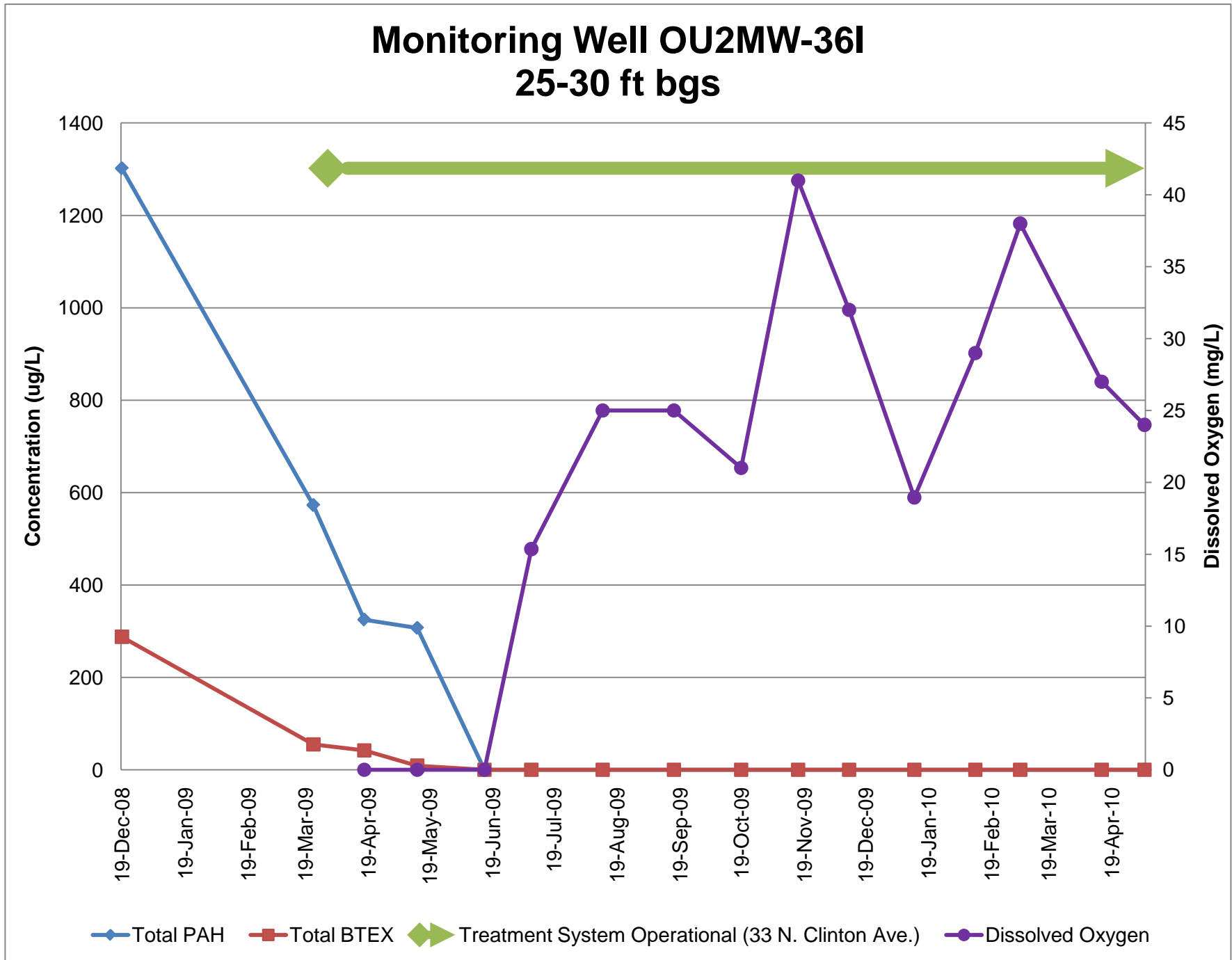


Monitoring Well OU2MW-35D 57-62 ft bgs

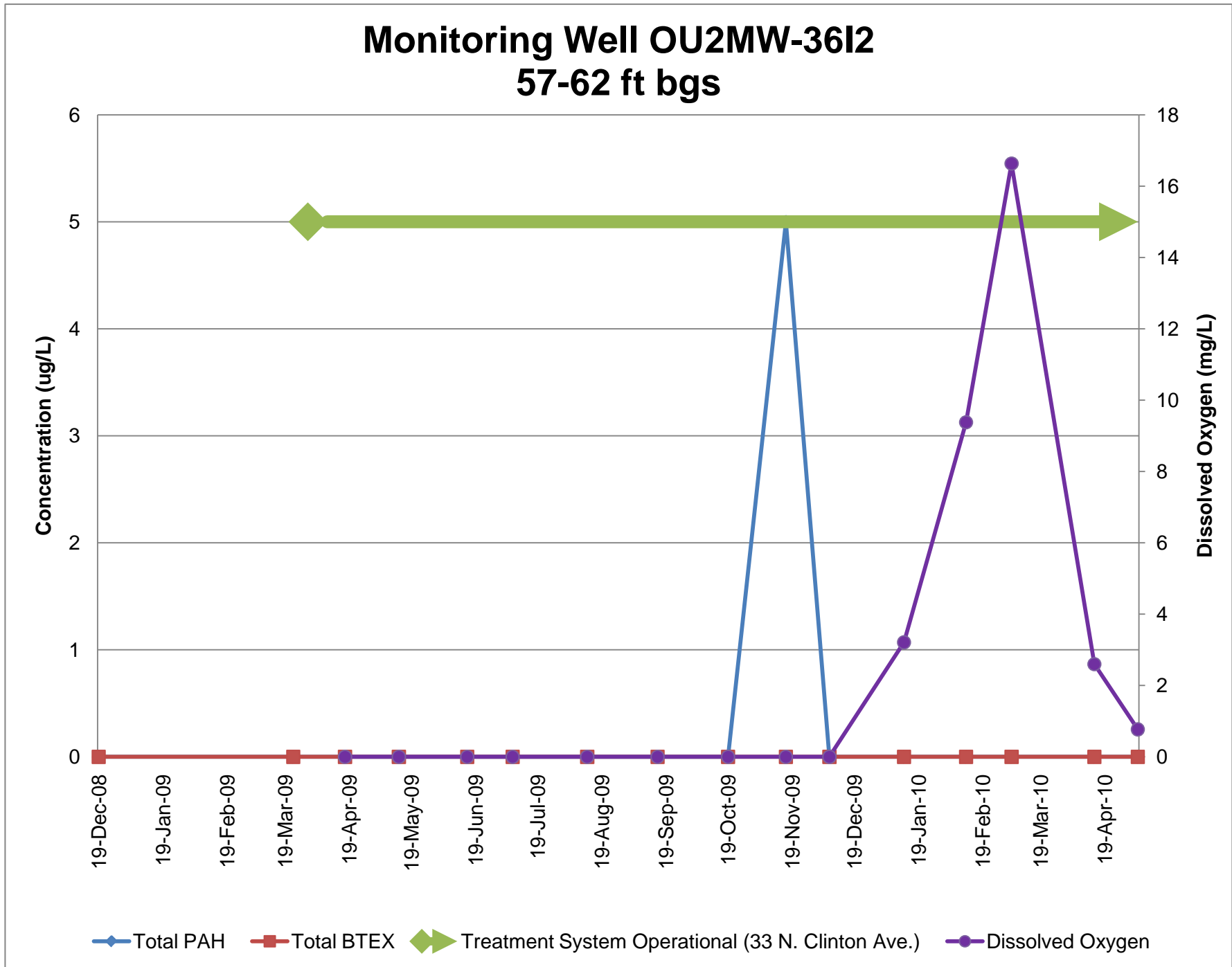


Monitoring Well OU2MW-36S 5-15 ft bgs

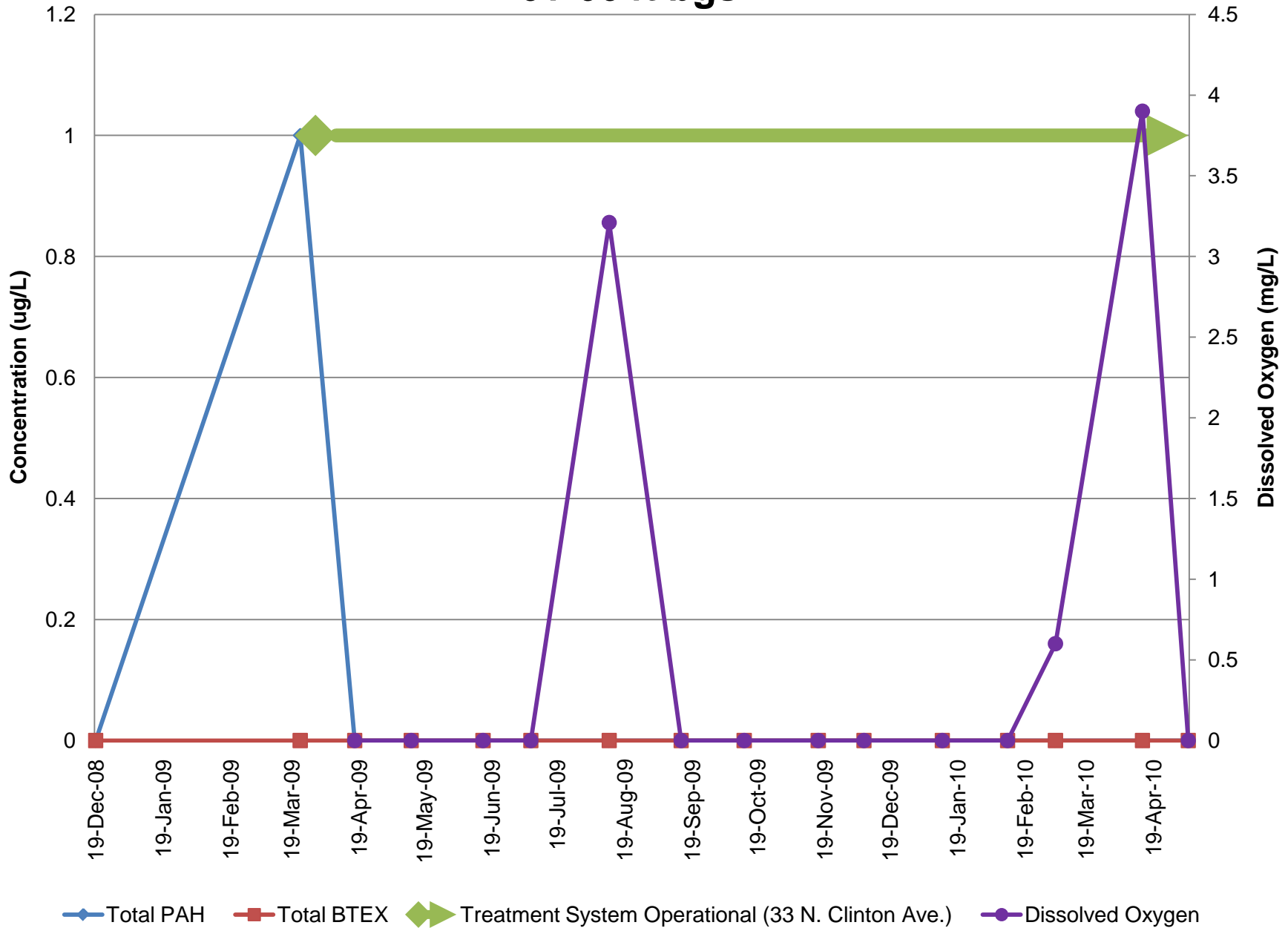




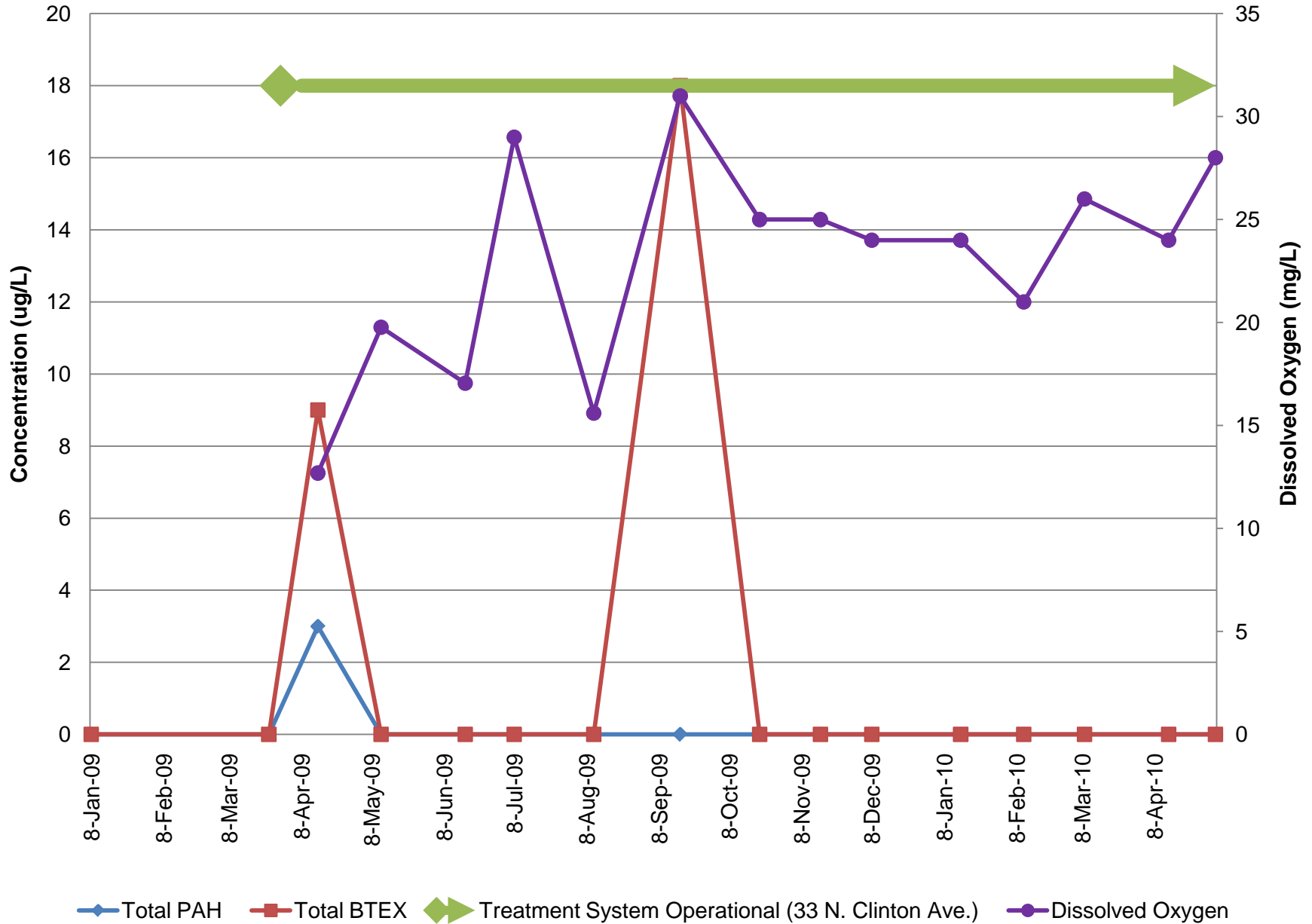
Monitoring Well OU2MW-36I2 57-62 ft bgs



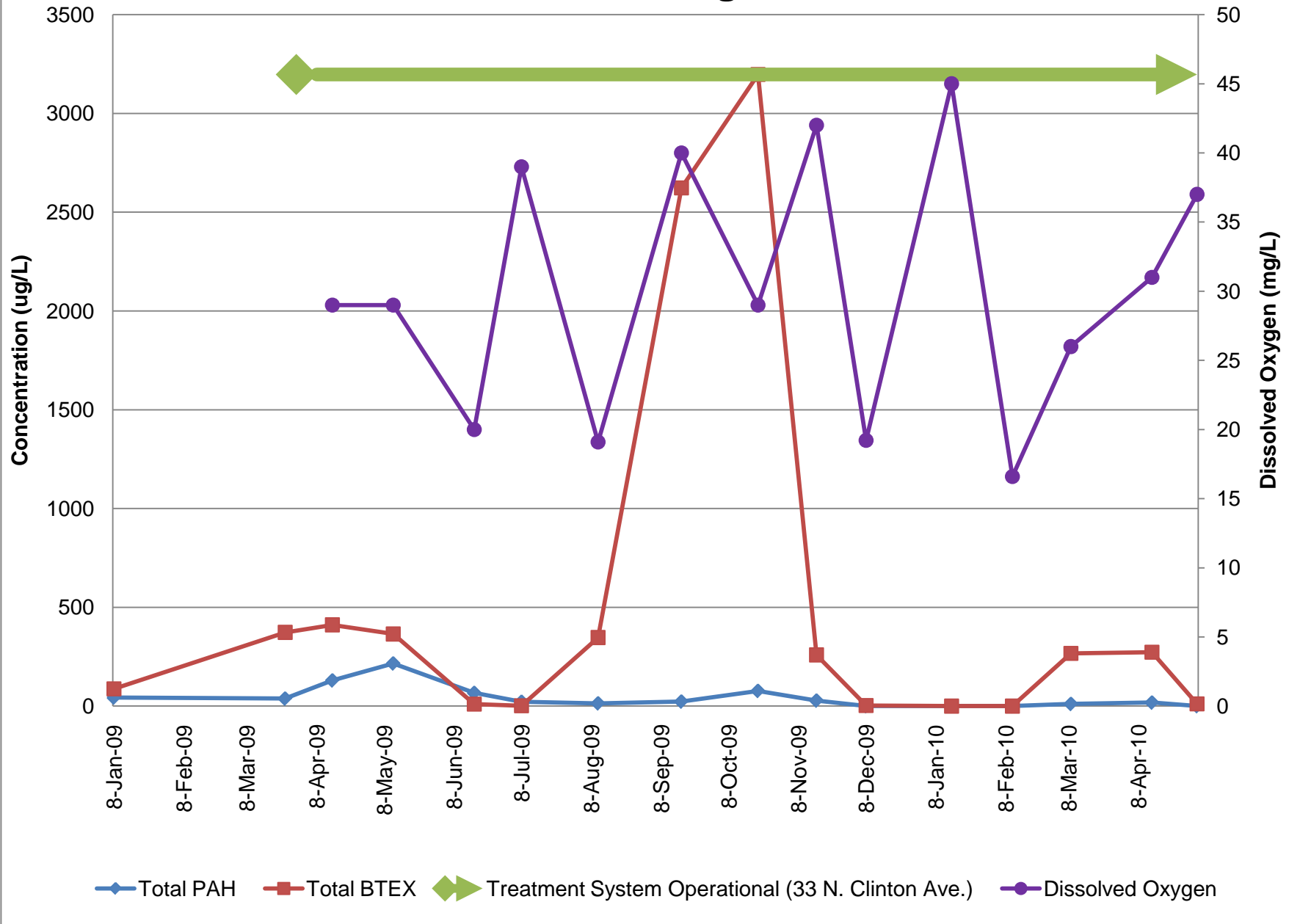
Monitoring Well OU2MW-36D 61-66 ft bgs



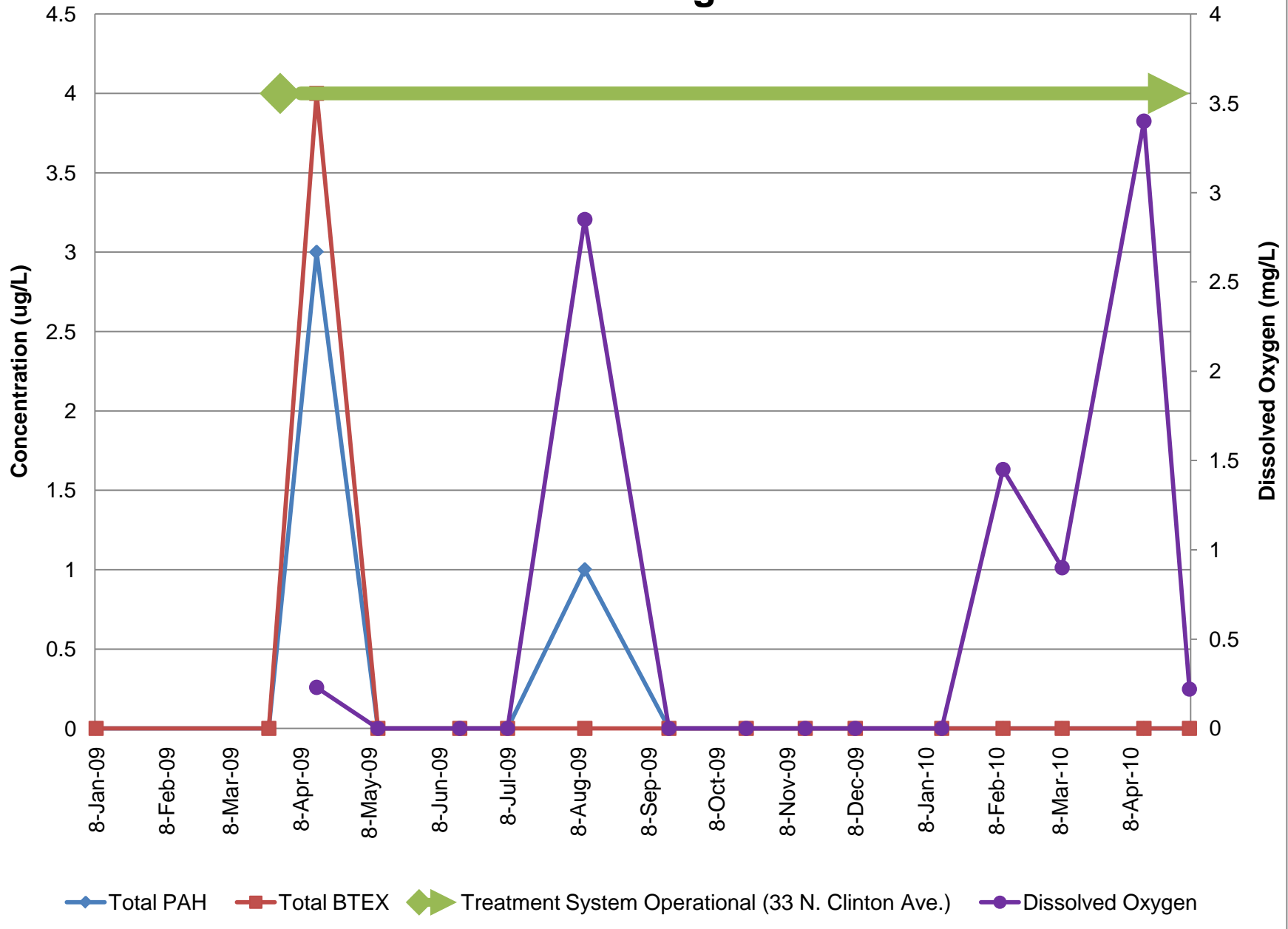
Monitoring Well OU2MW-37S 5-15 ft bgs



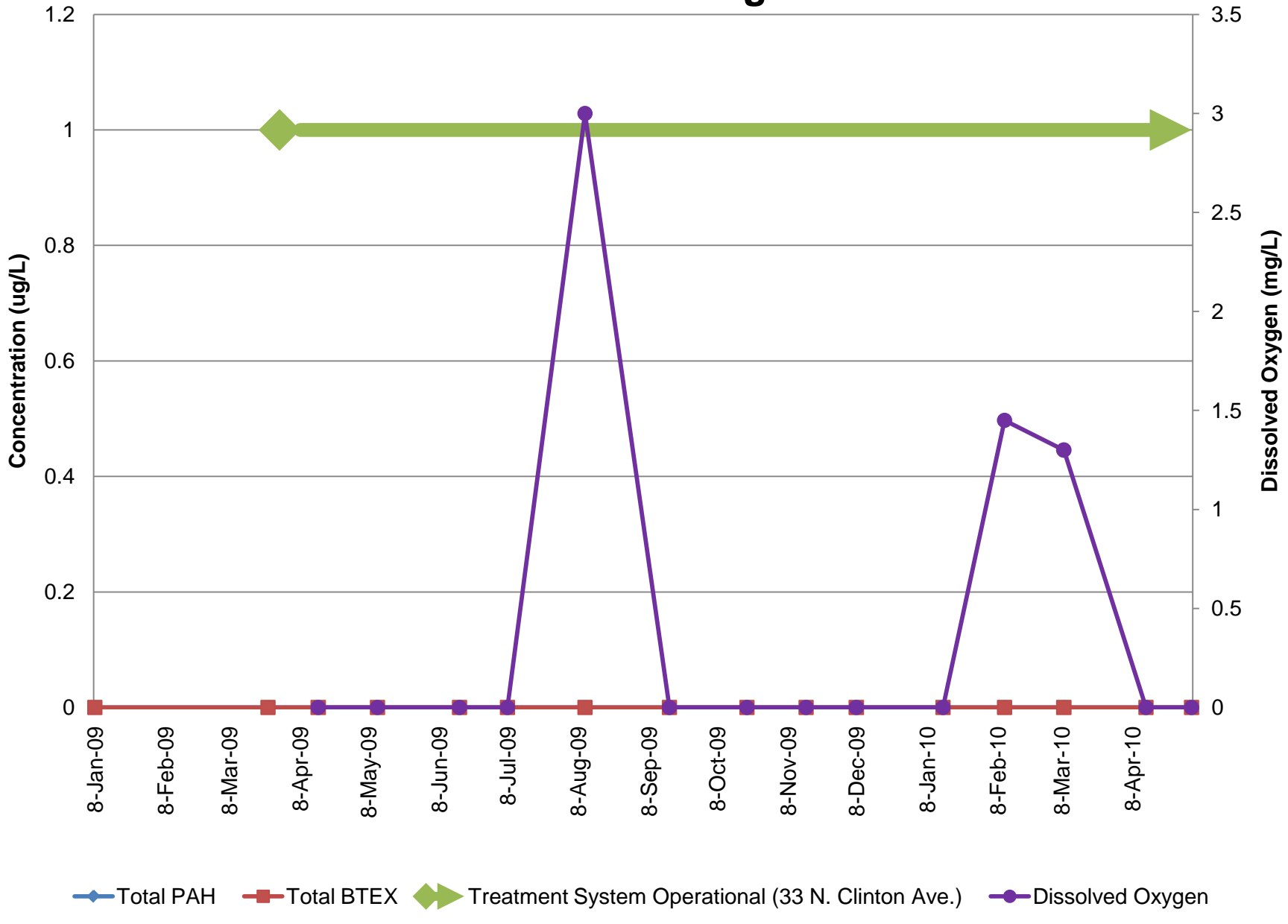
Monitoring Well OU2MW-37I 25-30 ft bgs

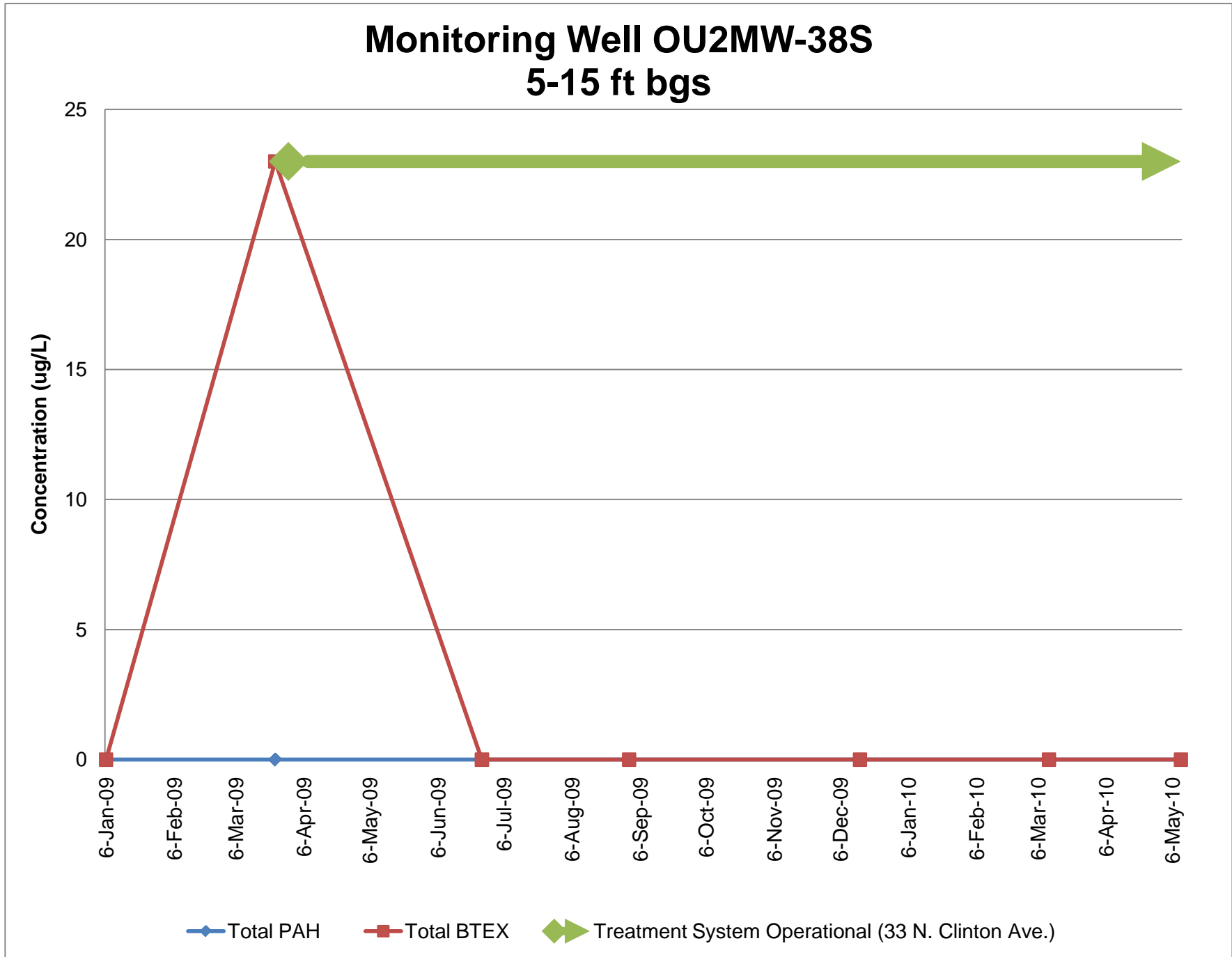


Monitoring Well OU2MW-37I2 45-50 ft bgs

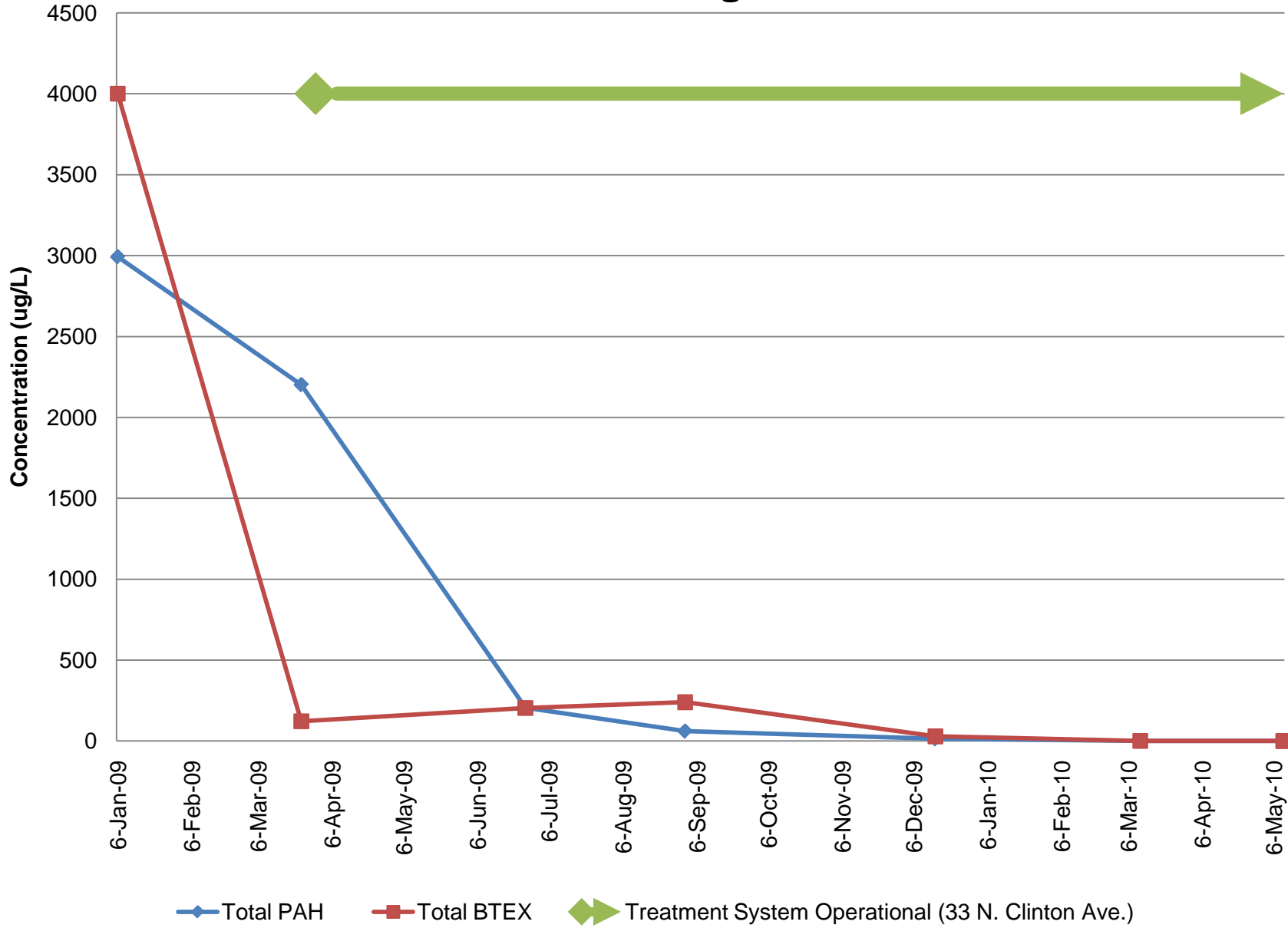


Monitoring Well OU2MW-37D 67-72 ft bgs

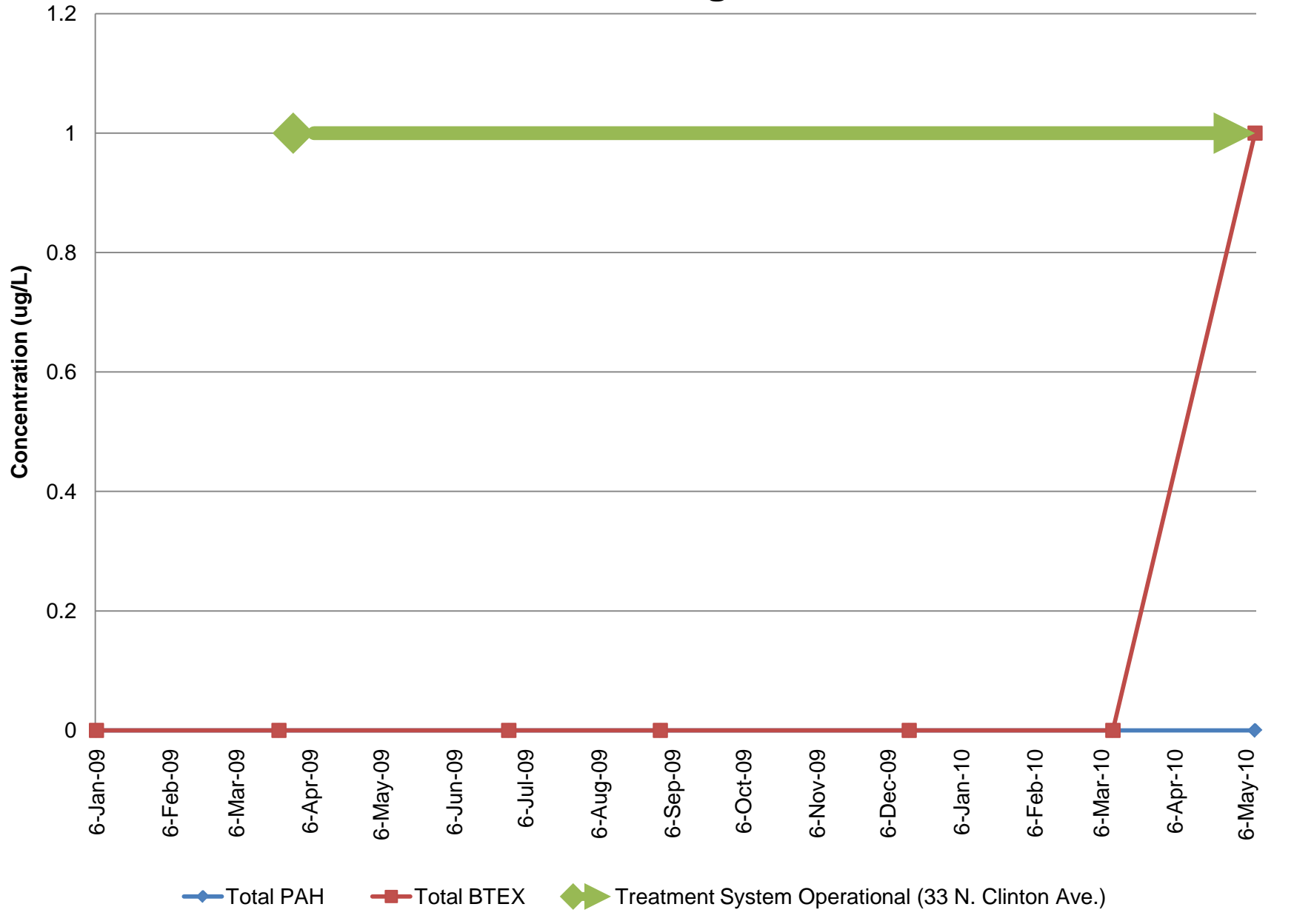


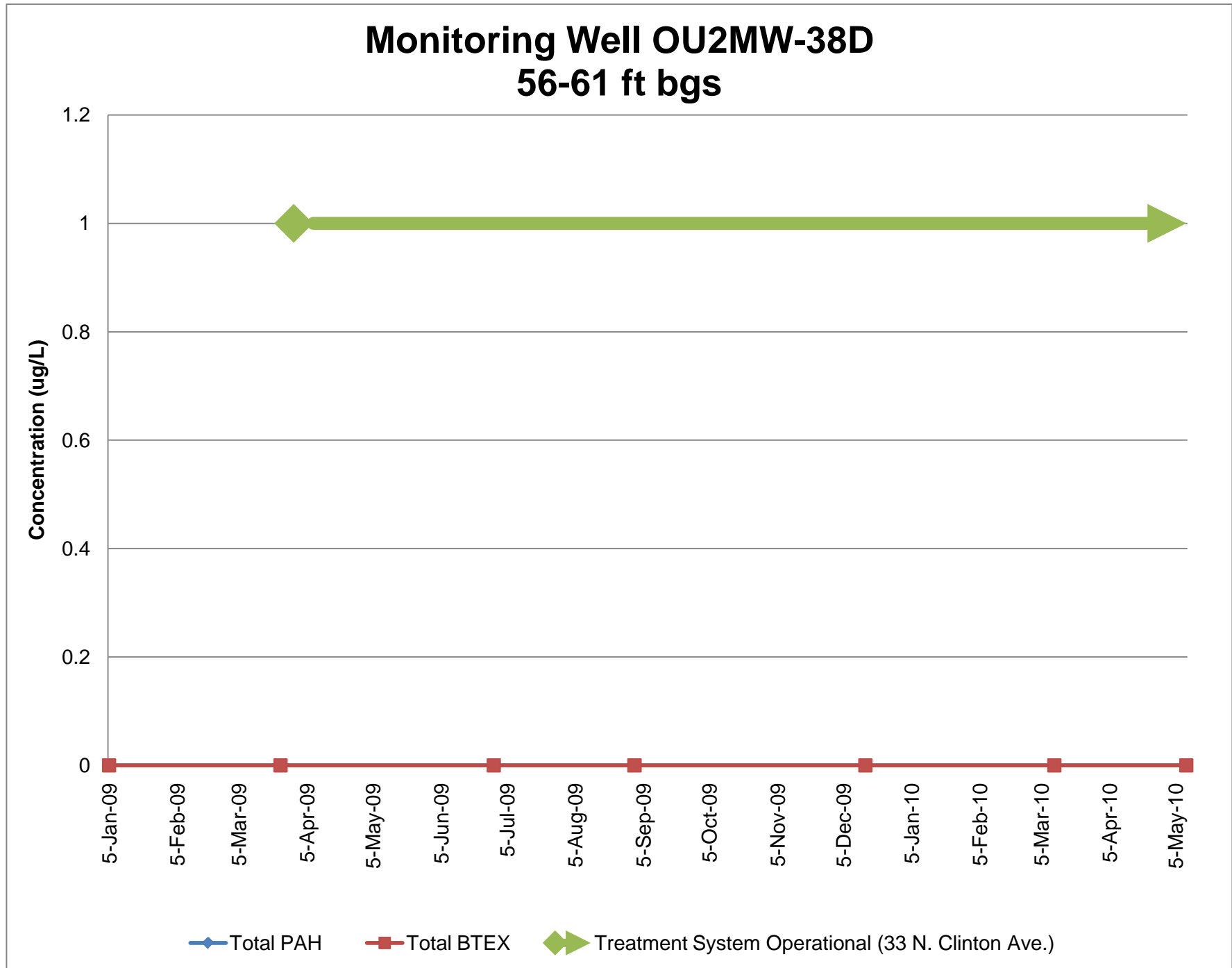


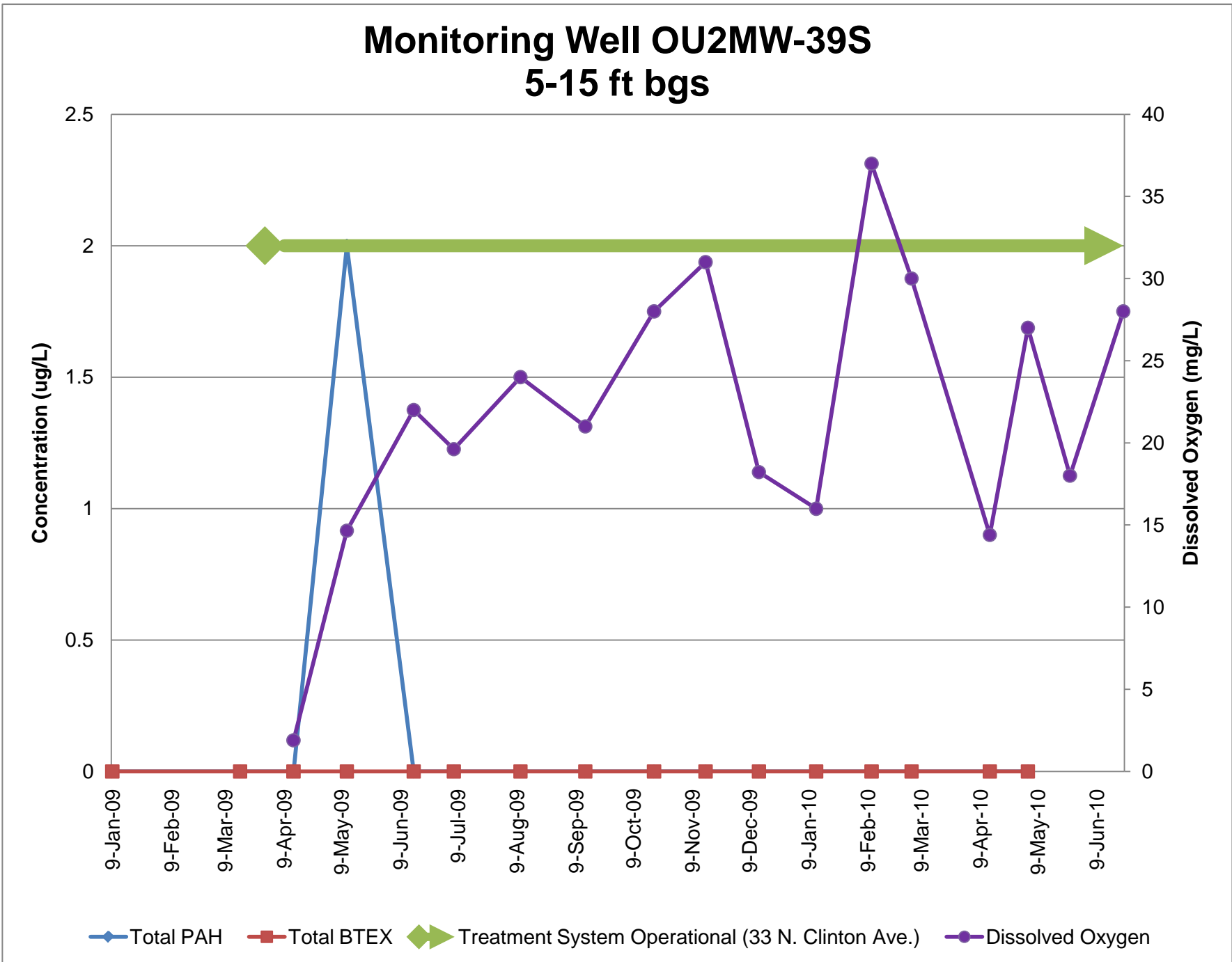
Monitoring Well OU2MW-38I 25-30 ft bgs

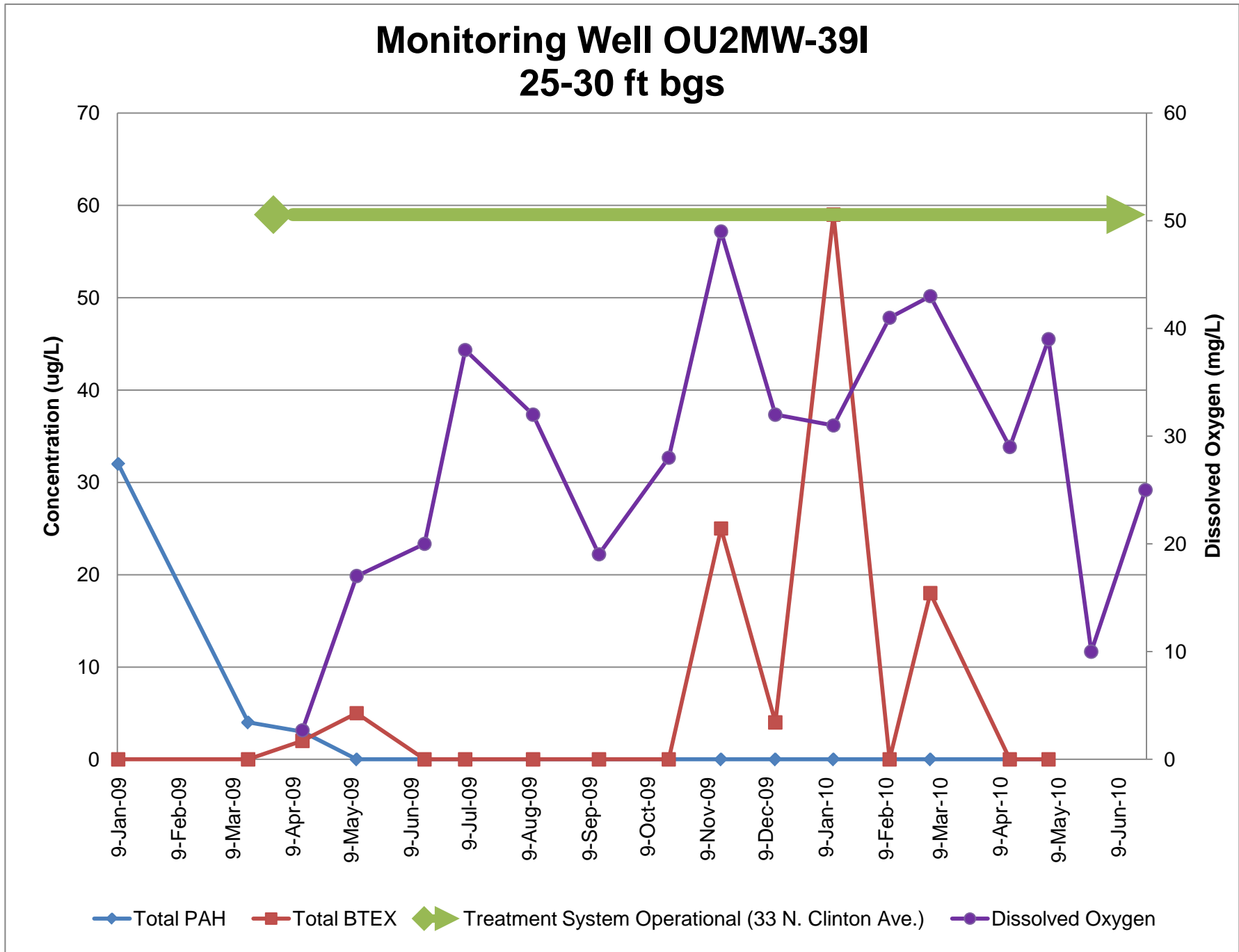


Monitoring Well OU2MW-38I2 46-51 ft bgs

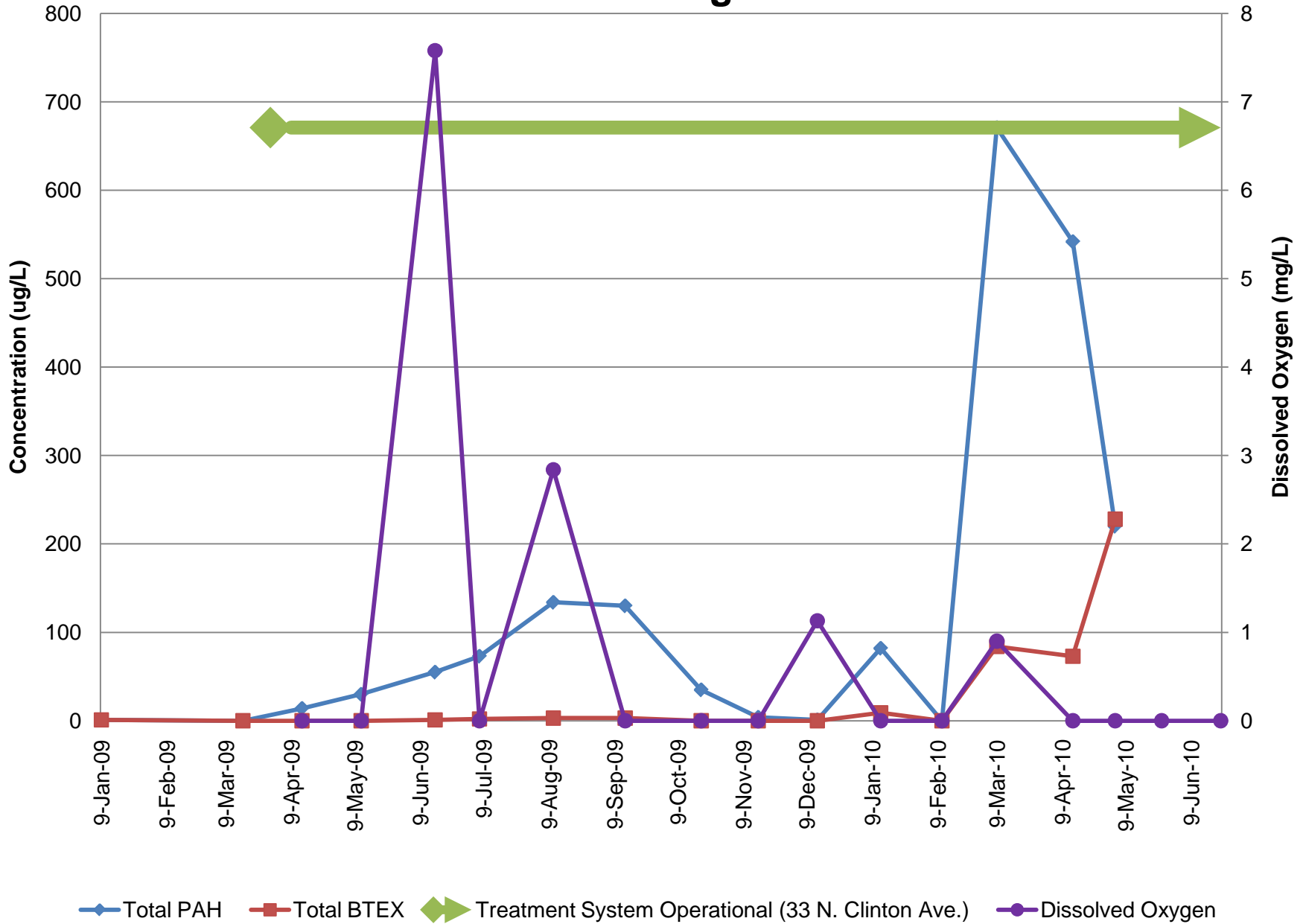


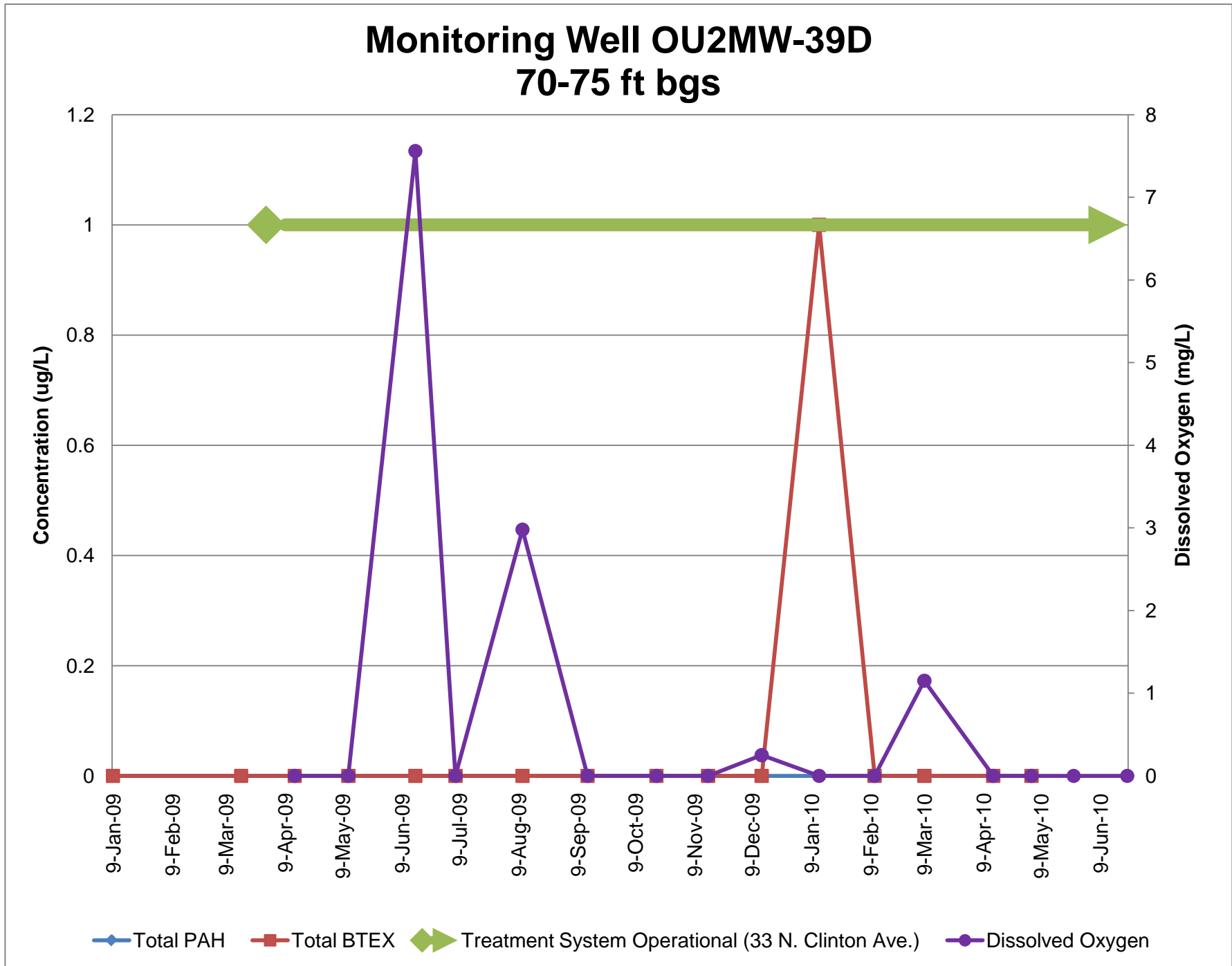


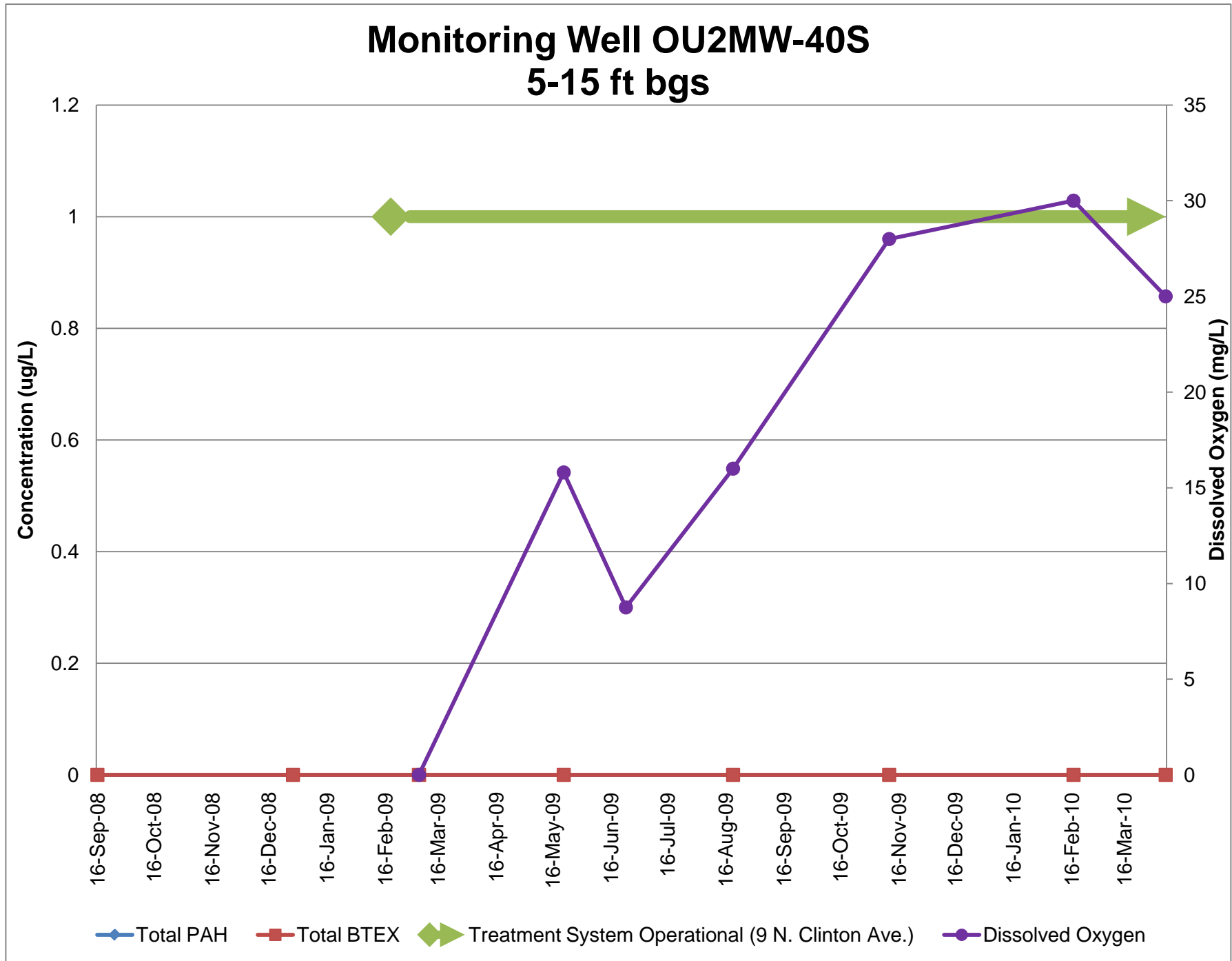




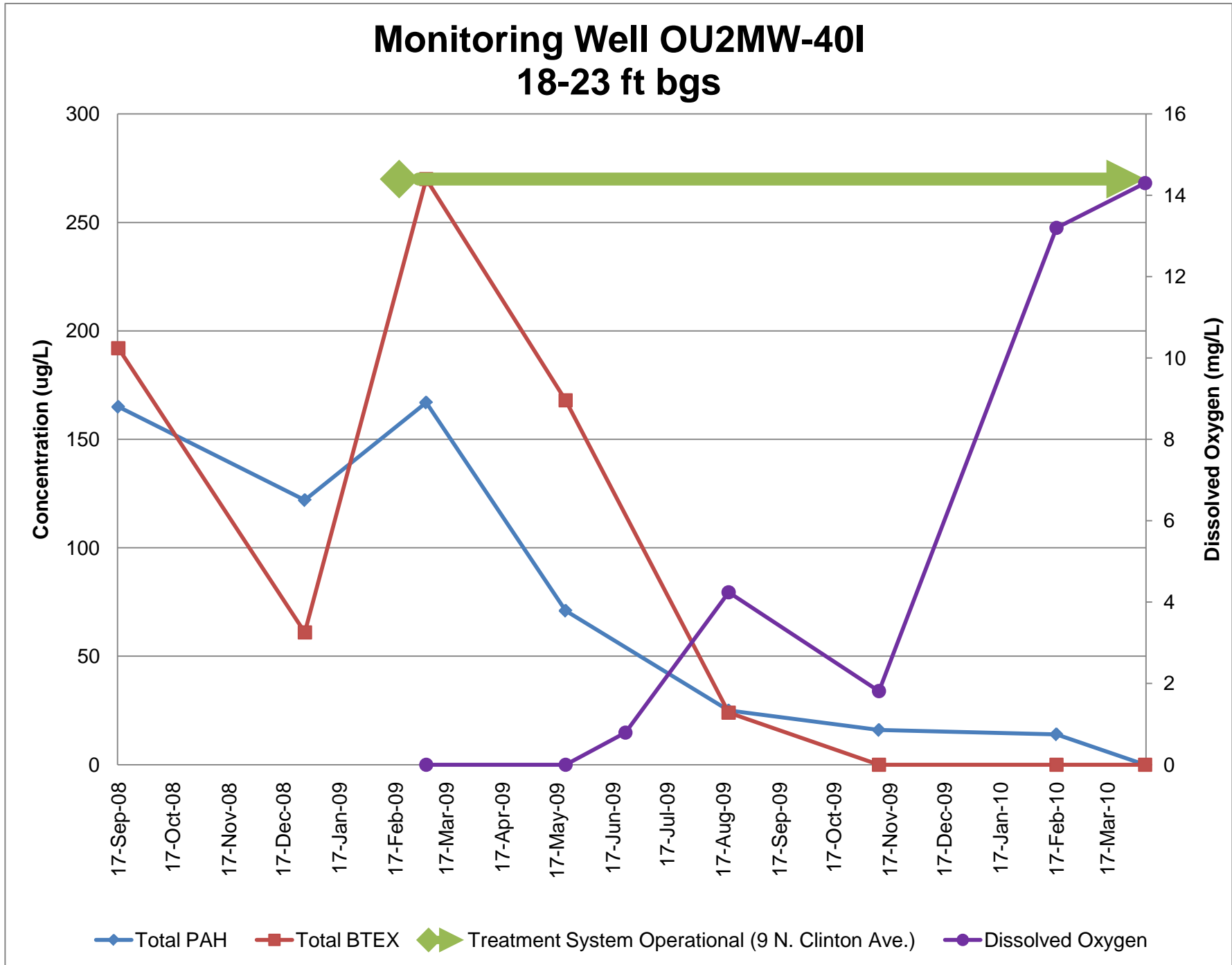
Monitoring Well OU2MW-39I2 45-50 ft bgs



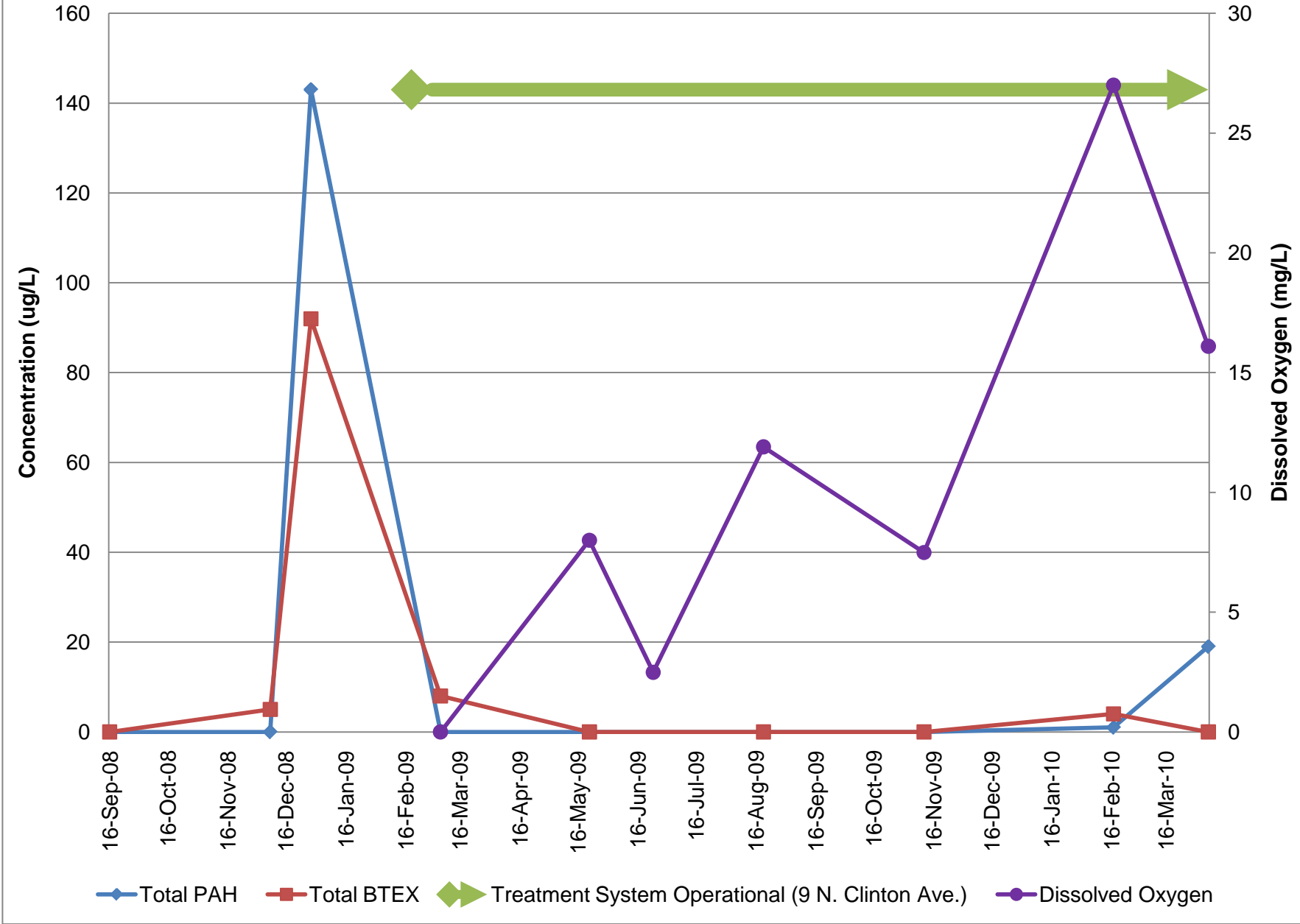




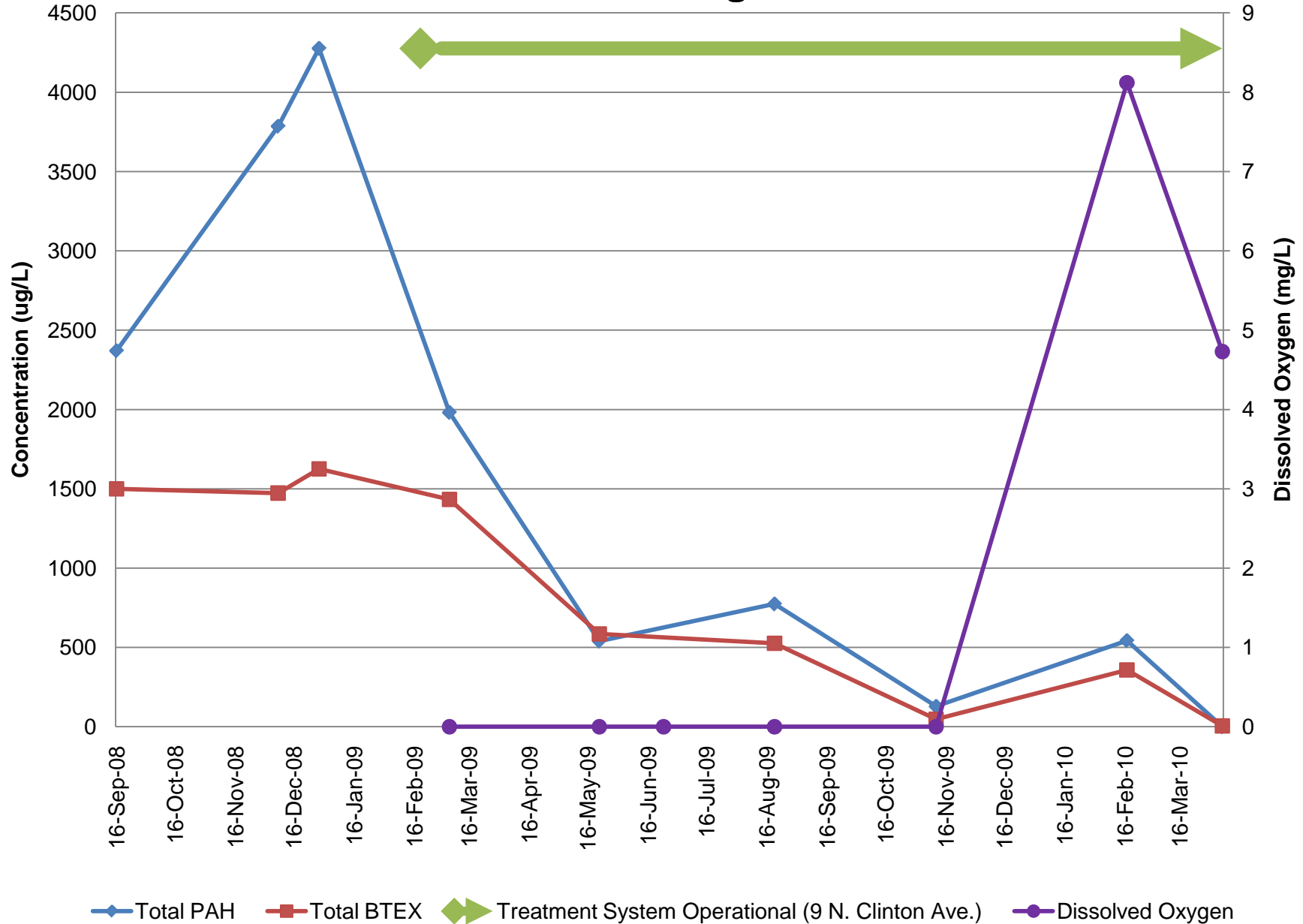
Monitoring Well OU2MW-40I 18-23 ft bgs



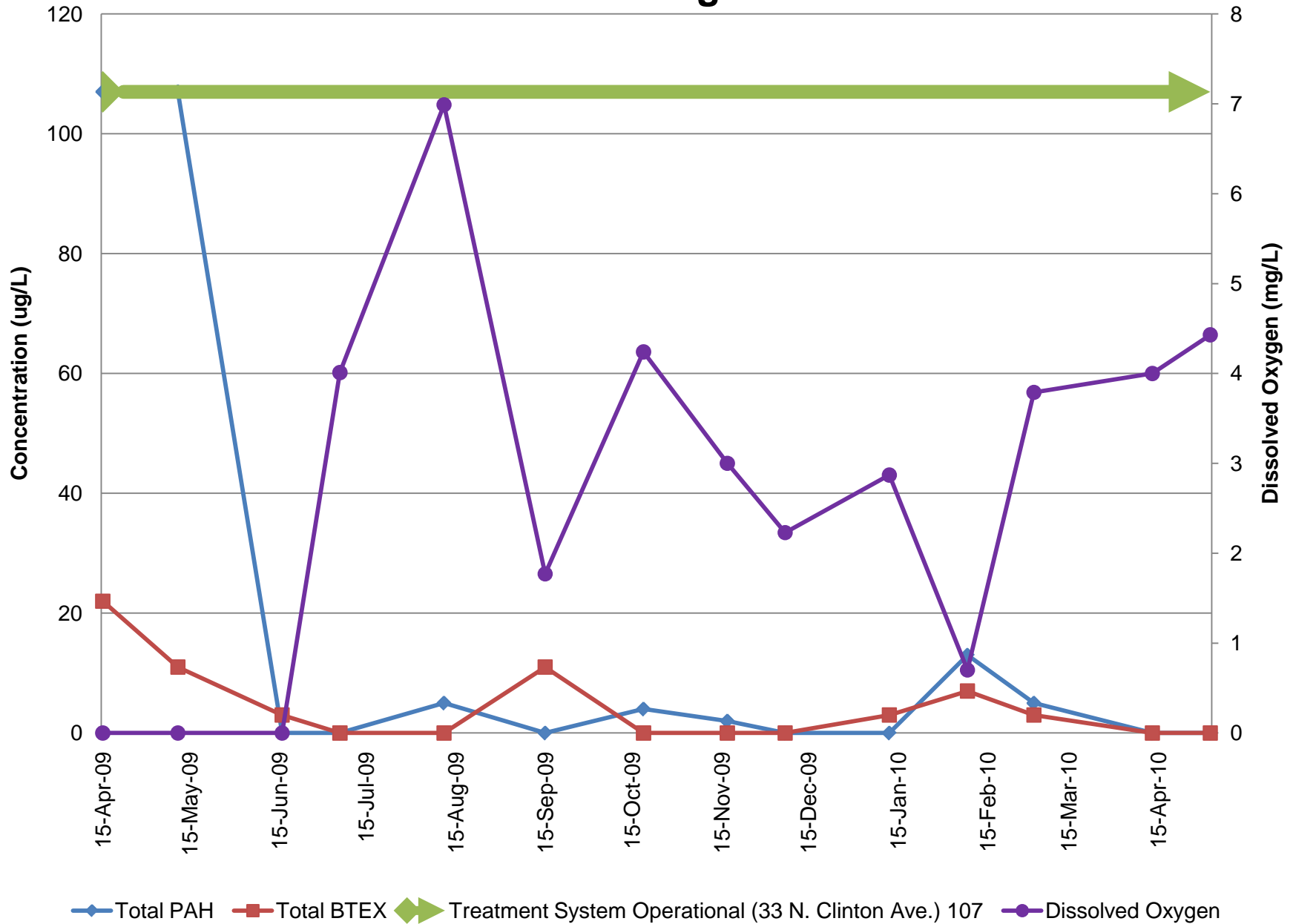
Monitoring Well OU2MW-41S 5-15 ft bgs



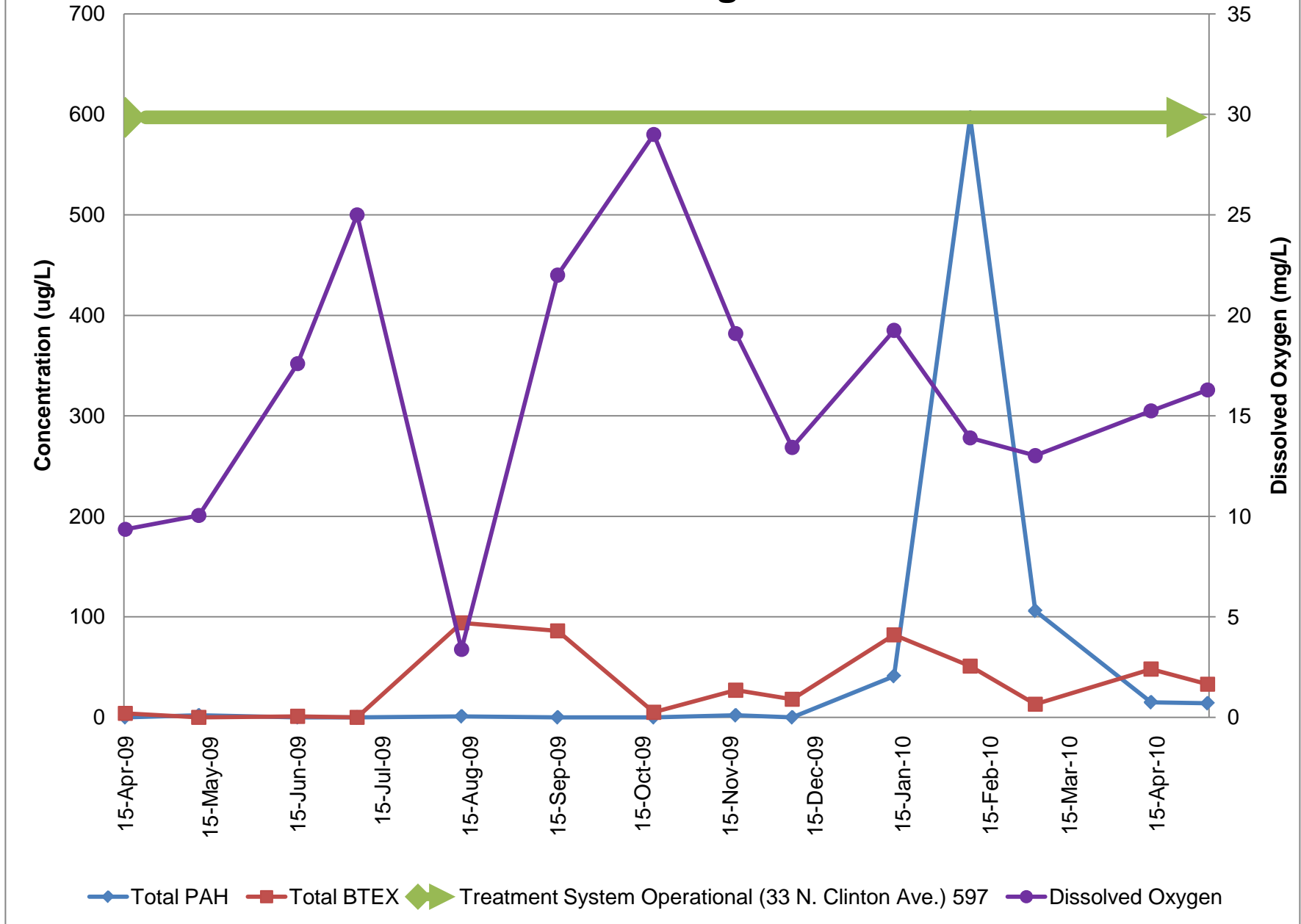
Monitoring Well OU2MW-41I 18-23 ft bgs



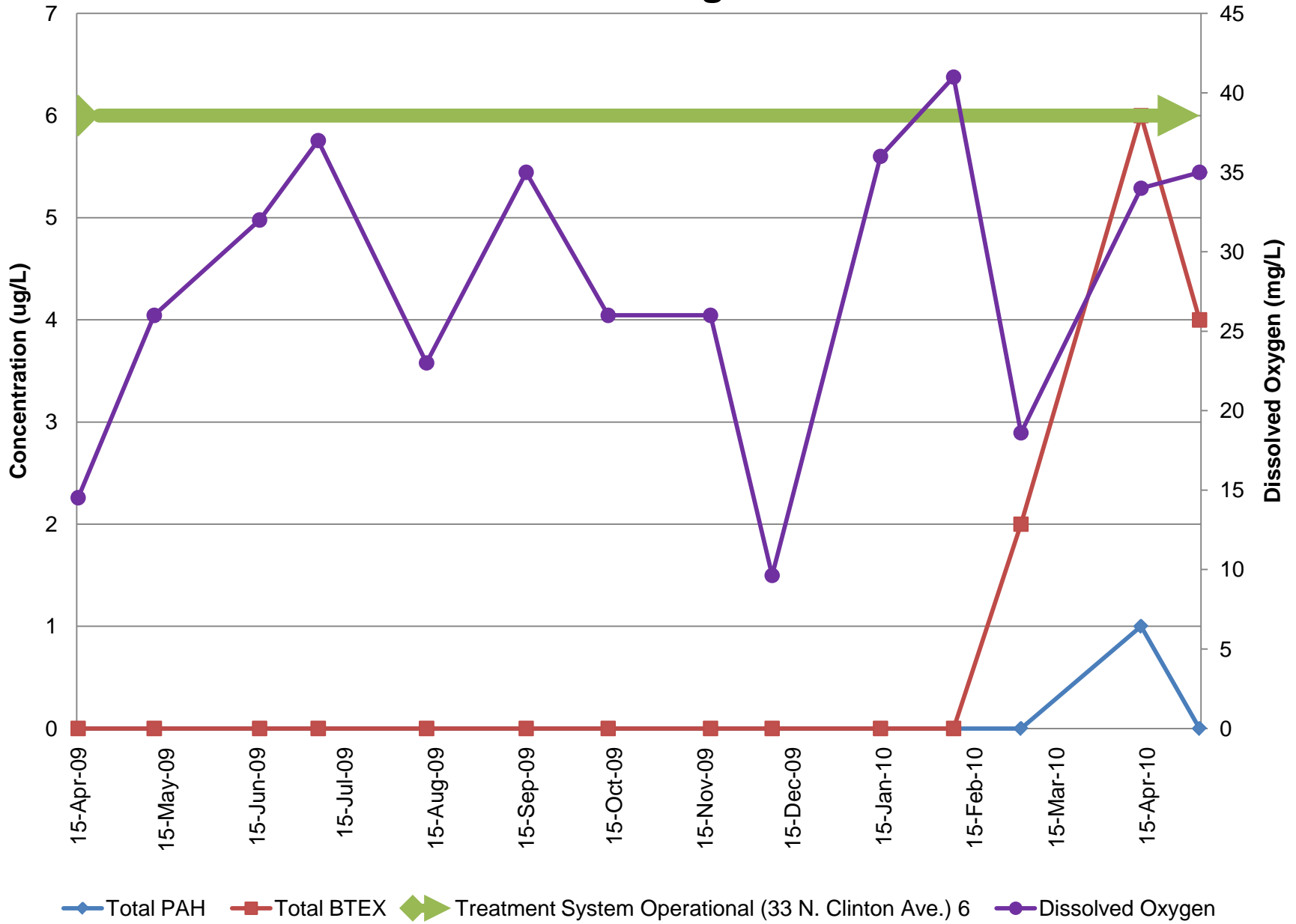
Monitoring Well OU2MW-42S 5-15 ft bgs



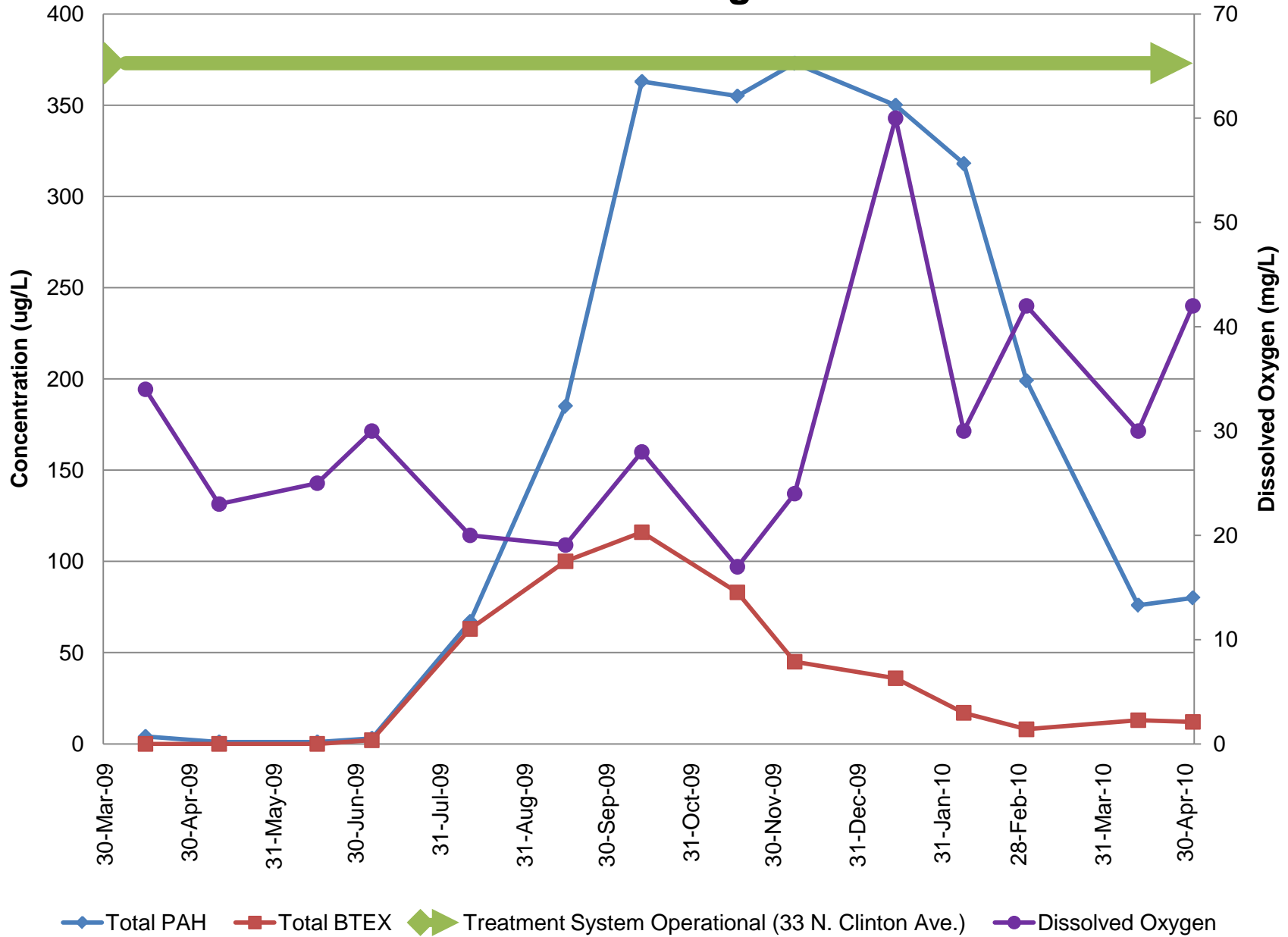
Monitoring Well OU2MW-42I 25-30 ft bgs



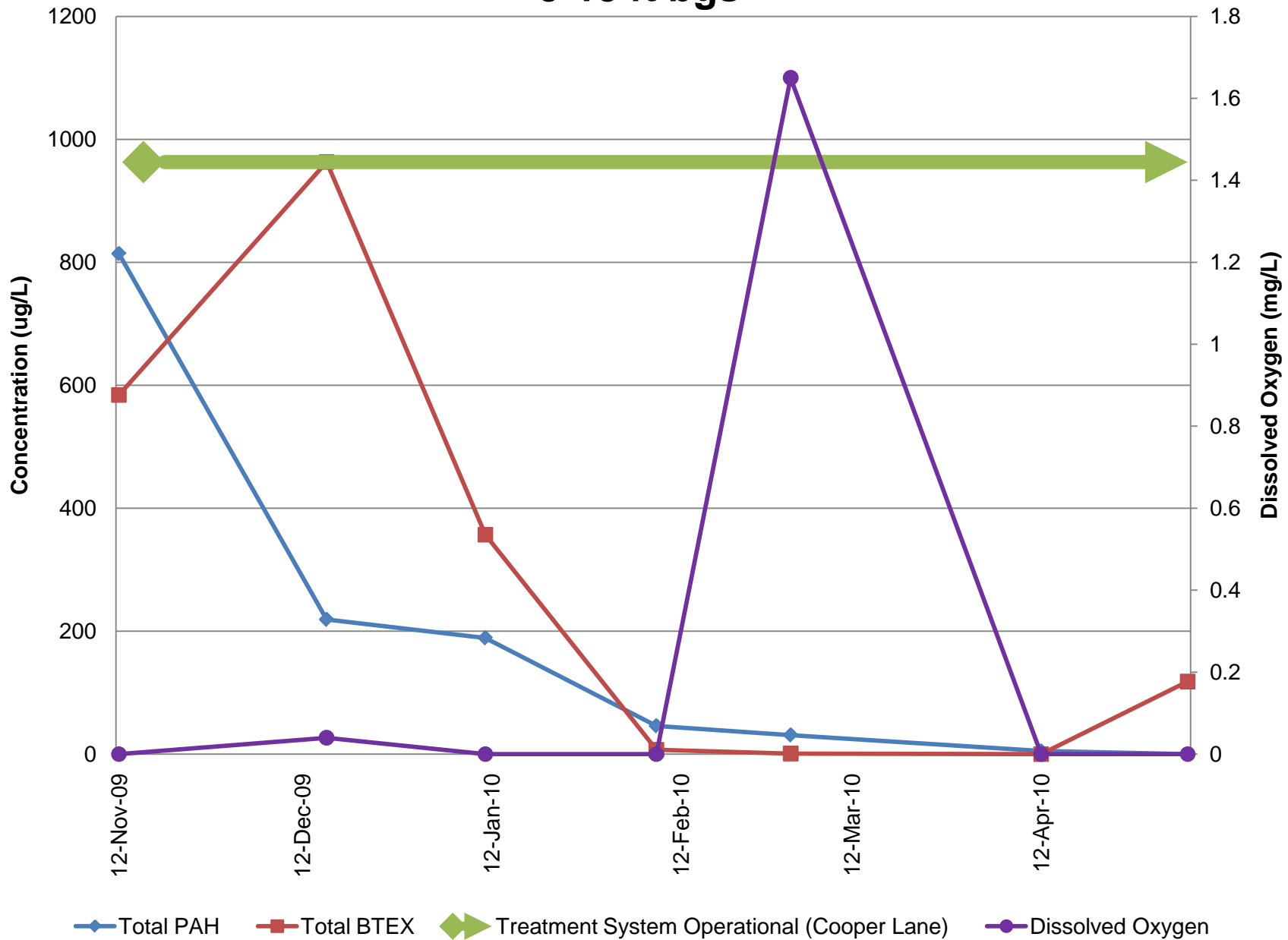
Monitoring Well OU2MW-42I2 40-45 ft bgs



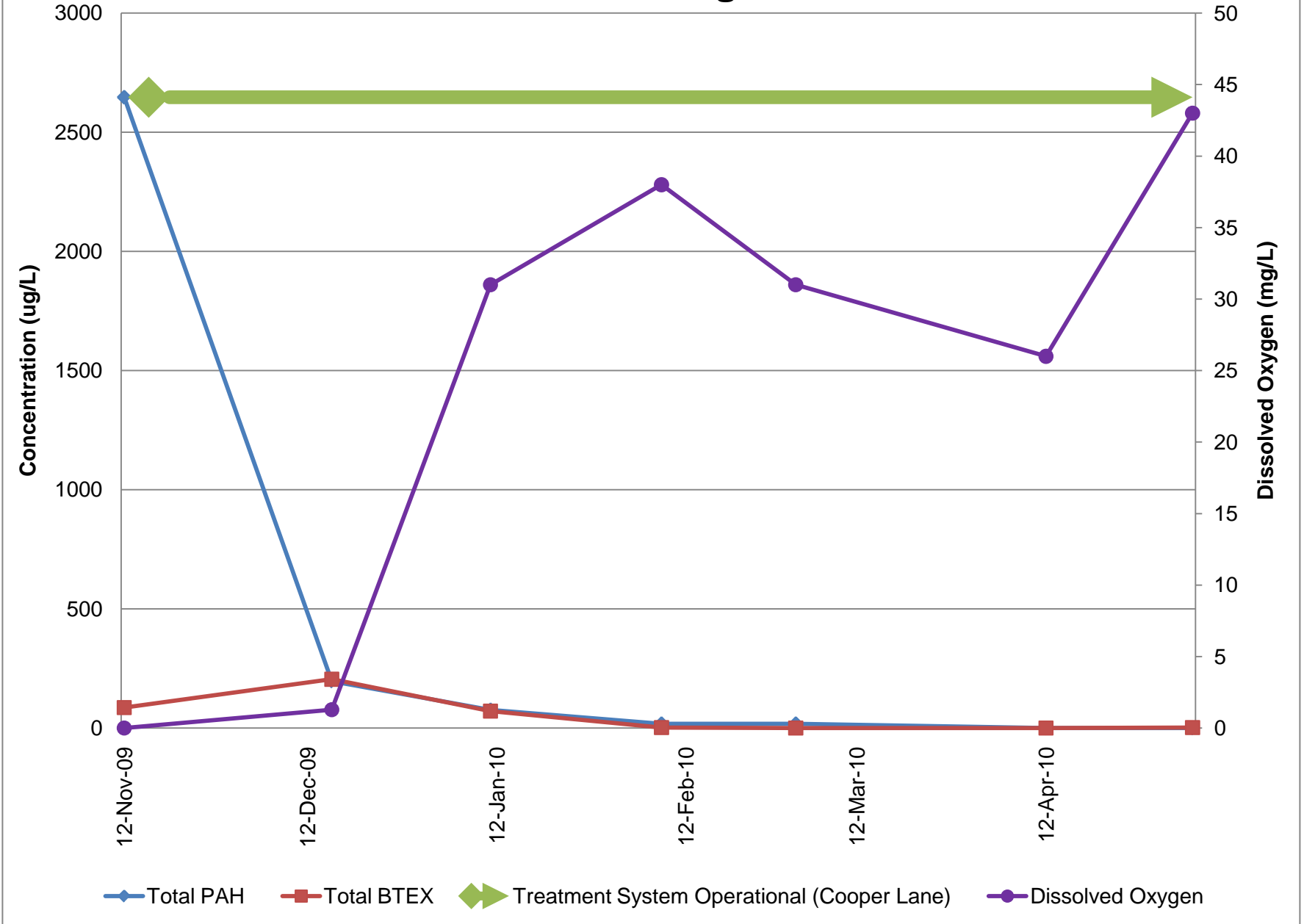
Monitoring Well OU2MW-42D 60-65 ft bgs



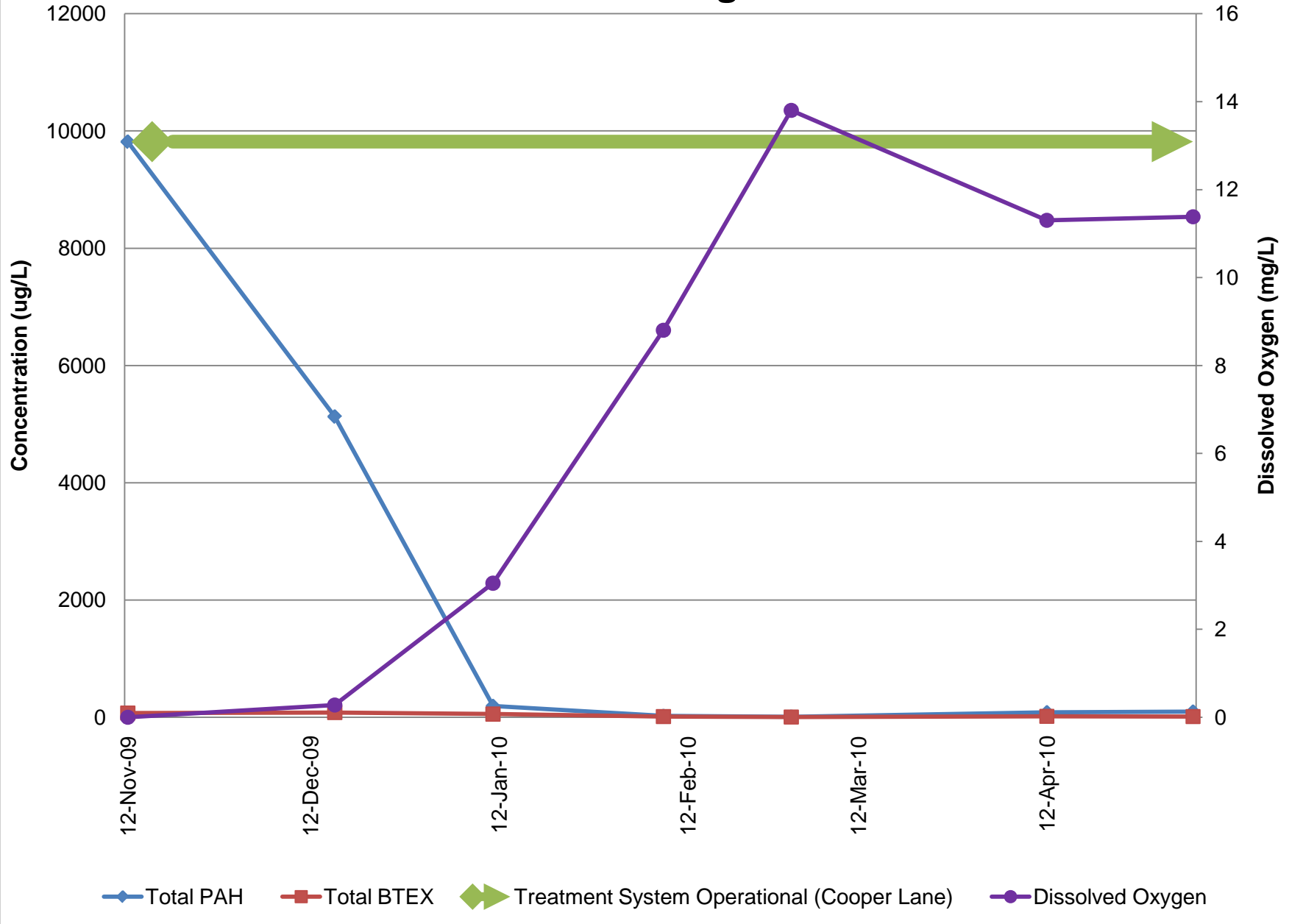
Monitoring Well OU2MW-43S 5-15 ft bgs



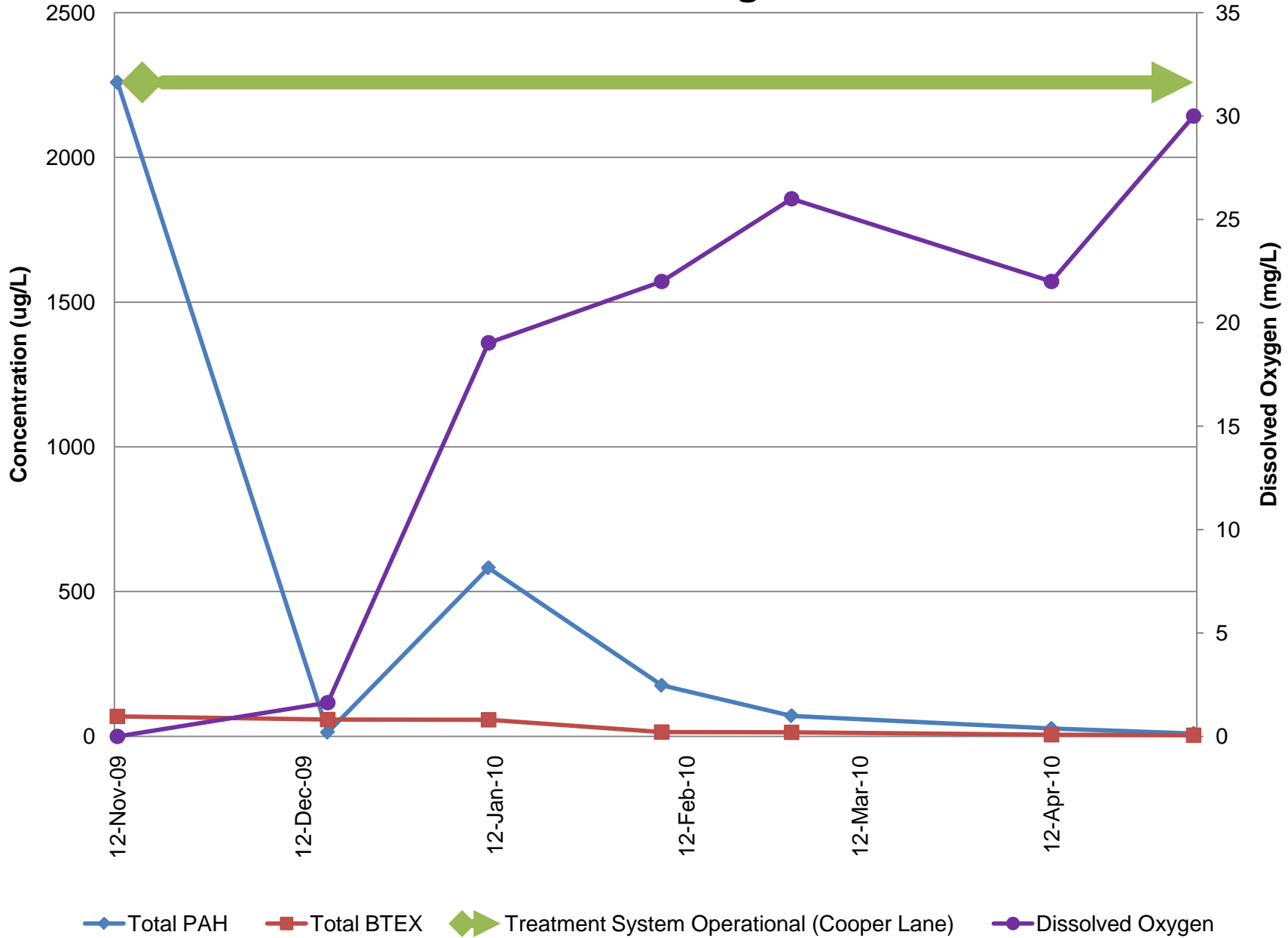
Monitoring Well OU2MW-43I 25-30 ft bgs

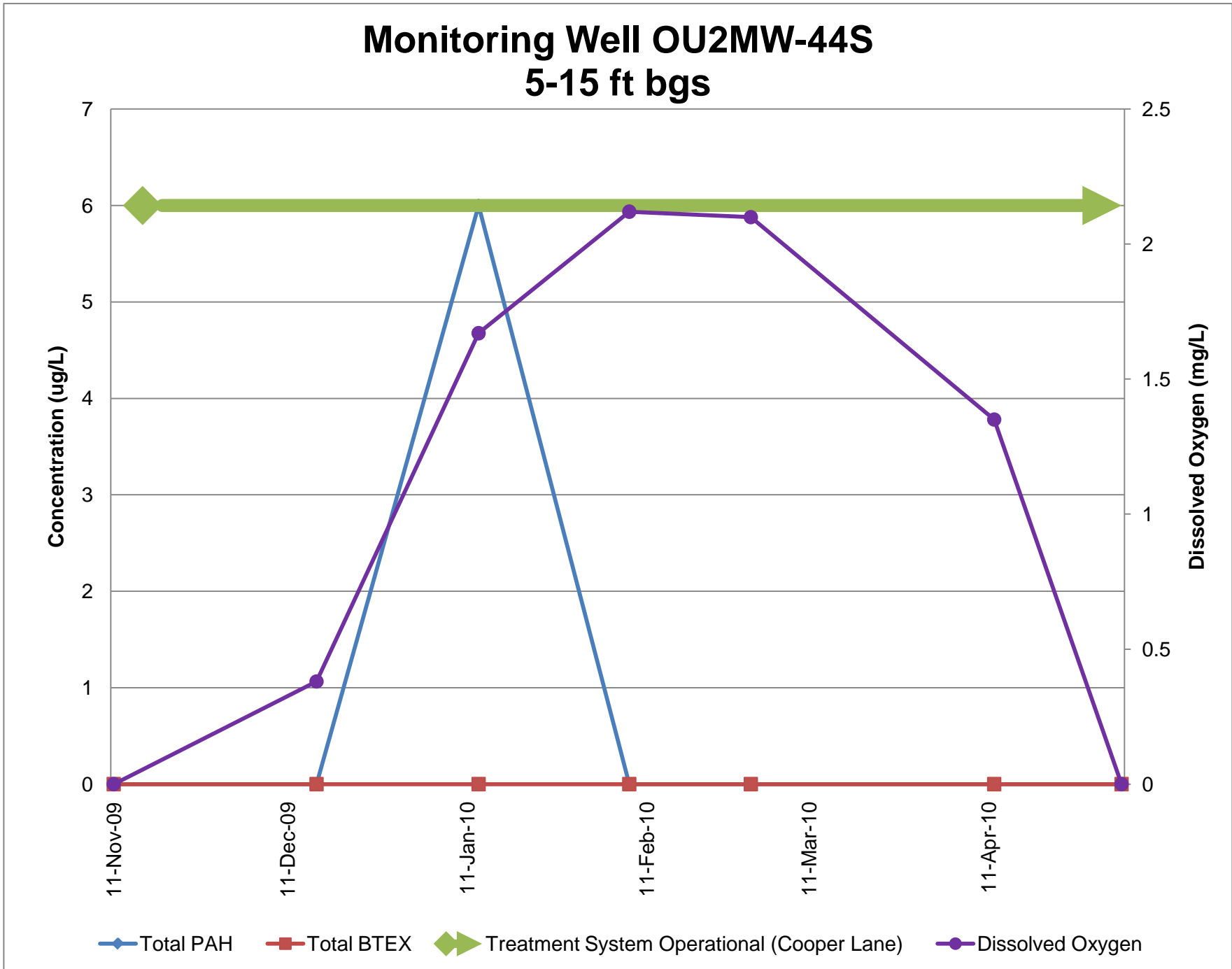


Monitoring Well OU2MW-43I2 45-50 ft bgs

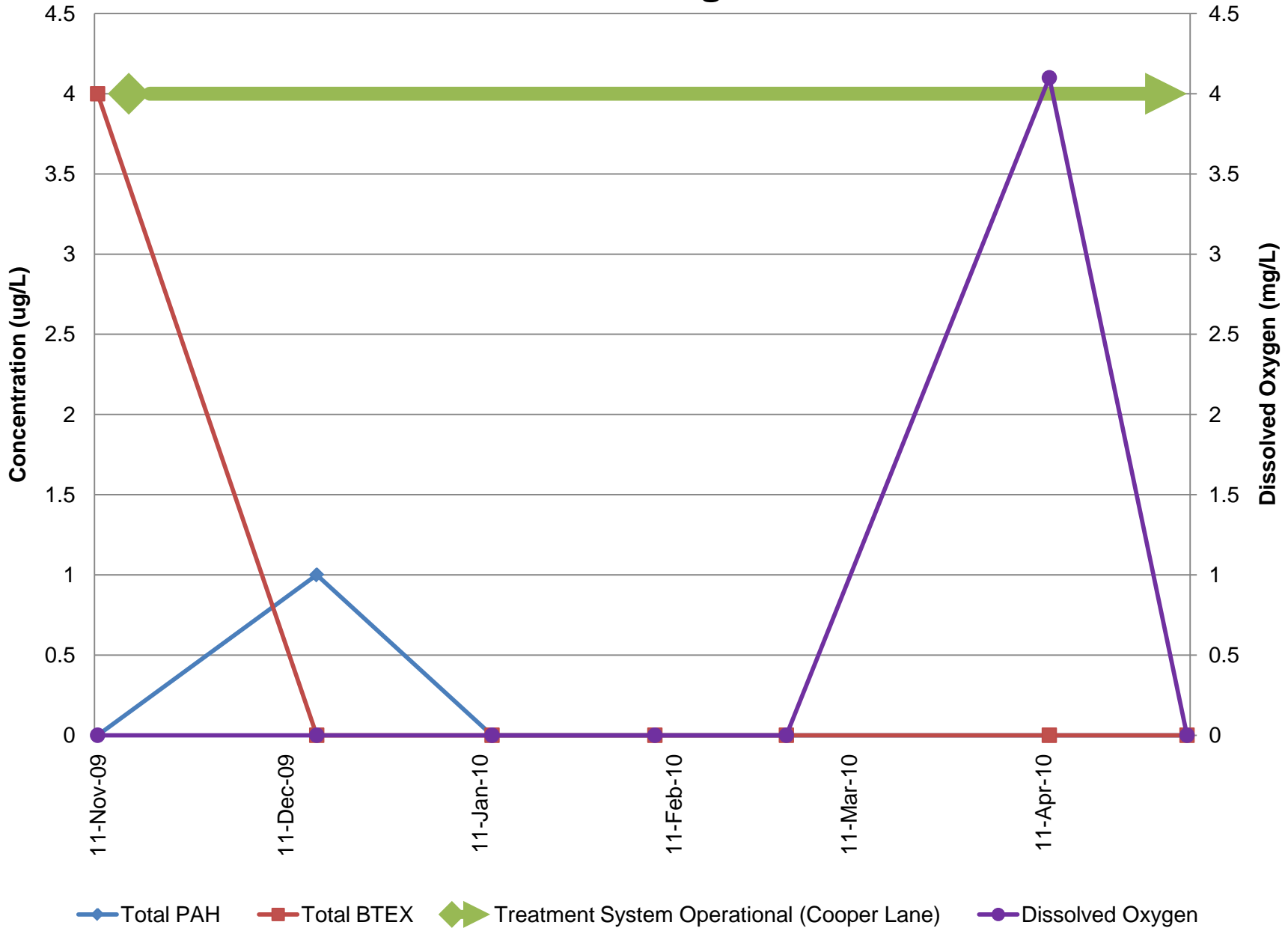


Monitoring Well OU2MW-43D 65-70 ft bgs

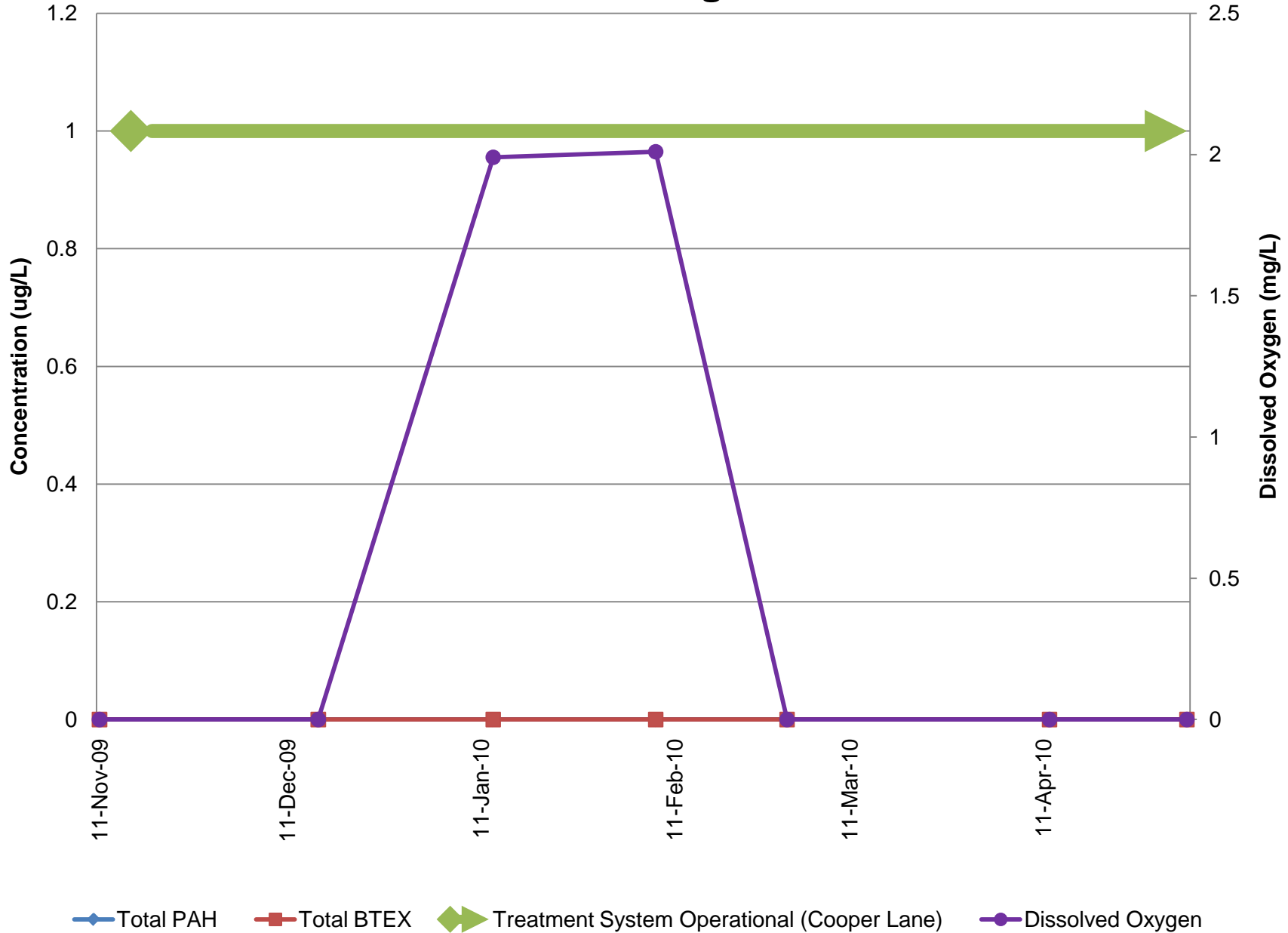




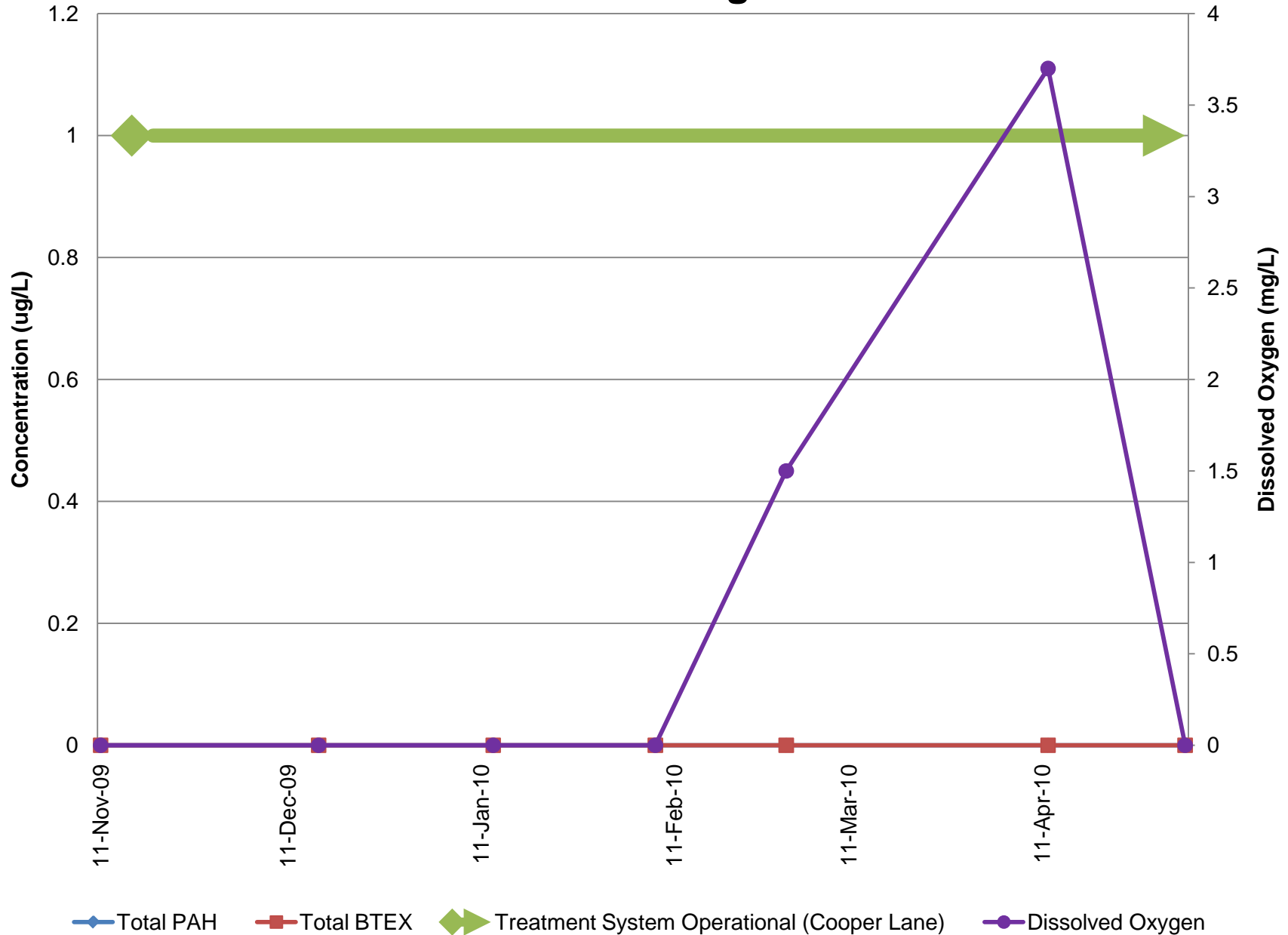
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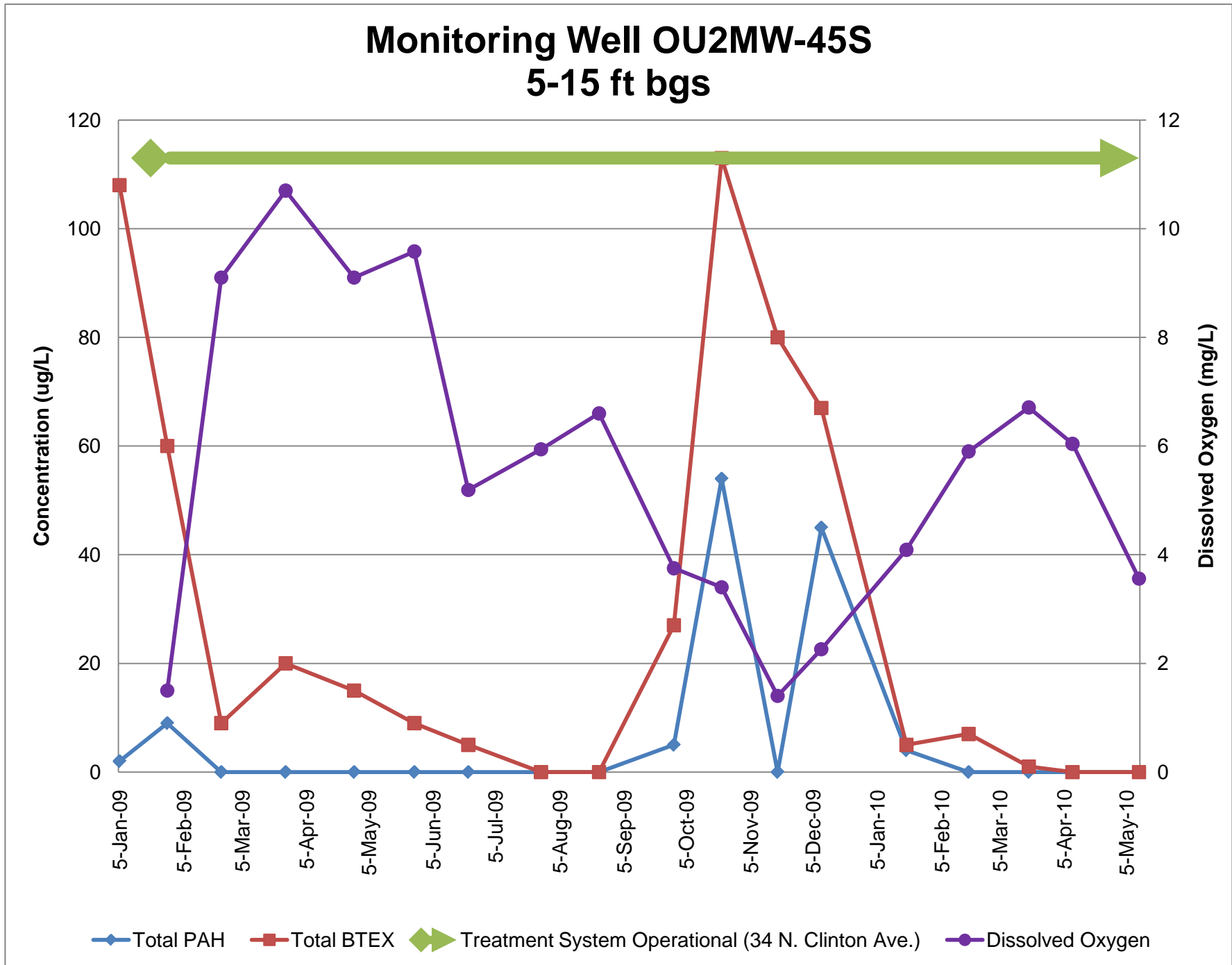


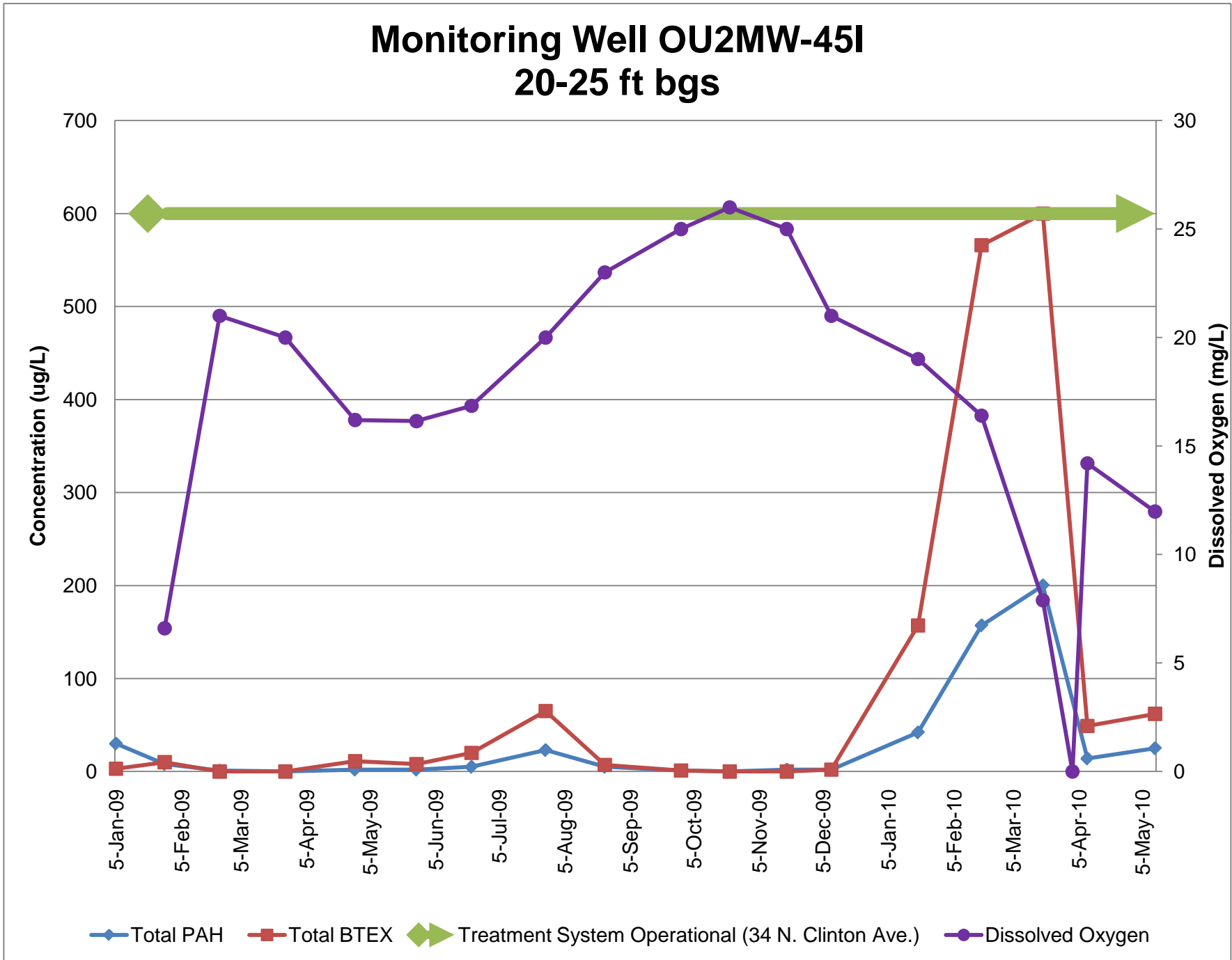
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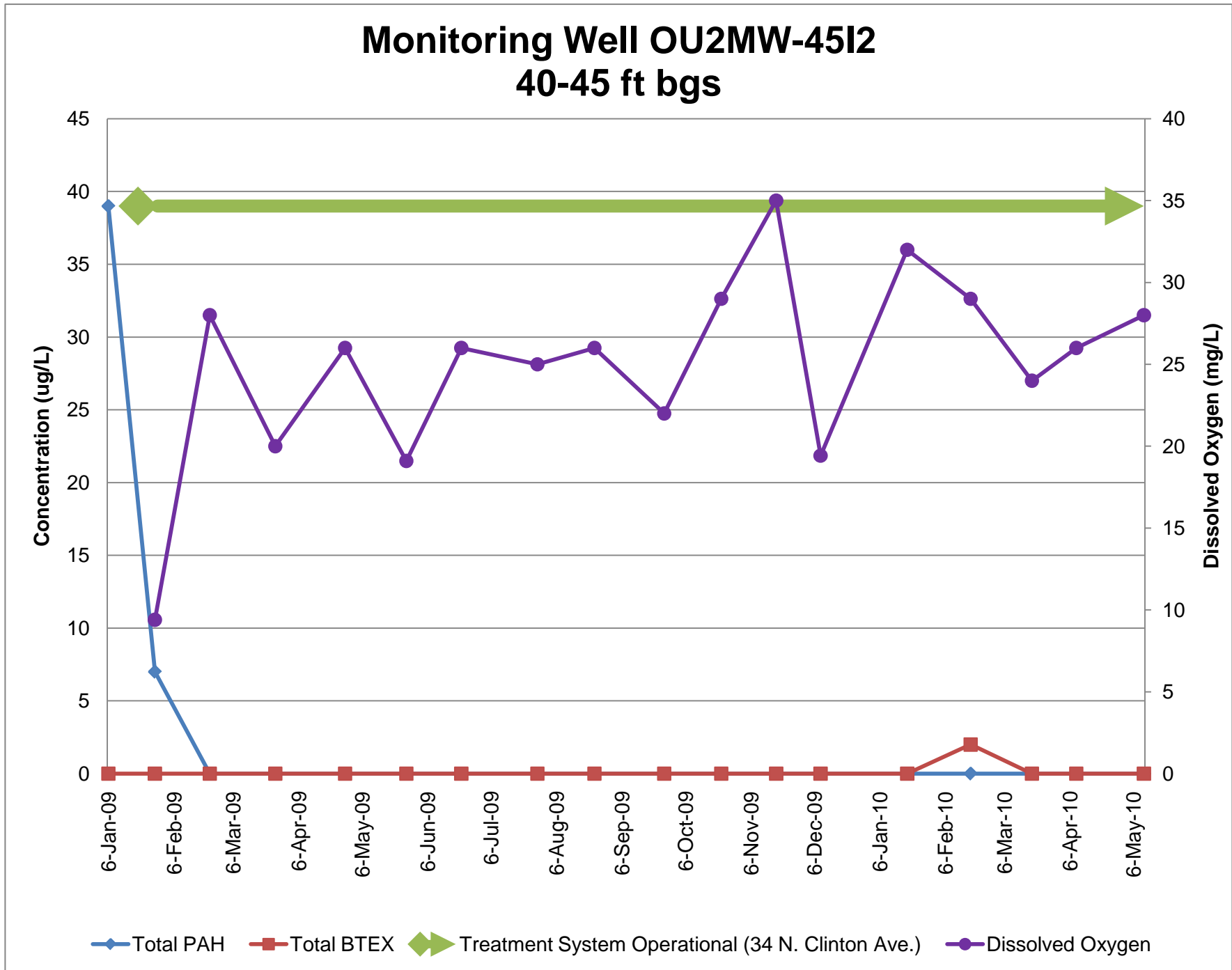


Monitoring Well OU2MW-44D 65-70 ft bgs

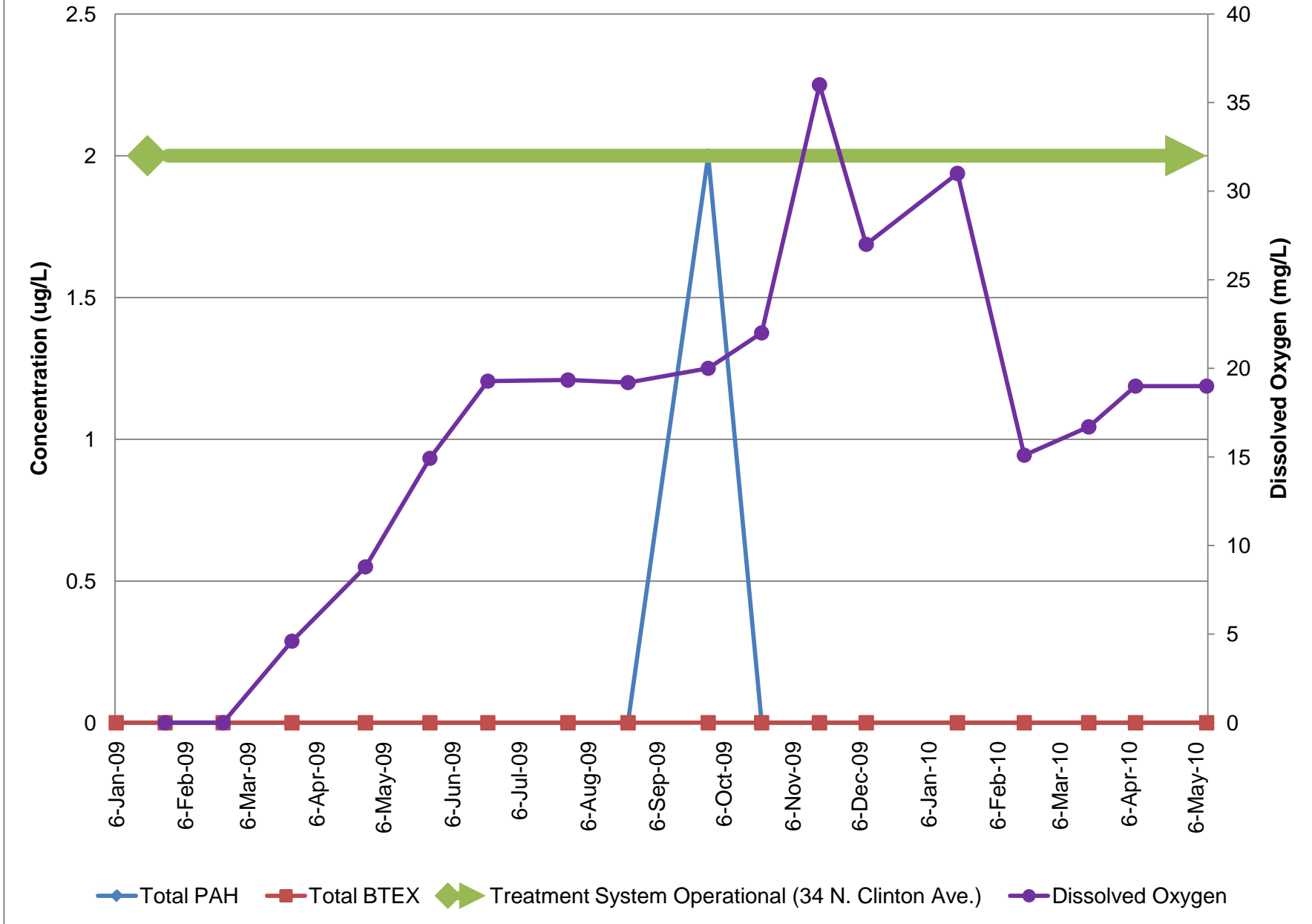




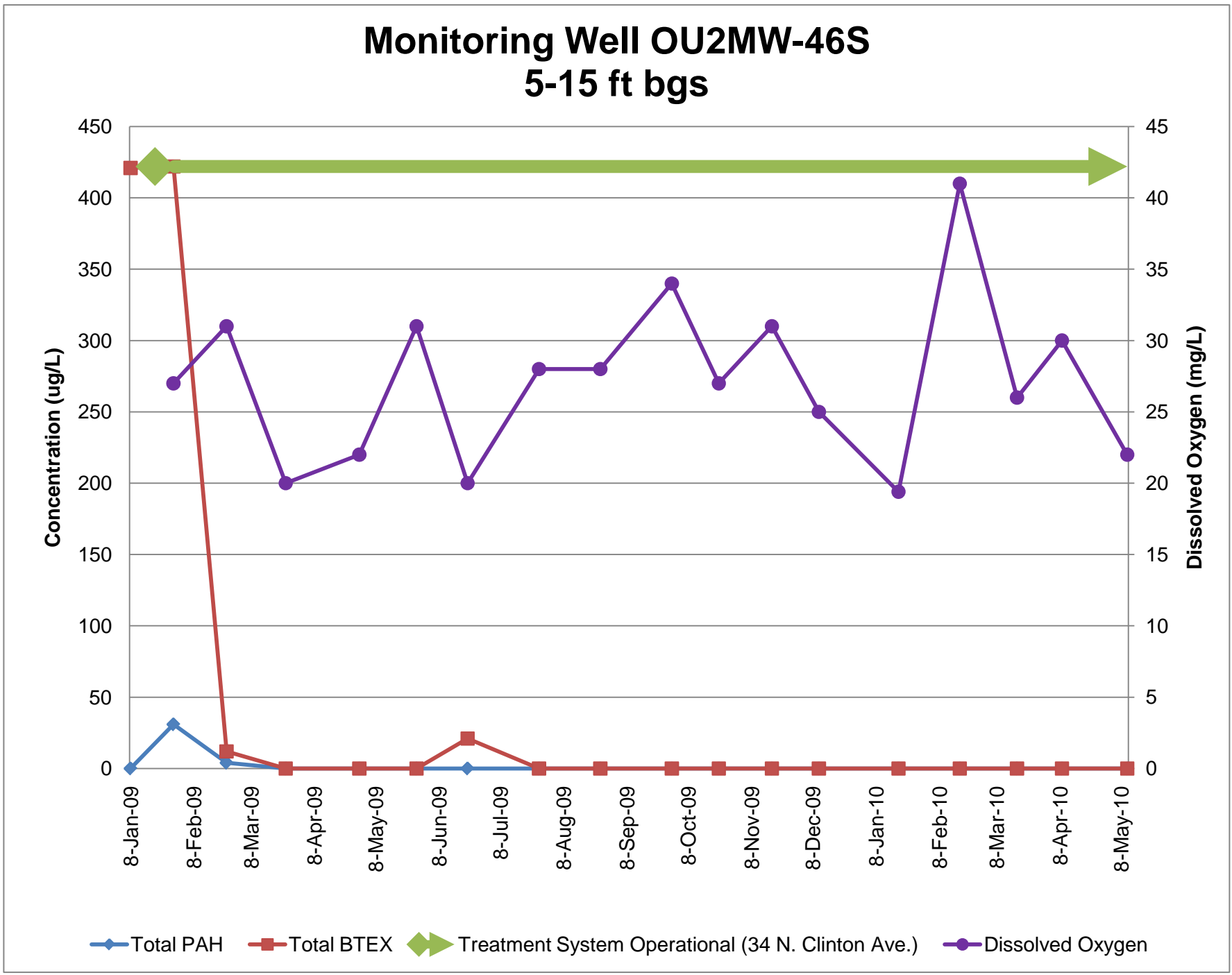


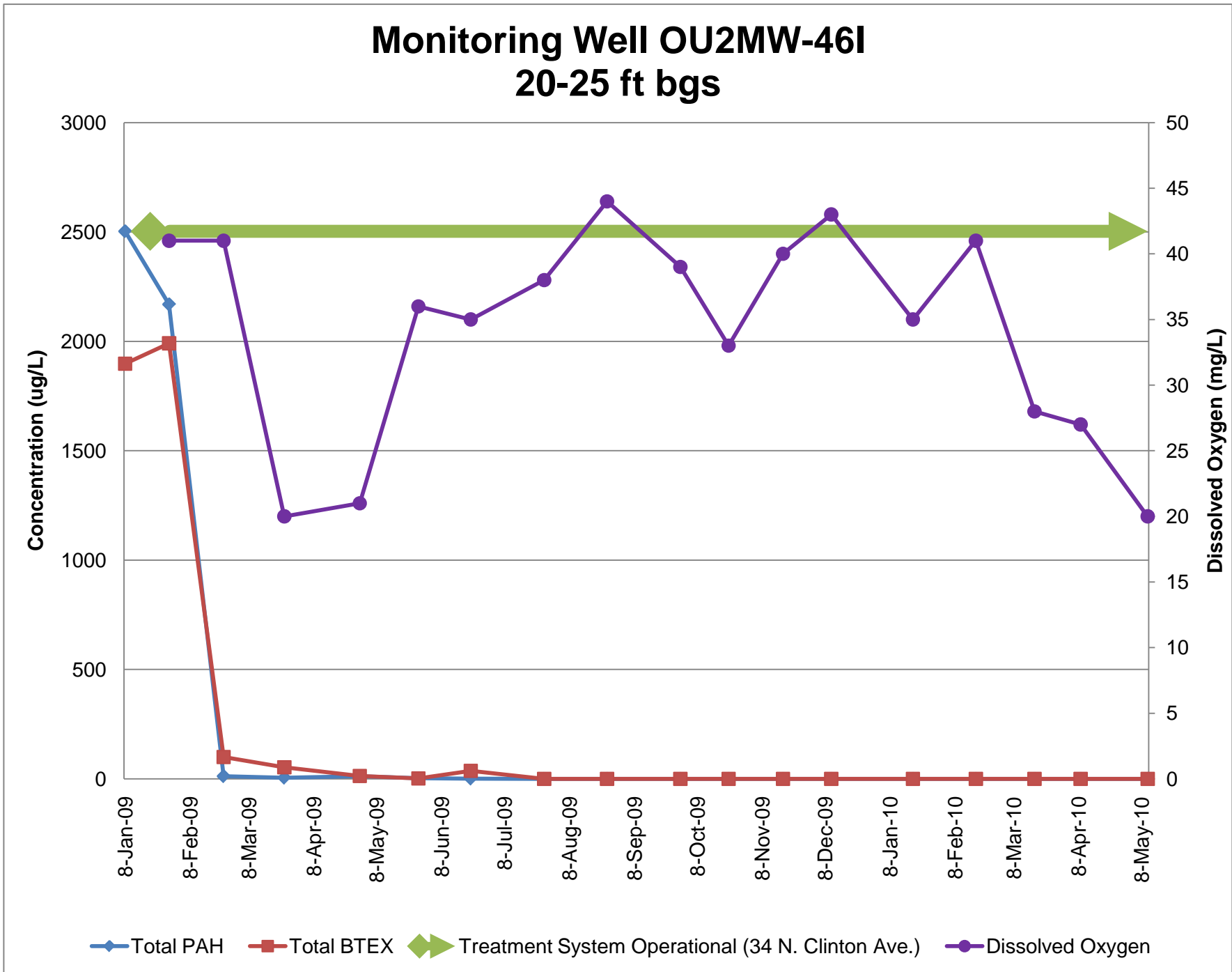


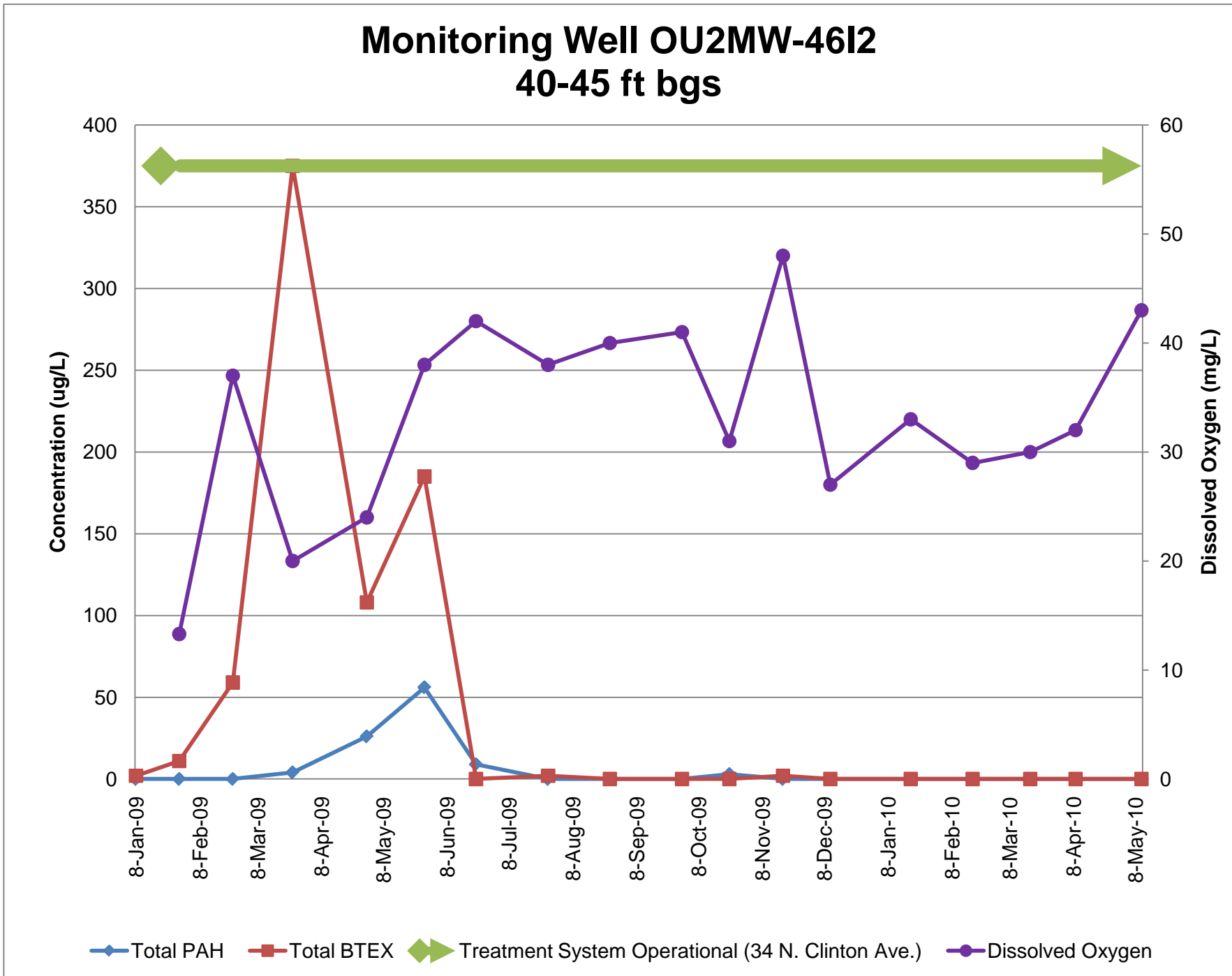
Monitoring Well OU2MW-45D 55-60 ft bgs

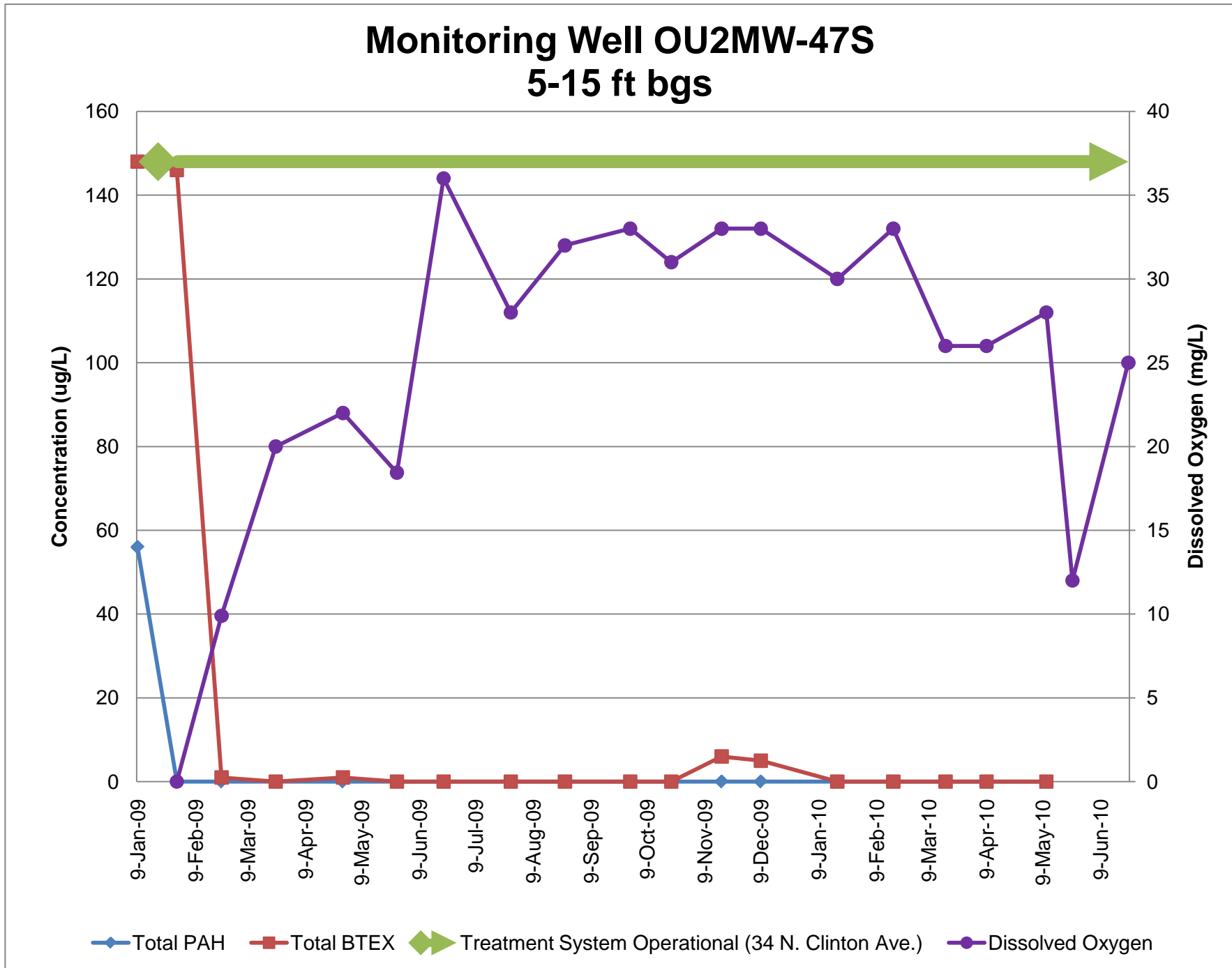


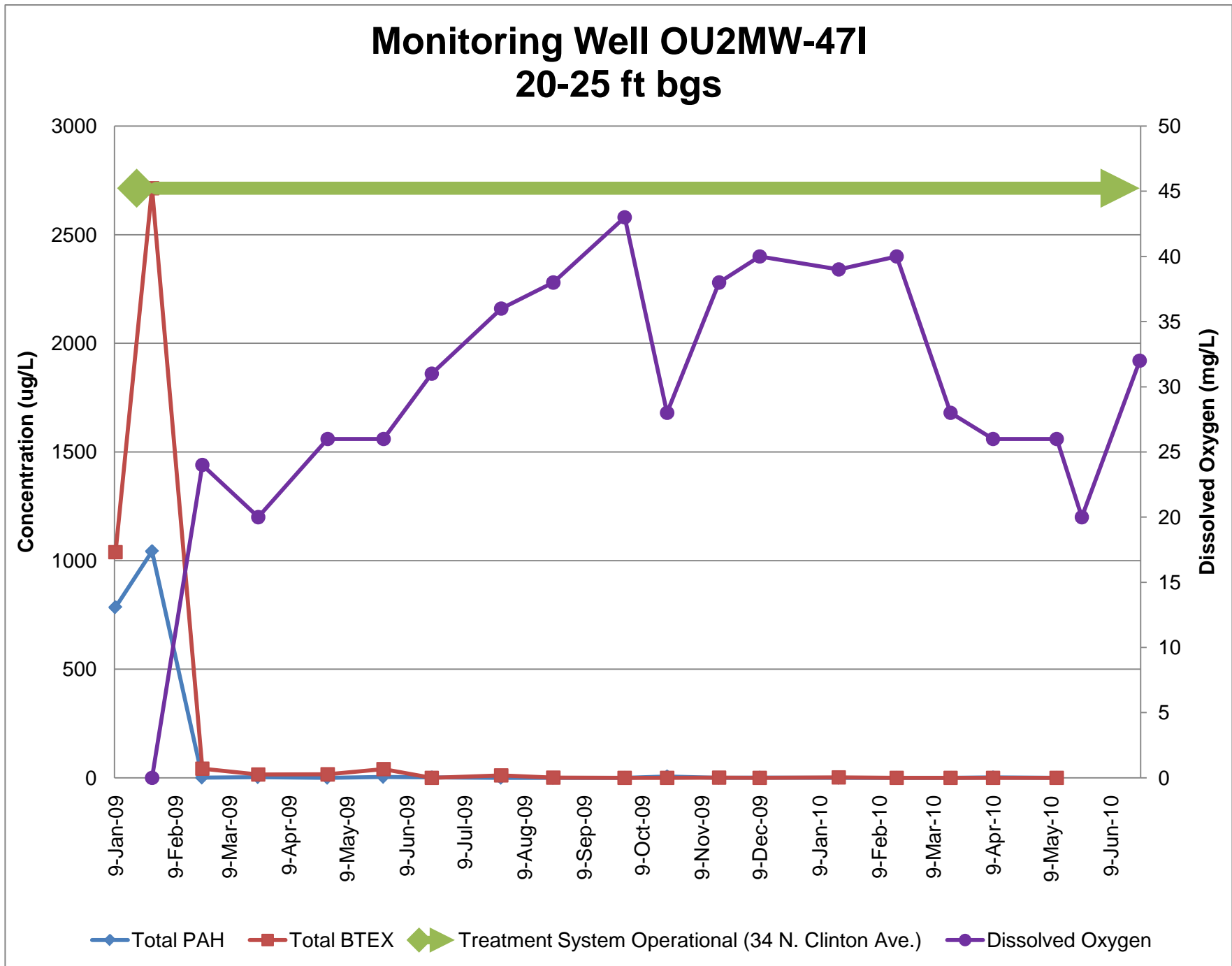
Monitoring Well OU2MW-46S 5-15 ft bgs

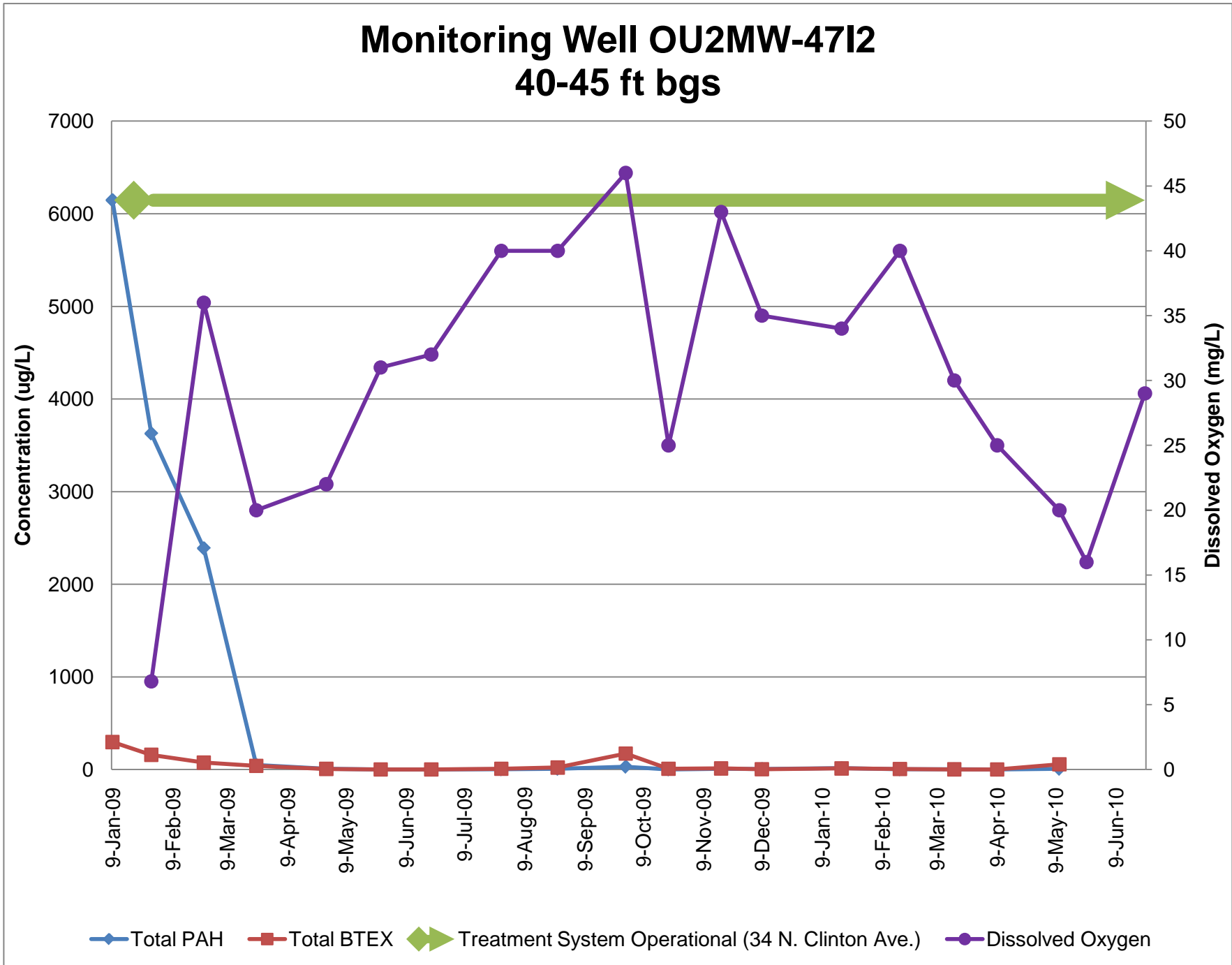


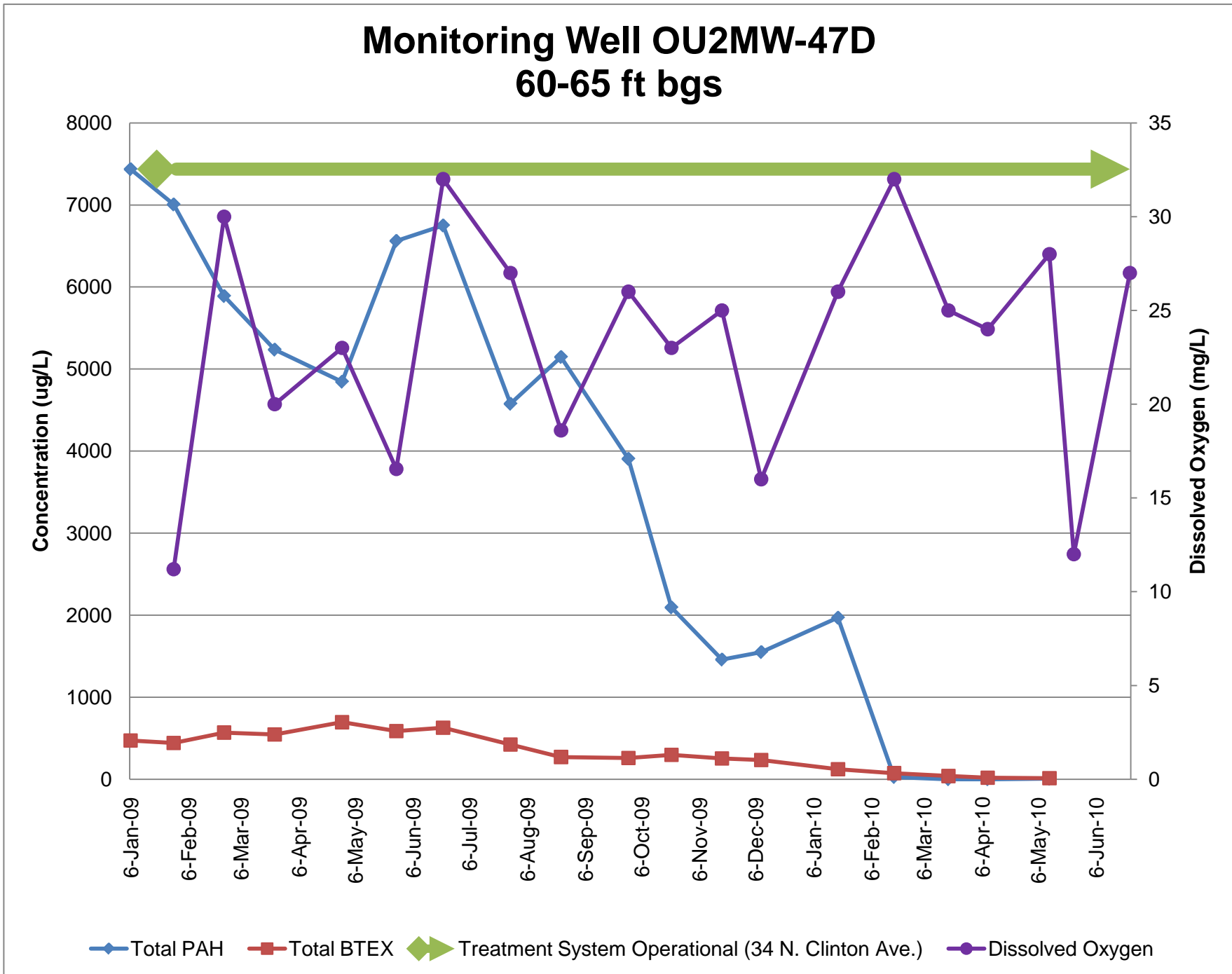




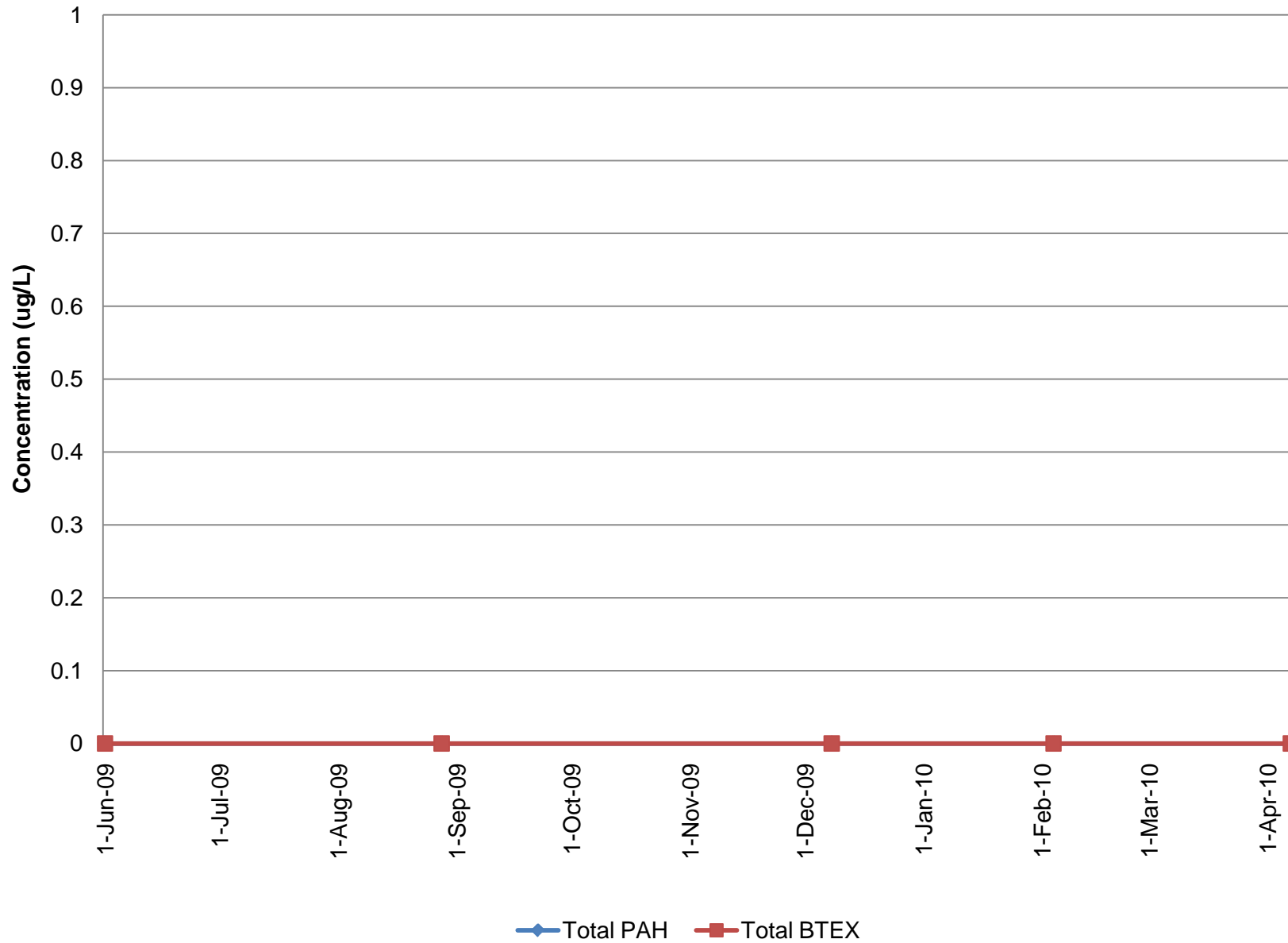


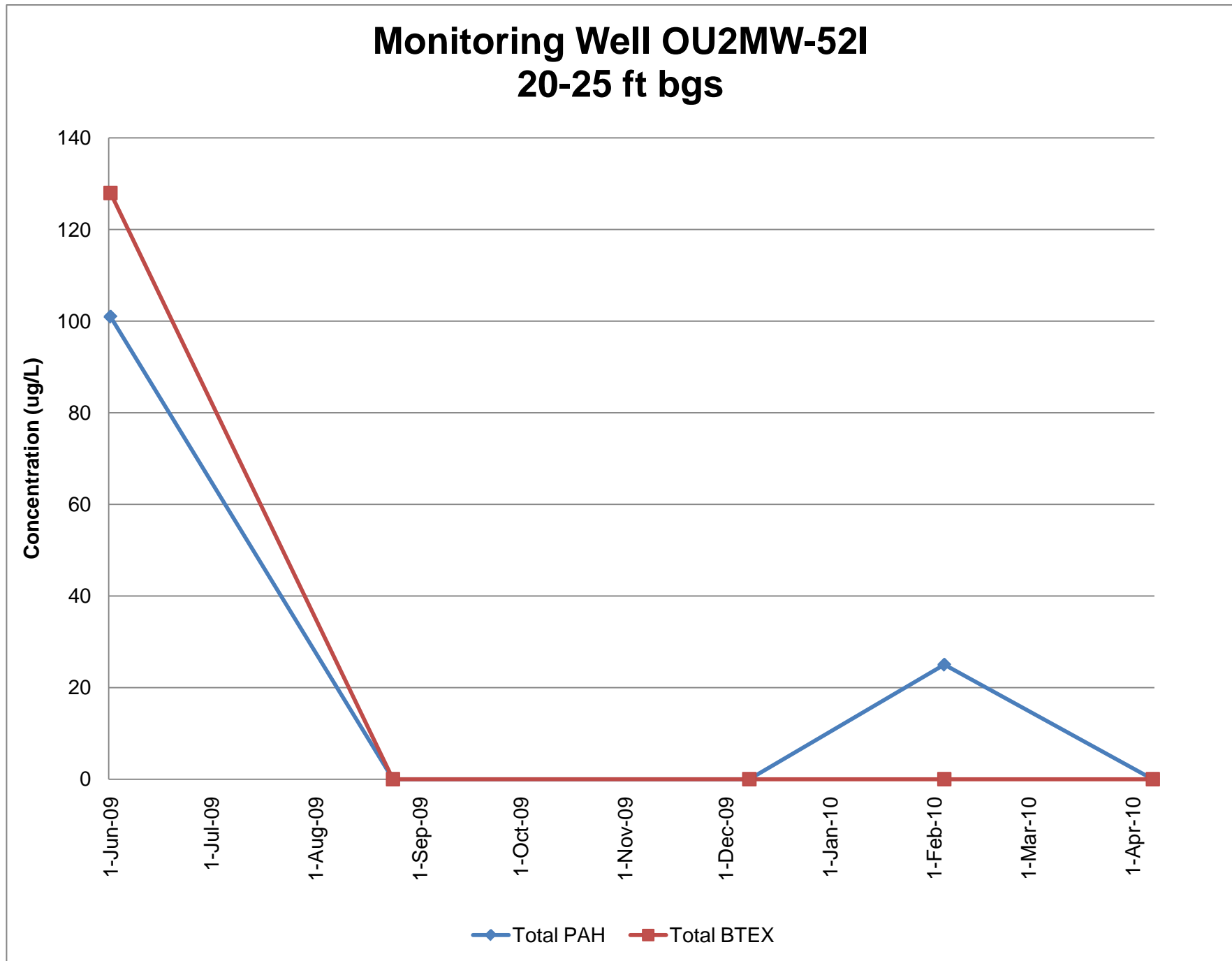




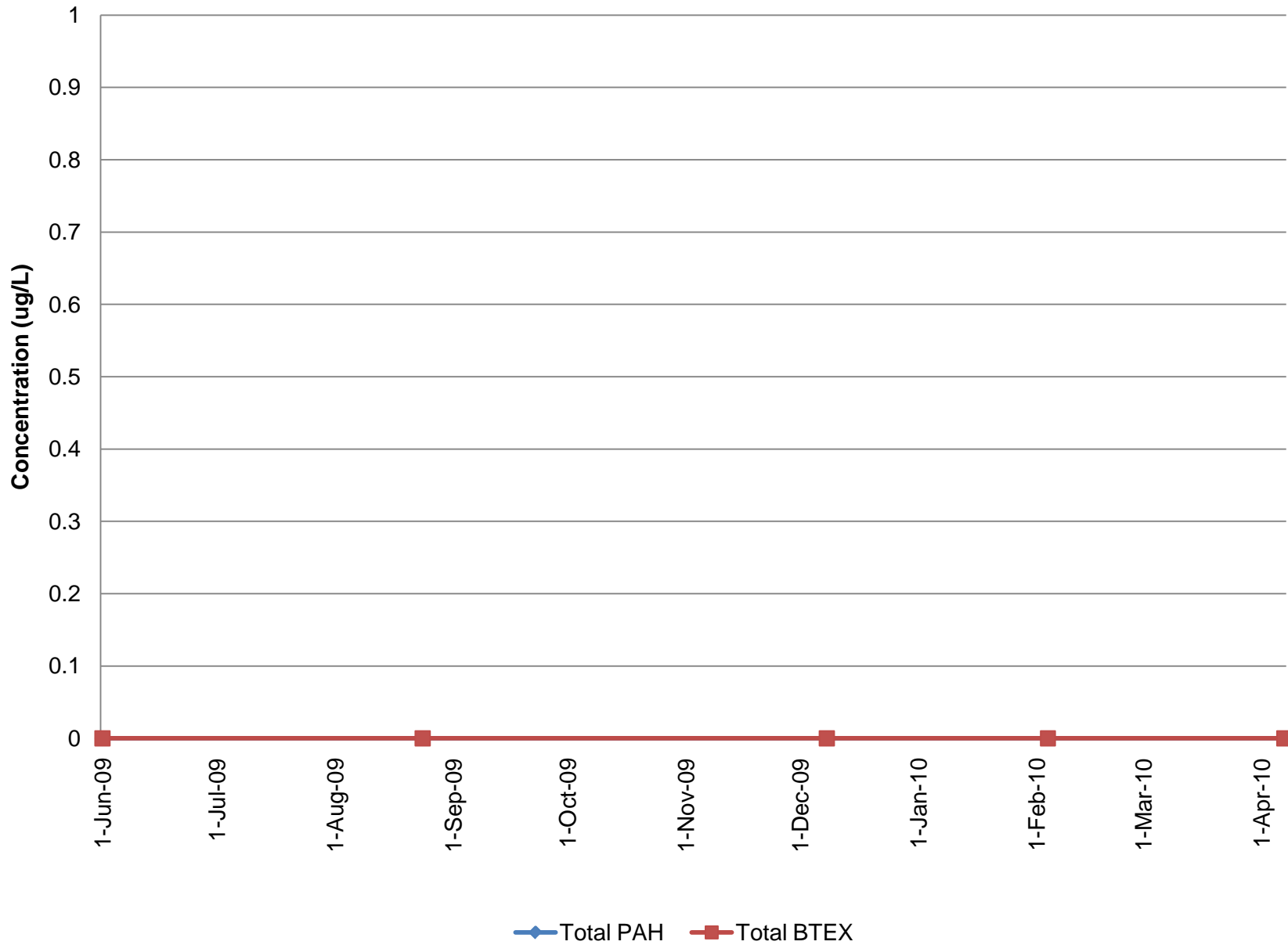


Monitoring Well OU2MW-52S 3-8 ft bgs

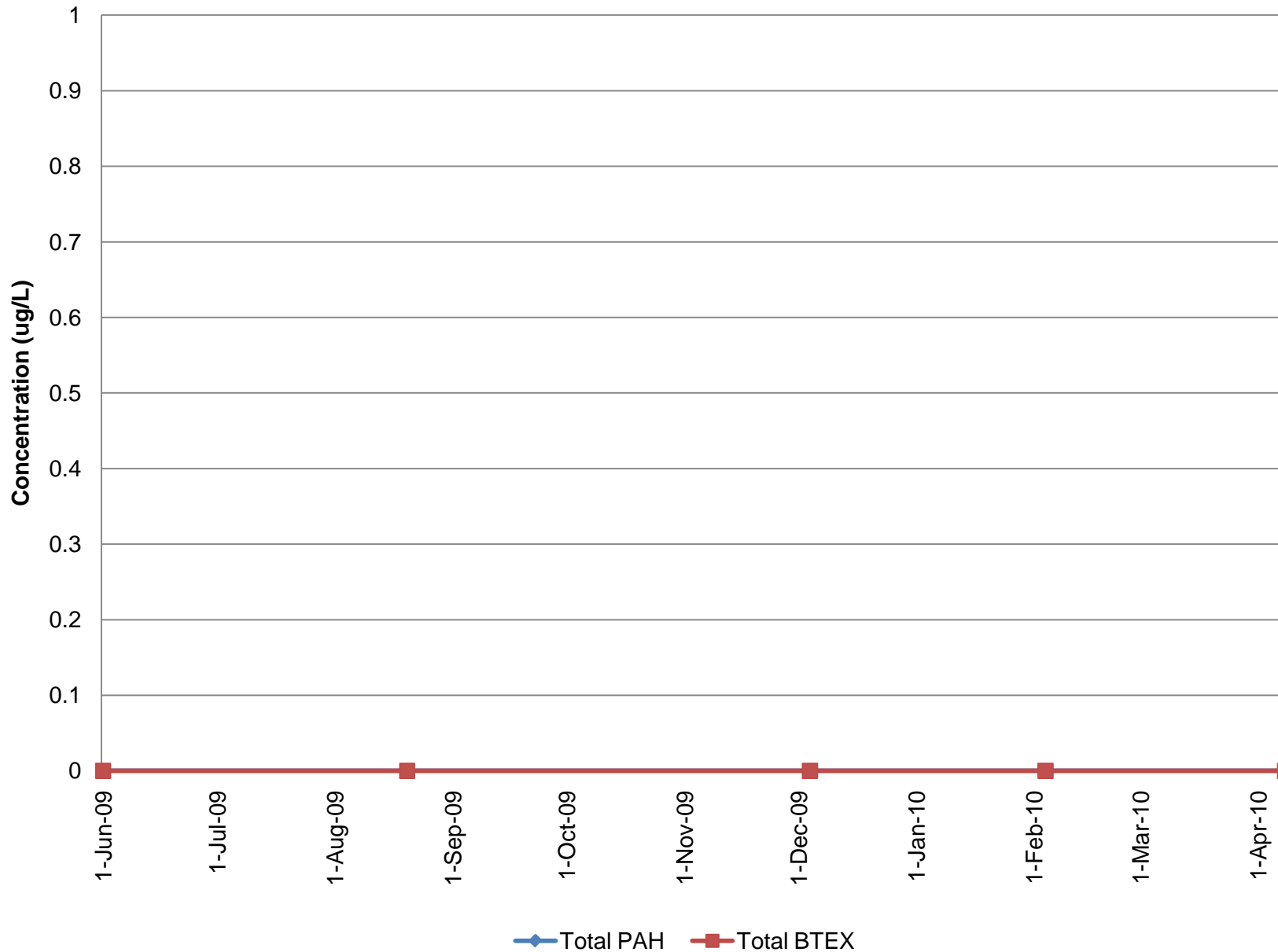




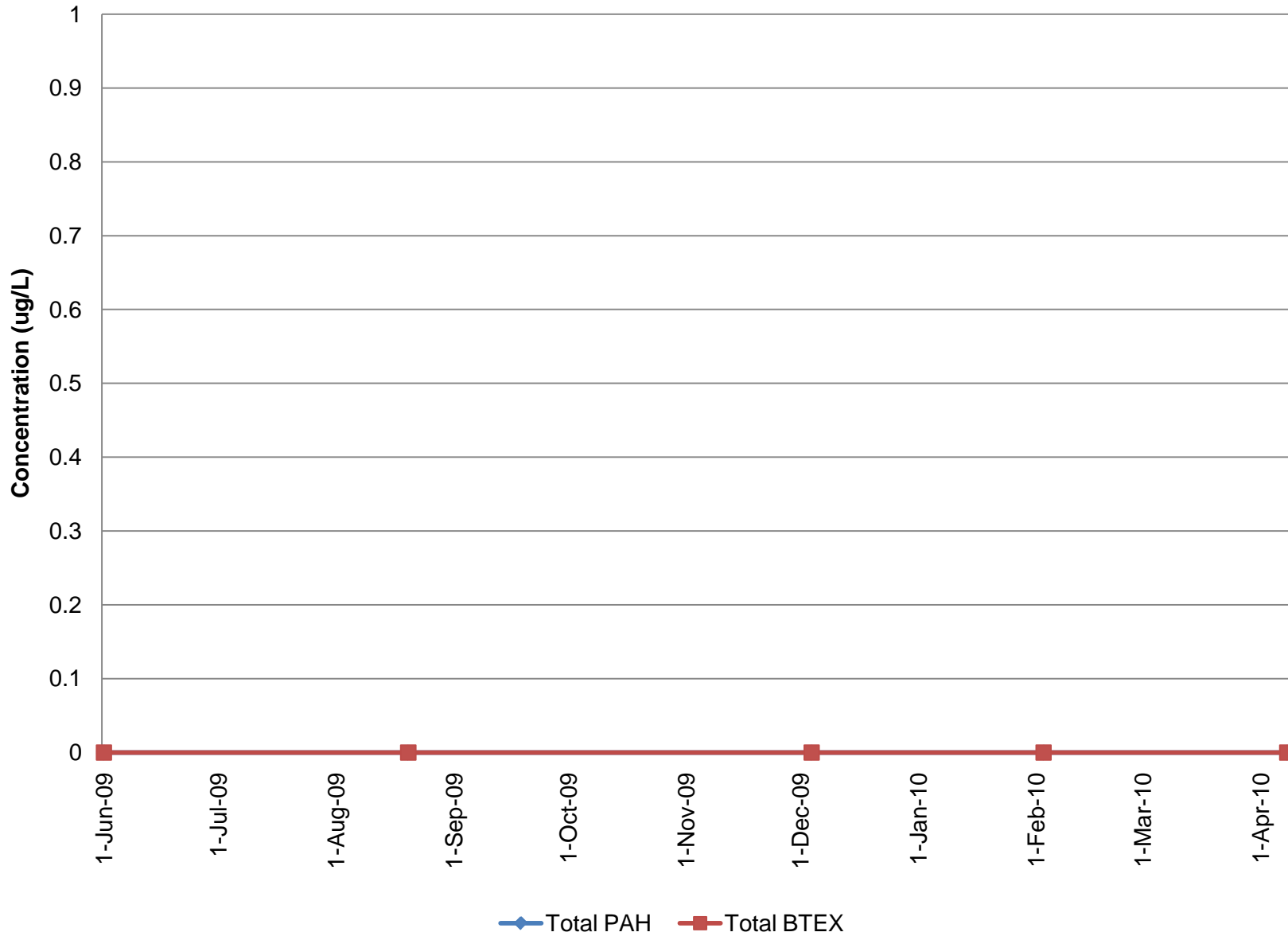
Monitoring Well OU2MW-52D 35-40 ft bgs



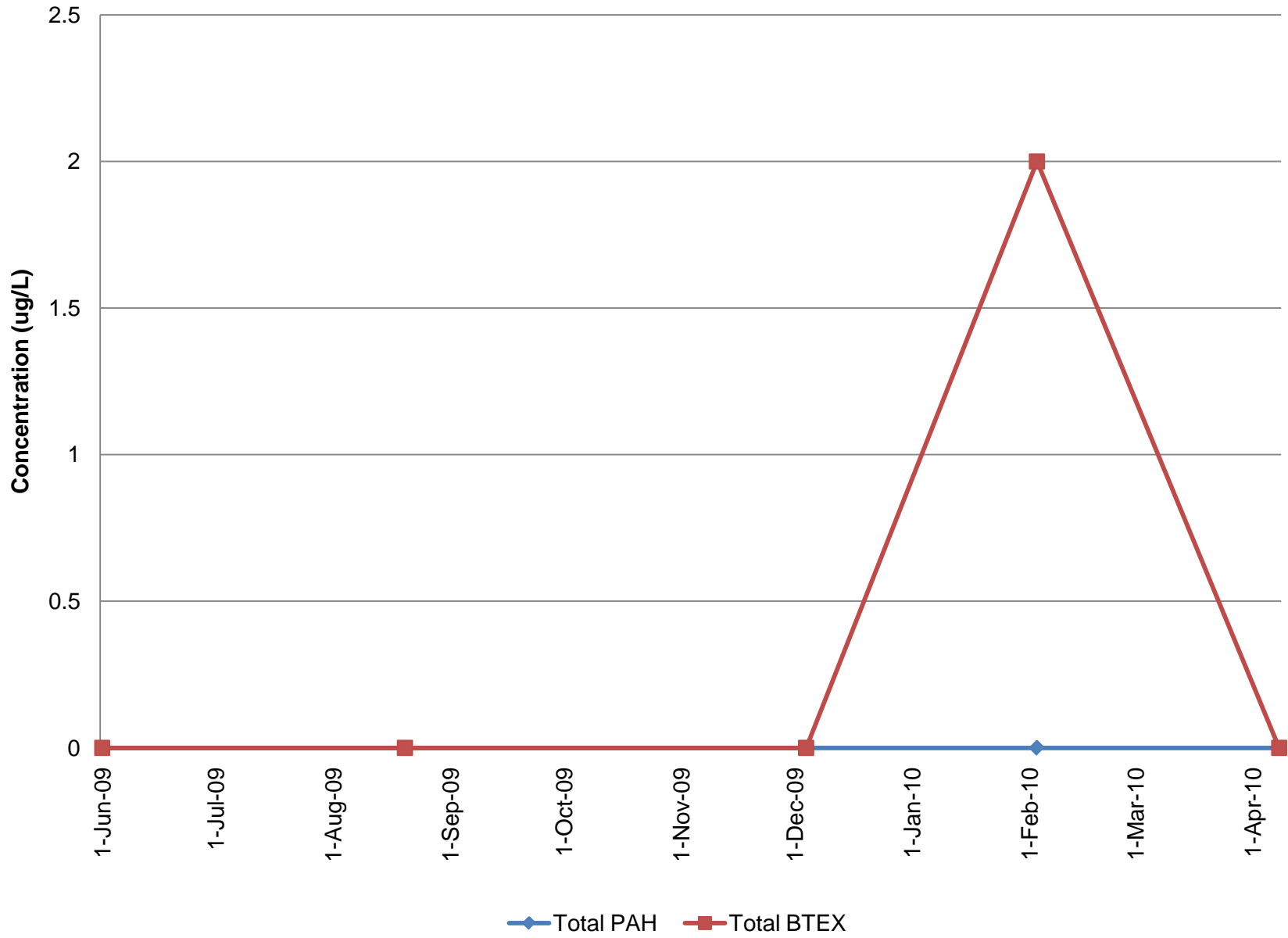
Monitoring Well OU2MW-53S 3-8 ft bgs

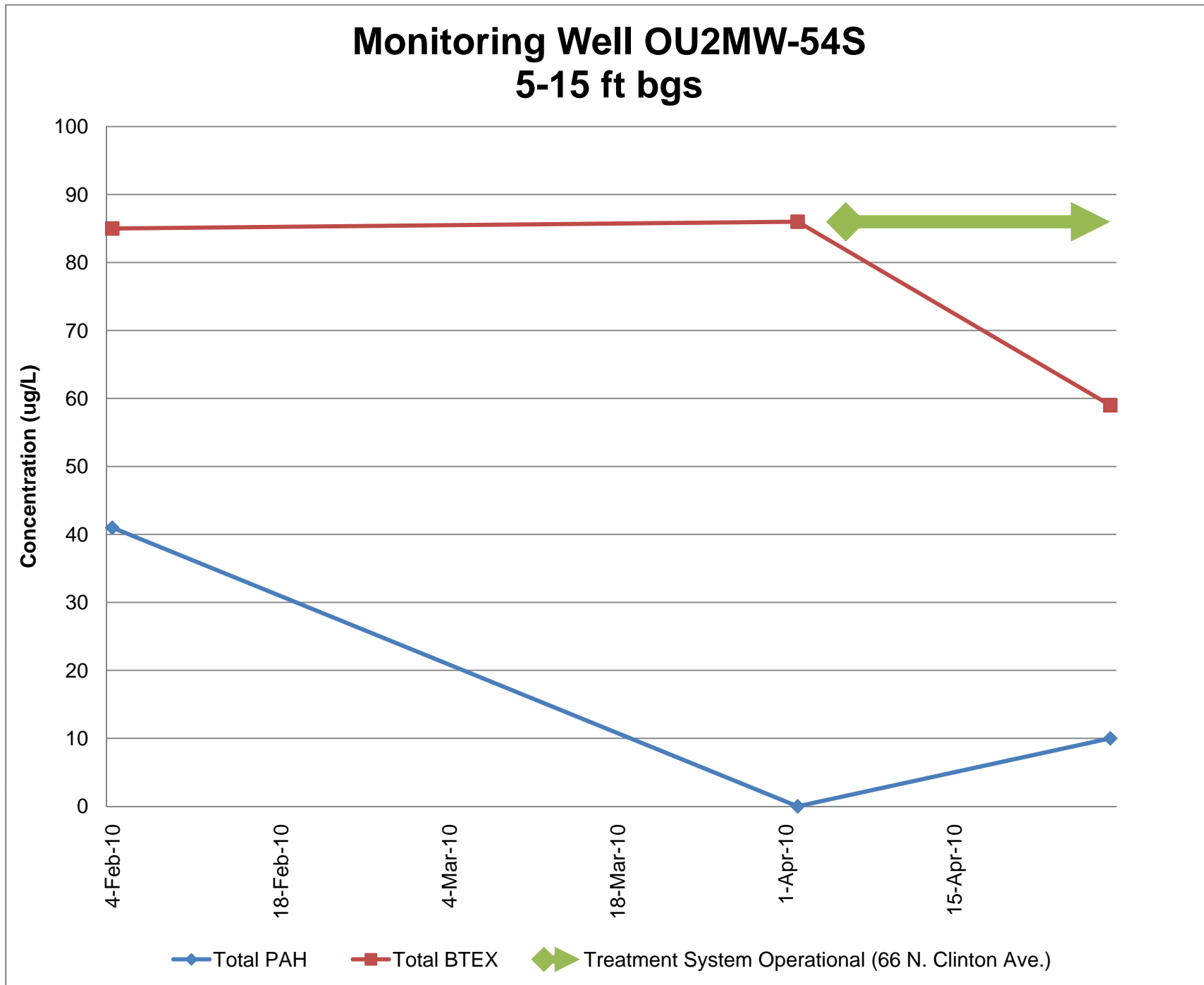


Monitoring Well OU2MW-53I 20-25 ft bgs

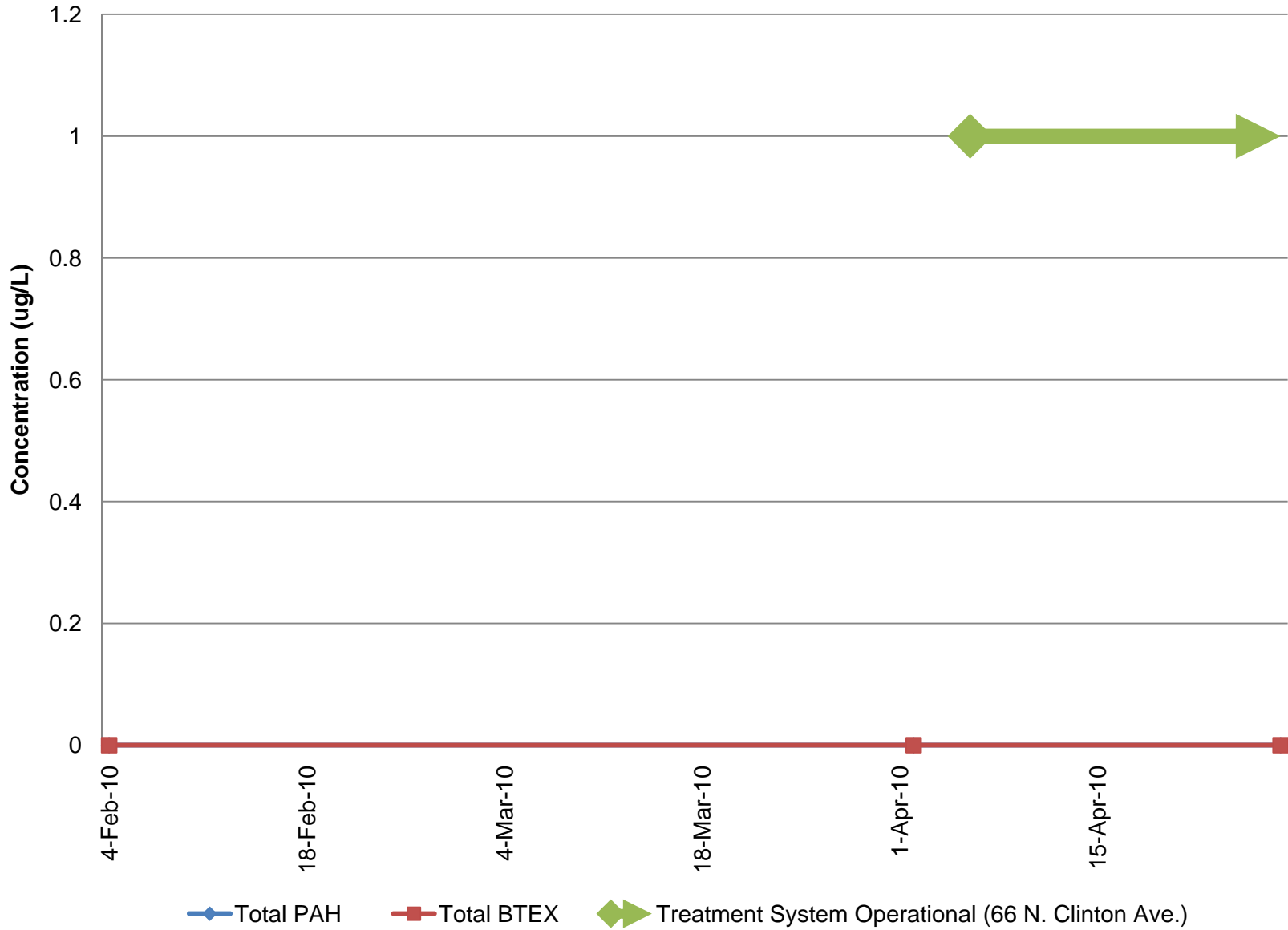


Monitoring Well OU2MW-53D 35-40 ft bgs

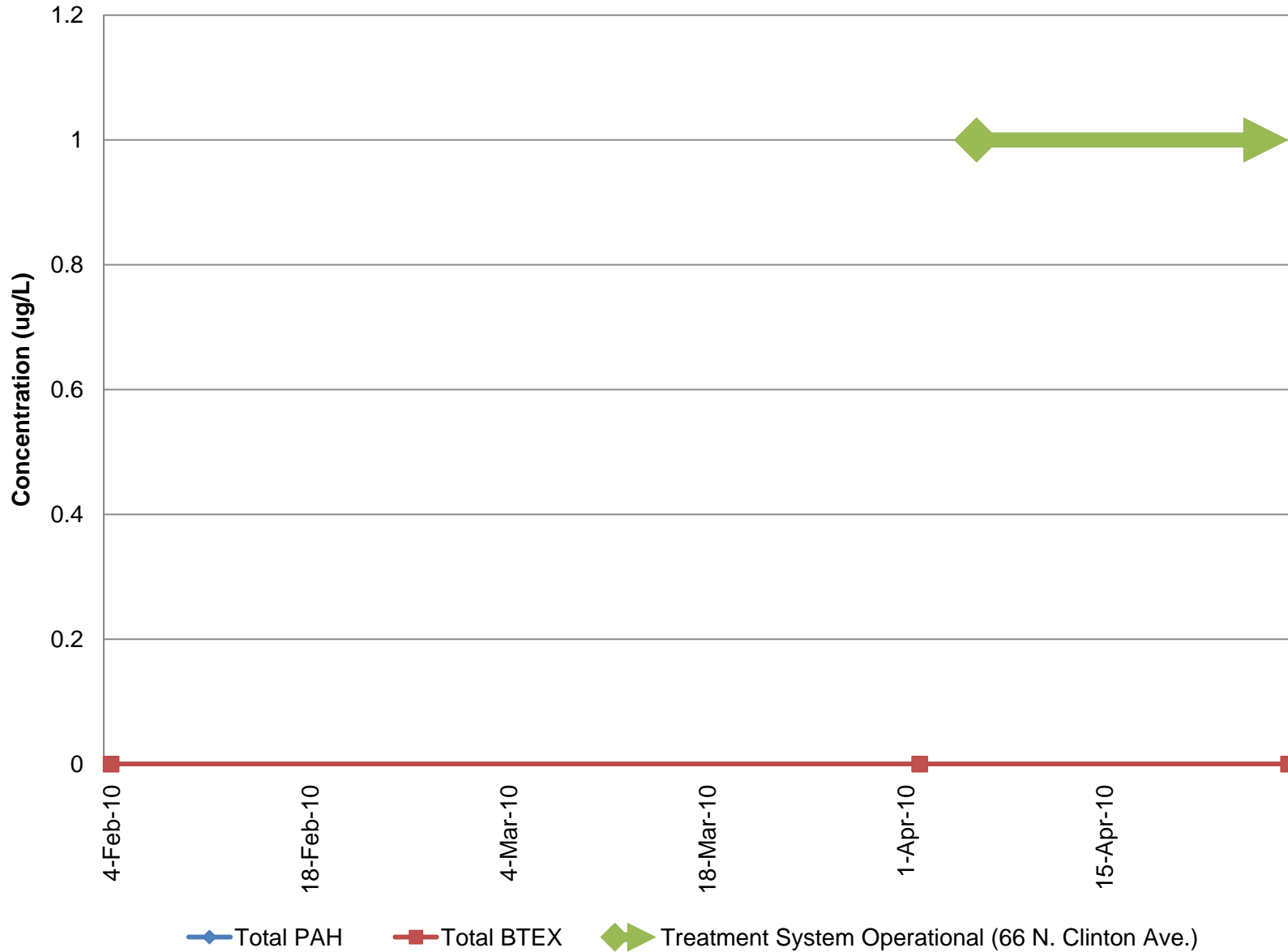




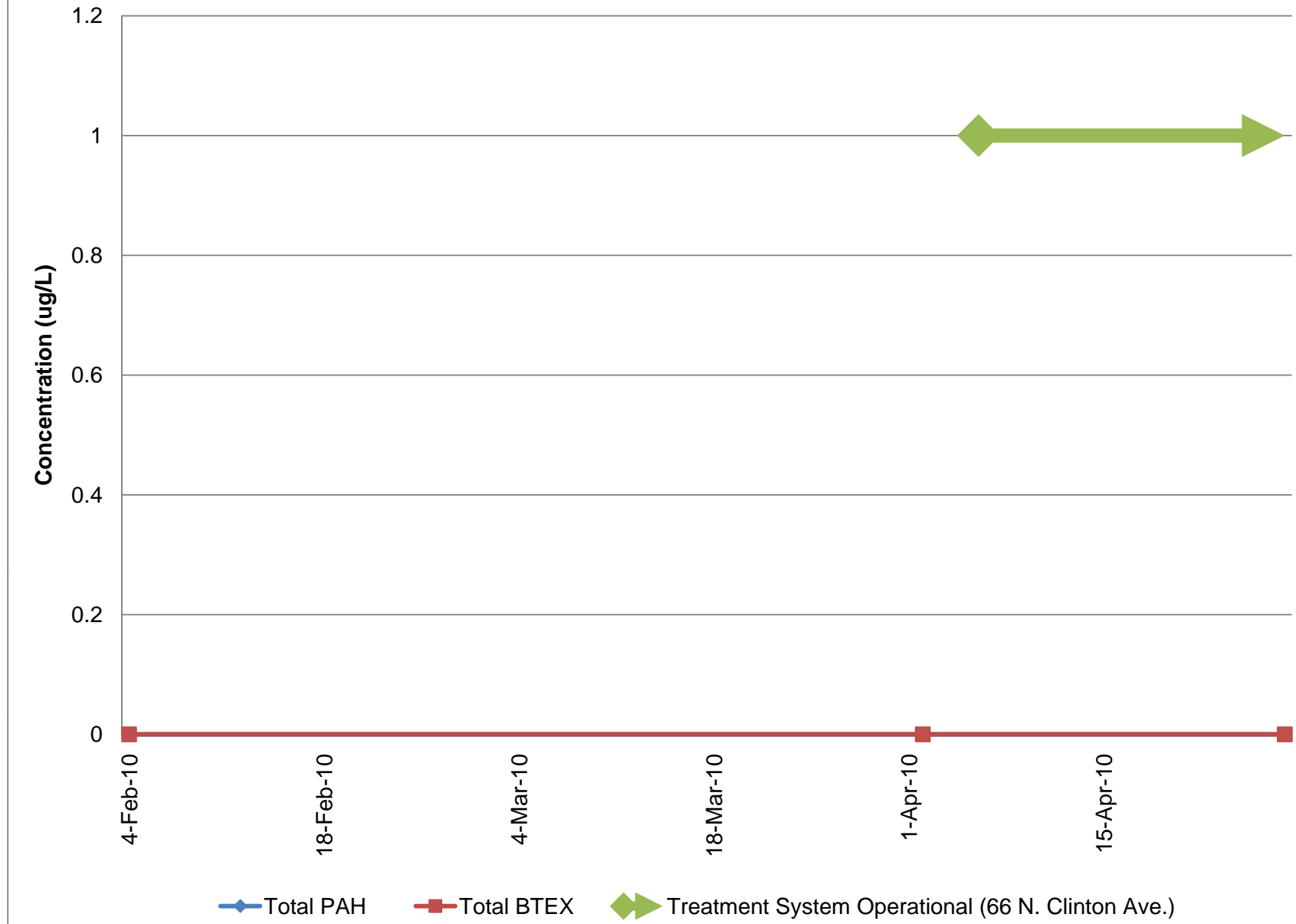
Monitoring Well OU2MW-54I 25-30 ft bgs



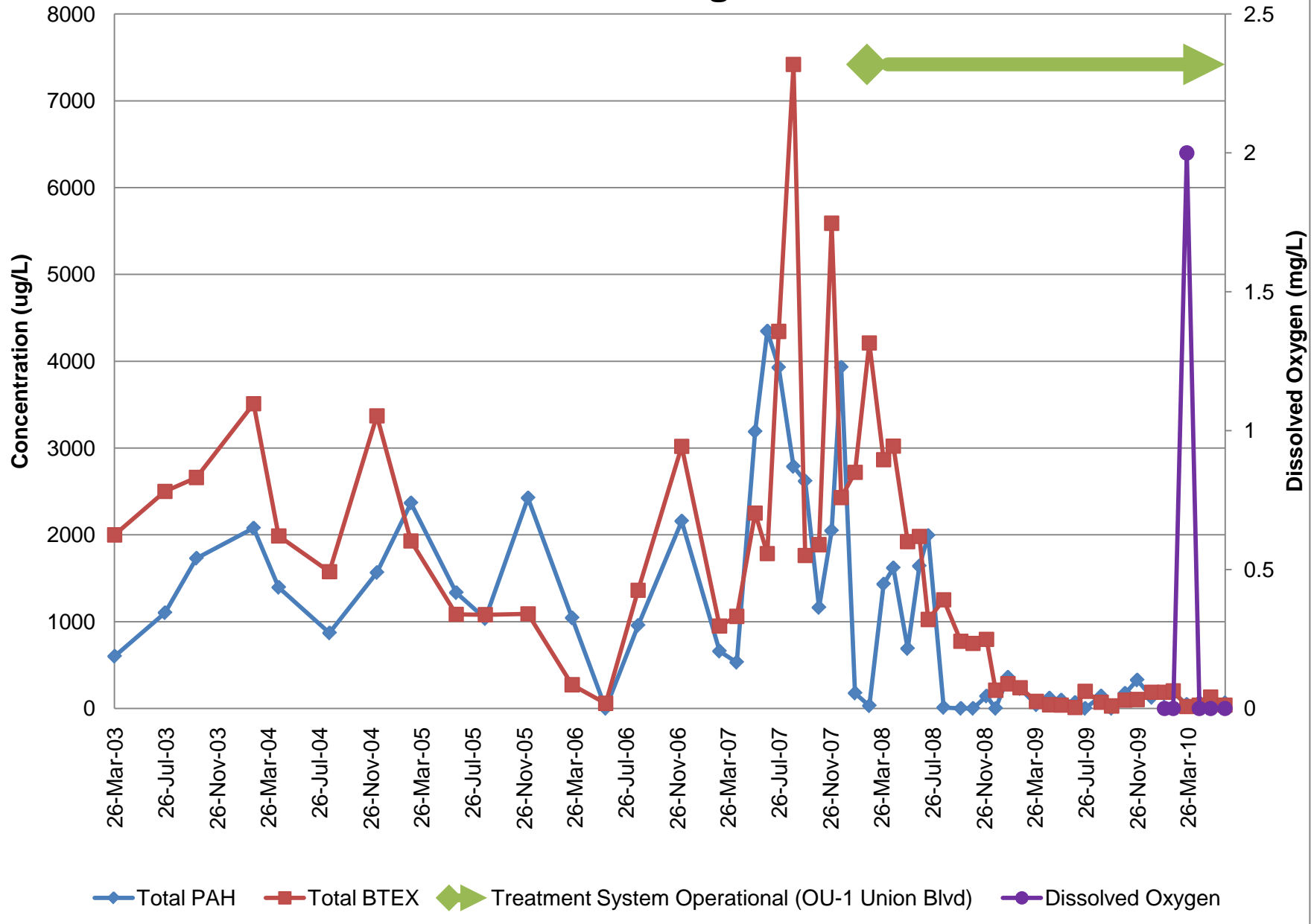
Monitoring Well OU2MW-54I2 40-45 ft bgs

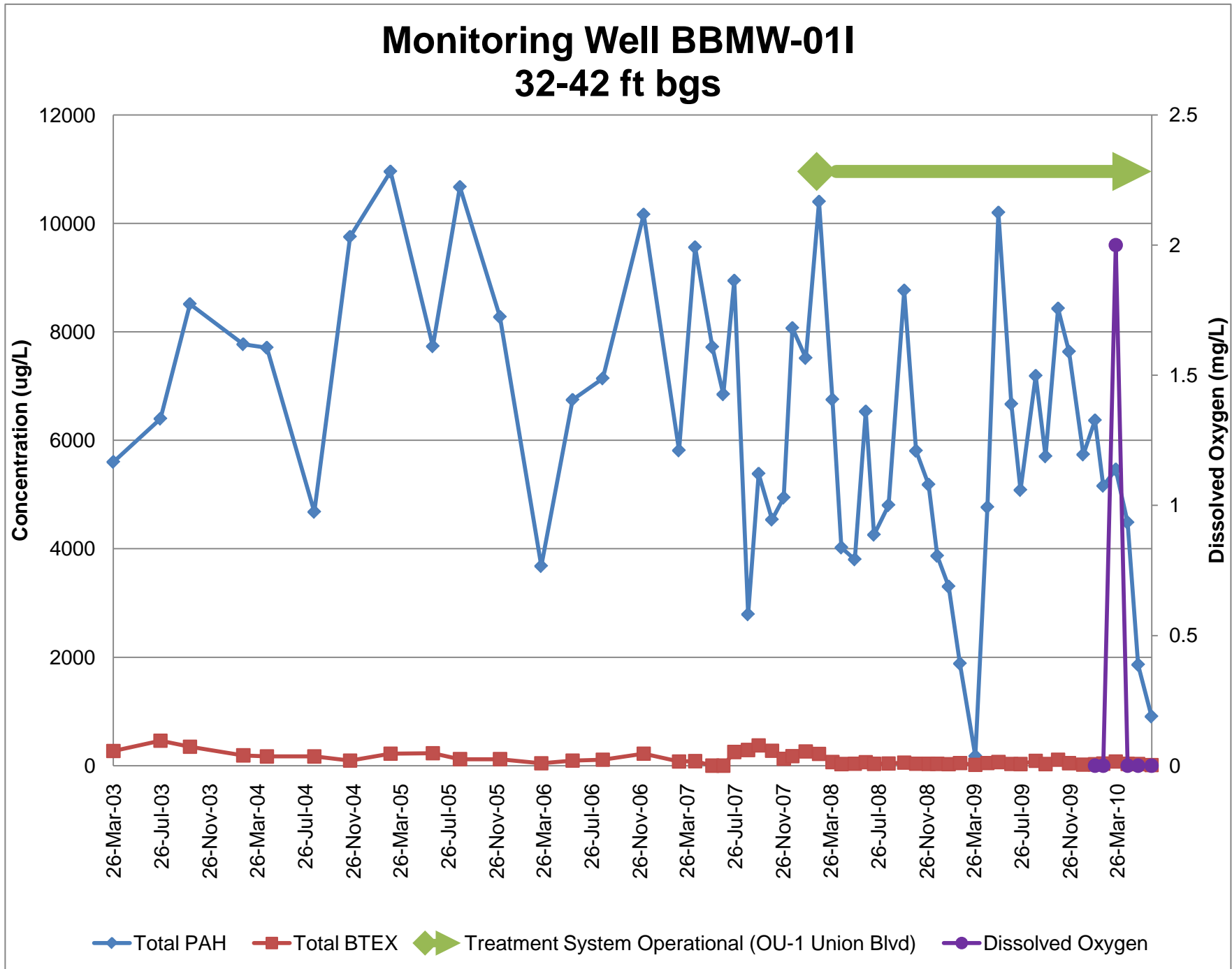


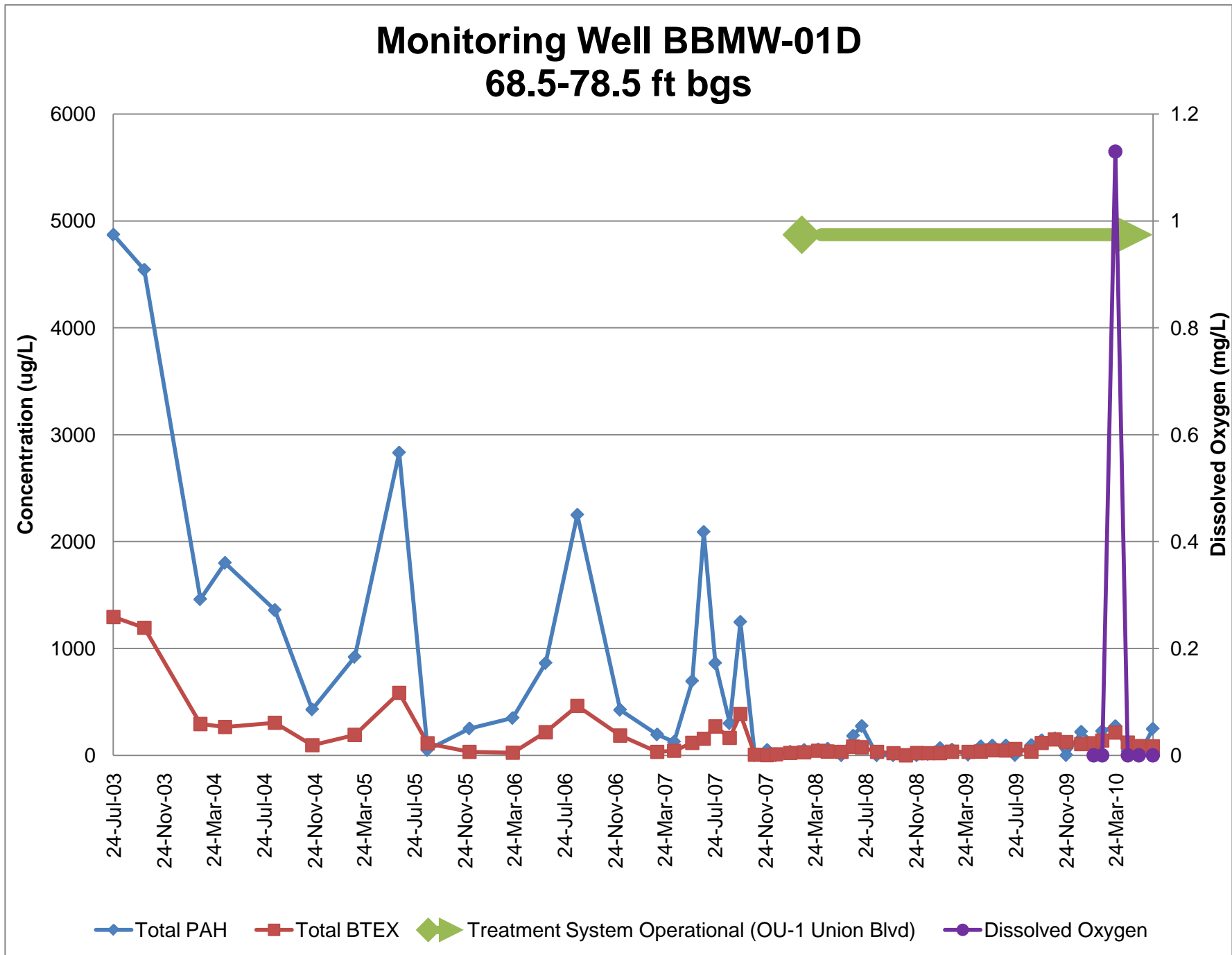
Monitoring Well OU2MW-54D 60-65 ft bgs

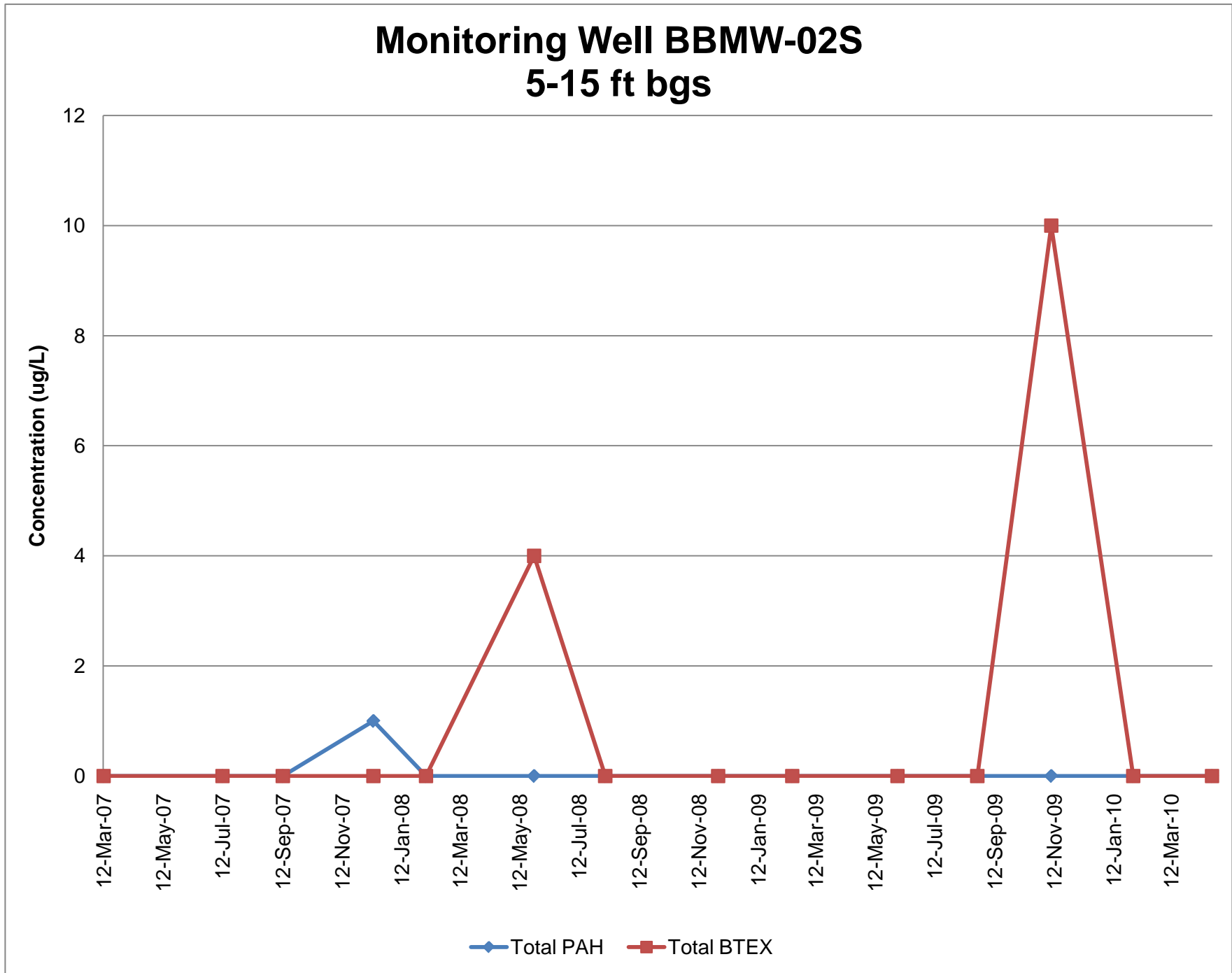


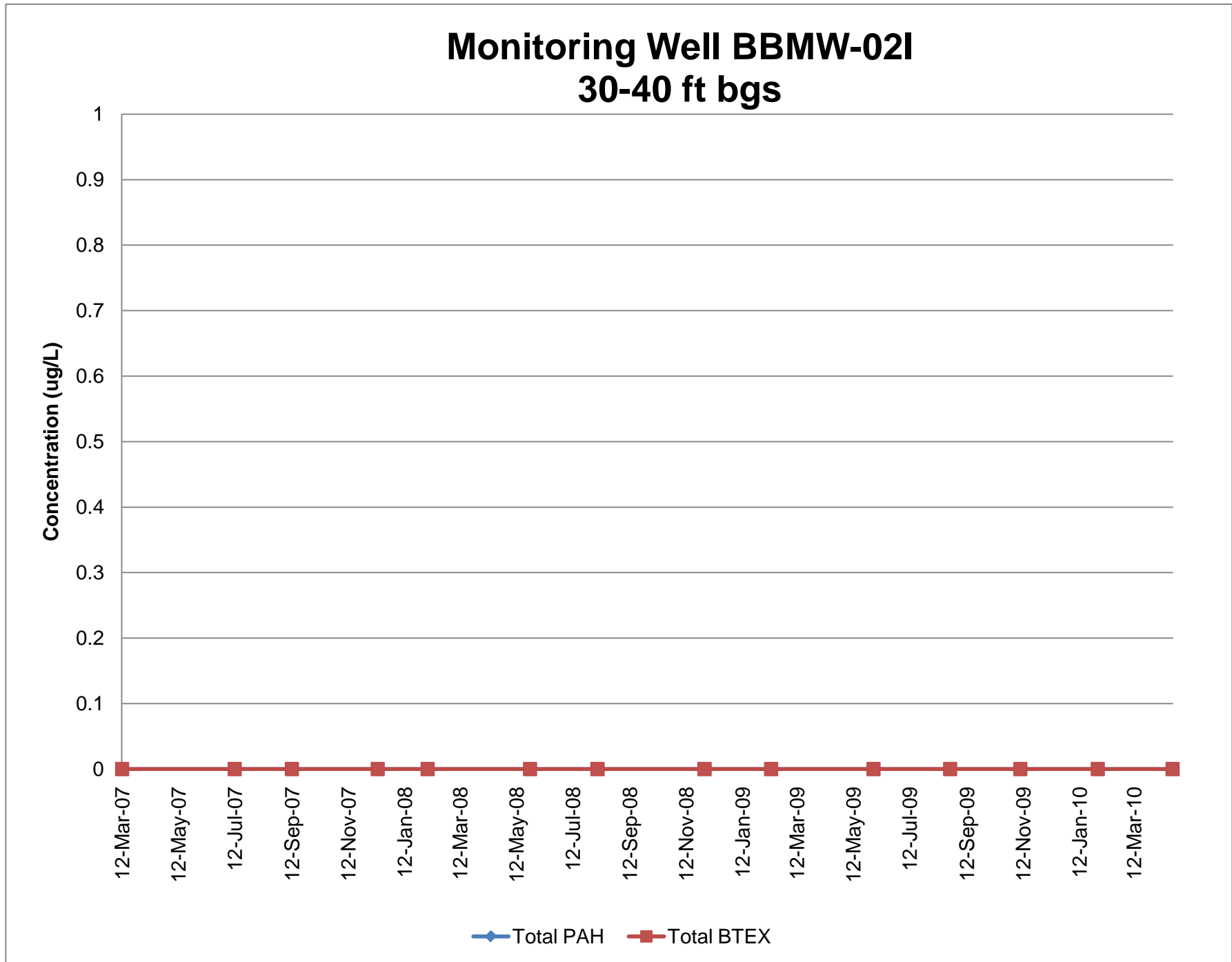
Monitoring Well BMW-01S 5-15 ft bgs



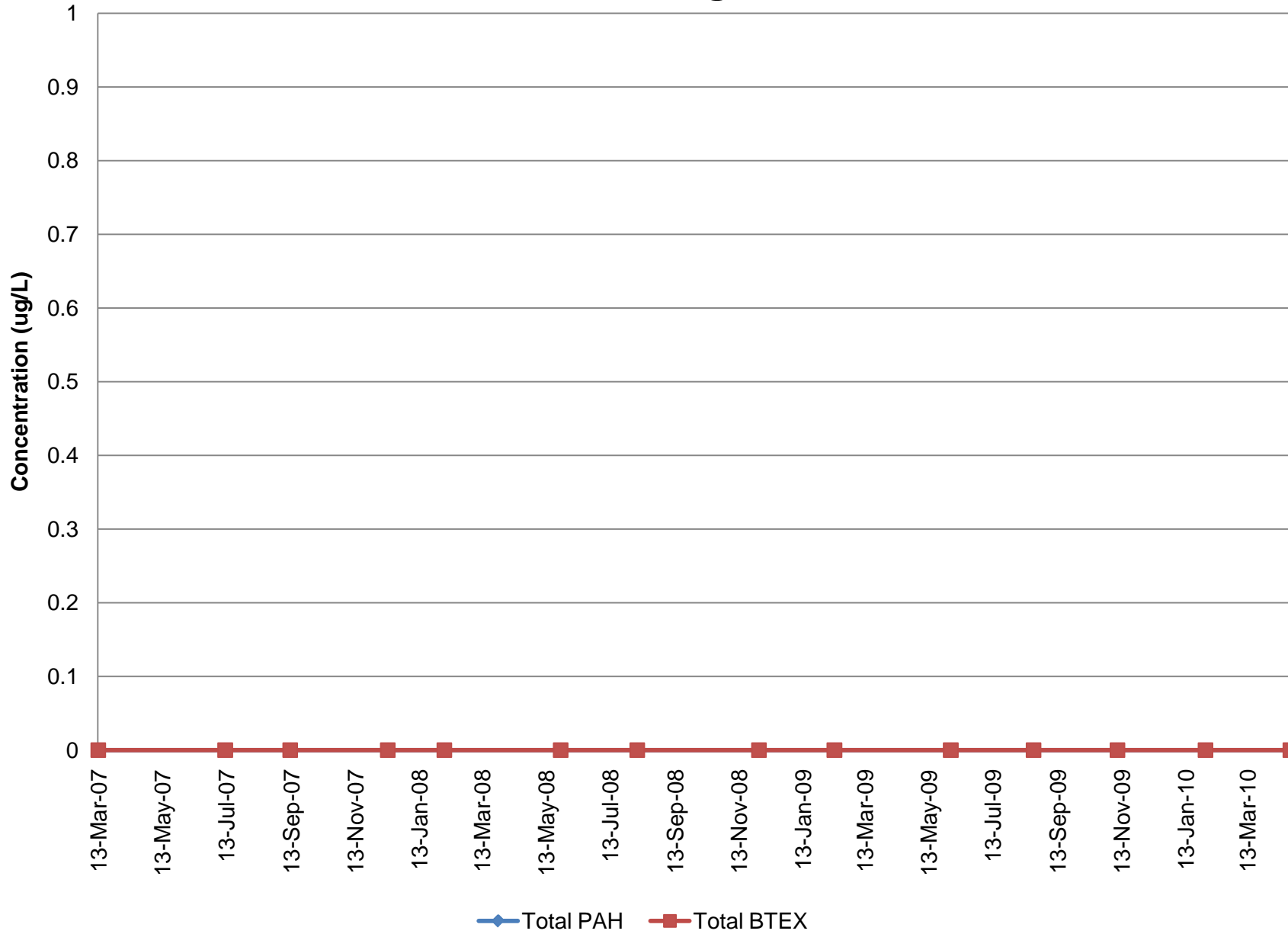


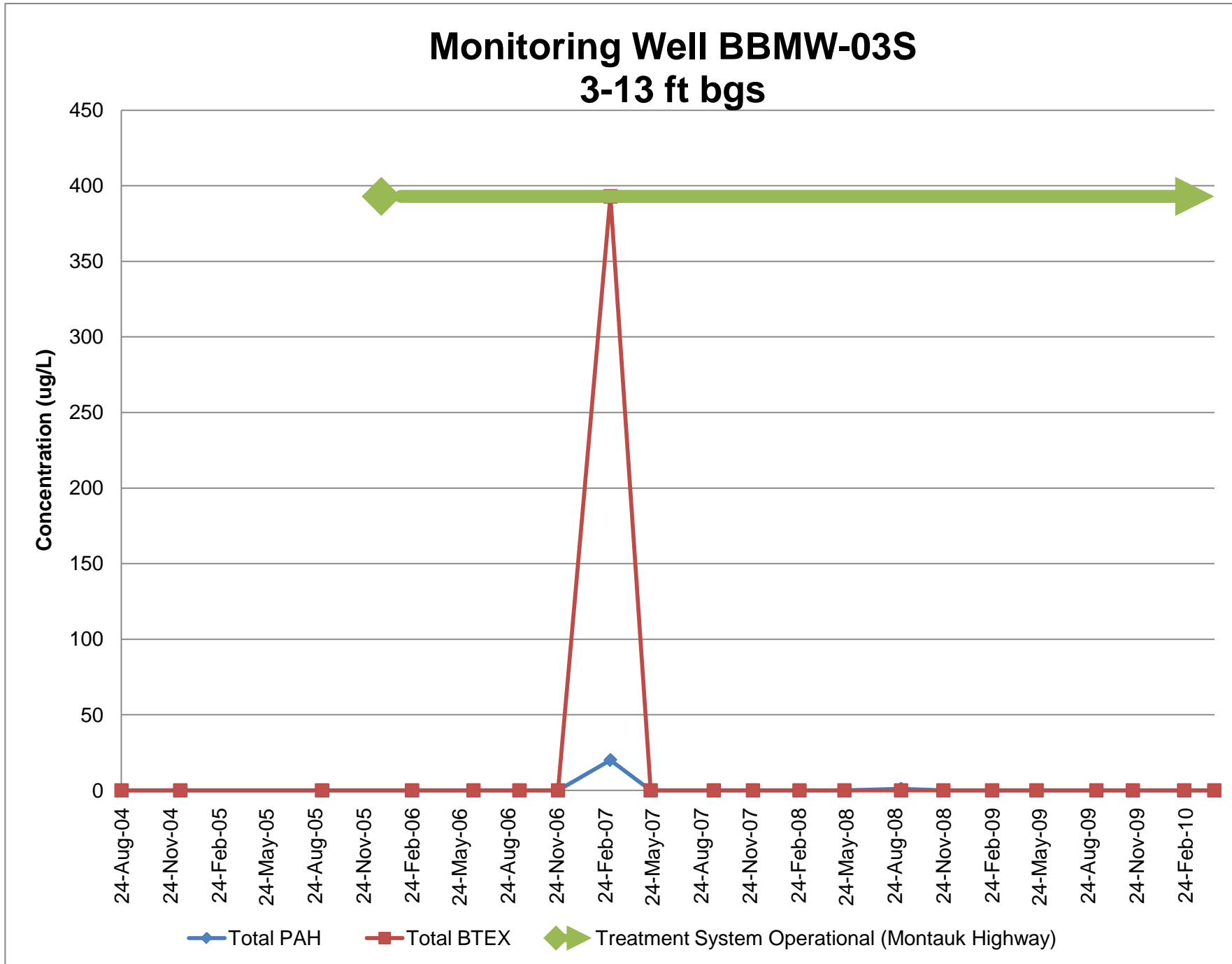


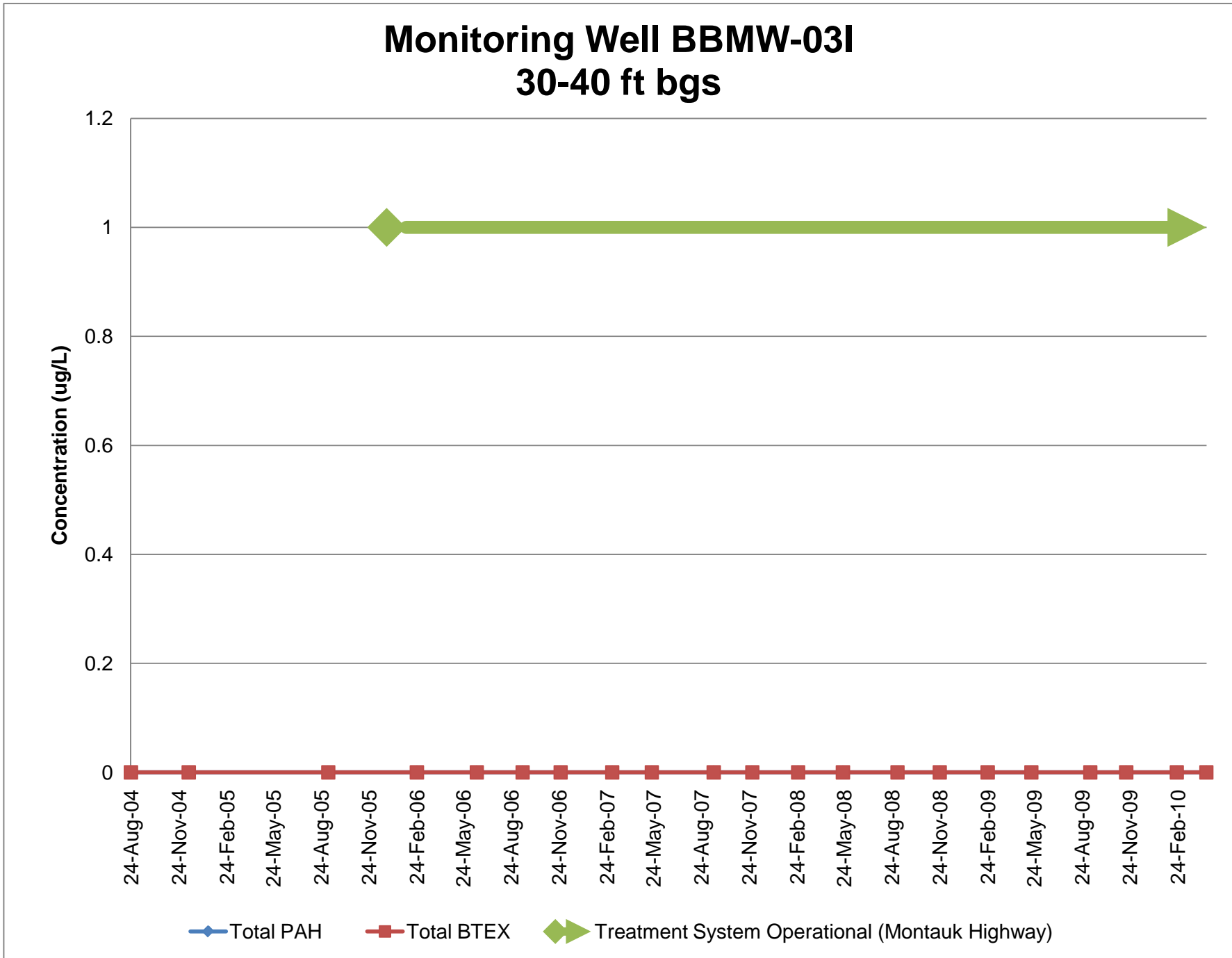


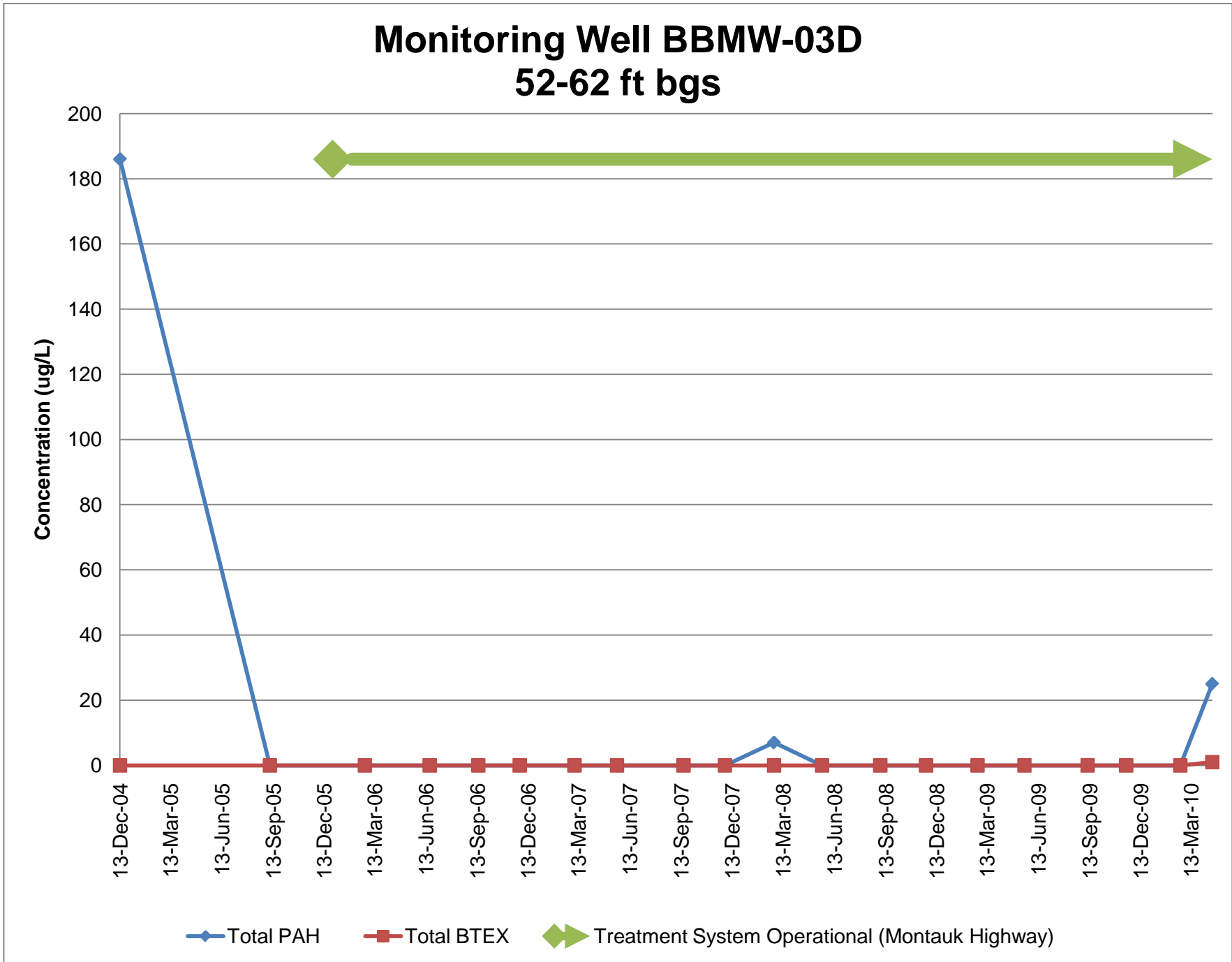


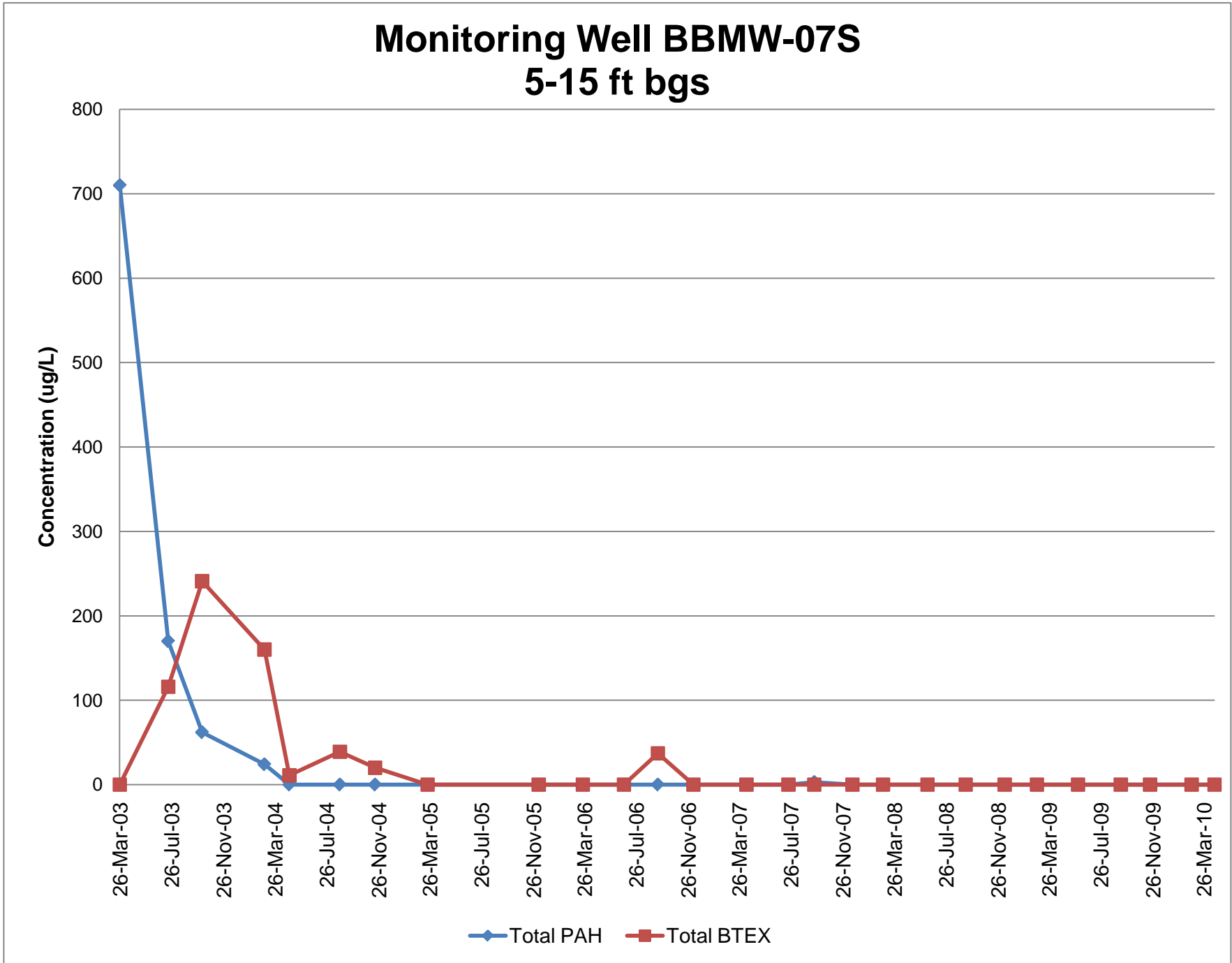
Monitoring Well BMW-02D 73-83 ft bgs

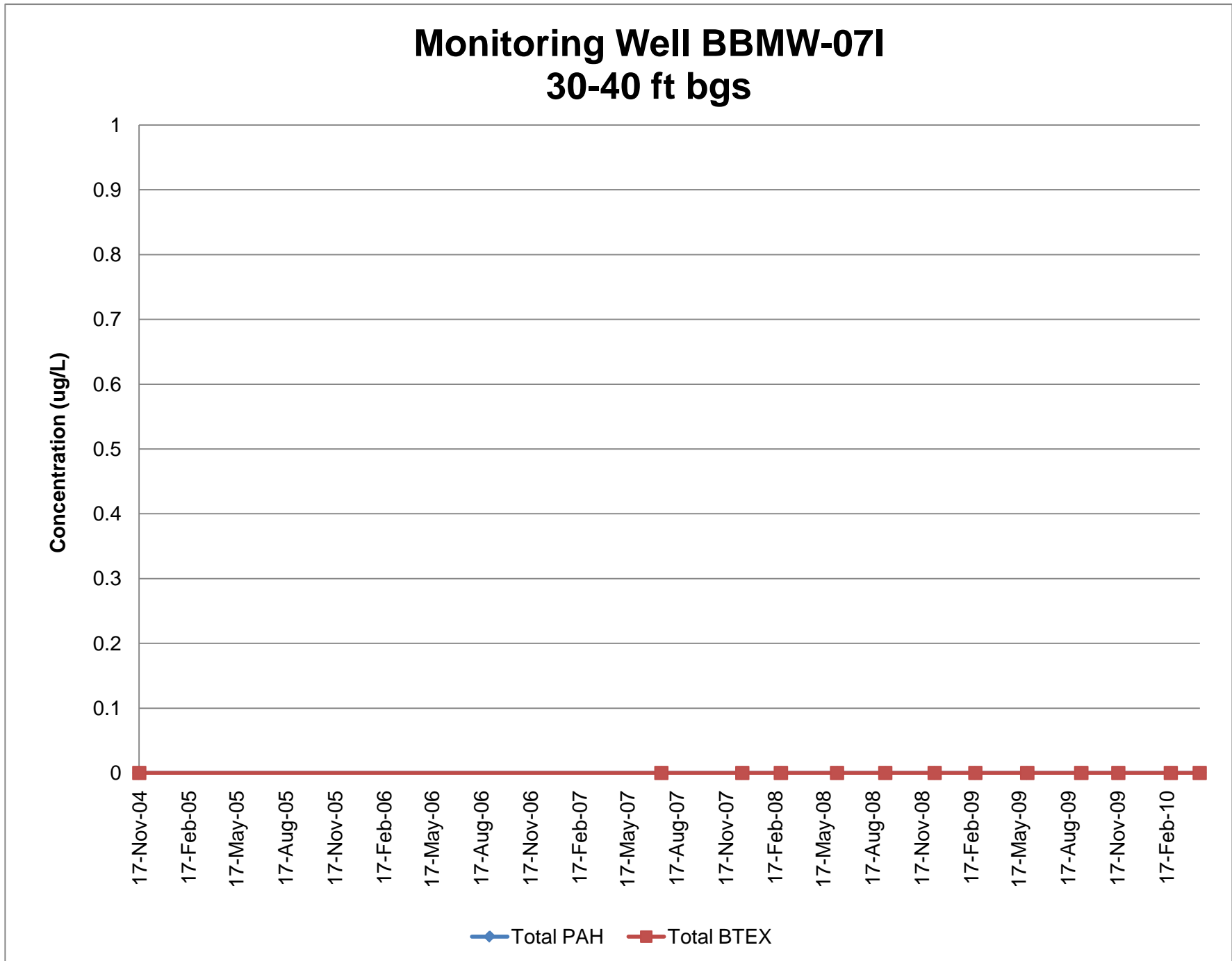




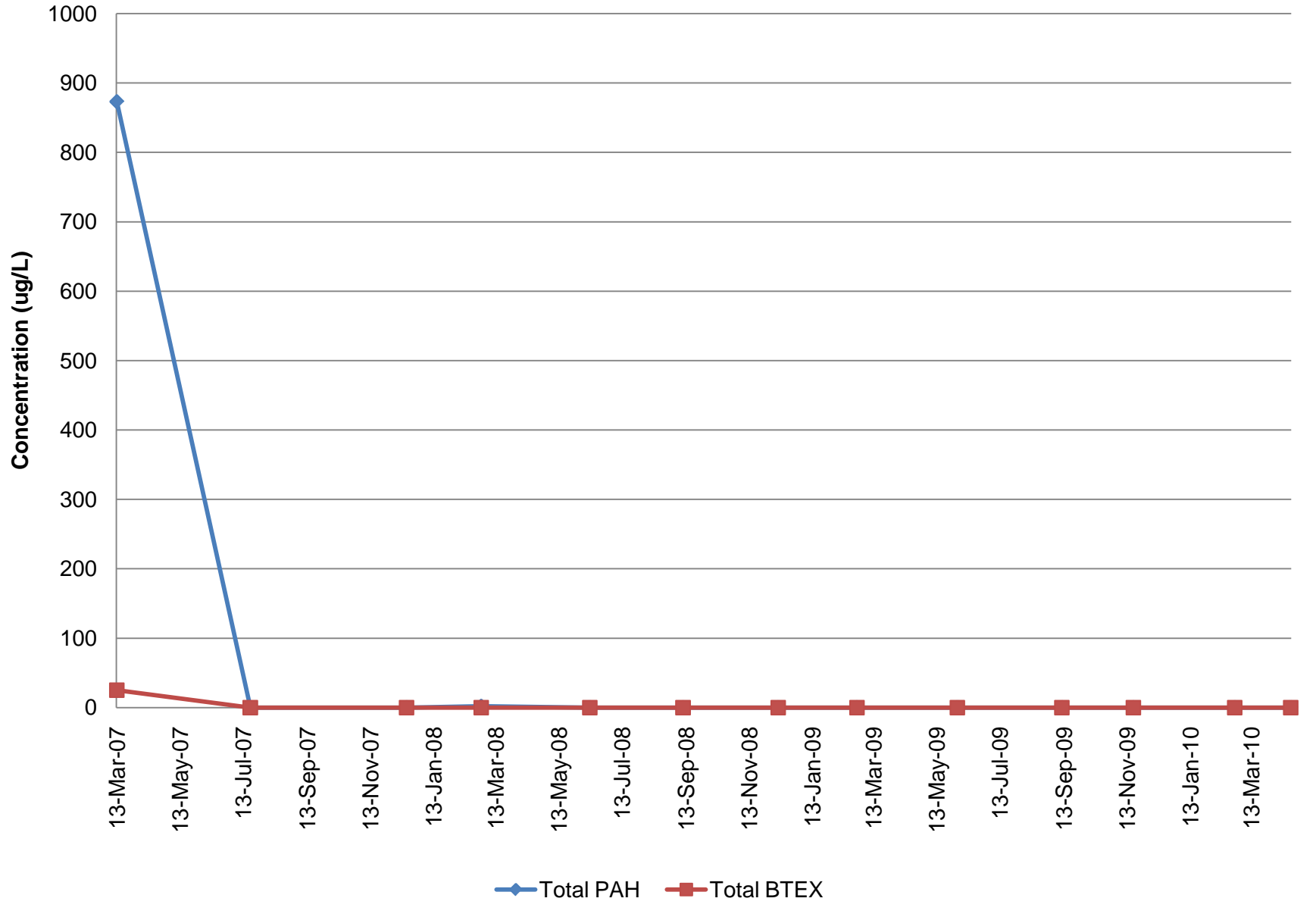




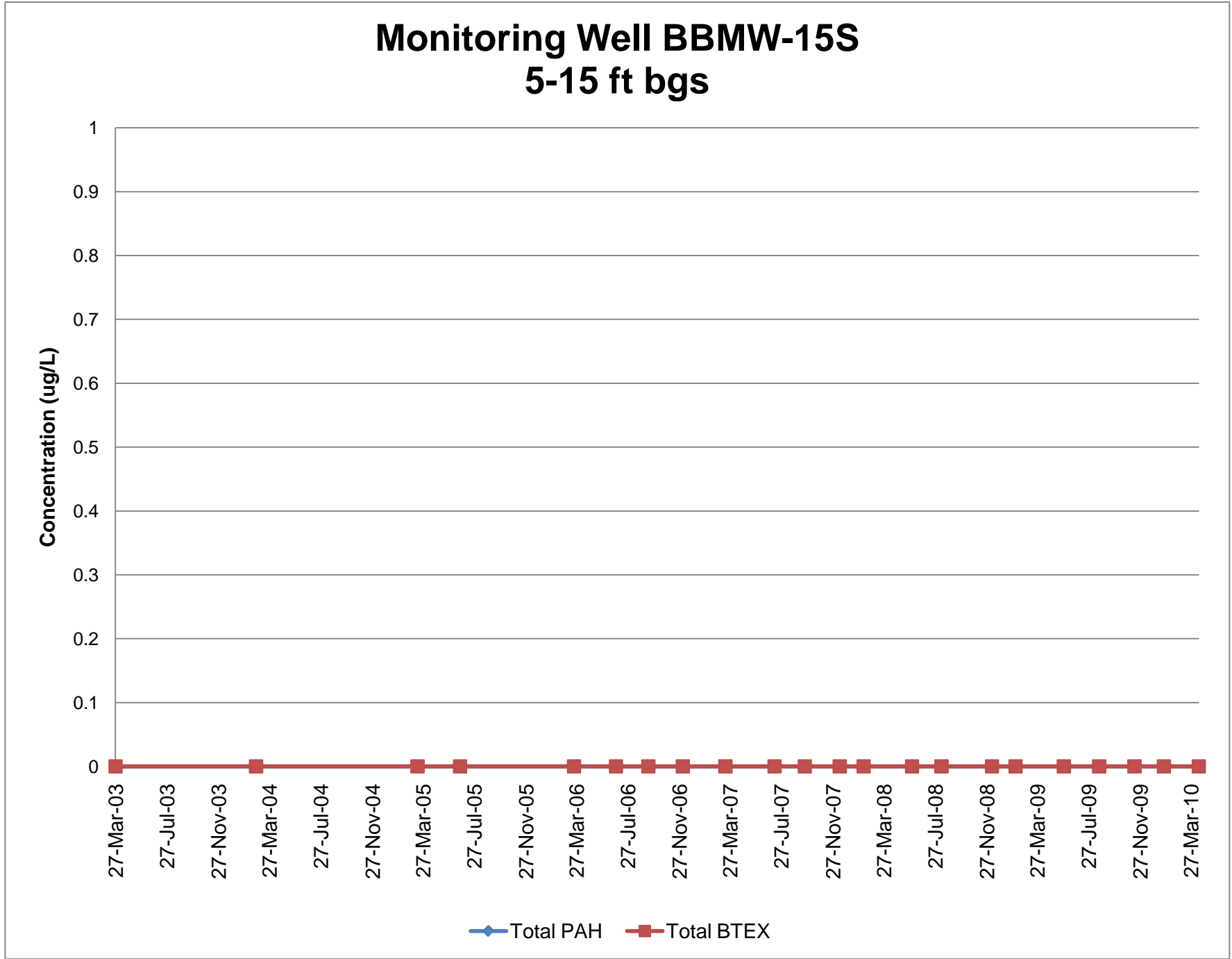


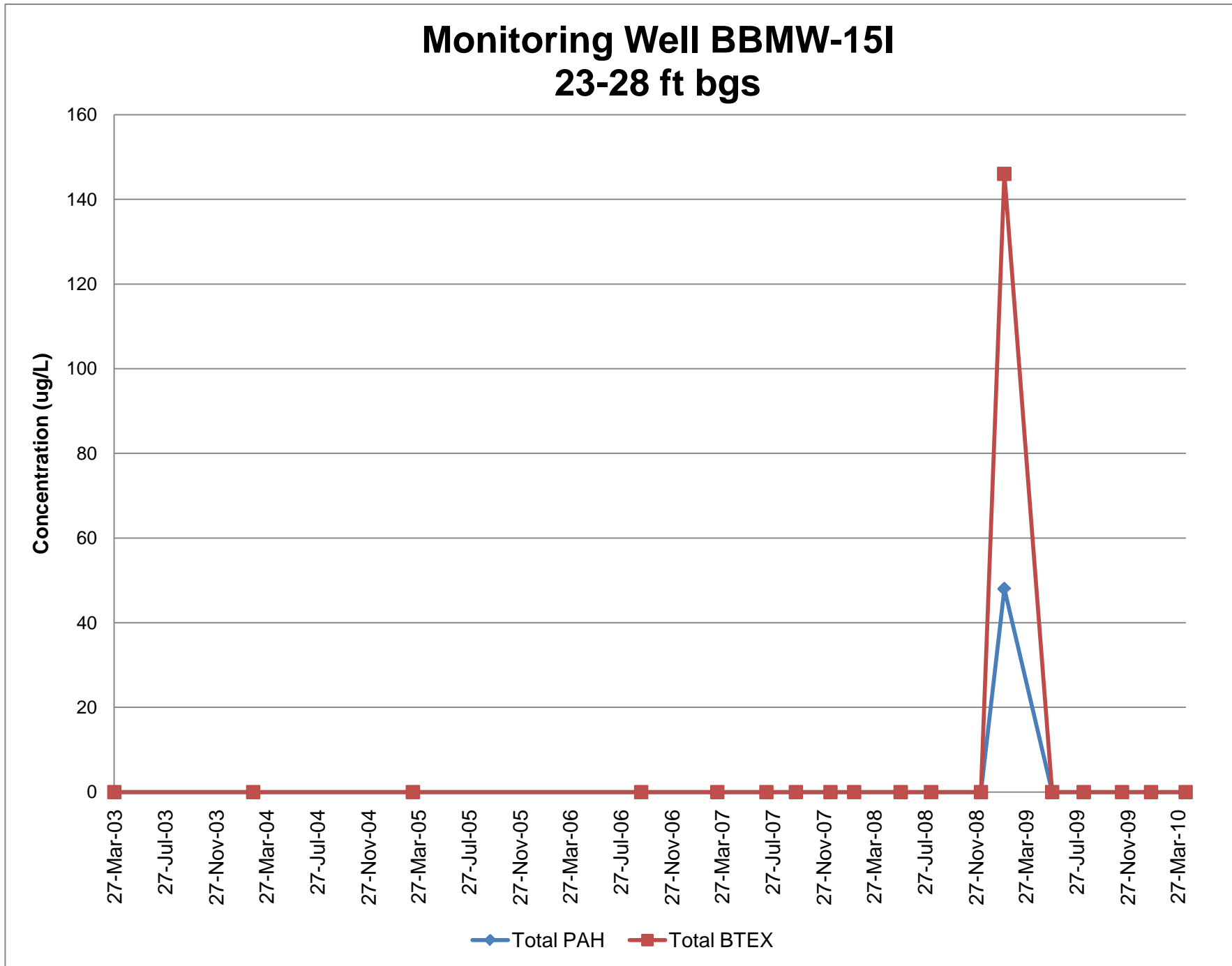


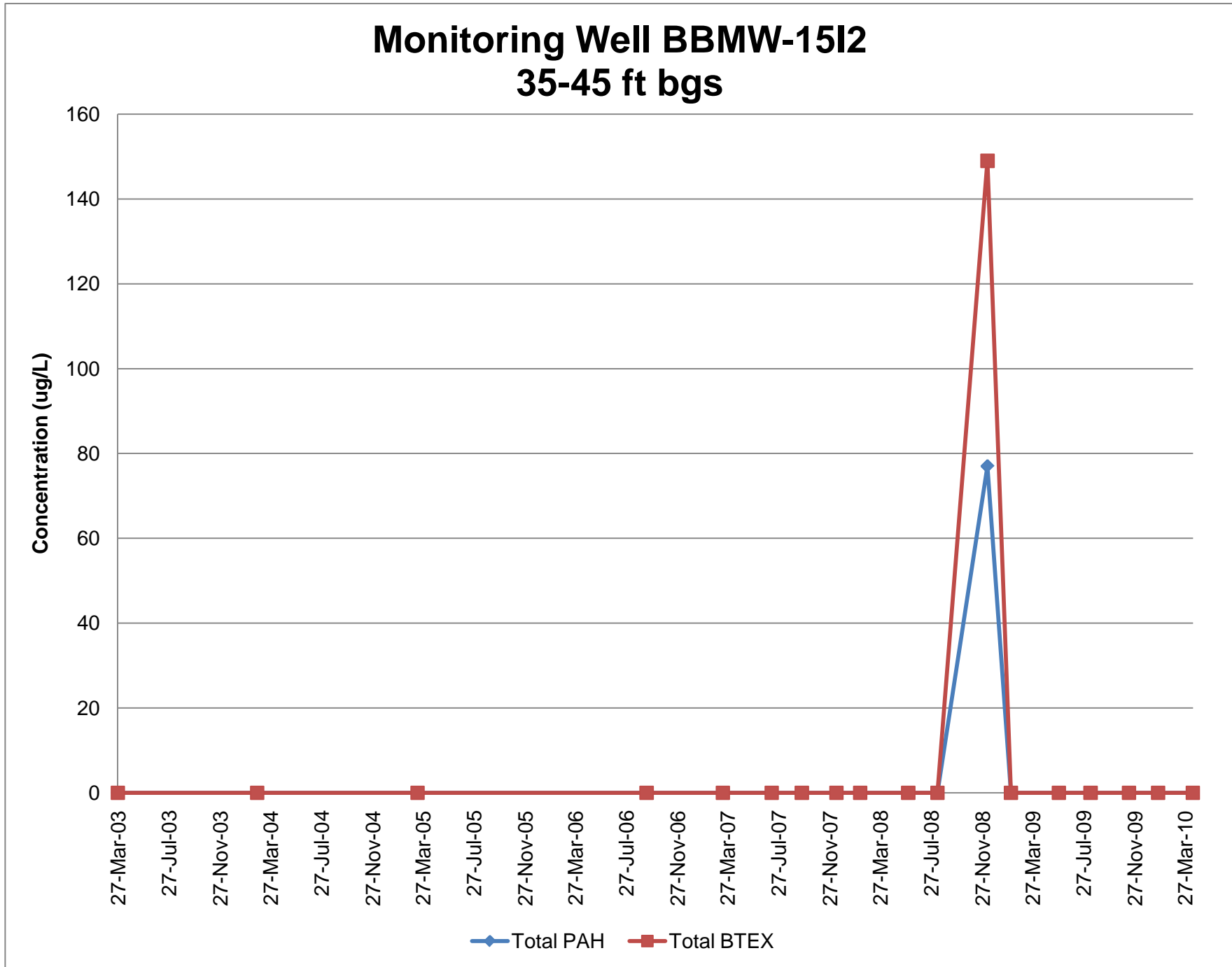
Monitoring Well BMW-07D 55-65 ft bgs

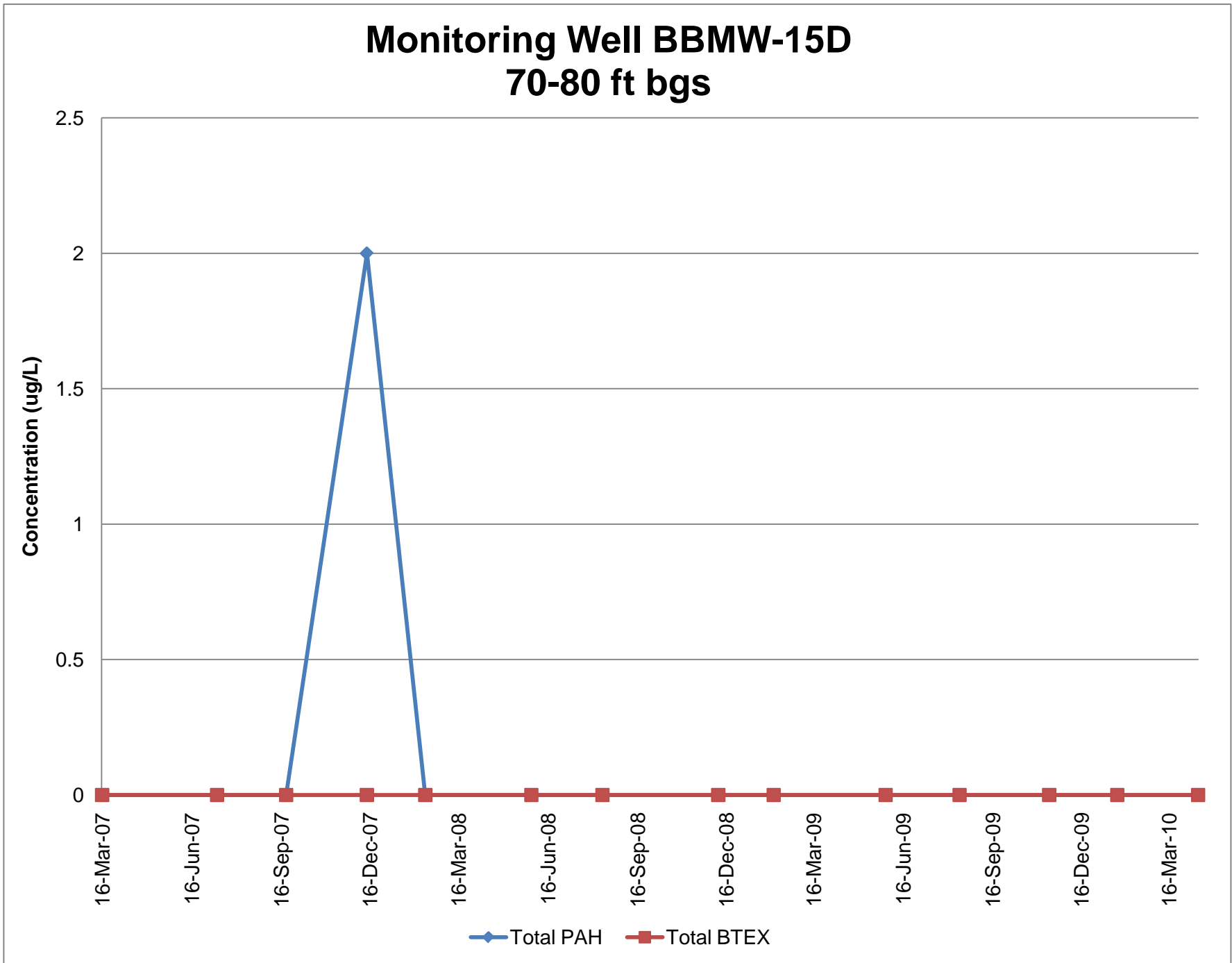


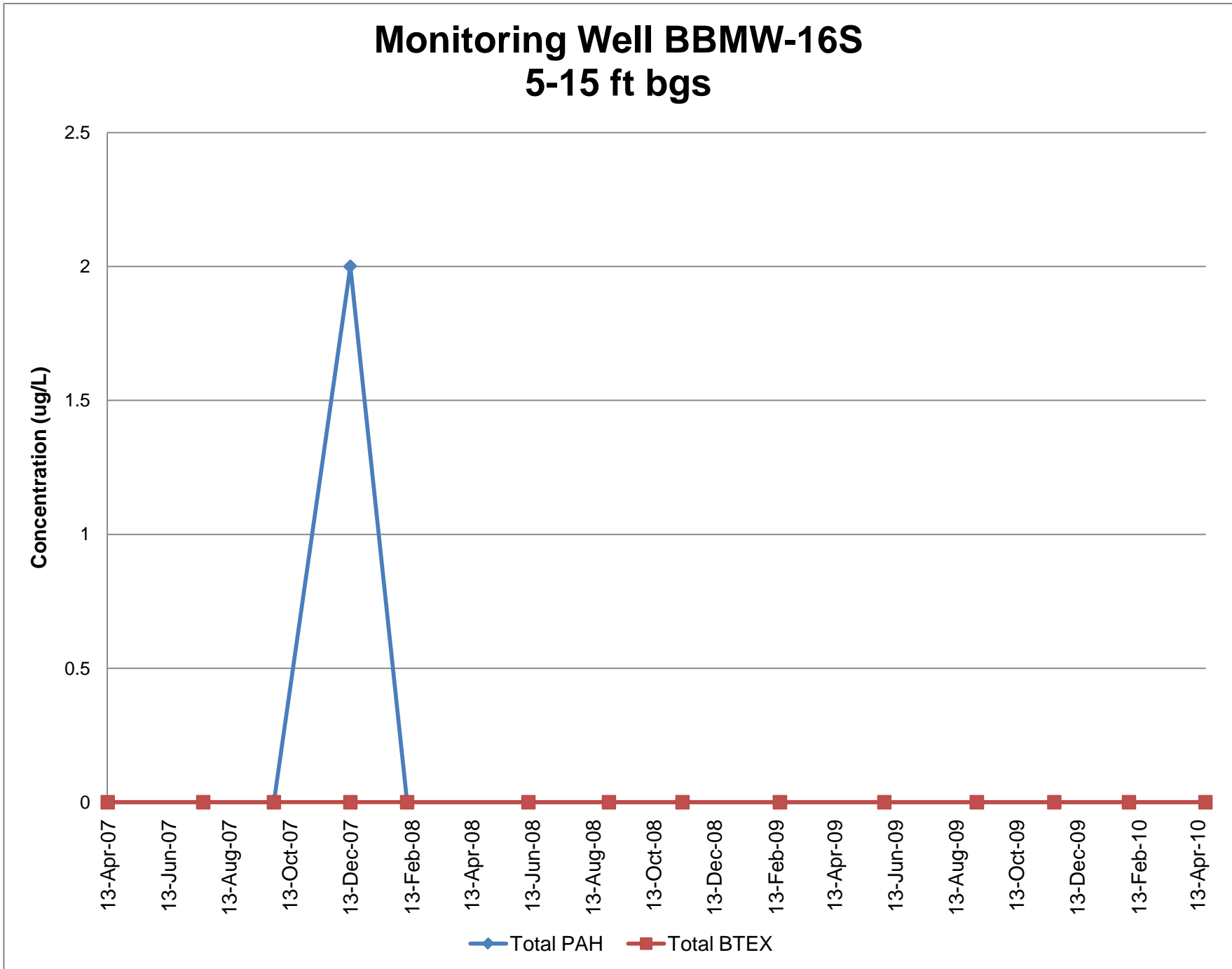
Monitoring Well BMW-15S 5-15 ft bgs

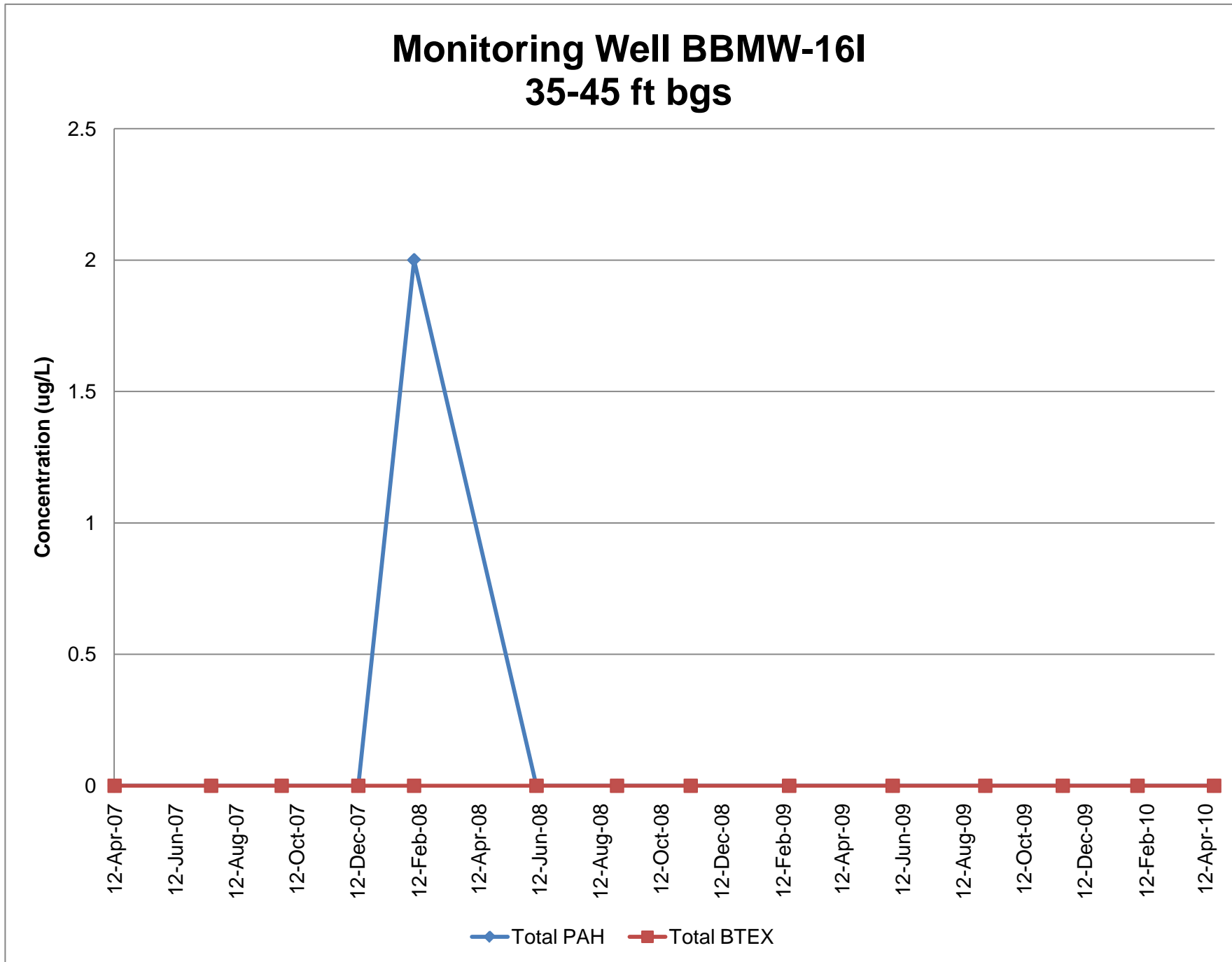


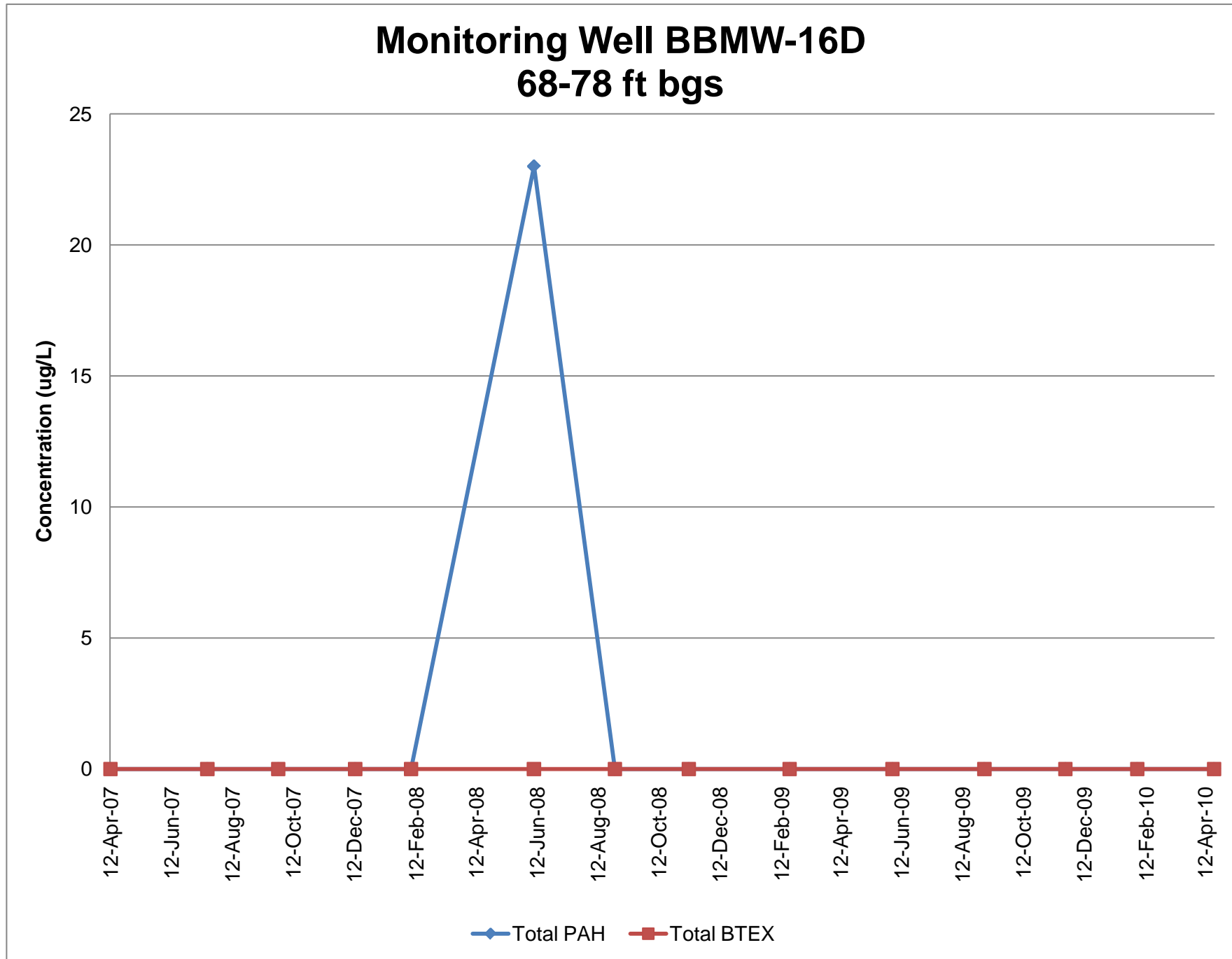




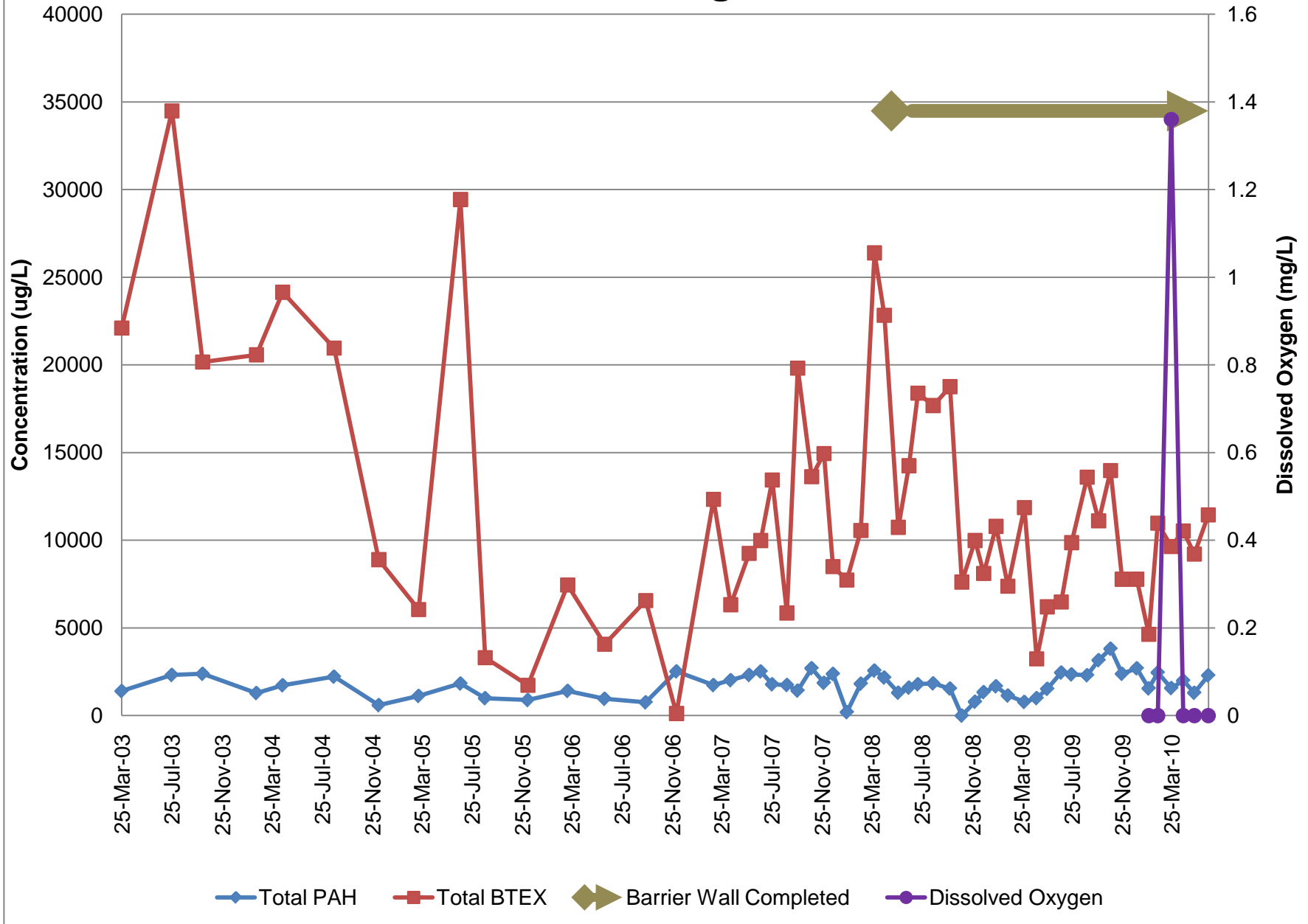




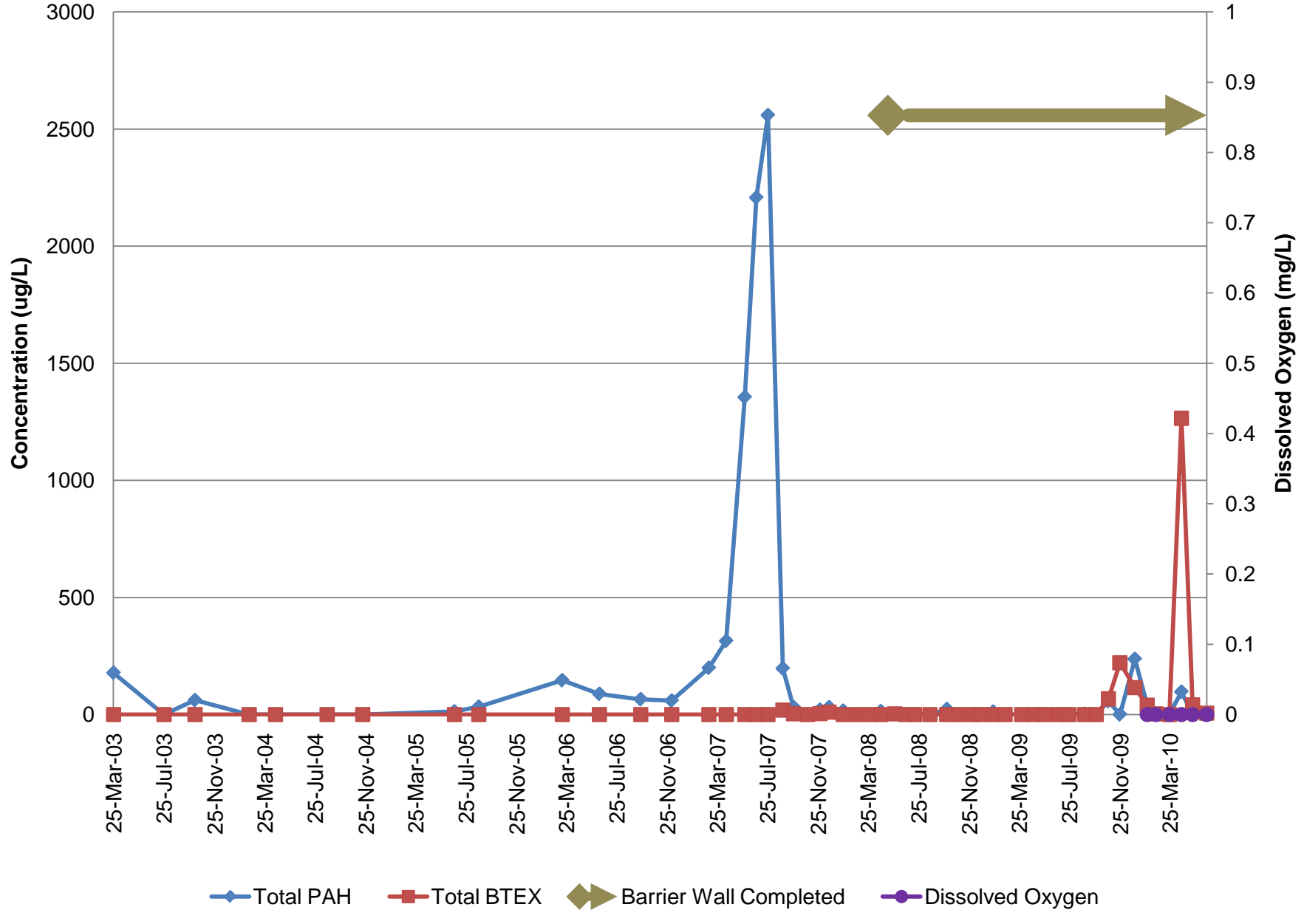




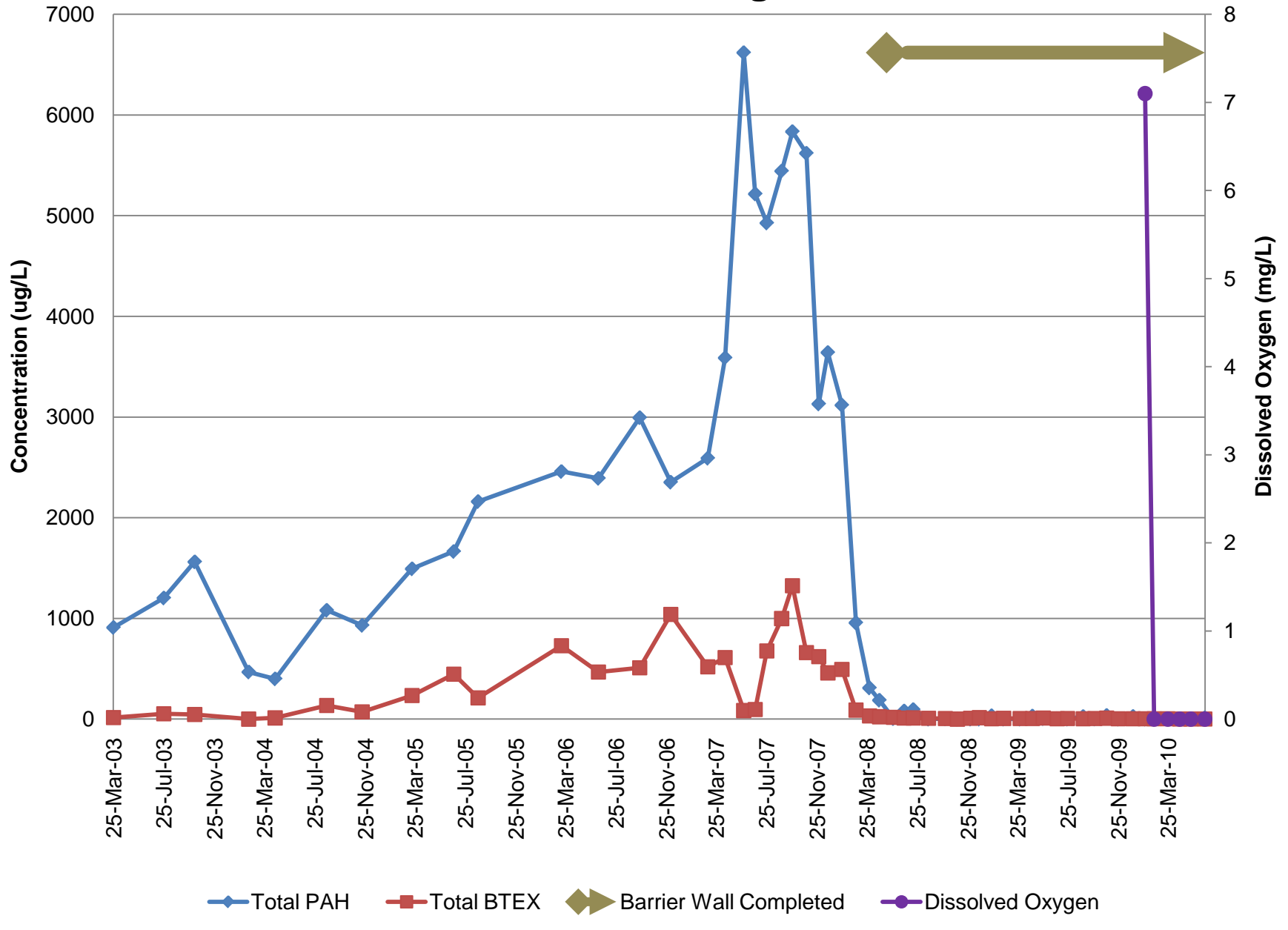
Monitoring Well BMW-23S 5-15 ft bgs



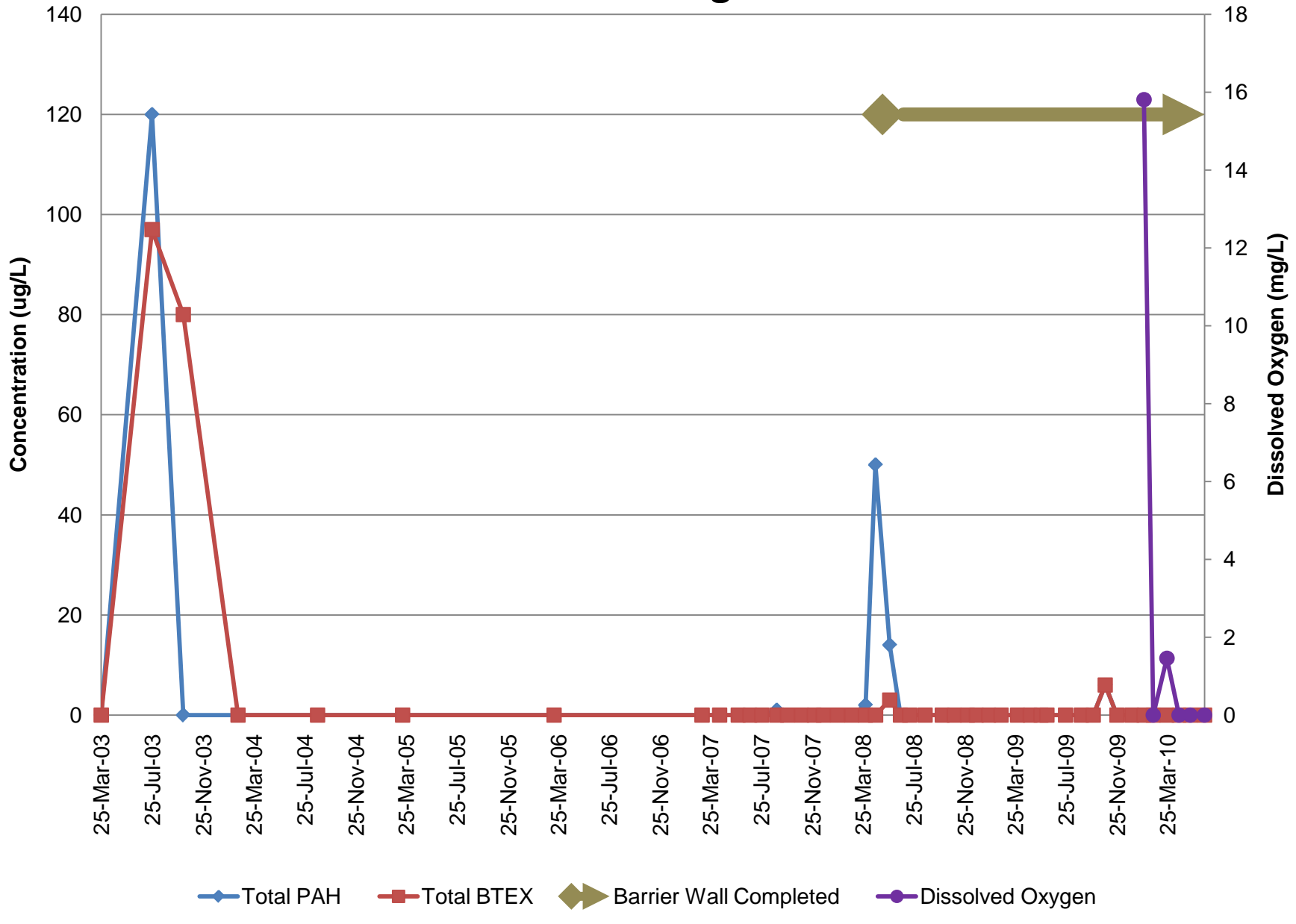
Monitoring Well BMW-23I 33-43 ft bgs



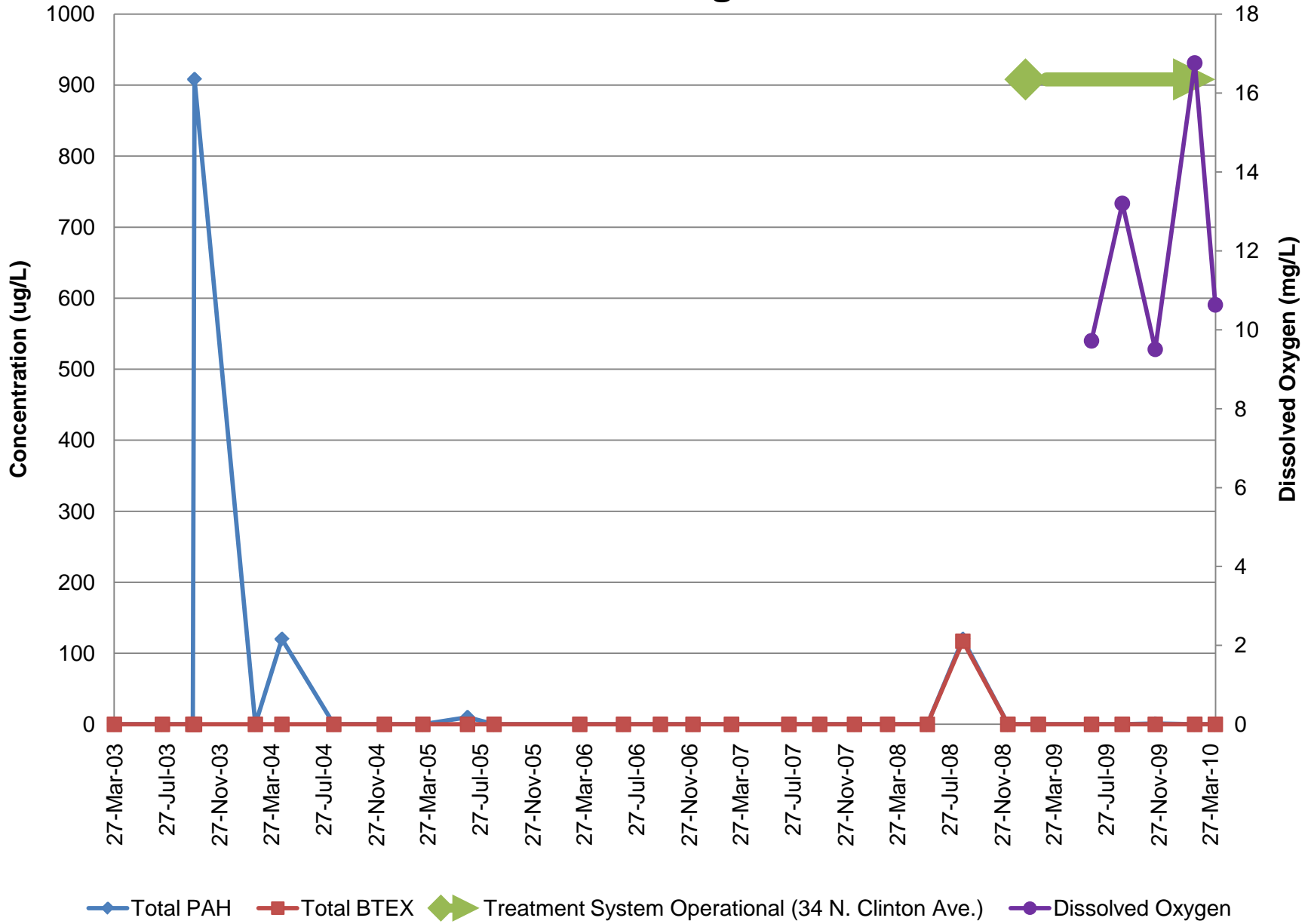
Monitoring Well BMW-23D 49.5-59.5 ft bgs

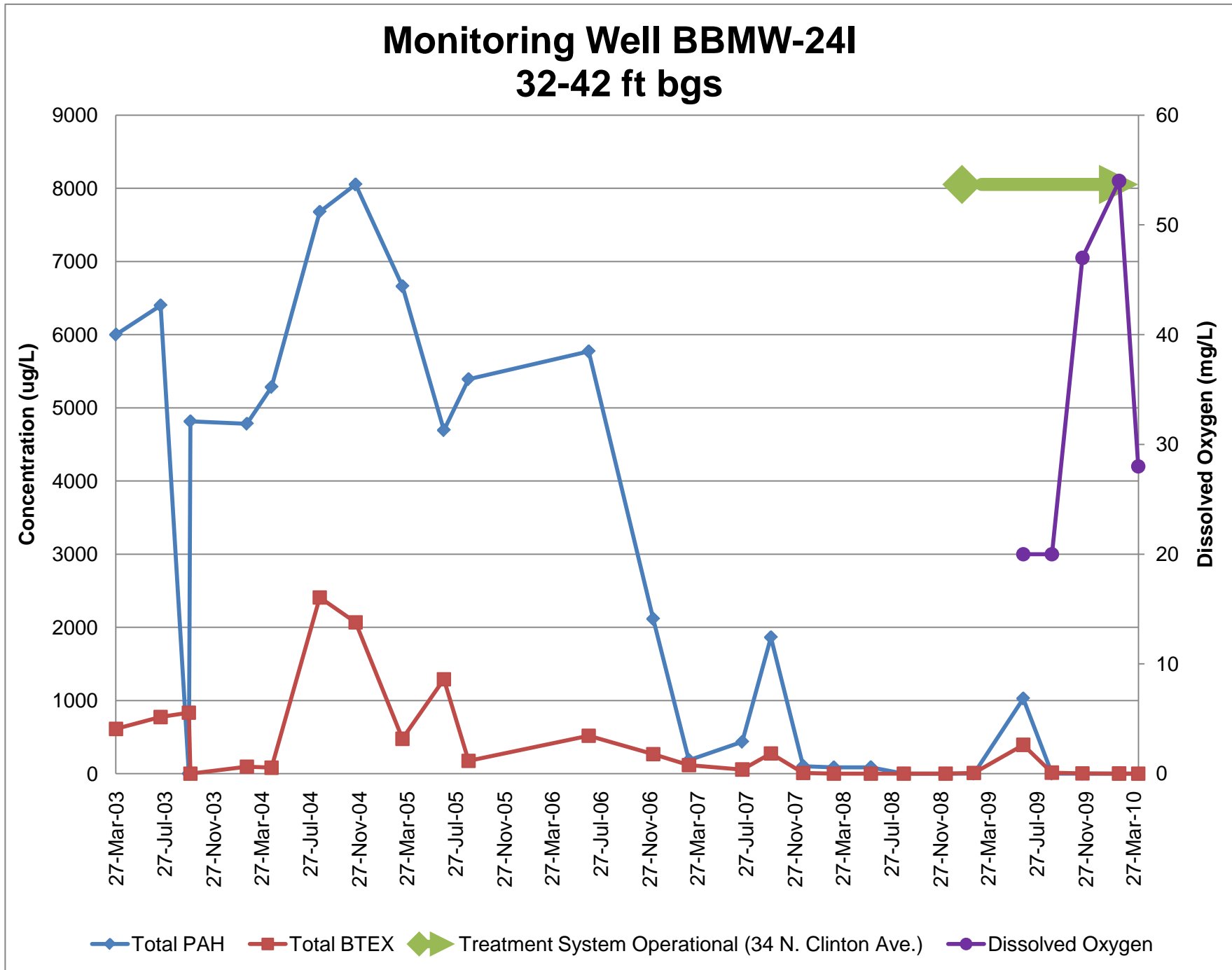


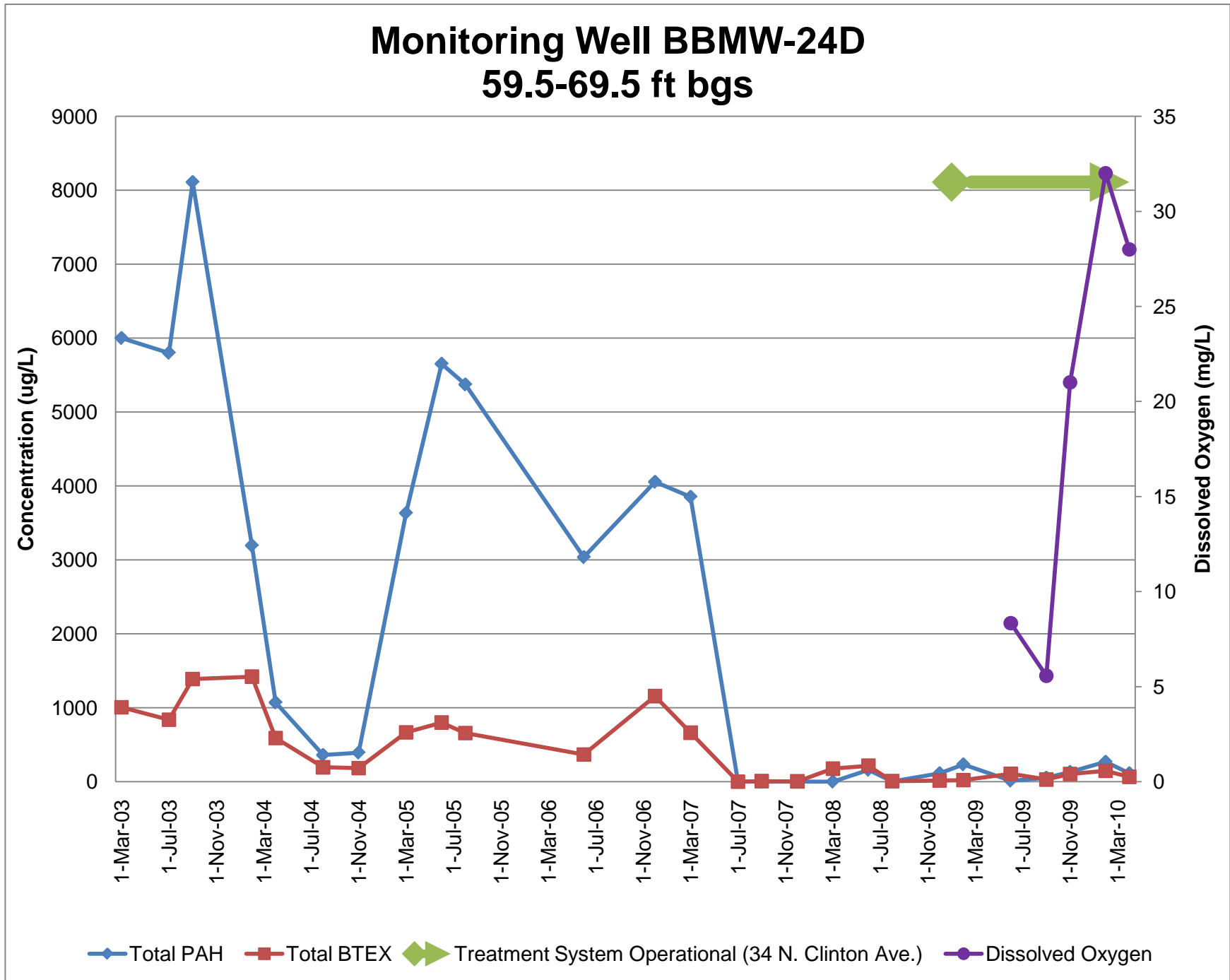
Monitoring Well BMW-23D2 63-73 ft bgs



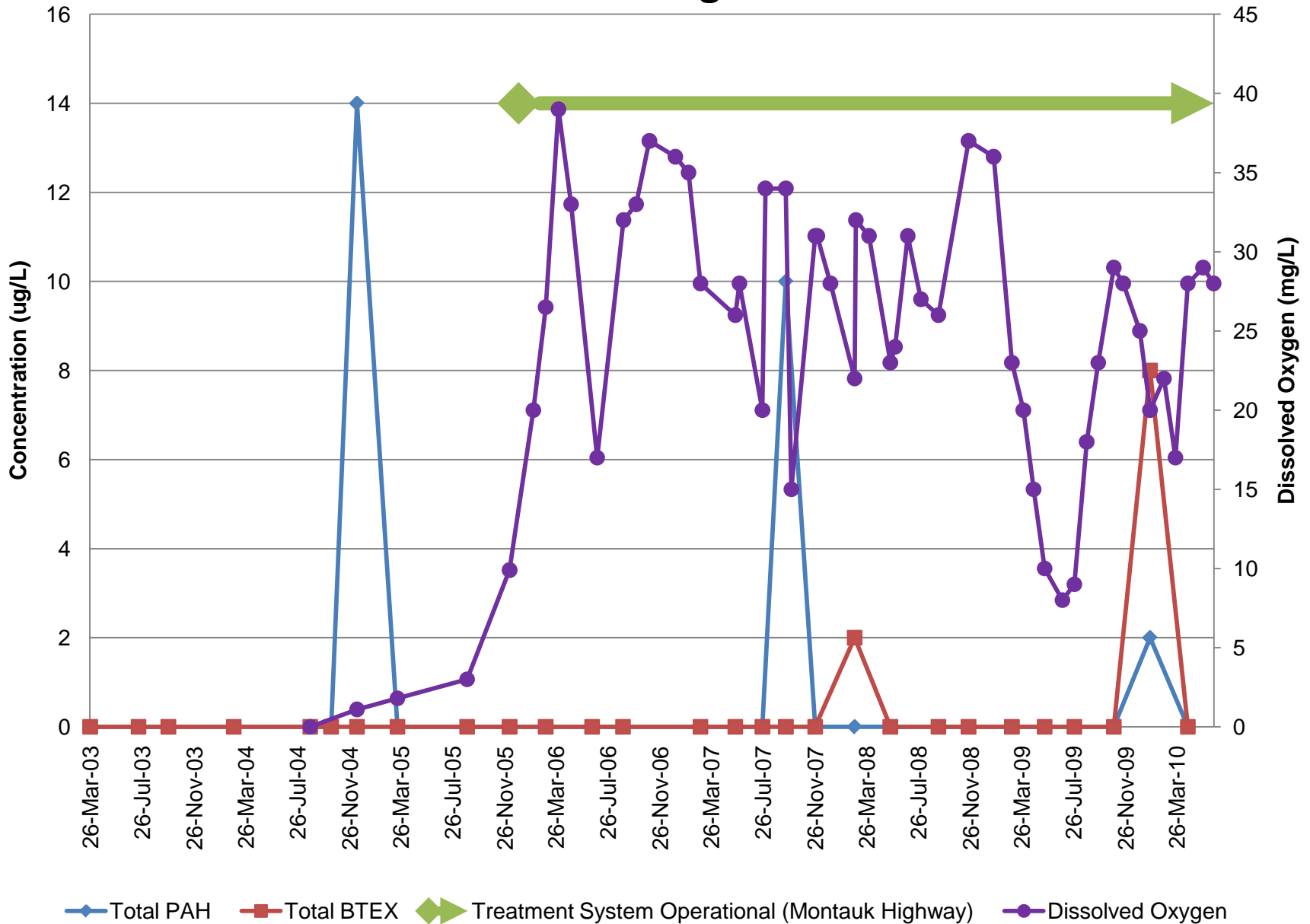
Monitoring Well BMW-24S 4-14 ft bgs

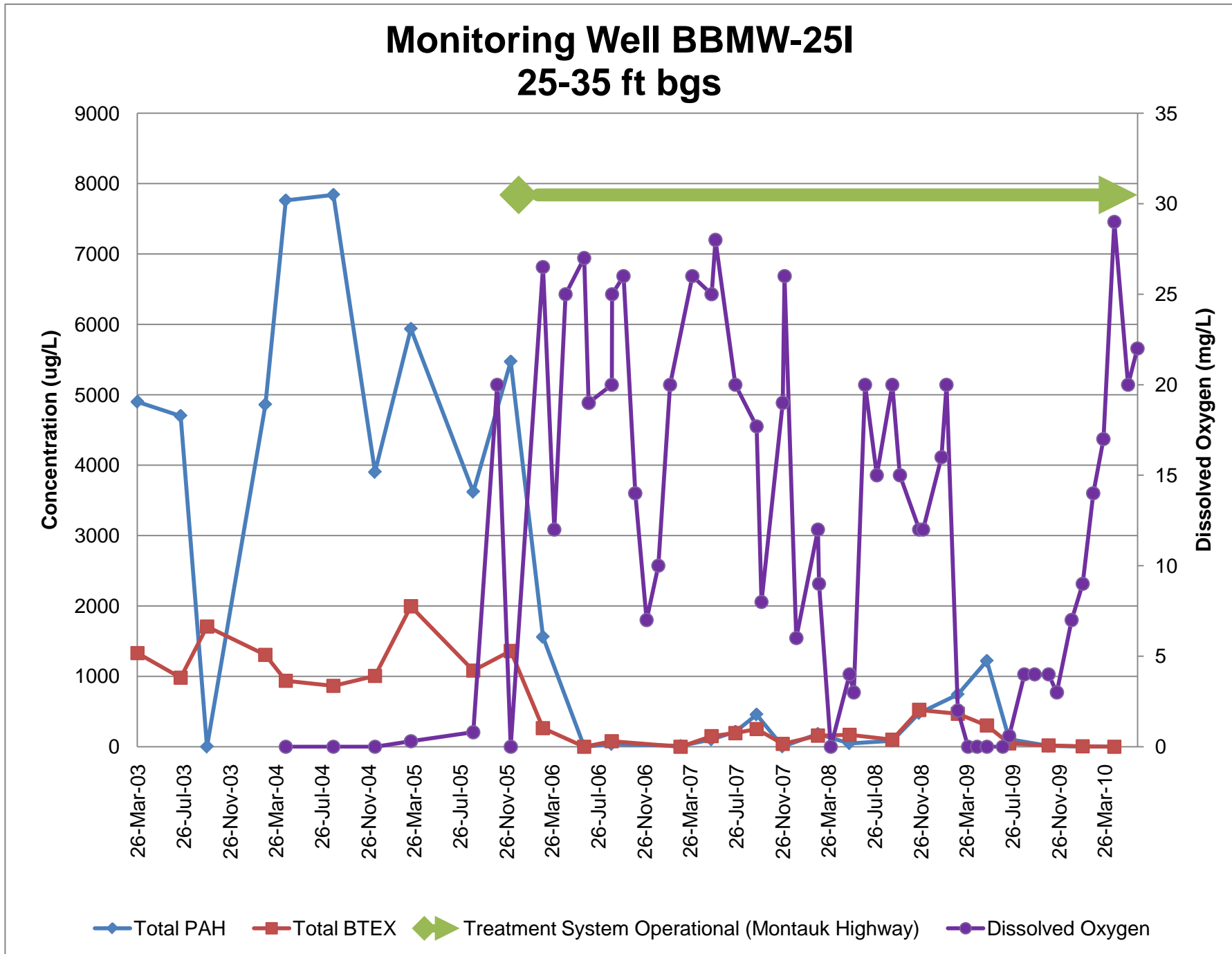


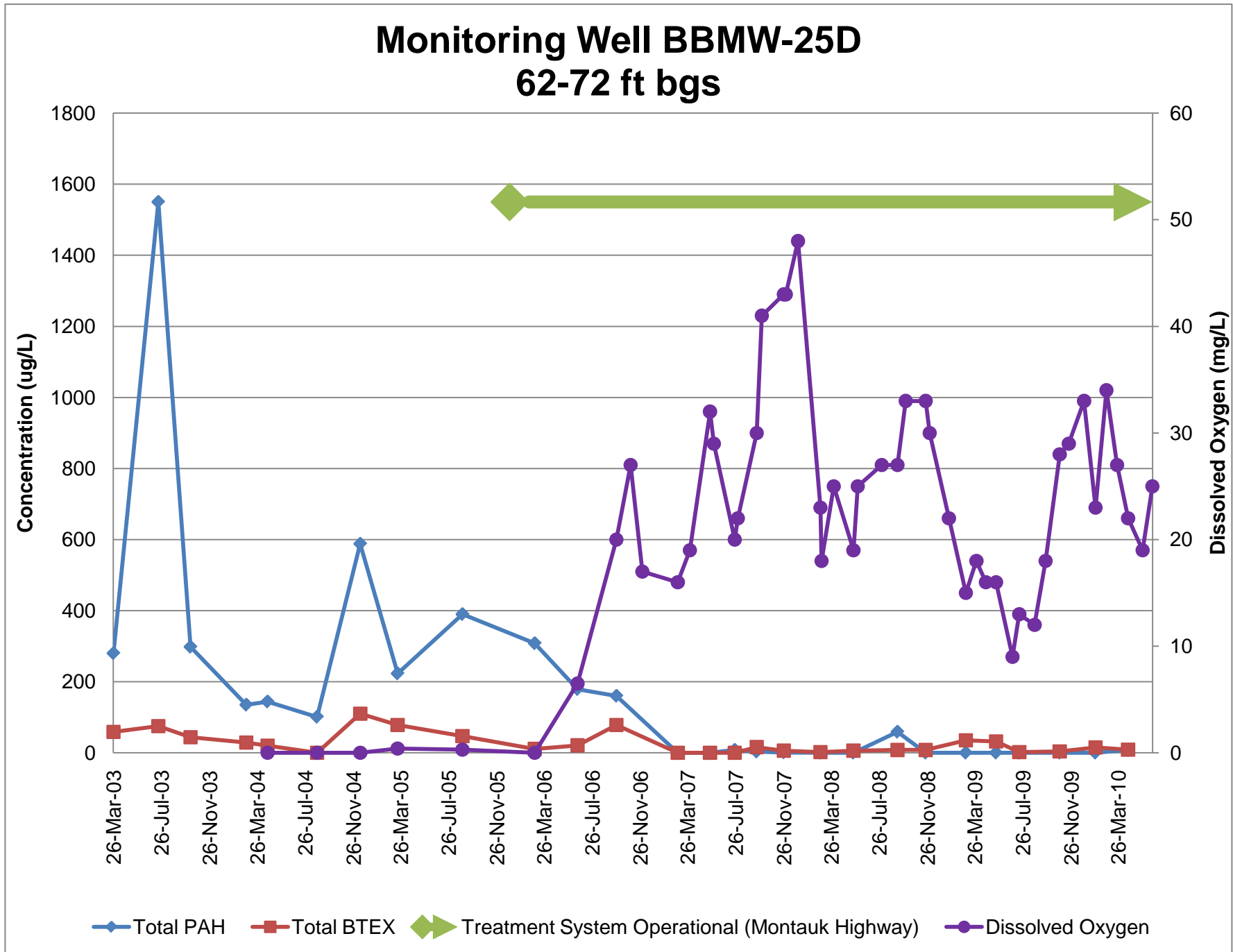


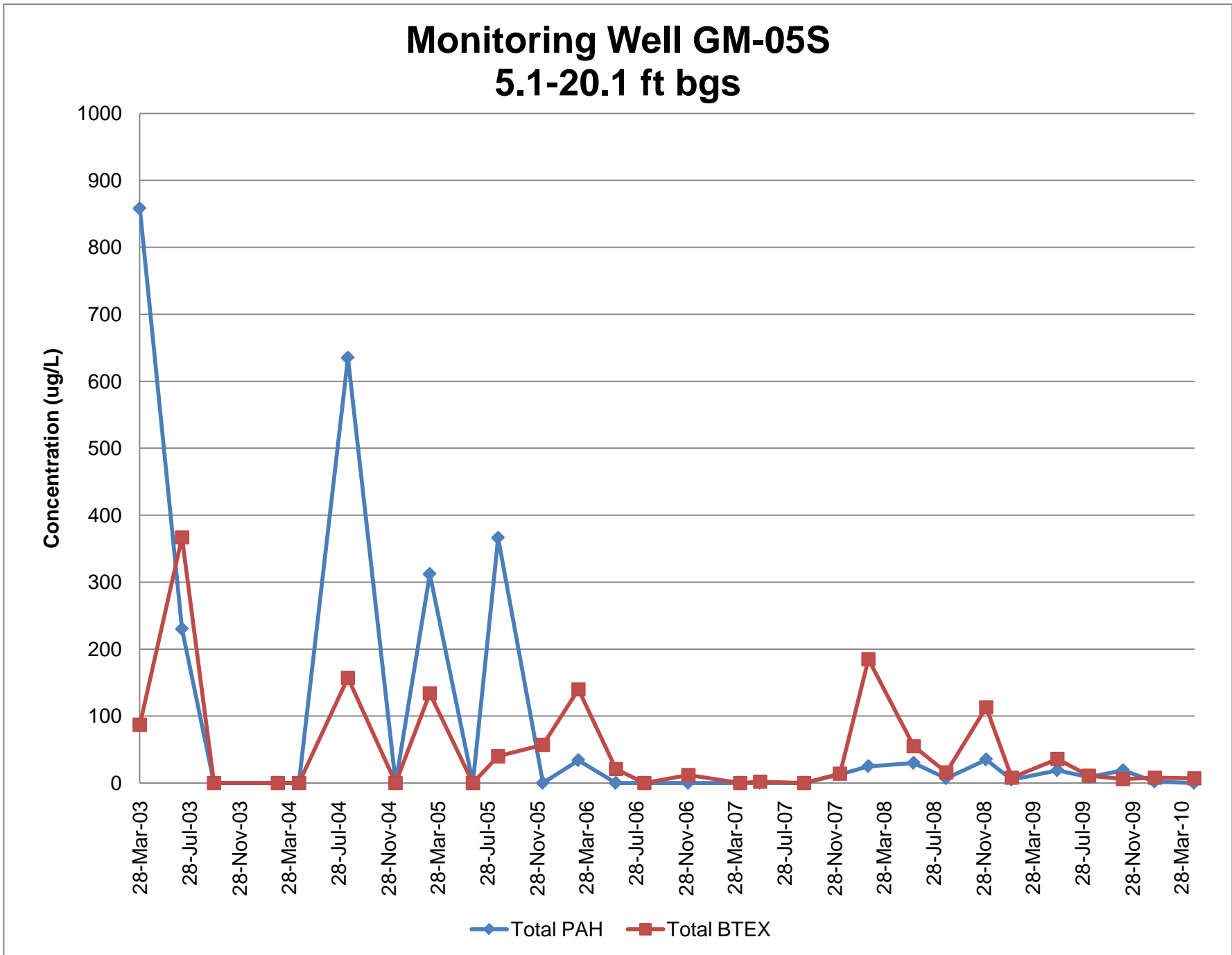


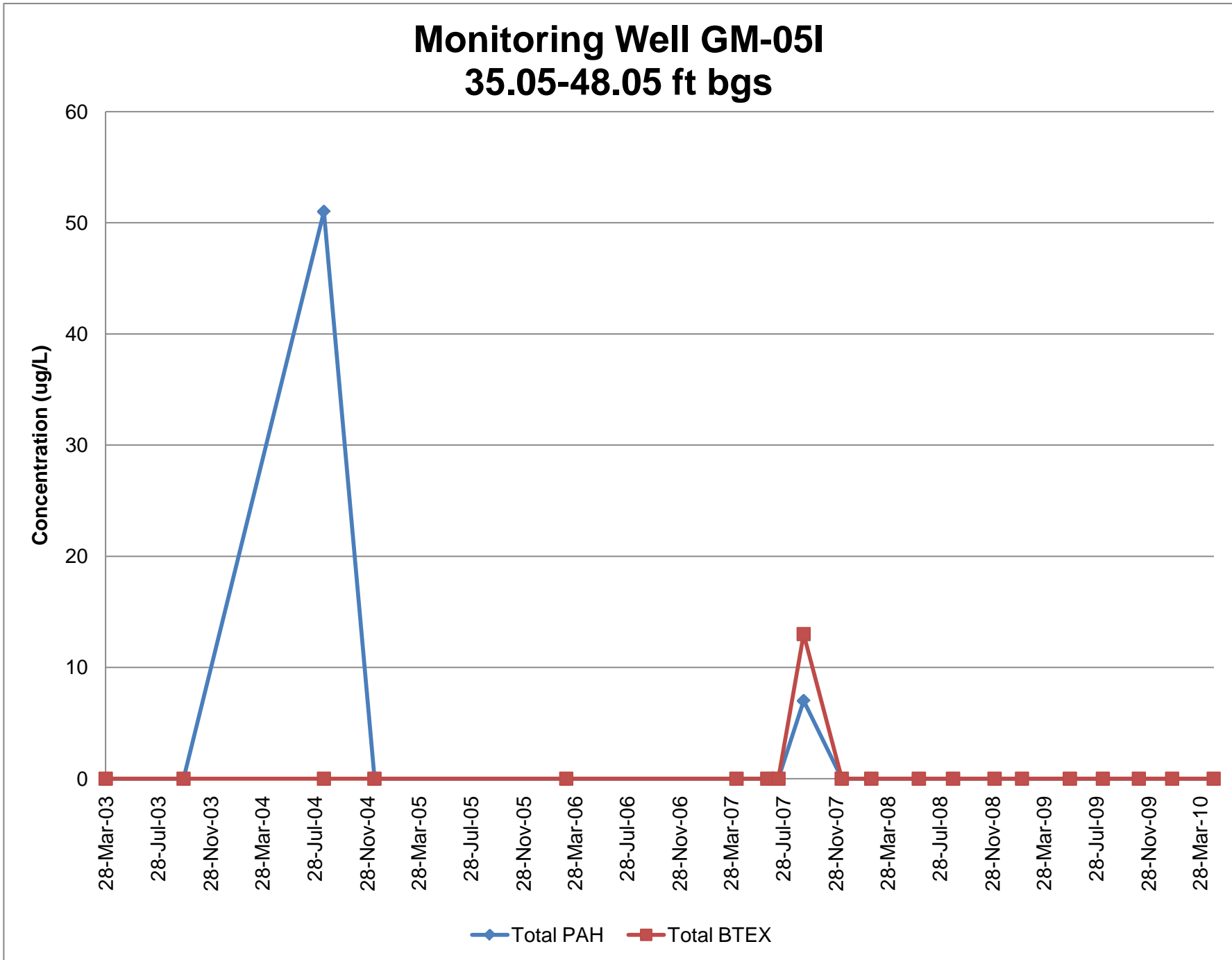
Monitoring Well BMW-25S 4-14 ft bgs

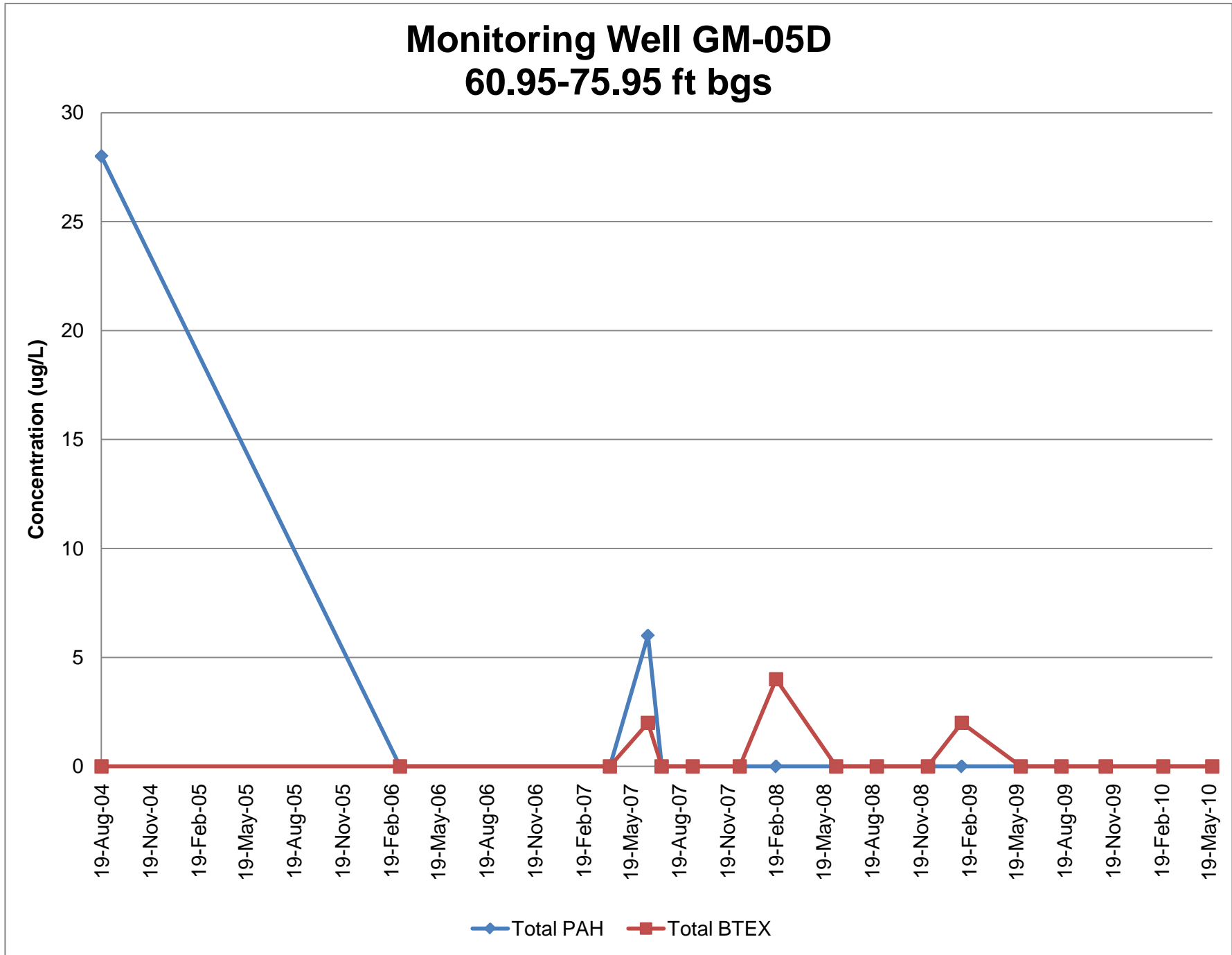


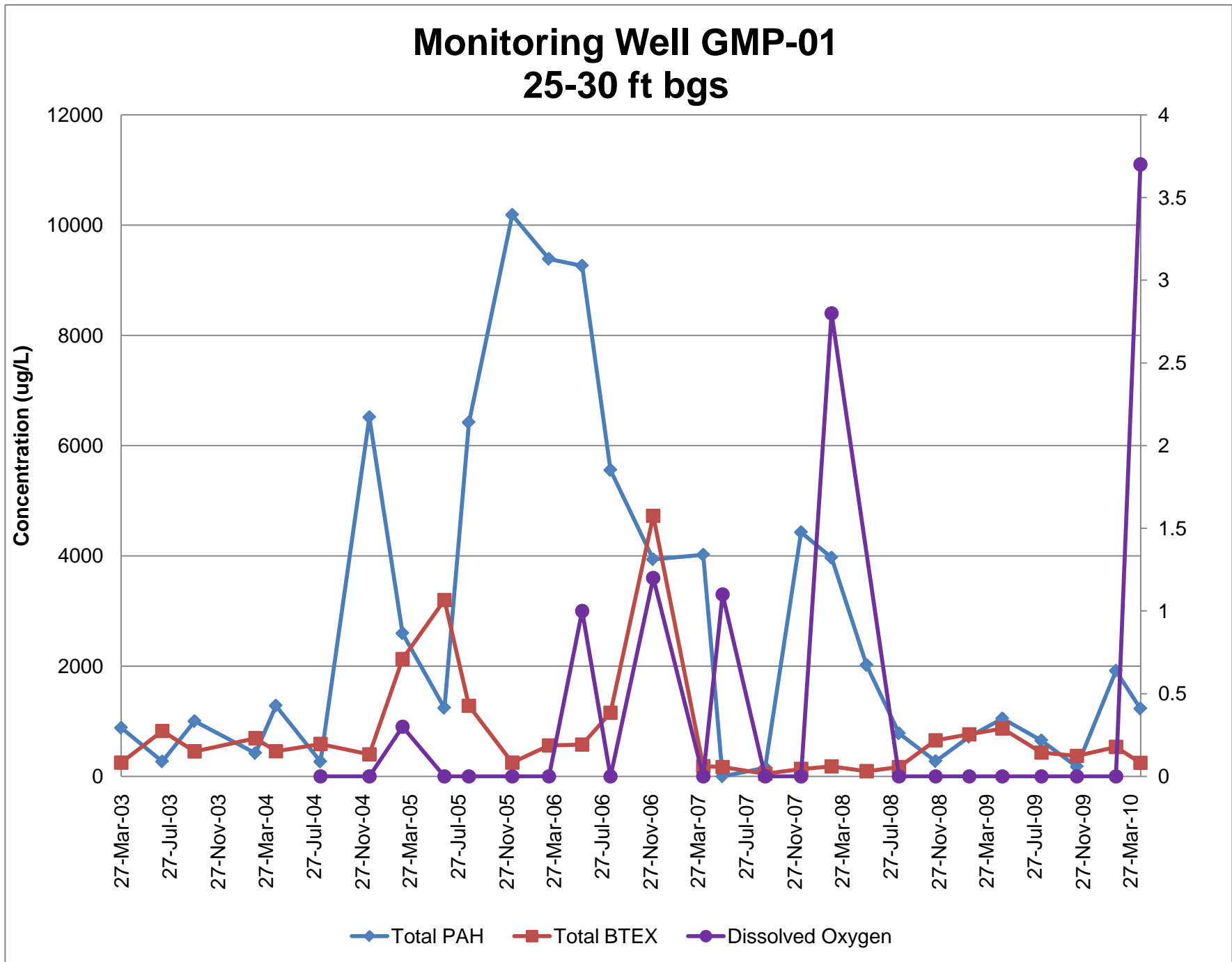


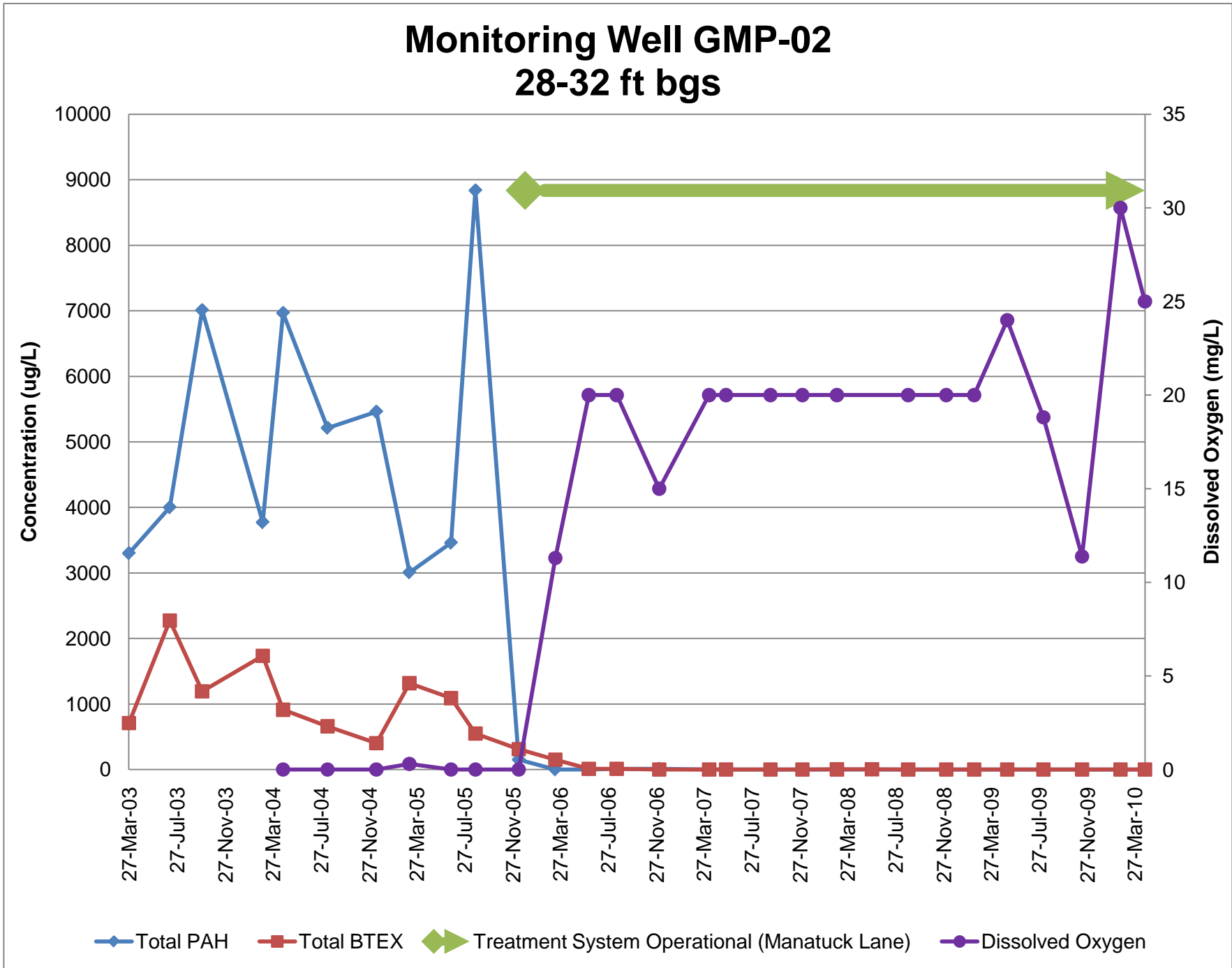


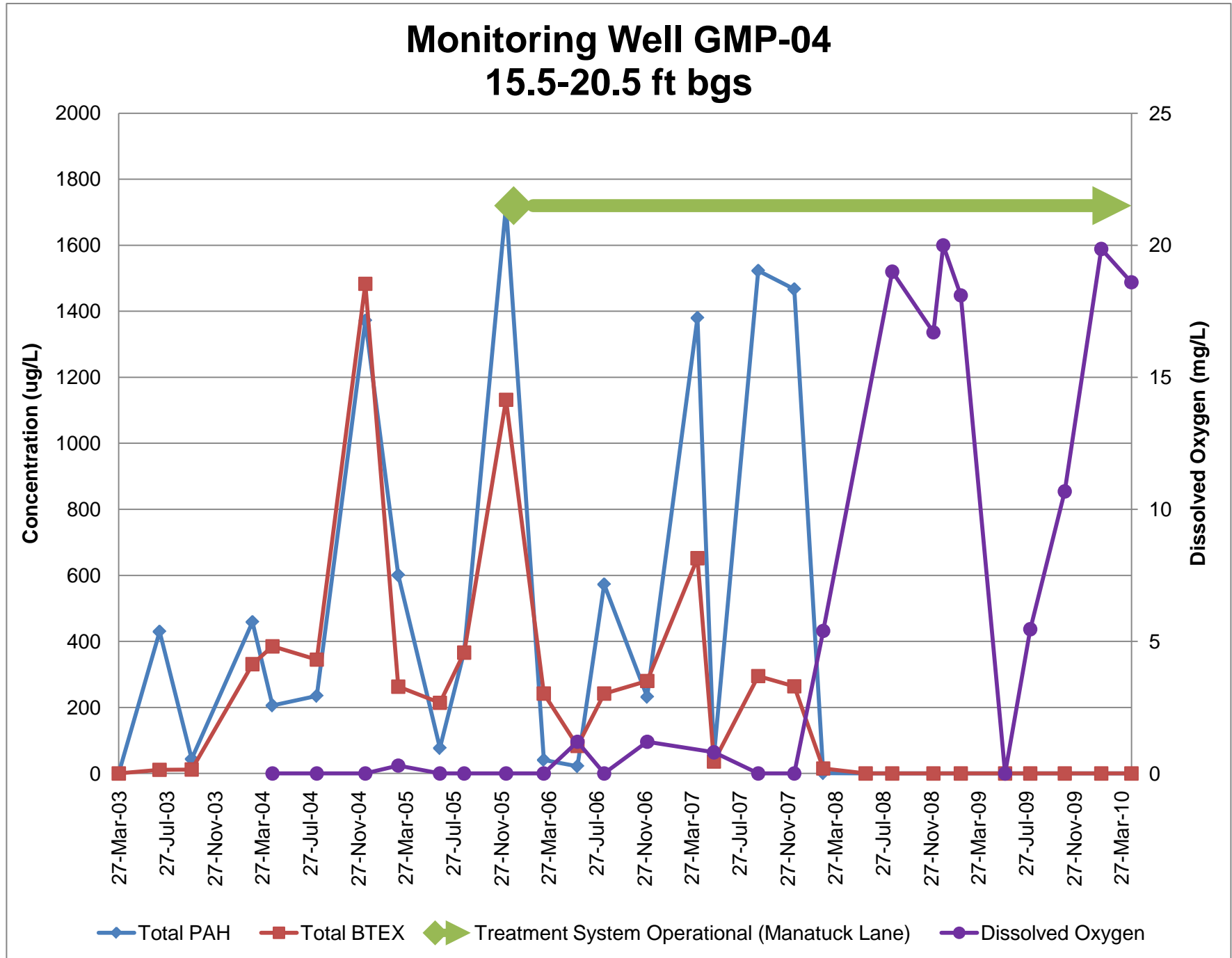


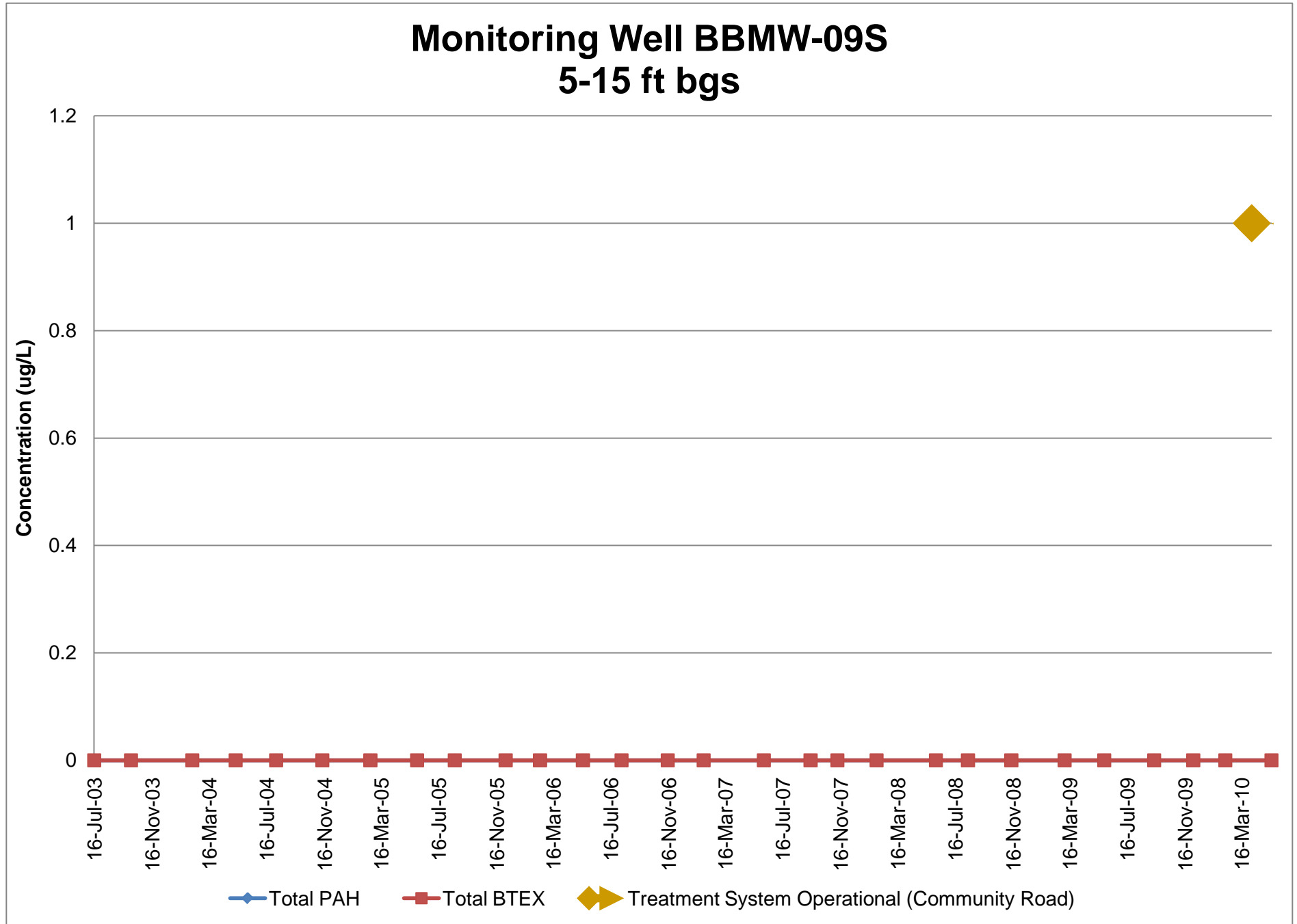


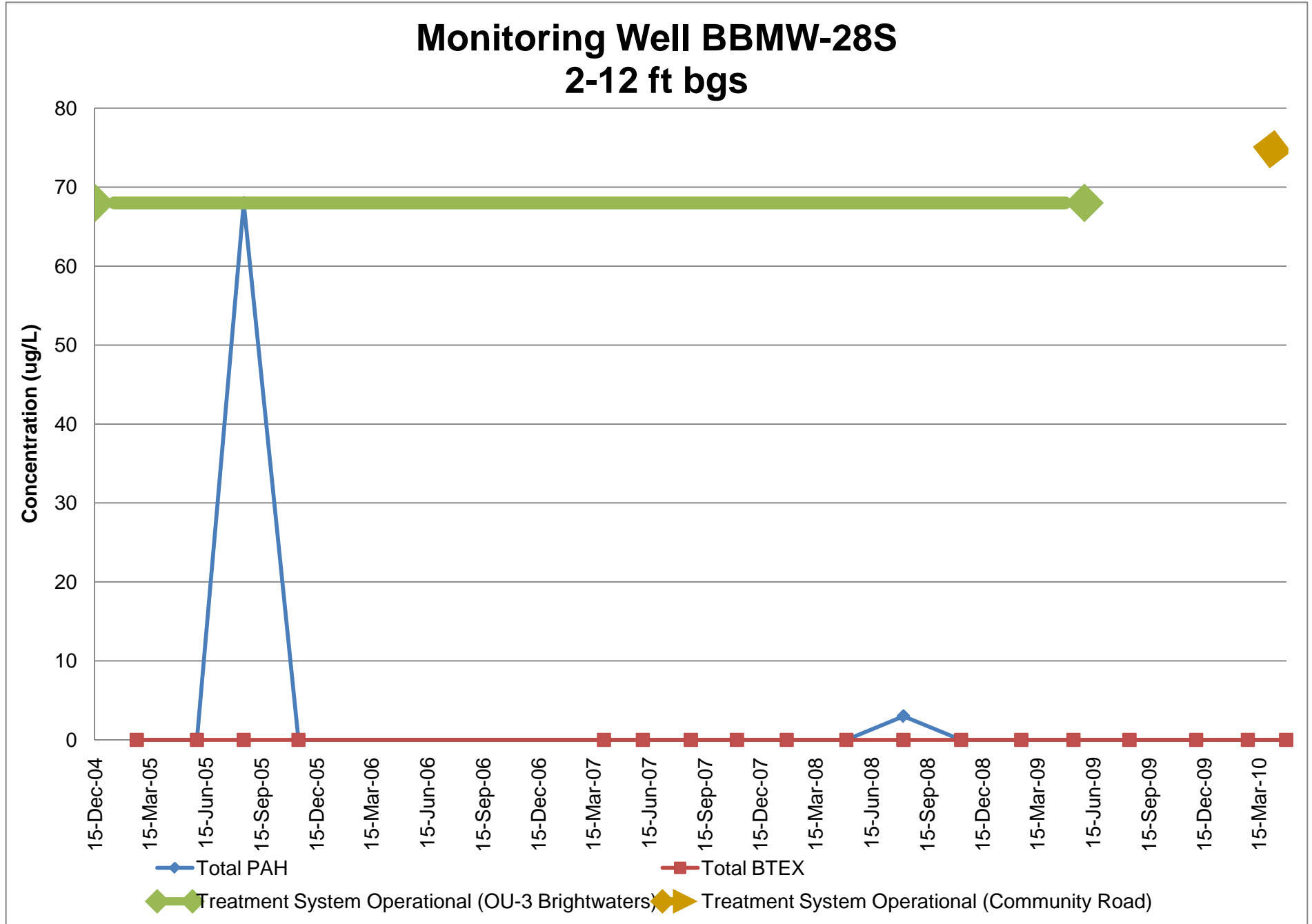


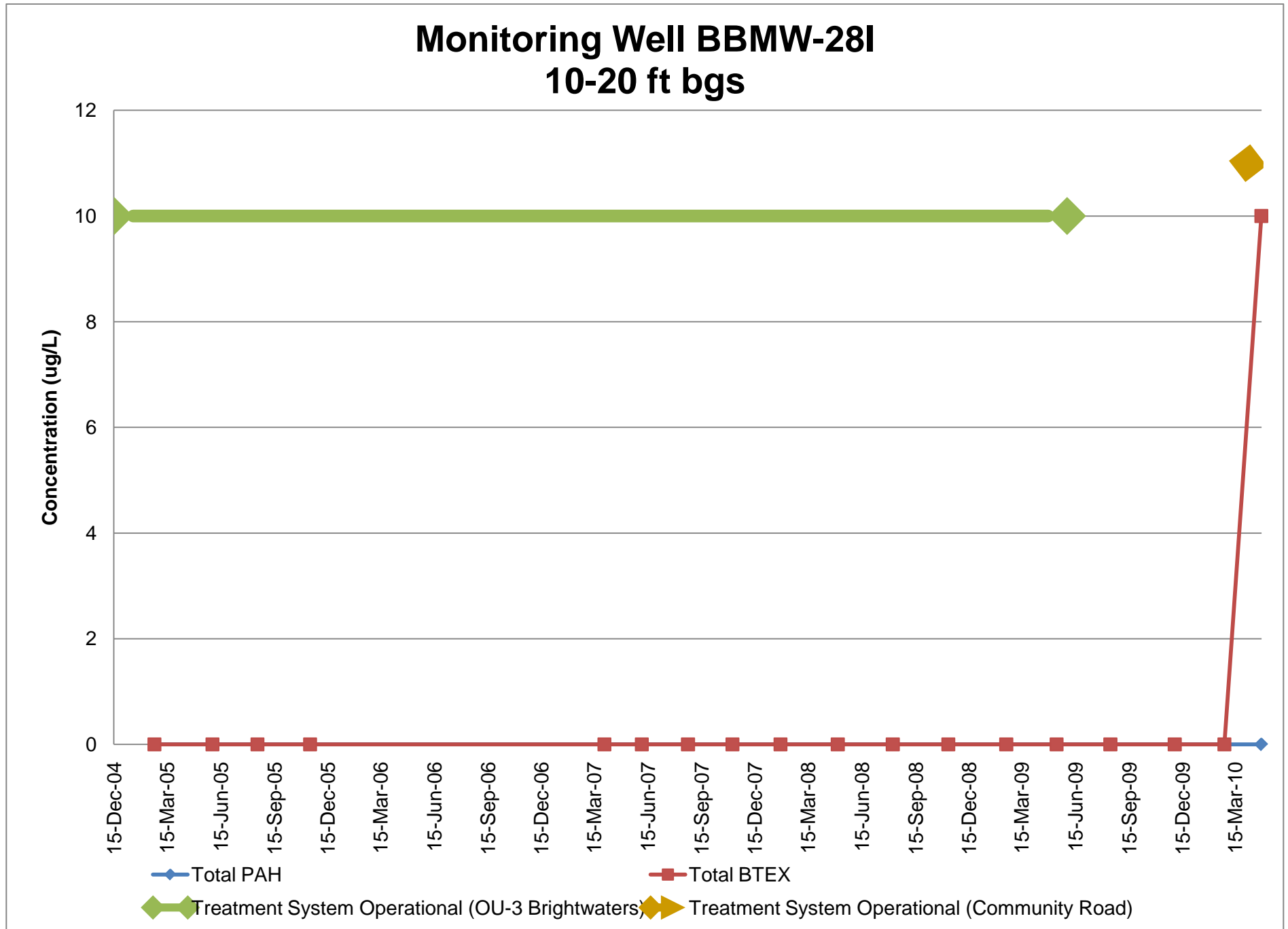




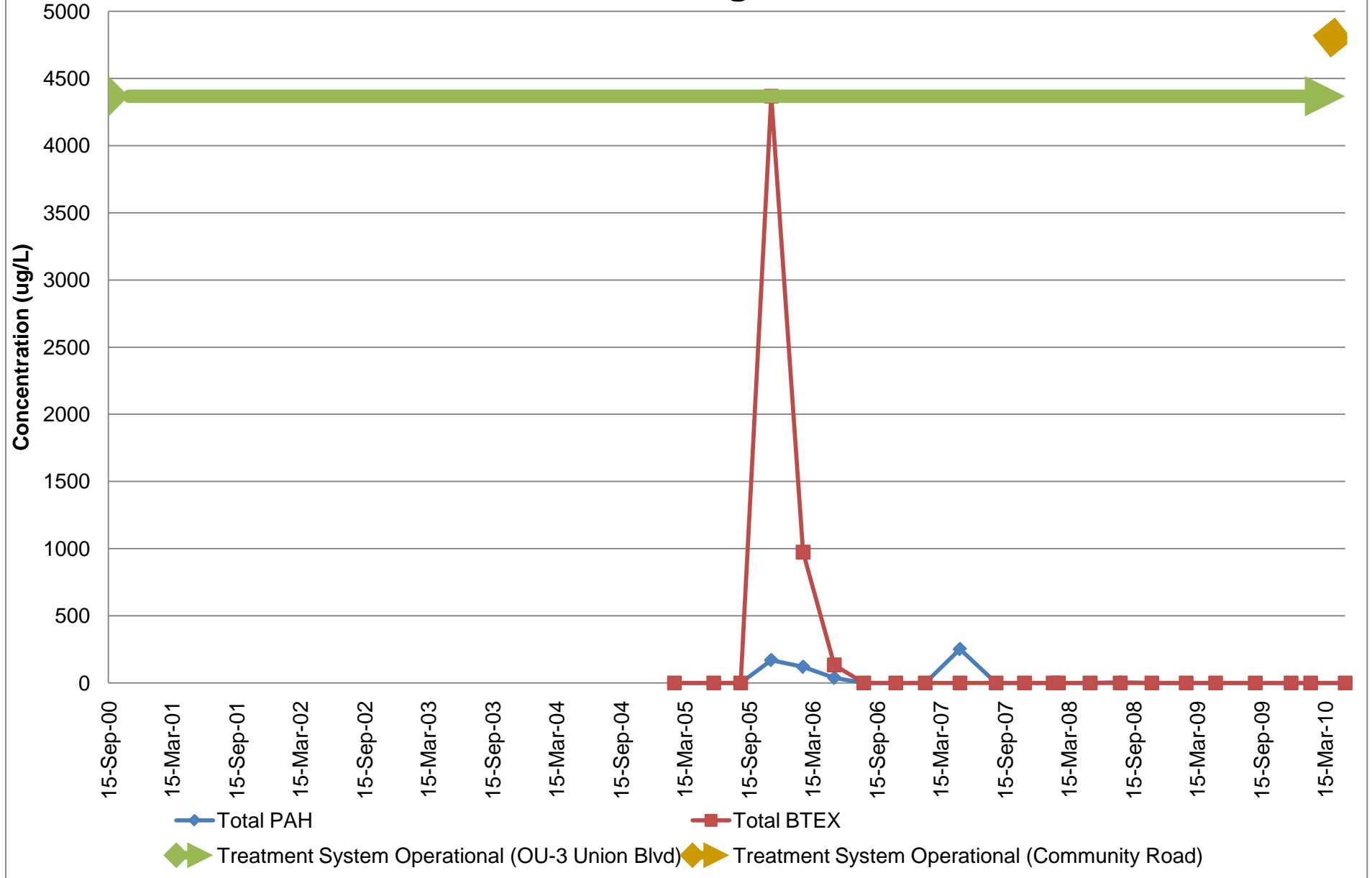


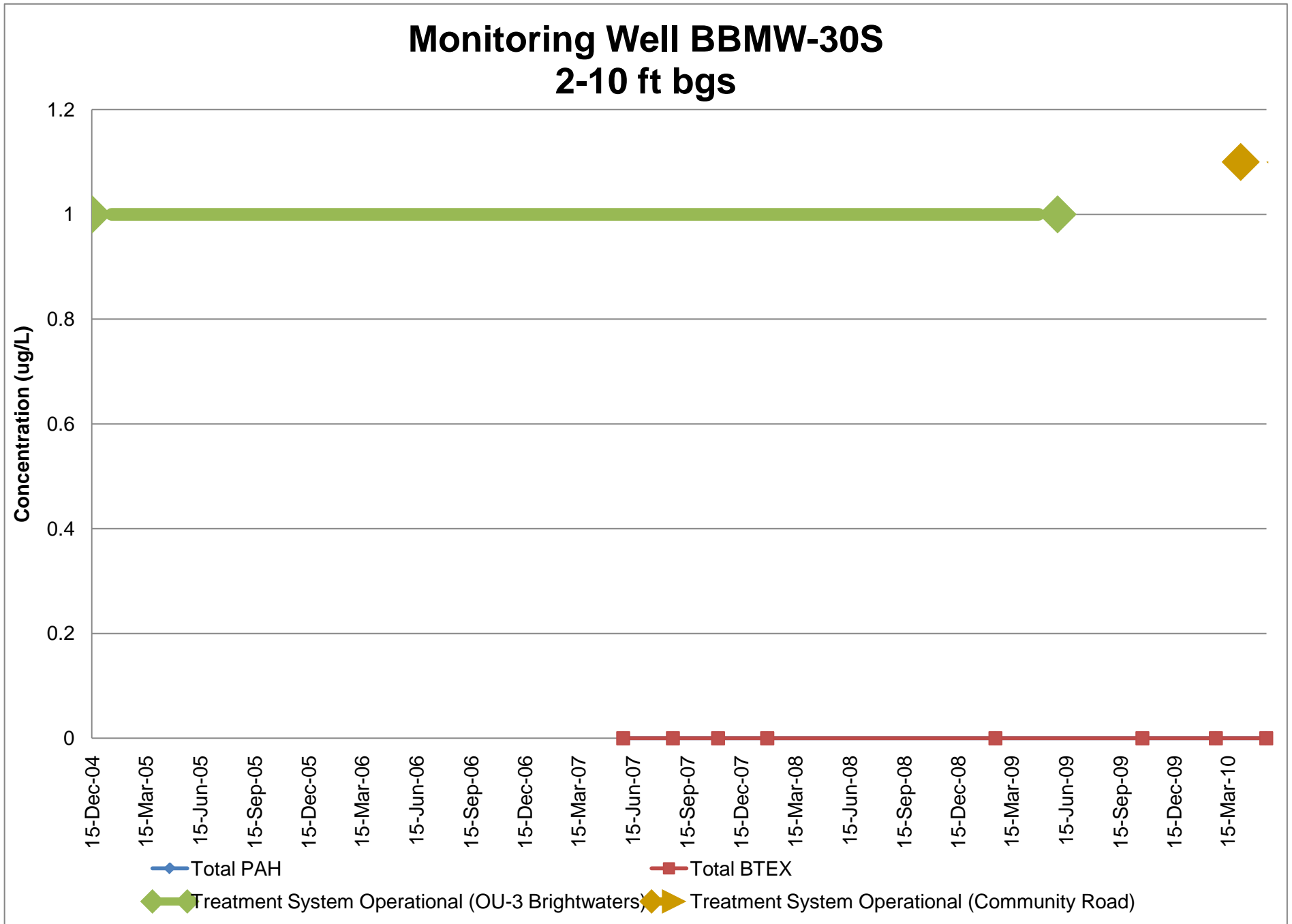


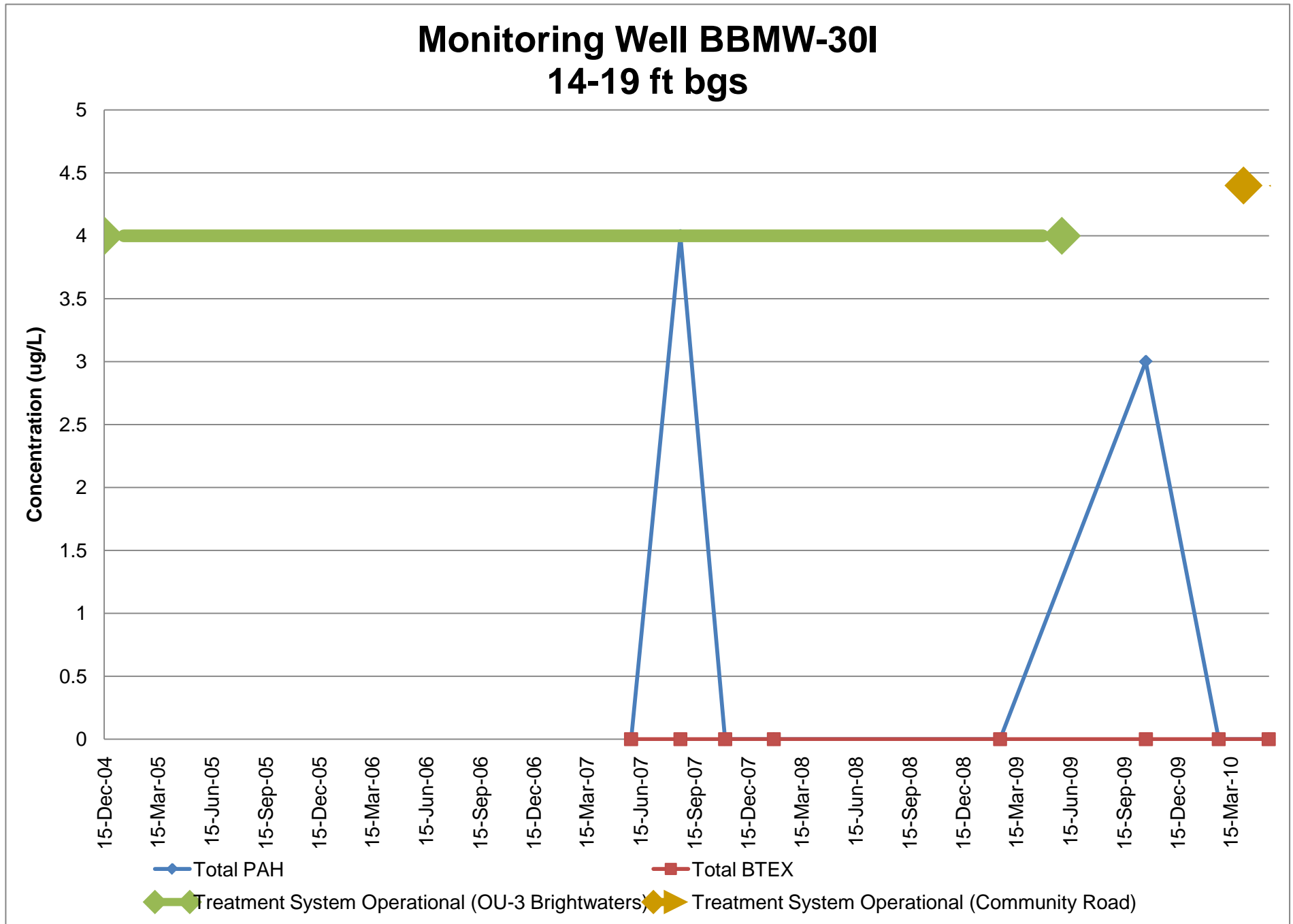




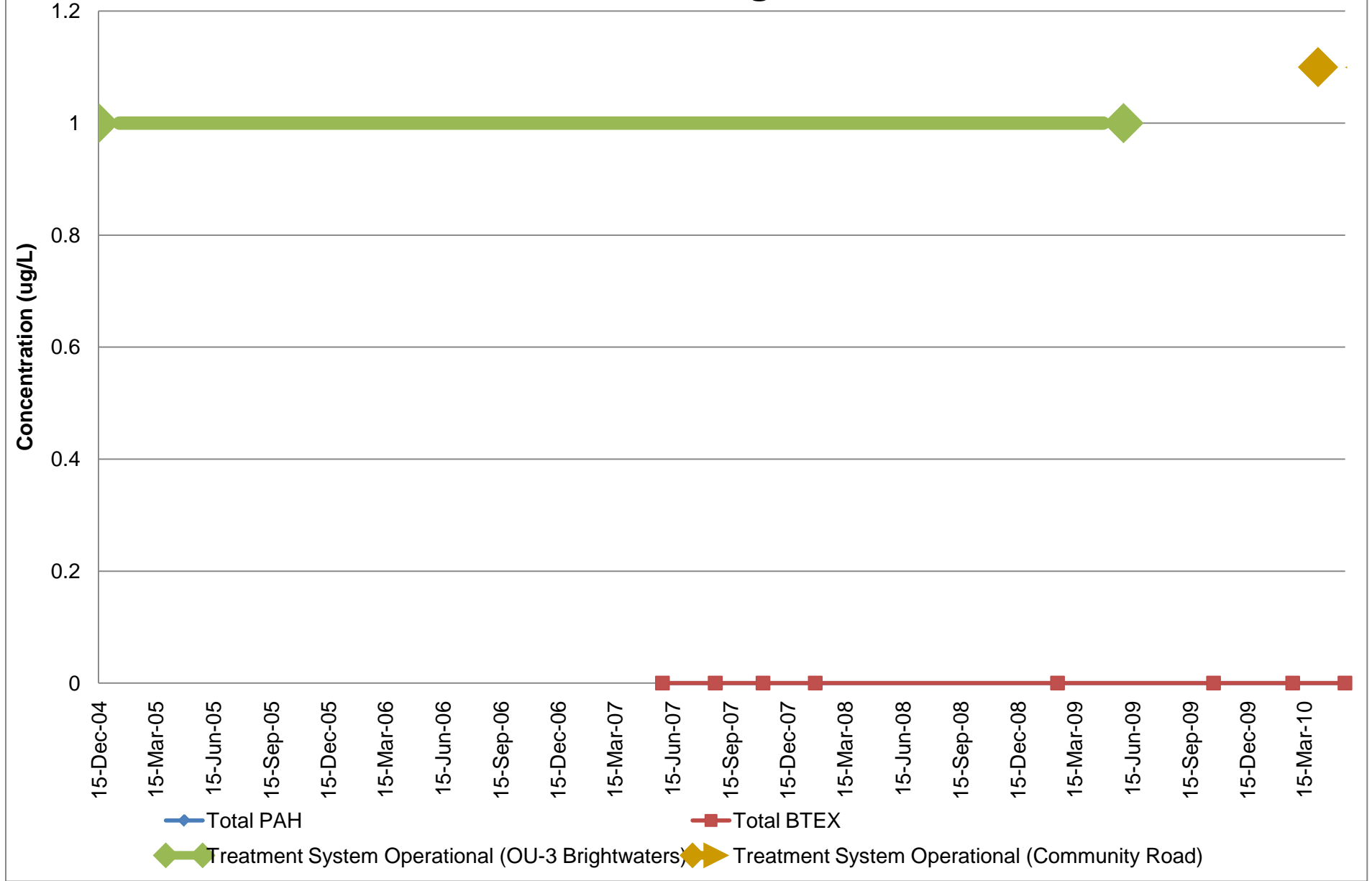
Monitoring Well BMW-29 2-9 ft bgs



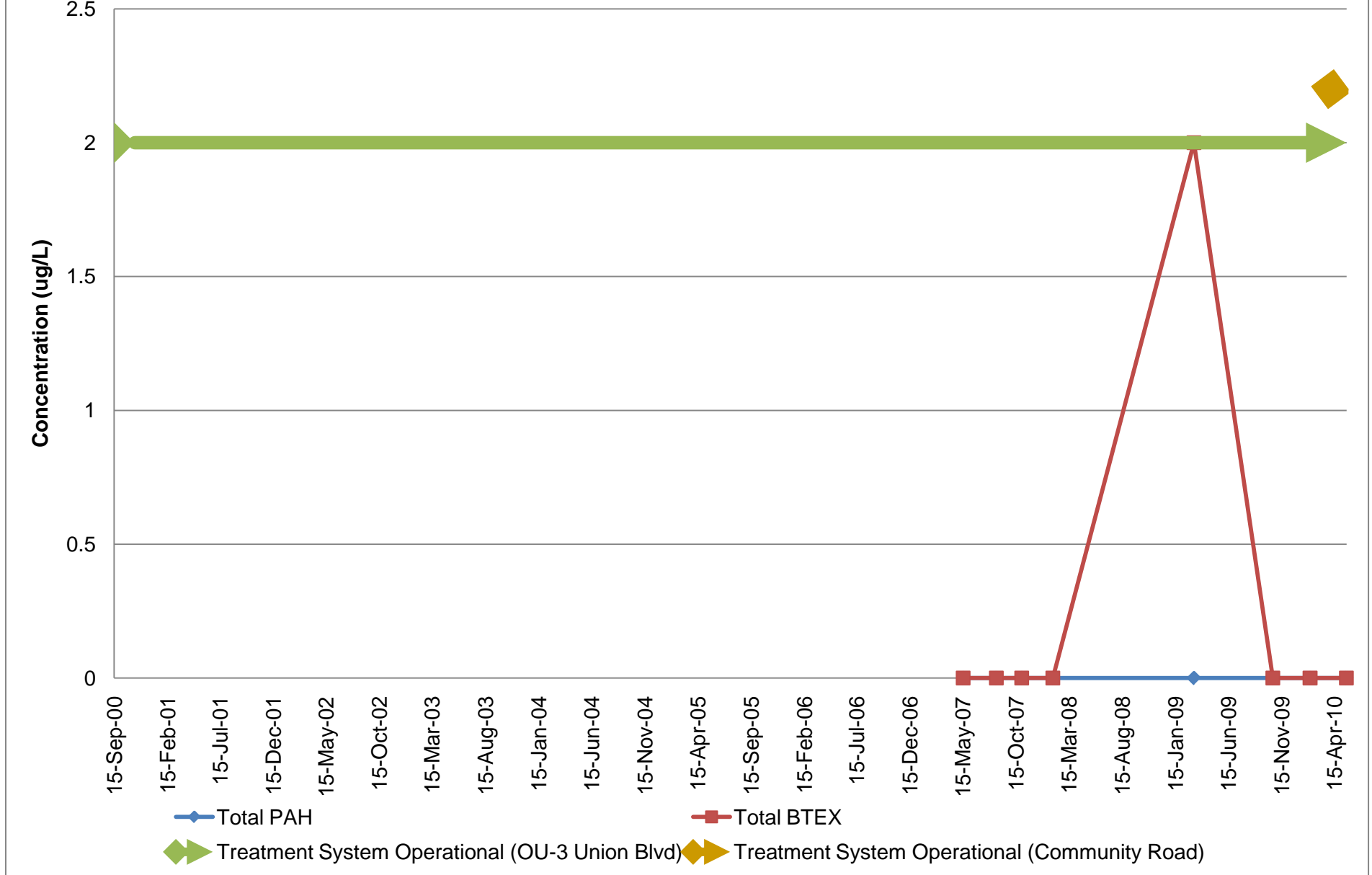




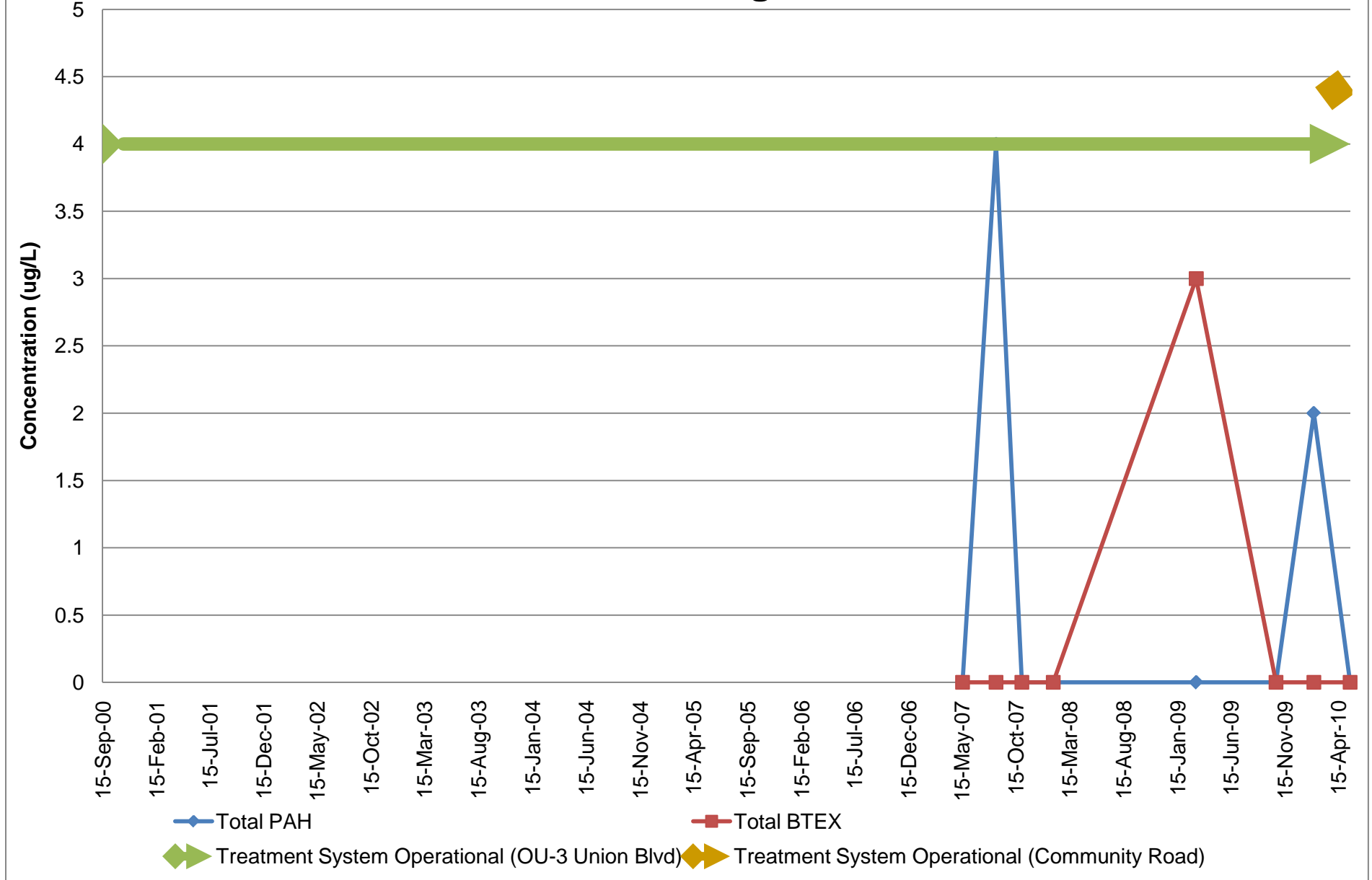
Monitoring Well BMW-30D 30-35 ft bgs



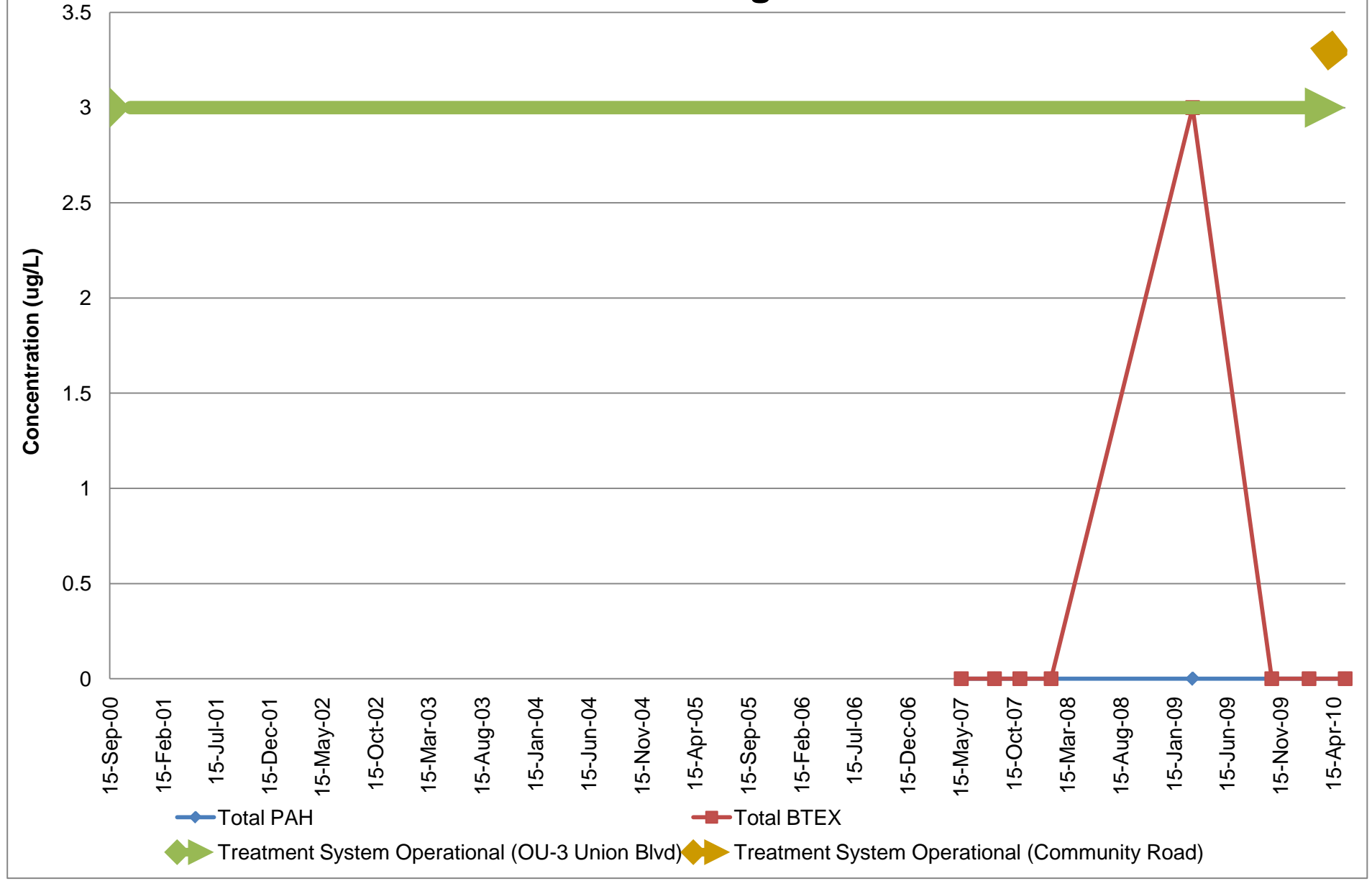
Monitoring Well BMW-31S 2-10 ft bgs



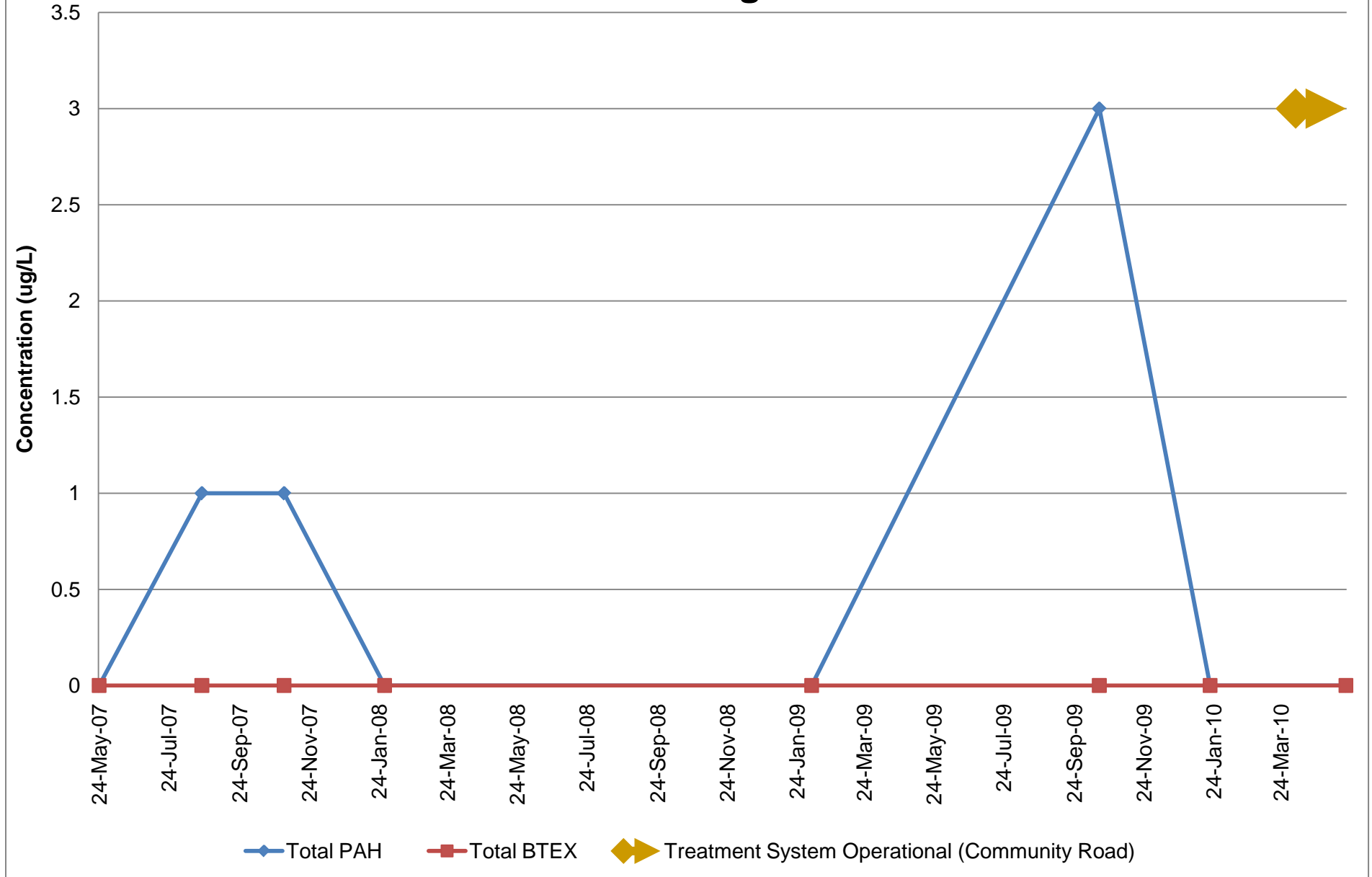
Monitoring Well BMW-31I 14-19 ft bgs



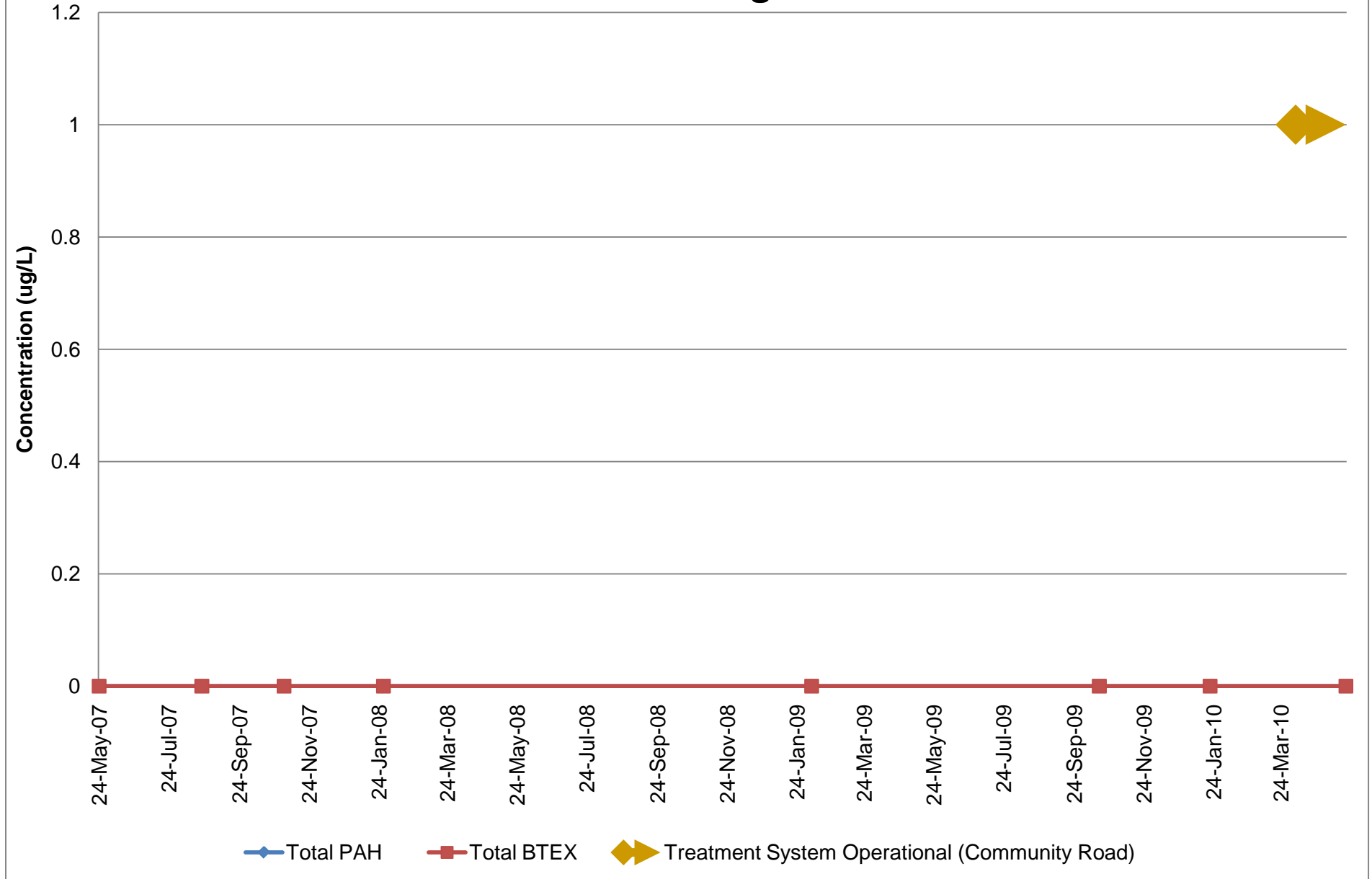
Monitoring Well BMW-31D 30-35 ft bgs

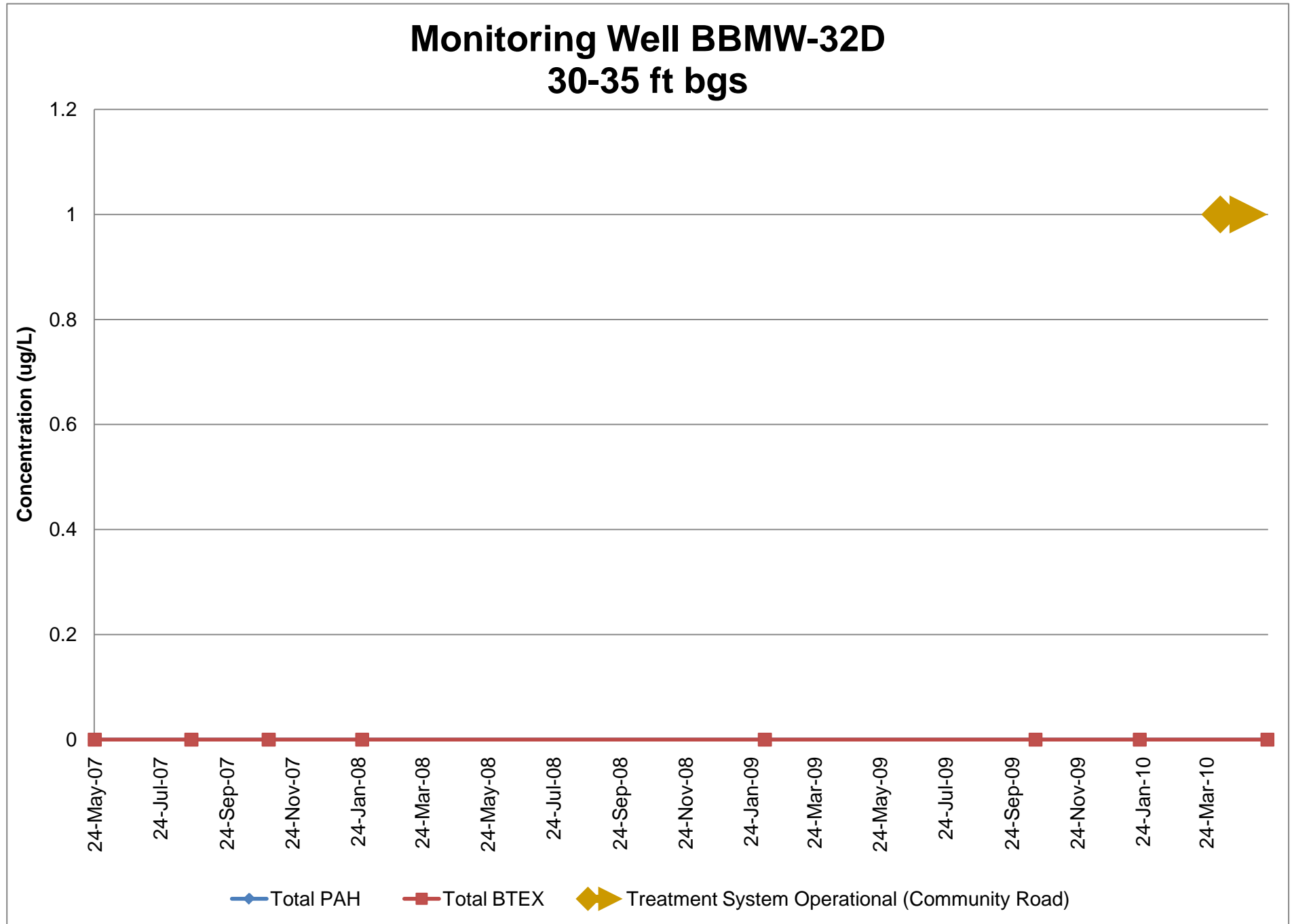


Monitoring Well BMW-32S 2-10 ft bgs

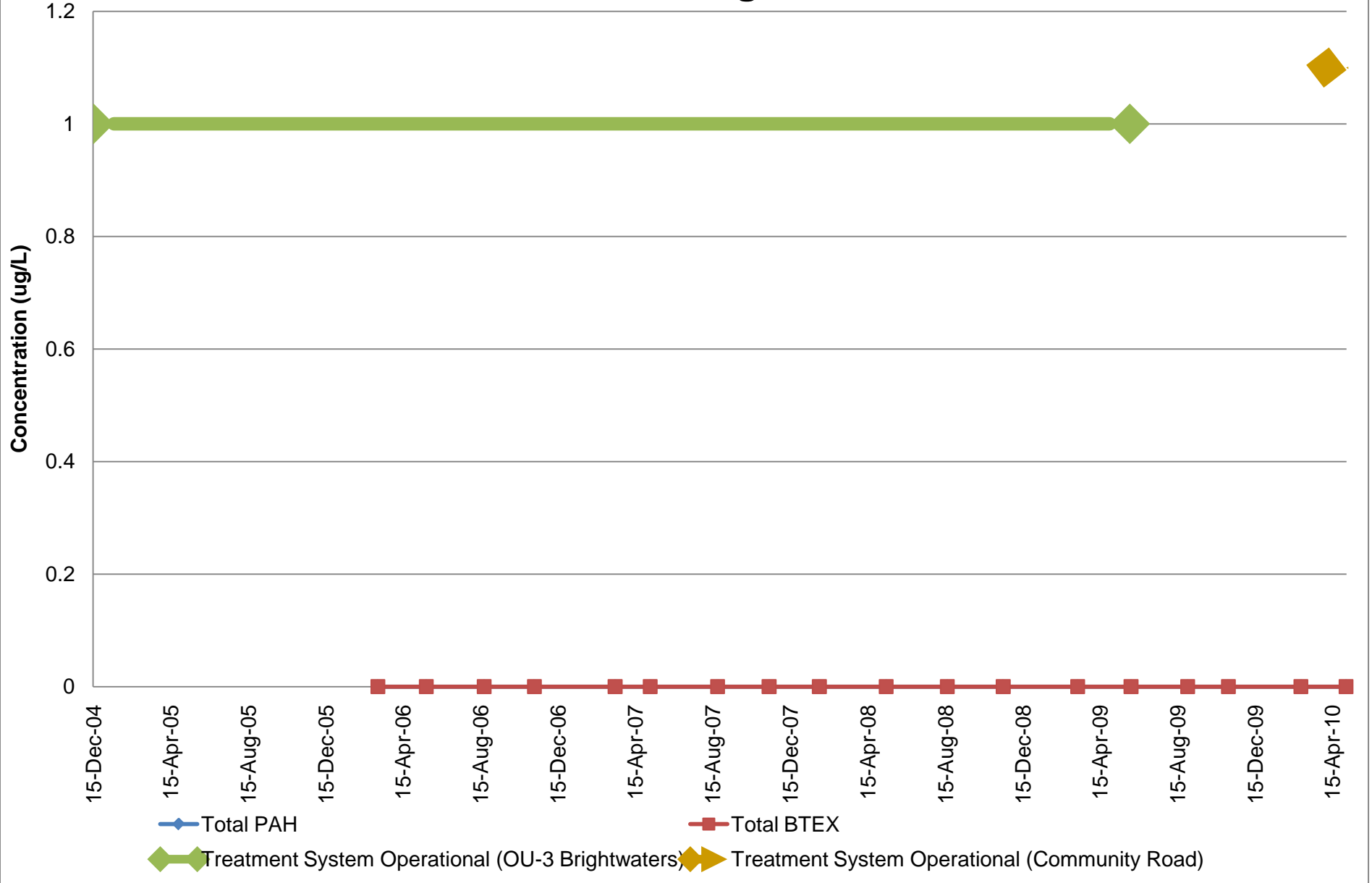


Monitoring Well BMW-32I 14-19 ft bgs

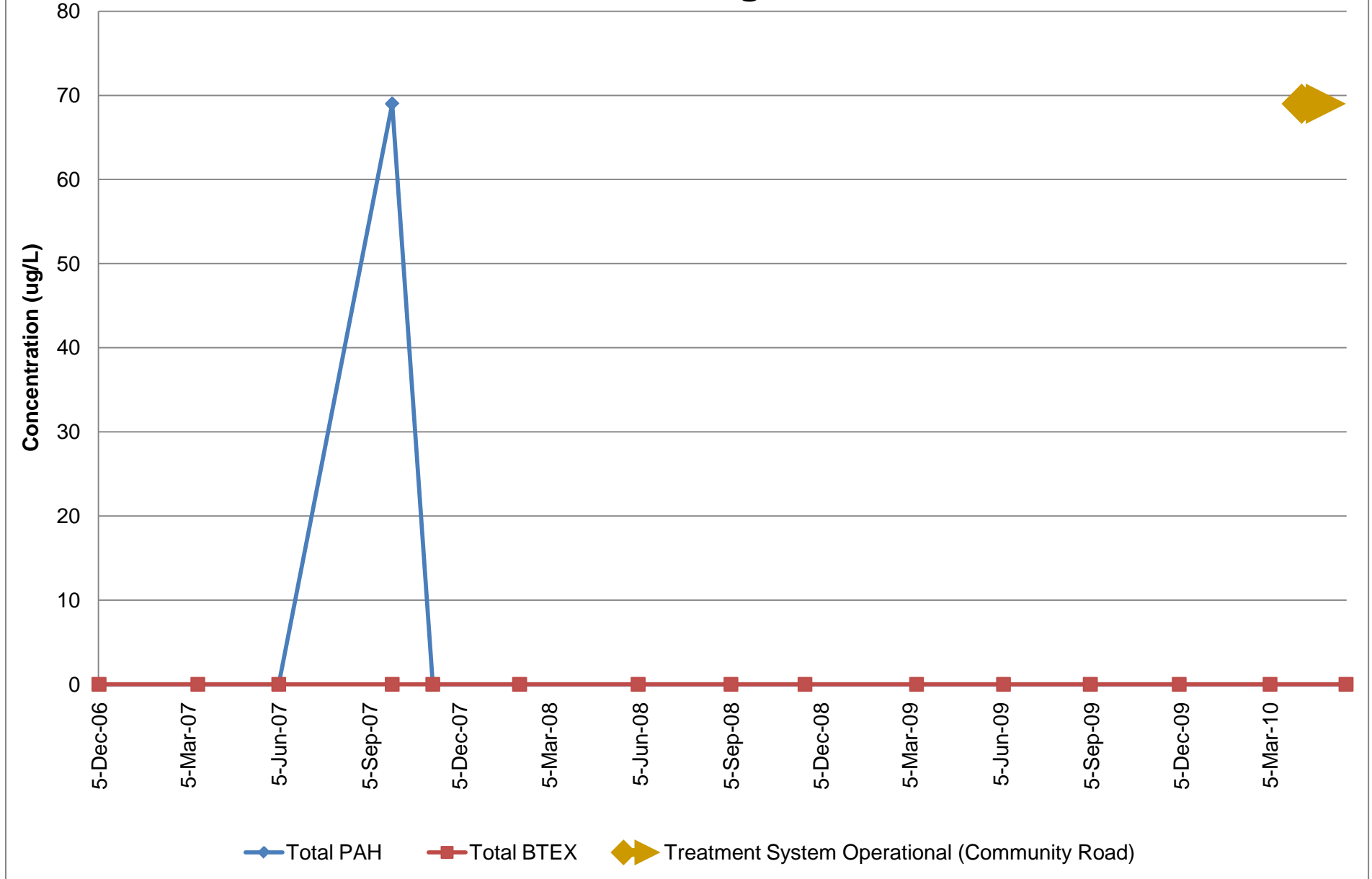


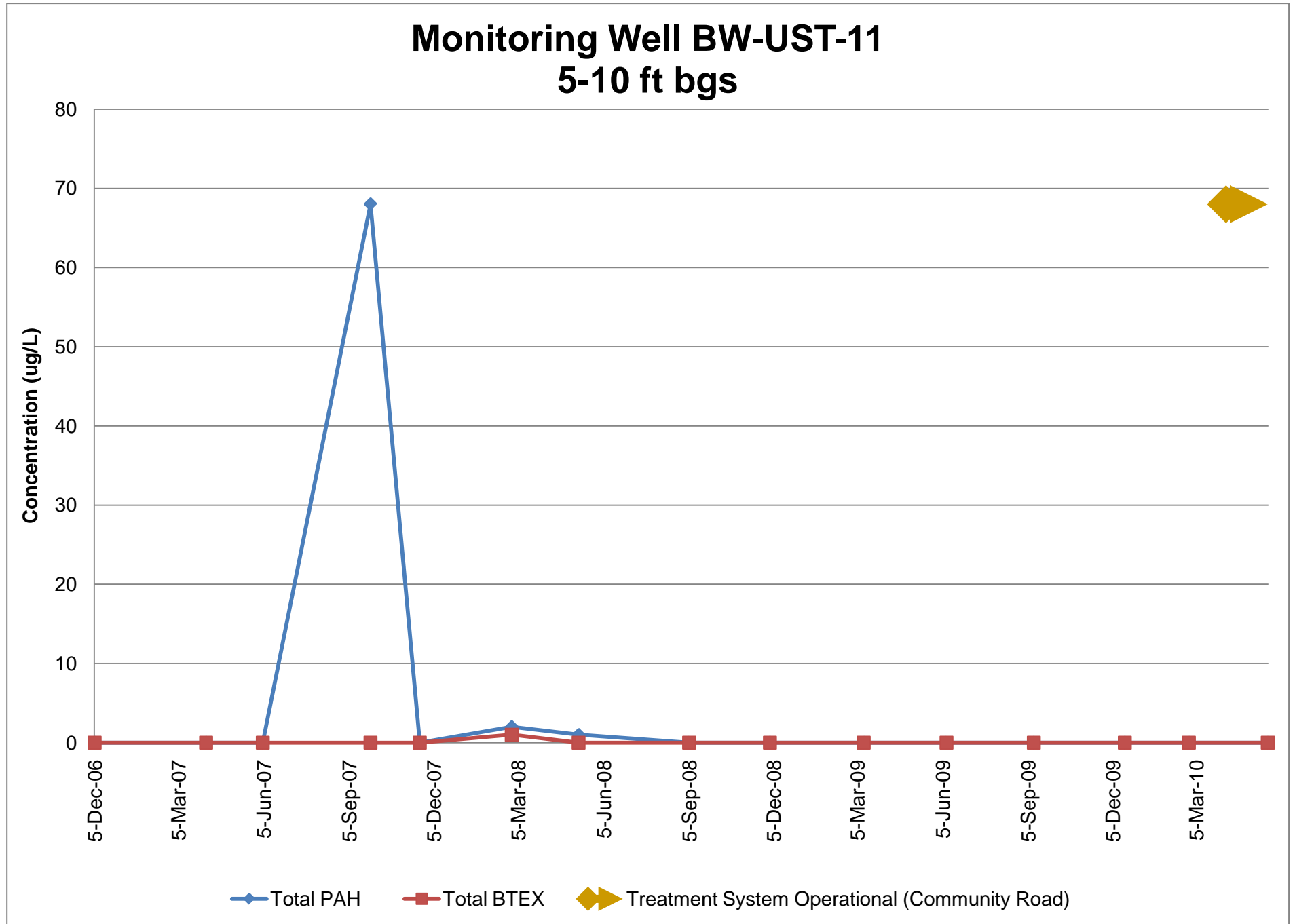


Monitoring Well BMW-33 7-12 ft bgs

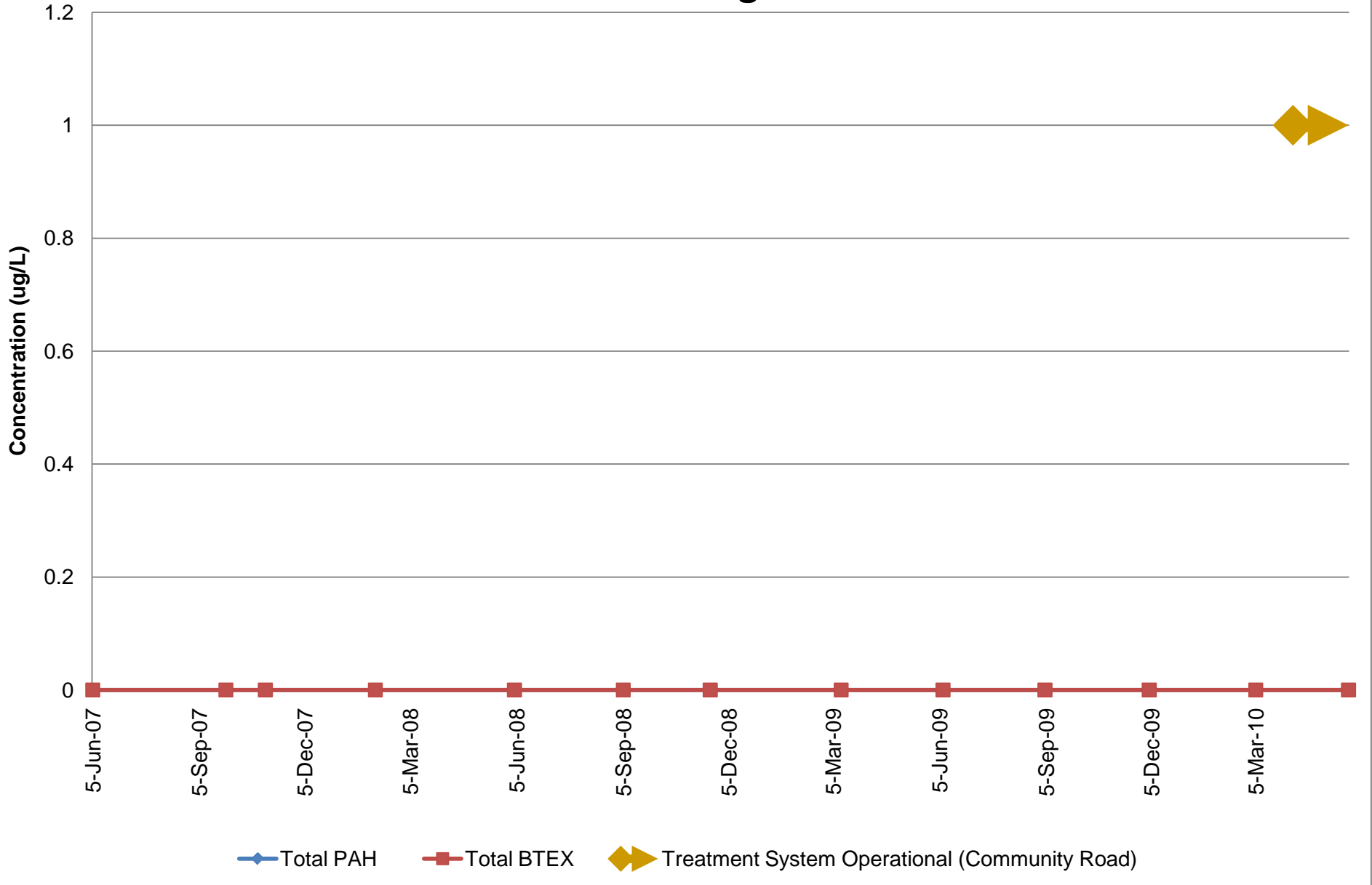


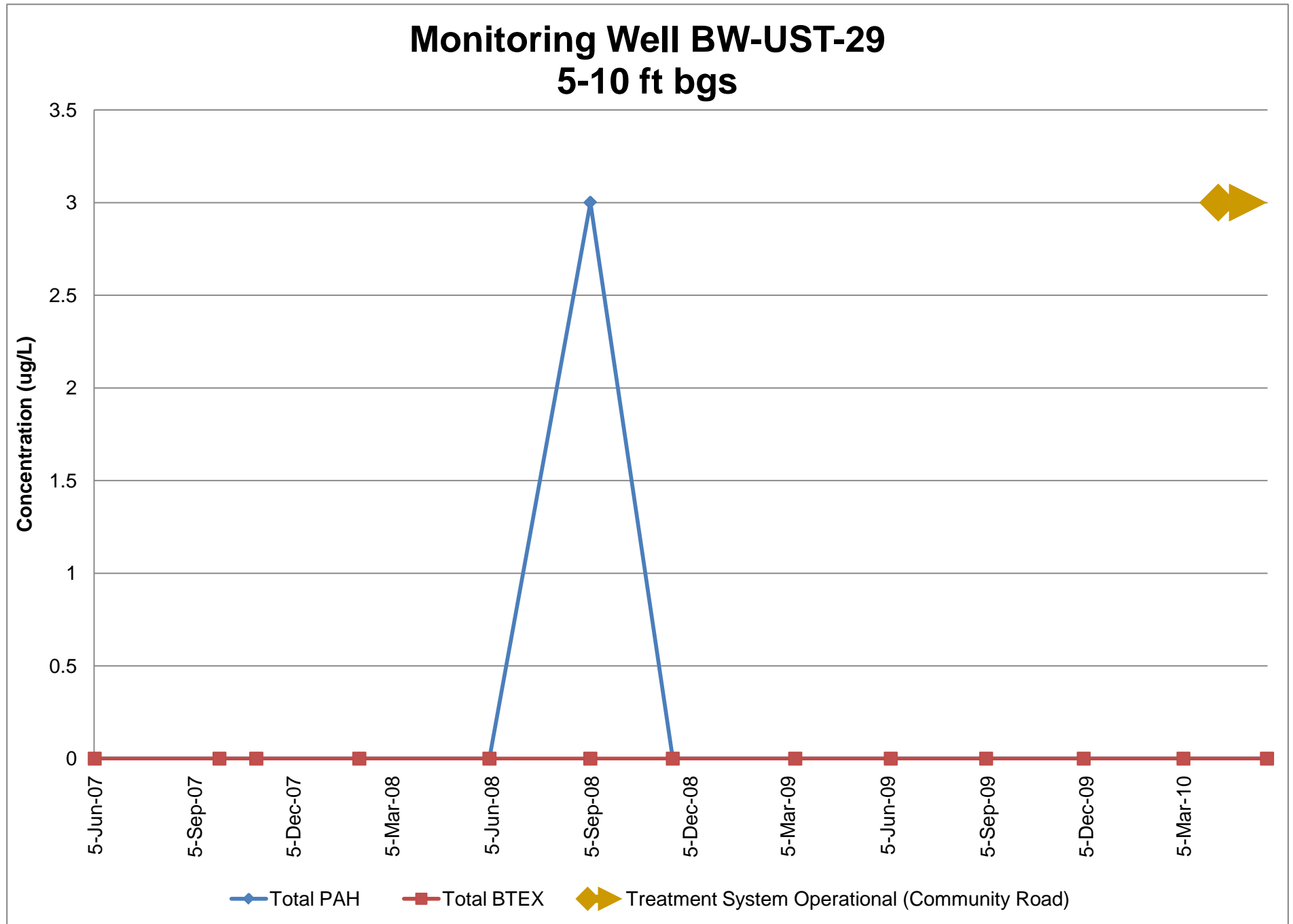
Monitoring Well BW-UST-10 5-10 ft bgs

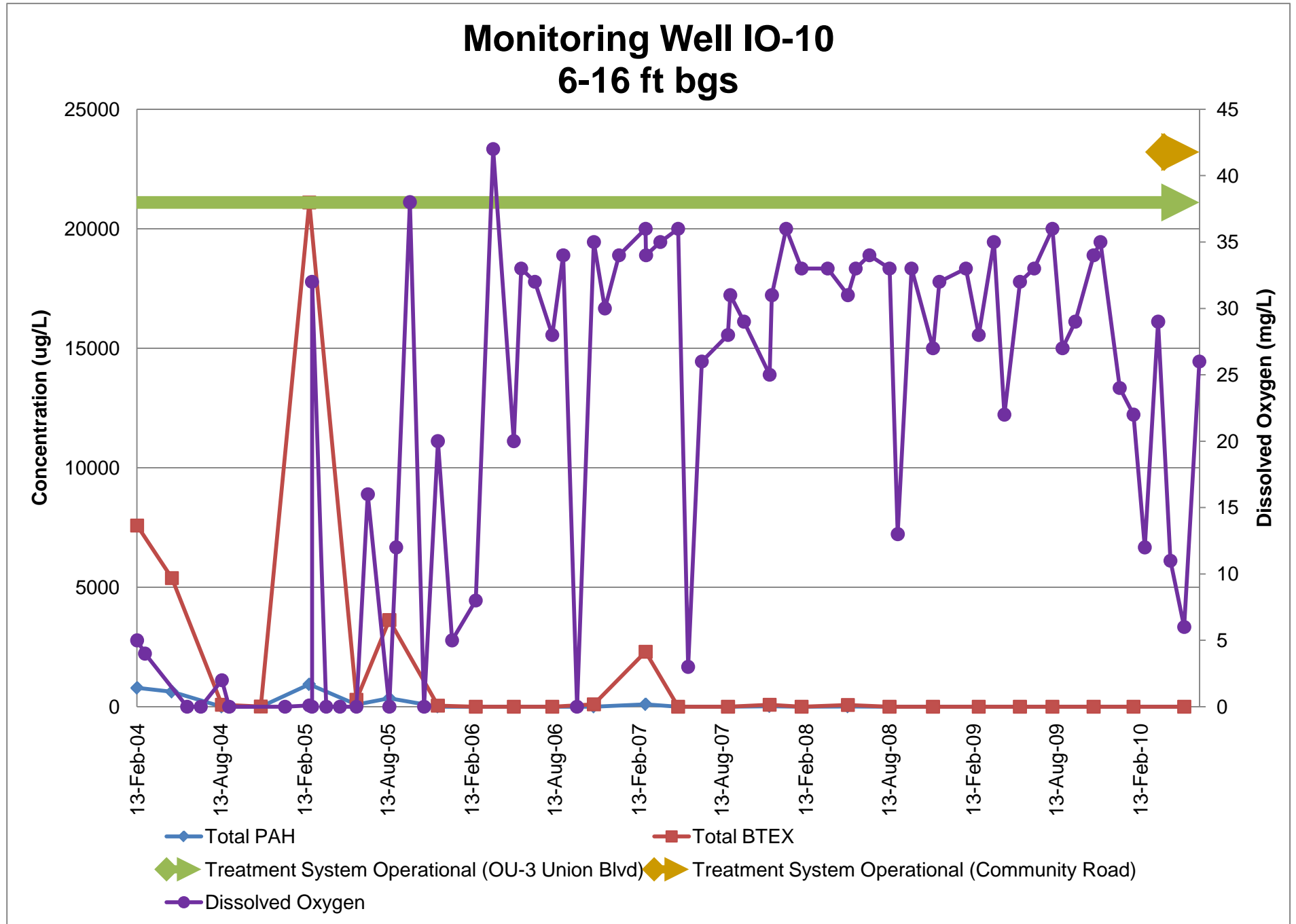


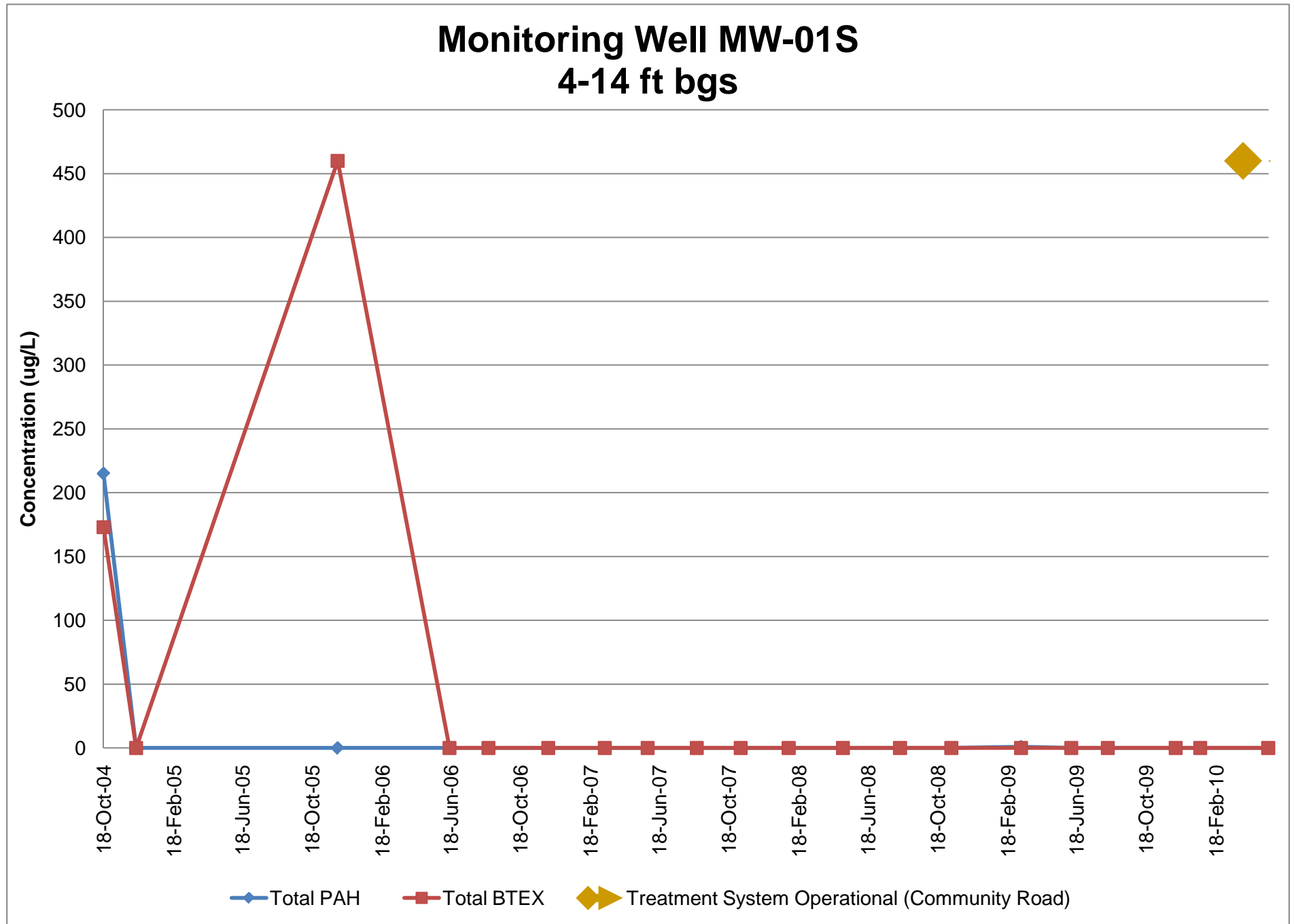


Monitoring Well BW-UST-28 5-10 ft bgs

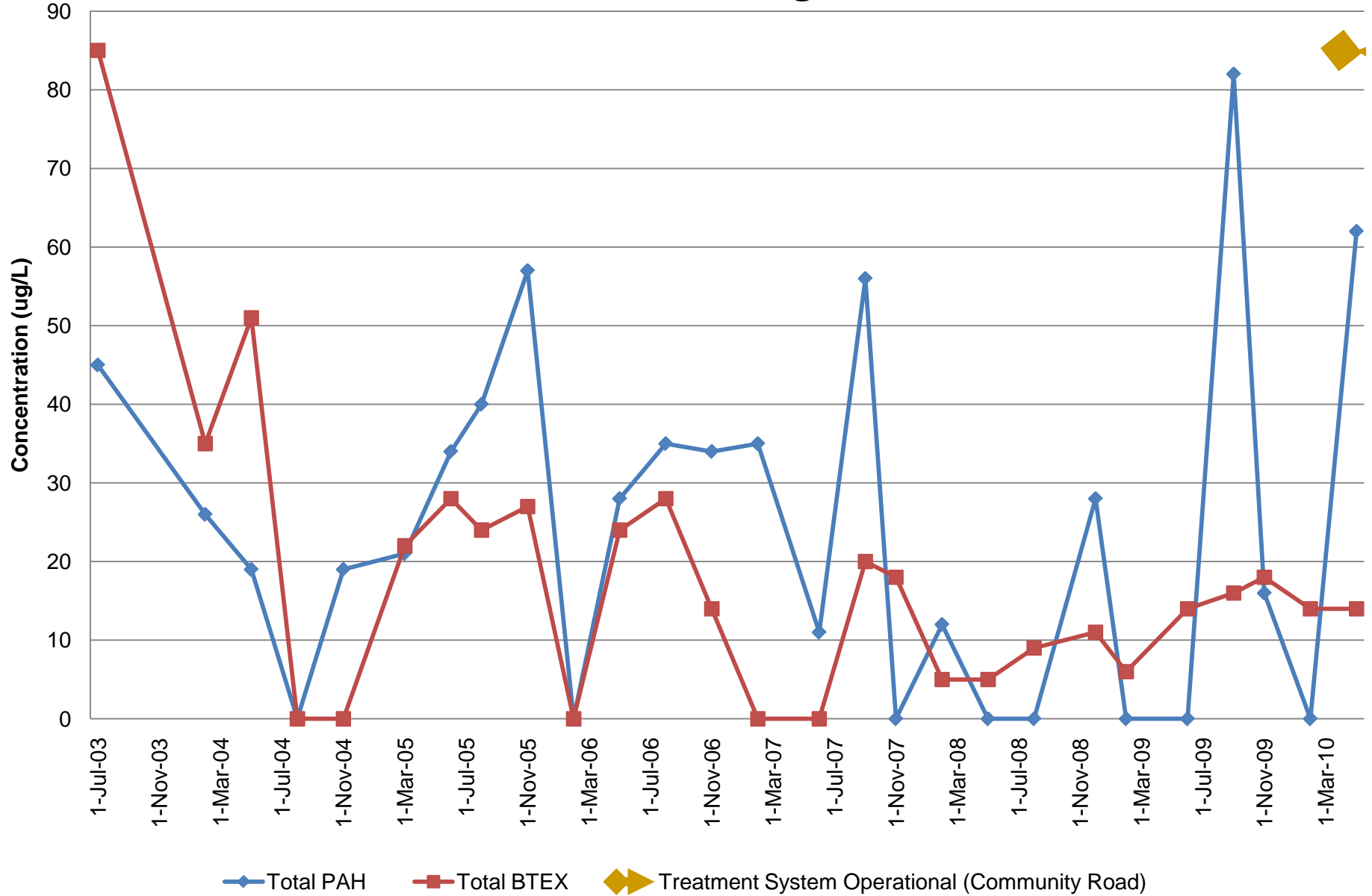




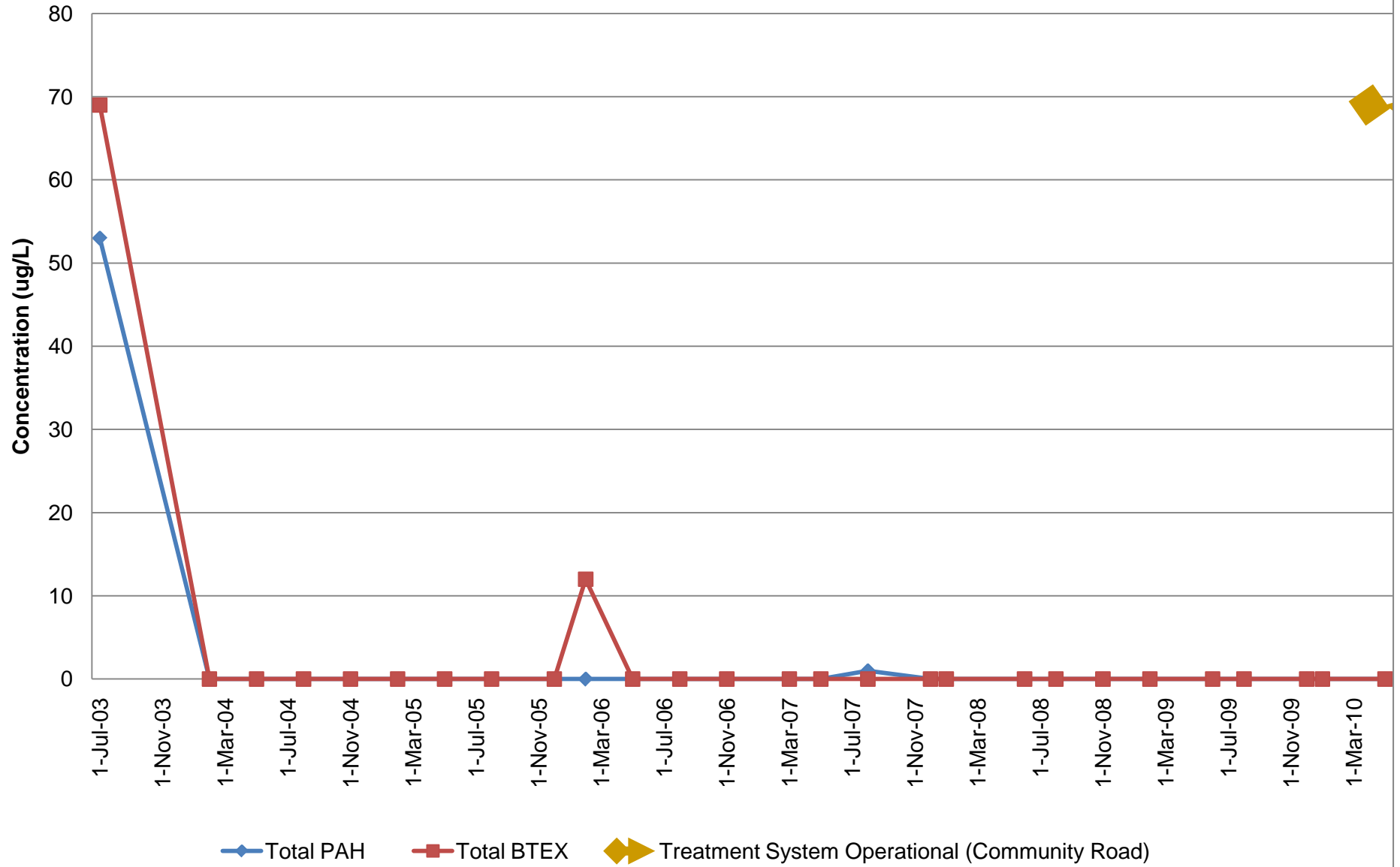


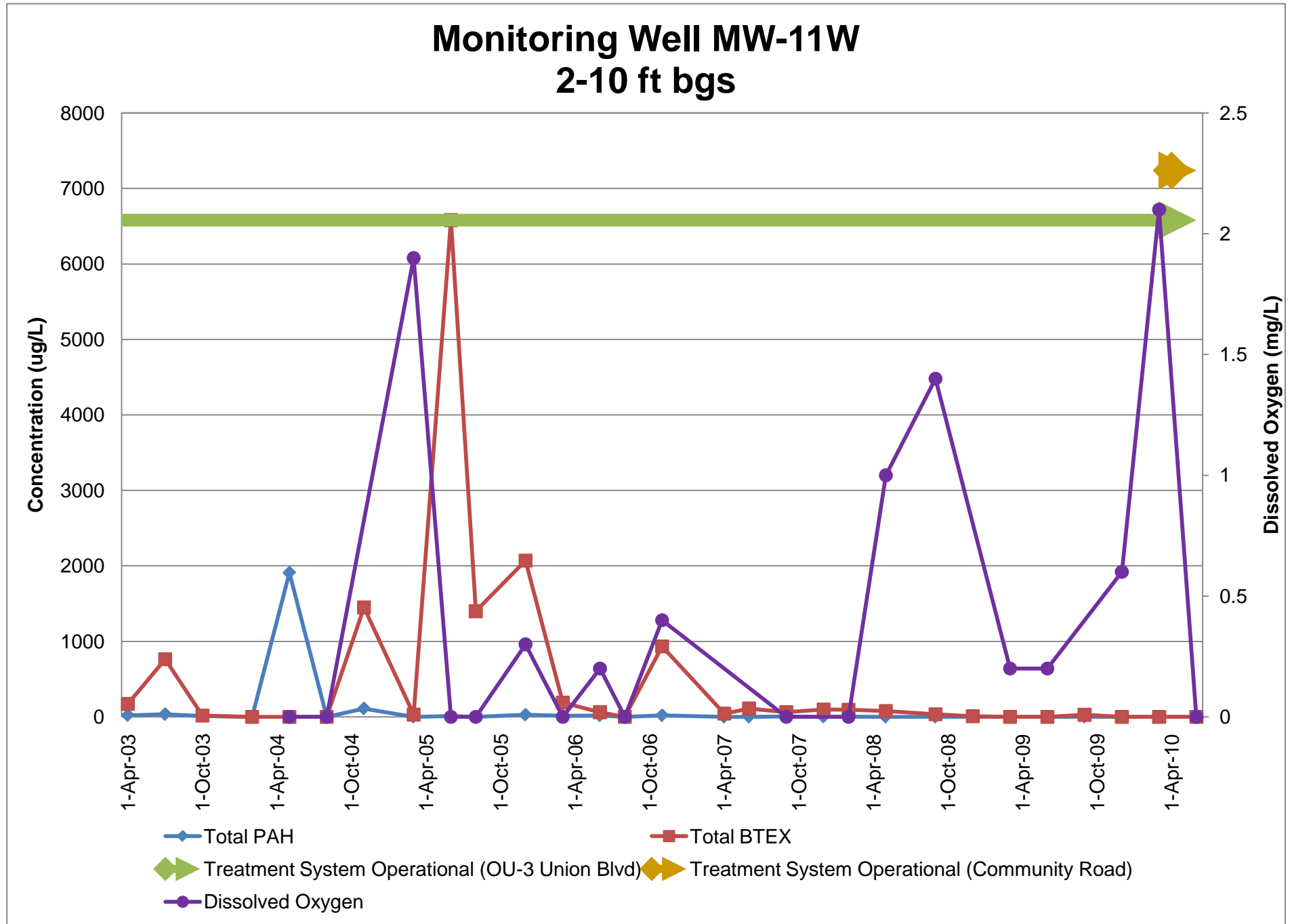


Monitoring Well MW-03 4.94-14.94 ft bgs

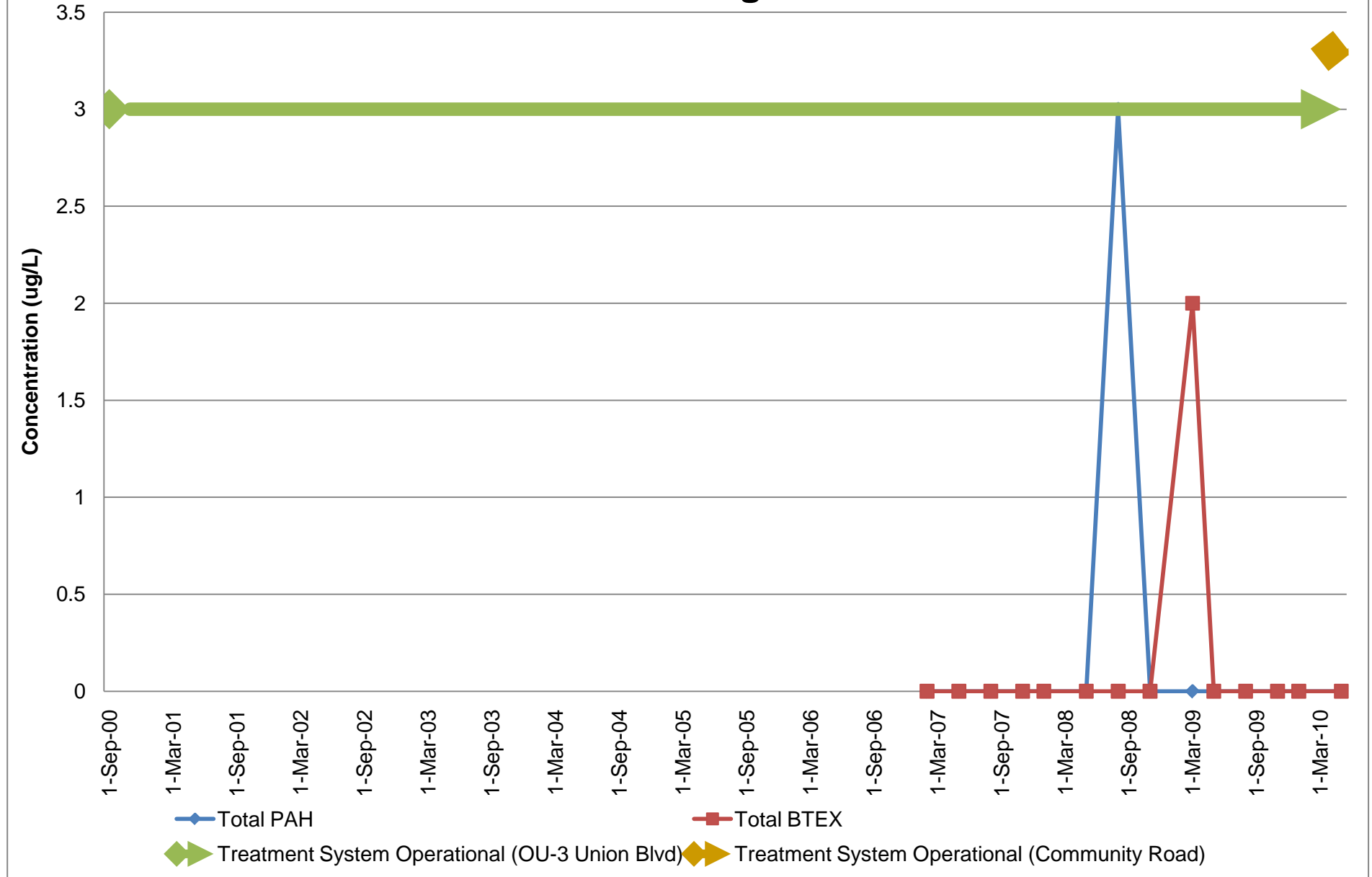


Monitoring Well MW-04 5.1-15.1ft bgs

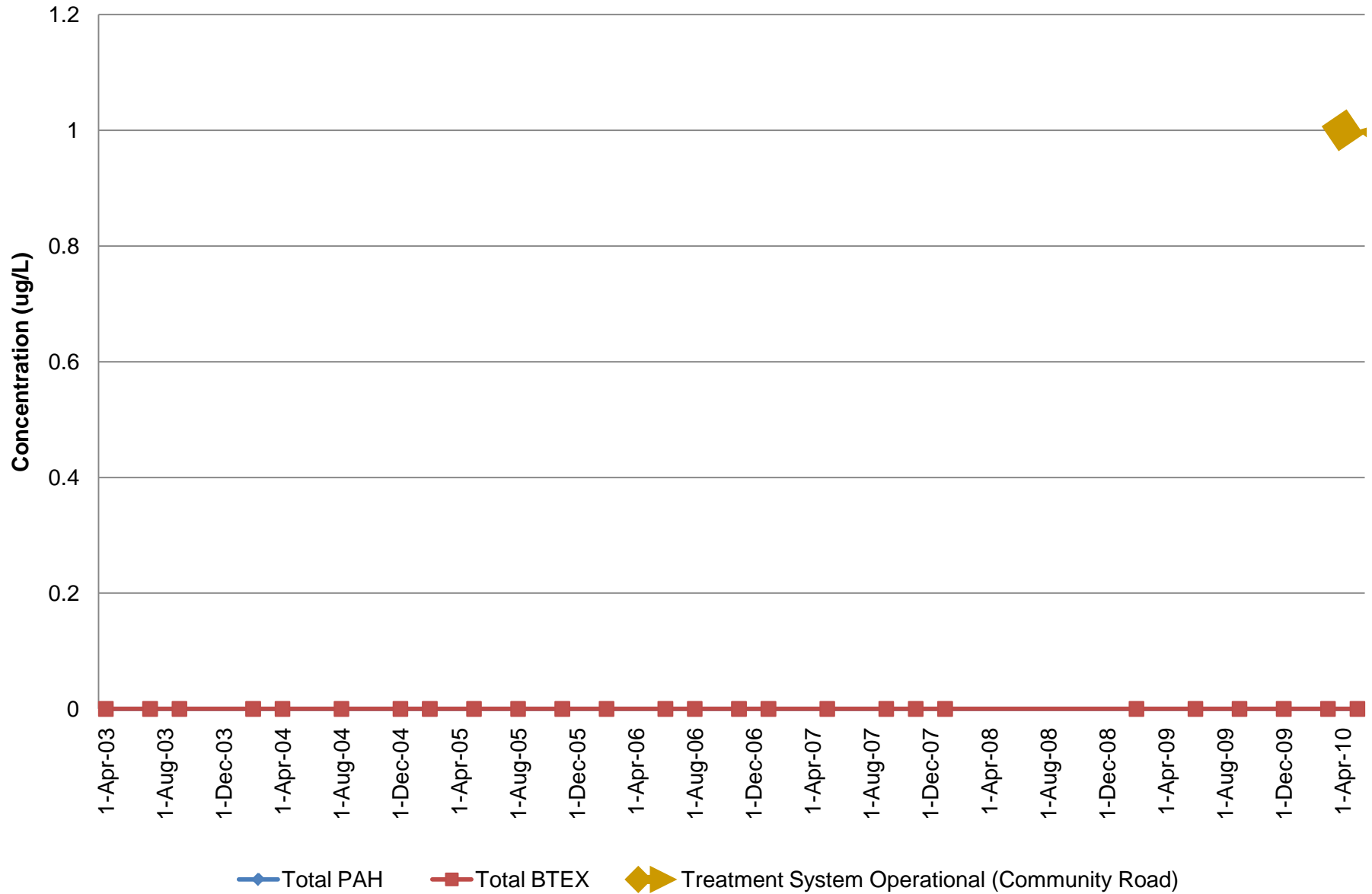




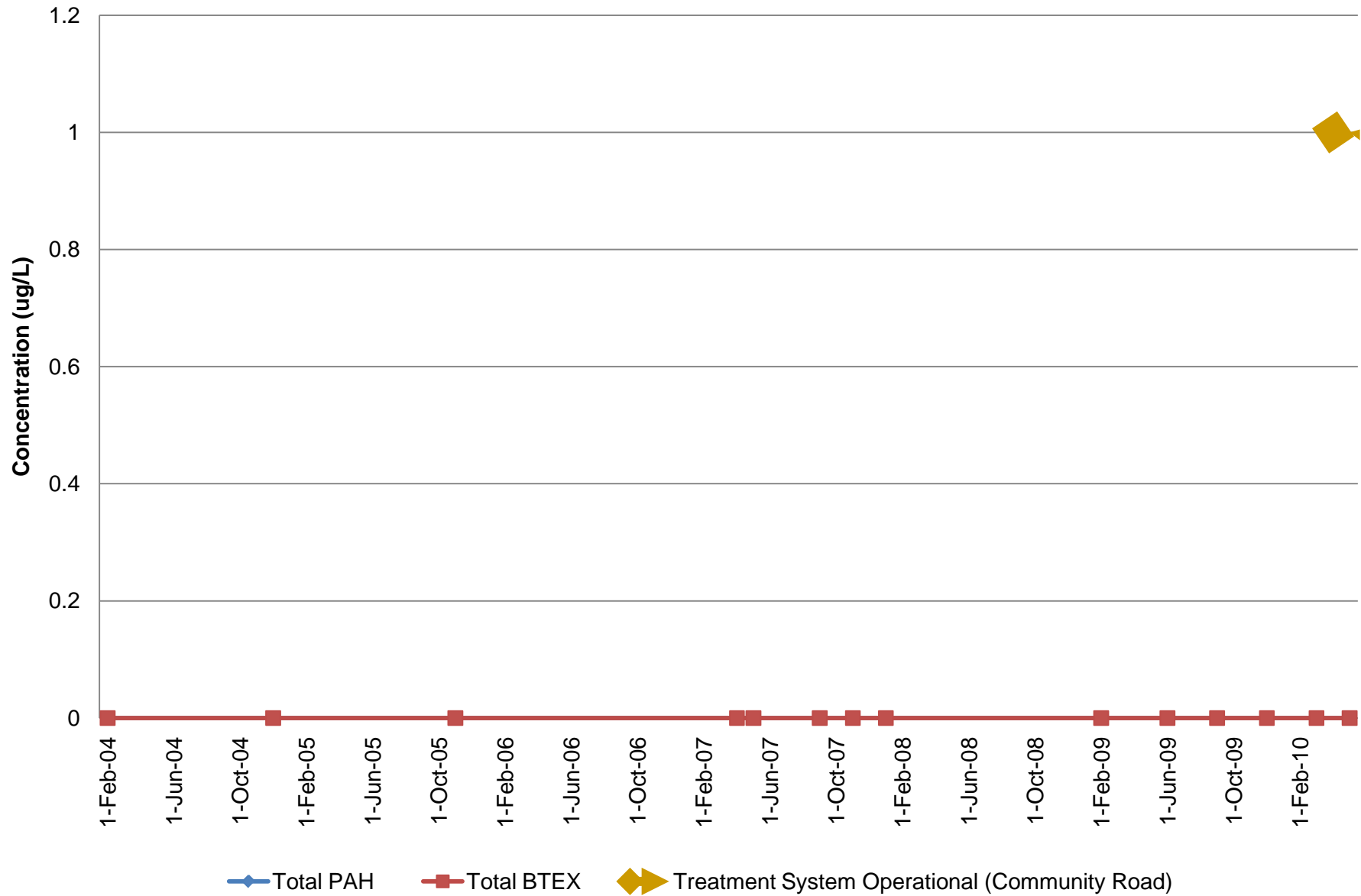
Monitoring Well MW-12W 2-12 ft bgs



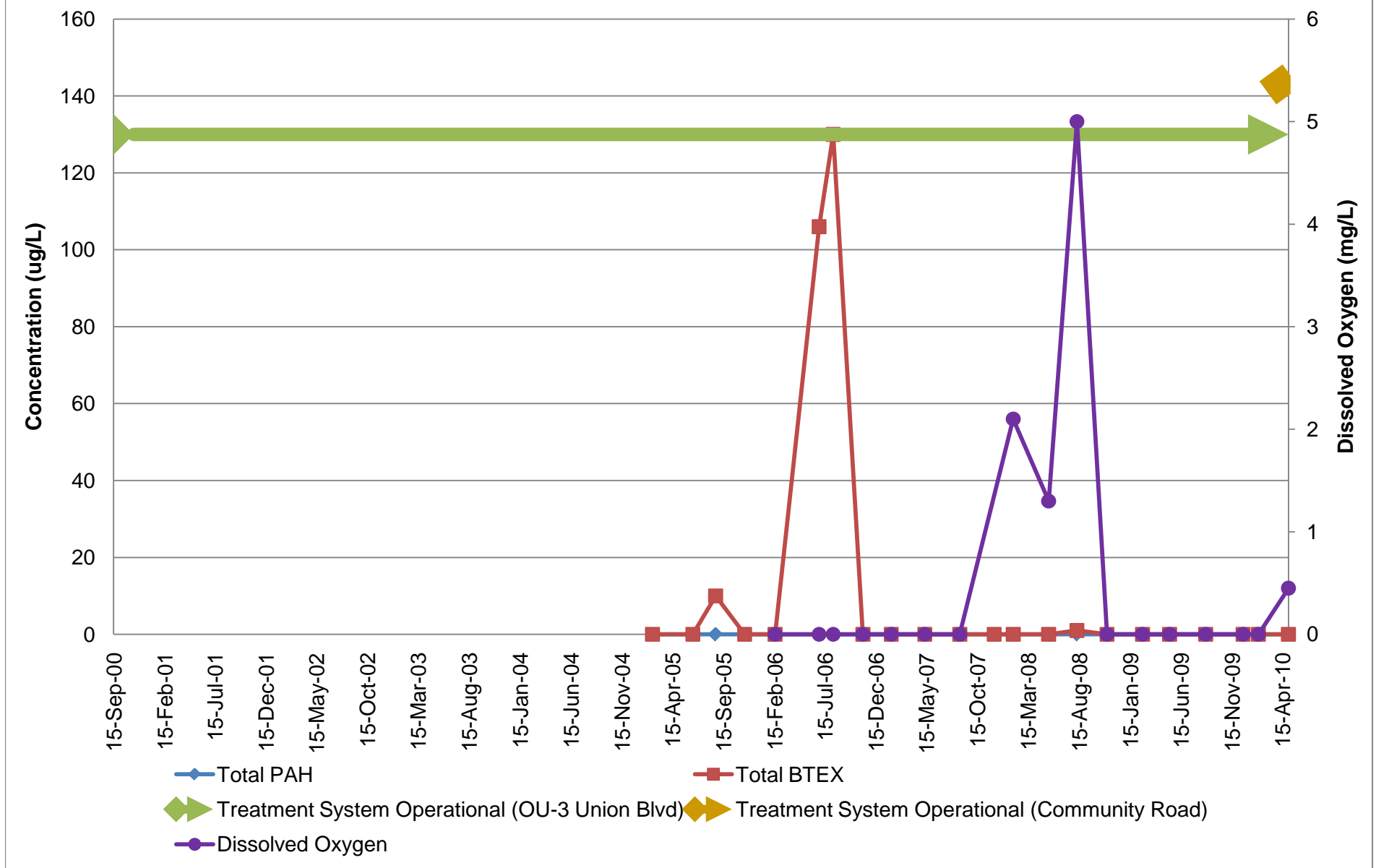
Monitoring Well MW-29S 2-10 ft bgs



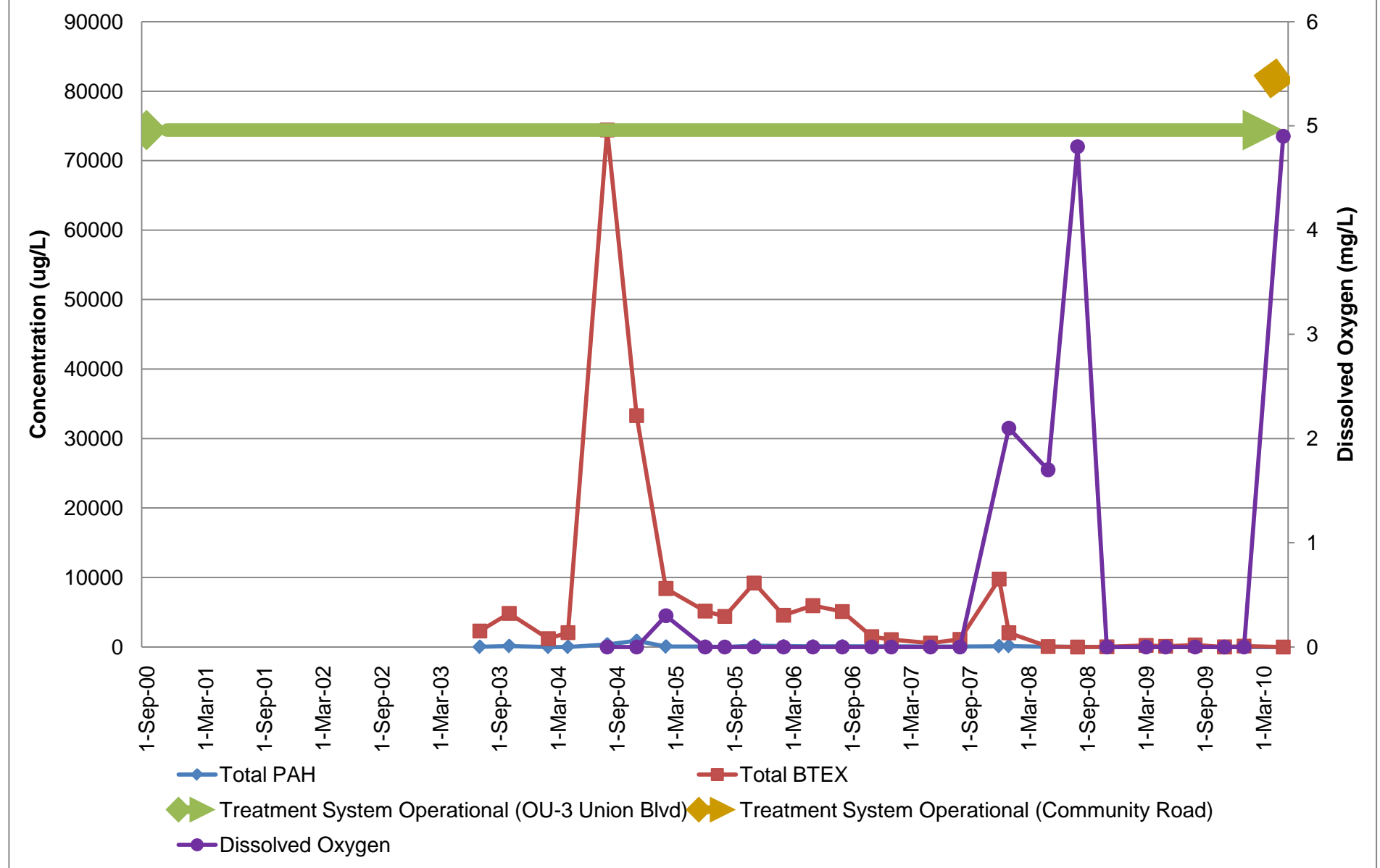
Monitoring Well MW-29D 14-19 ft bgs



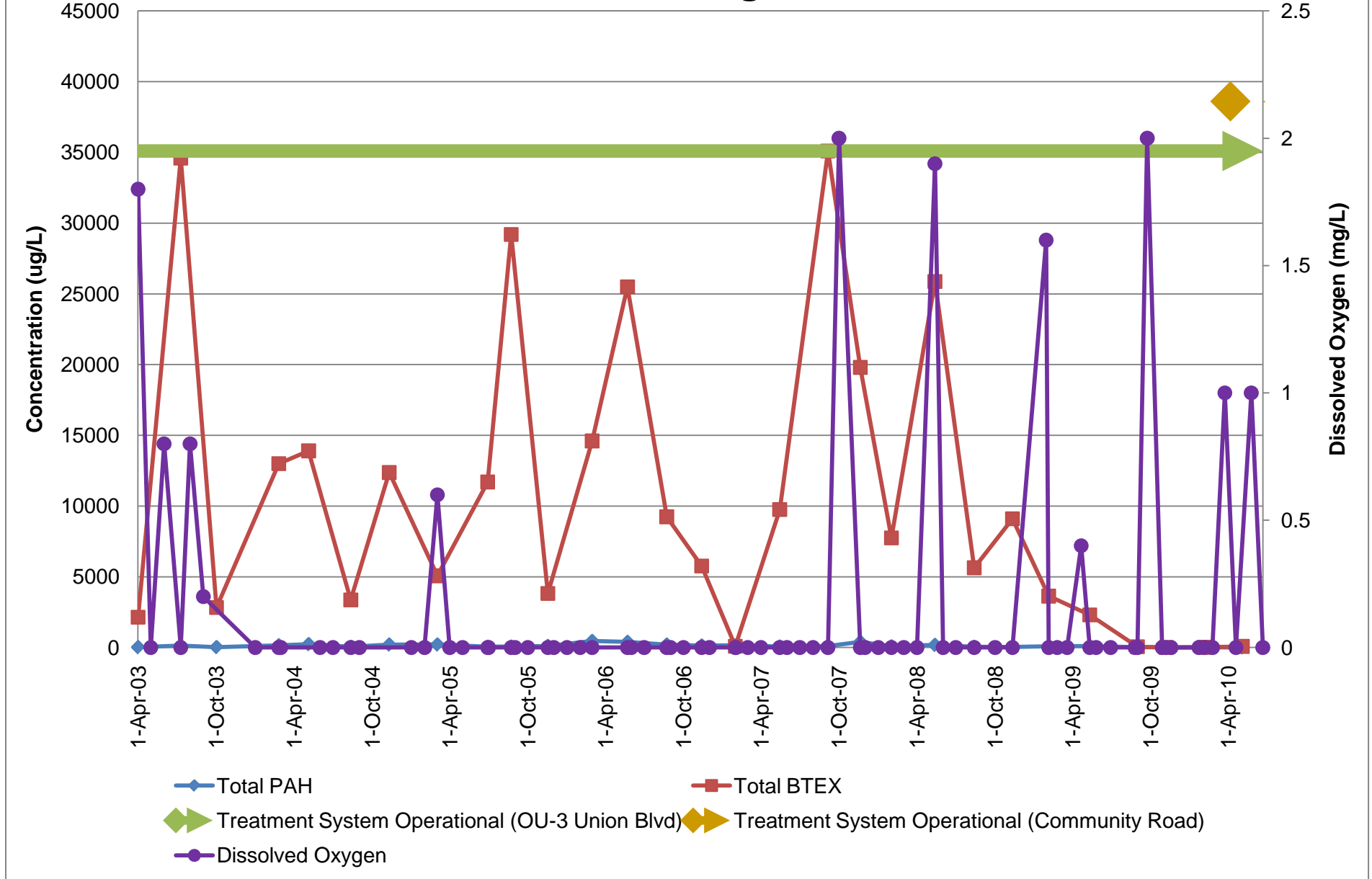
Monitoring Well MW-30WR 14-19 ft bgs



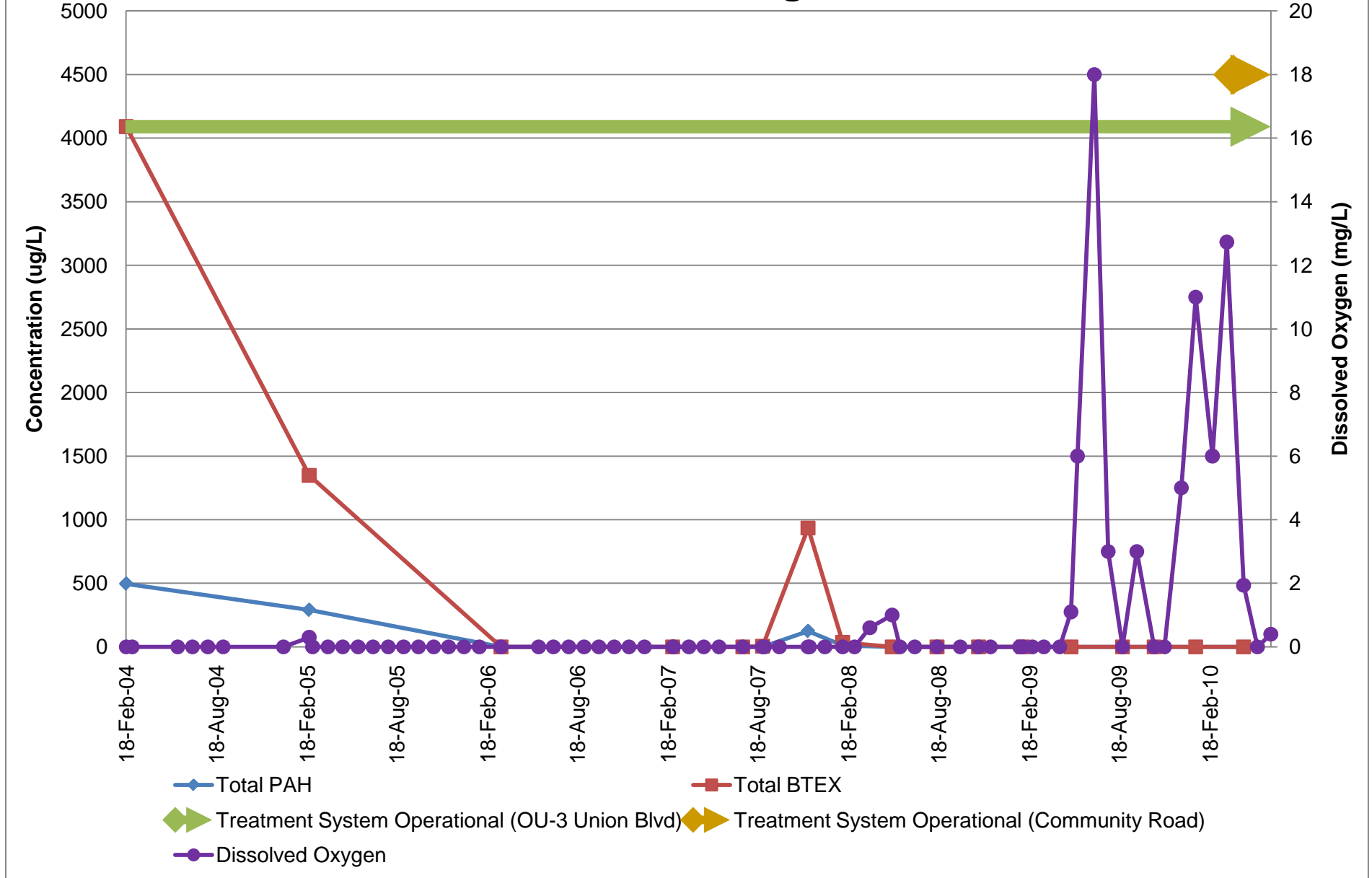
Monitoring Well MW-32WR 2-10 ft bgs



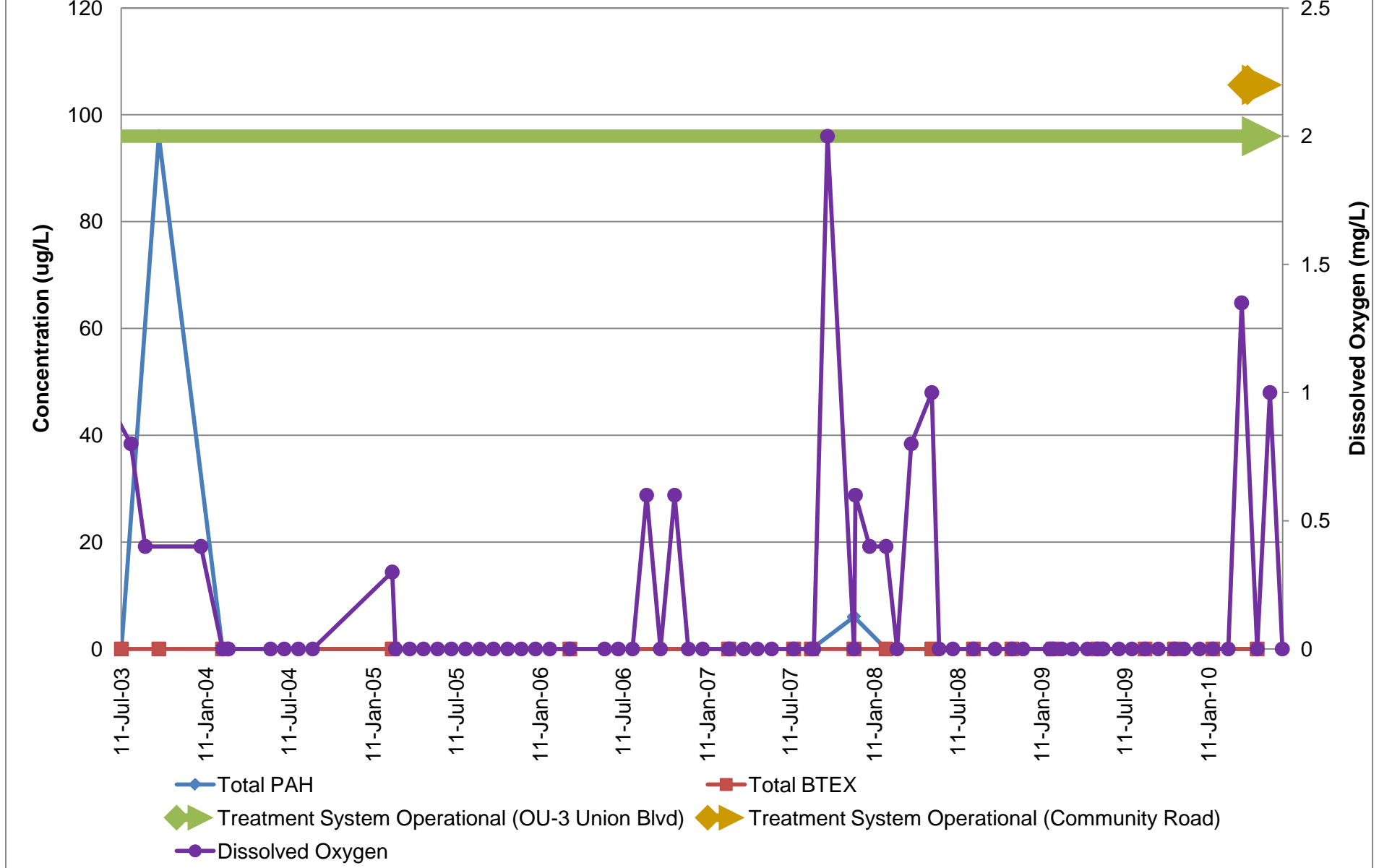
Monitoring Well MW-34S 2-10 ft bgs

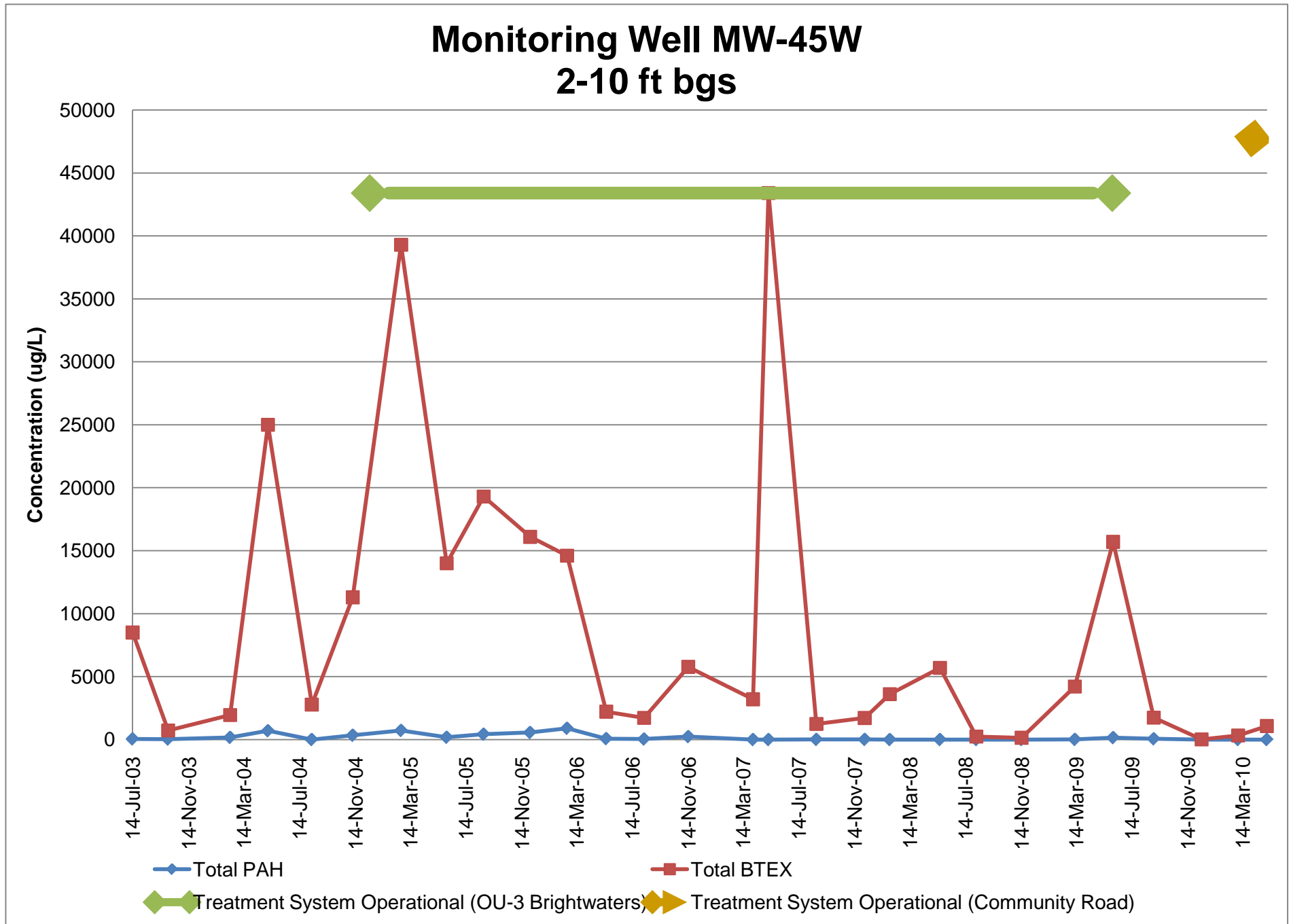


Monitoring Well MW-34I 18.5-19.5 ft bgs

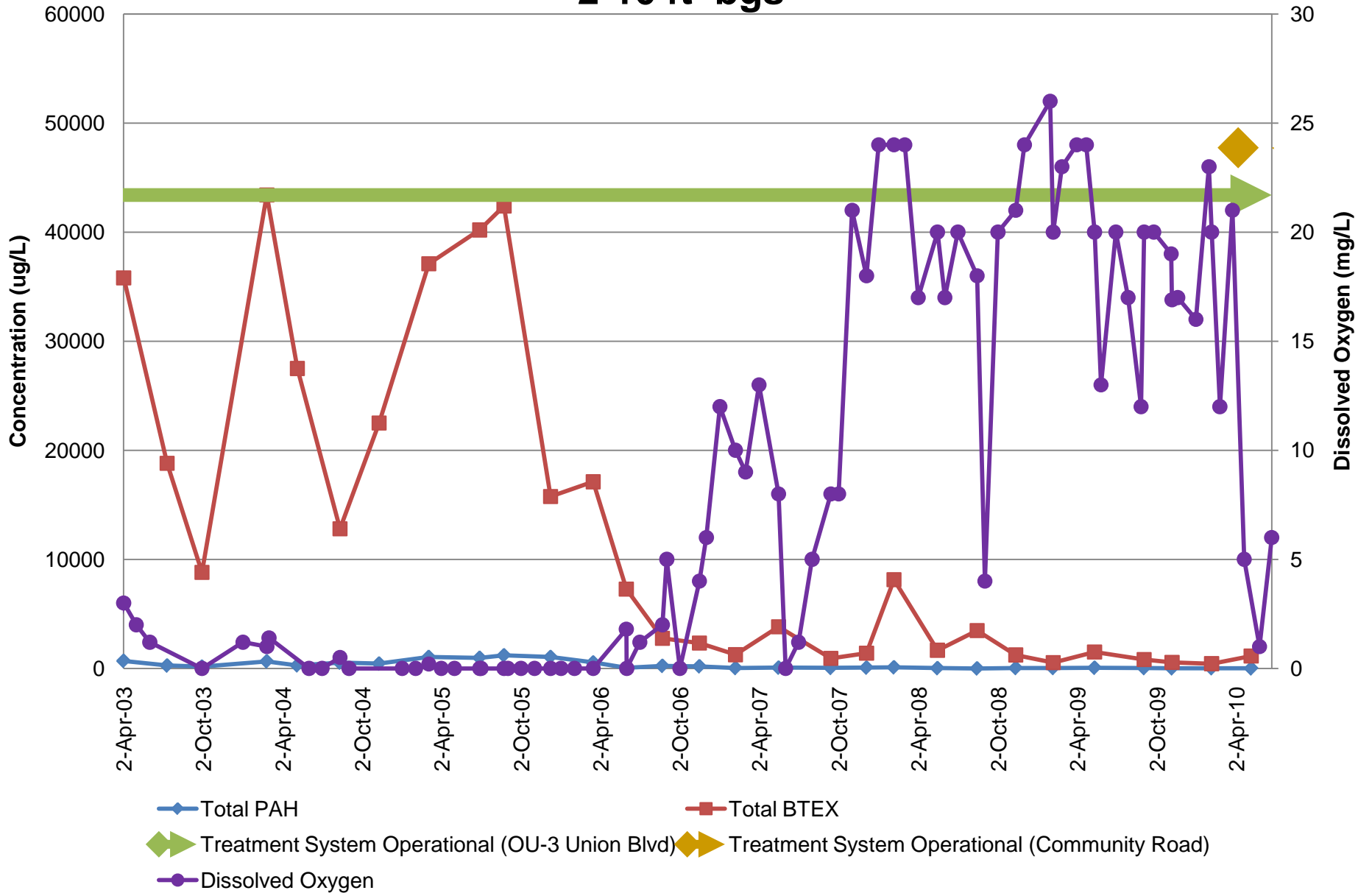


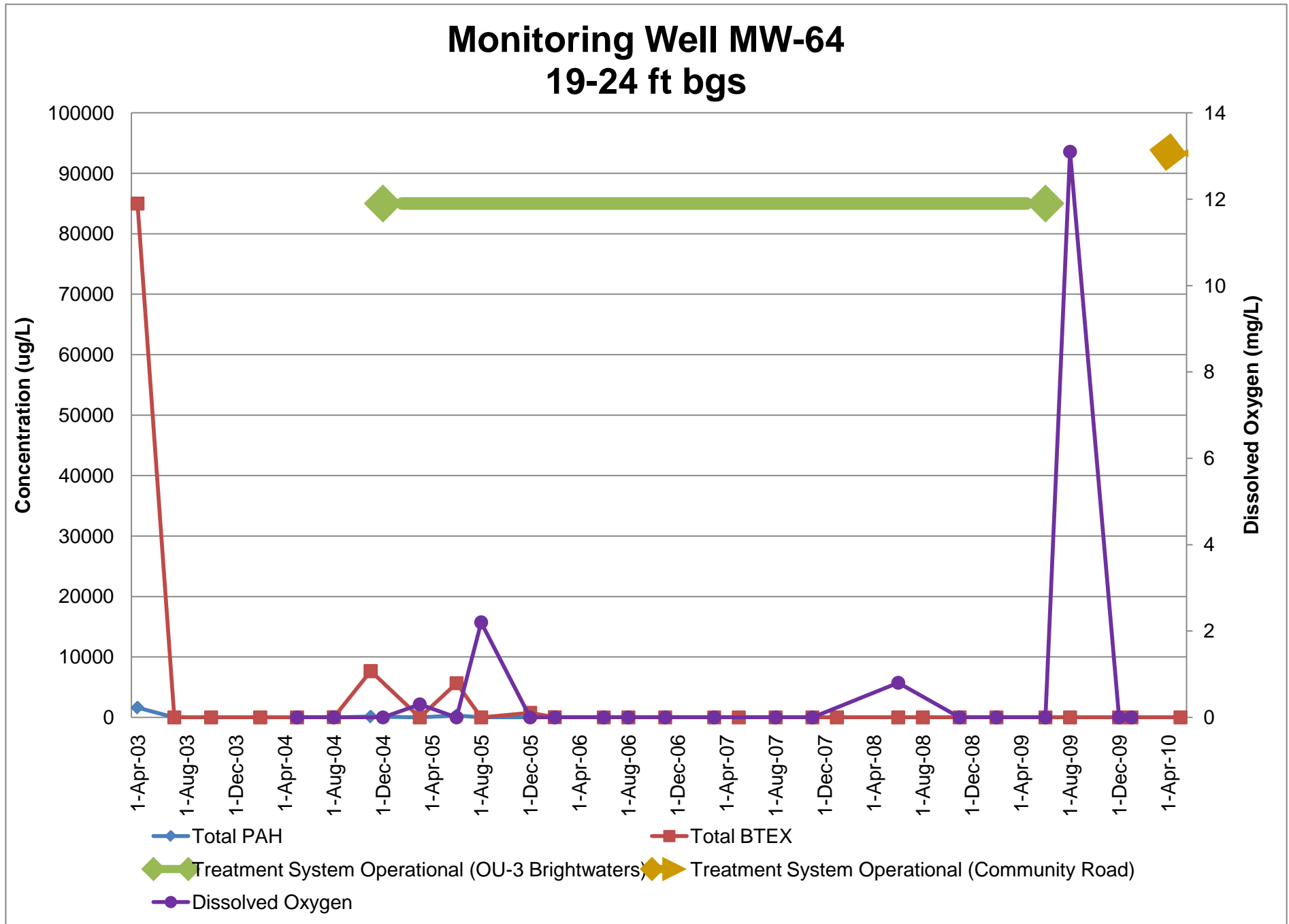
Monitoring Well MW-34D 27.5-28.5 ft bgs

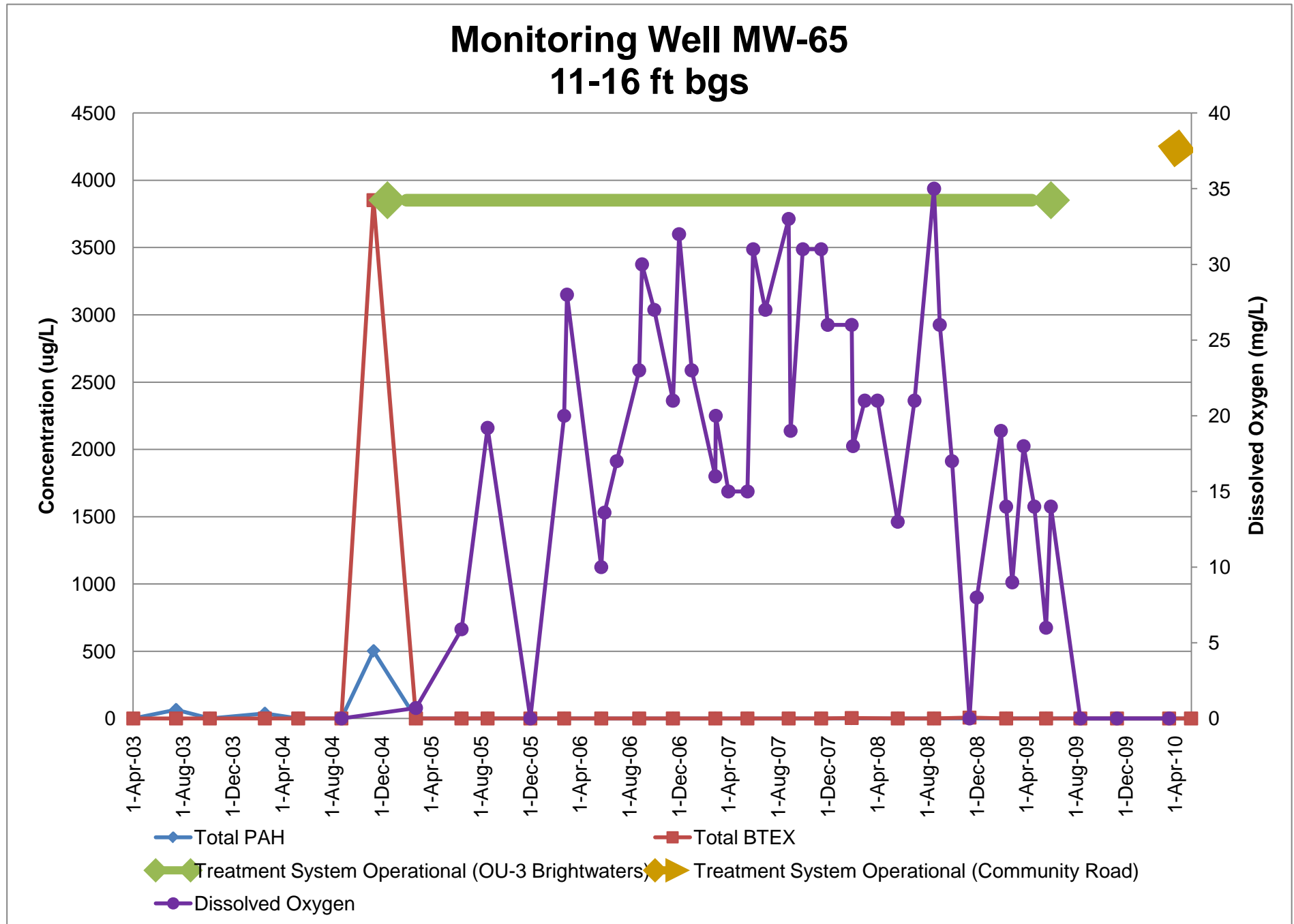


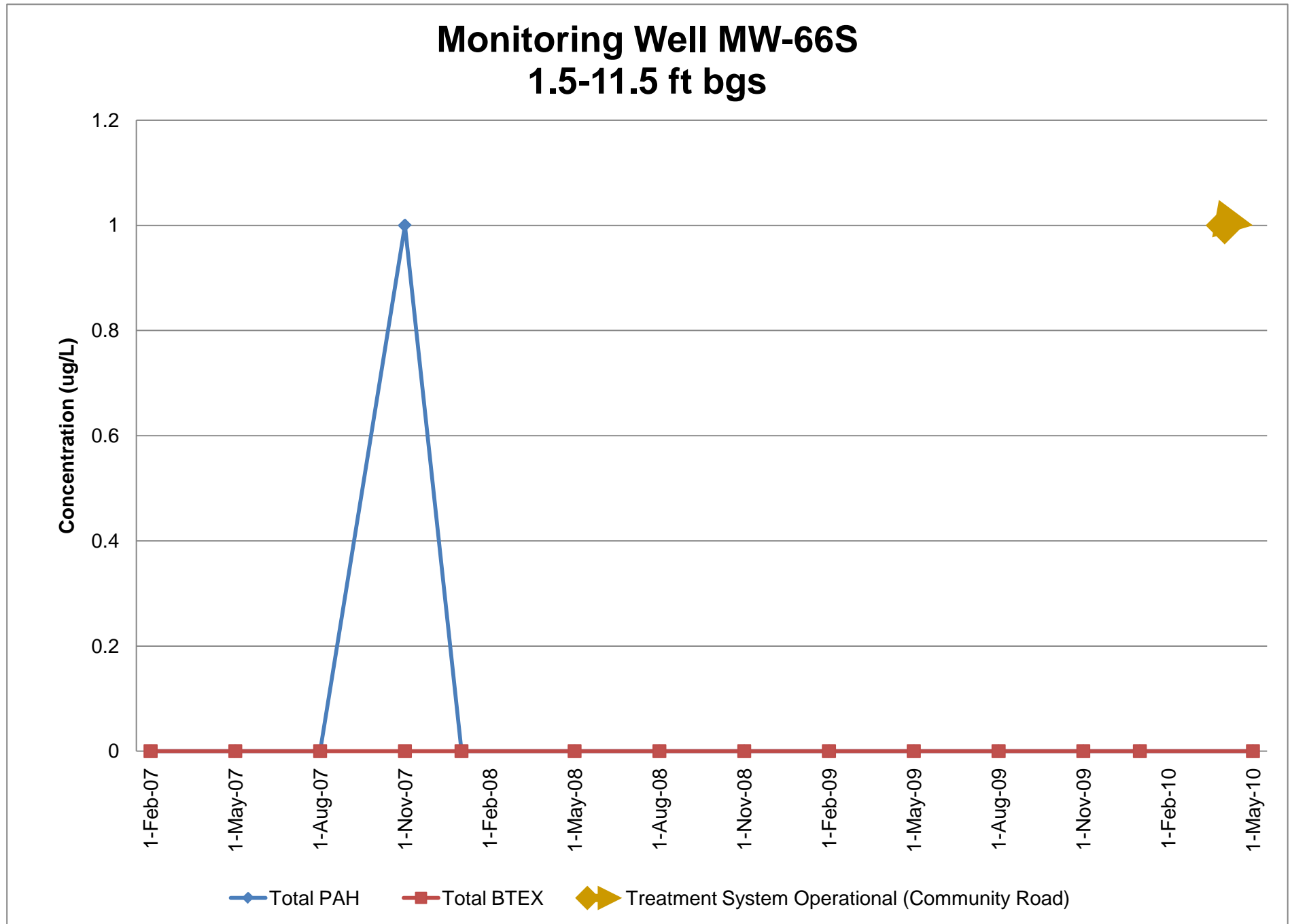


Monitoring Well MW-46WR 2-10 ft bgs

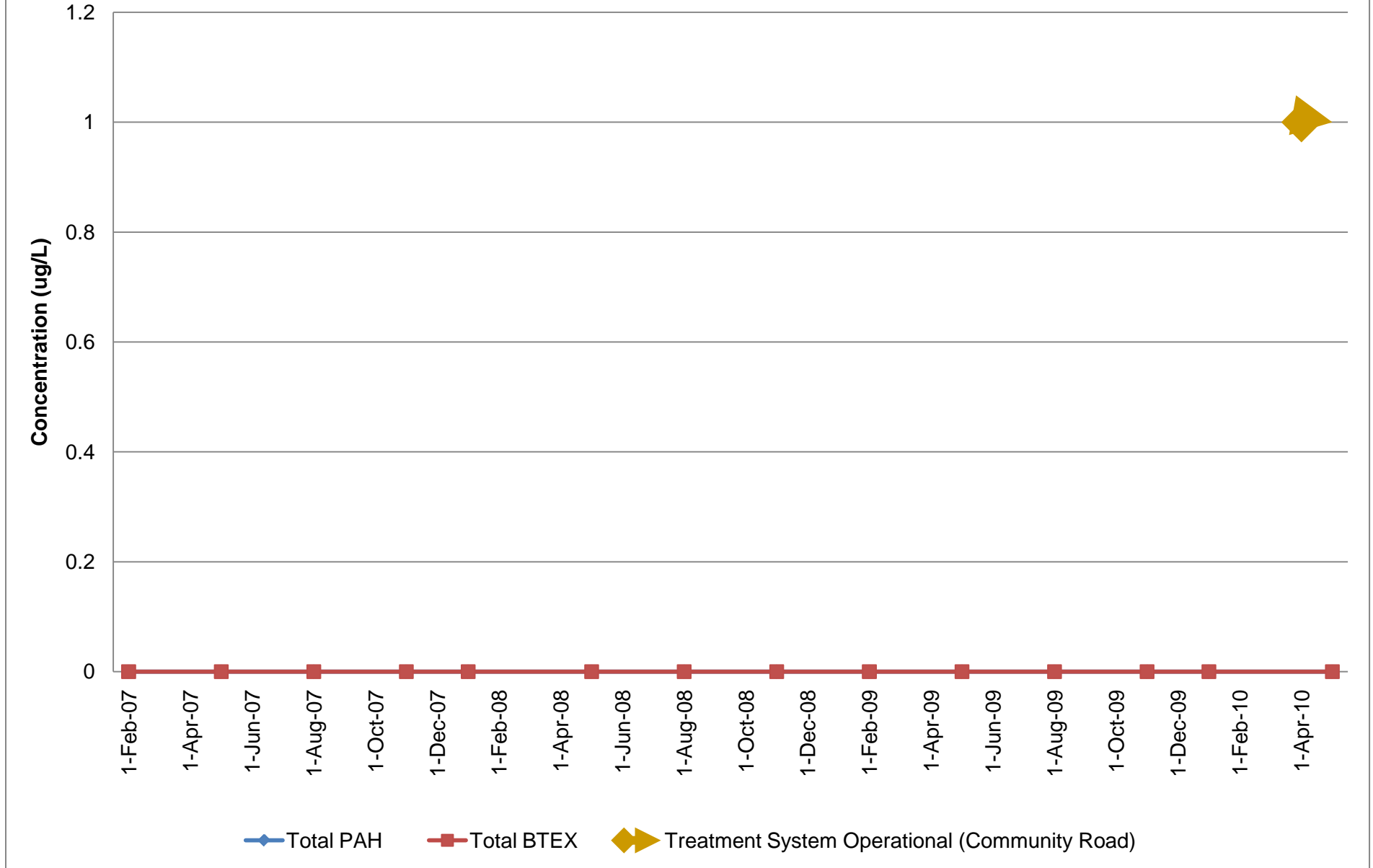




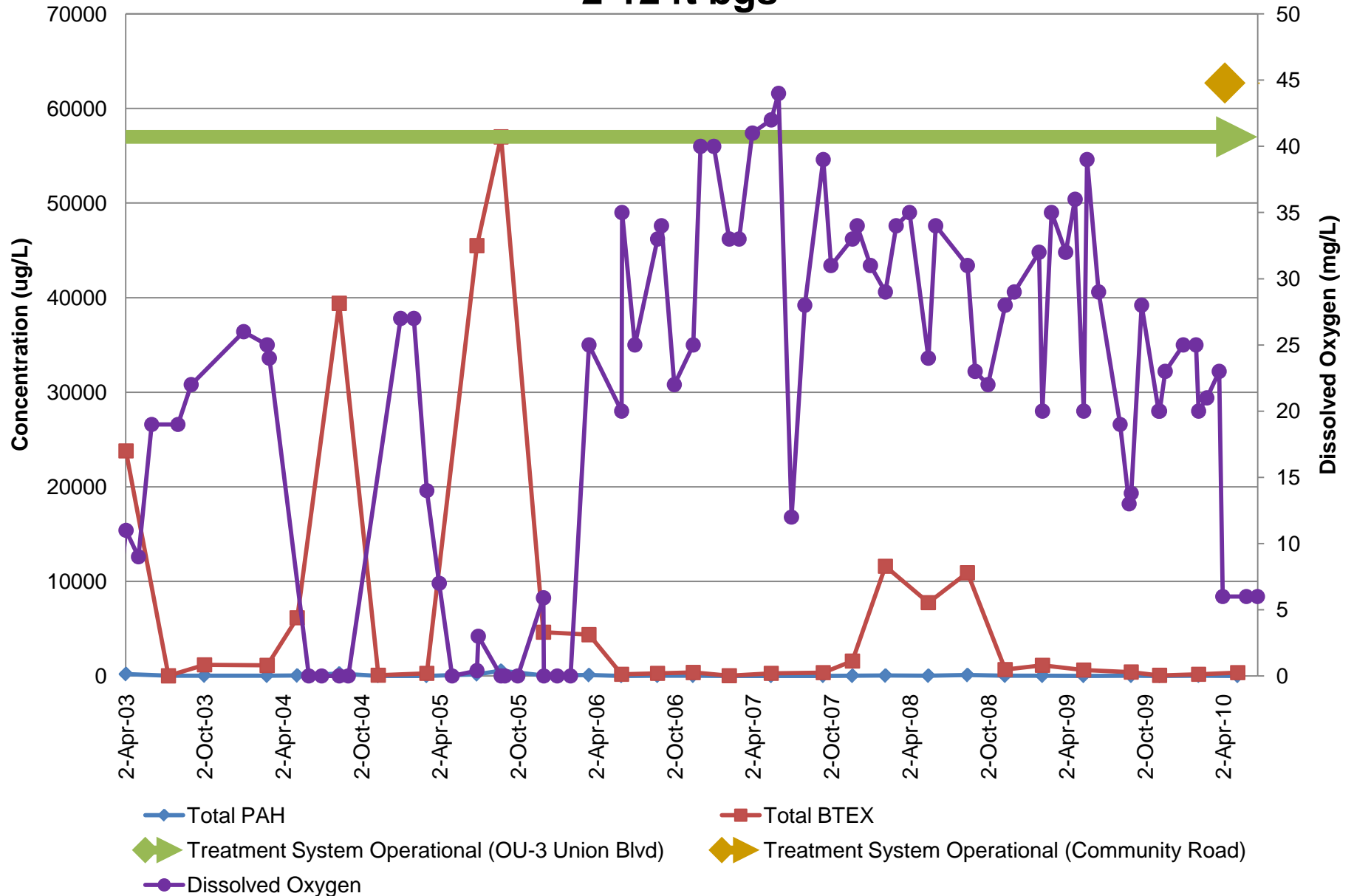


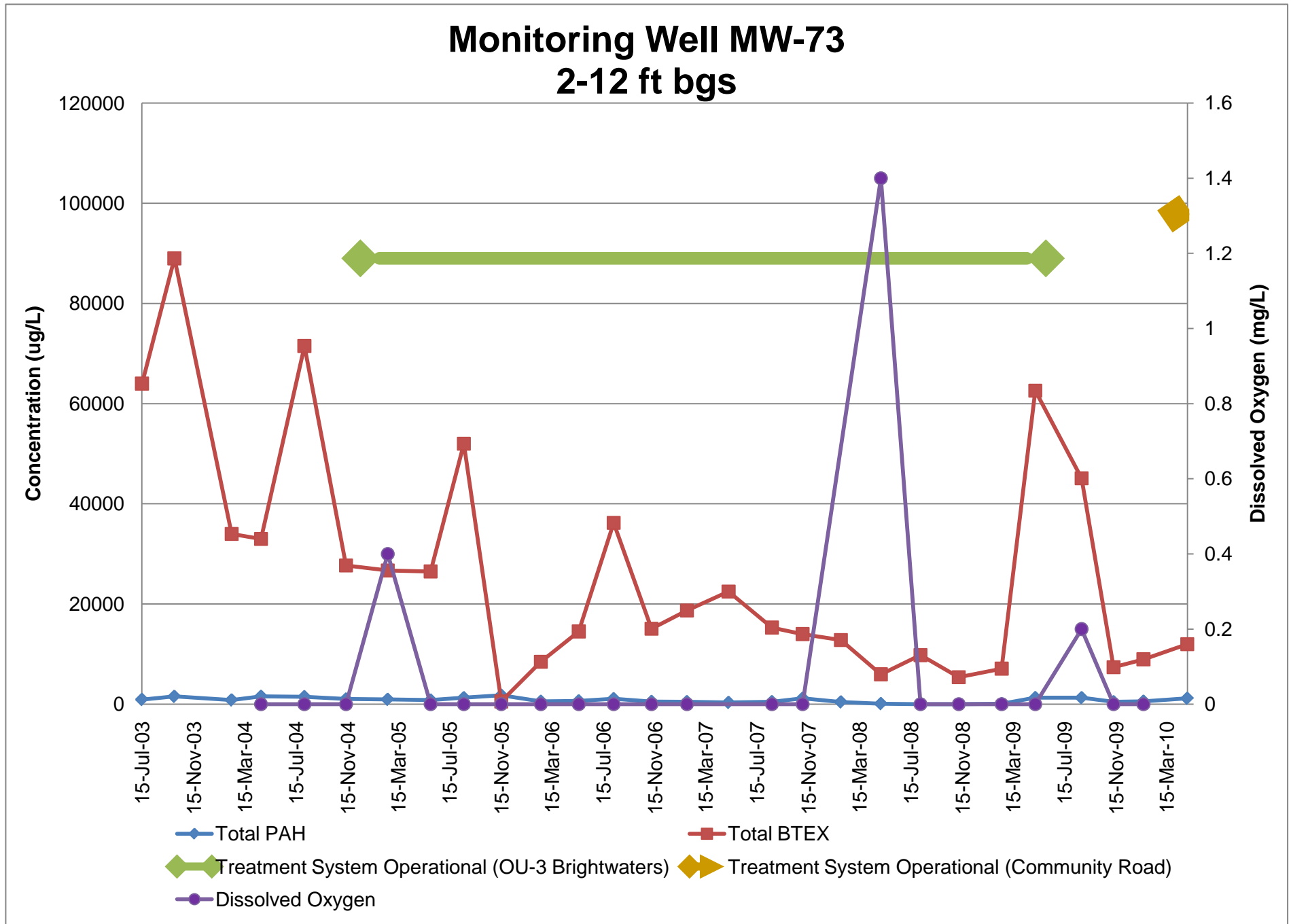


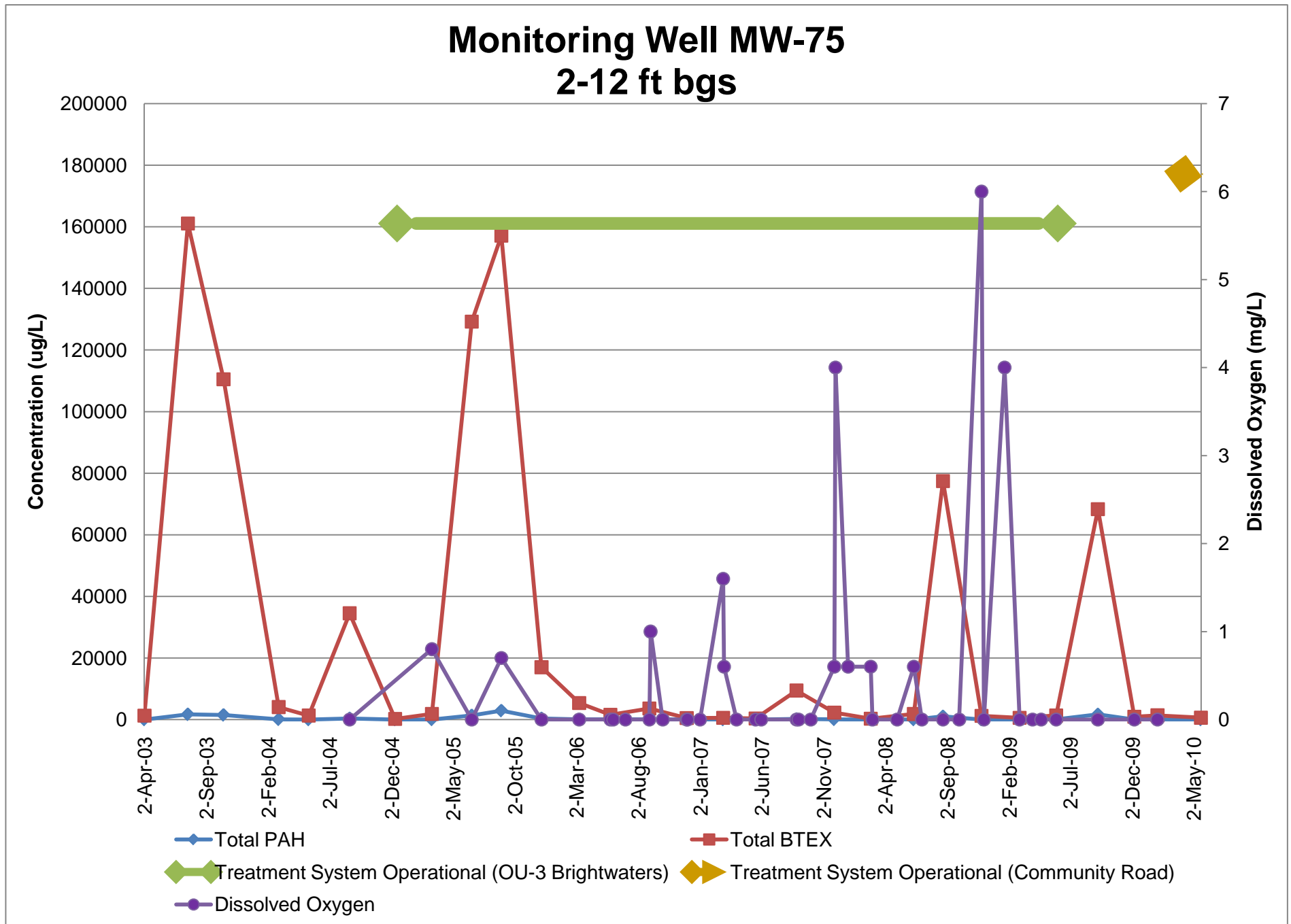
Monitoring Well MW-66D 24-29 ft bgs

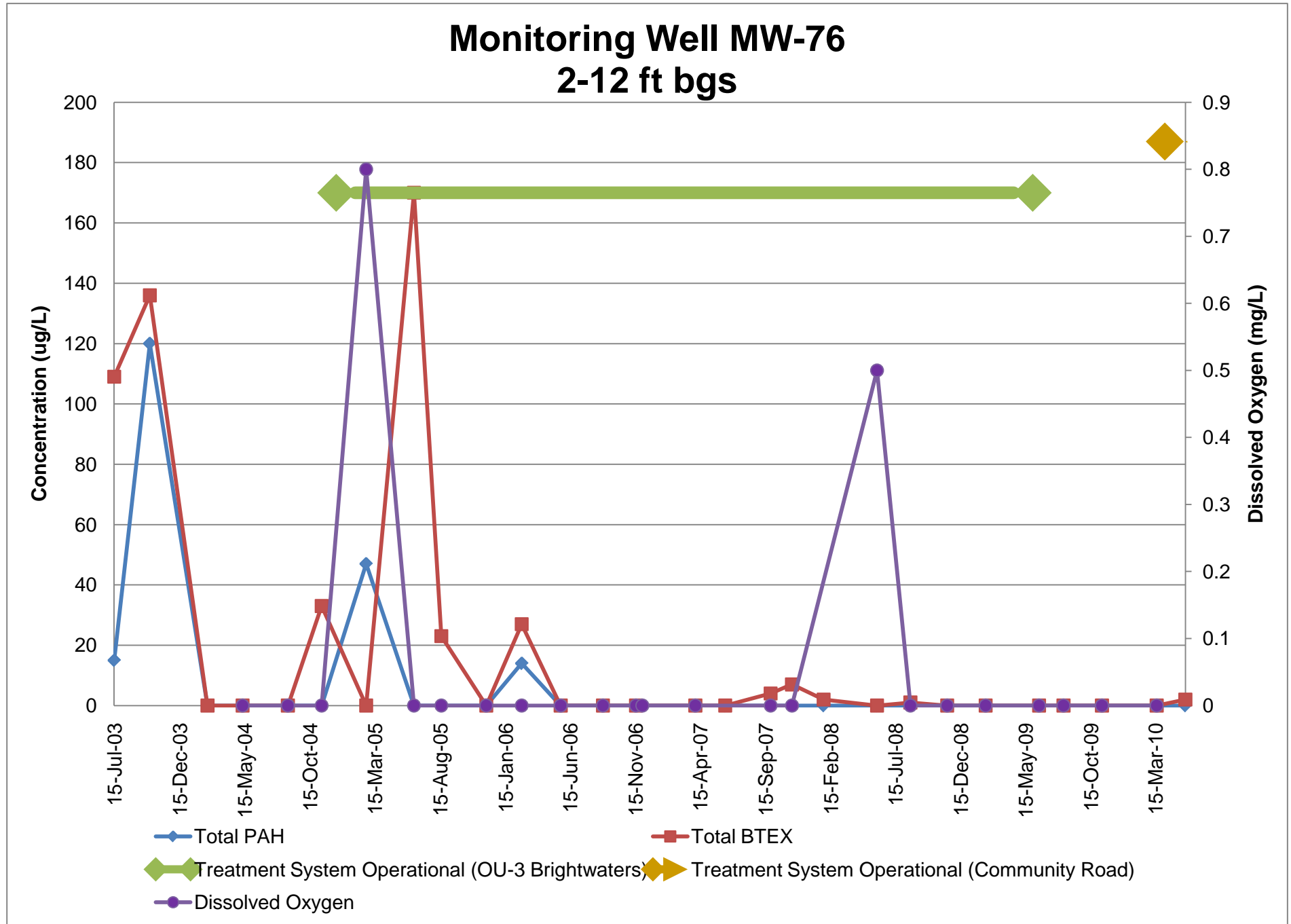


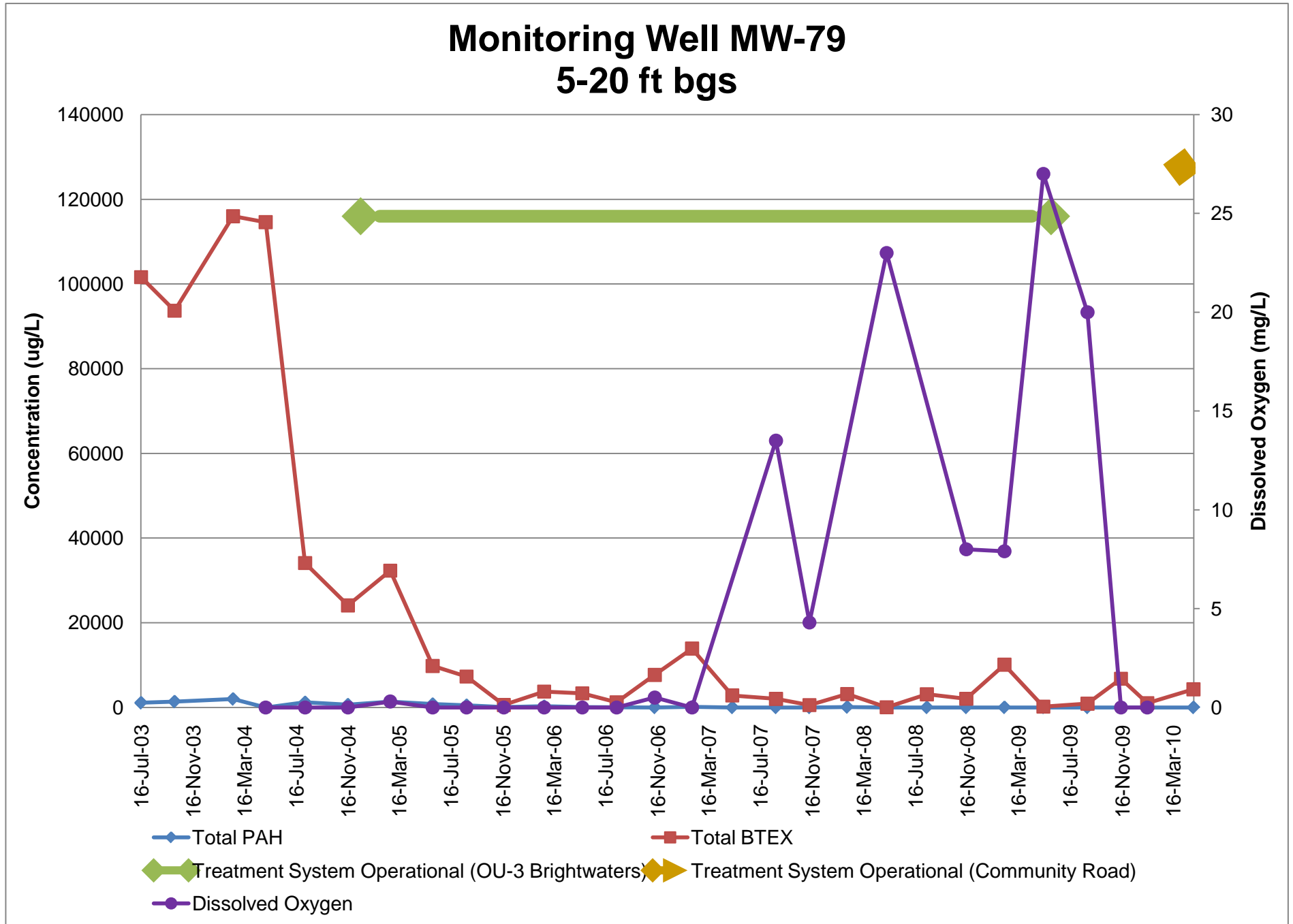
Monitoring Well MW-70/70S 2-12 ft bgs

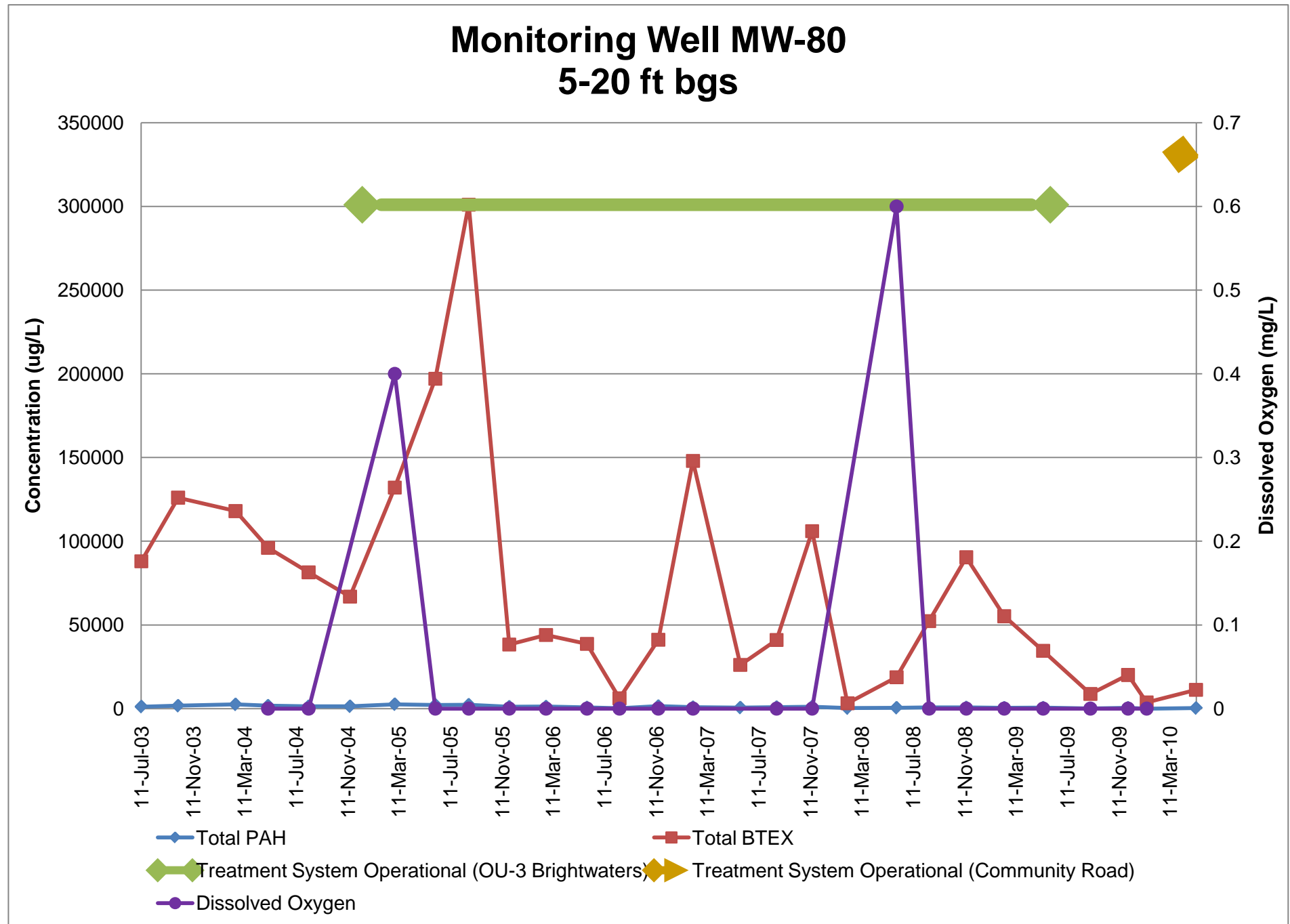


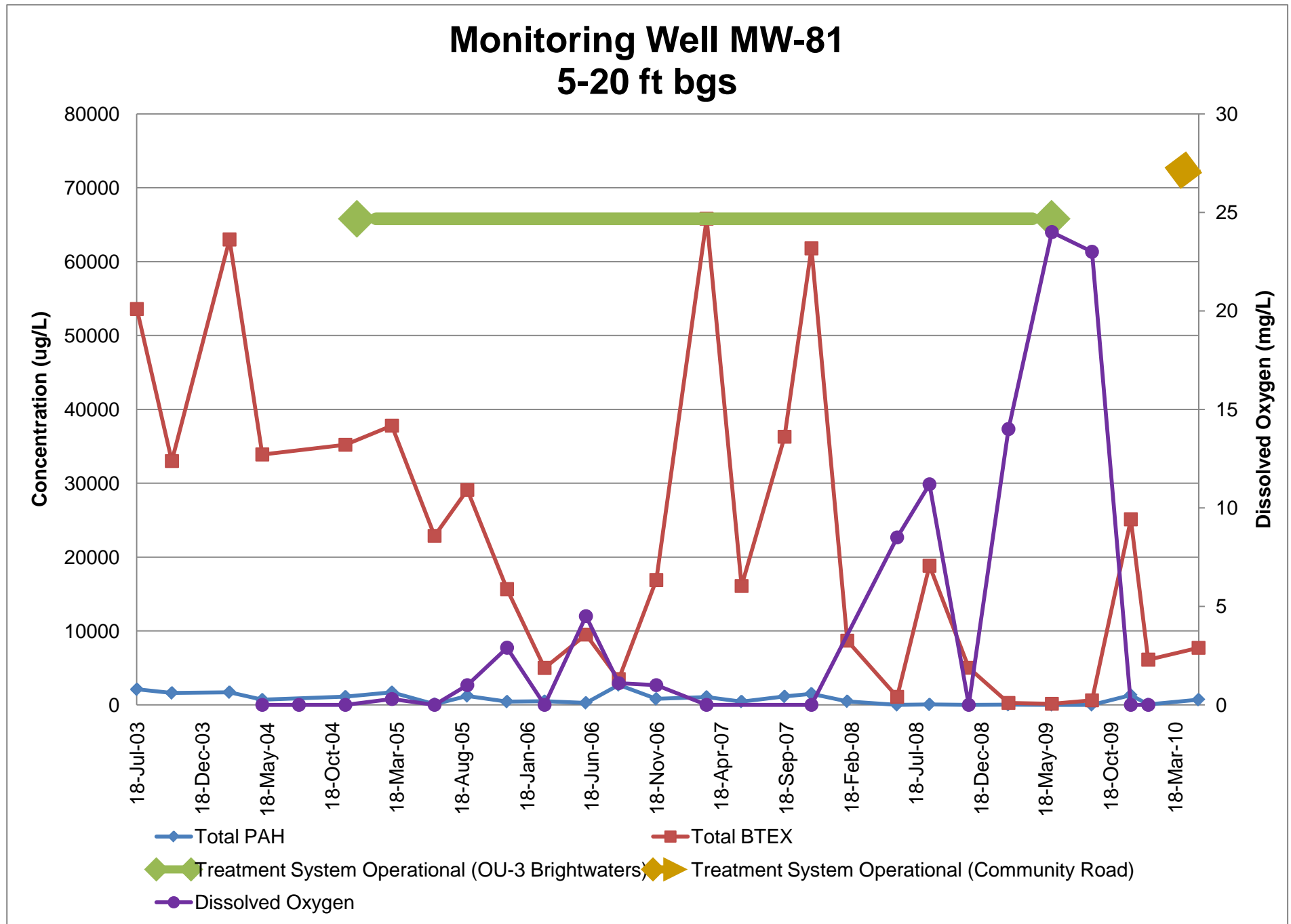




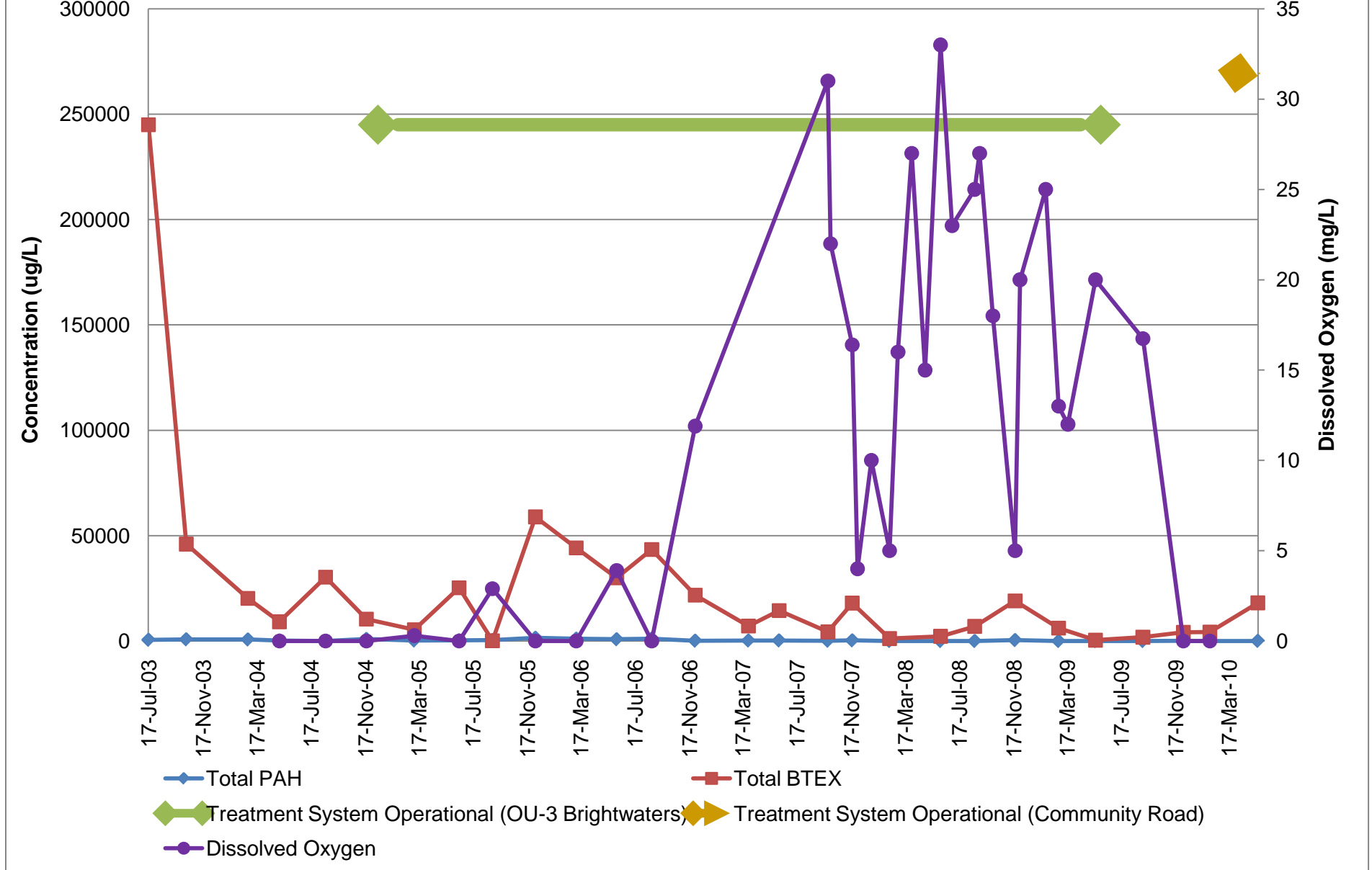


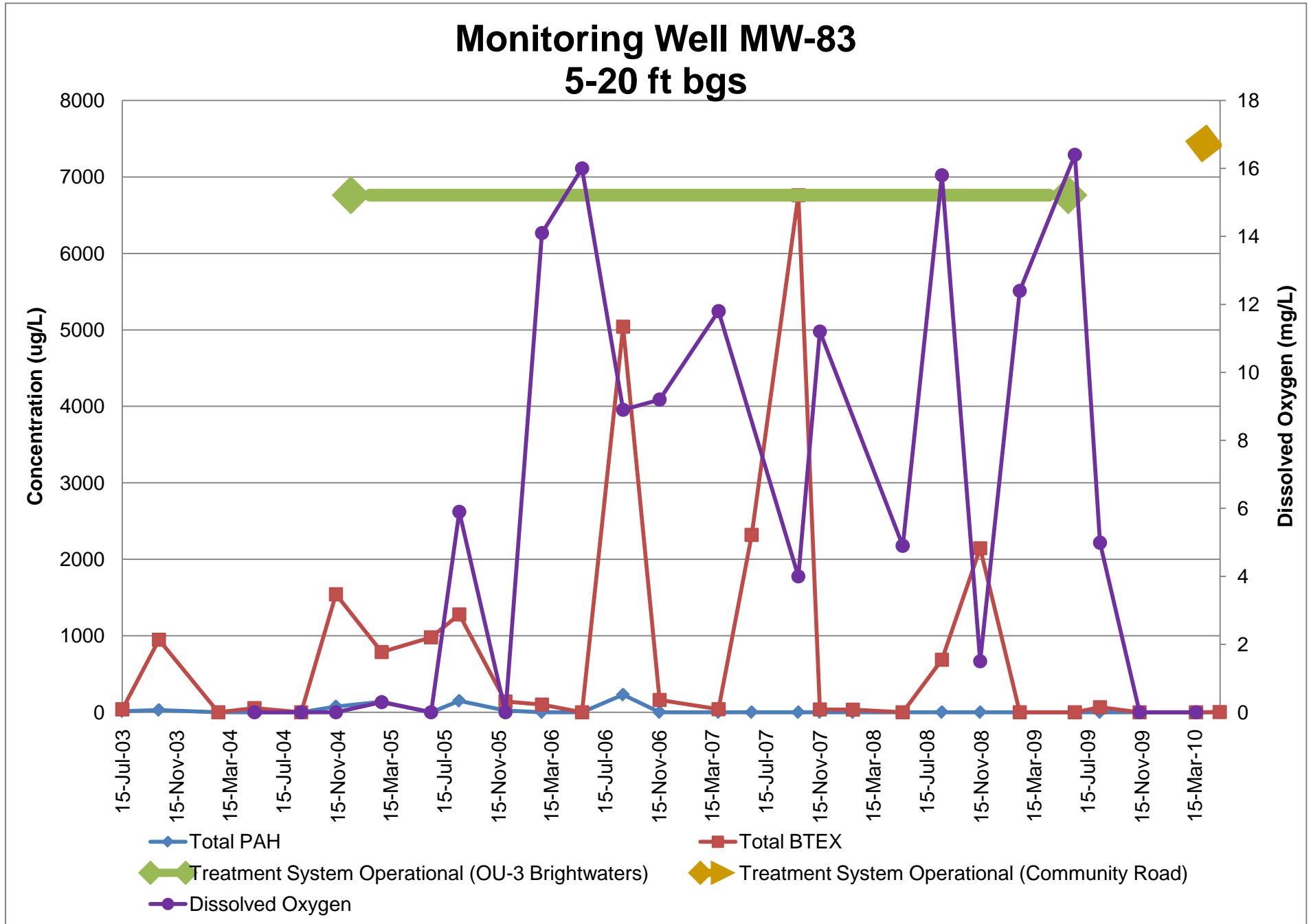




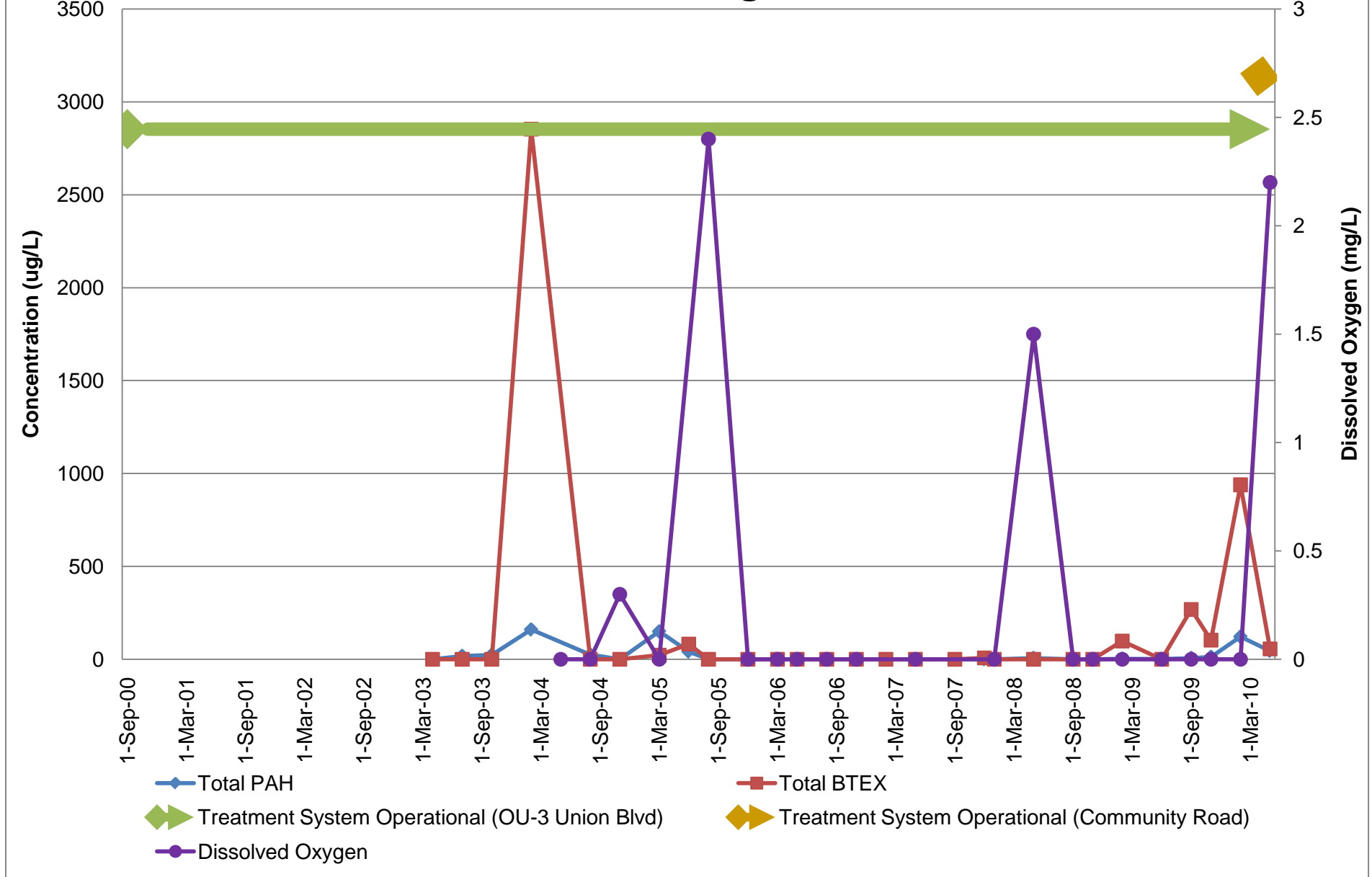


Monitoring Well MW-82 5-20 ft bgs

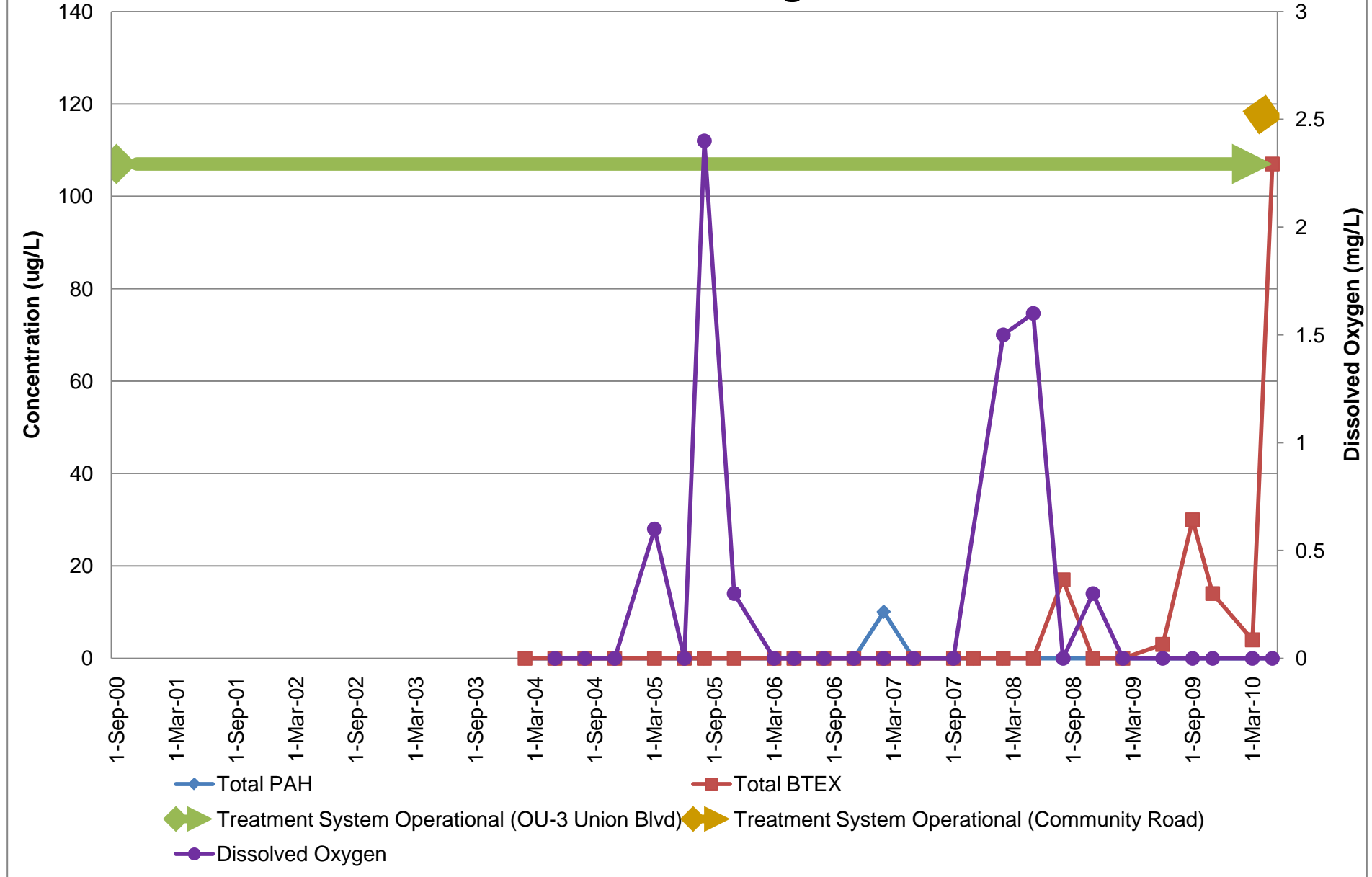




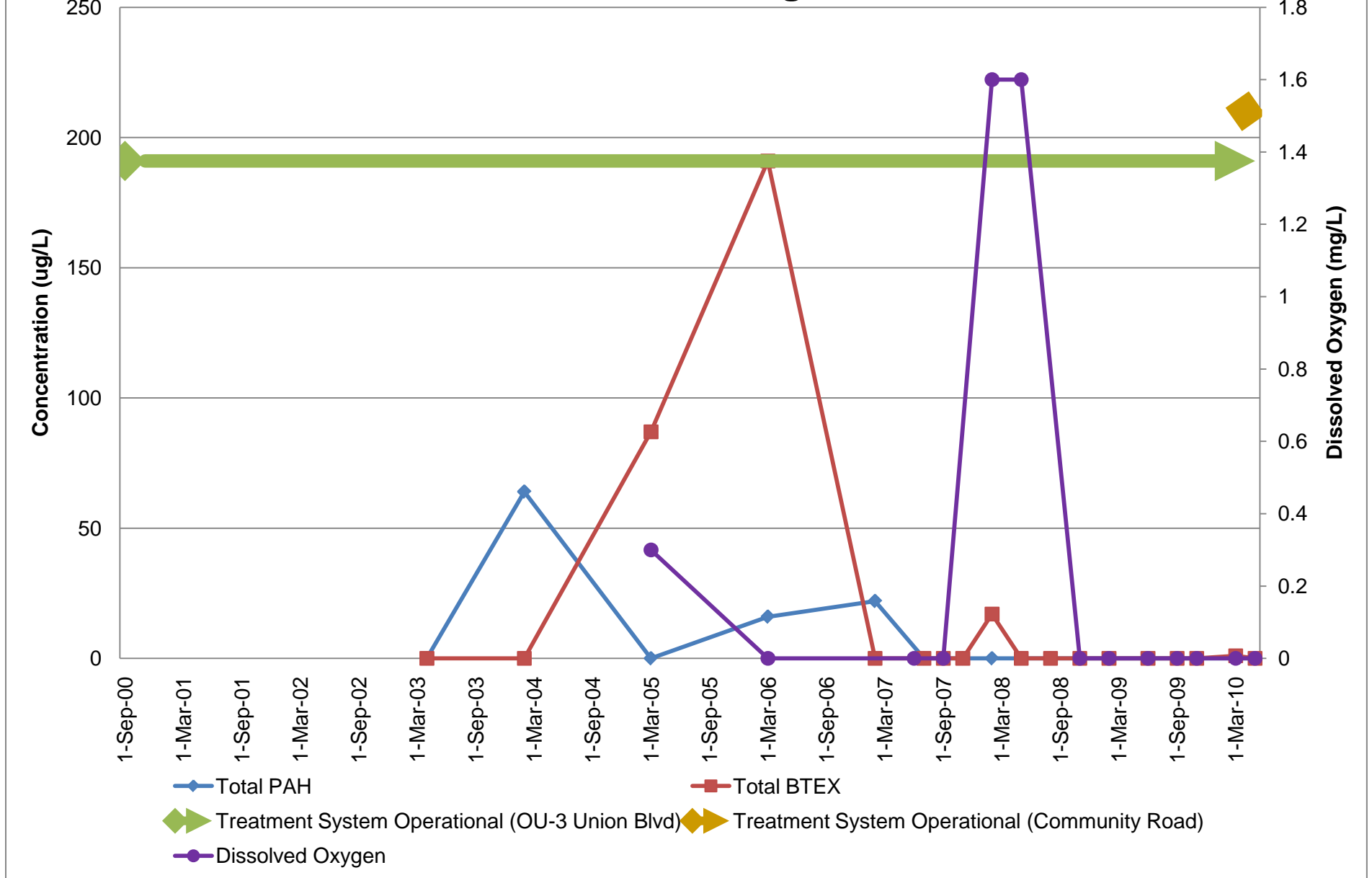
Monitoring Well MWBS-02S 5-15 ft bgs



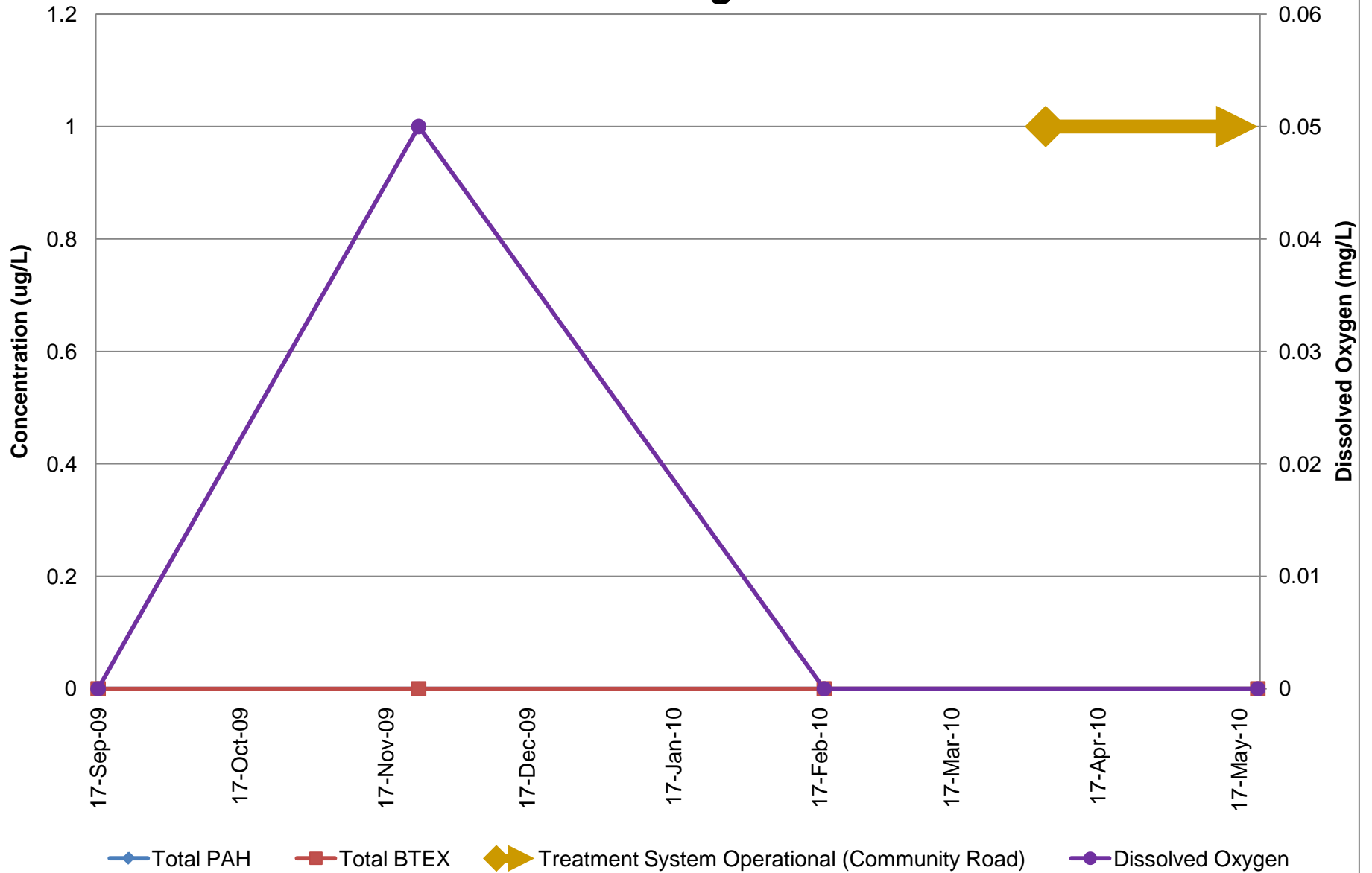
Monitoring Well MWBS-02I 14.5-15.5 ft bgs



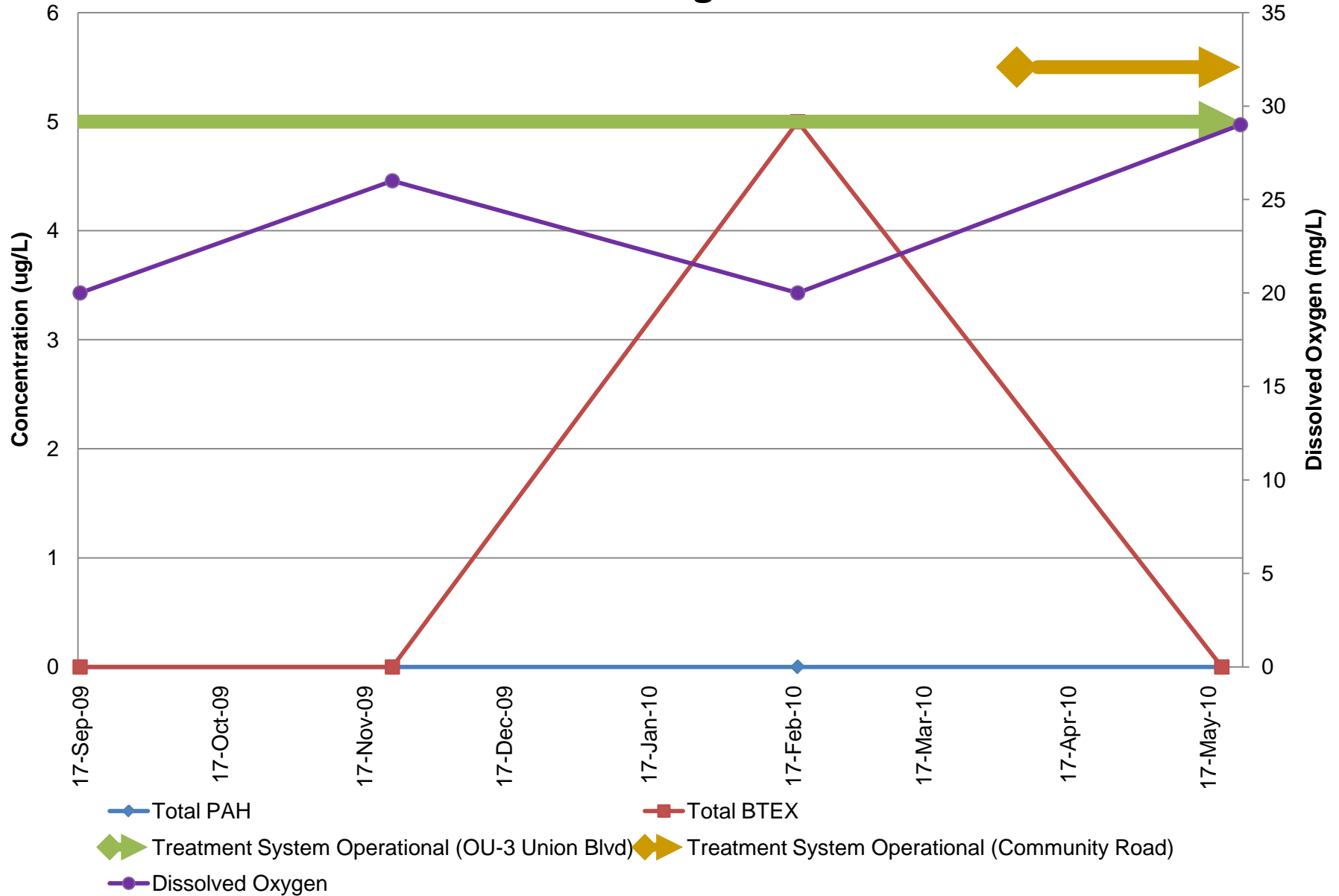
Monitoring Well MWBS-02D 24.5-25.5 ft bgs



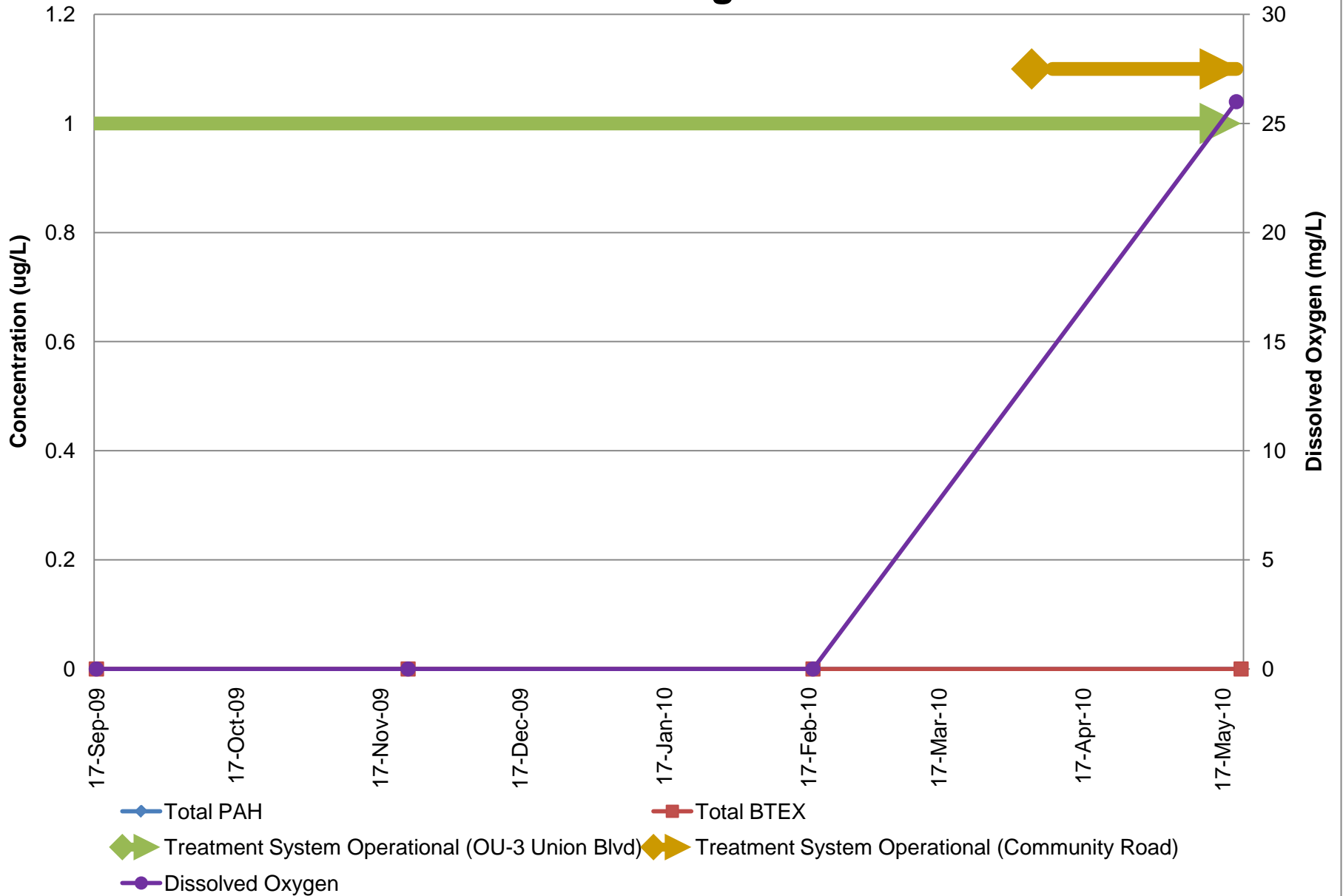
Monitoring Well OU3MW-01S 3-13 ft bgs



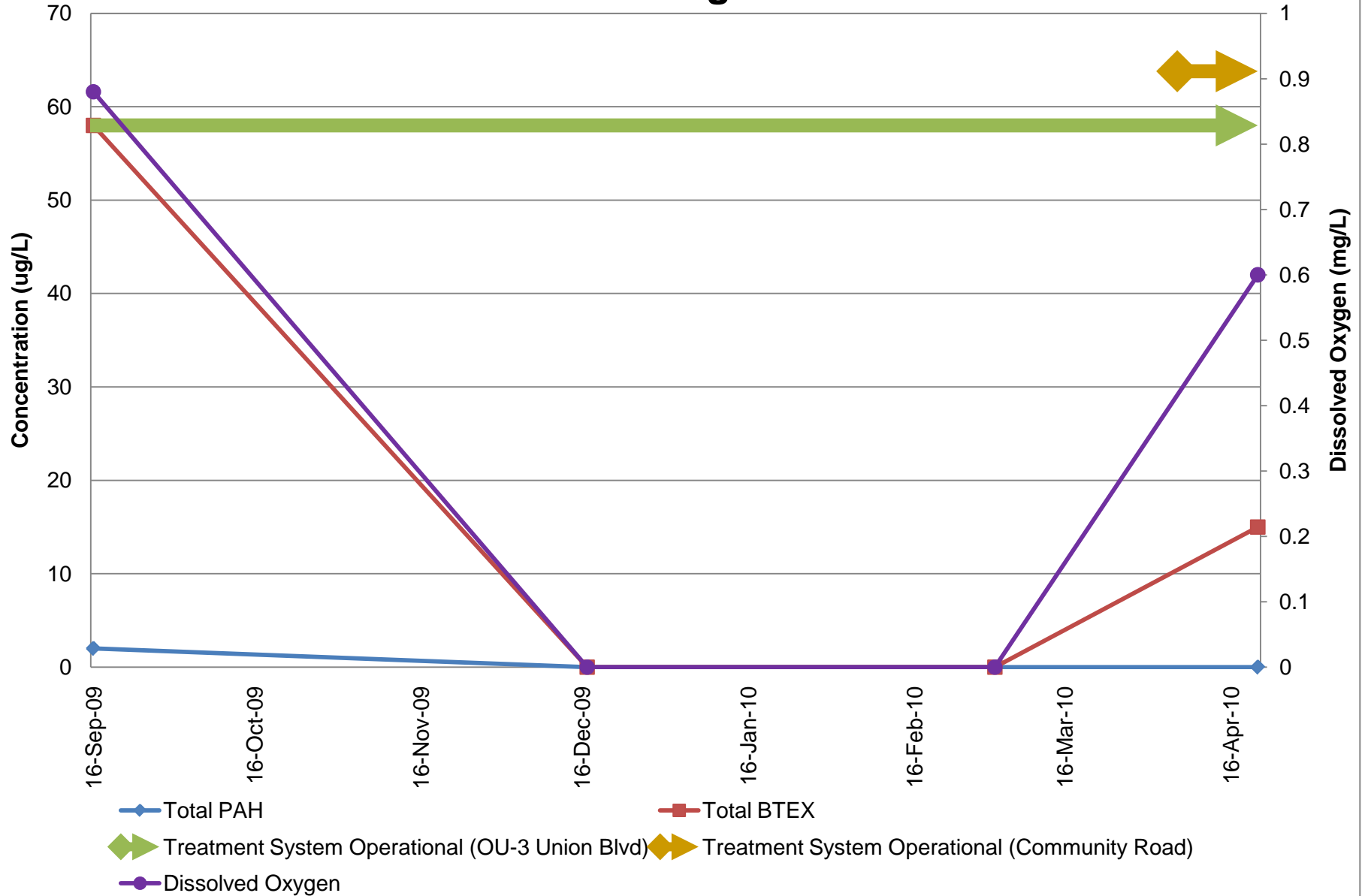
Monitoring Well OU3MW-02S 3-13 ft bgs



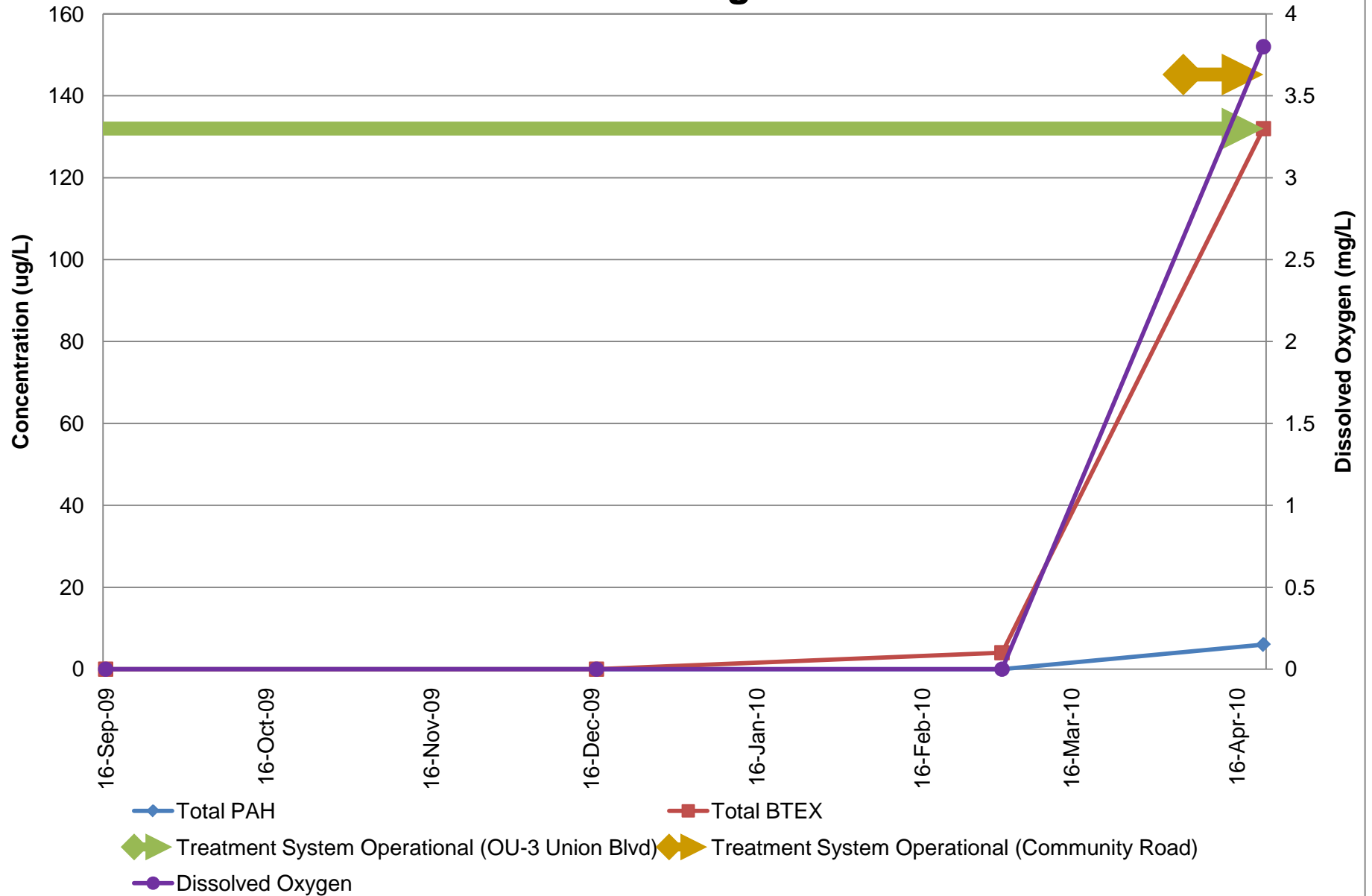
Monitoring Well OU3MW-02I 15-20 ft bgs



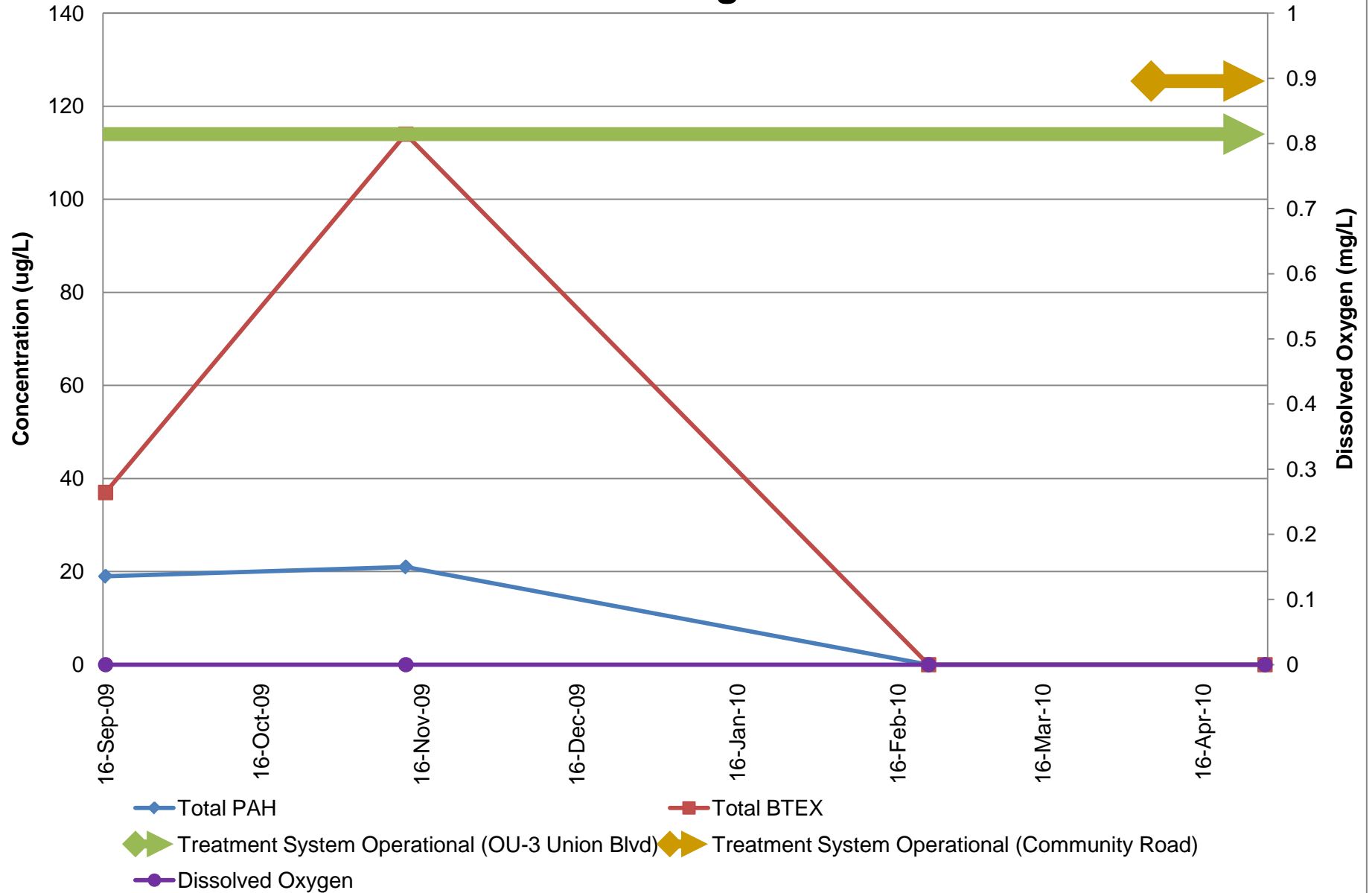
Monitoring Well OU3MW-03S 1-11 ft bgs

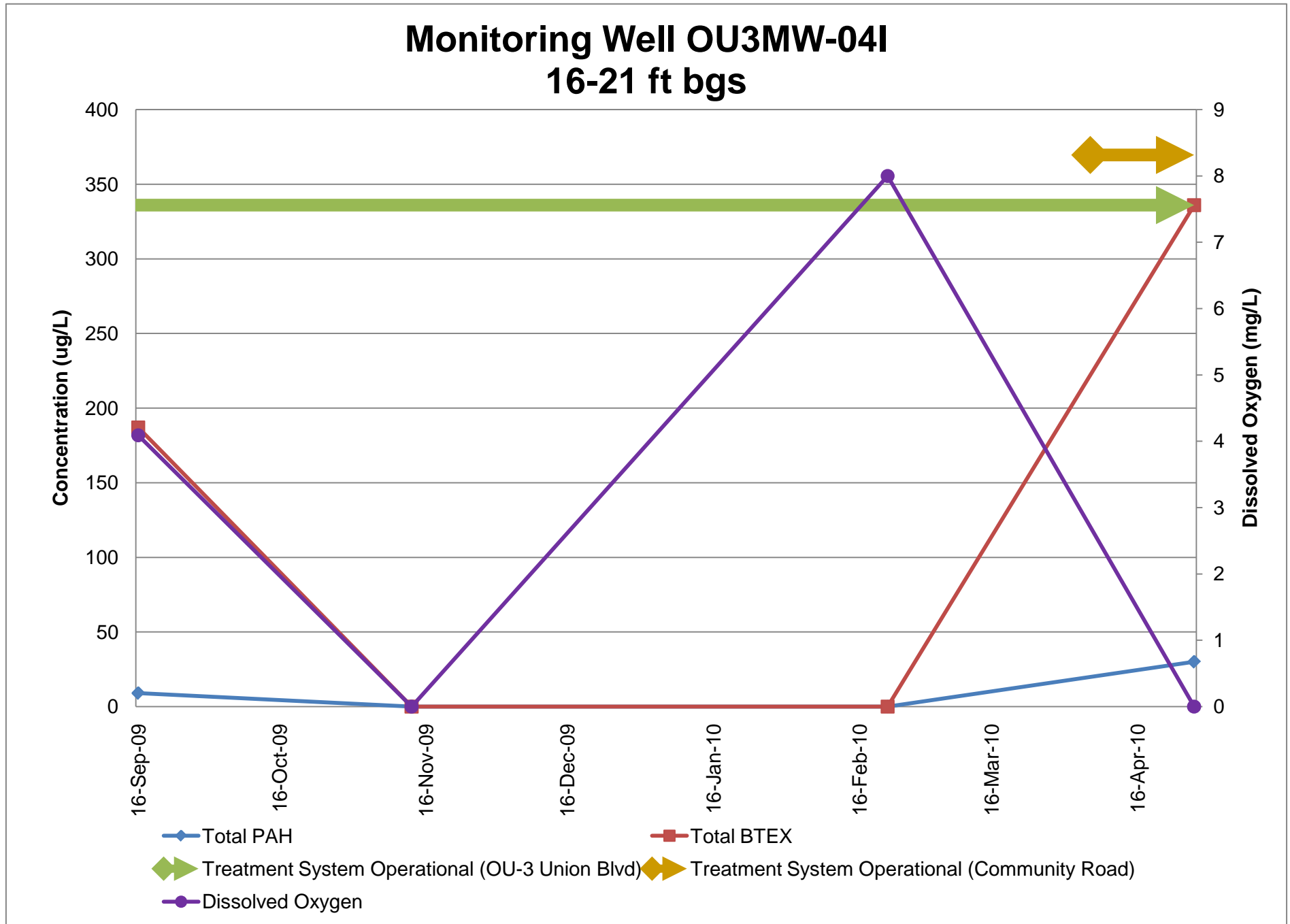


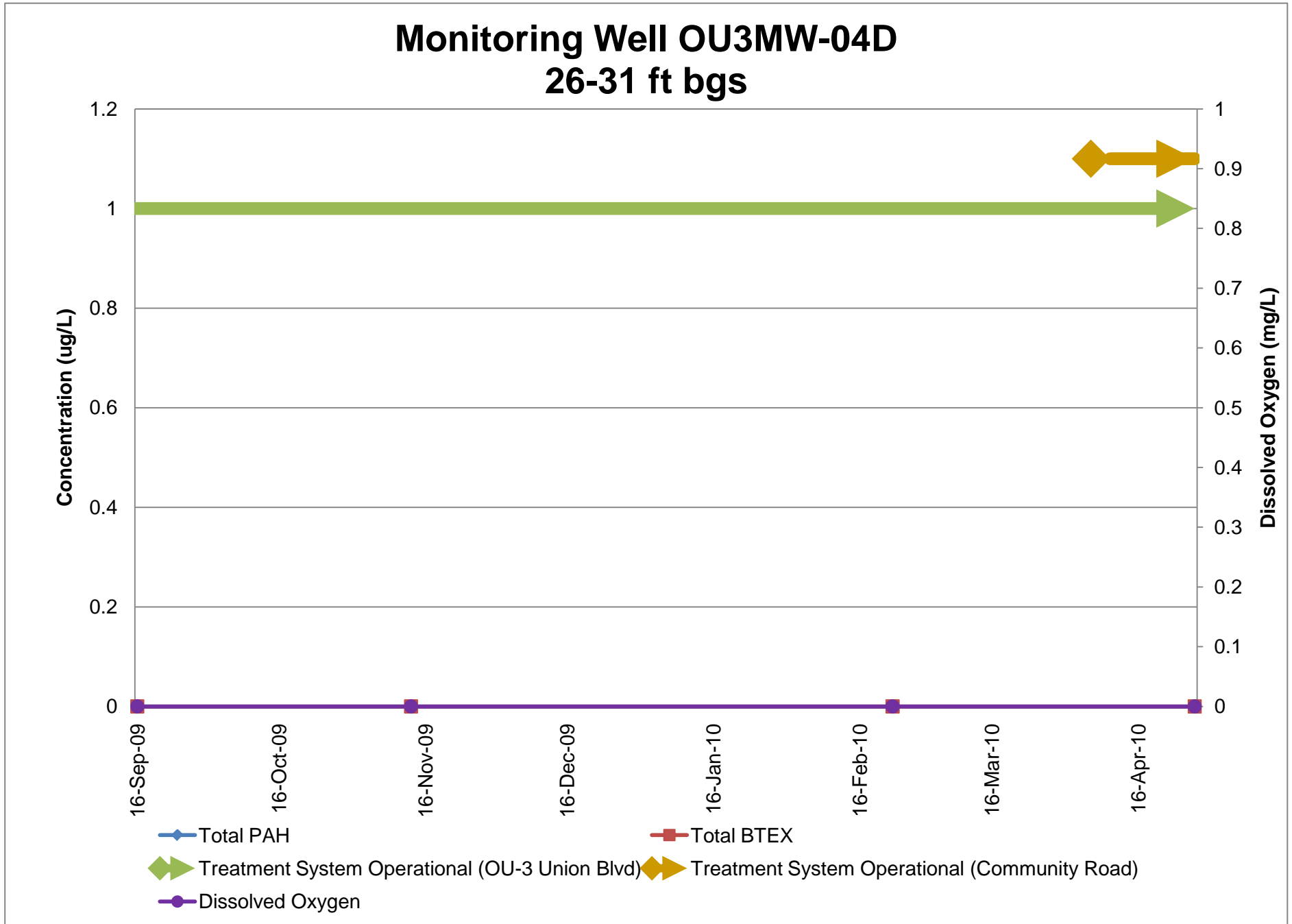
Monitoring Well OU3MW-03I 20-25 ft bgs



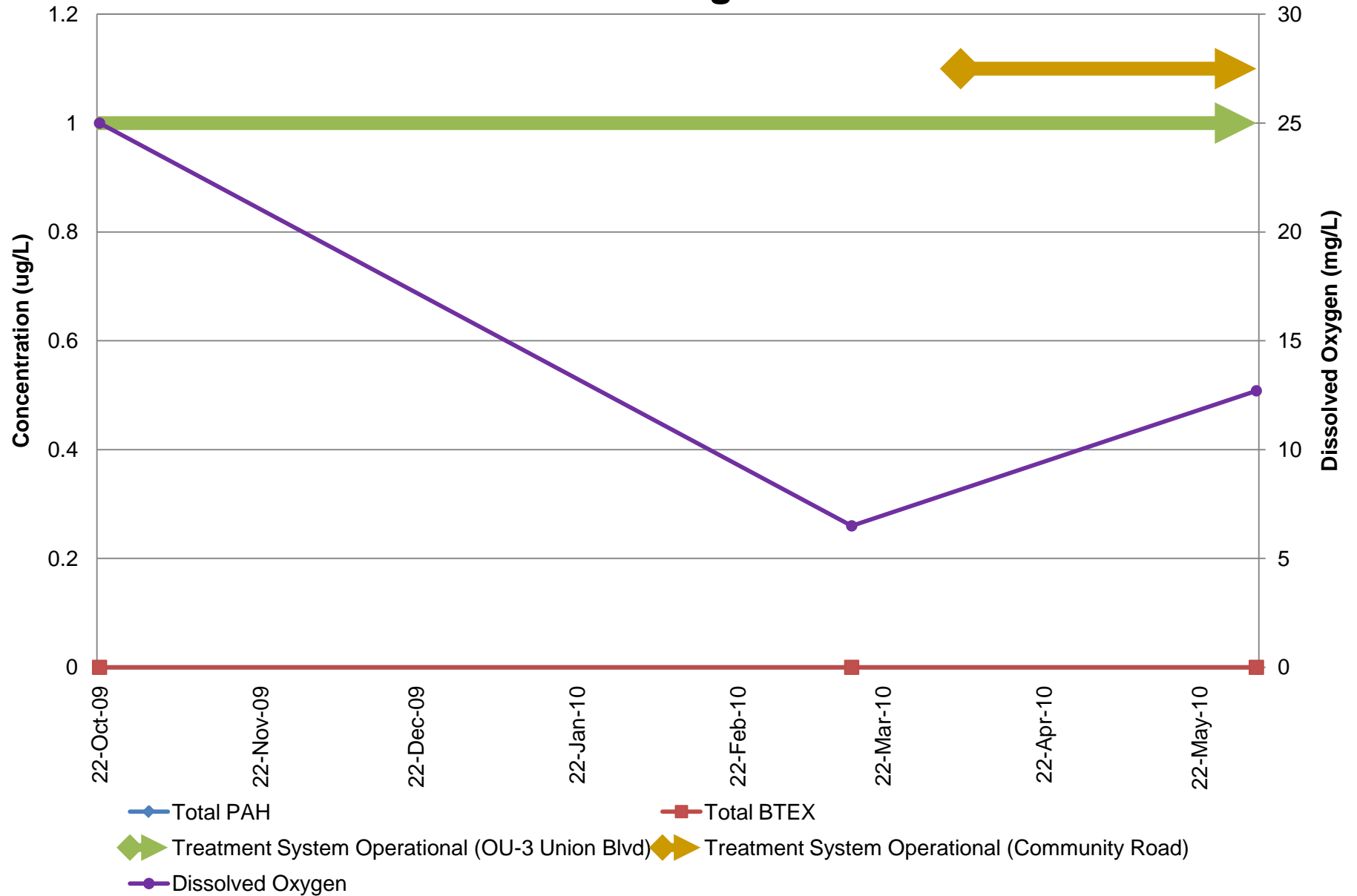
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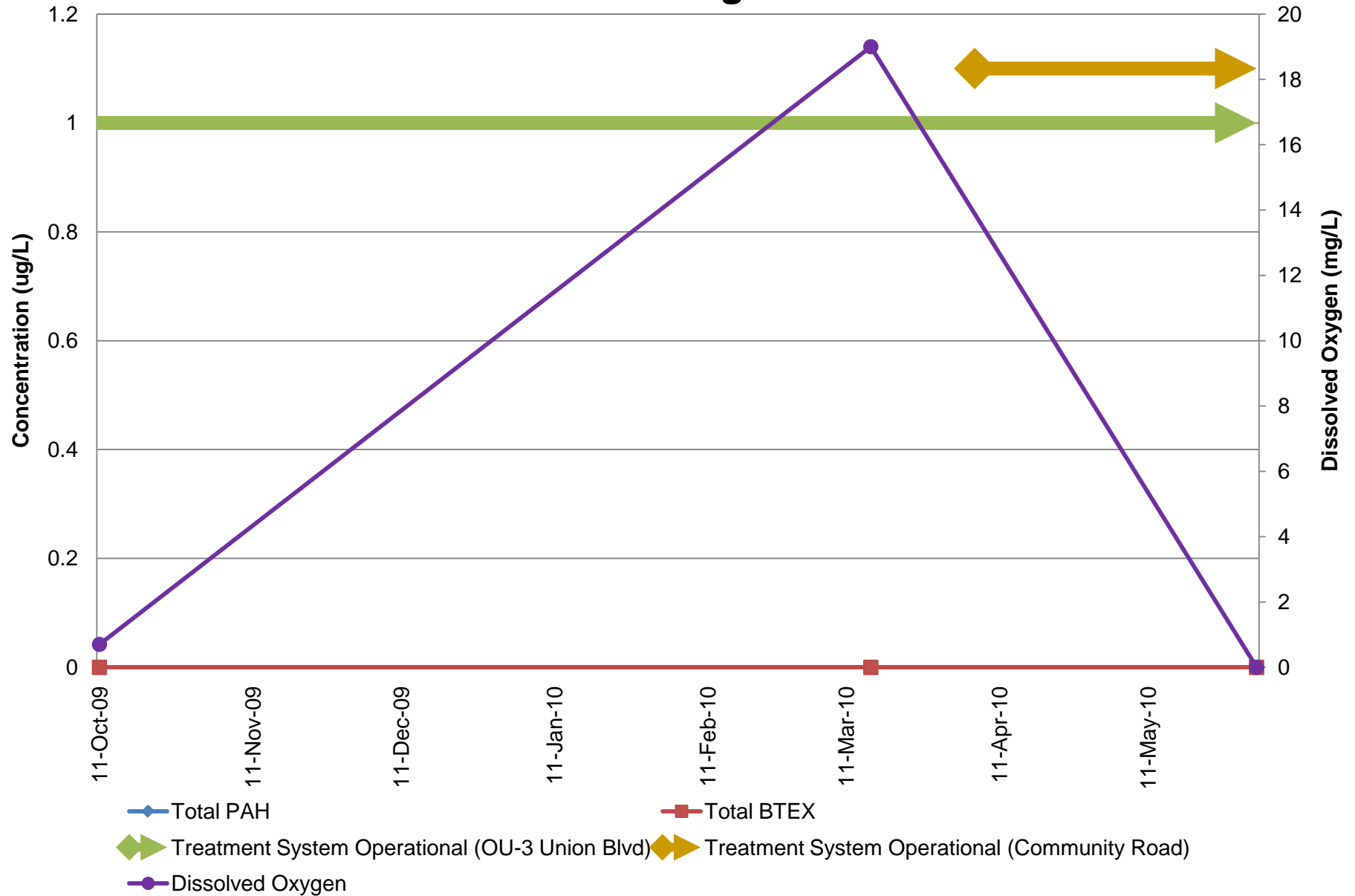




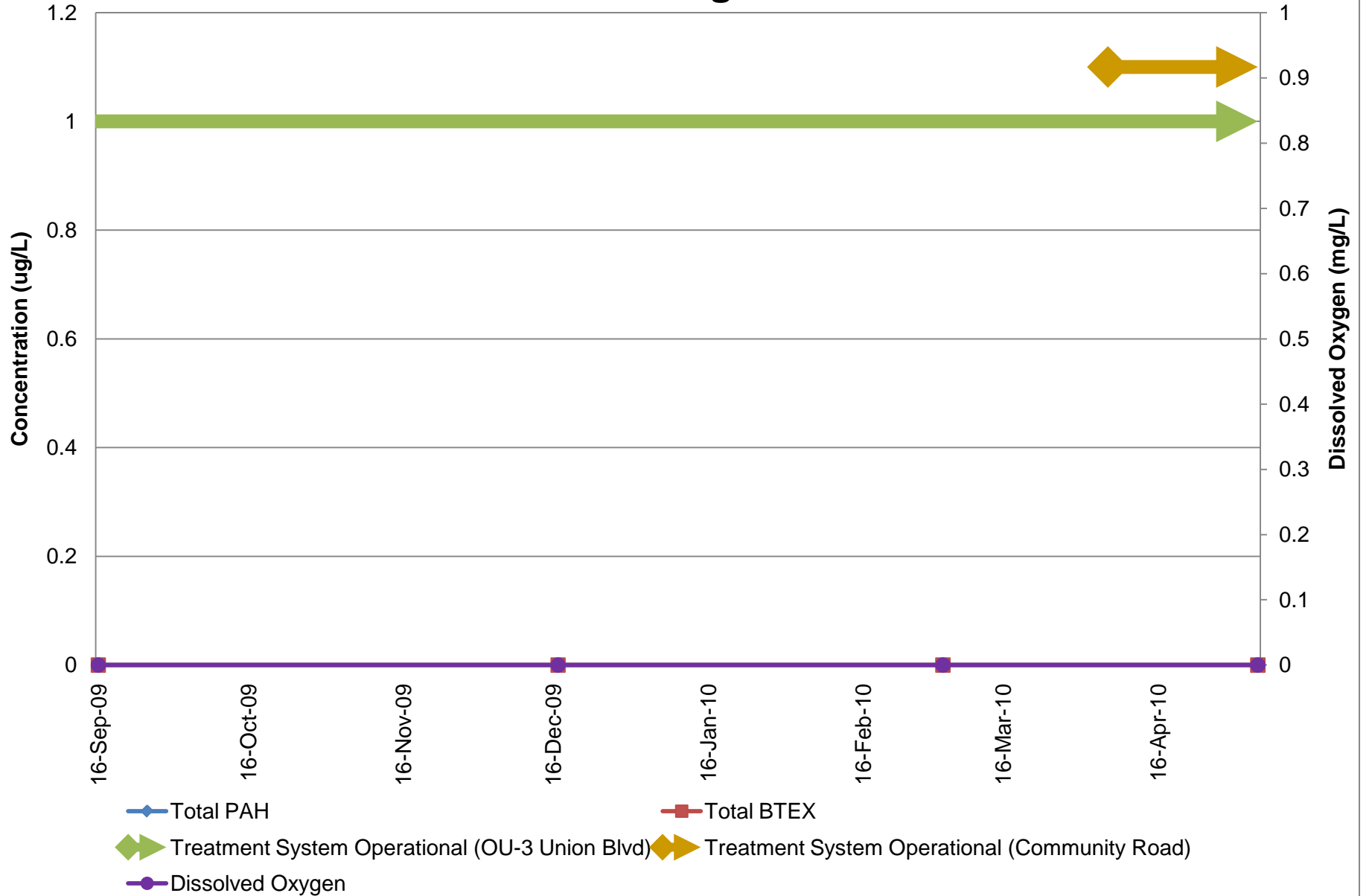
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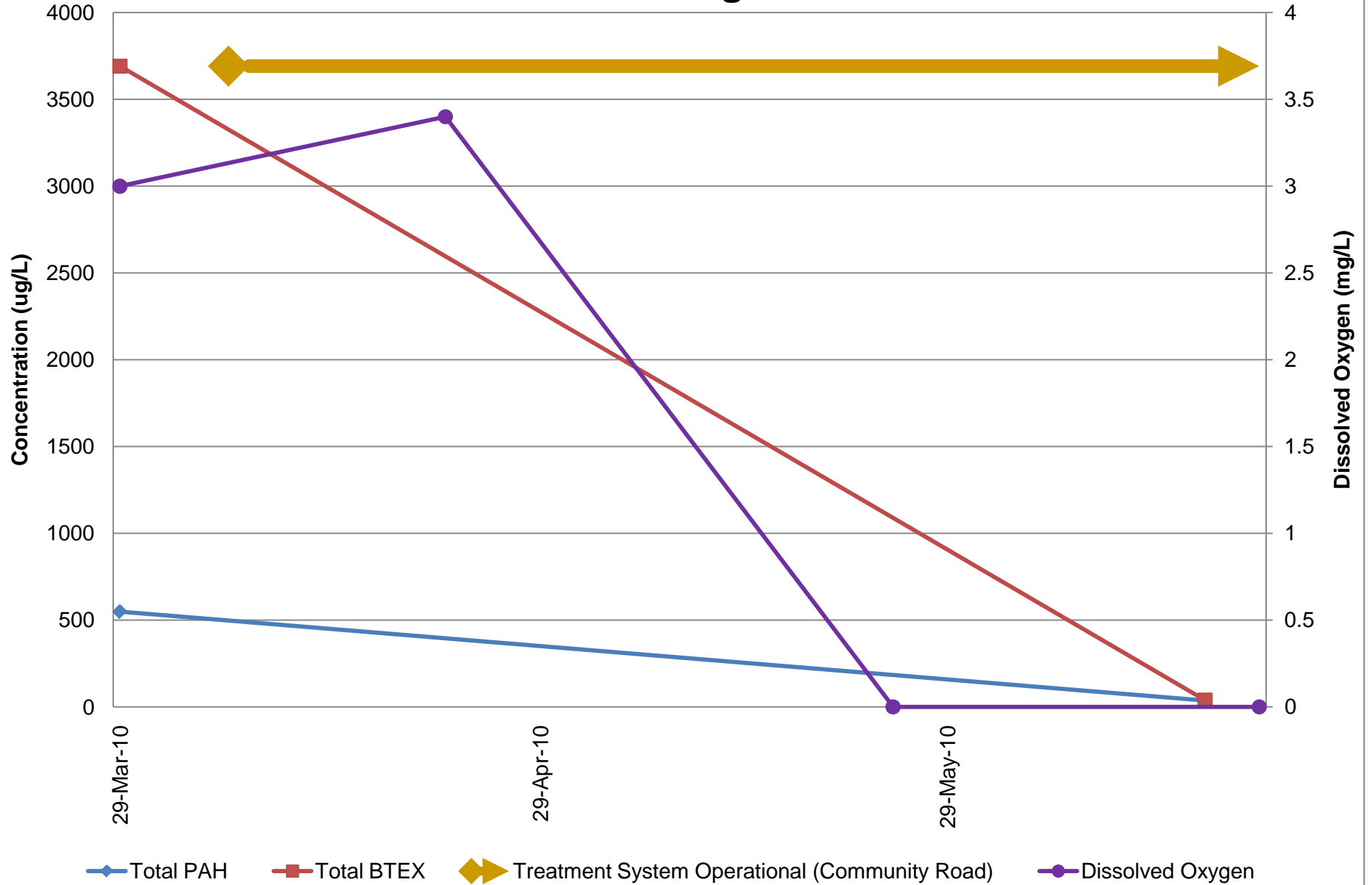
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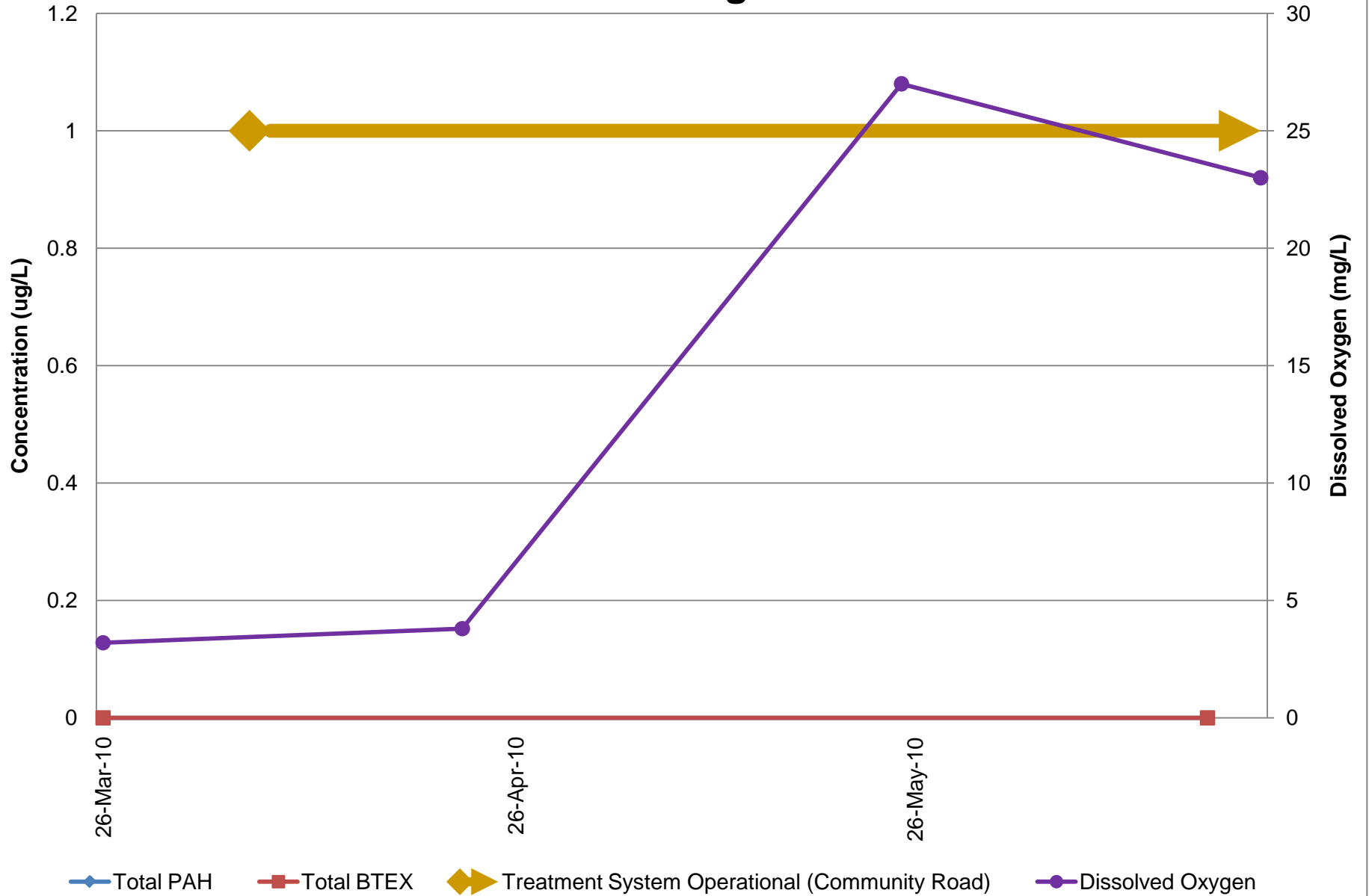
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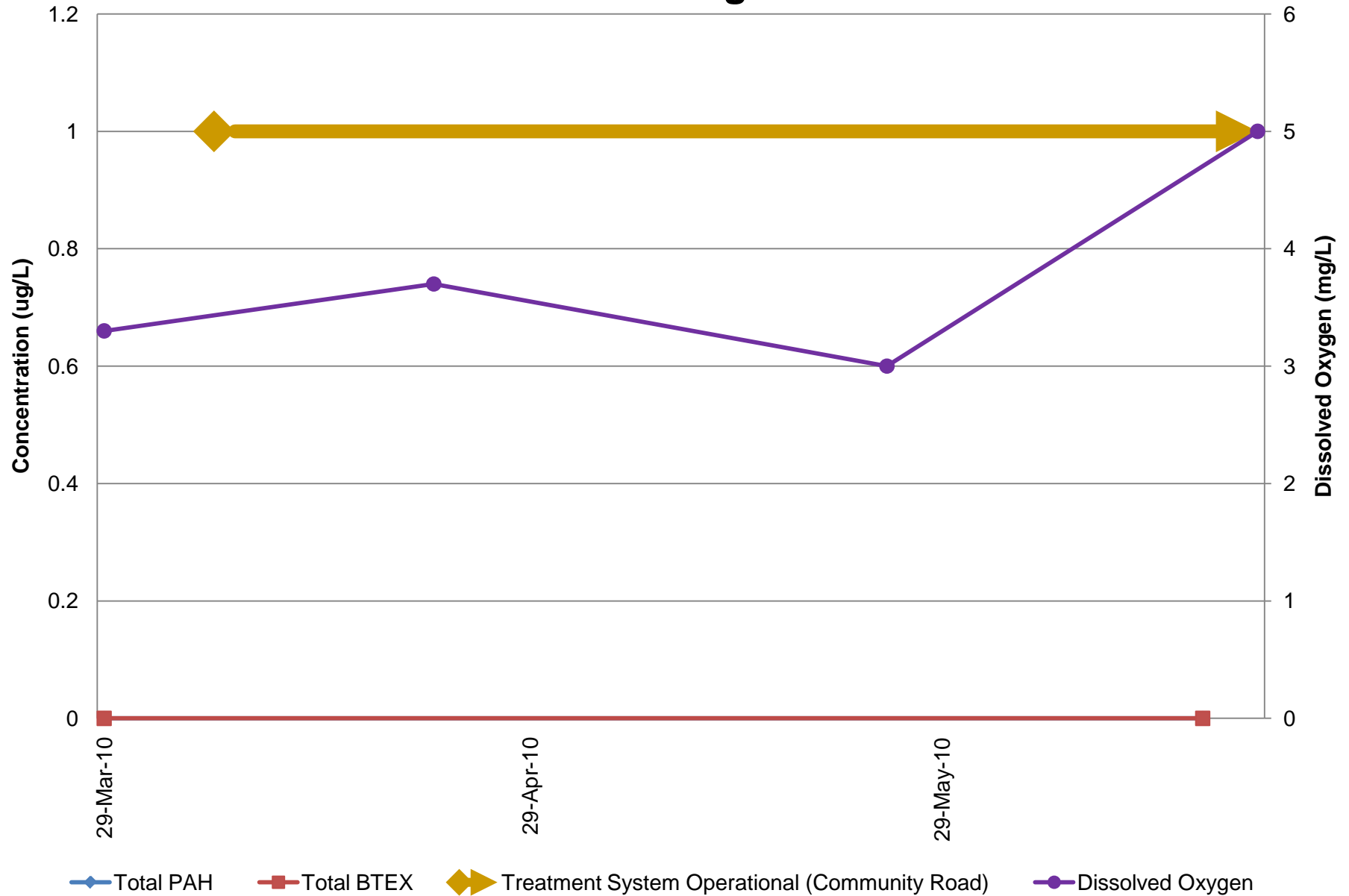
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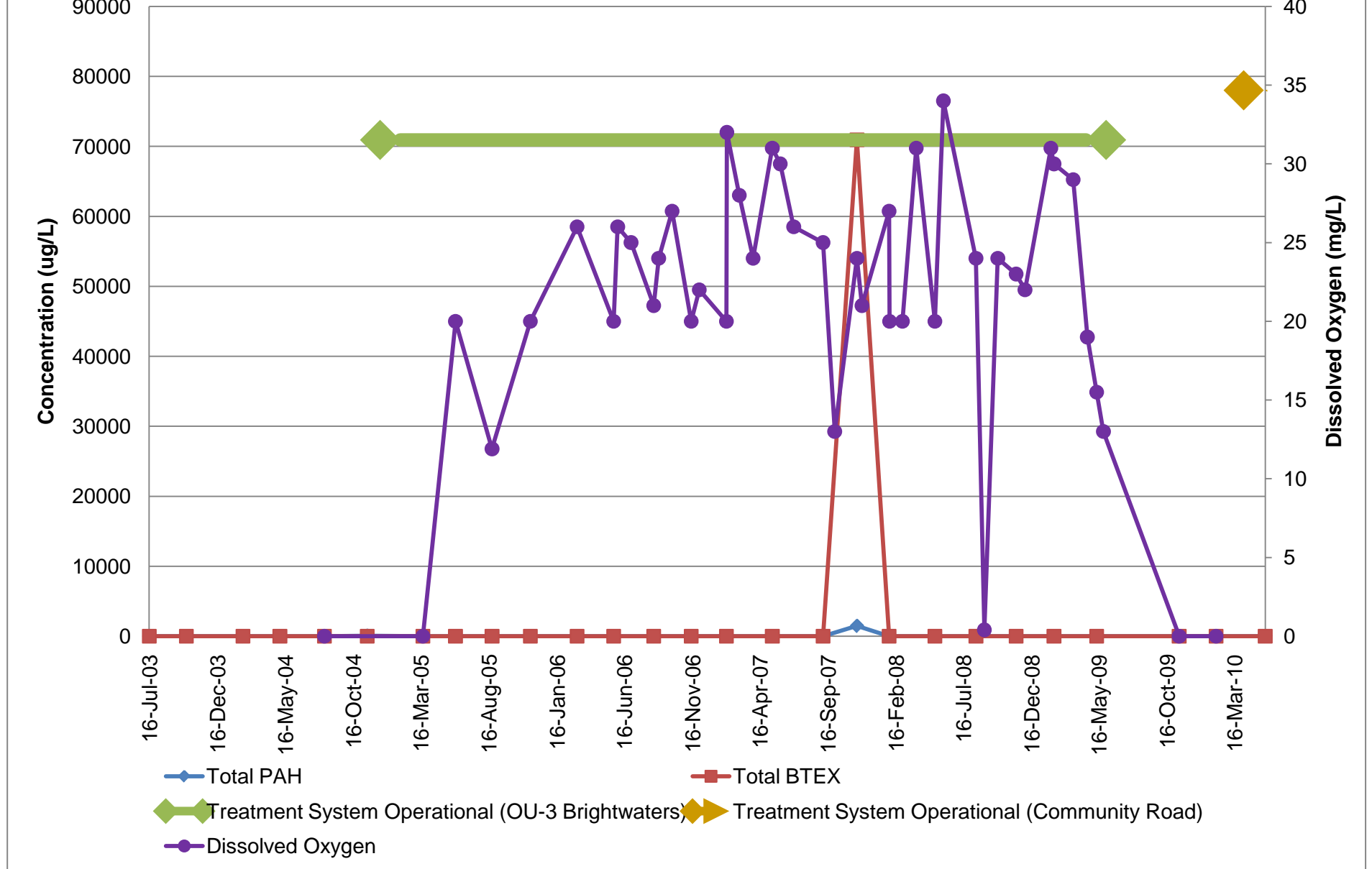
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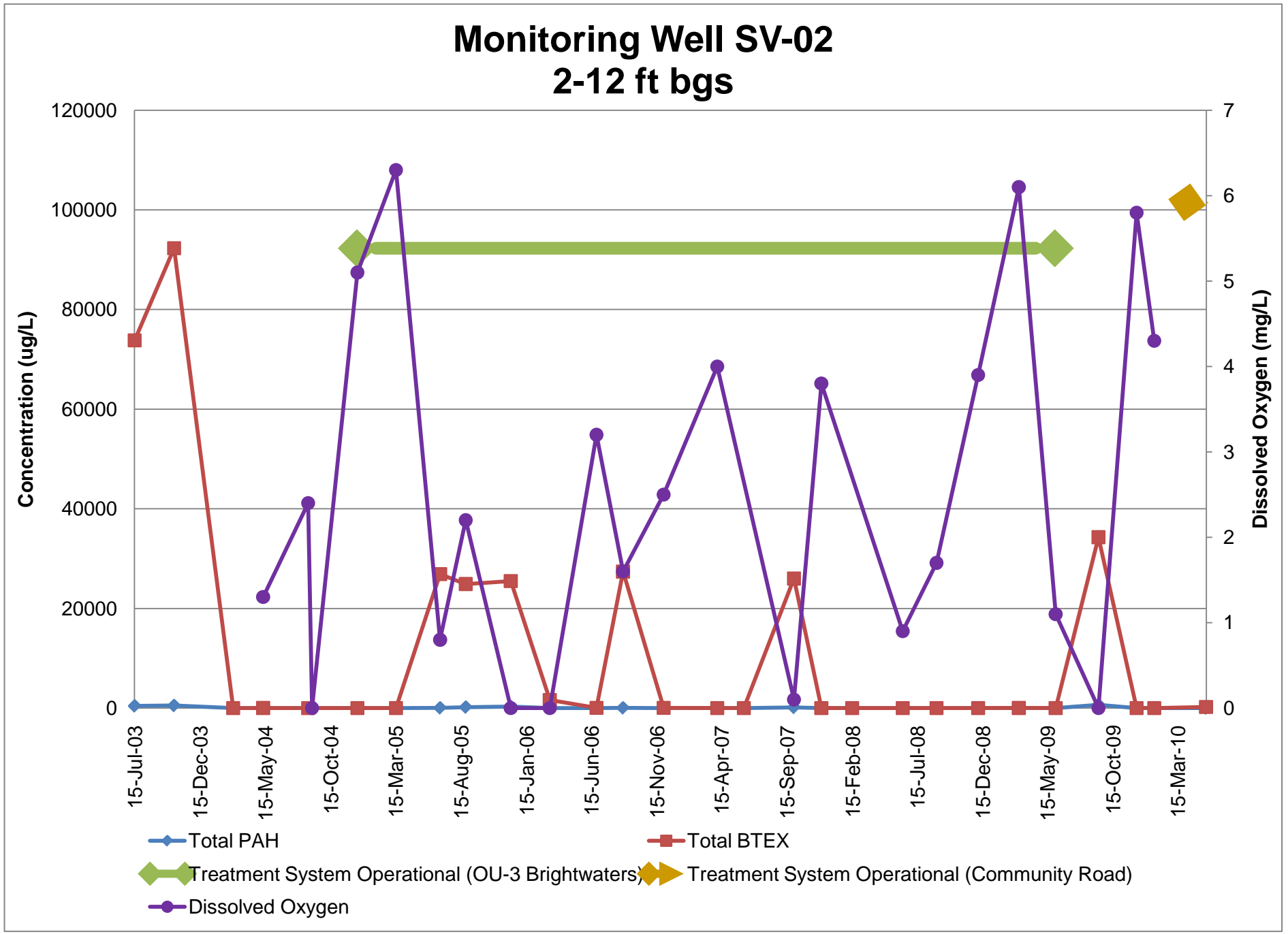


Monitoring Well OU3MW-0712 20-25 ft bgs

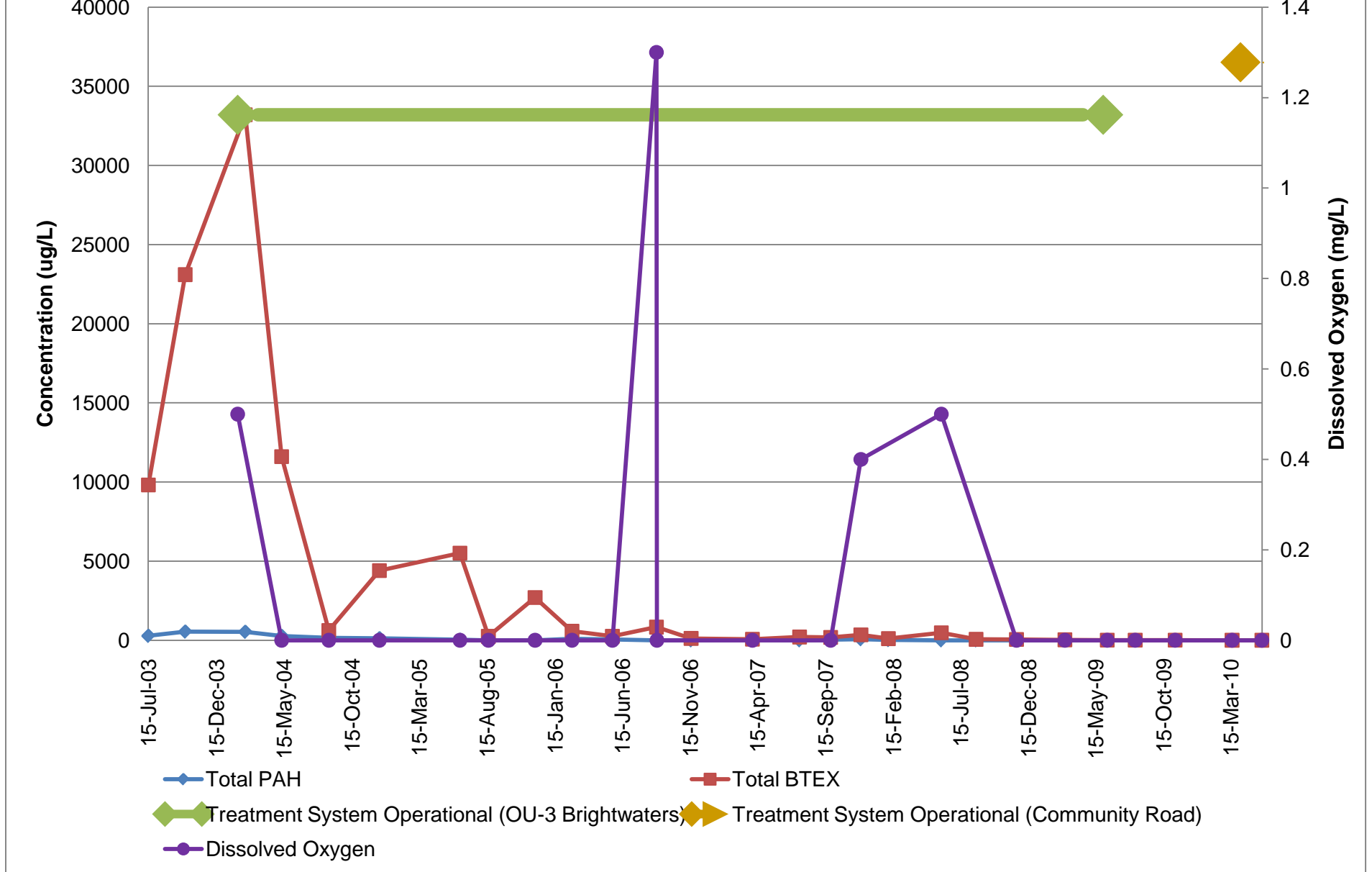


Monitoring Well PDMW-01 5-20 ft bgs

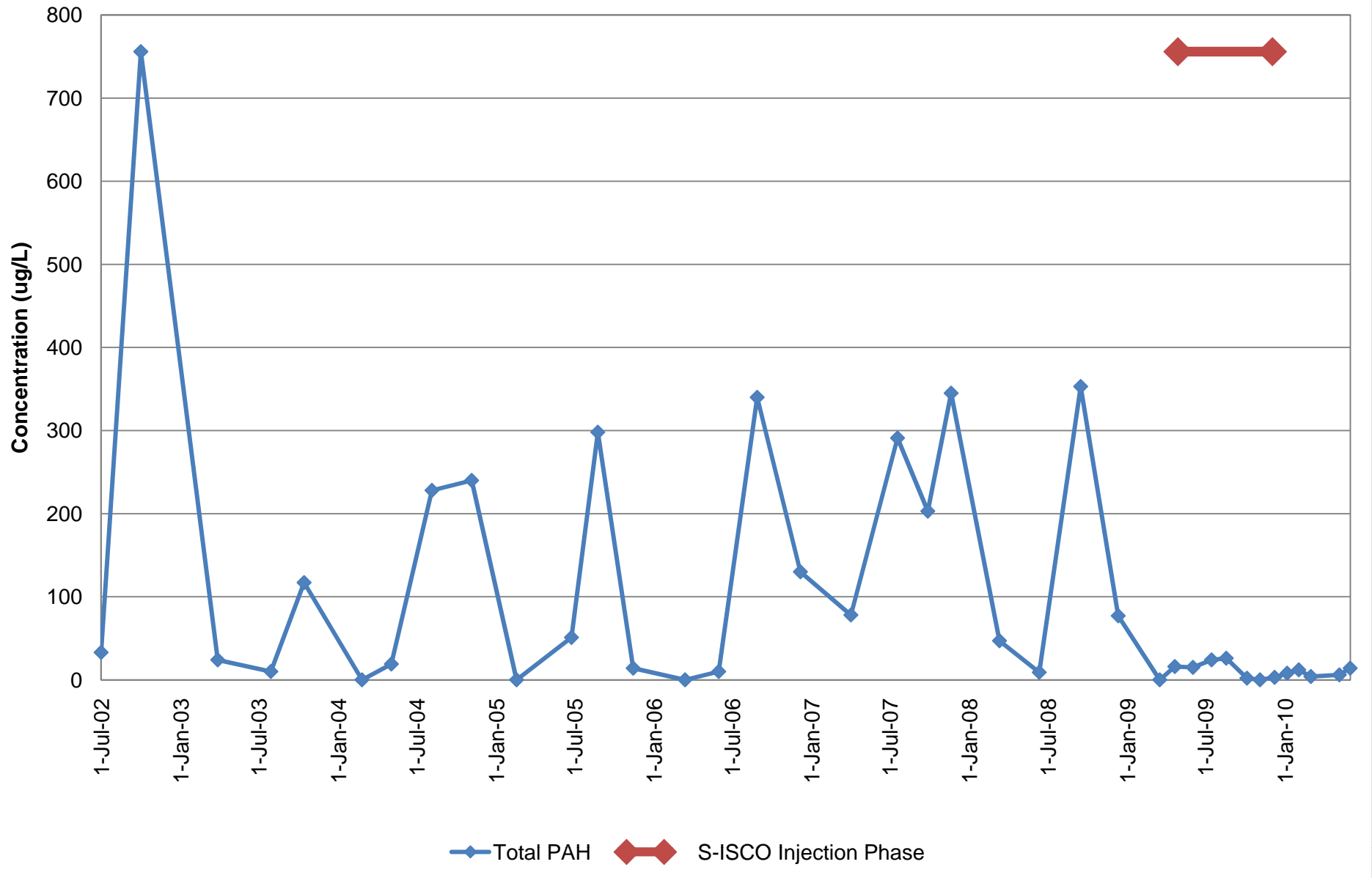




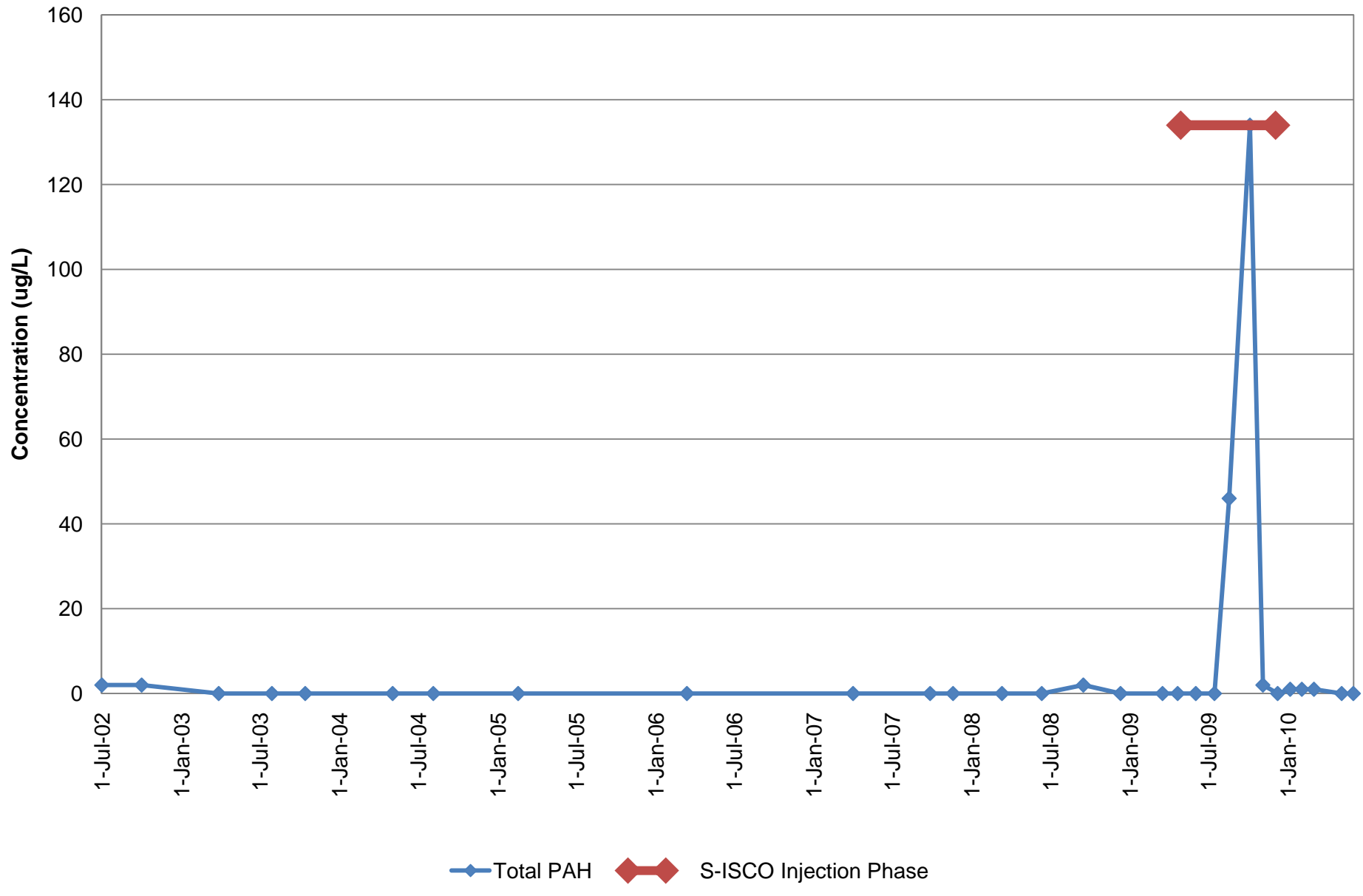
Monitoring Well SV-03 2-12 ft bgs



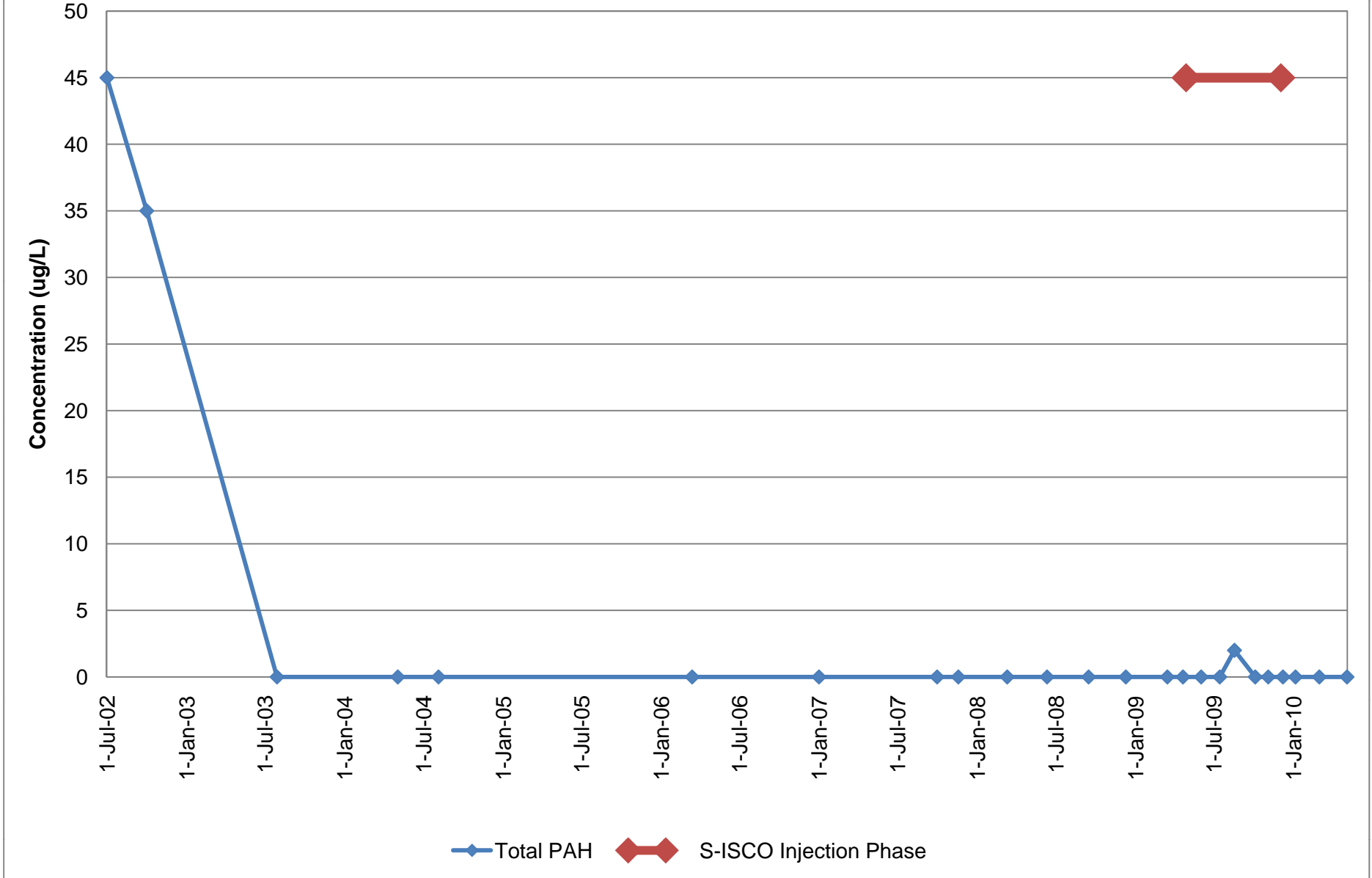
Monitoring Well WCMW-01S 2-12 ft bgs



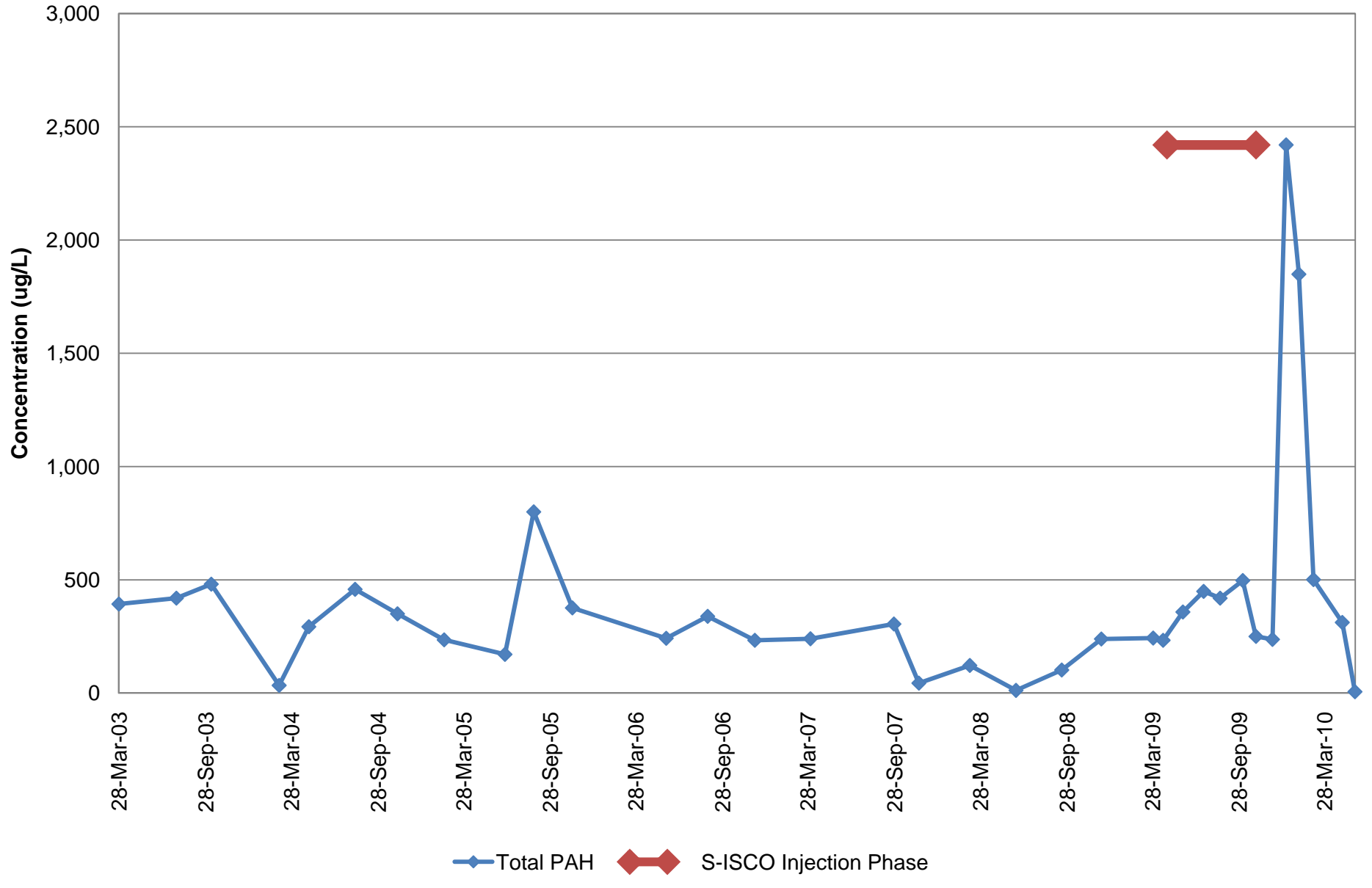
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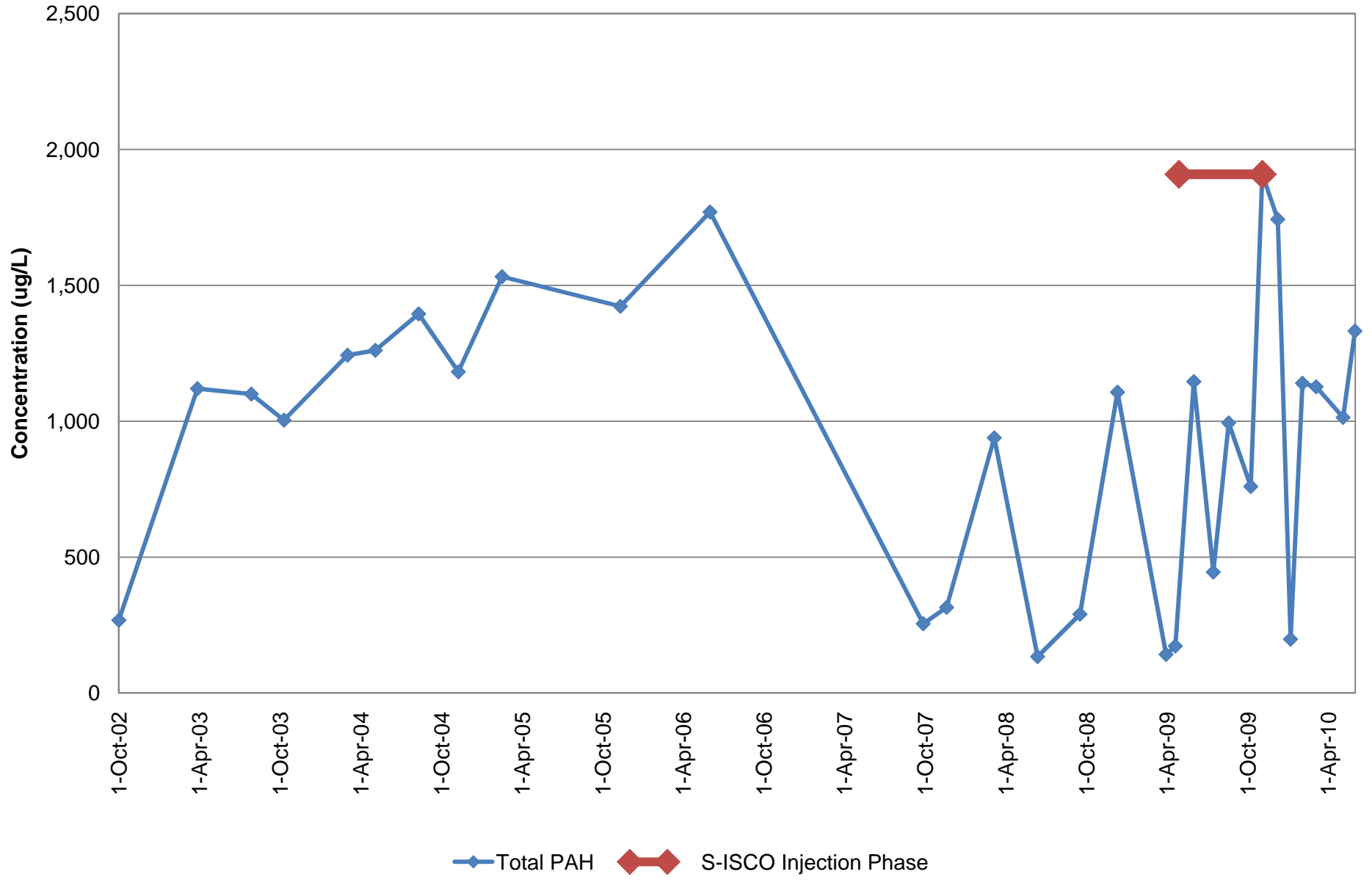
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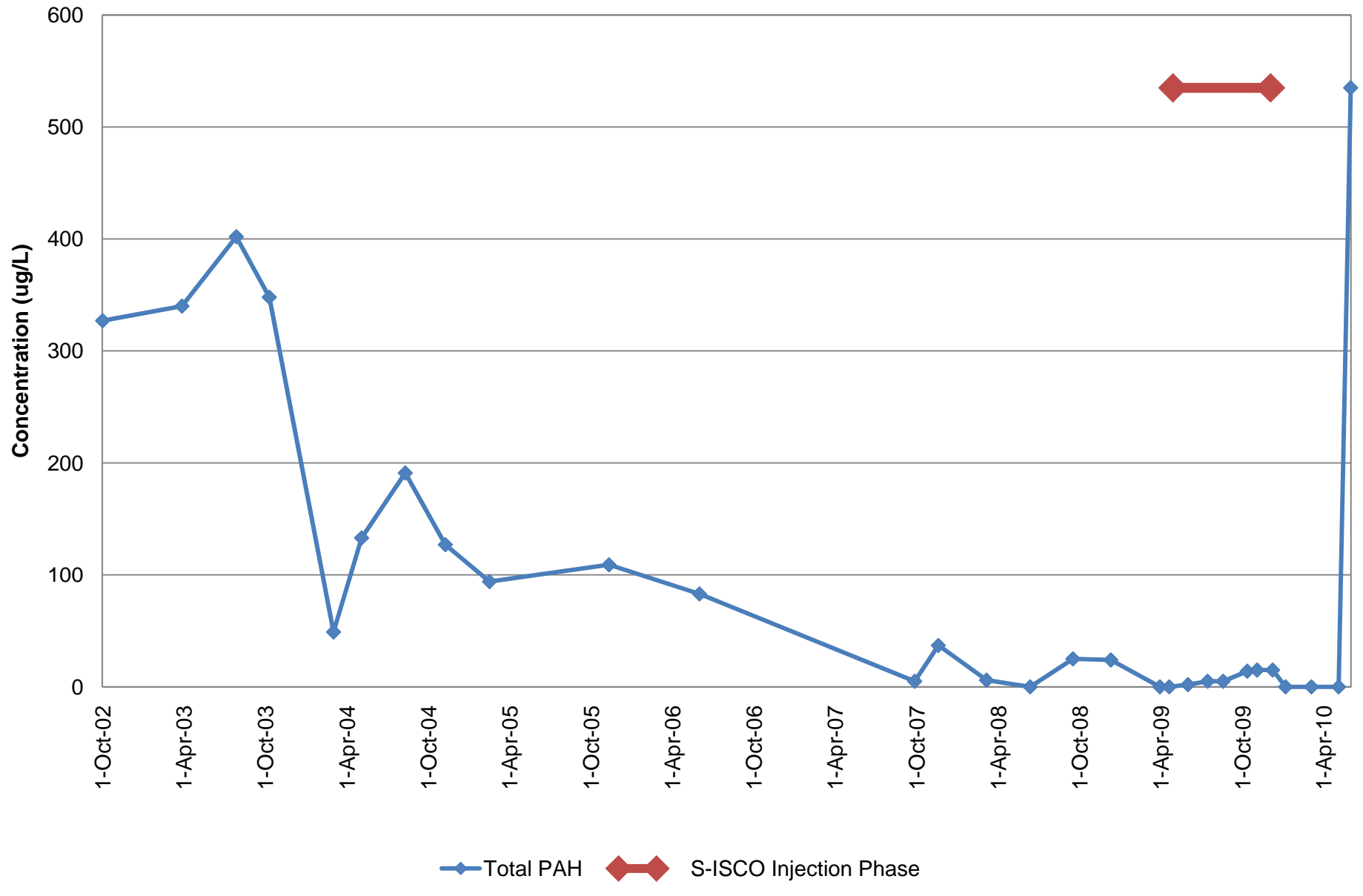
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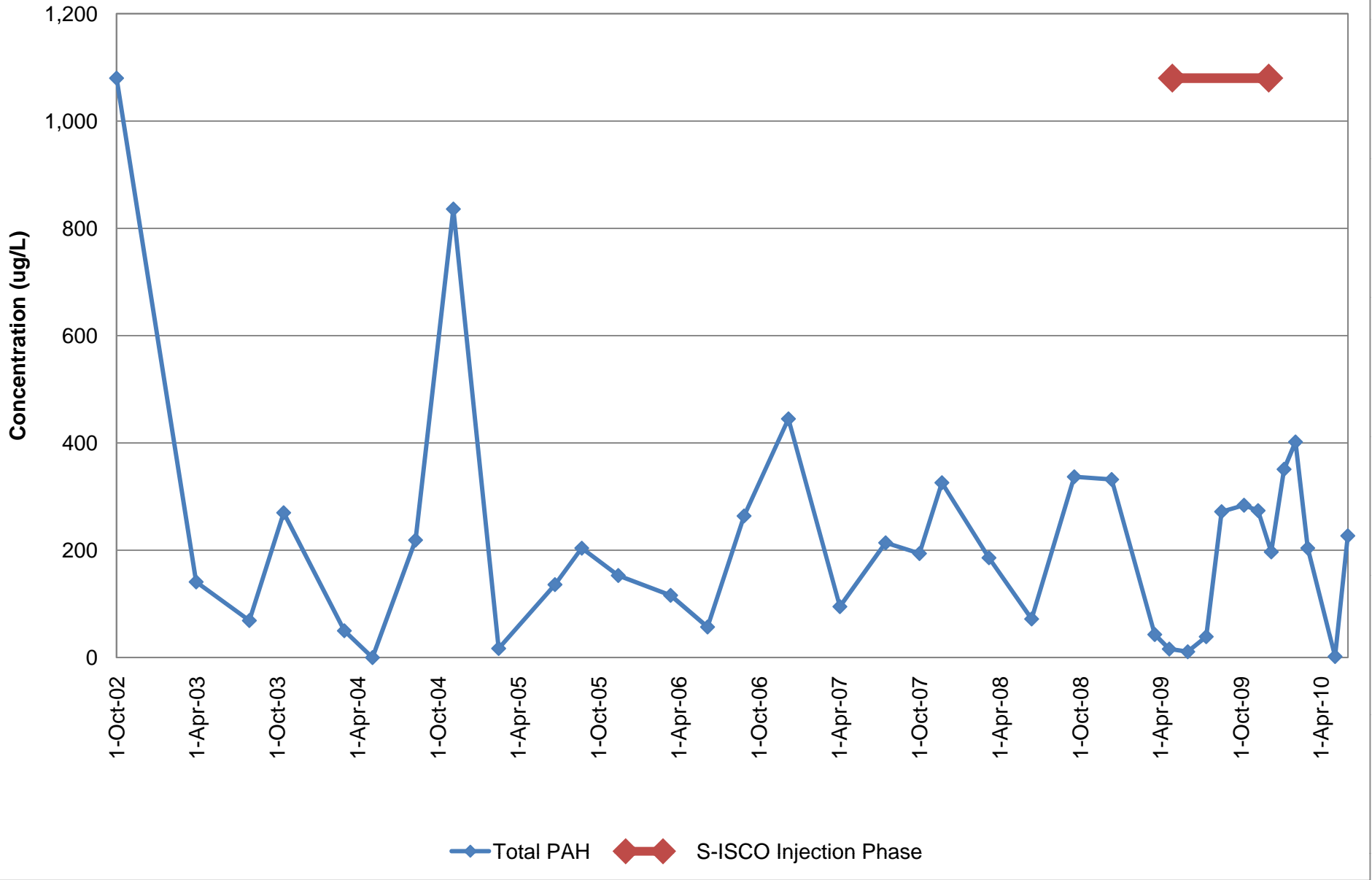
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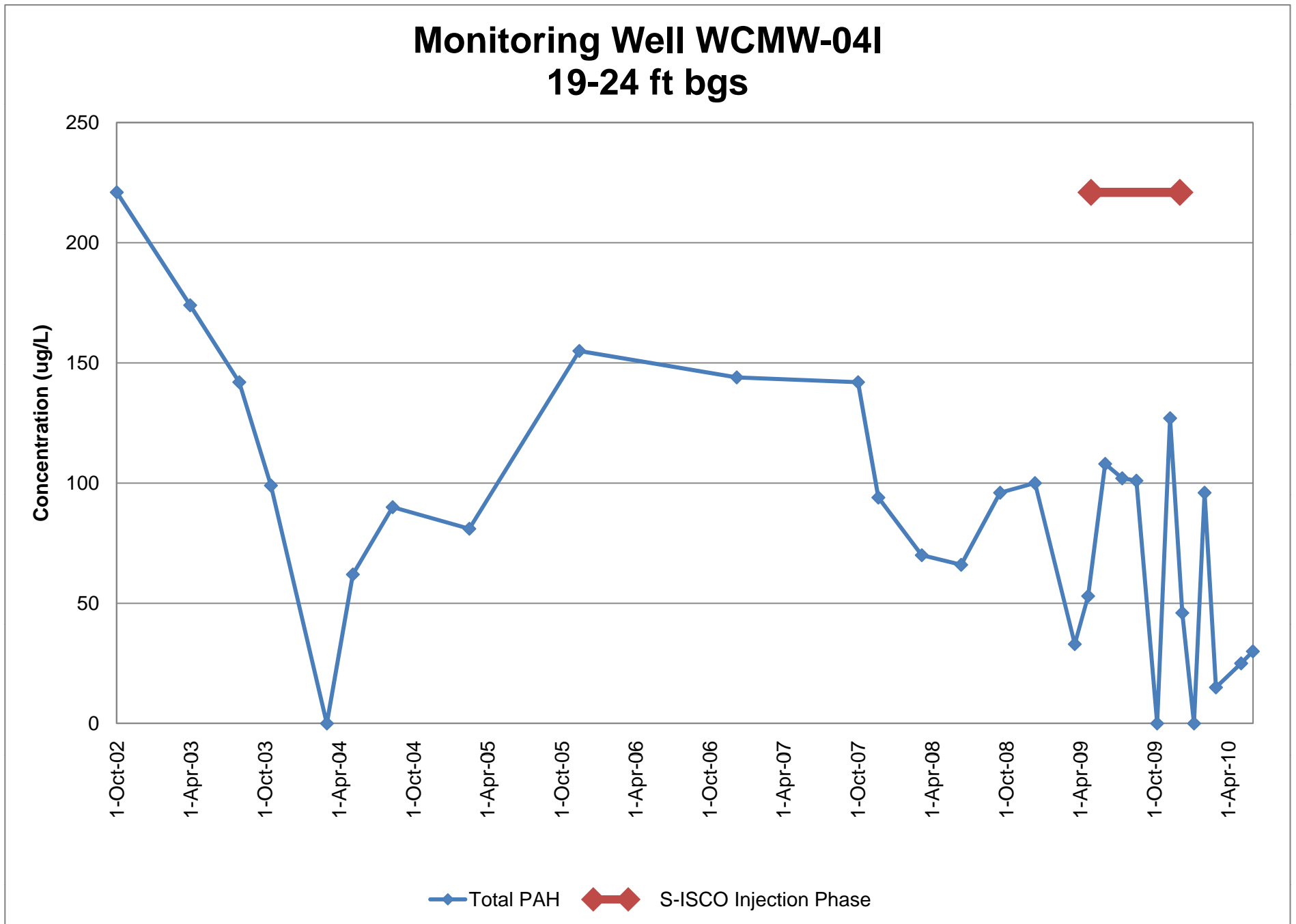


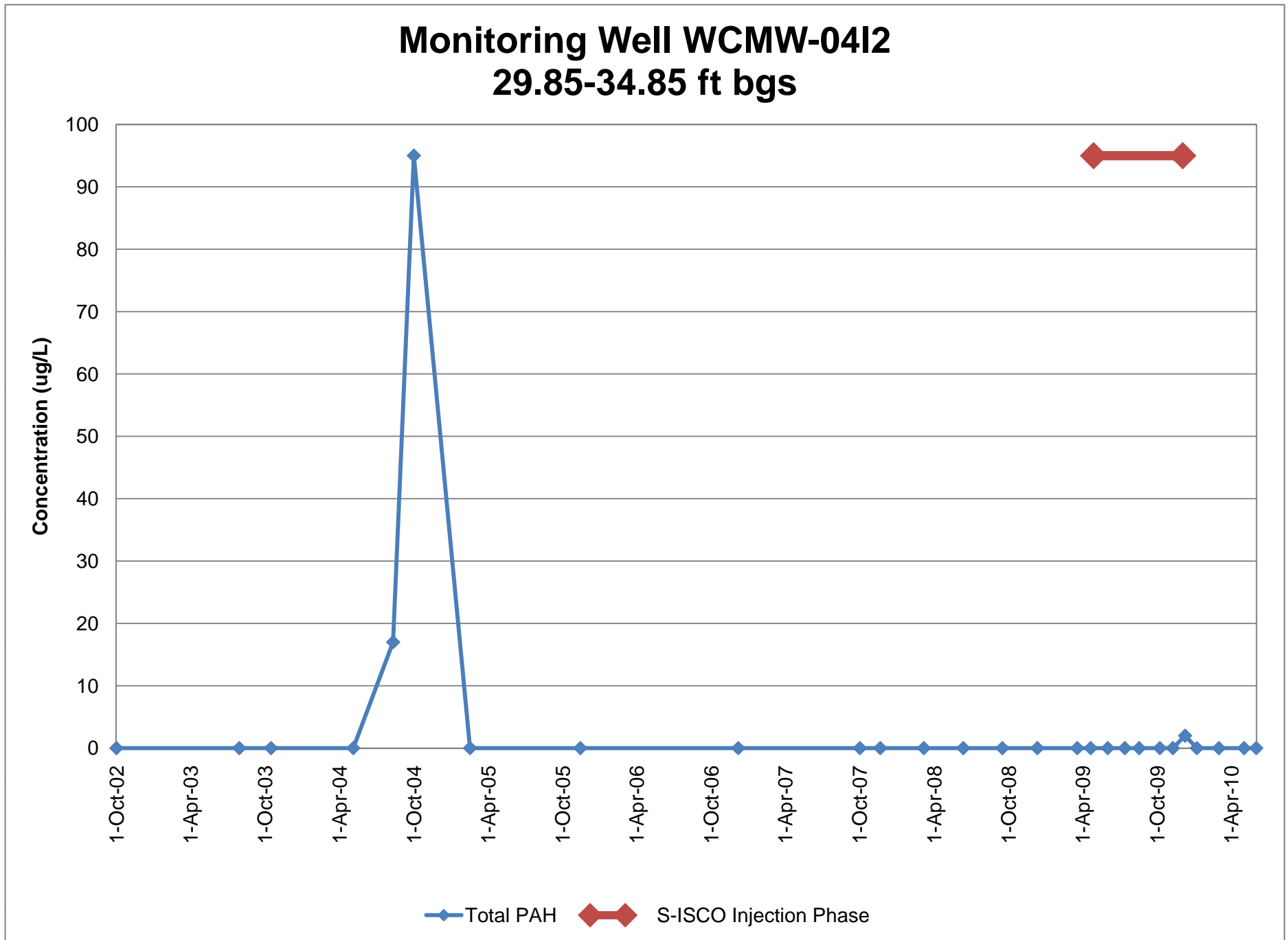
Monitoring Well WCMW-03I2 28.55-33.55 ft bgs



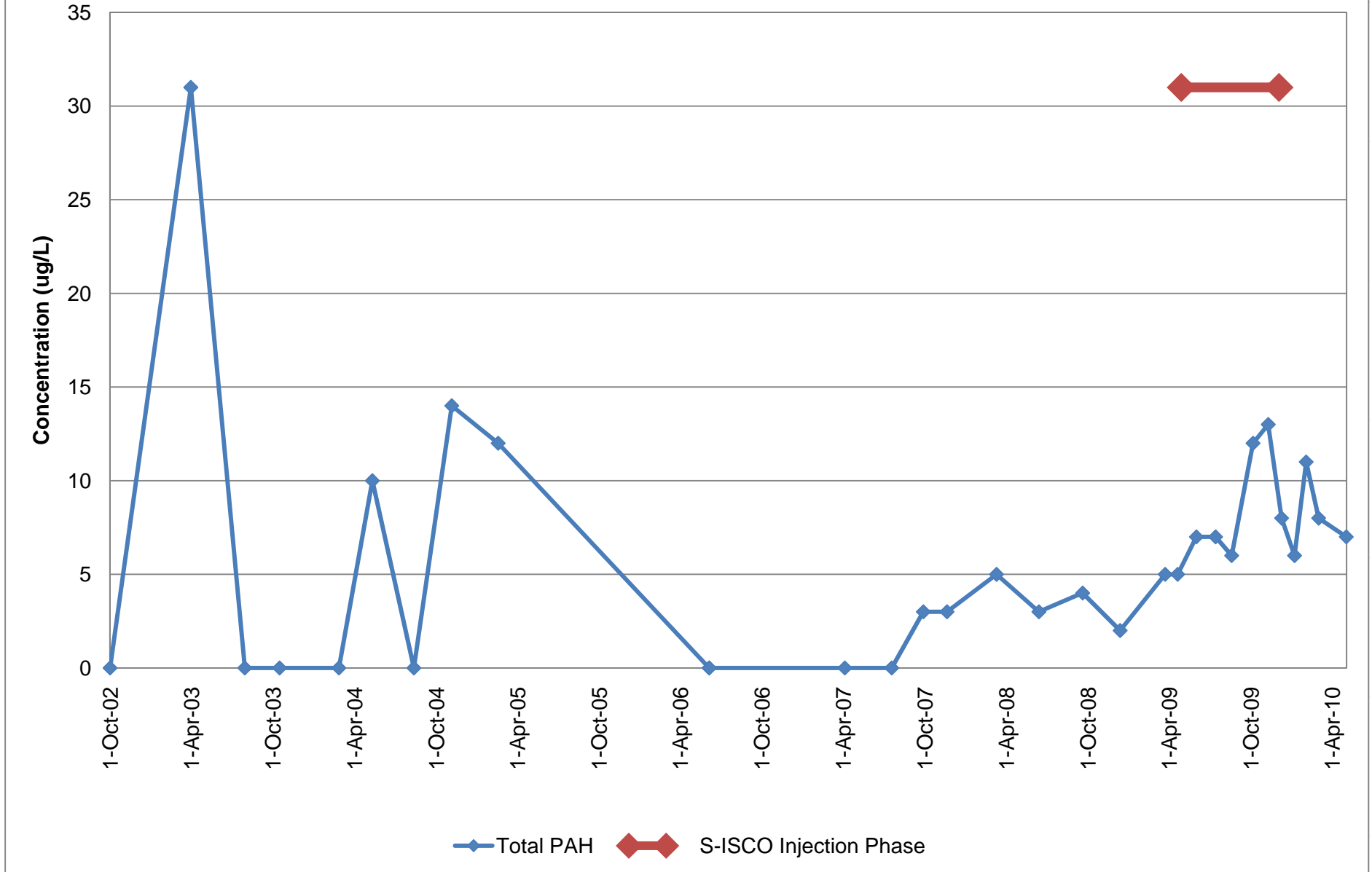
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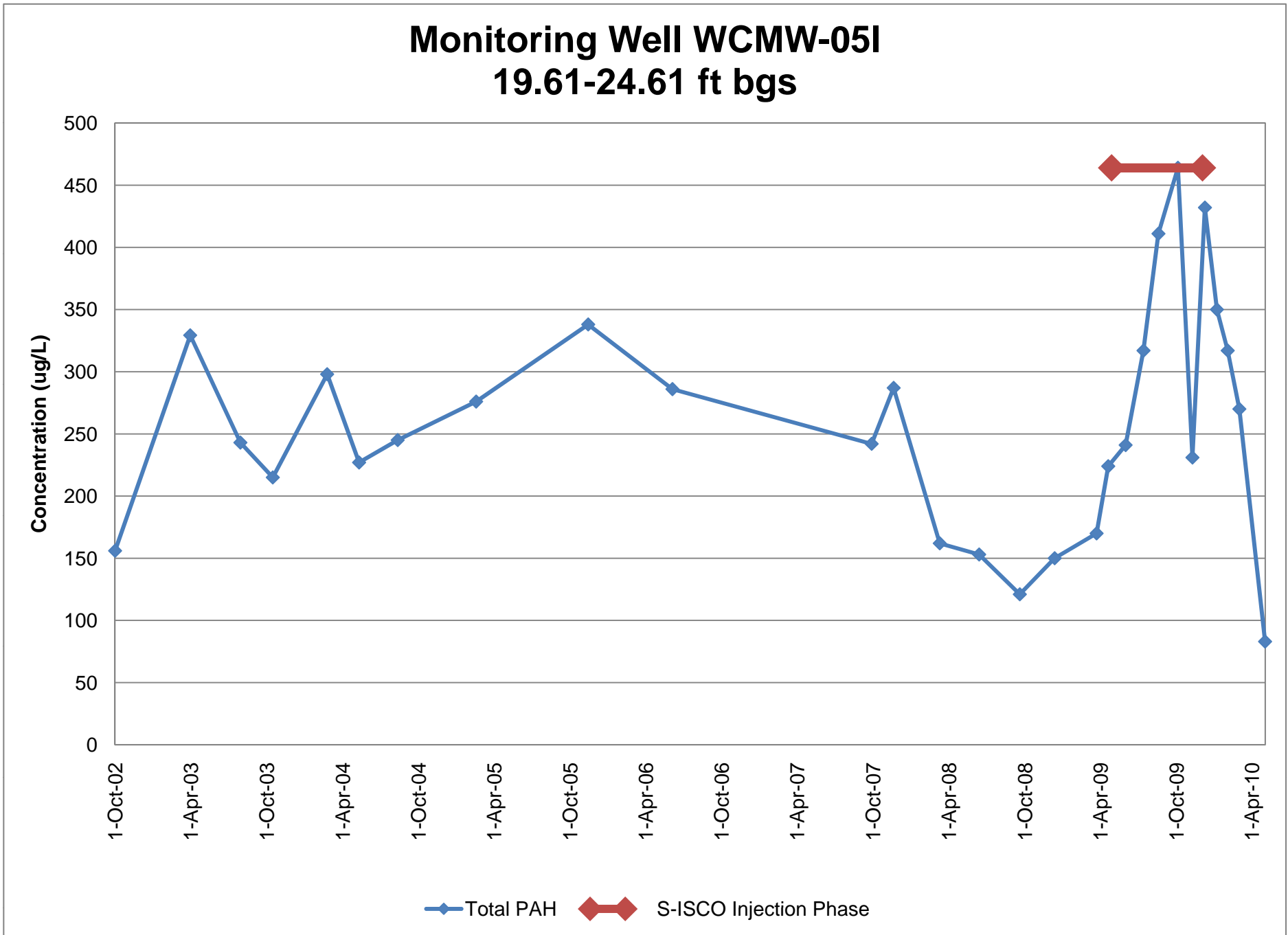




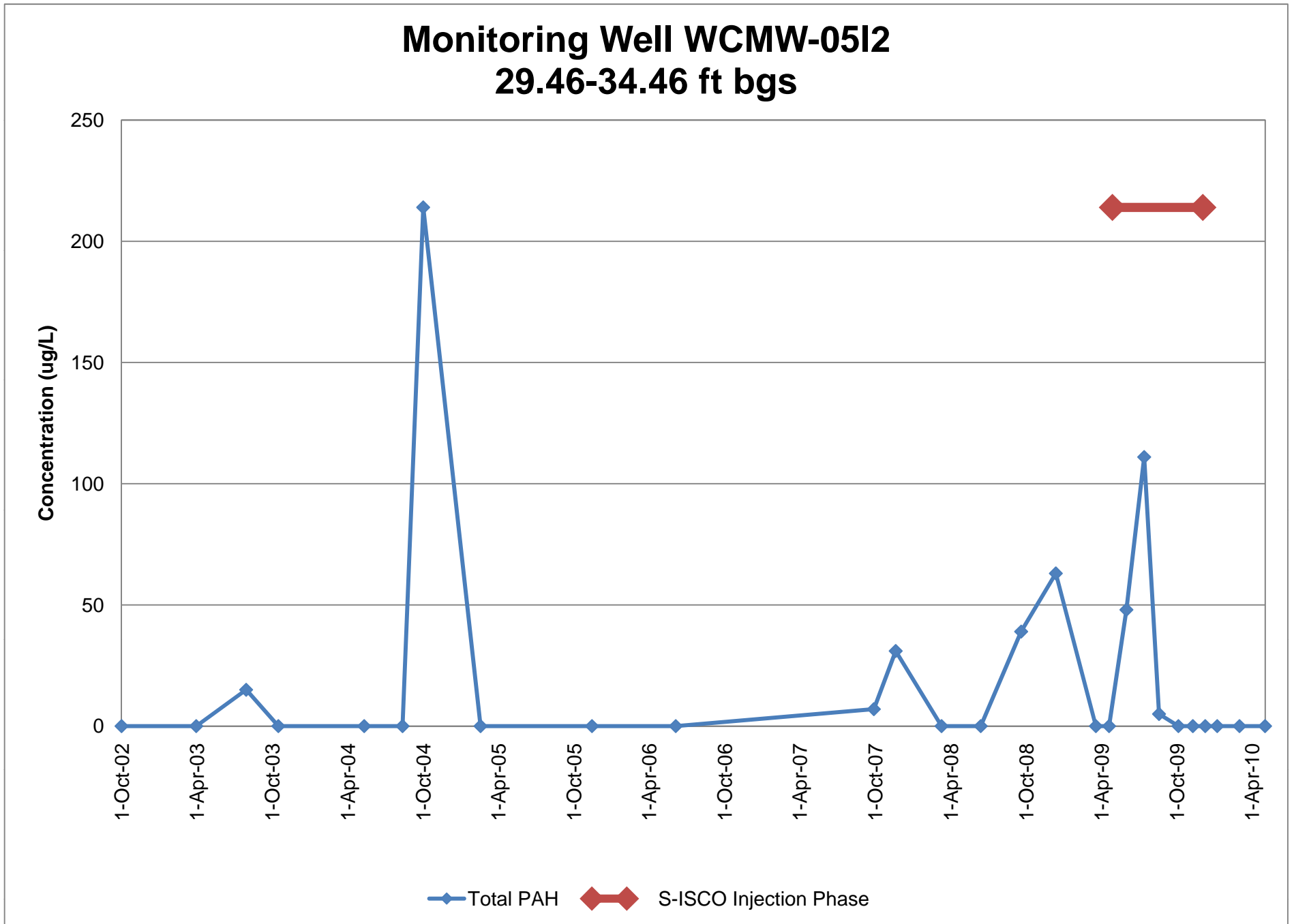
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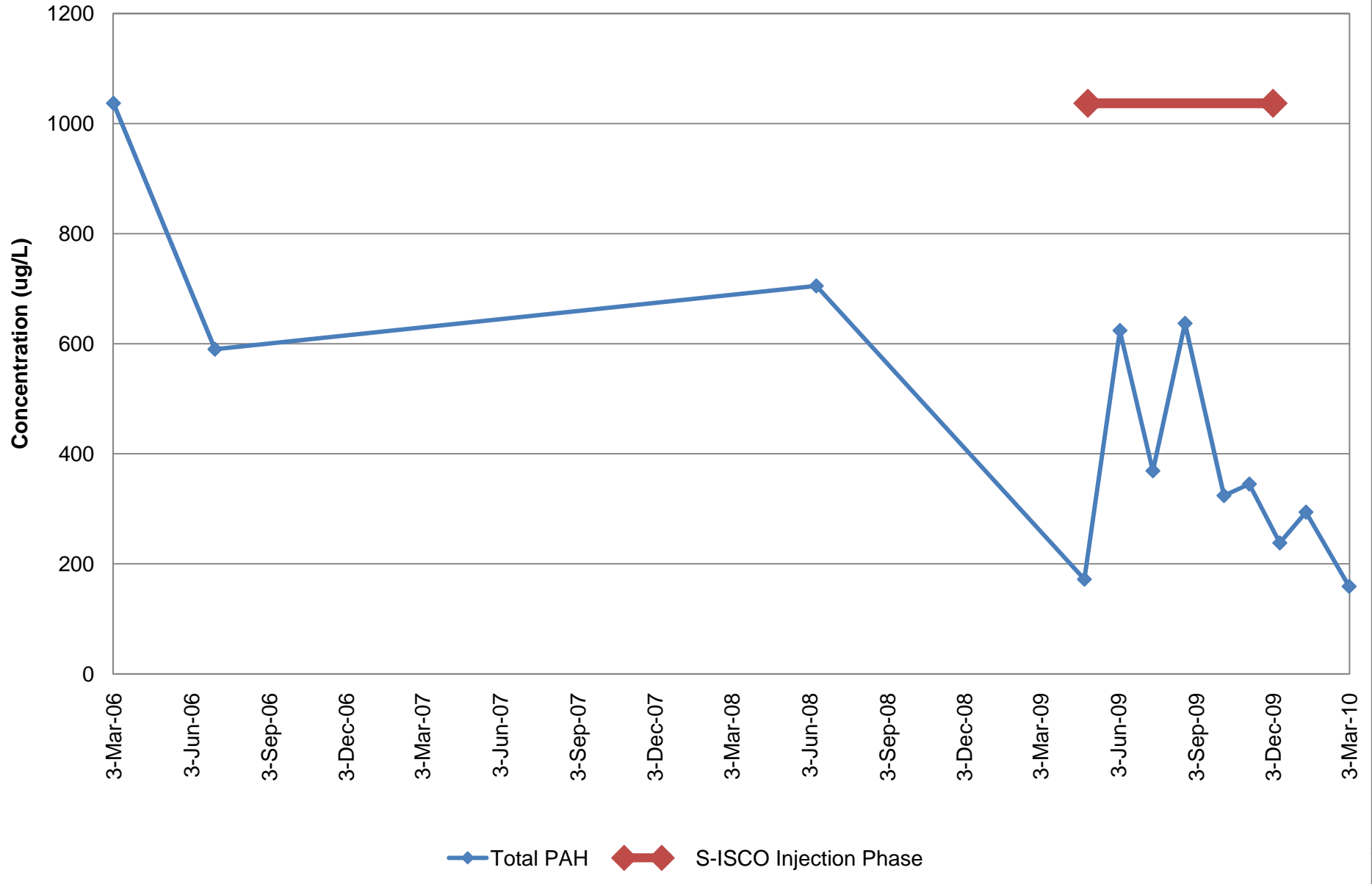
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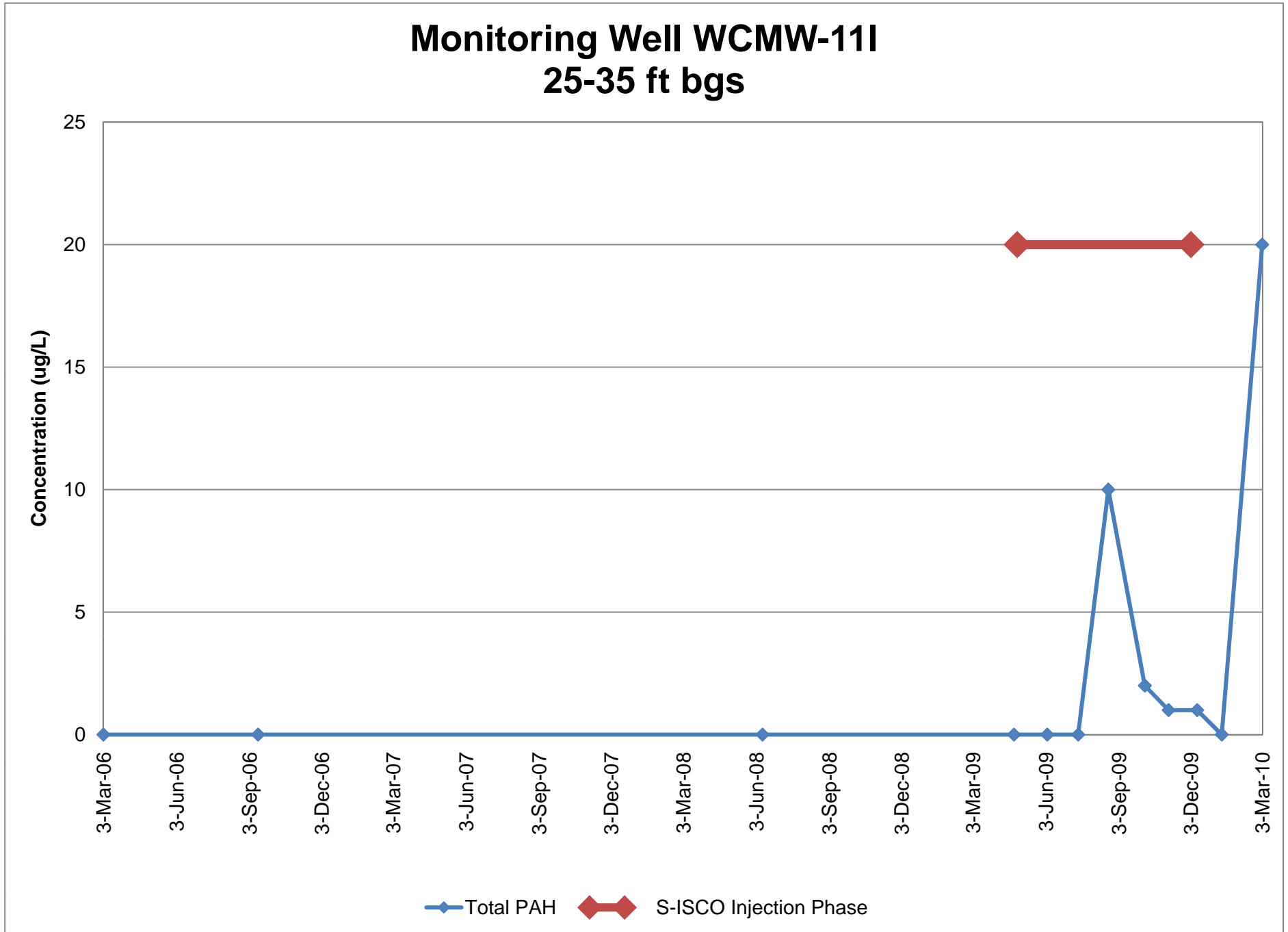


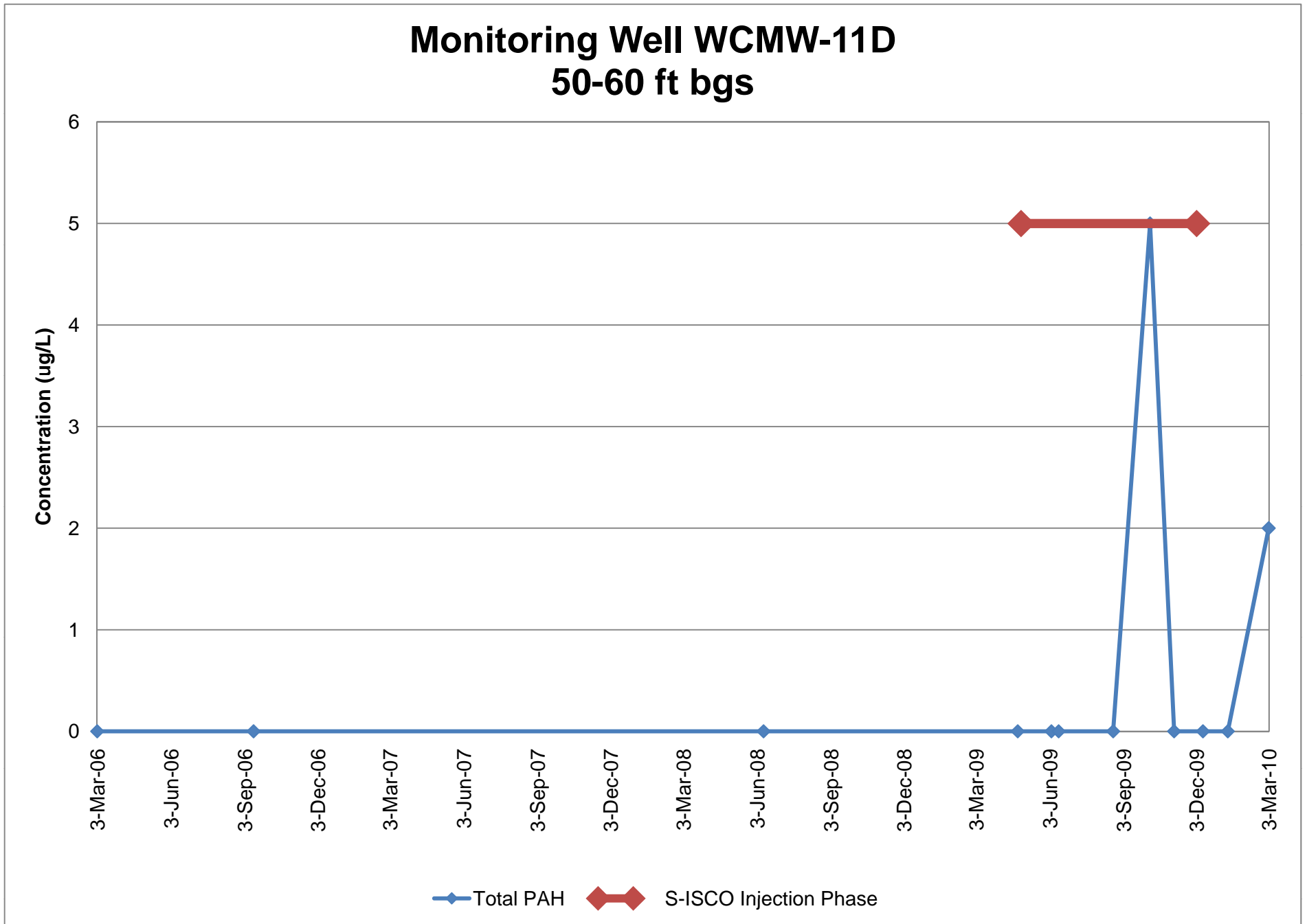
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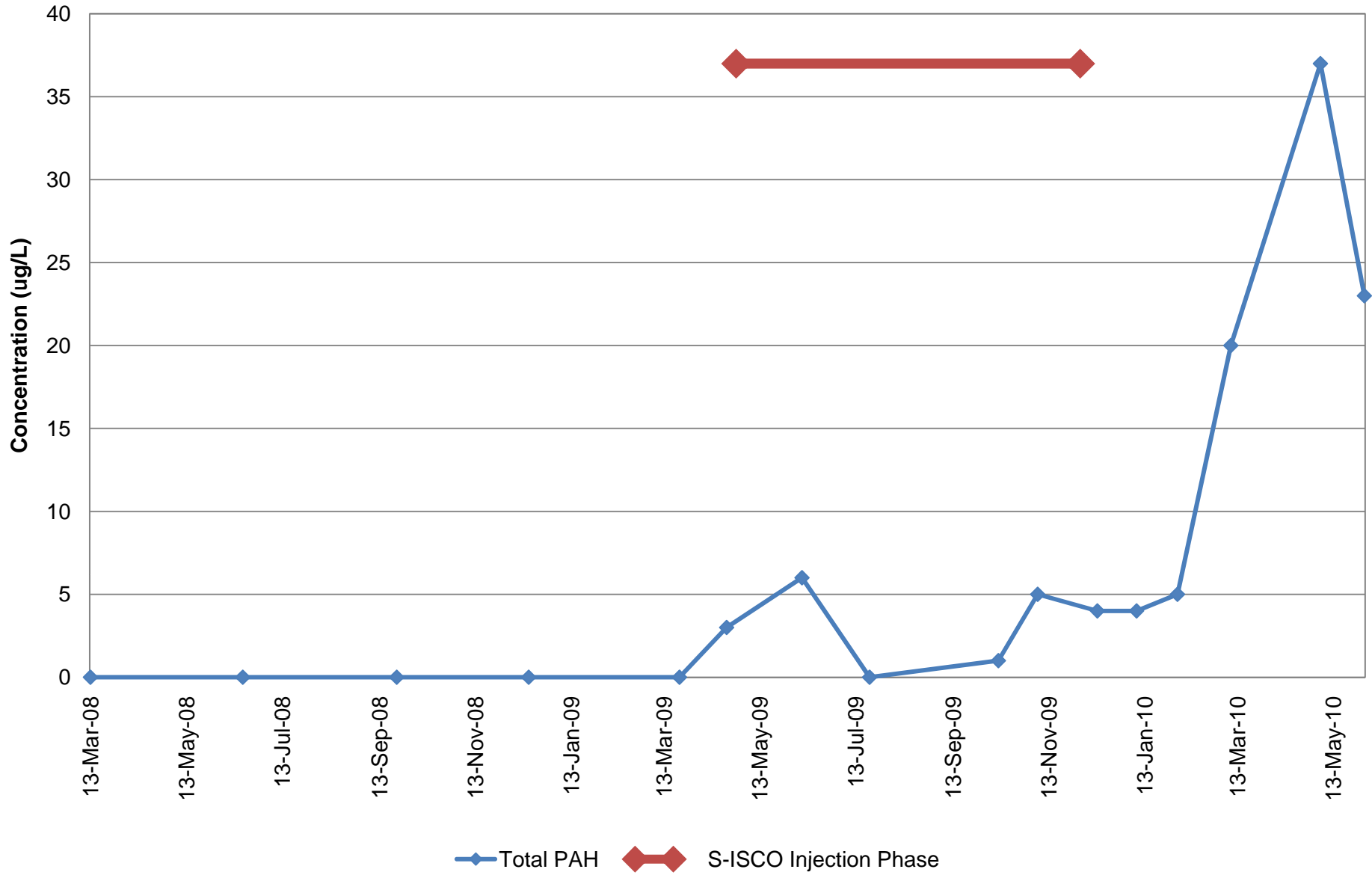
Monitoring Well WCMW-11S 5-15 ft bgs



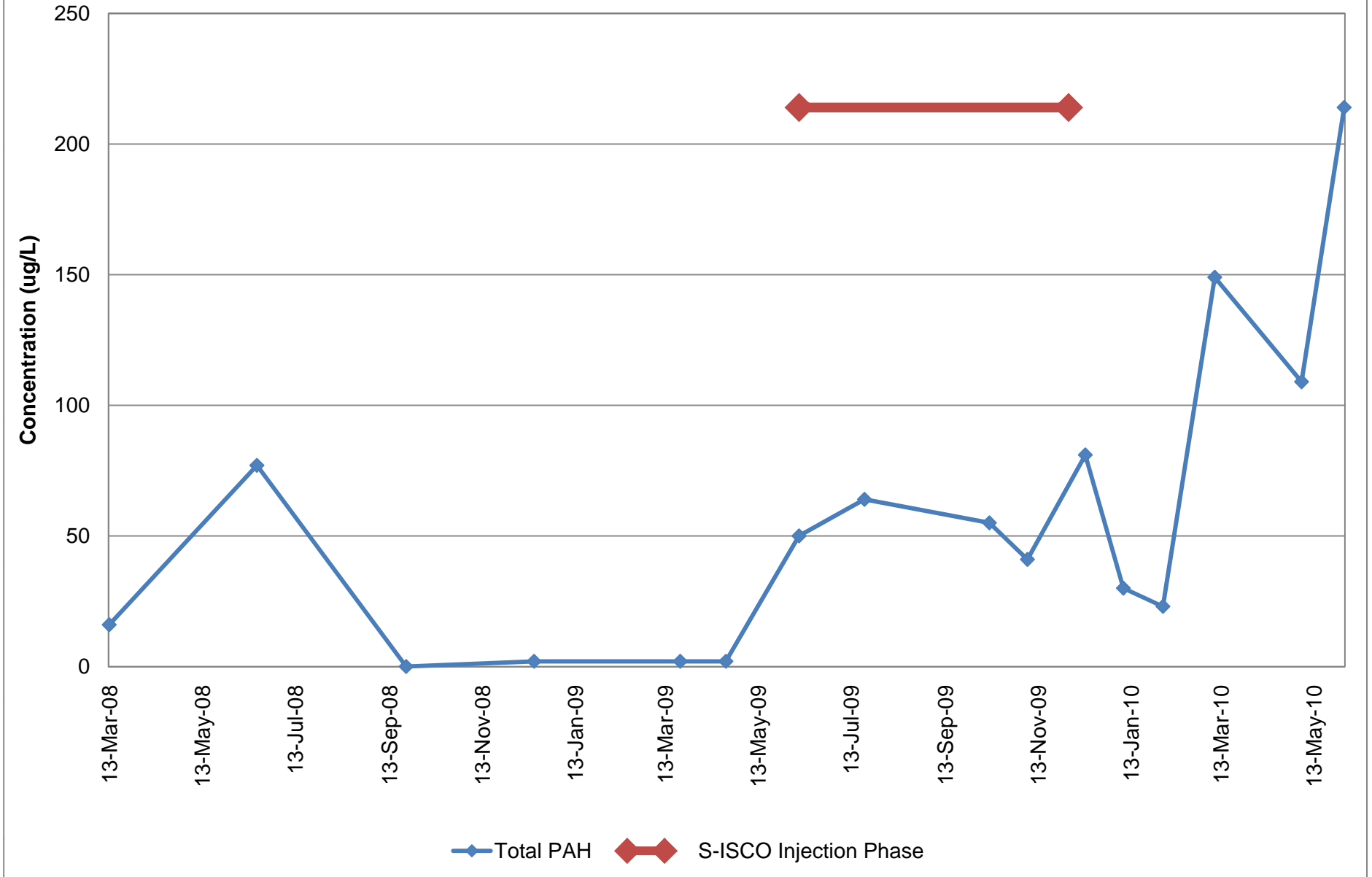




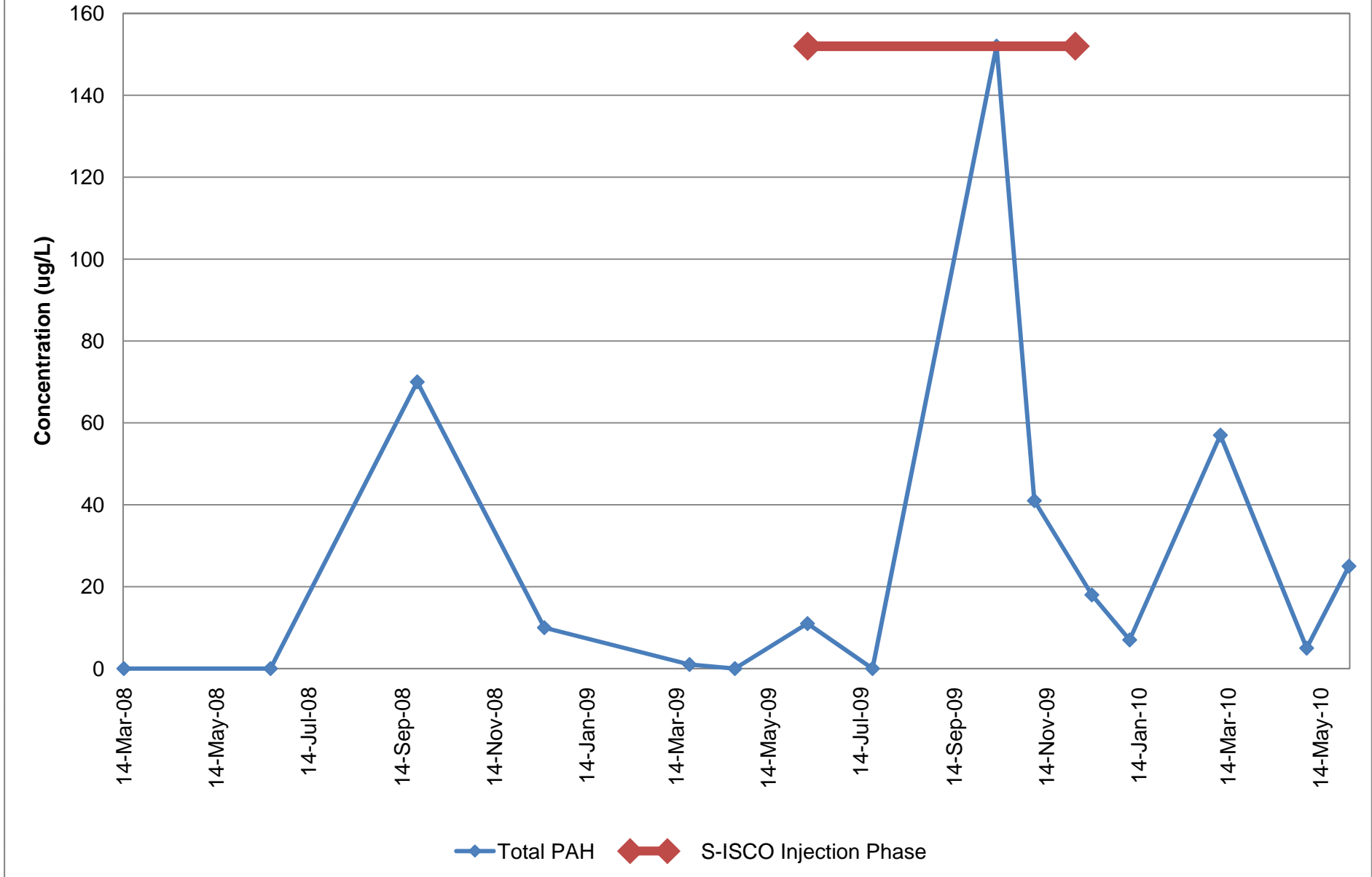
Monitoring Well WCMW-14S 2-12 ft bgs



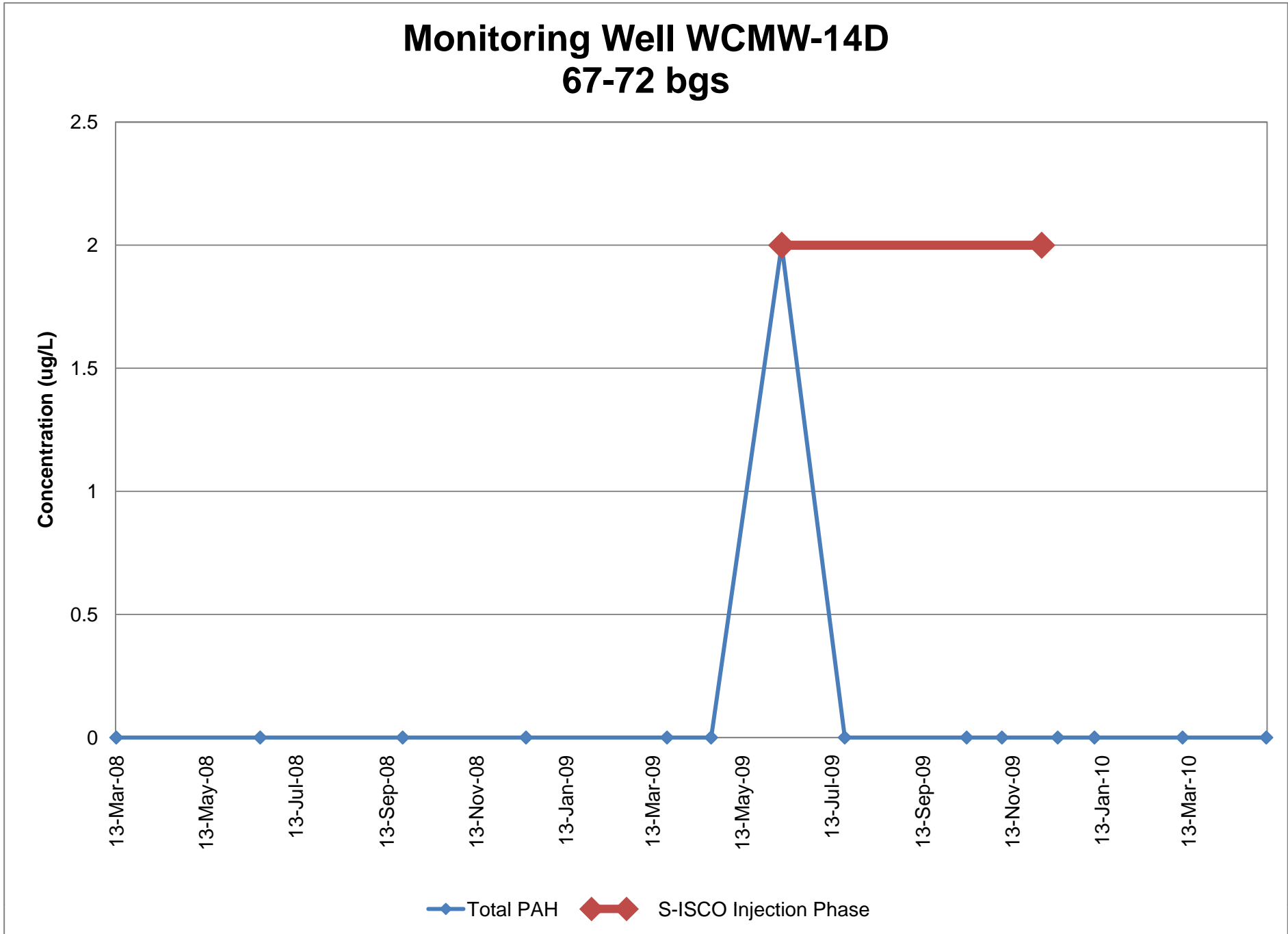
Monitoring Well WCMW-14I 20-25 ft bgs



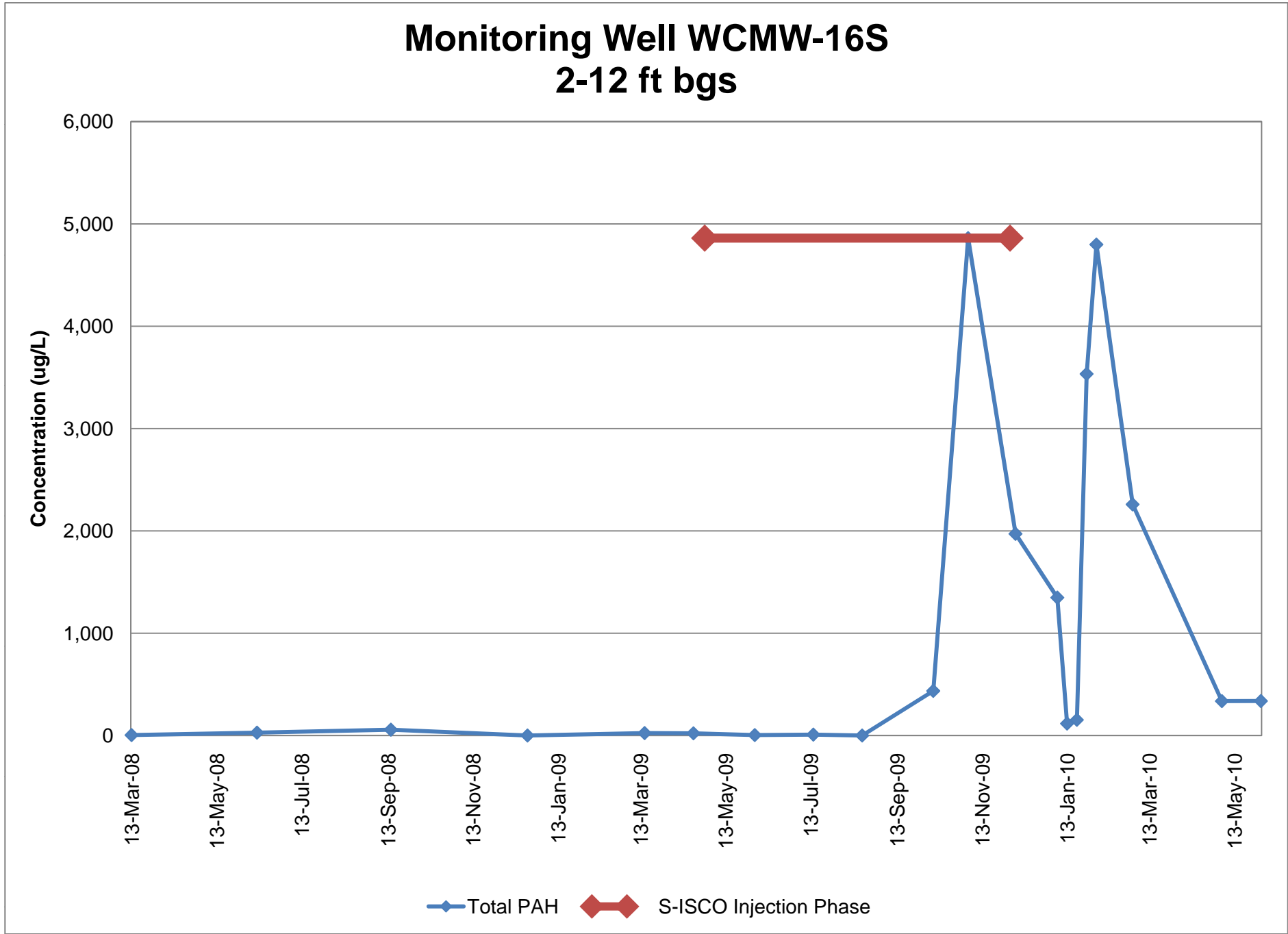
Monitoring Well WCMW-14I2 30-35 ft bgs



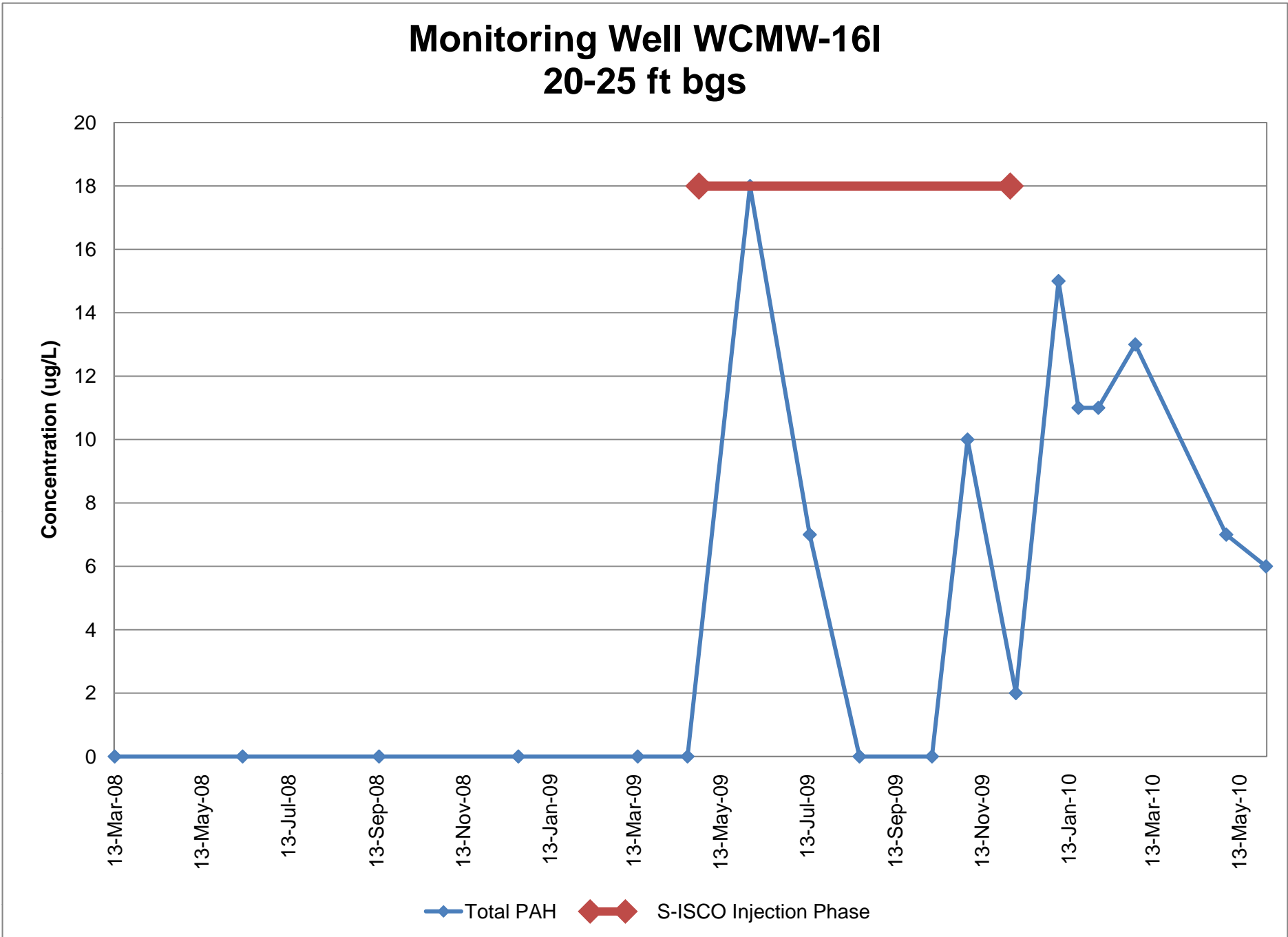
Monitoring Well WCMW-14D 67-72 bgs



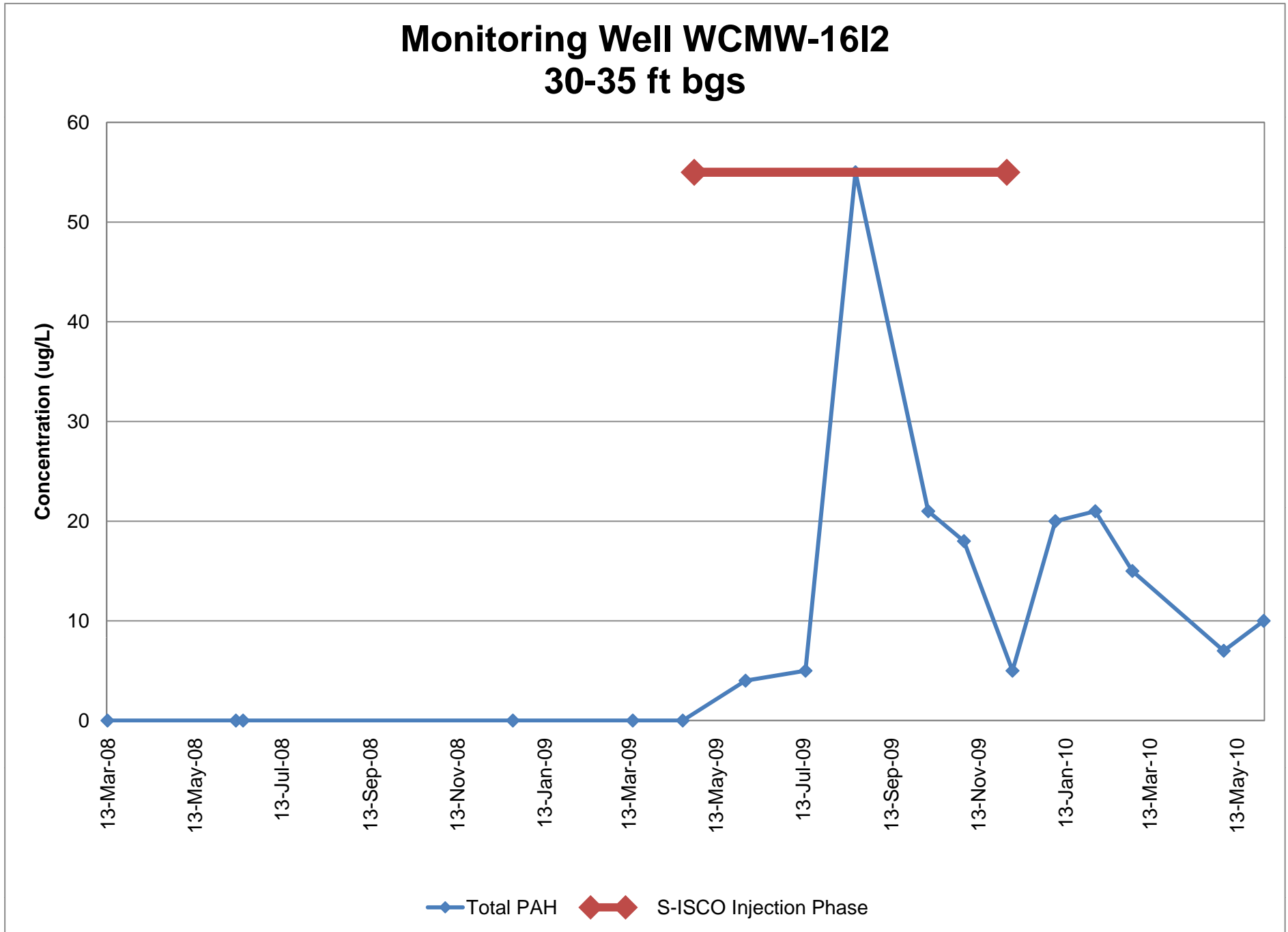
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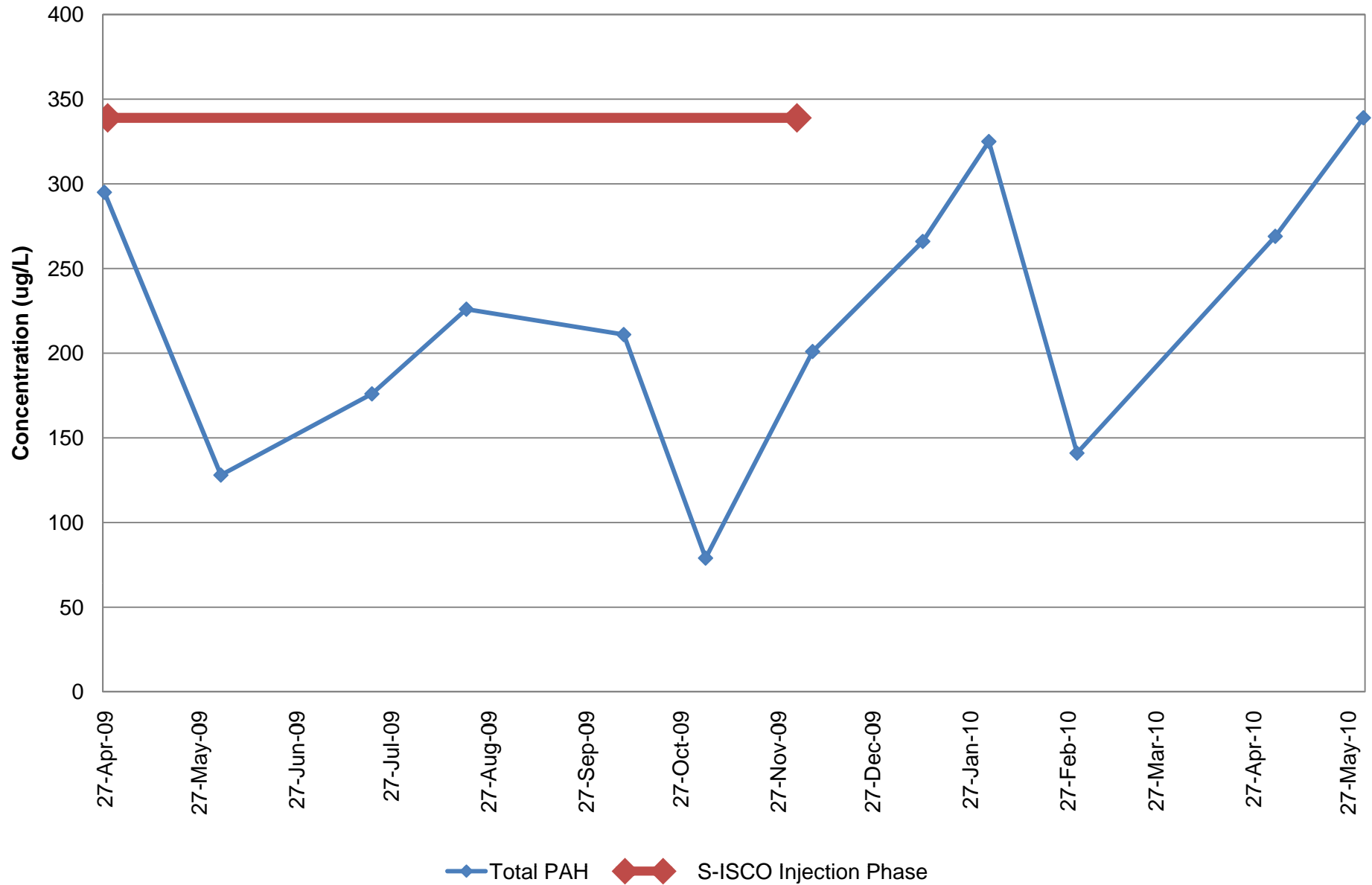
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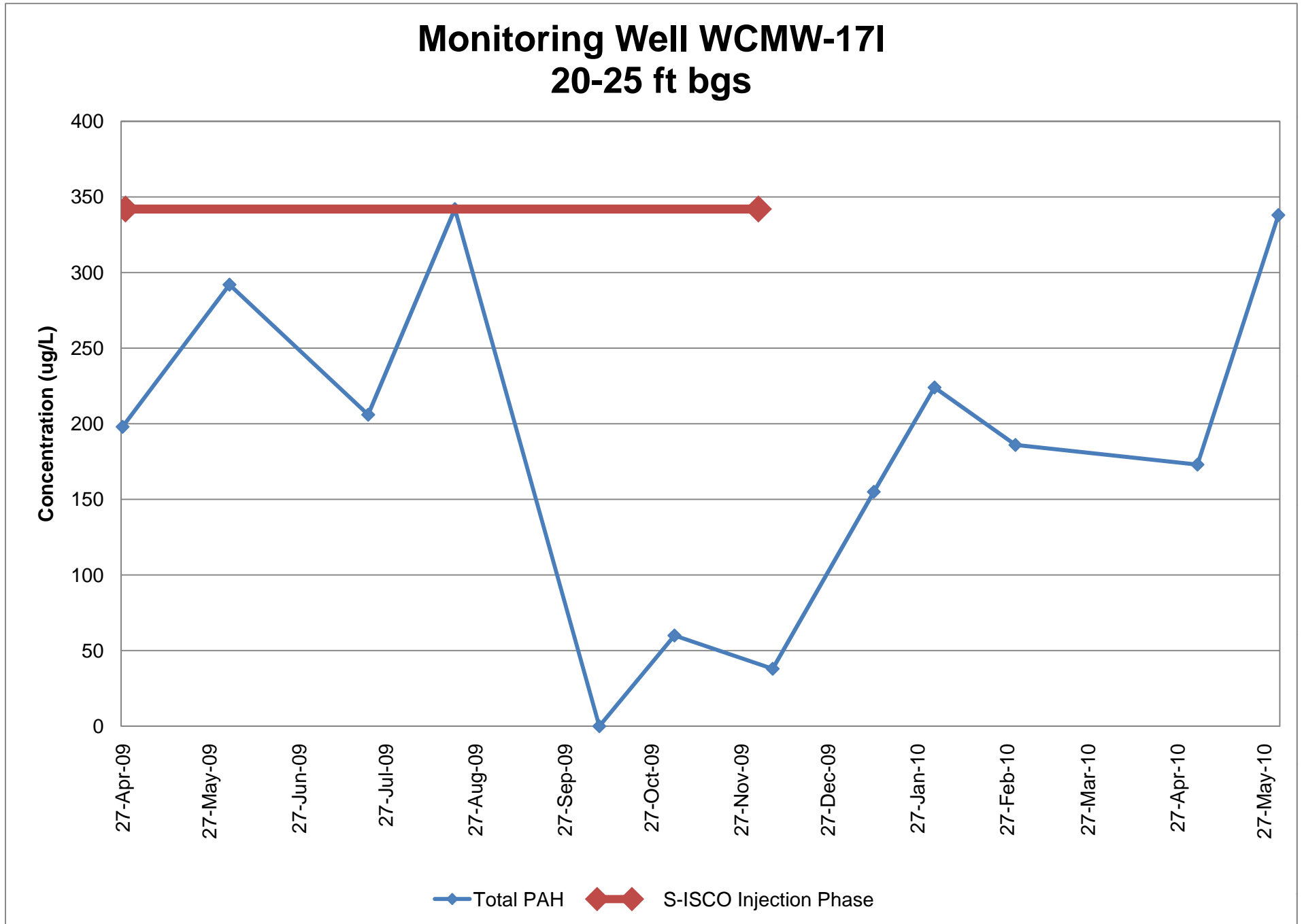


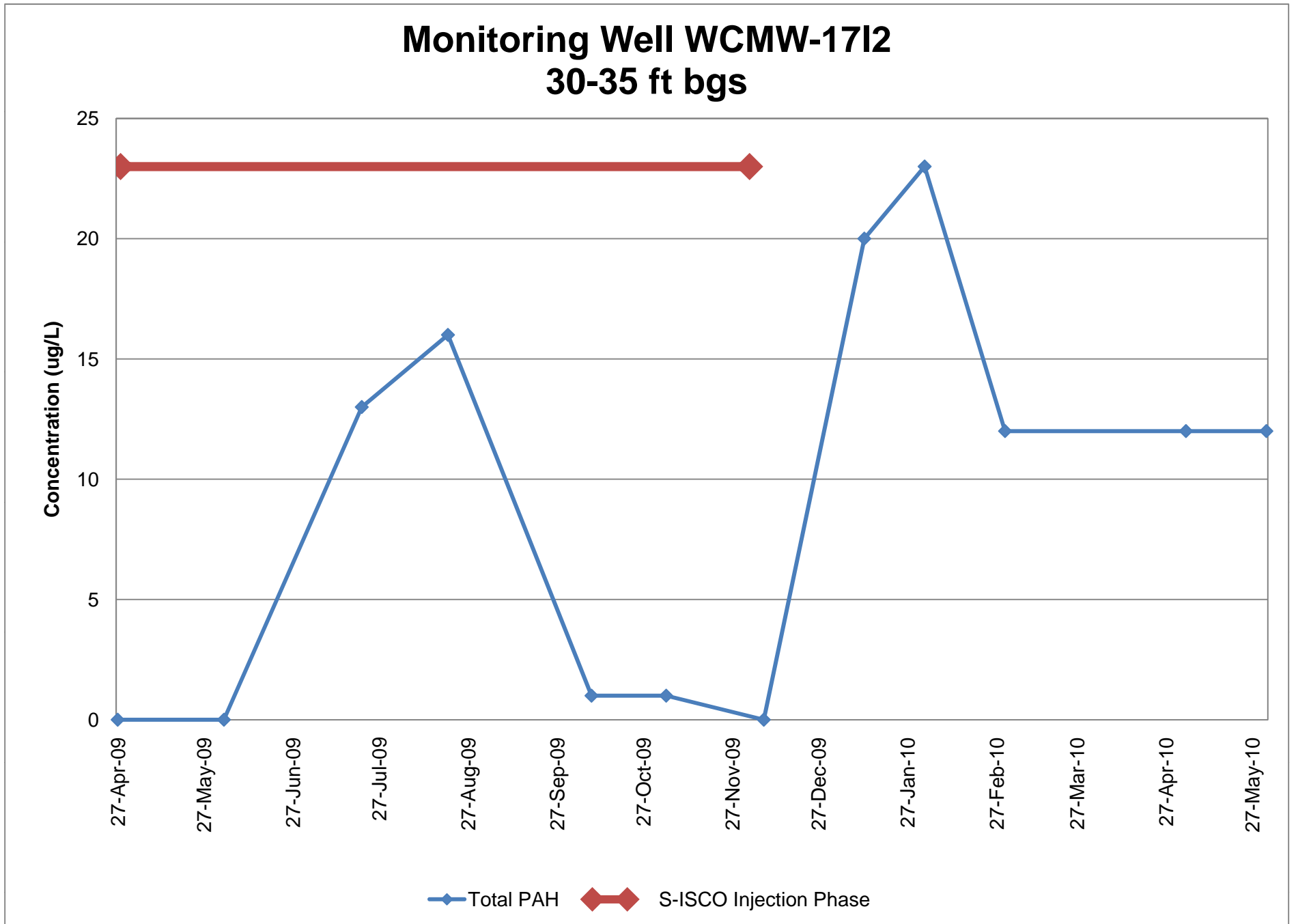
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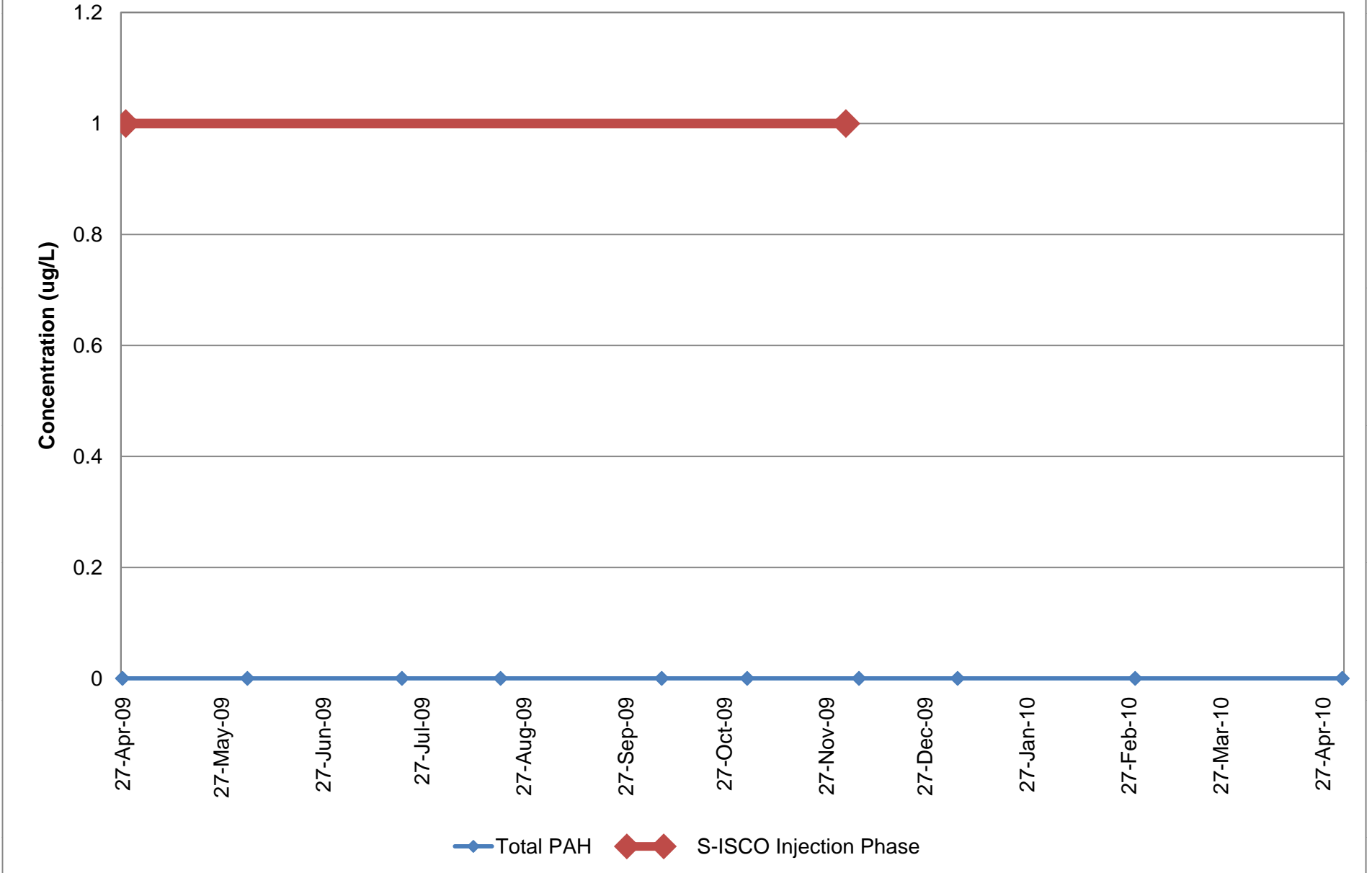
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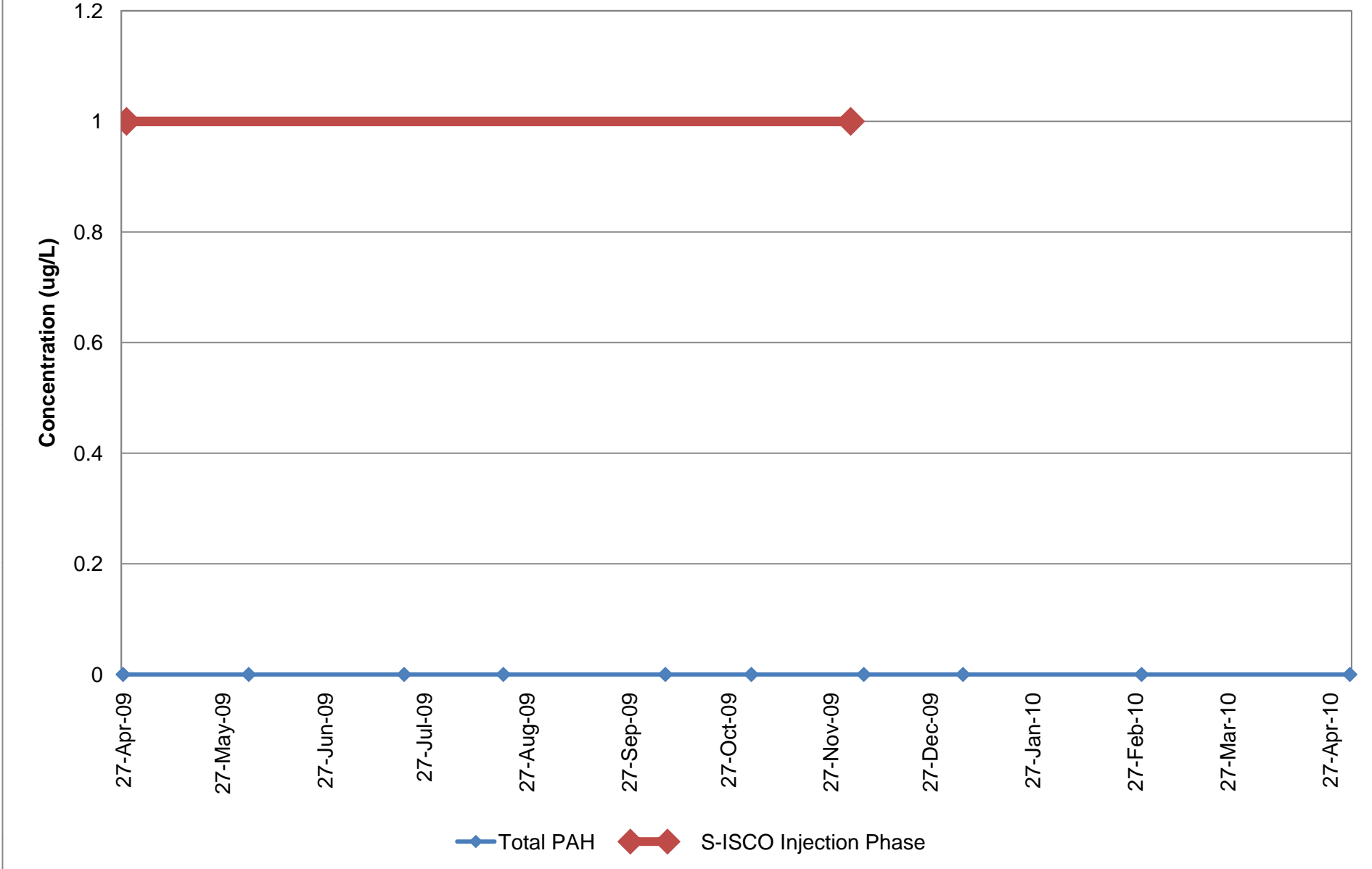




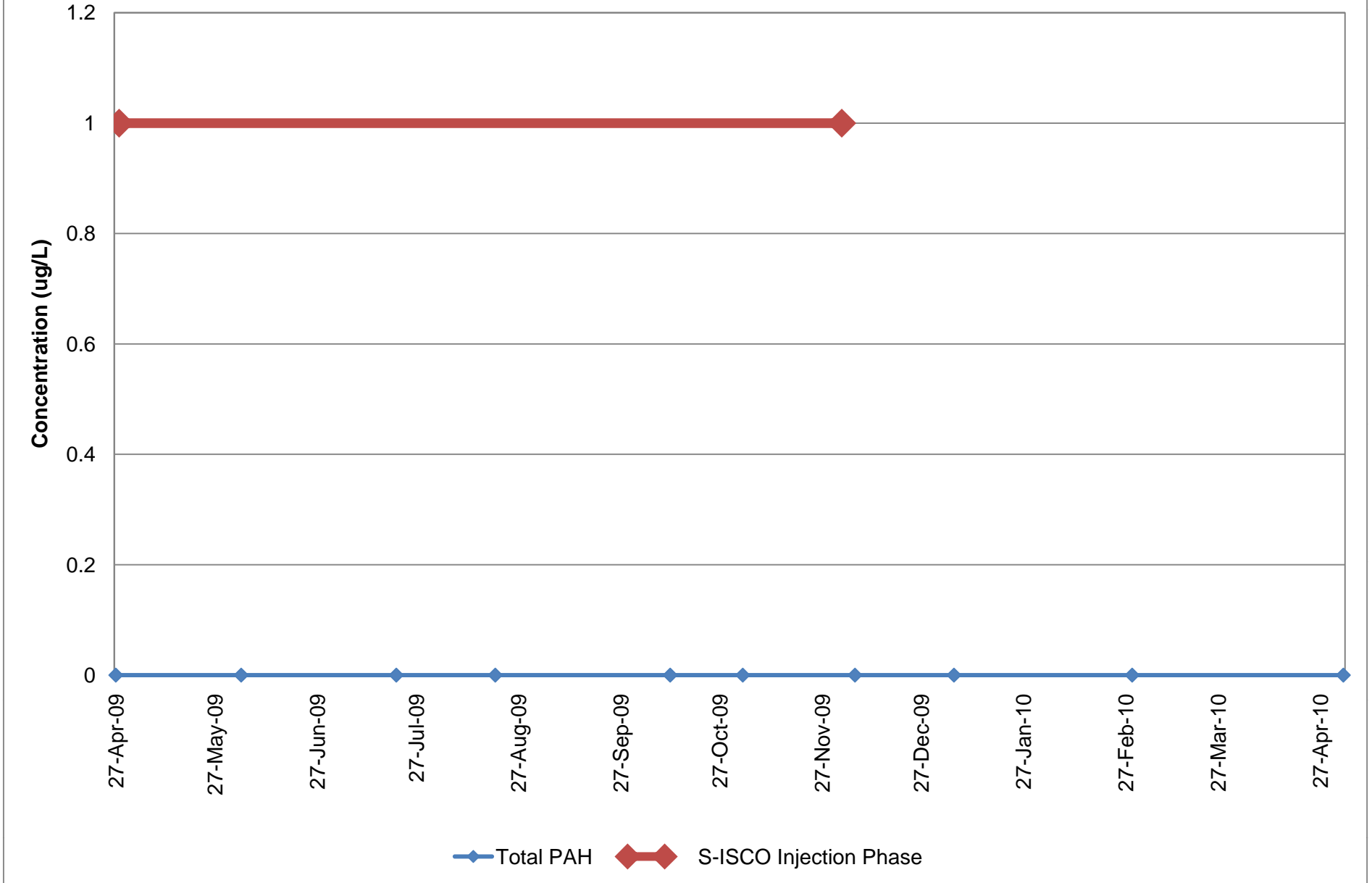
Monitoring Well WCMW-18WT 2-7 ft bgs



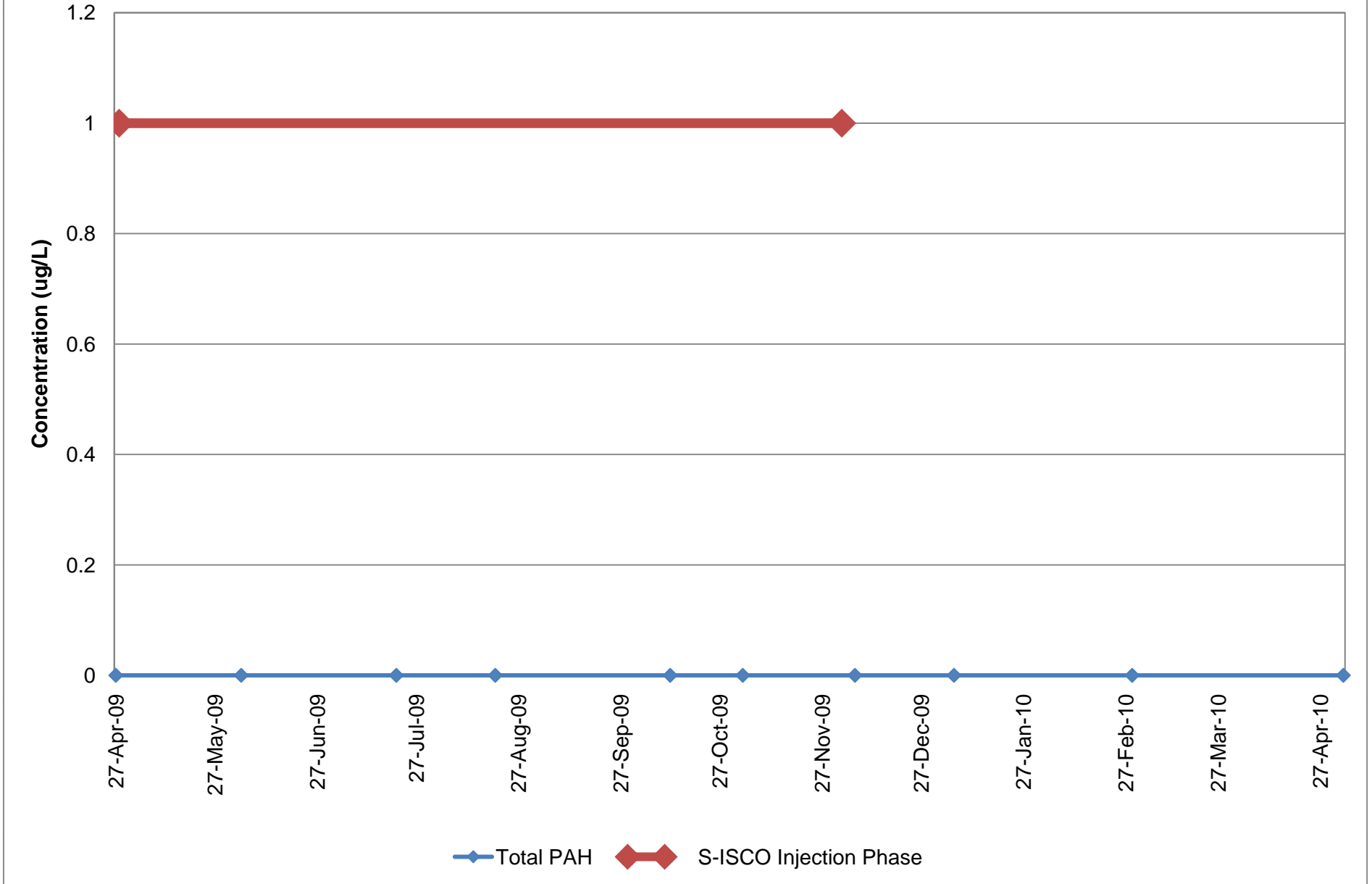
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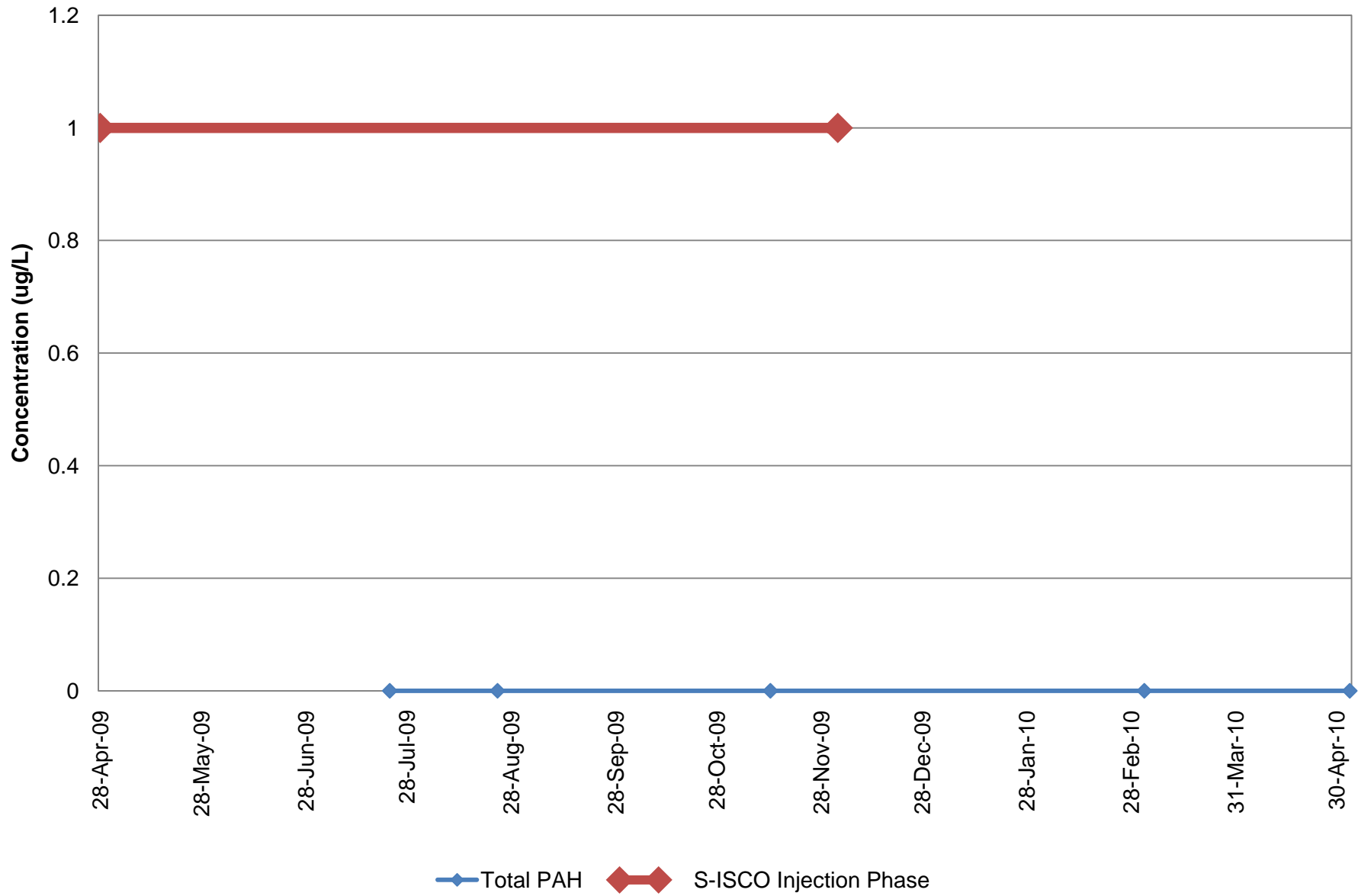
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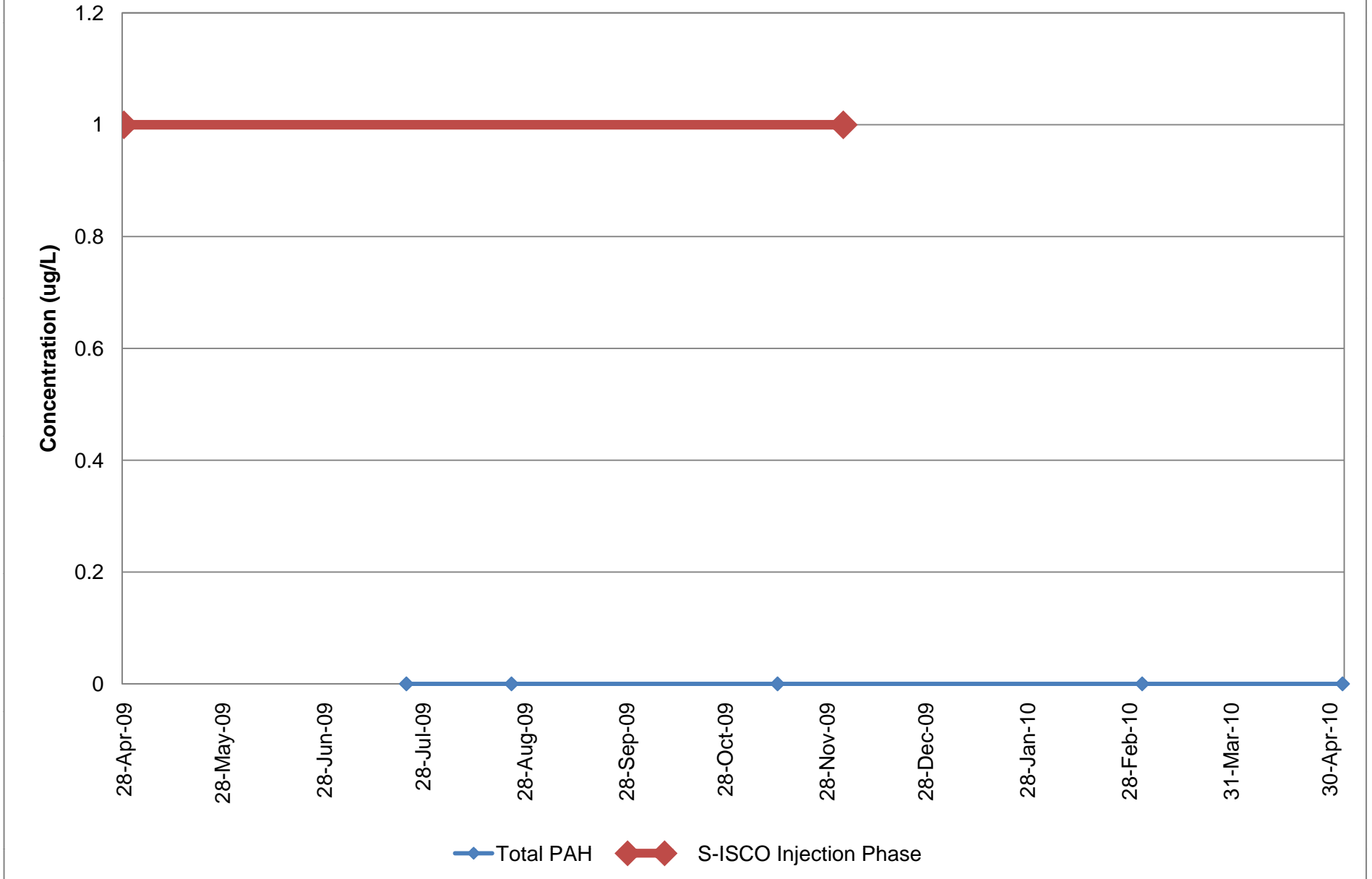
Monitoring Well WCMW-1812 30-35 ft bgs



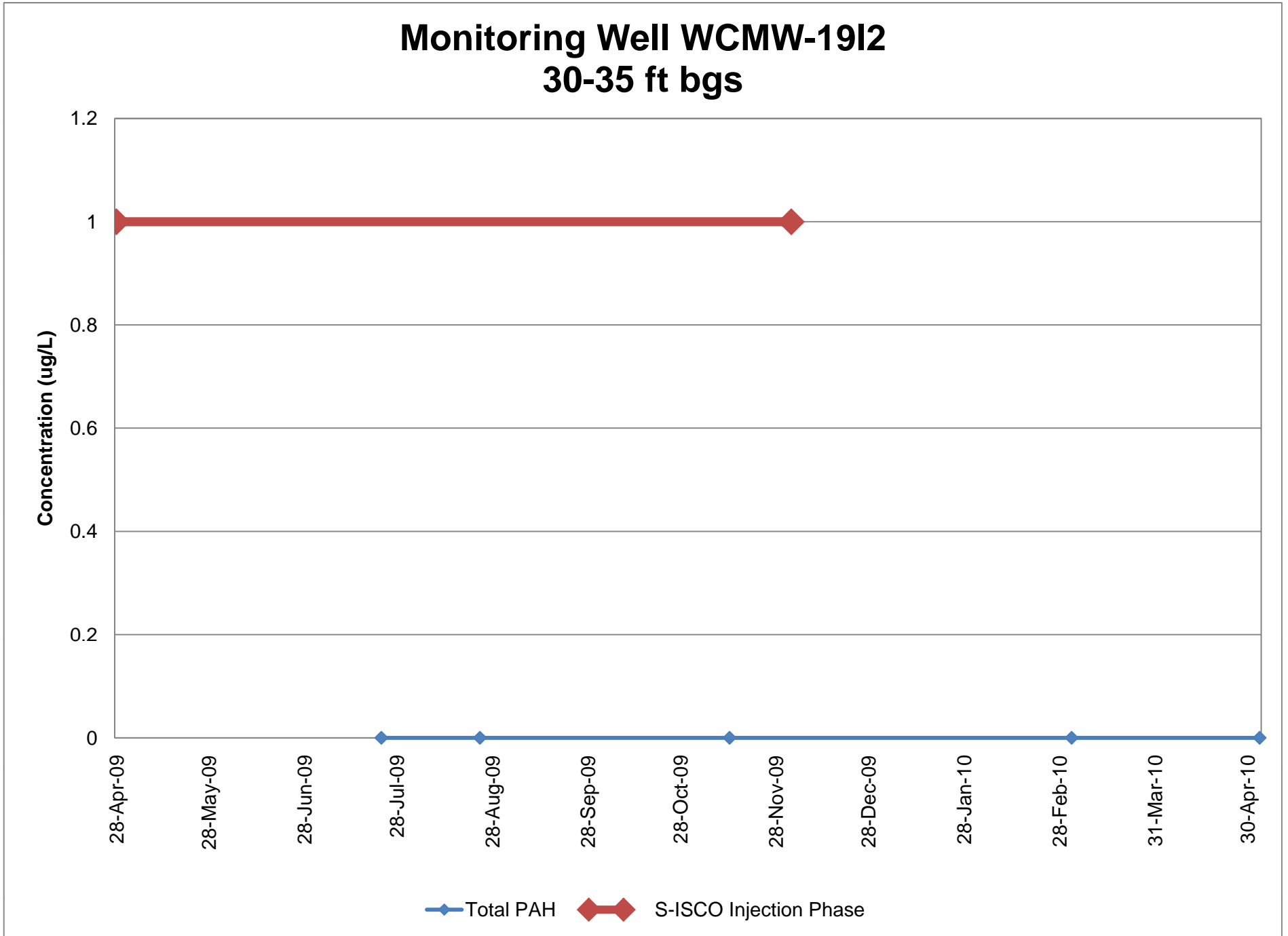
Monitoring Well WCMW-19S 2-12 ft bgs



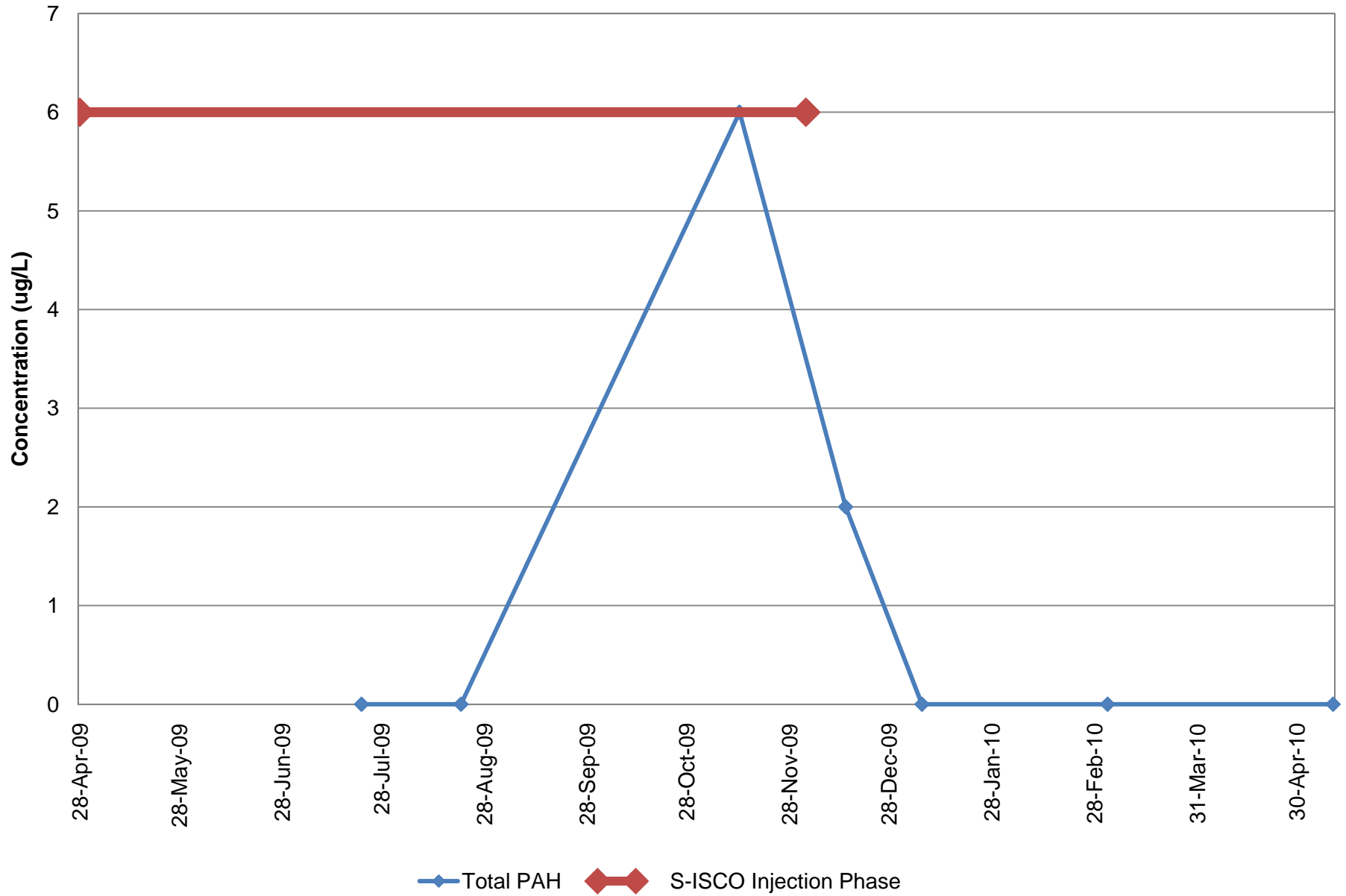
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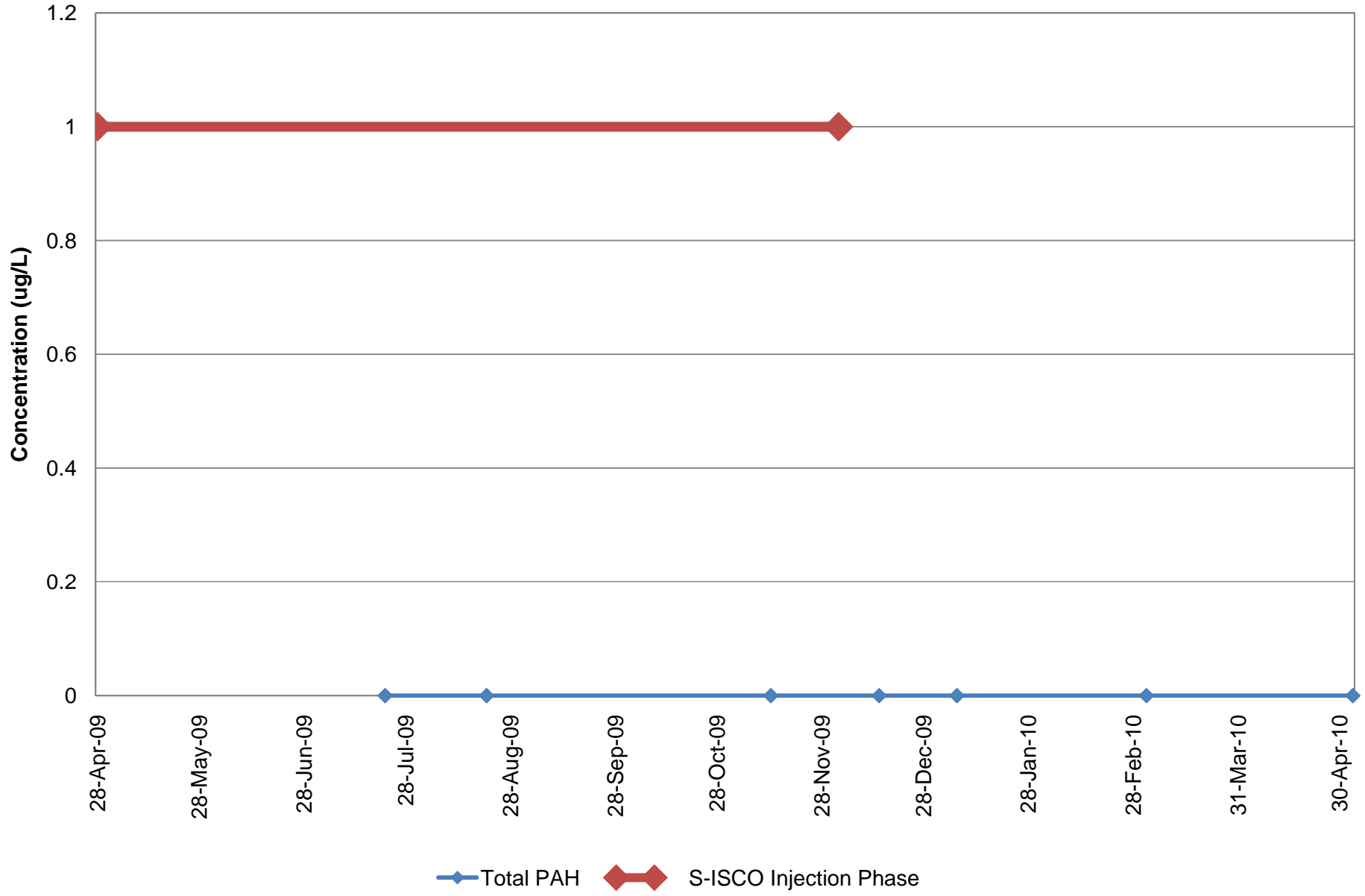
Monitoring Well WCMW-19I2 30-35 ft bgs



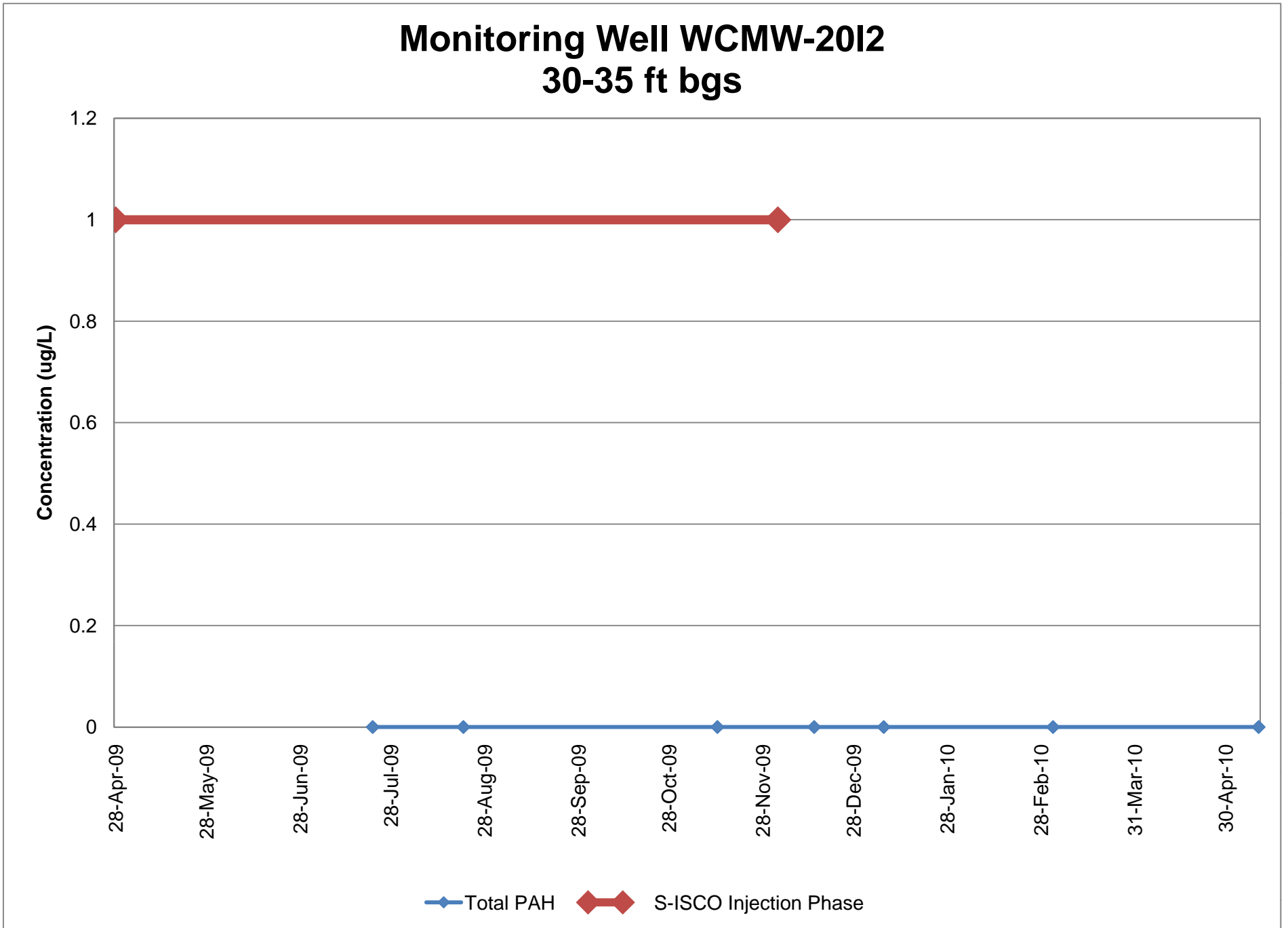
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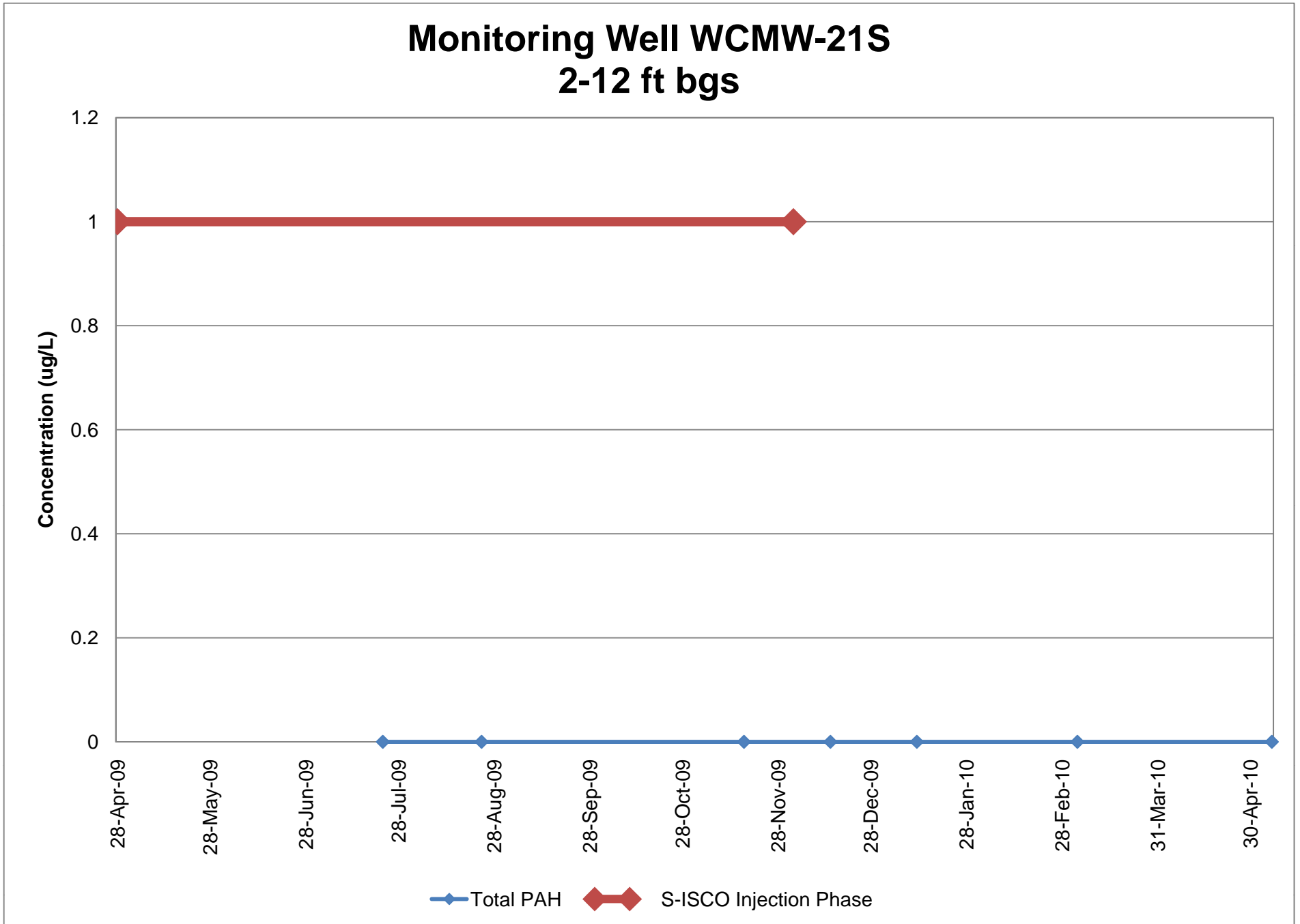


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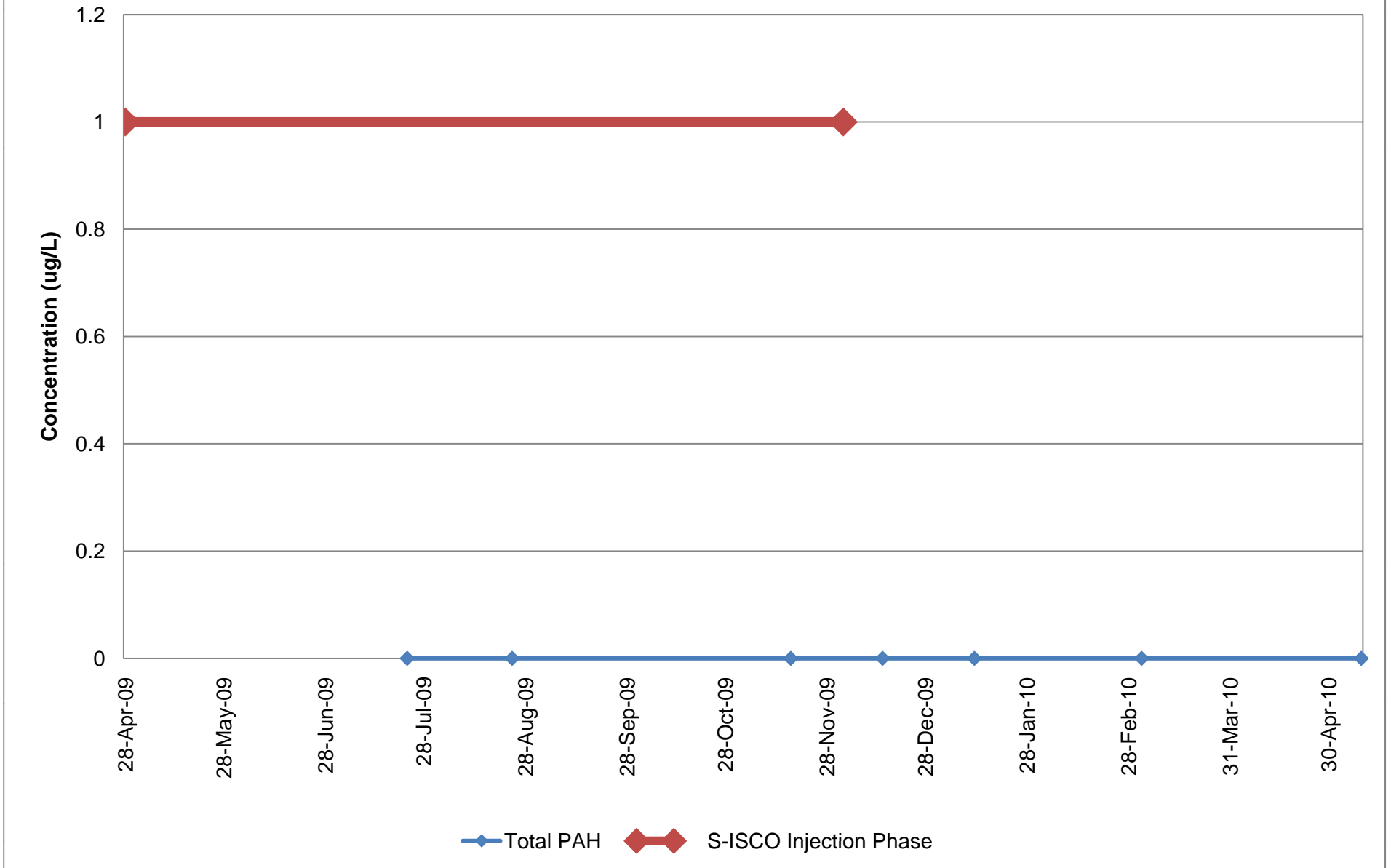


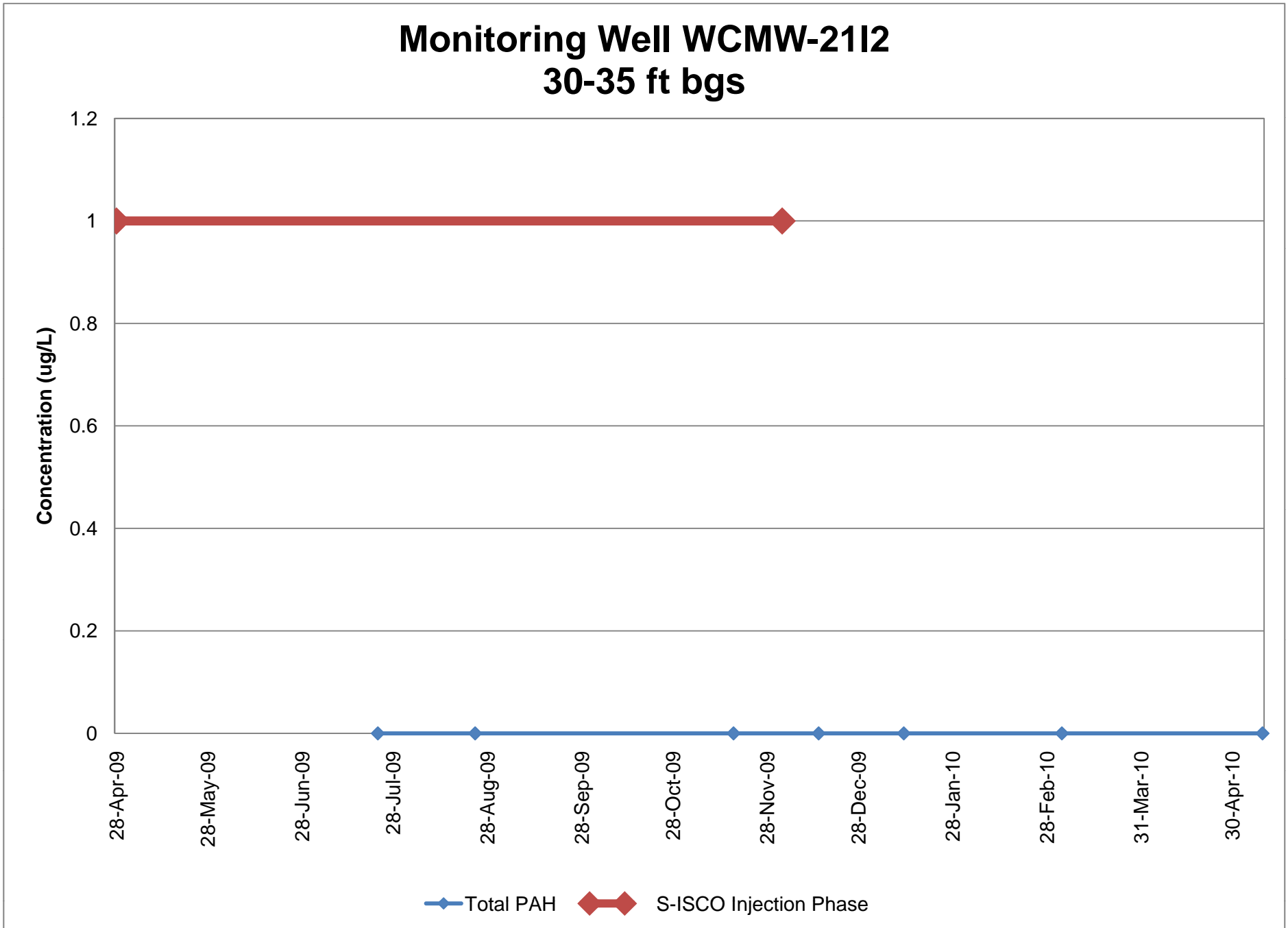
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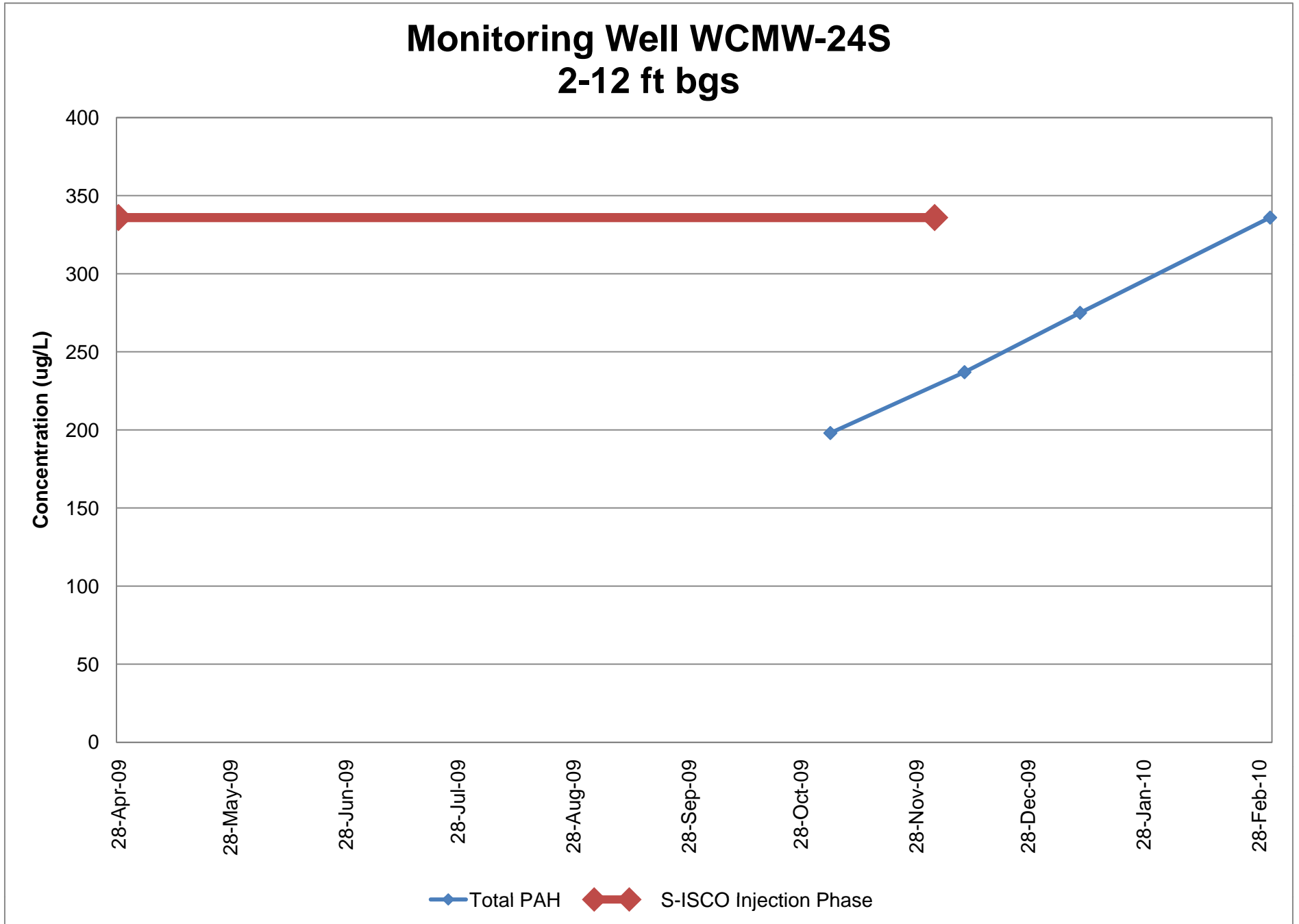




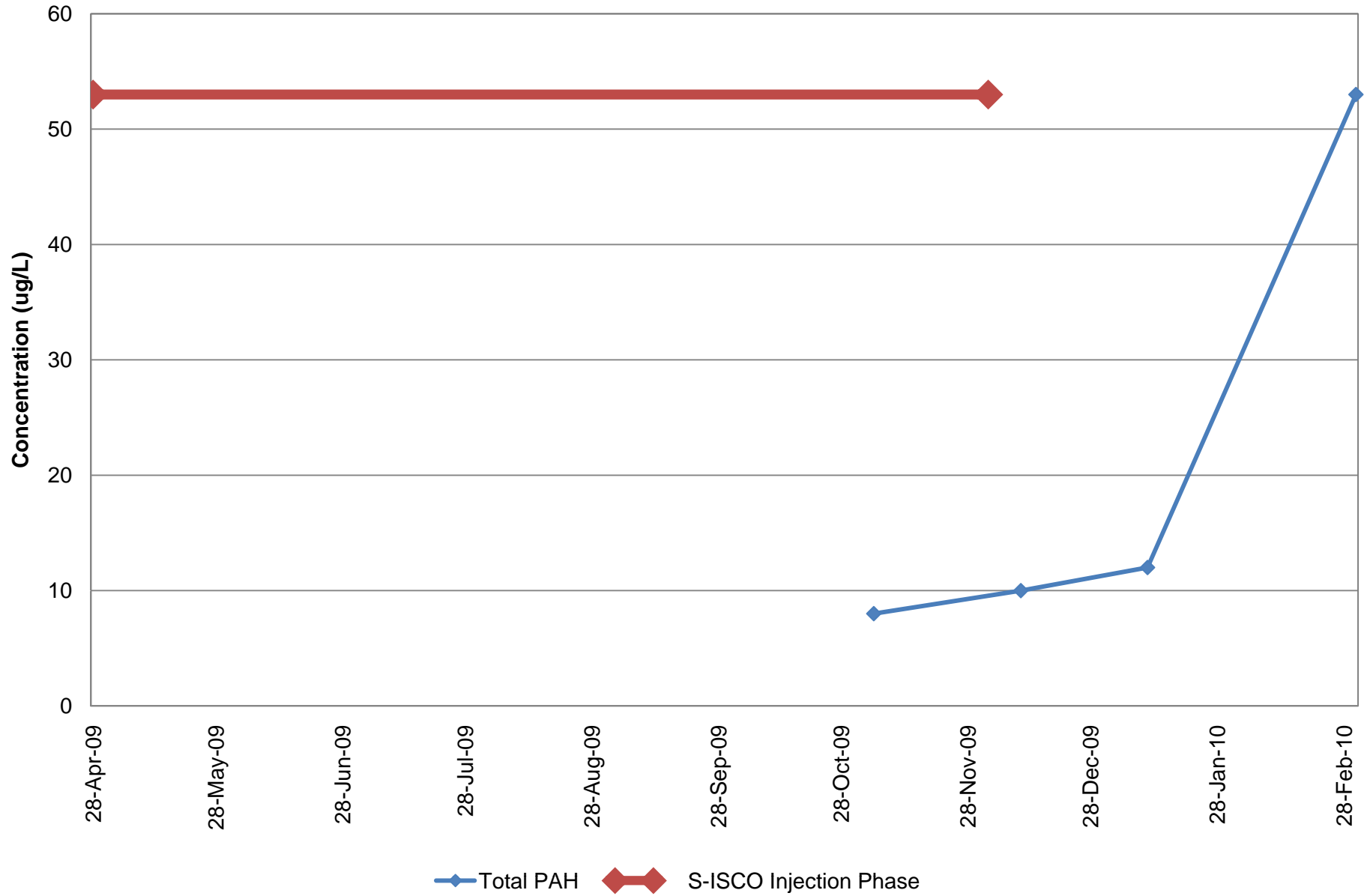
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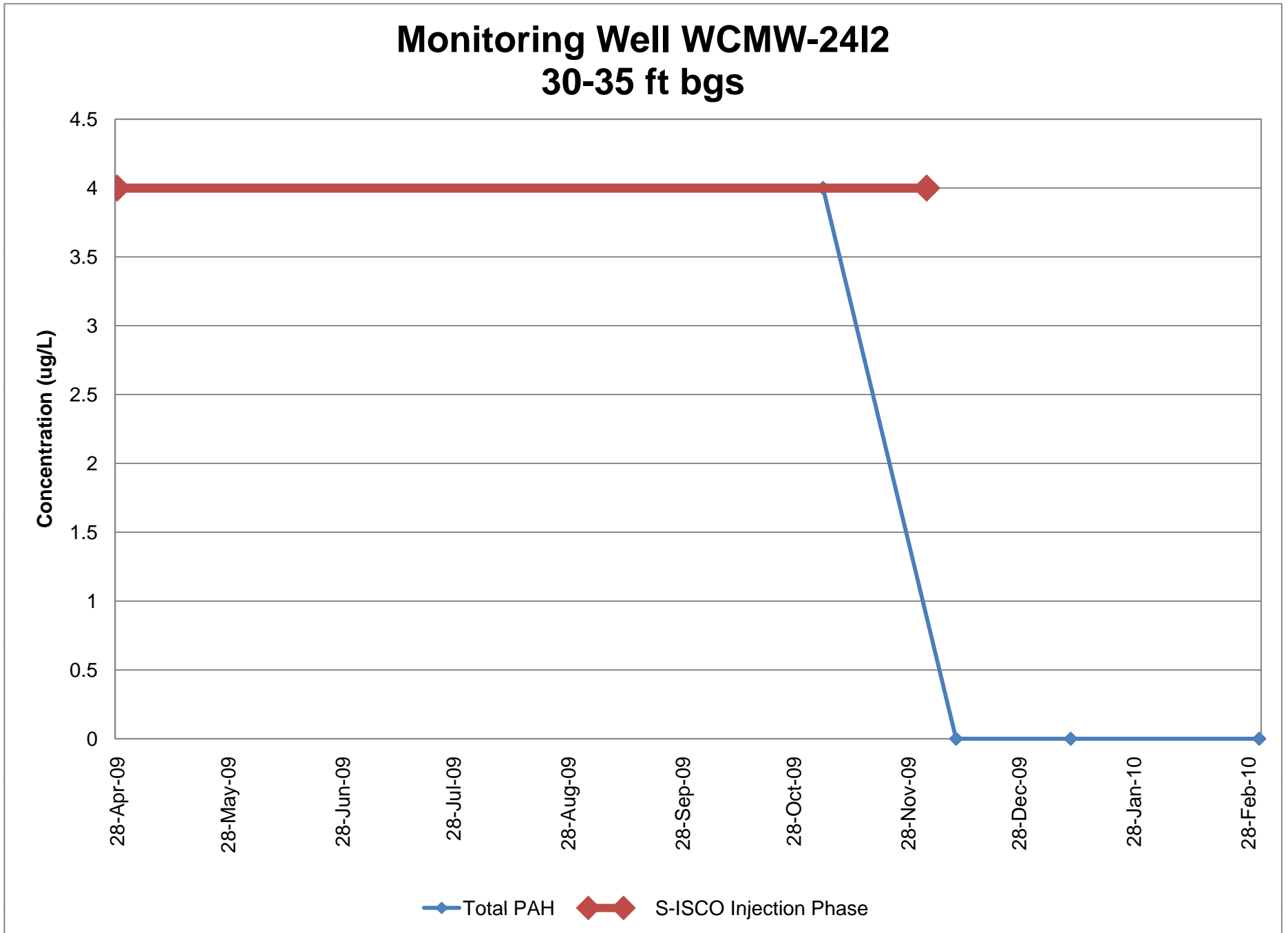




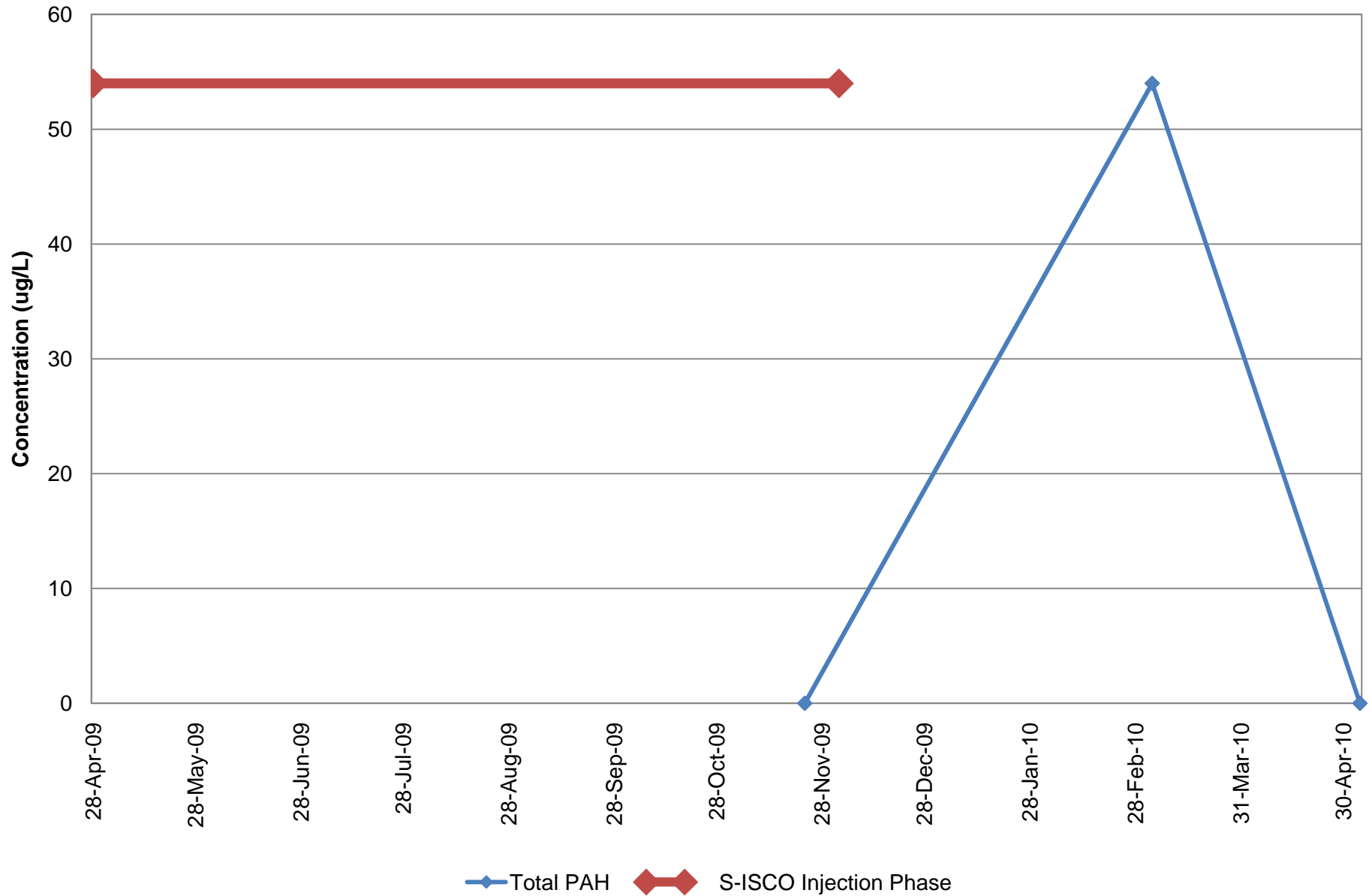
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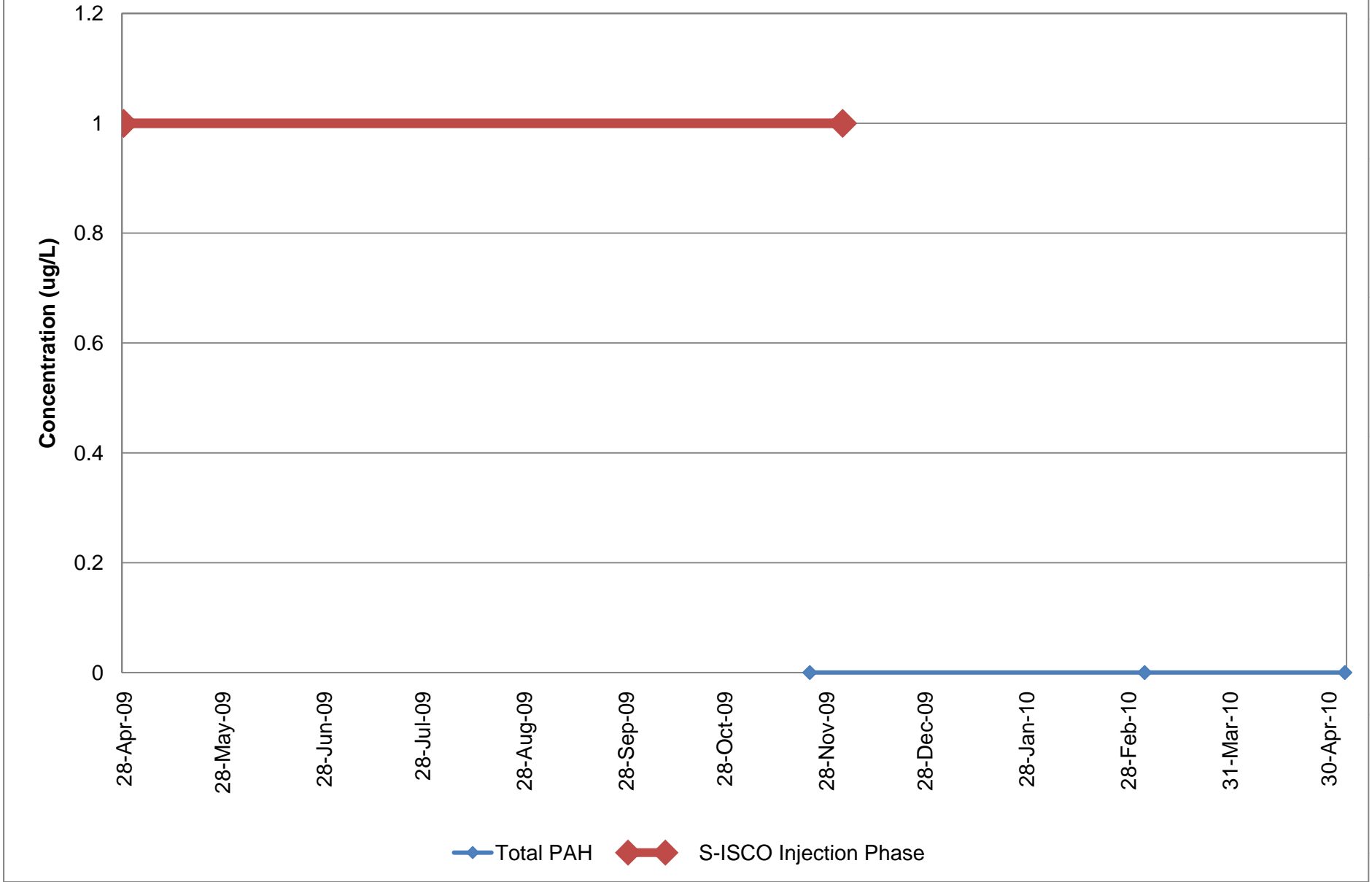
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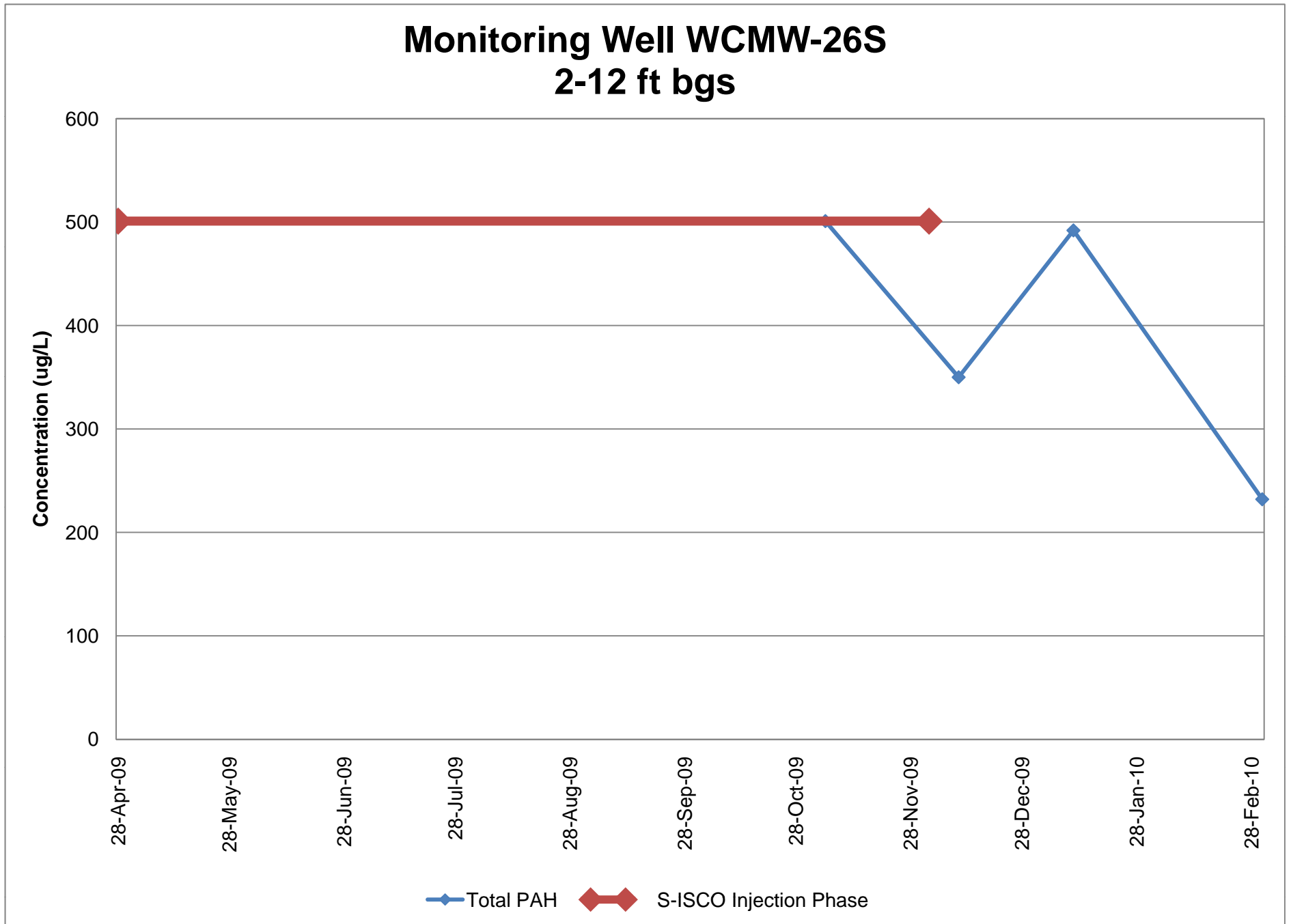


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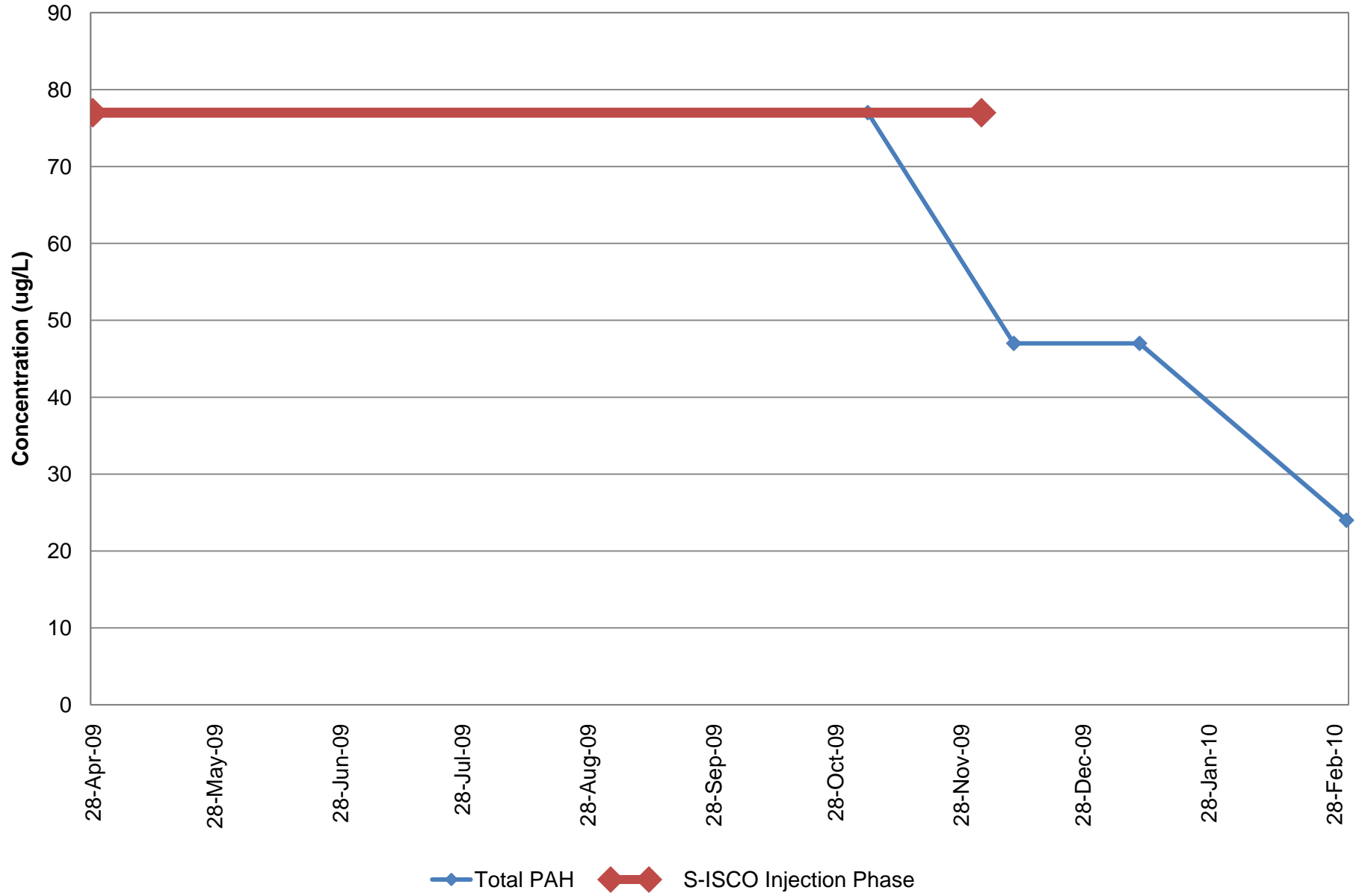


Monitoring Well WCMW-25D 55-60 ft bgs

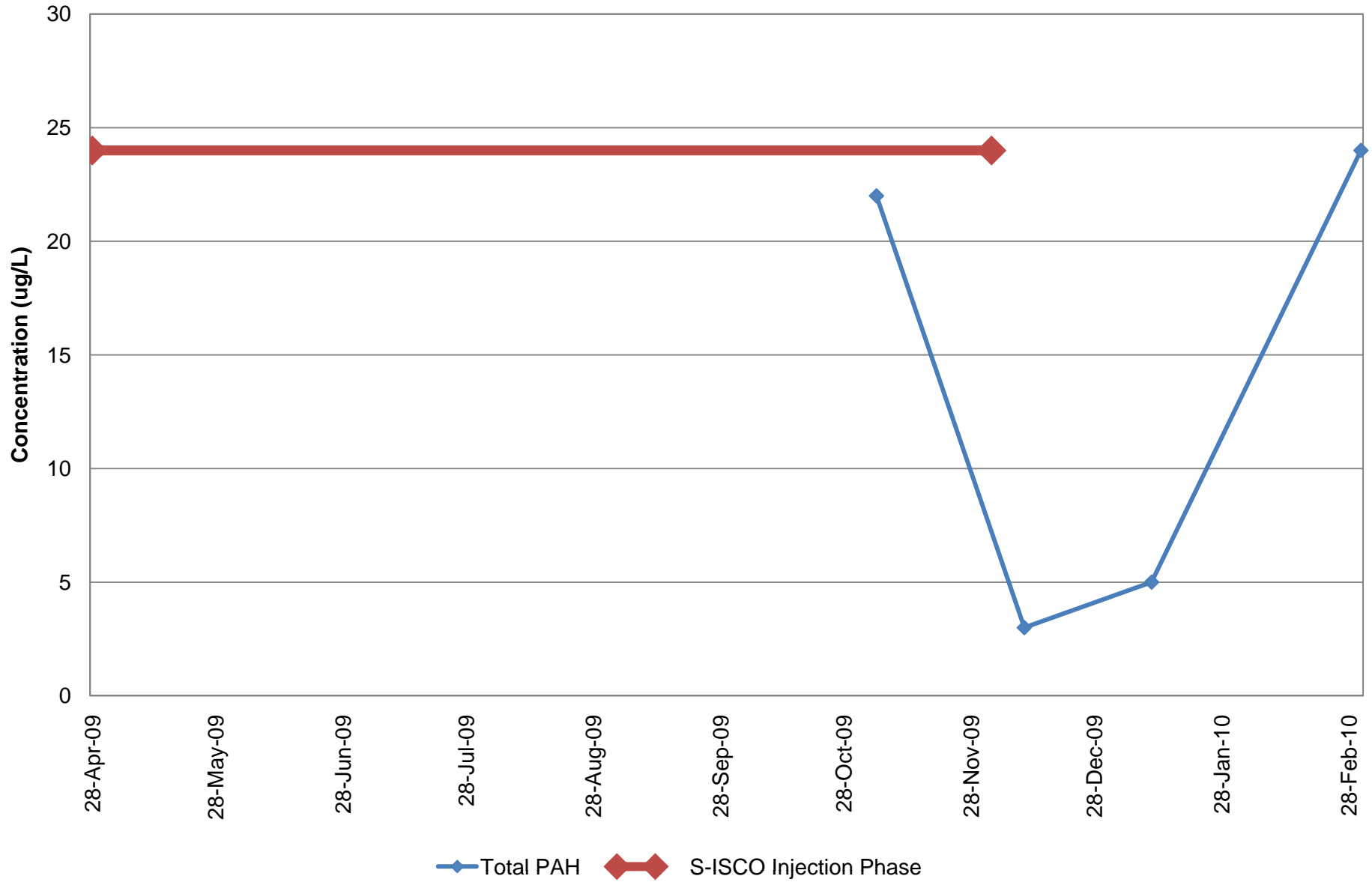




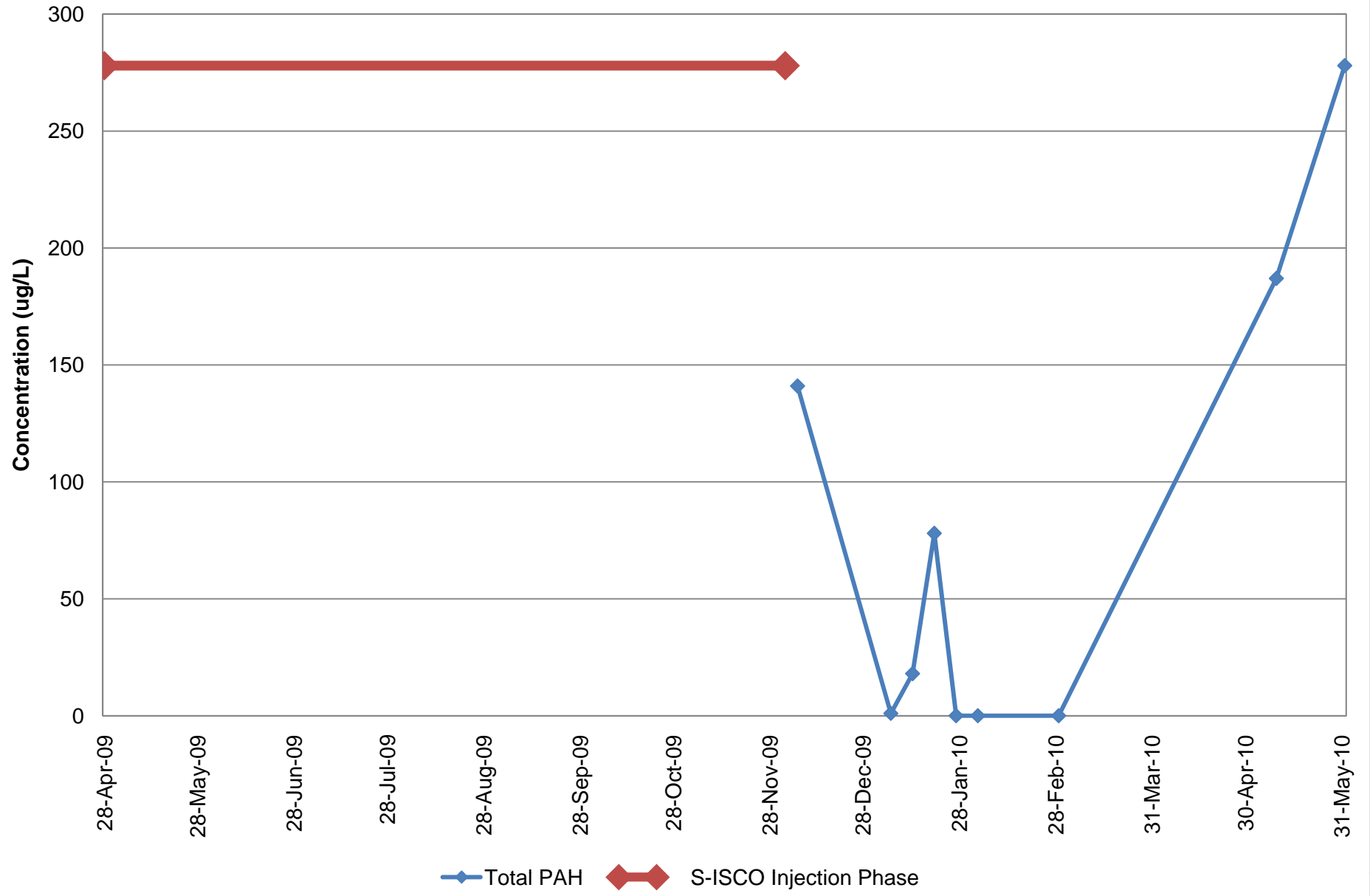
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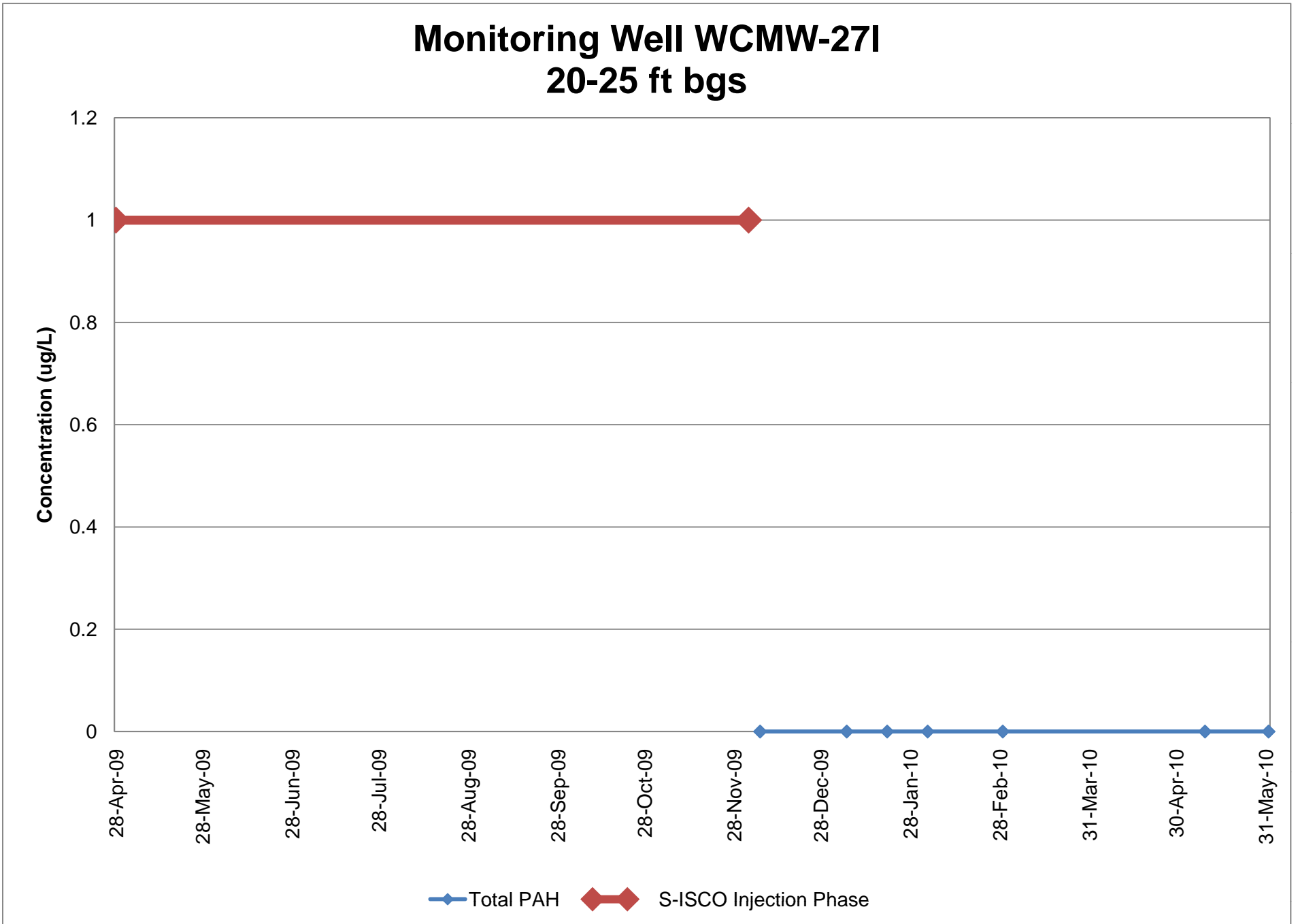
Monitoring Well WCMW-26I2 30-35 ft bgs



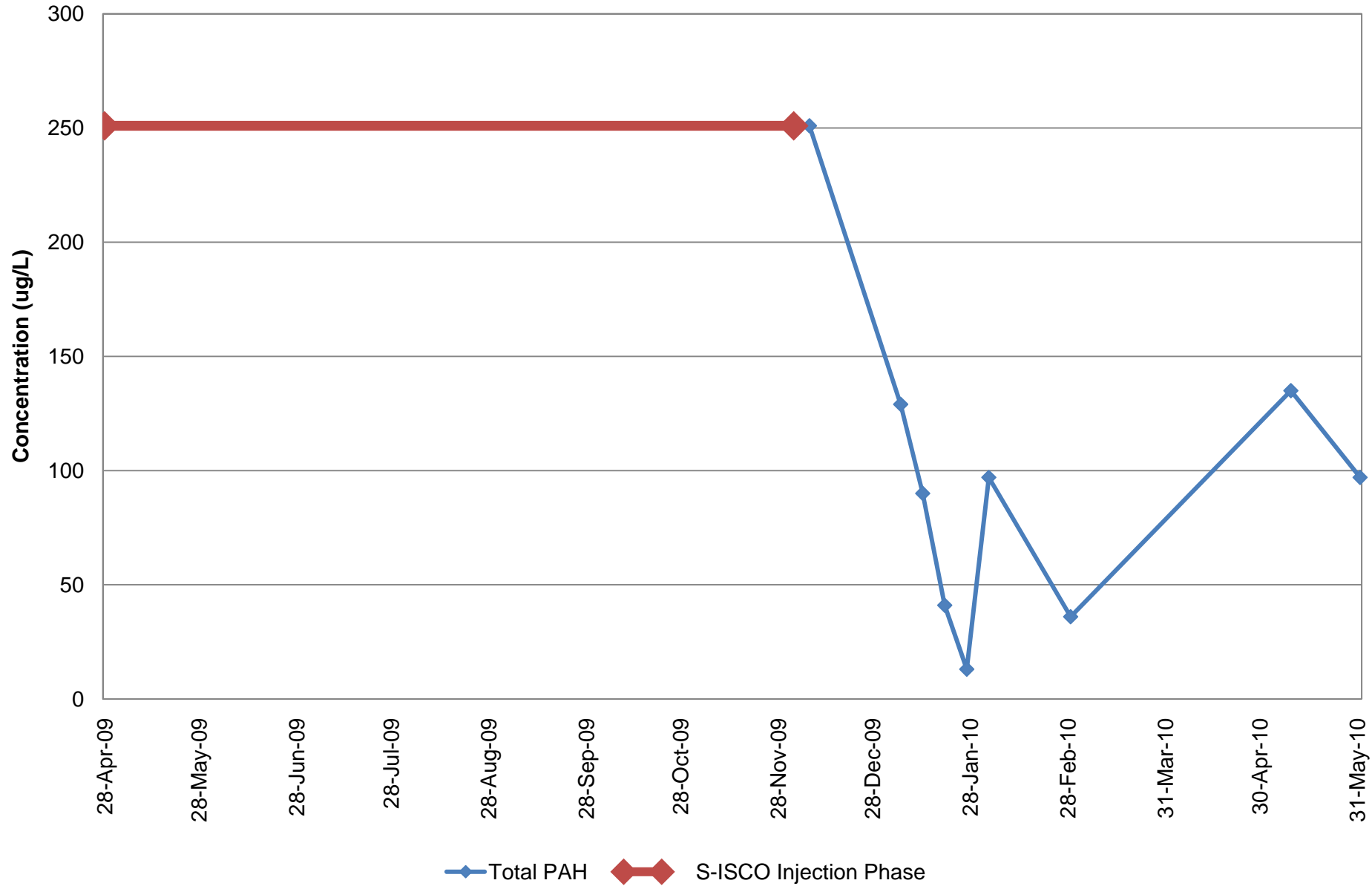
Monitoring Well WCMW-27S 2-12 ft bgs



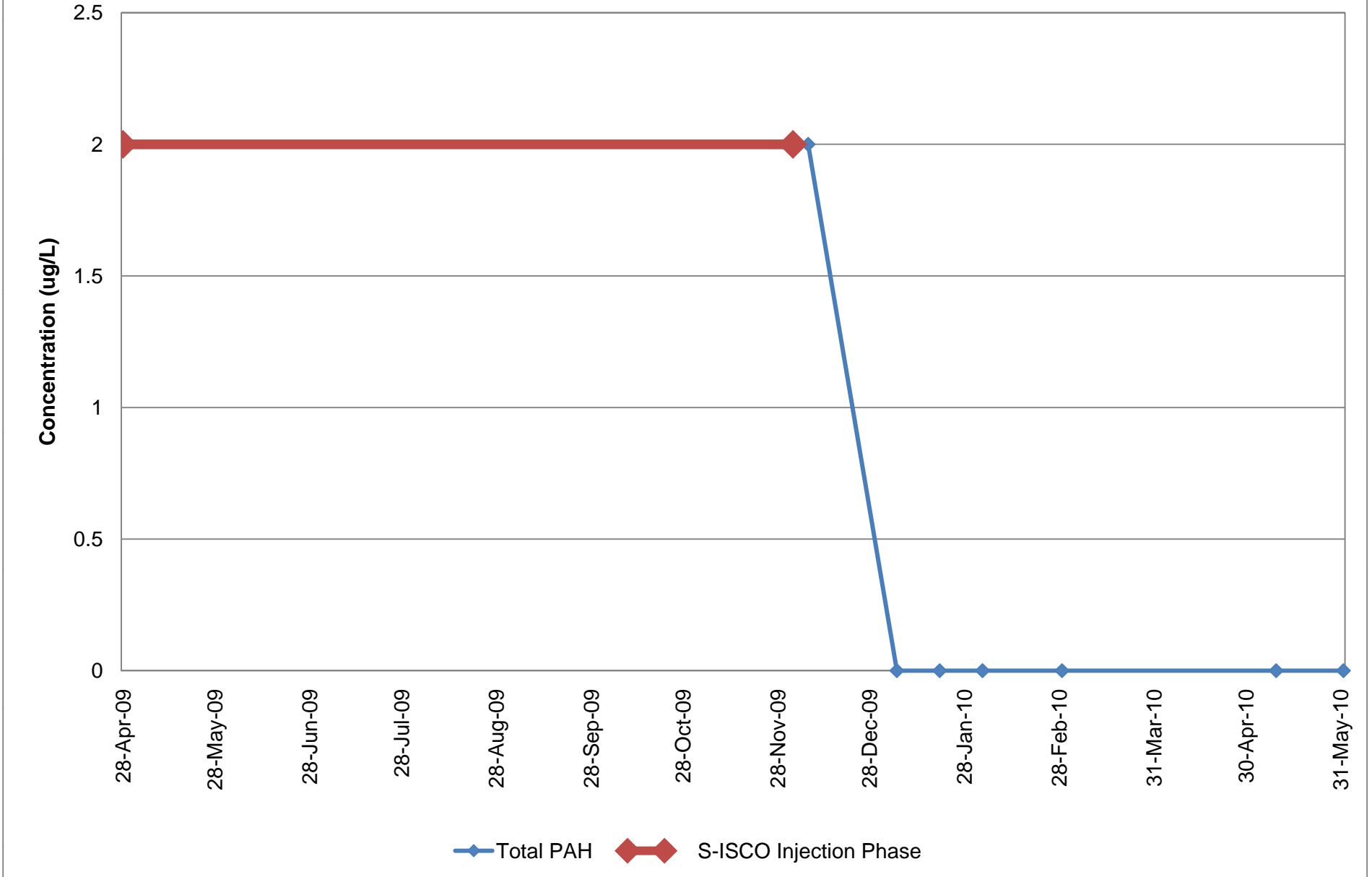
Monitoring Well WCMW-271 20-25 ft bgs



Monitoring Well WCMW-28S 2-12 ft bgs



Monitoring Well WCMW-28I 20-25 ft bgs



Appendix G
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	5/25/2010	15:04	3.87
BBMW-22D	5/25/2010	11:15	4.58
BBMW-34D	4/26/2010	13:50	4.38
BBMW-41D	4/16/2010	8:40	4.62
OZMW-16D	5/11/2010	11:05	4.71
OZMW-16D	6/10/2010	9:40	4.3
OZMW-17D	4/19/2010	11:25	4.98
OZMW-18D	6/10/2010	11:25	4.92
OZMW-19D	6/11/2010	10:40	4.81
OZMW-23D	4/13/2010	15:05	4.71
OZMW-23D	5/14/2010	9:00	4.2
OZMW-23D	6/15/2010	9:00	4.08
OZMW-23I2	5/14/2010	8:55	4.39
OZMW-23I2	6/15/2010	9:45	4.58
OZMW-24D	4/12/2010	14:50	4.43
OZMW-24D	5/17/2010	9:40	4.37
OZMW-24D	6/15/2010	10:45	4.16
OZMW-24I2	6/15/2010	14:30	4.89
OZMW-26D	5/13/2010	9:40	4.85
OU-2			
BBMW-23D2	6/22/2010	8:35	3.11
BBMW-24D	4/8/2010	11:00	4.91
OU2MW-01D	6/22/2010	13:42	4.95
OU2MW-01I2	6/22/2010	13:50	4.53
OU2MW-04WT	4/21/2010	8:50	4.99
OU2MW-07S	5/24/2010	13:35	4.3
OU2MW-08D	4/7/2010	11:40	4.51
OU2MW-08I	4/7/2010	10:55	4.58
OU2MW-08S	4/7/2010	10:10	4.91
OU2MW-11D	4/7/2010	13:35	4.49
OU2MW-11I2	4/7/2010	13:35	4.87
OU2MW-11S	4/6/2010	14:40	4.16
OU2MW-12D	4/6/2010	14:00	4.64
OU2MW-12I2	4/6/2010	11:35	4.62
OU2MW-14I2	5/26/2010	6:45	4.98
OU2MW-15I	4/6/2010	10:00	4.86
OU2MW-15S	4/6/2010	10:55	4.69
OU2MW-20D	6/24/2010	8:50	4.77
OU2MW-30D	4/5/2010	10:40	4.66
OU2MW-30D	6/24/2010	12:50	4.48
OU2MW-30D2	4/5/2010	11:55	4.8
OU2MW-30D2	6/24/2010	13:35	4.63
OU2MW-30I3	4/5/2010	13:45	4.71
OU2MW-30I3	6/24/2010	14:20	4.91
OU2MW-31I2	4/5/2010	14:30	4.71
OU2MW-32I2	4/5/2010	8:55	4.85

Appendix G
 Distribution of pH Values <5 in Groundwater
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program

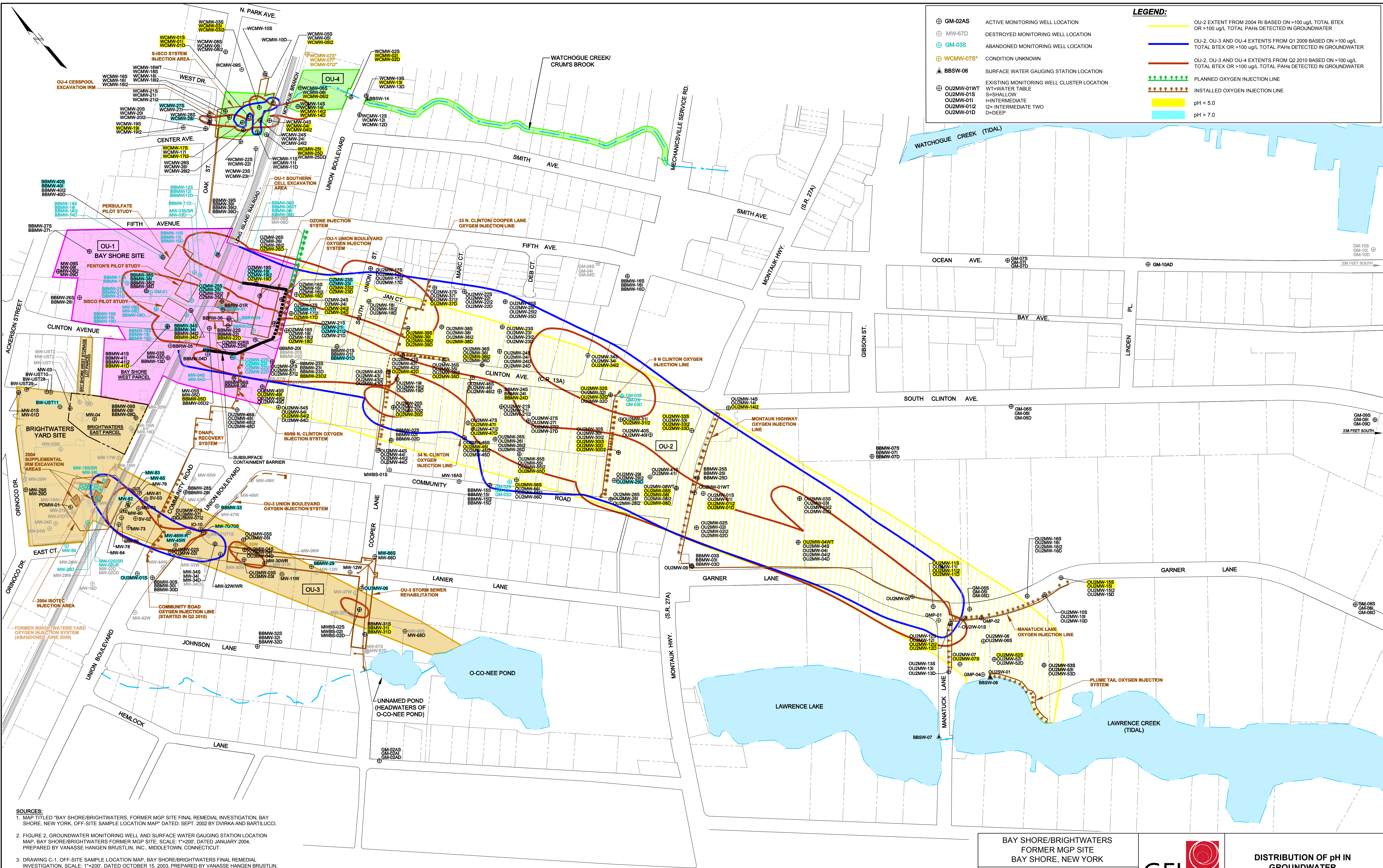
Monitoring Well	Sample Date	Sample Time	pH (S.U.)
OU2MW-32S	4/5/2010	10:00	4.81
OU2MW-33D	4/7/2010	8:50	4.73
OU2MW-33I2	4/7/2010	8:45	4.71
OU2MW-33S	4/7/2010	9:25	4.72
OU2MW-34I2	4/21/2010	13:50	4.8
OU2MW-35D	4/13/2010	13:30	4.71
OU2MW-35D	5/5/2010	13:40	4.67
OU2MW-36I2	4/14/2010	14:25	4.93
OU2MW-36I2	5/5/2010	9:45	4.65
OU2MW-37D	4/14/2010	8:50	4.91
OU2MW-37D	5/4/2010	10:20	4.91
OU2MW-38D	5/10/2010	14:05	4.94
OU2MW-39D	5/26/2010	9:00	4.9
OU2MW-39D	6/23/2010	9:05	4.29
OU2MW-39I	6/23/2010	9:40	4.82
OU2MW-39I2	4/14/2010	11:20	4.67
OU2MW-39I2	5/4/2010	9:30	4.93
OU2MW-39I2	5/26/2010	9:40	4.57
OU2MW-39I2	6/23/2010	11:05	3.78
OU2MW-39S	6/23/2010	10:13	4.87
OU2MW-42D	4/13/2010	10:50	3.18
OU2MW-42D	5/3/2010	13:30	2.88
OU2MW-45I	4/2/2010	10:15	4.58
OU2MW-47D	6/24/2010	13:50	4.87
OU2MW-47I	5/24/2010	8:50	4.83
OU2MW-49I	5/24/2010	8:50	4.83
OU2MW-52S	4/7/2010	13:30	4.36
OU2MW-54D	4/2/2010	9:15	4.43
OU2MW-55D	6/28/2010	13:45	4.83
OU2MW-56S	6/28/2010	9:10	4.87

Appendix G
 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-3			
BBMW-31D	5/19/2010	14:25	4.85
BBMW-31I	5/19/2010	14:30	4.79
MW-70/70S	5/26/2010	13:25	4.78
OU-4			
WCMW-01D	5/5/2010	10:35	2.79
WCMW-01D	6/2/2010	9:25	2.86
WCMW-01I	5/5/2010	10:30	3.35
WCMW-01I	6/1/2010	9:45	3.6
WCMW-01S	5/7/2010	9:30	4.67
WCMW-01S	6/1/2010	10:40	4.97
WCMW-02D	5/6/2010	10:00	4.93
WCMW-02I	5/6/2010	9:25	4.71
WCMW-03I	5/5/2010	9:00	4.54
WCMW-03I	6/1/2010	13:35	4.46
WCMW-03I2	5/5/2010	9:45	4.96
WCMW-04I	5/3/2010	13:50	4.47
WCMW-04I	6/1/2010	13:15	4.58
WCMW-04I2	5/3/2010	14:35	3.63
WCMW-04I2	6/2/2010	9:35	3.74
WCMW-05I2	5/3/2010	10:15	4.65
WCMW-06I2	5/10/2010	13:25	4.97
WCMW-06I2	6/2/2010	13:55	4.88
WCMW-13I	5/6/2010	10:40	4.8
WCMW-14D	5/5/2010	13:45	4.41
WCMW-14I2	5/5/2010	13:45	3.55
WCMW-14I2	6/2/2010	9:00	3.85
WCMW-17I2	5/4/2010	10:25	3.2
WCMW-17I2	6/1/2010	14:15	3.18
WCMW-17S	5/4/2010	9:30	3.69
WCMW-17S	6/1/2010	13:40	4.92
WCMW-19I	5/4/2010	13:35	4.85
WCMW-25D	5/5/2010	11:30	2.07
WCMW-25D	6/2/2010	9:00	2.27
WCMW-25I	5/5/2010	11:30	3.5

Appendix G
 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-34I	4/23/2010	10:15	9.72
BBMW-34S	4/26/2010	14:30	7.42
BBMW-38I	4/26/2010	10:20	7.66
BBMW-38S	4/26/2010	9:45	7.28
BBMW-40I	4/22/2010	14:15	7.17
BBMW-40S	4/22/2010	14:15	7.94
OZMW-17I	5/17/2010	14:25	7
OZMW-19I	4/15/2010	9:35	7.34
OZMW-19I	5/12/2010	11:45	8.55
OZMW-19I	6/10/2010	14:10	7.6
OZMW-19I2	6/11/2010	10:45	7.03
OZMW-21I	4/15/2010	11:05	7.6
OZMW-21I	5/21/2010	10:40	7.38
OZMW-21I2	4/15/2010	9:45	7.11
OZMW-21I2	5/12/2010	14:50	7.11
OZMW-22I	5/21/2010	11:00	7.57
OZMW-23I	4/13/2010	13:30	7.1
OZMW-23S	5/14/2010	9:40	7.01
OZMW-25I	4/15/2010	11:10	7.33
OZMW-25I	5/12/2010	10:05	7.07
OZMW-25S	5/12/2010	10:30	8.45
OZMW-25S	6/16/2010	14:35	7.28
OU-2			
BBMW-01D	5/19/2010	11:20	7.1
OU2MW-29D	5/14/2010	12:40	7.45
OU-3			
BBMW-29	5/11/2010	15:20	8.61
BBMW-33	5/7/2010	11:10	8.5
BW-UST-11	5/21/2010	9:05	10.25
MW-45W	5/6/2010	14:10	7.74
MW-46WR	5/6/2010	11:20	7.4
MW-65	5/11/2010	10:35	8.11
MW-66S	5/12/2010	11:15	9.48
MW-70/70S	5/6/2010	10:10	7.43
MW-82	5/21/2010	10:25	7.85
MW-83	5/16/2010	9:40	8.13
OU3MW-01S	5/21/2010	11:25	7.94
OU3MW-06S	5/6/2010	15:20	7.06
OU-4			
WCMW-27S	5/10/2010	9:55	7.28
WCMW-28I	5/10/2010	10:35	7.04

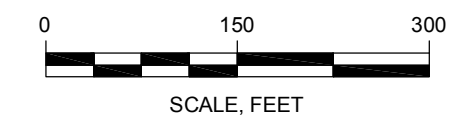


LEGEND:

⊕ GM-02AS	ACTIVE MONITORING WELL LOCATION	—	OU-2 EXTENT FROM 2004 RI BASED ON >100 ug/L TOTAL BTEX OR >100 ug/L TOTAL PAHs DETECTED IN GROUNDWATER
⊕ MW-67D	DESTROYED MONITORING WELL LOCATION	—	OU-2, OU-3 AND OU-4 EXTENTS FROM Q1 2009 BASED ON >100 ug/L TOTAL BTEX OR >100 ug/L TOTAL PAHs DETECTED IN GROUNDWATER
⊕ GM-03S	ABANDONED MONITORING WELL LOCATION	—	OU-2, OU-3 AND OU-4 EXTENTS FROM Q2 2010 BASED ON >100 ug/L TOTAL BTEX OR >100 ug/L TOTAL PAHs DETECTED IN GROUNDWATER
⊕ WCMW-075*	CONDITION UNKNOWN	—	OU-2, OU-3 AND OU-4 EXTENTS FROM Q2 2010 BASED ON >100 ug/L TOTAL BTEX OR >100 ug/L TOTAL PAHs DETECTED IN GROUNDWATER
▲ BBSW-06	SURFACE WATER GAUGING STATION LOCATION	—	PLANNED OXYGEN INJECTION LINE
⊕ Ouz2MW-01WT	EXISTING MONITORING WELL CLUSTER LOCATION	—	INSTALLED OXYGEN INJECTION LINE
⊕ Ouz2MW-01S	WT=WATER TABLE	—	pH < 5.0
⊕ Ouz2MW-011	S=SHALLOW	—	pH > 7.0
⊕ Ouz2MW-012	I=INTERMEDIATE	—	
⊕ Ouz2MW-01D	D=DEEP	—	

- 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
nationalgrid
Project 093180-5-1506



DISTRIBUTION OF pH IN GROUNDWATER
September 2010 Appendix G