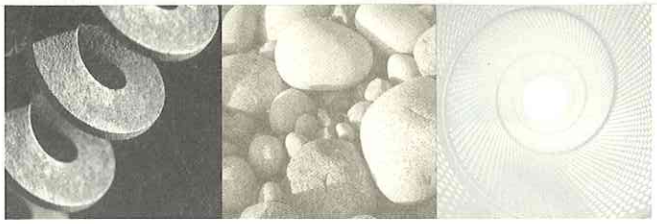

GEI Consultants

Geotechnical
Environmental and
Water Resources
Engineering

Quarterly Operations, Maintenance & Monitoring Report
Second Quarter (Q2) 2008

Bay Shore/Brightwaters Former MGP Site

Town of Islip
Suffolk County, New York
NYSDEC Consent Index No. D1-0001-98-11

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September 2008
Project 061140-8-1707

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1. Introduction

This report presents the second quarter 2008 (Q2 2008) 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 and the Order on Consent, Index No. D1-0001-98-11 signed by KeySpan Corporation (KeySpan) (currently know as National Grid) and the New York State Department of Environmental Conservation (NYSDEC).

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

OM&M activities include maintenance and monitoring of the DNAPL recovery and groundwater treatment systems, quarterly groundwater monitoring, and monitoring of soil vapor and ambient air. The OM&M results for each operable unit are presented in the following sections of the report: Section 2 - Operable Unit 1 (OU-1); Section 3 - Operable Unit 2 (OU-2); Section 4 - Operable Unit 3 (OU-3); and Section 6 - Operable Unit 4 (OU-4). The soil vapor and ambient air results contain data for OU-2 and OU-3 and are presented in Section 5.

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 Final Remedial Investigation Report (D&B, 2003). Several Interim Remedial Measures (IRMs) have been conducted since 1999 in OU-2, OU-3, and OU-4. A brief description of each IRM is presented for each operable unit below.

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

- DNAPL Recovery IRM: A DNAPL recovery system has been installed in the off-Site area south of the Long Island Railroad (LIRR) (GEI, 2006).
- In-Situ Chemical Oxidation (ISCO) Pilot Studies: Three pilot studies were conducted at the Site in 2004 utilizing Activated Persulfate, Modified Fenton's Reagent and Activated Fenton's Reagent (GEI, 2005).
- Surfactant-Enhanced In-Situ Chemical Oxidation (S-ISCO) Pilot Study: A pilot study was conducted in 2006 utilizing a surfactant to solubilize MGP-related impacts and Sodium Persulfate to oxidize those impacts (GEI, 2007a).
- OU-1 Southern Cell Excavation (February 2007 through April 2007). This excavation consisted of the removal of source material to a maximum depth of 25 feet below ground surface (bgs). The excavation was completed in support of the utility relocation in association with the excavation of source material in OU-1 located north of LIRR (GEI, 2004c).
- Subsurface Containment Barrier Installation (April 2007 through April 2008). The installation of Subsurface Containment Barrier commenced in April of 2007 and was completed in April 2008. The barrier was installed as part of the Remedial Action Plan (RAP) for OU-1 (GEI, 2004c).
- Oxygen Injection System: An oxygen injection system was installed in the downgradient edge of OU-1 in February 2008 as an interim measure to treat groundwater at the "gate" portion of the barrier wall until the full scale ozone treatment system is complete.

OU-2 consists of the groundwater plume which extends south to southeast from OU-1. The following IRM has been performed in OU-2:

- Oxygen Injection IRM: A groundwater treatment system utilizing oxygen injection technology was installed in the fourth quarter of 2005 as part of an IRM (GEI, 2006). The treatment system consists of two injection lines located along Montauk Highway and the intersection of Garner and Manatuck Lanes (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.
- Additional Oxygen Injection Systems: Additional groundwater treatment systems utilizing oxygen injection technology are planned to be installed within the OU-2 groundwater plume in 2008.

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

- ISCO IRMs: Three rounds of ISCO by In-Situ Oxidative Technologies, Inc. (ISOTEC) were used to treat the Brightwaters Yard groundwater plume source area in May of 2001, September of 2001, and October of 2004. The treatment involved the injection of a chelated iron complex and stabilized hydrogen peroxide (H^2O^2) within the IRM area (Foster Wheeler Environmental Corporation [FW], 2000).
- Excavation IRM: A source area excavation was effective in removing 1,500 tons of source contaminated soils from May to July of 2004 (Figure 1) (Paulus, Sokolowski and Sartor Engineering, PC [PS&S], 2004).
- Oxygen Injection IRM: A groundwater treatment system utilizing oxygen injection technology was installed in the third quarter 2000 as part of an IRM at the intersection of Union Boulevard and Lanier Lane (Figure 1). The treatment system consists of one injection line which injects oxygen into the upper glacial aquifer to increase aerobic biological activity and reduce the concentrations of MGP-related contaminants in groundwater prior to discharge into O-Co-Nee Pond. MGP-related impacts are limited to the upper glacial aquifer. The underlying Magothy aquifer, which is the primary source of public water supply in Nassau and Suffolk Counties, is not impacted from former MGP operations.
- Oxygen Injection IRM: A second groundwater treatment system utilizing oxygen injection technology was installed in fourth quarter 2004 as part of an IRM on the Brightwaters Yard adjacent to the LIRR (Figure 1). The treatment system consists of three injection lines which inject oxygen into the upper glacial aquifer to increase aerobic biological activity and reduce the concentrations of MGP-related contaminants in groundwater leaving the Site boundary (PS&S, 2004). MGP-related impacts are limited to the upper glacial aquifer. The underlying Magothy aquifer, which is the primary source of public water supply in Nassau and Suffolk Counties, is not impacted from former MGP operations.

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

- Sediments in Watchogue Creek/Crum's Brook were removed and the channel was restored as part of an IRM performed in 2000 (FW, 2002).

- The former cesspool was excavated and shallow impacted soils (vadose zone soils) were removed and treated off-Site as part of an IRM performed in Q4 2005 (Figure 1) (GEI, 2004a). The remaining impacted materials below the water table at the former cesspool area will be 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. The final report for the OU-4 cesspool IRM will be submitted at the completion of the ISCO portion of the former cesspool IRM.
- In the former pond area, shallow impacted soils will be removed and treated off-Site as part of an IRM that was approved by the NYSDEC in April 2006 (GEI, 2006a). Impacted soils below the water table will be treated using in-situ methods following the results of the S-ISCO pilot study on OU-1 and/or through excavation.

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

2.1 DNAPL Recovery System and NAPL Monitoring

2.1.1 Program Scope and Purpose

A DNAPL recovery system was installed in recovery well BBRW-02 in January 2006. The DNAPL recovery system consists of a Blackhawk Electric Anchor Piston Pump which recovers DNAPL from BBRW-02 and discharges to a United States Department of Transportation/United Nations (USDOT/UN)-approved 55-gallon steel drum. The DNAPL system is currently 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 allows the DNAPL to settle into a discrete layer which allows for more efficient recovery.

The presence and thickness of light non-aqueous phase liquids (LNAPL) and/or DNAPL is gauged in wells BBRW-02 through BBRW-05, BBMW-05D, and BBMW-22D on a weekly basis. BBMW-20D was damaged in Q1 2008 during construction activities on OU-1 and has not been gauged since. These wells are located on OU-1 south of the LIRR (see Figure 1).

2.1.2 Current Site Activity

The following DNAPL recovery and non-aqueous phase liquids (NAPL) monitoring events occurred during Q2 2008.

- **DNAPL Recovery:** The DNAPL recovery system in BBRW-02 was operated on the following dates:
  - April 18, 2008 – DNAPL Recovery, Scheduled Operation 42
  - May 9, 2008 – DNAPL Recovery, Scheduled Operation 43
  - June 5, 2008 – DNAPL Recovery, Scheduled Operation 44
  - June 22, 2008 – DNAPL Recovery, Scheduled Operation 45

- **NAPL Gauging:** Wells BBRW-02 through BBRW-05, BBMW-05D, and BBMW-22D were gauged for the presence of LNAPL and DNAPL on the following dates:
  - April 7, 11, 18, 24, 2008
  - May 2, 9, 16, 23, 2008
  - June 5, 13, 20, 27, 2008

2.1.3 DNAPL Recovery and NAPL Monitoring Data

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

- **Table 2-1 Summary of DNAPL Removal for Recovery Well BBRW-02** – provides DNAPL thickness prior to and after pumping events and volume of DNAPL recovered from BBRW-02. Approximately 12 gallons of DNAPL were recovered during Q2 2008.
- **Table 2-2 Summary of Measured DNAPL Thickness** – provides NAPL thickness in existing NAPL gauging wells BBRW-02 through BBRW-05, BBMW-05D, BBMW-20D, BBMW-22D. The average DNAPL thicknesses measured in BBRW-02 has decreased slightly from Q1 2008 to Q2 2008.
- **Figure 2 DNAPL Recovery Data BBRW-02** – Illustrates historical pre- and post-DNAPL recovery thickness and amount of DNAPL recovered from BBRW-02. The amount of DNAPL recovered from BBRW-02 has consistently decreased from Q2 2006 through Q2 2008. The reduced DNAPL recharge into the well and the resultant reduced DNAPL recovery rate may be attributed to the removal of DNAPL from the subsurface within the vicinity of the BBRW-02. The operational schedule of the DNAPL recovery system was changed from operating once every two weeks to once every three weeks in Q2 2008 due to the decreasing recovery.

2.1.4 Future Plans

- The DNAPL recovery system will continue to be manually operated at a frequency of once every three weeks.
- The pumping interval will continue to be evaluated on a quarterly basis.
- The 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.

- A permanent enclosure to house the pump, well, and control panel will be installed at the completion of the portion of the OU-1 remedy that will take place in this area.

2.2 Oxygen Injection System

2.2.1 Program Scope and Purpose

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

2.2.2 Current Site Activity

The following OU-1 oxygen injection system monitoring and system operation activities were performed in Q2 2008.

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

  - April 18, 2008
  - May 29, 2008
  - June 28, 2008

- **System Operation Monitoring:** 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. System Operation Monitoring was performed on the following dates:

  - April 23, 2008
  - May 9, 2008
  - June 5, 2008

- **Quarterly Groundwater Sampling:** Select monitoring wells upgradient and downgradient of the oxygen injection system located in OU-1 are sampled quarterly for volatile organic compounds (VOCs), and semivolatile organic compounds (SVOCs). Groundwater quality parameters (DO, pH, temperature, conductivity and

ORP) are also recorded for each well during the quarterly sampling. Details on the groundwater sampling program are provided in subsection 2.3 below.

2.2.3 Oxygen Injection System OM&M Data

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

- **Table 2-3 Summary of Groundwater Parameter Data – OU-1 Oxygen Injection System -** provides data gathered at downgradient monitoring well clusters OZMW-16, OZMW-17, and OZMW-18. Although the system has only been operational since March of 2008, increases in DO have been observed at shallow and intermediate depths at all three monitoring well clusters. The data presented on this table indicate that for Q2 2008:

  - DO concentrations ranged between 0 and 35 milligrams per liter (mg/L).
  - ORP values were elevated in select downgradient monitoring wells. ORP values ranged between -109 and 224 millivolts (mV);
  - pH varied between 5.04 and 6.71 Standard Units (SU) in downgradient monitoring wells;
  - Conductivity in downgradient monitoring wells has ranged between 0.147 and 0.878 milli-Siemen per centimeter (mS/cm); and
  - Temperature data has remained consistent for typical Q2 conditions.

- **OU-1 Oxygen Injection System Groundwater Data** – Preliminary groundwater data show substantial decreases in both BTEX and PAH concentrations at select monitoring wells downgradient of the oxygenated treatment zone. Further groundwater trend analysis is discussed in subsection 2.3.4.1.

- **Appendix A, OU-1 Oxygen Injection System OM&M Data** – provides data collected during system operation monitoring. The data provided in Appendix A indicate that:

  - Approximately 412 lbs of oxygen have been injected during Q2 2008 and a total of 514 lbs of oxygen have been injected since the initial start-up period; and
  - The OU-1 oxygen injection system operated for all 91 days during Q2 2008.

2.2.4 Future Plans

- Monthly system checks, groundwater parameter monitoring, and quarterly contaminants of concern (COC) sampling.
- Weekly system checks will continue to be made with qualified field staff.
- A mechanic will conduct all labor intensive maintenance on the system.

2.3 Groundwater Monitoring

2.3.1 Program Scope and Purpose

Groundwater monitoring is conducted within OU-1 to aid in monitoring the groundwater plume (OU-2), and establishing baseline conditions against which the effectiveness of the planned ozone injection system and other remedial activities can be evaluated. There are currently 20 groundwater monitoring wells located in OU-1. In addition, 16 monitoring wells in four well cluster locations (OZMW-16S, I, I2, D; OZMW-17S, I, I2, D; OZMW-18S, I, I2, D and OZMW-22S, I, I2, D) were installed at the downgradient boundary of OU-1 in Q1 2008. The wells were installed to monitor the performance of the ozone injection system which will be installed at the gate of the subsurface containment barrier. The wells are currently being used to monitor the performance of the oxygen injection system installed at this location. The well locations and geographic boundaries of OU-1 are illustrated on **Figure 1**. The number of wells sampled each quarter is determined based on previous analytical data and discussions with NYSDEC.

2.3.2 Current Site Activity

The following groundwater monitoring activities took place in OU-1 during Q2 2008.

- Depth to groundwater measurements were obtained on April 30, 2008 from the following 16 monitoring wells: BBMW-05D, BBMW-05D2; BBMW-13D, BBMW-22S, BBMW-22I, BBMW-22D; BBMW-26S, BBMW-26I, BBMW-27S, BBMW-27I; MW-03S, MW-03D; MW-05S, MW-05D; MW-09S, and MW-09I.
- Groundwater samples were collected on May 5, 2008; June 4, 6, 13, and 27, 2008; and July 21 through 23, 2008 from the following 26 monitoring wells: BBWM-05D, BBMW-20I, BBMW-22S, BBMW-22I, BBMW-22D, BBMW-27S, MW-03, MW-05S, MW-05D, MW-09S, OZMW-16S, OZMW-16I, OZMW-16I2, OZMW-16D; OZMW-17S, OZMW-17I, OZMW-17I2, OZMW-17D; OZMW-18S, OZMW-18I, OZMW-18I2, OZMW-18D, OZMW-22S, OZMW-22I, OZMW-22I2, and OZMW-22D. Groundwater samples from 10 of the 26 wells were analyzed for benzene, toluene, ethylbenzene and xylene (BTEX) and methyl tert butyl ether (MTBE) by United States Environmental Protection Agency (EPA) Method 8260 and for

polycyclic aromatic hydrocarbons (PAHs) by EPA Method 8270. Groundwater samples from the remaining 16 wells were analyzed for an expanded list of VOCs (EPA Method 8260) and PAHs (EPA Method 8270).

2.3.3 Groundwater Elevation Data

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

- **Table 2-4 Water Level Measurements and Calculated Groundwater Elevations** – provides depth to water measurements and calculated groundwater elevation data for OU-1 wells measured in Q2 2008. The elevation data presented on this table is in reference to the NAVD88 datum.
- **Table 2-5 Historic Calculated Groundwater Elevations** – provides historic groundwater elevations for existing OU-1 groundwater monitoring wells. All historic groundwater elevation data presented has been recalculated based on the November 2007 survey data and the NAVD88 datum.
- **Figure 3 – On-Site Shallow Groundwater Contour Map** – provides the Q2 2008 shallow groundwater elevation contours for OU-1 and OU-3.
- **Figure 4 – Shallow Groundwater Contour Map** – provides the Q2 2008 shallow groundwater elevation contours for OU-1, OU-2, OU-3 and OU-4.
- **Figure 5 – Deep Groundwater Contour Map** – provides the Q2 2008 deep groundwater elevation contours for OU-1, OU-2, OU-3 and OU-4.

The groundwater flow direction is towards the south/southeast. The shallow groundwater hydraulic gradient in OU-1 is approximately 0.003 feet/foot and the deep groundwater hydraulic gradient is approximately 0.0031 feet/foot. The groundwater elevation in OU-1 monitoring wells during the Q2 2008 event were an average of 0.77 feet higher than the Q1 2008 groundwater elevations and an average of 0.04 feet lower than the Q2 2007 groundwater elevations.

2.3.4 Groundwater Analytical Data

The groundwater analytical results for groundwater monitoring wells located in OU-1 and sampled in Q2 2008 are provided on the following tables:

- **Table 2-6 Summary of Historic Total BTEX Groundwater Analytical Results** – provides a summary of historical total BTEX results for existing OU-1 groundwater monitoring wells.

- **Table 2-7 Summary of Historic Total PAH Groundwater Analytical Results** – provides a summary of historical total PAH results for existing OU-1 groundwater monitoring wells.
- **Table 2-8 Summary of BTEX, MTBE and PAH Groundwater Analytical Results** – provides the Q2 2008 groundwater analytical results for monitoring wells located in OU-1 for each of the analyzed compounds detected in Q2 2008.
- **Table 2-9 Summary of Expanded Groundwater Analytical Results –** provides the Q2 2008 groundwater analytical results for monitoring wells located in OU-1 that were analyzed for the expanded list of VOCs for each compound detected in Q2 2008.

2.3.4.1 Groundwater Analytical Data Trend Analysis

The groundwater analytical data were reviewed to identify any trends in data between samples collected during similar seasonal periods in previous years and any long term trends.

Ten of the 26 wells sampled in Q2 2008 were sampled in at least one previous Q2 sampling event. Nine of these 10 monitoring wells had sufficient data available (greater than one historic sampling event) to calculate the standard deviation and mean historical Q2 concentrations (exclusive of the Q2 2008 data). The Q2 2008 data were then compared to two standard deviations from the mean. The range of data depicted within two standard deviations from the mean should include at least 75% of all concentrations recorded for the individual well (Chebyshev's inequality or Chebyshev's theorem). Concentrations that fall outside of this range would represent a significant variation in total BTEX or PAH concentrations.

The results of the statistical analysis for the OU-1 historic Q2 data for total BTEX are shown below. The table below provides the total BTEX concentrations measured in Q2 2008 and the mean and standard deviation calculated for the historical Q2 total BTEX values. The resultant statistical range (the mean concentration plus or minus 2 standard deviations) is also presented.

		Total BTEX Concentration (ug/L)				
				Historical	Statistical Q2 Range	
Well No.	Screen Interval (ft-bgs)	Q2 2008	Historical Q2 Mean	Q2 Standard Deviation	Minimum	Maximum
BBMW-05D	64.0 - 74.0	727	856	317	222	1,489
BBMW-20I	35.0 - 45.0	5	74	84	-95	243
BBMW-22D	64.0 - 74.0	3,126	5,492	3,579	-1,665	12,649
BBMW-22I	30.0 - 40.0	32	34	11	12	55
BBMW-22S	5.0 - 10.0	7,340	11,843	3,761	4,322	19,365
MW-03S	3.0 - 13.0	5	70	74	-79	218
MW-05D	35.5 - 45.5	0	10	9	-9	28
MW-05S	4.0 - 14.0	8,060	25,963	14,048	-2,133	54,059
MW-09S	4.0 - 14.0	0	0	0	0	0

All of the OU-1 Q2 2008 total BTEX concentrations fall within two standard deviations of the mean historical Q2 total BTEX concentration.

When the same analysis is performed for the entire OU-1 data set, independent of the quarter the data was collected, all of the Q2 2008 total BTEX concentrations fall within two standard deviations from the historical mean concentration of the entire OU-1 data set. These results indicate that no statistically significant changes in the BTEX concentration were detected in Q2 2008 where sufficient data was available to perform statistic analysis. The entire OU-1 total BTEX historical data set for existing wells is presented in **Table 2-6**.

The results of the statistical analysis for the OU-1 historic Q2 data for total PAHs are shown below. The table below provides the total PAH concentrations measured in Q2 2008 and the mean and standard deviation calculated for the Q2 historical total PAH concentrations. The resultant statistical range (the mean concentration plus or minus 2 standard deviations) is also presented.

		Total PAH Concentration (ug/L)				
				Historical	Statistical Q2 Range	
Well No.	Screen Interval (ft-bgs)	Q2 2008	Historical Q2 Mean	Q2 Standard Deviation	Minimum	Maximum
BBMW-05D	64.0 - 74.0	1,203	1,892	1,638	-1,385	5,168
BBMW-20I	35.0 - 45.0	48	5,574	2,935	-295	11,444
BBMW-22D	64.0 - 74.0	4,894	6,682	4,236	-1,789	15,153
BBMW-22I	30.0 - 40.0	4,290	5,531	2,867	-202	11,264
BBMW-22S	5.0 - 10.0	25	2,297	1,257	-217	4,811
MW-03S	3.0 - 13.0	0	29	44	-59	116
MW-05D	35.5 - 45.5	390	1,420	1,312	-1,205	4,044
MW-05S	4.0 - 14.0	144	1,806	605	596	3,015
MW-09S	4.0 - 14.0	0	0	0	0	0

The Q2 2008 PAH concentration was within two standard deviations of the historic Q2 mean PAH concentration for all nine of the wells where sufficient data was available to perform the statistical analysis.

When the same analysis is performed on the entire OU-1 data set, independent of the quarter the data was collected, the Q2 2008 total PAH concentrations were within 2 standard deviations of the overall historic mean PAH concentrations for all wells with the exception of BBMW-22S (**Table 2-7**). The total PAH concentration in monitoring well BBMW-22S was greater than two standard deviations below the historical mean total PAH concentrations indicating a reduction in PAH concentration at this location. These results indicate that no statistically significant changes in the total PAH concentration were detected in Q2 2008 for the majority of the wells where sufficient data was available to perform statistic analysis.

Groundwater monitoring wells OZMW-16S, OZMW-16I, OZMW-16I2, OZMW-16D, OZMW-17S, OZMW-17I, OZMW-17I2, OZMW-17D, OZMW-18S, OZMW-18I, OZMW-18I2, and OZMW-18D were installed immediately downgradient of the oxygen injection system located in the gate portion of the wall in OU-1. These wells were first sampled in Q1 2008 prior to operation of the oxygen injection system. These wells were scheduled to be sampled for the second time at the end of Q2 2008. However, these wells were sampled for

the second time at the beginning of Q3 2008. The total BTEX and PAH concentrations in these wells for February/March 2008 and July 2008 are summarized in the table below and presented in **Tables 2-6 and 2-7**.

Well No.	Screen Interval (ft-bgs)	Total BTEX (ug/L)		Total PAH (ug/L)	
		Feb/March 2008	July 2008	Feb/March 2008	July 2008
OZMW-16D	55.0 - 65.0	0	0	1	0
OZMW-16I	20.0 - 30.0	512	105	1,447	39
OZMW-16I2	35.0 - 45.0	3	4	0	219
OZMW-16S	5.0 - 15.0	4,685	0	830	2
OZMW-17D	53.0 - 63.0	0	0	27	0
OZMW-17I	20.0 - 30.0	1,316	82	5,197	5
OZMW-17I2	35.0 - 45.0	0	0	7	0
OZMW-17S	5.0 - 15.0	1,664	78	1,963	1
OZMW-18D	55.0 - 65.0	77	31	1,684	461
OZMW-18I	20.0 - 30.0	3,600	169	2,312	625
OZMW-18I2	35.0 - 45.0	201	95	8,178	7,353
OZMW-18S	5.0 - 15.0	3,160	54	569	15

The results of the two rounds of sampling indicate that the total BTEX and PAH concentrations have been reduced in all of these wells with the exception of OZMW-16I2. The most significant reductions of BTEX and PAHs were observed in the shallower wells where the higher initial concentrations of BTEX and PAHs were present (OZMW-16S, OZMW-16I, OZMW17S, OZMW-17I, OZMW-18S, OZMW-18I and OZMW-18I2). The OU-1 oxygen injection system performance data for the first quarter of operation is summarized in **Section 2.2** above. These wells will be sampled for the third time at the end of the Q3 2008 sampling round (September 2008). The results of this analysis for OU-1 indicate that the total BTEX and total PAH concentrations detected in Q2 2008 are generally statistically consistent with data collected in OU-1 since the groundwater monitoring program began. However, some indications of decreased BTEX and PAH concentrations as a result of remedial activities on OU-1 are present.

2.3.5 Future Plans

- Continue annual and quarterly groundwater monitoring at selected wells.

2.4 Institutional Controls/Engineering Controls (IC/EC)

There has been no activity this quarter.

3. Operable Unit 2 – Bay Shore Groundwater Plume

3.1 Oxygen Injection System

3.1.1 Program Scope and Purpose

An oxygen injection groundwater treatment system, comprised of two injection lines located along Montauk Highway and at the intersection of Manatuck and Garner Lanes, was installed in November of 2005 to mitigate dissolved-phase groundwater contaminant concentrations in the OU-2 plume migrating to Lawrence Creek (**Figure 1**). The oxygen injection system injects oxygen into the upper glacial aquifer to increase dissolved oxygen concentrations in groundwater and enhance biological breakdown of dissolved constituents in the groundwater plume in OU-2 prior to and during the remedy for OU-1.

3.1.2 Current Site Activity

The following OU-2 oxygen injection system monitoring and system operation activities were performed in Q2 2008.

- **Monthly Groundwater Parameter Monitoring:** On a monthly basis, seven monitoring wells downgradient of the oxygen injection lines (OU2MW-06, OU2MW-07, BBMW-25S, BBMW-25I, OU2MW-01S, OU2MW-01I, and OU2MW-01I2) are monitored for DO, ORP, pH, conductivity, and temperature. Monthly Groundwater Parameter Monitoring was performed on the following dates:

  - April 21, 22, 2008
  - May 2, 22, 2008
  - June 25, 26, 27, 2008

- **System Operation Monitoring:** 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. System Operation Monitoring was performed on the following dates:

  - April 22, 2008
  - June 6, 2008
  - July 8, 2008

- **Quarterly Groundwater Sampling:** Select monitoring wells upgradient and downgradient of the oxygen injection system located in OU-2 are sampled quarterly for VOCs, and SVOCs. Groundwater quality parameters (DO, pH, temperature, conductivity and ORP) are also recorded for each well during the quarterly sampling. Details on the groundwater sampling program are provided in subsection 3.2 below.

3.1.3 Oxygen Injection System OM&M Data

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

- **Table 3-1 Summary of Groundwater Parameter Data – Montauk Highway Oxygen Injection Line** – provides the historic conductivity, DO, ORP, pH and temperature data for wells downgradient of the Montauk Highway oxygen injection line. The data presented on this table indicate that for Q2 2008:

  - DO concentrations remained elevated in downgradient monitoring wells. DO concentrations ranged between 0 and 42 mg/L;
  - ORP remained elevated in select downgradient monitoring wells. ORP ranged between -136 and 238 millivolts (mV);
  - pH has remained consistent. pH varied between 4.74 and 6.56 Standard Units (SU) in downgradient monitoring wells;
  - Conductivity in downgradient monitoring wells has remained consistent and has ranged between 0.040 and 1.07 milli-Siemen per centimeter (mS/cm); and
  - Temperature data has remained consistent for typical Q2 conditions.

- **Table 3-2 Summary Groundwater Parameter Data – Manatuck Lane Oxygen Injection Line** – provides the historic conductivity, DO, ORP, pH and temperature data for well downgradient of the Manatuck Lane oxygen injection line. The data presented in this table indicate that for Q2 2008:

  - DO concentrations remained elevated in downgradient monitoring wells. DO concentrations ranged between 7 and 38 mg/L;
  - ORP remained elevated in select downgradient monitoring wells. ORP ranged between 120 and 225 mV;
  - pH has remained consistent. pH varied between 5.54 and 6.50 SU in downgradient monitoring wells;
  - Conductivity in downgradient monitoring wells has remained consistent. Conductivity ranged between 0.628 and 0.274 mS/cm; and
  - Temperature data remained consistent for typical Q2 conditions.

- **Figure 6 Montauk Highway Oxygen Injection Line Groundwater Data** – provides 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 6 provides data for the monitoring well clusters BBMW-25, OU2MW-01, OU2MW-02, OU2MW-03, OU2MW-04 and OU2MW-08. DO concentrations have remained elevated in several downgradient monitoring wells. Significant decreases of MGP-related contaminants have been observed in monitoring wells located downgradient of the Montauk Highway injection line at wells where effects of the oxygen injection system have been noted (BBMW-25S, BBMW-25I, OU2MW-01S, OU2MW-01I, OU2MW-01I2, OU2MW-02S, OU2MW-02I, OU2MW-03I and OU2MW-04I). Further groundwater trend analysis is discussed in subsection 3.2.4.1.

- **Figure 7 Manatuck Lane Oxygen Injection Line Groundwater Data** – provides graphical depiction of DO levels, total BTEX and total PAH concentations over time for wells located downgradient of the Manatuck Lane oxygen injection line. 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 system have been noted (OU2MW-06, OU2MW-07, GMP-04 and GMP-02). Further groundwater trend analysis is discussed in subsection 3.2.4.1.

- **Appendix B OU-2 Oxygen Injection System OM&M Data** – provides data collected during system operation monitoring. The data provided in Appendix B indicate that:

    - Approximately 805 lbs of oxygen have been injected during Q2 2008 and a total of 7,167 lbs of oxygen have been injected since the initial start-up period; and
    - The OU-2 oxygen injection system operated for all 91 days during Q2 2008.

3.1.4 Future Plans

- Monthly system checks, groundwater monitoring, and quarterly COC sampling.
- Sampling of permanent soil vapor points.
- Weekly system checks will continue to be made with qualified field staff.
- The system operational status will continue to be checked by phone on a weekly basis.
- A mechanic will conduct all labor intensive maintenance on the system.

3.2 Groundwater Monitoring

3.2.1 Program Scope and Purpose

Groundwater monitoring is conducted within OU-2 to aid in monitoring the groundwater plume, the effectiveness of remedial activities, the effectiveness of the oxygen injection systems, and to aid in remedy planning. There were 110 groundwater monitoring wells located within and adjacent to the OU-2 plume during the Q2 2008 sampling event. The well locations and geographic boundaries of OU-2 are illustrated on **Figure 1**. The majority of OU-2 monitoring wells are sampled quarterly with the exception of groundwater monitoring wells BBMW-01S, I, and D and BBMW-23S, I, D and D2, which have been sampled on a monthly basis since Q2 2007. BBMW-01S, I, and D and BBMW-23S, I, D, and D2 are located approximately 100 to 200 feet downgradient of OU-1 and will continue to be monitored on a monthly basis to measure the influence of the OU-1 excavations and barrier wall installation on the OU-2 groundwater plume. The number of wells sampled each quarter is determined based on previous analytical data and discussions with NYSDEC.

3.2.2 Current Site Activity

The following groundwater monitoring activities took place in OU-2 during Q2 2008.

- Depth to groundwater measurements were obtained on April 30 and May 1, 2008 from 109 monitoring wells located within, sidegradient and downgradient of OU-2.
- Surface water elevations were obtained on May 1, 2008 from surface water gauges located within Lawrence Lake (BBSW-07) and Lawrence Creek (OU2SW-01 and BBSW-06).
- Groundwater samples were collected from 109 monitoring wells located within OU-2 on April 23 and 24, 2008; May 13, 19 through 23, and 27 through 30, 2008; and June 2, 3, 4, 5, 9, 12, 17, 19, 20 and 23, 2008. Monitoring wells BBMW-01S, I, and D and BBMW-23S, I, D and D2 were sampled monthly during Q2 2008 (April 23 and 24, 2008; May 27 and 28, 2008; and June 23 and 24, 2008). The groundwater samples from 107 wells were analyzed for expanded VOCs (EPA Method 8260) and PAHs (EPA Method 8270). The groundwater samples from BBMW-07I and BBMW-07D were analyzed for BTEX (EPA Method 8260) and PAHs (EPA Method 8270).

3.2.3 Groundwater Elevation Data

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

- **Table 3-3 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 2008.
- **Table 3-4 Historic Calculated Groundwater Elevations** – provides historic groundwater elevations for existing OU-2 groundwater monitoring wells.
- **Figure 4 – Shallow Groundwater Contour Map** – provides the Q2 2008 shallow groundwater elevation contours for OU-1, OU-2, OU-3 and OU-4.
- **Figure 5 – Deep Groundwater Contour Map** – provides the Q2 2008 deep groundwater elevation contours for OU-1, OU-2, OU-3 and OU-4.

The groundwater flow direction in OU-2 is toward the south/southeast. The shallow groundwater hydraulic gradient ranges from approximately 0.0031 feet/foot in the upgradient portion of the plume to approximately 0.005 feet/foot in the downgradient portion of the plume. The deep groundwater hydraulic gradient ranges from approximately 0.0029 feet/foot to 0.005 feet/foot. The groundwater elevation in OU-2 monitoring wells during the Q2 2008 event were an average of 0.28 feet higher than the Q1 2008 groundwater elevations and an average of 0.40 feet lower than the Q2 2007 groundwater elevations.

3.2.4 Groundwater Analytical Data

The OU-2 groundwater analytical data are presented on the following tables.

- **Table 3-5 Summary of Historic Total BTEX Groundwater Analytical Results - Upgradient of Montauk Highway Oxygen Injection Line** – presents a summary of historical total BTEX results for existing OU-2 groundwater monitoring wells upgradient of the Montauk Highway Oxygen Injection Line.
- **Table 3-6 Summary of Historic Total PAH Groundwater Analytical Results - Upgradient of the Montauk Highway Oxygen Injection Line** – presents a summary of historical total PAH results for existing OU-2 groundwater monitoring wells upgradient of the Montauk Highway Oxygen Injection Line.
- **Table 3-7 Summary of Historic Total BTEX Groundwater Analytical Results - Downgradient of Montauk Highway Oxygen Injection Line** – presents a summary of historical total BTEX results for existing OU-2 groundwater monitoring wells downgradient of the Montauk Highway Oxygen Injection Line.
- **Table 3-8 Summary of Historic Total PAH Groundwater Analytical Results - Downgradient of the Montauk Highway Oxygen Injection Line** – presents a summary of historical total PAH results for existing OU-2 groundwater monitoring wells downgradient of the Montauk Highway Oxygen Injection Line.

- **Table 3-9 Summary of Historic Total BTEX Groundwater Analytical Results - Downgradient of Manatuck Lane Oxygen Injection Line** – presents a summary of historical total BTEX results for existing OU-2 groundwater monitoring wells downgradient of the Manatuck Lane Oxygen Injection Line.
- **Table 3-10 Summary of Historic Total PAH Groundwater Analytical Results- Downgradient of the Manatuck Lane Oxygen Injection Line** – presents a summary of historical total PAH results for existing OU-2 groundwater monitoring wells downgradient of the Manatuck Lane Oxygen Injection Line.
- **Table 3-11 Summary of BTEX, MTBE, and PAH Groundwater Analytical Results** – provides the Q2 2008 groundwater analytical results for each of the analyzed compounds detected in Q2 2008.
- **Table 3-12 Summary of Expanded Groundwater Analytical Results** – provides the Q2 2008 groundwater analytical results for monitoring wells located in OU-2 for each compound detected during the Q2 2008 sampling event.

3.2.4.1 Groundwater Analytical Data Trend Analysis

The groundwater analytical data were reviewed to identify any trends in data between samples collected during similar seasonal periods in previous years and any long term trends. In addition, analysis of the data has been separated between the areas upgradient and downgradient of the Gardner Lane oxygen injection system. The discussion of groundwater downgradient of the oxygen injection system is further divided by the first injection line at Montauk Highway and the second oxygen injection line at Manatuck Lane (**Figure 1**).

A comparison of previous Q2 data to the Q2 2008 data is presented below for the areas upgradient and downgradient of the oxygen injection system. Where sufficient data were available, the standard deviation was calculated for historical Q2 concentrations (exclusive of the Q2 2008 data). The Q2 2008 data were then compared to two standard deviations from the mean. The range of data depicted within two standard deviations from the mean should include 75% of all concentrations recorded for the individual well (Chebyshev's inequality or Chebyshev's theorem). Concentrations that fall outside of this range would represent a significant variation in total BTEX or PAH concentrations. For the seven monitoring wells sampled monthly during Q2 2008, the largest concentration was used to calculate trend statistics.

Upgradient of the Montauk Highway Oxygen Injection Line

Forty-five (45) wells were sampled upgradient of the Montauk Highway oxygen injection line in OU-2 during Q2 2008. Of these 45 wells, 24 wells had sufficient historical Q2 data to perform the statistical analysis described above.

The results of this statistical analysis for total BTEX is provided on the table below and includes a summary of the Q2 2008 BTEX concentration, the historical Q2 standard deviation, historical Q2 mean (exclusive of Q2 2008 data) and the resultant statistical range (the mean concentration plus or minus 2 standard deviations) for each well.

Well No.	Screen Interval (ft-bgs)	Total BTEX Concentration (ug/L)				
		Q2 2008	Historical Q2 Mean	Historical Q2 Standard Deviation	Statistical Q2 Range	
					Minimum	Maximum
BBMW-01D*	68.5 - 78.5	81	433	177	79	786
BBMW-01I*	32.0 - 42.0	64	264	224	-185	712
BBMW-01S*	5.0 - 15.0	3,022	1,499	1,338	-1,178	4,175
BBMW-02D	73.0 - 83.0	0	0	0	0	0
BBMW-02I	30.0 - 40.0	0	0	0	0	0
BBMW-02S	5.0 - 15.0	4	0	0	0	0
BBMW-15D	70.0 - 80.0	0	0	0	0	0
BBMW-15I	35.0 - 45.0	0	1	1	-2	3
BBMW-15I2	23.0 - 28.0	0	0	0	0	0
BBMW-15S	5.0 - 15.0	0	0	0	0	0
BBMW-23D*	49.5 - 59.5	23	174	221	-268	616
BBMW-23D2*	63.0 - 73.0	3	9	16	-23	42
BBMW-23I*	33.0 - 43.0	3	0	0	0	0
BBMW-23S*	5.0 - 15.0	22,830	21,295	10,067	1,160	41,429
BBMW-24D	59.5 - 69.5	215	644	414	-185	1,473
BBMW-24I	32.0 - 42.0	0	480	450	-420	1,381
BBMW-24S	4.0 - 14.0	0	2	6	-9	14
GM-03D	53.18 - 68.18	0	0	0	0	0
GM-03I	30.03 - 45.03	161	53	66	-78	185
GM-03S	6.78 - 21.78	0	49	54	-60	157
OU2MW-08D	65.0 - 70.0	0	0	0	0	0
OU2MW-08I	35.0 - 40.0	245	359	230	-101	818
OU2MW-08I2	50.0 - 55.0	317	187	121	-55	428
OU2MW-08S	20.0 - 25.0	858	841	870	-898	2,580

Notes: * indicates maximum monthly value presented
Shaded values indicate value outside of calculated statistical range

The Q2 2008 total BTEX concentrations at monitoring well BBMW-02S and BBMW-23I were greater than two standard deviations above the historical Q2 mean value indicating a slight increase in concentration at these locations. The Q2 2008 BTEX concentrations in the remaining wells fell within two standard deviations from their historical Q2 means.

When the same analysis was performed on the entire OU-2 data set upgradient of the Montauk Highway oxygen injection line, independent of the quarter the data was collected, the Q2 2008 total BTEX concentrations in all of the wells fell within two standard deviations from their historical mean concentration with the exception of BBMW-02S (**Table 3-5**). The total BTEX concentration measured in BBMW-02S (4 ug/L) was greater than two standard deviations higher than the overall historical mean. BTEX was not present above detection limits at BBMW-02S prior to the Q2 2008 sampling event.

Both the BBMW-01 and BBMW-23 well clusters have been sampled on a monthly basis since May 2007. These wells were selected for monthly sampling to more closely monitor the groundwater impacts immediately downgradient of the OU-1 barrier wall installation and OU-1 excavation activities. The BTEX concentrations in these wells for each of the Q2 2007, Q3 2007, Q4 2007, Q1 2008 and Q2 2008 sampling events are presented in the following table.

Well ID:		BBMW-01D	BBMW-01I	BBMW-01S	BBMW-23D	BBMW-23D2	BBMW-23I	BBMW-23S
Screen Depth:		68.5 - 78.5	32.0 – 42.0	5.0 - 15.0	49.5 - 59.5	63.0 - 73.0	33.0 - 43.0	5.0 - 15.0
Sample Date		Total BTEX Concentration (ug/L)						
May	Q2	416	57	3,640	85	0	0	14,854
June	2007	555	156	2,985	96	0	0	18,185
July	Q3	270	252	4,344	677	0	0	13,434
Aug.	2007	163	289	7,420	998	0	19	5,853
Sept.		386	375	1,763	1,324	0	3	19,818
Oct.	Q4	5	274	1,887	660	0	0	13,621
Nov.	2007	1	127	5,590	621	0	4	14,940
Dec.		9	177	2,430	459	0	10	8,501
Jan.	Q1	22	262	2,720	493	0	0	7,726
Feb	2008	28	218	4,210	89	0	0	10,553
March		43	67	2,865	31	0	0	26,389
April	Q2	35	30	3,022	23	0	0	22,830
May	2008	32	36	1,922	17	3	3	10,736
June		81	64	1,984	10	0	0	14,251

Review of the above data indicates a decrease in BTEX concentrations in BBMW-01D starting in October 2007 and continuing through June 2008. A decrease in BTEX concentration was also observed in BBMW-01I and BBMW-23D starting in March 2008 and continuing through June 2008. The Q2 2008 BTEX concentrations in the remaining wells are within the range of fluctuations of observed BTEX concentration from previous sampling rounds.

The results of the statistical analysis for total PAHs are provided below. The following table presents a summary of the Q2 2008 total PAH concentration, the historical Q2 standard deviation, historical Q2 mean (exclusive of Q2 2008 data) and the resultant statistical range (the mean concentration plus or minus 2 standard deviations) for each well.

Well No.	Screen Interval (ft-bgs)	Total PAH Concentration (ug/L)				
		Q2 2008	Historical Q2 Mean	Historical Q2 Standard Deviation	Statistical Q2 Range	
					Minimum	Maximum
BBMW-01D*	68.5 - 78.5	183	2,430	1,387	-343	5,204
BBMW-01I*	32.0 - 42.0	6,532	7,538	1,360	4,819	10,258
BBMW-01S*	5.0 - 15.0	1,640	1,849	1,683	-1,517	5,215
BBMW-02D	73.0 - 83.0	0	0	0	0	0
BBMW-02I	30.0 - 40.0	0	0	0	0	0
BBMW-02S	5.0 - 15.0	0	0	0	0	0
BBMW-15D	70.0 - 80.0	0	0	0	0	0
BBMW-15I	35.0 - 45.0	0	0	0	0	0
BBMW-15I2	23.0 - 28.0	0	0	0	0	0
BBMW-15S	5.0 - 15.0	0	0	0	0	0
BBMW-23D*	49.5 - 59.5	188	2,121	2,317	-2,513	6,755
BBMW-23D2*	63.0 - 73.0	50	12	21	-30	54
BBMW-23I*	33.0 - 43.0	14	414	881	-1,348	2,176
BBMW-23S*	5.0 - 15.0	2,169	1,806	591	625	2,988
BBMW-24D	59.5 - 69.5	160	3,862	2,959	-2,056	9,779
BBMW-24I	32.0 - 42.0	87	4,803	2,238	326	9,279
BBMW-24S	4.0 - 14.0	0	24	48	-72	119
GM-03D	53.18 - 68.18	0	11	18	-25	46
GM-03I	30.03 - 45.03	106	174	130	-86	435
GM-03S	6.78 - 21.78	0	205	229	-253	662
OU2MW-08D	65.0 - 70.0	0	49	69	-89	186
OU2MW-08I	35.0 - 40.0	4,895	3,160	1,217	726	5,593
OU2MW-08I2	50.0 - 55.0	2,120	2,066	846	375	3,757
OU2MW-08S	20.0 - 25.0	6,504	7,916	1,295	5,326	10,505
Notes: * indicates maximum monthly value presented.						

The Q2 2008 total PAH concentrations fell within two standard deviations from their historical Q2 means for all wells where sufficient data was available to perform the statistical analysis.

When the same analysis was performed on the entire OU-2 data set upgradient of the Montauk Highway oxygen injection line, independent of the quarter the data was collected, the total PAH concentrations at all of the monitoring wells were within two standard deviations of the overall historical mean with the exception of BBMW-16D. The PAH concentration in BBMW-16D for Q2 2008 was 23 ug/L. The PAH concentration in this well was previously below detection limits (**Table 3-6**).

As stated above, both the BBMW-01 and BBMW-23 well clusters have been sampled on a monthly basis since May 2007. The total PAH concentrations in these wells for each of the Q2 2007, Q3 2007, Q4 2007, Q1 2008 and Q2 2008 sampling events are presented in the following table.

Well ID:		BBMW-01D	BBMW-01I	BBMW-01S	BBMW-23D	BBMW-23D2	BBMW-23I	BBMW-23S
Screen Depth:		68.5 - 78.5	32.0 - 42.0	5.0 - 15.0	49.5 - 59.5	63.0 - 73.0	33.0 - 43.0	5.0 - 15.0
Sample Date		Total PAH Concentration (ug/L)						
May	Q2	695	7,721	3,189	6,619	0	1,355	2,318
June	2007	2,090	6,848	4,347	5,216	0	2,207	2,519
July	Q3	862	8,949	3,972	4,927	0	2,559	1,785
Aug.	2007	300	2,789	2.787	5,443	1	197	1,746
Sept.		1,248	5,384	2,618	5,835	0	31	1,427
Oct.	Q4	0	4,536	1,162	5,620	0	0	2,703
Nov.	2007	5	4,942	2,047	3,130	0	20	1,870
Dec.		0	8,071	3,929	3,641	0	31	2,381
Jan.	Q1	33	7,517	176	3,118	0	16	198
Feb	2008	50	10,403	30	957	0	0	1,895
March		55	6,752	1,432	310	2	1	2,569
April	Q2	62	4,021	1,619	188	50	14	2,169
May	2008	0	3,802	689	5	14	0	1,307
June		183	6,532	1,640	81	0	0	1,596

Review of the above data indicates that the PAH concentrations measured in BBMW-01D and BBMW-23I have reduced significantly in the Q4 2007, Q1 2008 and Q2 2008 sampling events. The PAH concentrations have also decreased in BBMW-23D for the two most recent Q1 2008 monthly sampling events and the three Q2 2008 monthly sampling events.

The reductions and fluctuations in BTEX and PAH concentrations detected in OU-2 upgradient of the oxygen injection system are likely caused by remediation activities occurring in OU-1 including, barrier wall construction activities, source area excavations and oxygen injection system operation. The barrier wall construction was completed in April 2008. Additional oxygen injection systems are planned for installation within the OU-2 groundwater plume in 2008.

Downgradient of Montauk Highway Oxygen Injection Line

The following 48 wells are located downgradient of the Montauk Highway oxygen injection line and upgradient of the Manatuck Lane injection line:

- BBMW-03S, I, and D;
- BBMW-07S, I and D;
- BBMW-25S, I, and D;
- OU2MW-01WT, S, I, I2, and D;
- OU2MW-02S, I, I2, and D;
- OU2MW-03S, I, I2, and D;
- OU2MW-04WT, S, I, I2, and D;
- OU2MW-05,
- OU2MW-09;
- OU2MW-11S, I, I2, and D;
- OU2MW-14S, I, and I2;

- OU2MW-15S, I, I2, and D;
- OU2MW-16S, I, I2, and D;
- GM-05S, I, and D; and
- GMP-01.

As presented in subsection 3.1.3 above, 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. Plots of groundwater parameters and total BTEX and total PAH concentrations over time are presented in **Figure 6** for wells located downgradient of the Montauk Highway injection line. The pre- and post-oxygen injection BTEX and PAH concentrations are presented in **Tables 3-7 and 3-8**, respectively.

The pre-treatment and post-treatment statistical trends were evaluated by calculating the standard deviation and mean BTEX and PAH concentrations for historical groundwater samples prior to initiation of oxygen injection system (prior to January 2006). The post-oxygen injection system data were then compared to two standard deviations from the mean pre-oxygen injection system data. This analysis was performed for the BBMW-25, GM-05 and GMP-01 well clusters as these are the only well locations within the OU-2 plume downgradient of the Montauk Highway injection line with sufficient pre-oxygen injection system data available. Well cluster BBMW-25 is located immediately downgradient of the Montauk Highway injection line. Well clusters GM-05 and GMP-01 are located approximately 1,000 feet downgradient of the Montauk Highway injection line, just upgradient of the Manatuck Lane injection line. Only one sampling event (August 2005) was conducted prior to start-up of the oxygen injection system (January 2006) at the OU2MW-01, 03, 04, 05 and 09 well clusters. Well clusters OU2MW-11, 14, 15 and 16 were installed and first sampled in Q3 2007.

The tables below present the post-oxygen injection system concentrations and the pre-oxygen injection mean concentration and standard deviation for BTEX and PAHs for each well.

Well No.	Total BTEX Concentrations (ug/L)											
	Post-Oxygen Injection Sampling Date										Pre-Oxygen Injection Mean	Pre-Oxygen Injection Standard Deviation
	2006 March	2006 June	2006 Jul/ Aug	2006 Nov/ Dec	2007 Mar/ Apr	2007 May-July	2007 Jul/ Sept	2007 Nov/ Dec	2008 Feb	2008 June		
BBMW-25S	0	0	0	0	0	0	0	0	2	0	5	17
BBMW-25I	264	0	79	344	0	148	252	41	158	169	1,106	515
BBMW-25D	11	21	78	76	0	0	16	6	2	6	51	32
GM-05D	0	--	--	--	0	0	0	0	4	0	0	0
GM-05I	0	--	--	--	0	0	13	0	0	0	0	1
GM-05S	140	21	0	12	0	0	0	14	185	55	117	138
GMP-01	0	--	--	--	0	0	0	135	182	94	883	820

Well No.	Total PAH Concentrations (ug/L)											
	Post-Oxygen Injection Sampling Date										Pre-Oxygen Injection Mean	Pre-Oxygen Injection Standard Deviation
	2006 March	2006 June	2006 Jul/ Aug	2006 Nov/ Dec	2007 Mar/ Apr	2007 May-July	2007 Jul/ Sept	2007 Nov/ Dec	2008 Feb	2008 June		
BBMW-25S	0	0	0	0	0	0	10	1	0	0	4	8
BBMW-25I	1,560	0	37	488	11	78	457	2	181	48	5,965	2,043
BBMW-25D	308	125	160	384	0	0	3	0	0	0	526	559
GM-05D	0	--	--	--	0	0	0	0	0	0	4	11
GM-05I	0	--	--	--	0	0	7	0	0	0	7	16
GM-05S	34	0	0	0	0	0	0	13	25	30	518	646
GMP-01	9,385	9,261	5,555	3,936	4,019	5,506	159	4,428	3,967	2,020	2,433	2,928

All of the Q2 2008 total BTEX and total PAH concentrations are below the pre-oxygen injection system mean total BTEX and mean total PAH concentrations. All of the 2006, 2007 and 2008 post-oxygen injection total BTEX concentrations for wells BBMW-25S, BBMW-25I and GMP-01 were below the mean total BTEX pre-oxygen injection concentrations. The BTEX concentration in GM-05I was below detection limits for all post-oxygen injection sampling events with the exception of Q3 (July/September) 2007.

All of the post-oxygen injection PAH concentrations for wells BBMW-25S, I, D, and GM-05S, I, D were below the mean pre-oxygen injection system PAH concentration with the exception of the PAH concentration (10 ug/L) detected in BBWM-25S in Q3 2007.

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

Downgradient of Manatuck Lane Oxygen Injection Line

The following 17 wells are located downgradient of the Manatuck Lane oxygen injection line:

- GMP-02;
- GMP-04;
- OU2IW-01S;
- OU2MW-06 and 06S;
- OU2MW-07 and 07S;
- OU2MW-10S, I, and D;
- OU2MW-12S, I, I2 and D; and
- OU2MW-13S, I, and D.

As presented in subsection 3.1.3 above, 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. Plots of groundwater parameters and total BTEX and total PAH concentrations over time are presented in **Figure 7** for wells located downgradient of the Manatuck Lane injection line. The pre- and post-oxygen injection BTEX and PAH concentrations are presented in **Tables 3-9 and 3-10**, respectively.

The pre-treatment and post-treatment statistical trends were analyzed by calculating the standard deviation and mean BTEX and PAH concentrations for historical groundwater samples prior to initiation of oxygen injection system (prior to January 2006). The post-oxygen injection system data were then compared to two standard deviations from the mean pre-oxygen injection system data. This analysis was performed for wells GMP-02 and GMP-04 as these are the only well locations downgradient of the Manatuck Lane injection line with sufficient pre-treatment data available. Only one sampling event (August 2005) was conducted prior to start-up of the oxygen injection system (January 2006) at wells OU2MW-06 and OU2MW-07. Wells OU2IW-01S, OU2MW-06S, OU2MW-07S, OU2MW-10S, I, and D, OU2MW-11S, I, I2 and D, OU2MW-12S, I, I2 and D and OU2MW-13S, I, and D were first sampled in Q3 2007.

The tables below present the post-oxygen injection system concentrations and the pre-oxygen injection mean concentration, and standard deviations for BTEX and PAHs.

	Total BTEX Concentrations (ug/L)											
	Post-Oxygen Injection Sampling Date										Pre-Oxygen Injection Mean	Pre-Oxygen Injection Standard Deviation
	2006	2006	2006	2006	2007	2007	2007	2007	2008	2008		
Well No.	March	June	Jul/ Aug	Nov/ Dec	Mar/ Apr	May-July	July/ Sept	Nov/ Dec	Feb	May/ June		
GMP-02	151	11	12	0	0	0	0	0	3	4	997	708
GMP-04	242	83	242	280	652	24	295	264	15	0	320	430

Well No.	Total PAH Concentrations (ug/L)											
	Post-Oxygen Injection Sampling Date										Pre-Oxygen Injection Mean	Pre-Oxygen Injection Standard Deviation
	2006 March	2006 June	2006 Jul/ Aug	2006 Nov/ Dec	2007 Mar/ Apr	2007 May-July	2007 July/ Sept	2007 Nov/ Dec	2008 Feb	2008 May/ June		
GMP-02	0	0	10	11	0	0	0	0	0	0	4,559	2,179
GMP-04	41	22	573	232	1,380	39	1,523	1,467	1	0	489	515

GMP-02 is located immediately downgradient of the Manatuck Lane oxygen injection line. Both BTEX and PAH concentrations have been reduced significantly since the implementation of the oxygen injection at this location. The post-oxygen injection BTEX concentration has been below the mean pre-oxygen injection system concentration for each of the ten post-oxygen injection sampling rounds. The post-oxygen injection PAH concentration at GMP-02 has been greater than two standard deviations below the pre-oxygen injection PAH mean concentration for each of the ten post-oxygen injection sampling rounds and has not been present above detection limits for eight of these ten rounds.

GMP-04 is located approximately 100 feet downgradient of the Manatuck Lane oxygen injection line. The post-oxygen injection BTEX concentration has been lower than the mean pre-oxygen injection BTEX concentration for eight of the nine post-oxygen injection sampling rounds at GMP-04 and was not present above detection limits in Q2 2008. The post-oxygen injection PAH concentration at GMP-04 has been lower than the mean pre-oxygen injection PAH concentration for six of the ten post-oxygen injection sampling rounds and was not present above detection limits in Q2 2008.

The pre-oxygen injection BTEX concentrations were 1,085 ug/L and 59 ug/L at OU2MW-06 and OU2MW-07, respectively. The Q2 2008 BTEX concentration was 3 ug/L in both OU2MW-06 and OU2MW-07. BTEX has not been present above detection limits at five of the ten post-oxygen injection sampling rounds at OU2MW-06 and four of the ten post-oxygen injection sampling rounds at OU2MW-07.

The pre-oxygen injection PAH concentrations were 9,241 ug/L and 66 ug/L in OU2MW-06 and OU2MW-07, respectively. PAHs have not been present above detection limits in seven of the ten post-oxygen injection sampling rounds at OU2MW-06 and eight of the ten post-oxygen injection sampling rounds at OU2MW-07.

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

3.2.5 Future Plans

- Continue annual and quarterly groundwater monitoring at selected wells.

4. Operable Unit 3 – Brightwaters Yard & Groundwater Plume

4.1 Oxygen Injection Systems

4.1.1 Program Scope and Purpose

Two oxygen injection groundwater treatment systems have been installed at the Site to mitigate dissolved-phase groundwater impacts migrating from the OU-3 Brightwaters Yard to O-Co-Nee Pond. The first system was installed in Q3 2000, as part of an IRM at the intersection of Union Boulevard and Lanier Lane. This treatment system consists of one injection line intended to reduce the concentrations of MGP-related contaminants in groundwater prior to discharge into 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 consists of three injection lines intended to reduce the concentrations of MGP-related contaminants in groundwater leaving the Site boundary.

4.1.2 Current Site Activity

The following OU-3 oxygen injection system monitoring and system operation activities were performed in Q2 2008.

- **Monthly Groundwater Parameter Monitoring:** On a monthly basis, ten groundwater monitoring wells downgradient of the oxygen injection systems (MW-65, MW-75, MW-82, PDMW-01, IO-10, MW-34S, MW034I, MW-34D, MW-46WR, and MW-70/70S) are monitored for DO, ORP, pH, Conductivity, and Temperature. Monthly Groundwater Parameter Monitoring was completed at these wells on the following dates:

    - April 23, 24, 2008
    - May 27, 28, 29, 2008
    - June 25, 26, 28, 2008

- **System Operation Monitoring:** The groundwater treatment systems are monitored on a monthly basis to ensure effective continued operation. During each monitoring event, system parameters relating to system operational and equipment readiness are recorded and adjusted as necessary to optimize system performance. System Operation Monitoring was completed for the Brightwaters Yard System and the Union Boulevard System on following dates:

- April 8, 2008
- June 3, 4, 2008
- July 2, 9, 2008

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

4.1.3 Oxygen Injection System OM&M Data

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

- **Table 4-1 Summary Groundwater Parameter Data – Union Boulevard Oxygen Injection System** – provides the historic conductivity, DO, ORP, pH and temperature data for wells downgradient of the Union Boulevard oxygen injection system. The data provided on this table indicate that for Q2 2008:

  - DO concentrations remained elevated in downgradient monitoring wells IO-10, MW-46/WR, and MW-70/70S. DO concentrations ranged between 17 and 35 mg/L at these locations;
  - ORP remained elevated in downgradient monitoring wells IO-10, MW-46/WR, and MW-70/70S. ORP ranged between -55 and 213 mV at these locations;
  - pH has remained consistent, pH ranged between 5.82 and 8.15 SU in downgradient monitoring wells;
  - Conductivity in downgradient monitoring wells has remained consistent. Conductivity ranged between 0.265 and 0.484 mS/cm; and
  - Temperature data remained consistent for typical Q2 conditions.

- **Table 4-2 Summary Groundwater Parameter Data – Brightwaters Yard Oxygen Injection System** – provides the historic conductivity, DO, ORP, pH and temperature data for wells downgradient of the Brightwaters Yard oxygen injection system. The data provided on this table indicate that for Q2 2008:

  - DO concentrations remained elevated in downgradient monitoring wells MW-65, MW-78, MW-79, MW-82, MW-83, PDMW-01. DO concentrations ranged between 5 and 34 mg/L at these locations;
  - ORP remained elevated in downgradient monitoring wells MW-65, MW-78, MW-79, MW-82, MW-83, PDMW-01. ORP ranged between -24 and 188 mV at these locations;

- pH has remained consistent, pH ranged between 5.6 and 8.03 SU in downgradient monitoring wells;
- Conductivity in downgradient monitoring wells has remained consistent. Conductivity ranged between 0.164 and 0.489 mS/cm; and
- Temperature data remained consistent for typical Q2 conditions.

- **Table 4-3 Summary of Heterotrophic Plate Count Results** – provides a summary of heterotrophic plate count results for select wells located downgradient of the OU-3 oxygen injection systems.

- **Appendix C, OU-3 Oxygen Injection System OM&M Data** – provides data collected during system operation monitoring. Table C-1 provides the Union Boulevard oxygen injection system operational data and Table C-2 provides the Brightwaters Yard oxygen injection system operational data.

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

  - Approximately 374 lbs of oxygen were injected during Q2 2008.
  - A total of 3,352 lbs of oxygen have been injected since the initial start-up period.
  - The system operated for all 91 days during Q2 2008.

  The results provided in Table C-2 for the Brightwaters Yard system indicate:

  - Approximately 464 lbs of oxygen were injected during Q2 2008.
  - A total of 5,816 lbs of oxygen have been injected since the initial start-up period.
  - The system operated for all 91 days during Q2 2008.

- **Figure 8 Union Boulevard Oxygen Injection System Groundwater Data** – provides graphical depiction of DO measurements, total BTEX and total PAH concentrations over time for wells located downgradient of the Union Boulevard oxygen injection system. Decreases in total BTEX and total PAH concentrations are noticed historically in monitoring wells (MW-46WR, IO-10, and MW-34I) in the vicinity of the Union Boulevard injection system. Further groundwater trend analysis is discussed in subsection 4.2.4.1.

- **Figure 9 Brightwaters Yard Oxygen Injection System Groundwater Data** – provides graphical depiction of DO measurements, total BTEX and total PAH concentrations over time for wells located downgradient of the Brightwaters Yard oxygen injection system. Potential impacts on the LIRR property make it difficult to

evaluate the effectiveness of the Brightwaters Yard oxygen injection system. However, decreases in total BTEX concentrations are apparent at monitoring wells (MW-75 and MW-82) since Q2 2005. Further groundwater trend analysis is discussed in subsection 4.2.4.1.

4.1.4 Future Plans

- Monthly system checks, groundwater monitoring and quarterly COC sampling.
- Weekly system checks will be made with qualified field staff.
- The systems operational status will be checked by phone on a weekly basis.
- A mechanic will conduct all labor intensive maintenance on the systems.

4.2 Groundwater Monitoring

4.2.1 Program Scope and Purpose

Groundwater monitoring is conducted within OU-3 to monitor the groundwater plume, to evaluate the effectiveness of remedial activities and the effectiveness of the oxygen injection systems, and to aid in remedy planning. There are currently 68 monitoring wells located on OU-3. The well locations and geographic boundaries of OU-3 are illustrated on **Figure 1**. The number of wells sampled each quarter is determined based on previous analytical data and discussions with NYSDEC.

4.2.2 Current Site Activity

The following groundwater monitoring activities took place in OU-3 during Q2 2008.

- Depth to groundwater measurements were obtained on April 30 and 31, 2008 from 35 monitoring wells located within and sidegradient of OU-3.
- The surface water elevation was obtained April 30, 2008 from a surface water gauge located within the headwaters of O-Co-Nee Pond (BBSW-13).
- Groundwater samples were collected from 48 monitoring wells located within OU-3 on May 5, 6, 9 and 13 through 21, 2008; and June 3, 4, 5, 9, 11, and 23, 2008. Twenty-four (24) of the groundwater samples were analyzed for BTEX and MTBE via EPA method 8260 and PAHs via EPA Method 8270, and 24 of the groundwater samples were analyzed for an expanded list of VOCs (EPA Method 8260) and PAHs (EPA Method 8270).

4.2.3 Groundwater Elevation Data

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

- **Table 4-4 Water Level Measurements and Calculated Groundwater Elevations** – provides depth to water measurements and calculated groundwater and surface water elevation data for OU-3 wells measured in Q2 2008.
- **Table 4-5 Historic Calculated Groundwater Elevations** – provides historic groundwater elevations for OU-3 for existing groundwater wells.
- **Figure 4** – **Shallow Groundwater Contour Map** – provides the Q2 2008 shallow groundwater elevation contours for OU-1, OU-2, OU-3 and OU-4.
- **Figure 5** – **Deep Groundwater Contour Map-** provides the Q2 2008 deep groundwater elevation contours for OU-1, OU-2, OU-3 and OU-4.

The groundwater flow direction is toward the south/southeast. The shallow groundwater hydraulic gradient in OU-3 is approximately 0.0044 feet/foot. The deep groundwater hydraulic gradient ranged from approximately 0.0031 to 0.0036 feet/foot. The groundwater elevation in OU-3 monitoring wells during the Q2 2008 event were an average of 0.46 feet higher than the Q1 2008 groundwater elevations and an average of 0.27 feet lower than the Q2 2007 groundwater elevations.

4.2.4 Groundwater Analytical Data

The OU-3 groundwater analytical data is presented in the following tables.

- **Table 4-6 Summary of Historic Total BTEX Groundwater Analytical Results -** presents a summary of historical total BTEX results for existing OU-3 groundwater monitoring wells.
- **Table 4-7 Summary of Historic Total PAH Groundwater Analytical Results** – presents a summary of historical total PAH results for existing OU-3 groundwater monitoring wells.
- **Table 4-8 Summary of BTEX, MTBE and PAH Groundwater Analytical Results** – provides the Q2 2008 groundwater analytical results for monitoring wells located in OU-3 for each compound detected during the Q2 2008 sampling event.
- **Table 4-9 Summary of Expanded Groundwater Analytical Results** – provides the Q2 2008 groundwater analytical results for monitoring wells located in OU-3 for each compound detected during the Q2 2008 sampling event.

4.2.4.1 Groundwater Analytical Data Trend Analysis

The groundwater analytical data were reviewed to identify any trends in data between samples collected during similar seasonal periods in previous years and any long term trends. In addition, analysis of the data has been separated into three areas: (1) the Brightwaters East Parcel (former underground storage tank area) and areas upgradient of the Brightwaters Yard oxygen injection system; (2) areas downgradient of the Brightwaters Yard oxygen injection system including on-site wells and the area between the Site and Union Boulevard; and (3) the area downgradient of the Union Boulevard oxygen injection system between Union Boulevard and O-Co-Nee Pond.

A comparison of the previous Q2 data to the Q2 2008 data is presented below for each of the three areas. Where sufficient data were available, the standard deviation was calculated for historical Q2 concentrations (exclusive of the Q2 2008 data). The Q2 2008 data was then compared to two standard deviations from the mean. The range of data depicted within two standard deviations from the mean should include 75% of all concentrations recorded for the individual well (Chebyshev's inequality or Chebyshev's theorem). Concentrations that fall outside of this range would represent a significant variation in total BTEX or PAH concentrations.

Brightwaters East Parcel (Former UST Area)

The results of the statistical analysis for total BTEX and total PAHs for all groundwater samples collected from monitoring wells located on the Brightwaters East Parcel (Former UST Area) and upgradient of the Brightwaters Yard oxygen injection system are provided below. The following tables present a summary of the Q2 2008 total BTEX and total PAH concentrations, the historical Q2 standard deviation (exclusive of Q2 2008 data), historical Q2 mean (exclusive of Q2 2008 data) and the resultant statistical range (the mean concentration plus or minus 2 standard deviations).

Well No.	Screen Interval (ft-bgs)	Q2 2008	Historical Q2 Mean	Historical Q2 Standard Deviation	Statistical Q2 Range	
					Minimum	Maximum
		Total BTEX Concentration (ug/L)				
BBMW-09S	5.0 - 15.0	0	0	1	-1	2
MW-01S	4.0 -14.0	0	0	0	0	0
MW-03	4.94 - 14.94	5	26	15	-4	57
MW-04	5.1 - 15.1	0	0	1	-1	2
		Total PAH Concentration (ug/L)				
BBMW-09S	5.0 - 15.0	0	17	40	-64	97
MW-01S	4.0 -14.0	0	0	0	0	0
MW-03	4.94 - 14.94	0	33	29	-26	92
MW-04	5.1 - 15.1	0	13	34	-54	81

BTEX was detected at only one location upgradient of the Brightwaters yard oxygen injection system, monitoring well MW-03, in Q2 2008. The total BTEX concentration

detected at MW-03 was lower than the historical Q2 mean concentrations, but was within two standard deviations of the historical Q2 mean concentrations.

PAHs were not present above detection limits at any of the monitoring wells sampled during Q2 2008 upgradient of the Brightwaters yard oxygen injection system with the exception of 1 ug/L total PAHs detected at MW-UST11.

All of the Q2 2008 total BTEX and total PAH concentrations fell within two standard deviations from their historical mean concentration when the same analysis is performed on the entire upgradient data set, independent of the quarter the data was collected (**Tables 4-6 and 4-7**).

Downgradient of the Brightwaters Yard Oxygen Injection System

The oxygen injection system on the Brightwaters Yard site consists of three injection lines installed parallel to the LIRR property. As discussed in subsection 4.1.3, the oxygen injection system has begun to affect groundwater concentrations downgradient of the injection lines. However, the impacted material observed beneath the LIRR property may be contributing to groundwater impacts downgradient of the treatment system making evaluation of the system effectiveness difficult. The groundwater analytical trends as they relate to observed groundwater quality parameters and system effectiveness are discussed in subsection 4.1.3. A statistical analysis of overall groundwater quality trends downgradient of the treatment system is provided below.

The effectiveness of the Brightwaters Yard oxygen injection system was evaluated by calculating the total BTEX and total PAH pre-oxygen injection mean concentration and standard deviation using all available data prior to January 2005. The total BTEX and total PAH post-oxygen injection system data were then compared to the mean pre-oxygen injection system concentrations for wells located downgradient of the Brightwaters Yard system and upgradient of the Union Boulevard system.

The 2006, 2007 and 2008 post-oxygen injection system total BTEX concentrations and the calculated mean pre-oxygen injection system total BTEX concentration and standard deviation are presented in the table below for wells located downgradient of the Brightwaters Yard oxygen injection system and upgradient of the Union Boulevard oxygen injection system.

Well No.	Total BTEX Concentrations (ug/L)											
	Post-Oxygen Injection Sampling Date											
	2006	2006	2006	2006	2007	2007	2007	2007	2008	2008	Pre-Oxygen Injection	
	March	June	Jul/ Aug	Nov/ Dec	Mar/ Apr	May-July	July/ Sept	Nov/ Dec	Feb	May/ June	Mean	Standard Deviation
MW-02I/I-R	0	--	--	--	0	0	0	0	0	0	20,556	68,771
MW-02S/S-R	945	51	0	68	346	625	1,695	248	27	1	129,590	61,095
MW-16I	0	--	--	--	0	103	0	59	84	17	12	18
MW-16SR	42,100	15,000	17,900	18,600	12,250	6,050	15,870	20,770	36,270	11,710	34,865	31,027
MW-45W	14,600	2,214	1,720	5,770	3,200	43,400	1,236	0	3,600	5,690	7,058	13,367
MW-46W/W-R	17,110	7,270	2,750	2,330	1,256	3,810	915	0	8,130	1,664	25,777	11,707
MW-64	19	0	0	0	0	0	0	0	0	0	3,867	17,351
MW-65	0	0	0	0	0	0	0	0	4	0	190	839
MW-73	8,460	14,520	36,200	15,070	18,700	22,500	15,300	14,000	12,800	5,970	33,838	27,348
MW-75	5,389	1,540	3,600	491	580	355	9,420	2,254	268	1,802	33,748	51,636
MW-76	27	0	0	0	0	0	4	7	2	0	735	1,494
MW-78	5,900	4,710	18,100	4,080	2,320	3,050	2,480	2,270	54	167	13,982	11,831
MW-79	3,740	3,320	1,220	7,690	13,900	2,840	2,030	542	3,160	32	58,278	41,064
MW-80	44,000	38,700	6,170	41,100	148,000	26,100	41,000	106,000	3,220	18,700	57,915	45,992
MW-81	5,000	9,510	3,499	16,900	65,800	16,100	36,300	61,800	8,690	1,080	25,657	20,766
MW-82	44,200	30,000	43,400	21,800	7,144	14,460	4,338	17,989	1,164	2,254	37,813	67,309
MW-83	101	0	5,042	161	41	2,320	6,761	39	36	0	389	557
PDMW-01	0	0	0	0	0	0	0	70,920	0	0	8,127	11,618
PDMW-02	19,500	85,100	67,500	98,000	62,700	79,700	68,020	84,400	70,570	65,260	83,073	19,831
SV-02	1,600	32	27,400	42	0	0	26,000	0	0	0	13,940	32,522
SV-03	570	257	831	116	65	207	185	341	105	477	8,383	10,475

Shaded indicates BTEX value outside of calculated statistical range.

The total BTEX concentration for each of the 2006, 2007 and 2008 post-oxygen injection system quarterly sampling events was below the mean pre-oxygen injection system total BTEX concentration in wells MW-2I/IR, MW02S/SR, MW-46W/WR, MW-64, MW-65, MW-75, MW-76, MW-79 and SV-03. The Q2 2008 total BTEX concentration was below the mean pre-oxygen injection concentration in all wells except MW-16I.

The 2006, 2007 and 2008 post-oxygen injection system total PAH concentrations and the calculated mean pre-oxygen injection system total PAH concentration and standard deviation are presented in the table below for wells located downgradient of the Brightwaters Yard oxygen injection system and upgradient of the Union Boulevard oxygen injection system.

Well No.	Total PAH Concentrations (ug/L)											
	Post-Oxygen Injection Sampling Date										Pre-Oxygen Injection Mean	Pre-Oxygen Injection Standard Deviation
	2006 March	2006 June	2006 Jul/ Aug	2006 Nov/ Dec	2007 Mar/ Apr	2007 May-July	2007 July-Sept	2007 Nov/ Dec	2008 Feb	2008 May/ June		
MW-02I/I-R	0	--	--	--	0	0	0	0	0	0	555	1,865
MW-02S/S-R	0	0	0	0	0	0	0	0	0	0	4,258	5,705
MW-16I	0	--	--	--	0	44	0	0	0	0	2	5
MW-16SR	2,183	1,870	1,056	676	842	232	280	579	922	355	4,032	7,820
MW-45W	895	74	40	233	--	0	10	9	0	0	221	425
MW-46W/W-R	544	50	233	192	37	71	47	74	102	24	823	1,175
MW-64	0	0	0	0	0	0	0	0	0	0	77	319
MW-65	0	0	0	0	0	0	0	0	0	0	50	118
MW-73	575	669	1,100	545	497	345	495	1,189	444	105	967	517
MW-75	100	56	55	0	0	0	180	47	0	0	681	1,021
MW-76	14	0	0	0	0	0	0	0	0	0	70	56
MW-78	445	493	616	0	0	46	40	31	0	0	511	409
MW-79	281	103	41	0	140	0	0	0	90	1	1,477	1,693
MW-80	1,200	694	258	1,480	831	601	884	1,173	277	509	1,260	773
MW-81	487	274	2,700	807	1,068	448	1,130	1,508	480	0	1,136	791
MW-82	1,140	837	1,137	150	234	286	127	306	0	1	826	1,039
MW-83	0	0	230	0	0	0	0	2	0	0	76	67
PDMW-01	0	0	0	0	0	0	0	1,464	0	0	1,787	3,809
PDMW-02	2,013	2,420	2,119	3,022	2,716	2,520	1,241	1,976	3,025	2,226	2,453	1,241
SV-02	0	0	35	0	0	0	133	0	0	3	137	169
SV-03	96	57	0	0	17	0	31	72	17	0	250	163

The total PAH concentration for each of the four 2006, 2007 and 2008 post-oxygen injection system quarterly sampling events was below the mean pre-oxygen injection system total PAH concentration in wells MW-2I/IR, MW02S/SR, MW-16SR, MW-46W/WR, MW-64, MW-65, MW-75, MW-76, MW-79, PDMW-01, SV-02 and SV-03. The Q2 2008 total PAH concentration was below the mean pre-oxygen injection PAH concentration in all of the wells located downgradient of the Brightwaters Yard oxygen injection system and upgradient of the Union Boulevard oxygen injection system.

As presented in subsection 4.1.3 above, decreases of MGP-related contaminants have been observed in monitoring wells located downgradient of the Brightwaters Yard oxygen injection system at wells where effects of the oxygen injection system have been noted. Plots of groundwater parameters and total BTEX and total PAHs concentrations over time are presented in **Figure 9** for wells located downgradient of the Brightwaters Yard injection systems.

Downgradient of Union Boulevard Oxygen Injection System

The oxygen injection system located along Union Boulevard consists of one injection line installed on the downgradient side of Union Boulevard (**Figure 1**). The oxygen injection system has affected groundwater concentrations downgradient of the injection lines, but past system component failures have reduced the overall system efficiency. New OM&M procedures have increased system efficiency over the last six quarters (since Q1 2007). The groundwater analytical trends as they relate to observed groundwater quality parameters and system effectiveness are discussed in subsection 4.1.3 and presented on **Figure 8**. A statistical analysis of overall groundwater quality trends downgradient of the Union Boulevard oxygen injection system is provided below.

Where sufficient data were available, the standard deviation was calculated for historical Q2 groundwater sample concentrations (exclusive of the Q2 2008 data). The Q2 2008 data were then compared to two standard deviations from the mean for both the previous Q2 events and the entire OU-3 data set of the area from Union Boulevard to O-Co-Nee Pond.

The following tables present a summary of the Q2 2008 total BTEX and total PAH concentrations, the historical Q2 standard deviation (exclusive of Q2 2008 data), historical Q2 mean (exclusive of Q2 2008 data) and the resultant statistical range (the mean concentration plus or minus 2 standard deviations).

Well No.	Screen Interval (ft-bgs)	Q2 2008	Historical Q2 Mean	Historical Q2 Standard Deviation	Statistical Q2 Range	
					Minimum	Maximum
		Total BTEX Concentration (ug/L)				
BBMW-29	2.0 - 9.0	0	45	77	-110	199
IO-10	6.0 - 16.0	73	1,418	2,645	-3,873	6,708
MW-11W	2.0 - 10.0	77	2,056	2,399	-2,742	6,854
MW-12W	2.0 - 10.0	0	0	0	0	0
MW-30W/W-R	2.0 - 10.0	0	1,974	4,784	-7,594	11,543
MW-32W/W-R	2.0 - 10.0	57	6,197	7,201	-8,206	20,599
MW-34D	27.5 - 28.5	0	7	16	-24	38
MW-34I	18.5 - 19.5	0	739	1,650	-2,561	4,038
MW-34S	2.0 - 10.0	25,870	14,546	10,682	-6,817	35,910
MW-70/70S	2.0 - 12.0	7,750	10,861	17,554	-24,248	45,970
MWBS-02D	24.5 - 25.5	0	6	11	-16	27
MWBS-02I	14.5 - 15.5	0	113	218	-323	548
MWBS-02S	5.0 - 15.0	0	144	316	-488	776

The Q2 2008 BTEX concentration was below the historic Q2 mean BTEX concentrations for all wells located downgradient of the Union Boulevard oxygen injection system with the exception of MW-34S. The Q2 2008 BTEX concentration was within two standard deviations of the historic Q2 mean concentration at MW-34S indicating no significant increase in BTEX concentrations.

Well No.	Screen Interval (ft-bgs)	Q2 2008	Historical Q2 Mean	Historical Q2 Standard Deviation	Statistical Q2 Range	
					Minimum	Maximum
		Total PAH Concentration (ug/L)				
BBMW-29	2.0 - 9.0	0	96	136	-176	368
IO-10	6.0 - 16.0	4	179	300	-422	780
MW-11W	2.0 - 10.0	0	243	282	-320	806
MW-12W	2.0 - 10.0	0	0	0	0	0
MW-30W/W-R	2.0 - 10.0	0	164	303	-442	770
MW-32W/W-R	2.0 - 10.0	38	230	263	-295	756
MW-34D	27.5 - 28.5	0	0	1	-1	2
MW-34I	18.5 - 19.5	0	47	88	-129	222
MW-34S	2.0 - 10.0	186	373	465	-556	1,302
MW-70/70S	2.0 - 12.0	25	60	87	-114	235
MWBS-02D	24.5 - 25.5	0	0	0	0	0
MWBS-02I	14.5 - 15.5	0	164	267	-371	699
MWBS-02S	5.0 - 15.0	7	41	54	-68	149

The Q2 2008 PAH concentrations were below the historic Q2 mean PAH concentrations for all wells located downgradient of the Union Boulevard oxygen injection system.

When the same analysis was performed on the entire data set, independent of the quarter the data was collected, the Q2 2008 total BTEX and total PAH concentrations fell within two standard deviations of the historical mean concentration for all of the wells located downgradient of the Union Boulevard oxygen injection system (**Tables 4-6 and 4-7**).

The above analysis indicate that reductions in BTEX and PAH concentrations have been observed in wells affected by the oxygen injection systems. The BTEX and PAH concentrations have remained consistent in the majority of the remaining wells. The variations in BTEX and PAH concentrations may be attributed to the remaining source material downgradient of the Brightwaters Yard oxygen injection system on the Brightwaters Yard property and within the LIRR right-of-way.

The concentrations of PAHs at MWBS-02I and MWBS-02D, in the vicinity of the O-Co-Nee Pond discharge point have been below detection limits for five consecutive quarters. PAHs were detected in Q1 2007 at a concentration of 10 ug/L in MWBS-02I and 22 ug/L in MWBS-02D. PAHs have been below detection limits at MWBS-02S for eleven consecutive quarters prior to Q2 2008. PAHs (7 ug/L total PAHs) were detected in MWBS-02S in Q2 2008.

BTEX has been not been present above detection limits at MWBS-02I for 16 consecutive quarters. BTEX has been non-detect at MWBS-02S for 11 of the last 12 consecutive quarters. BTEX was detected in MWBS-02S at a concentration of 8 ug/L in Q4 2007. BTEX was not present above detection limits in MWBS-02D in Q2 2008 and for four consecutive quarters prior to Q1 2008. Total BTEX at a concentration of 17 ug/L was

detected in MWBS-02D in Q1 2008. These wells will continue to be monitored on a quarterly basis.

4.2.5 Future Plans

- Continue annual and quarterly groundwater monitoring at selected wells.
- Continue monthly performance monitoring at selected wells located downgradient of the Brightwaters Yard in proximity to the oxygen injection systems.

4.3 Institutional Controls/Engineering Controls (IC/EC)

- There has been no activity this quarter.

5. Soil Vapor and Ambient Air Sampling

5.1 Program Scope and Purpose

National Grid has conducted twelve soil vapor and ambient air sampling events to evaluate the potential contribution of COCs from the OU-2 dissolved phase groundwater plume to soil vapor. The twelve sampling events were completed between May 2005 and July 2008. The first five sampling events (Q2 2005 through Q3 2006) were conducted using temporary soil vapor drive points in accordance with the NYSDEC-approved *Soil Gas Sampling Work Plan for the OU-2 Treatment Area*, dated May 15, 2005. Based on the soil vapor and equipment blank analytical results presented in the Q3 2006 OM&M report, all future sampling events were conducted using permanent soil vapor points in accordance with the NYSDEC-approved *Permanent Soil Vapor Point Installation Final Work Plan, Operable Unit No. 2 (OU-2) and Operable Unit No. 3 (OU-3), Bay Shore/Brightwaters Former Manufactured Gas Plant Site,* dated January 31, 2007 (GEI, 2007b).

5.2 Current Site Activity

The following soil vapor and ambient air sampling activities were conducted as part of the Q2 2008 OM&M.

- Thirty-seven samples were collected from 30 soil vapor locations and four ambient air locations were sampled in Q2 2008. Sampling events were conducted on:
    - June 13, 2008 (One sample)
    - June 18-20, 2008 (Seventeen samples)
    - June 23-25, 2008 (Nineteen samples)
- The soil vapor and ambient air sample locations represent 11 distinct areas as described below.

Soil Vapor/Ambient Air Sample Areas	Soil Vapor/Ambient Sample IDs
Upgradient of Operable Unit No. 1	OU1SG06, OU1SG07, OU1SG08
Upgradient of OU-1 Oxygen Injection System	OZSG04, OZSG05
Downgradient of OU-1 Oxygen Injection System	OZSG01, OZSG02, OZSG03[1]
Upgradient of Montauk Highway along Union Boulevard, North Clinton Avenue, Copper Lane, and South Union Boulevard	OU2SG12, OU2SG14, OU2SG15, OU2SG16, OU2SG17, OU2SG18, OU2SG22, OU2SG23, Ambient Air OU2AA04
Upgradient of the Montauk Highway Oxygen Injection Line	OU2SG24, OU2SG06
Directly Downgradient of the Montauk Highway Oxygen Injection Line	OU2SG05, OU2SG10, OU2SG01, OU2SG02 Ambient Air OU2AA01 and OU2AA02
Downgradient of the Montauk Highway Oxygen Injection Line and Upgradient of the Manatuck Lane Oxygen Injection Line	OU2SG03, OU2SG04, OU2SG07 Ambient Air OU2AA03
Downgradient of the Manatuck Lane Oxygen Injection Line	OU2SG08, OU2SG09 Ambient Air OU2AA03
Sidegradient of the Manatuck Lane Oxygen Injection Line along Garner Lane	OU2SG13[2]
Downgradient of the Brightwaters Yard Oxygen Injection System and Upgradient of the Union Boulevard Oxygen Injection System	OU3SG01
Background Location on Lawrence Lane, West of Lawrence Lake and Outside the Influence of the OU-2 and OU-3 groundwater plumes	OU2SG11

Notes:

1. OZSG03 was destroyed during the installation of the barrier wall on OU-1 and was replaced at the completion of construction activities.
2. OU2-SG13 was damaged during Q2 2007 and was replaced prior to the Q3 2007 sampling event.

5.3 Soil Vapor and Ambient Air Sampling Data

The Q2 2008 soil vapor and ambient air data are provided on the following tables and appendices.

- **Table 5-1 Summary of Soil Vapor Results for OU-1, OU-2 and OU-3** – presents the historical soil vapor data from the 30 permanent soil vapor points and the soil vapor data from the 33 samples collected during Q2 2008.
- **Table 5-2 Ambient Air Analytical Data** – presents the historic and Q2 2008 ambient air data.
- **Appendix D, Soil Vapor Analytical Results** – contains historic graphs of the soil vapor concentrations of analytes detected at any soil vapor point, as well as BTEX and Naphthalene historic plots. The periods when the system was not in operation are highlighted on each graph.

Soil vapor concentrations have varied widely between 2005 and 2008 at all locations monitored. The variations in concentrations have occurred both before the system was installed and after the system was in operation. These fluctuations occurred in the areas downgradient of the oxygen injection lines, upgradient of the injection lines, and west of Lawrence Lake outside of the influence of the groundwater plume. During Q2 2008, the concentrations detected at each soil vapor point were generally consistent with previous sampling events with one exception. Q2 2008 concentrations of n-Octane were slightly elevated when compared to historic concentrations in many soil vapor points located throughout the community including those upgradient of the former MGP site.

Low concentrations of VOCs were detected in ambient air before and after start-up of the oxygen injection system. Ambient air concentrations have not varied significantly from quarter to quarter. Frequent detections (compounds detected in more than 30% of samples collected) have been limited to low concentrations of 25 VOCs: benzene, ethylbenzene, toluene, xylenes, acetaldehyde, acetone, acrolein, butane, 2-butanone, carbon tetrachloride, chloromethane, n-decane, dichlorodifluoromethane, ethanol, n-heptane, n-hexane, nonane, n-octane, pentane, 2-propanol, trichloro-1,2,2-trifluoroethane, trichlorofluoromethane, 1,2,4-trimethylbenzene, 2,2,4-trimethylpentane (TMP), and n-undecane. Benzene was detected in three of four ambient air samples in Q2 2008 at concentrations ranging between 0.77 micrograms per cubic meter (ug/m^3) at OU2AA04 located mid plume, and 1.8 ug/m^3 at OU2AA01 located adjacent to the Montauk Highway injection line. All detections were below the NYSDOH 95^{th} percentile of typical background values for outdoor air in the four ambient air samples (OU2AA01, OU2AA02, OU2AA03, and OU2AA04).

5.3.1 Soil Vapor Fate and Transport

The fate and transport of soil vapor in the subsurface is dependant 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 COCs 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.
- COCs 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 COCs would tend to remain in the dissolved phase and the lower the pressure, the more COCs 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 COCs 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 recent 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 COCs detected in soil vapor at the site.

Sample Date	Recent Precipitation Date	Magnitude of Precipitation (in/day)	Description of Significant Precipitation Events
5/5/05	4/30/05	1.12	April 2005 was a wetter than average month 4.87 in. recorded (normal 4.13 in.)
8/30/05	--	--	A four-month drought occurred in the summer of 2005
6/14/06	6/7/06	1.27	June 2006 was a wetter than average month 5.34 in. recorded (normal 3.71 in.)
9/7/06	8/25/06 8/27/06	1.58 2.19	August 2006 was a wetter than average month 5.58 in. recorded (normal 4.48 in.)
2/22/07	2/14/07	1.05	Winter Snow Storm
5/24/07	--	--	April 2007 was a wetter than average month 6.72 in. recorded (normal 4.13 in.)
7/25/07	7/18/07 7/22/07	3.34 0.92	Both events occurred during Week 2 of the Hydrologic Study
12/18-19/07	12/13/07 12/16/07	0.82 0.85	December 2007 was a wetter than average month 4.64 in. recorded (normal 4.13 in.)
2/6-7/08	2/6/08 2/7/08	0.07 0.14	February 2008 was a wetter than average month 6.21 in. recorded (normal 3.33 in.)
2/19/08	2/18/08	0.48	
3/17/08	3/15/08	0.25	March 2008 was a wetter than average month 5.89 in. recorded (normal 4.76 in.)
3/21/08	3/19/08 3/20/08	0.91 0.30	
3/26-27/08	--	--	
6/13/08	--	--	June 2008 was a dryer than average month 3.17 in. recorded (normal 3.71 in.)
6/18-20/08	8/16/08 8/18/08 8/20/08	0.16 0.15 0.12	
6/23-25/08	8/21/08 8/23/08	0.27 0.05	

5.4 Future Plans

- Continued quarterly soil vapor and ambient air sampling.

6. Operable Unit 4 – Watchogue Creek/Crum's Brook

6.1 Groundwater Monitoring

Program Scope and Purpose: Groundwater monitoring is conducted within OU-4 to aid in monitoring groundwater contamination, to evaluate the effectiveness of remedial activities and to aid in remedy planning. There were 43 monitoring wells located on OU-4 during the Q2 2008 sampling event. The well locations and geographic boundaries of OU-4 are illustrated on **Figure 1**. The number of wells sampled each quarter is determined based on previous analytical data and discussions with NYSDEC.

6.1.1 Current Site Activity

The following groundwater monitoring activities took place in OU-4 during Q2 2008.

- Depth to groundwater measurements were obtained on May 2, 2008 from 37 monitoring wells located within OU-4.
- The surface water elevation was obtained on May 2, 2008 from a surface water gauge located in Watchogue Creek/Crum's Brook at Union Boulevard.
- Groundwater samples were collected from 37 monitoring wells located within OU-4 on June 11, 12, 13 and 16 through 19, 2008. The groundwater samples were analyzed for an expanded list of VOCs (EPA Method 8260) and PAHs (EPA Method 8270).

6.1.2 Groundwater Elevation Data

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

- **Table 6-1 Water Level Measurements and Calculated Groundwater Elevations** – provides depth to water measurements and calculated groundwater and surface water elevation data for OU-4 wells measured in Q2 2008.
- **Table 6-2 Historic Calculated Groundwater Elevations** – provide historic groundwater elevations for OU-4 for existing groundwater wells.
- **Figure 4 – Shallow Groundwater Contour Map** – provides the Q2 2008 shallow groundwater elevation contours for OU-1, OU-2, OU-3 and OU-4.

- **Figure 5** – **Deep Groundwater Contour Map** – provides the Q2 2008 deep groundwater elevation contours for OU-1, OU-2, OU-3 and OU-4.

The groundwater flow direction is towards the southeast. The shallow groundwater hydraulic gradient at OU-4 is approximately 0.0028 feet/foot. The deep groundwater hydraulic gradient is approximately 0.0029 feet/foot. The groundwater elevation in OU-4 monitoring wells during the Q2 2008 event was an average of 0.55 feet higher than the Q1 2008 groundwater elevations and an average of 0.29 feet lower than the Q2 2007 groundwater elevations.

6.1.3 Groundwater Analytical Data

The OU-4 groundwater analytical data is presented on the following tables.

- **Table 6-3 Summary of Historic Total BTEX Groundwater Analytical Results** – presents a summary of historical total BTEX results for existing OU-4 groundwater monitoring wells.
- **Table 6-4 Summary of Historic Total PAH Groundwater Analytical Results** – presents a summary of historical total PAH results for existing OU-4 groundwater monitoring wells.
- **Table 6-5 Summary of Expanded Groundwater Analytical Results** – provides the Q2 2008 groundwater analytical results for monitoring wells located in OU-4 for each compound detected during the Q2 2008 sampling event.

6.1.4 Groundwater Analytical Data Trend Analysis

The groundwater analytical data were reviewed to identify any trends in data between samples collected during similar seasonal periods in previous years and any long term trends. Where sufficient data were available, the standard deviation was calculated for historical groundwater sample concentrations (exclusive of the Q2 2008 data). The Q2 2008 data was then compared to two standard deviations from the mean for both the previous Q2 events and the entire OU-4 data set.

The following tables present a summary of the Q2 2008 total BTEX and total PAH concentrations, the historical Q2 standard deviation (exclusive of Q2 2008 data), historical Q2 mean (exclusive of Q2 2008 data) and the resultant statistical range (the mean concentration plus or minus 2 standard deviations).

Well No.	Screen Interval (ft-bgs)	Q2 2008	Historical Q2 Mean	Historical Q2 Standard Deviation	Statistical Q2 Range	
					Minimum	Maximum
		Total BTEX Concentration (ug/L)				
WCMW-01D	64.0 - 72.0	0	0	0	0	0
WCMW-01I	35.0 - 45.0	0	0	0	0	0
WCMW-01S	2.0 - 12.0	0	1	2	-3	5
WCMW-02D	62.0 - 72.0	0	0	0	0	0
WCMW-02I	34.5 - 44.5	0	0	0	0	0
WCMW-02S	3.0 - 13.0	0	1	3	-4	7
WCMW-03I	19.4 - 24.4	0	0	0	0	0
WCMW-03I2	28.55 - 33.55	0	0	0	0	0
WCMW-03S	4.83 - 9.83	21	13	9	-5	30
WCMW-04I	19.0 - 24.0	0	0	0	0	0
WCMW-04S	1.5 - 11.5	22	8	7	-7	22
WCMW-05I	19.61 - 24.61	0	0	0	0	0
WCMW-05I2	29.46 - 34.46	0	0	0	0	0
WCMW-05S	1.4 - 11.4	0	0	0	0	0
WCMW-06I	19.55 - 24.55	0	0	0	0	0
WCMW-06S	2.0 - 12.0	0	0	0	0	0
WCMW-10S	15.0 - 20.0	0	0	0	0	0

Well No.	Screen Interval (ft-bgs)	Q1 2008	Historical Q1 Mean	Historical Q1 Standard Deviation	Statistical Q1 Range	
					Minimum	Maximum
		Total PAH Concentration (ug/L)				
WCMW-01D	64.0 - 72.0	0	23	32	-41	86
WCMW-01I	35.0 - 45.0	0	1	1	-2	3
WCMW-01S	2.0 - 12.0	9	71	109	-146	288
WCMW-02D	62.0 - 72.0	0	0	0	0	0
WCMW-02I	34.5 - 44.5	0	0	0	0	0
WCMW-02S	3.0 - 13.0	4	16	35	-55	86
WCMW-03I	19.4 - 24.4	134	1,384	342	700	2,068
WCMW-03I2	28.55 - 33.55	0	185	136	-87	458
WCMW-03S	4.83 - 9.83	12	268	82	103	432
WCMW-04I	19.0 - 24.0	66	118	79	-40	276
WCMW-04S	1.5 - 11.5	72	110	83	-56	275
WCMW-05I	19.61 - 24.61	153	281	51	178	383
WCMW-05I2	29.46 - 34.46	0	0	0	0	0
WCMW-05S	1.4 - 11.4	3	10	15	-19	39
WCMW-06I	19.55 - 24.55	0	0	0	0	0
WCMW-06S	2.0 - 12.0	4	0	0	0	0
WCMW-10S	15.0 - 20.0	0	0	0	0	0

Shaded value indicates value outside of calculated statistical range

All of the Q2 2008 total BTEX and total PAH concentrations in OU-4 fell within two standard deviations of the Q2 historical mean concentration indicating no significant variation in concentrations.

The Q2 2008 total BTEX and total PAH concentrations also fell within two standard deviations from their historical mean concentration when the same analysis was performed on the entire OU-4 data set, independent of the quarter the data was collected (**Tables 6-3 and 6-4**).

6.1.5 Future Plans

- Continue annual and quarterly groundwater monitoring at selected wells.

6.2 Institutional Controls/Engineering Controls (IC/EC)

- There has been no activity this quarter.

7. References

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Tables (electronic only)

Tables also available at www.bayshoreworksmgp.com

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

Date	DNAPL Thickness (feet)		DNAPL Removed	Event Description
	Initial	Final	(Gallons)	
9/14/2006	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
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
Total			243.66	

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.

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

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

Notes:
NO* = Not Observed
NM = Not Measured

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

Gauging Date Well I.D.:	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	9/21/2007	9/28/2007
NAPL Thickness (ft)															
RW - 01															
DTW:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
LNAPL:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
DNAPL:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
RW - 02															
DTW:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
LNAPL:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
DNAPL:	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'	7.8'	7.0'
RW - 03															
DTW:	6.7'	6.8'	6.7'	7.0'	NO ACCESS	NO ACCESS	7.2'	NO ACCESS	NO ACCESS	NO ACCESS	NO ACCESS	NO ACCESS	NO ACCESS	7.3'	7.4'
LNAPL:	NO*	NO*	NO*	NO*			NO*							NO*	NO*
DNAPL:	NO*	NO*	NO*	NO*			NO*							NO*	NO*
RW - 04															
DTW:	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'	10.6'	10.65'
LNAPL:	NO*	NO*	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*	NO*	NO*
RW - 05															
DTW:	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'	9.0'	6.1'
LNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
BBMW - 05D															
DTW:	NM	NM	NM	NM	NO ACCESS	11.2'	11.2'	11.1'	11.3'	11.1'	11.4'	11.6'	11.7'	11.8'	11.9'
LNAPL:	NM	NM	NM	NM		<0.1'	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	NM	NM	NM	NM		NO*	<0.1'	<0.1'	<0.1'	<0.1	<0.1'	NO*	NO*	NO*	NO*
BBMW - 20D															
DTW:	NM	NM	NM	NM	NO ACCESS	NO ACCESS	NO ACCESS	NO ACCESS	NO ACCESS	NO ACCESS	NO ACCESS	10.1'	NO ACCESS	NO ACCESS	NO ACCESS
LNAPL:	NM	NM	NM	NM								NO*			
DNAPL:	NM	NM	NM	NM								NO*			
BBMW - 22D															
DTW:	NM	NM	NM	NM	10.2'	10.0'	10.0'	9.9'	10.1'	9.9'	10.2'	10.4'	NO*	NO*	NO*
LNAPL:	NM	NM	NM	NM	NO*	NO*	NO*	NO*	NO*	NO*	NM	NO*	NO*	NO*	NO*
DNAPL:	NM	NM	NM	NM	5.5'	5.3'	5'	3'	5.5'	5.5'	6'	3'	5.0'	5.2'	6.0'

Notes:
NO* = Not Observed
NM = Not Measured

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

Gauging Date Well I.D.:	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	1/11/2008	1/17/2008	1/25/2008
	NAPL Thickness (ft)														
RW - 01															
DTW:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
LNAPL:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
DNAPL:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
RW - 02															
DTW:	NO*	NM	NM	NM	NM	NM	NM	NO*	NO*	NM	NM	NM	NM	NM	NM
LNAPL:	NO*	NM	NM	NM	NM	NM	NM	NO*	NO*	NM	NM	NM	NM	NM	NM
DNAPL:	6.4'	7.2'	7.0'	6.6'	NM	7.0'	7.2'	6.5'	7.6'	6.5'	7.5'	5.6'	5.0'	6.8'	6.6'
RW - 03															
DTW:	7.1'	7.6'	7.4'	7.4'	NO ACCESS	NM	7.5'	7.2'	7.0'	9.8'	7.5'	6.9'	6.9'	6.7'	6.7'
LNAPL:	NO*	NO*	NO*	NO*		NM	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	NO*	NO*	NO*	NO*		NM	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
RW - 04															
DTW:	10.8'	10.5'	10.7	10.7'	10.6'	NM	10.8'	10.6'	NM	10.1'	10.8'	10.2'	9.9'	10.0	9.9'
LNAPL:	NO*	NO*	NO*	NO*	NM	NM	NO*	NO*	NM	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	NO*	NO*	NO*	NO*	NM	NM	NO*	NO*	NM	NO*	NO*	NO*	NO*	NO*	NO*
RW - 05															
DTW:	9.3'	9.3'	9.2'	9.15'	9.1'	NM	9.1'	9.0'	8.9'	8.9'	9.0'	8.6'	8.4'	8.4'	8.4'
LNAPL:	NO*	NO*	NO*	NO*	NM	NM	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	NO*	NO*	NO*	NO*	NM	NM	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
BBMW - 05D															
DTW:	11.8'	11.8'	11.9	11.8'	11.9'	NM	12.0'	11.7'	11.4'	11.3'	12.0'	11.4'	11.2	11.2'	11.1'
LNAPL:	NO*	NO*	NO*	NO*	NM	NM	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	NO*	NO*	NO*	NO*	NM	NM	<0.1'	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
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	Well Damaged	Well Damaged	Well Damaged	Well Damaged
DNAPL:															
BBMW - 22D															
DTW:	NO*	NM	NM	NM	NM	NO*	NM	NO*	10.2	10.0'	NO*	NO*	9.9'	NO*	NO*
LNAPL:	NO*	NM	NM	NM	NM	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	5.0'	6.1'	6.0'	5.8'	NM	5.9'	6.5'	4.2'	6.6'	6.7'	6.5'	5.1'	5.0'	5.8'	5.0'

Notes:
NO* = Not Observed
NM = Not Measured

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

Gauging Date Well I.D.:	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	4/18/2008	4/24/2008	5/2/2008	5/9/2008
NAPL Thickness (ft)															
RW - 01															
DTW:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
LNAPL:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
DNAPL:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
RW - 02															
DTW:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NO*	8.6'	NO*	NO*	NO*	NO*
LNAPL:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	7.3'	6.3'	6.1'	6.2'	7.2'	5.3'	6.0'	7.5'	5.0'	5.0'	6.0'	6.8'	5.3'	6.6'	7.1'
RW - 03															
DTW:	6.98'	6.5'	6.8'	NM	6.3'	6.3'	6.0'	5.7	6.1'	6.3'	6.24'	6.3'	6.7'		6.4'
LNAPL:	NO*	NO*	NO*	NM	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO ACCESS	NO*
DNAPL:	NO*	NO*	NO*	NM	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*		NO*
RW - 04															
DTW:	10.1'	9.8'	9.1'	9.4'	9.6'	9.6'	9.3'	6.0'	9.4'	9.6'	9.5'	9.6'	10.0'	9.4'	9.7'
LNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
RW - 05															
DTW:	8.6'	8.2'	7.4'	7.9'	9.0'	8.0'	9.0'	7.5'	7.8'	8.0'	7.9'	8.1'	8.4'	8.0'	8.9'
LNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
BBMW - 05D															
DTW:	11.3'	10.9'	10.2'	10.6'	10.7'	10.8'	10.3'	10.2'	10.6'	10.8'	10.7'	11.87'	10.3'	10.8'	11.0'
LNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	NO*	NO*	NO*	NO*	NO*	coating (<1/8")	0.1'	0.01'	0.1'	NO*	Trace	NO*	NO*	NO*	NO*
BBMW - 20D															
DTW:															
LNAPL:	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged
DNAPL:															
BBMW - 22D															
DTW:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	9.3'	NO*	NO*	9.3'	9.4'
LNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	5.8'	5.8'	5.3'	5.7'	5.4'	5.4'	5.6'	4.9'	5.8'	7.3'	5.0'	4.7'	5.1'	4.8'	4.1'

Notes:
NO* = Not Observed
NM = Not Measured

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

Gauging Date Well I.D.:	5/16/2008	5/23/2008	5/30/2008	6/5/2008	6/13/2008	6/20/2008	6/27/2008
NAPL Thickness (ft)							
RW - 01							
DTW:	NM	NM	NM	NM	NM	NM	NM
LNAPL:	NM	NM	NM	NM	NM	NM	NM
DNAPL:	NM	NM	NM	NM	NM	NM	NM
RW - 02							
DTW:	NO*	NO*	NO*	NO*	NO*	NO*	NO*
LNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	5.5'	6.4'	6.6'	6.0'	5.5'	6.8'	5.3'
RW - 03							
DTW:	6.4'	6.3'	NO ACCESS	6.25'	6.6'	6.6'	6.6'
LNAPL:	NO*	NO*		NO*	NO*	NO*	NO*
DNAPL:	NO*	0.1'		NO*	NO*	NO*	NO*
RW - 04							
DTW:	9.7'	9.9'	9.7'	9.58'	9.8'	9.9'	9.9'
LNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*
RW - 05							
DTW:	8.1'	8.1'	8.1'	8.0'	5.2'	8.4'	8.2'
LNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*
BBMW - 05D							
DTW:	10.9'	10.9'	10.8'	10.7'	11.0'	11.2'	10.9'
LNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	NO*	NO*	NO*	0.1'	0.1'	0.1'	NO*
BBMW - 20D							
DTW:	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged
LNAPL:							
DNAPL:							
BBMW - 22D							
DTW:	9.7'	NO*	NO*	NO*	NO*	NO*	NO*
LNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	4.1'	5.6'	5.1'	4.0'	4.7'	5.6'	4.2'

Notes:
NO* = Not Observed
NM = Not Measured

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

Monitoring Well	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08
Conductivity (mS/cm)						
OZMW-16D	--	1.890	--	--	--	2.220
OZMW-16I	--	--	--	--	--	0.725
OZMW-16I2	0.296	--	--	--	--	0.509
OZMW-16S	0.440	--	--	--	--	0.822
OZMW-17D	--	0.994	1.210	0.878	0.826	1.460
OZMW-17I	0.689	--	0.504	0.618	0.628	0.999
OZMW-17I2	0.237	--	0.147	0.180	0.174	0.345
OZMW-17S	0.587	--	0.742	0.720	0.693	0.999
OZMW-18D	--	1.760	--	--	--	1.580
OZMW-18I	0.496	--	--	--	--	0.595
OZMW-18I2	0.482	--	--	--	--	0.790
OZMW-18S	0.405	--	--	--	--	0.826
OZMW-22D	--	--	--	--	--	0.193
OZMW-22I	--	--	--	--	--	0.447
OZMW-22I2	--	--	--	--	--	0.494
OZMW-22S	--	--	--	--	--	1.050
Dissolved Oxygen (mg/L)						
OZMW-16D	--	0.0	--	--	--	0.0
OZMW-16I	--	--	--	--	--	20.0
OZMW-16I2	0.0	--	--	--	--	1.4
OZMW-16S	0.0		--	--	--	20.0
OZMW-17D	--	0.0	0.0	0.0	0.0	0.0
OZMW-17I	0.0	--	6.0	35.0	21.0	20.0
OZMW-17I2	0.0	--	0.0	5.0	5.0	7.4
OZMW-17S	0.0	--	14.0	22.0	21.0	20.0
OZMW-18D	--	0.0	--	--	--	0.0
OZMW-18I	0.0	--	--	--	--	0.0
OZMW-18I2	0.0	--	--	--	--	0.0
OZMW-18S	0.0	--	--	--	--	17.4
OZMW-22D	--	--	--	--	--	0.0
OZMW-22I	--	--	--	--	--	0.0
OZMW-22I2	--	--	--	--	--	0.0
OZMW-22S	--	--	--	--	--	0.0
Oxidation Reduction Potential (mV)						
OZMW-16D	--	-48	--	--	--	73
OZMW-16I	--	--	--	--	--	224
OZMW-16I2	86	--	--	--	--	189
OZMW-16S	-108	--	--	--	--	138
OZMW-17D	--	13	36	17	-34	26
OZMW-17I	-144	--	35	89	77	58
OZMW-17I2	110	--	106	127	122	179
OZMW-17S	-137	--	144	58	76	42
OZMW-18D	--	-93	--	--	--	-109
OZMW-18I	-168	--	--	--	--	-61
OZMW-18I2	-54	--	--	--	--	-52
OZMW-18S	-112	--	--	--	--	-40
OZMW-22D	--	--	--	--	--	110
OZMW-22I	--	--	--	--	--	185
OZMW-22I2	--	--	--	--	--	183
OZMW-22S	--	--	--	--	--	-137

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

Monitoring Well	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08
pH (std. units)						
OZMW-16D	--	5.65	--	--	--	5.04
OZMW-16I	--	--	--	--	--	5.54
OZMW-16I2	5.25	--	--	--	--	5.08
OZMW-16S	6.23	--	--	--	--	6.35
OZMW-17D	--	5.31	5.73	5.44	5.36	5.28
OZMW-17I	6.69	--	6.97	6.71	6.67	6.75
OZMW-17I2	6.09	--	6.65	6.06	6.03	5.96
OZMW-17S	6.42	--	6.60	6.59	6.54	6.61
OZMW-18D	--	5.83	--	--	--	6.14
OZMW-18I	6.55	--	--	--	--	6.37
OZMW-18I2	6.35	--	--	--	--	6.46
OZMW-18S	6.34	--	--	--	--	6.25
OZMW-22D	--	--	--	--	--	5.22
OZMW-22I	--	--	--	--	--	6.05
OZMW-22I2	--	--	--	--	--	6.10
OZMW-22S	--	--	--	--	--	6.53
Temperature (degrees Celcius)						
OZMW-16D	--	12.6	--	--	--	13.6
OZMW-16I	--	--	--	--	--	15.7
OZMW-16I2	12.7	--	--	--	--	15.5
OZMW-16S	11.0	--	--	--	--	18.4
OZMW-17D	--	11.9	14.1	15.7	17.0	15.6
OZMW-17I	13.0	--	13.7	15.7	16.3	17.5
OZMW-17I2	12.9	--	13.7	15.5	17.3	15.4
OZMW-17S	10.9	--	12.6	14.6	18.1	19.0
OZMW-18D	--	11.7	--	--	--	14.7
OZMW-18I	11.9	--	--	--	--	16.6
OZMW-18I2	12.5	--	--	--	--	15.7
OZMW-18S	9.4	--	--	--	--	18.0
OZMW-22D	--	--	--	--	--	14.2
OZMW-22I	--	--	--	--	--	14.6
OZMW-22I2	--	--	--	--	--	14.1
OZMW-22S	--	--	--	--	--	17.7

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

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

Well ID	Date of Measurement	Time of Measurement	Well Casing Diameter (inches)	Well Elevation[1] (feet above MSL)	Depth to Water (feet)	Water Elevation (feet above MSL)	Comments
BBMW-05D	4/30/2008	10:42	2.00	25.37	10.36	15.01	
BBMW-05D2	4/30/2008	10:43	2.00	24.27	8.46	15.81	
BBMW-13D	4/30/2008	9:05	2.00	23.90	8.65	15.25	
BBMW-20D	NM	NM	1.00	18.69	NM	NC	Obstruction
BBMW-20I	NM	NM	1.00	18.63	NM	NC	Obstruction
BBMW-20S	NM	NM	1.00	18.66	NM	NC	Obstruction
BBMW-22D	4/30/2008	10:46	2.00	23.67	9.04	14.63	
BBMW-22I	4/30/2008	10:45	2.00	23.61	8.79	14.82	
BBMW-22S	4/30/2008	10:44	2.00	23.65	8.83	14.82	
BBMW-26I	4/30/2008	9:55	1.00	25.02	8.64	16.38	
BBMW-26S	4/30/2008	9:53	1.00	24.96	8.59	16.37	
BBMW-27I	4/30/2008	10:11	1.00	25.37	8.99	16.38	
BBMW-27S	4/30/2008	10:03	1.00	25.03	8.70	16.33	
MW-03D	4/30/2008	9:03	4.00	22.48	7.27	15.21	
MW-03S	4/30/2008	9:02	4.00	22.59	7.38	15.21	
MW-05D	4/30/2008	10:40	2.00	24.37	9.36	15.01	
MW-05S	4/30/2008	10:39	2.00	24.05	9.07	14.98	
MW-09I	4/30/2008	10:00	2.00	24.71	8.08	16.63	
MW-09S	4/30/2008	9:59	4.00	25.17	8.53	16.64	

Notes:

1 - Well Elevations obtained from 2007 Survey or latter and reference NVGD88 datum
NM - Not Measured
NC - Not Calculated

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

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

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

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

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

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

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

Well Identification	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)				
		January-08	April-08	Minimum	Average	Maximum
BBMW-05D	64.0 - 74.0	14.27	15.01	12.15	14.22	15.83
BBMW-05D2	126.5 - 136.5	15.07	15.81	12.30	15.01	16.27
BBMW-13D	62.0 -72.0	14.63	15.25	12.48	14.62	16.29
BBMW-20S	4.0 - 14.0	NC	NC	11.28	13.25	14.59
BBMW-20I	35.0 - 45.0	13.91	NC	11.22	13.28	14.51
BBMW-20D	62.0 - 72.0	NC	NC	11.32	13.56	14.80
BBMW-22S	5.0 - 10.0	13.86	14.63	12.01	14.03	15.54
BBMW-22I	30.0 - 40.0	14.11	14.82	12.02	14.04	15.52
BBMW-22D	64.0 - 74.0	14.10	14.82	12.01	14.03	15.52
BBMW-26S	6.0 - 16.0	15.63	16.38	14.74	15.91	16.60
BBMW-26I	30.0 - 40.0	15.64	16.37	14.76	15.92	16.62
BBMW-27S	5.0 - 15.0	15.66	16.38	14.73	15.92	16.59
BBMW-27I	30.0 - 40.0	15.65	16.33	14.78	15.94	16.62
MW-03S	3.0 -13.0	14.60	15.21	12.45	14.56	16.23
MW-03D	35.0 - 45.0	14.60	15.21	12.44	14.55	16.22
MW-05S	4.0 - 14.0	14.24	15.01	12.16	14.31	17.61
MW-05D	35.5 - 45.5	14.26	14.98	13.16	14.71	18.51
MW-09S	4.0 - 14.0	15.85	16.63	13.55	15.94	17.44
MW-09I	30.0 - 40.0	15.90	16.64	15.02	16.20	16.85

Notes:
NM - Not Measured
bgs - below ground surface
Well Elevations obtained from 2007 Survey or latter and reference NVGD88 datum

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

Well No.	Screen Interval	Total BTEX Concentrations (ug/L)																
		Sampling Date																
		1992	1999		2002			2003			2004				2005			
	(feet)	Sept	Sept	Oct/Nov	Apr/May	June/July	Nov/Dec	Feb-Apr	Jul/Aug	Sept/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	June	August	Nov/Dec
BBMW-05D	64.0 - 74.0	--	--	1,523	943	--	0	600	--	--	1,890	--	--	--	680	--	--	--
BBMW-05D2	126.5 - 136.5	--	--	--	16	0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-13D	62.0 - 72.0	--	--	0	0	--	--	--	--	--	0	--	--	--	0	--	--	--
BBMW-20D	62.0 - 72.0	--	--	--	3,505	--	9,639	--	--	--	--	--	--	--	--	--	--	--
BBMW-20I	35.0 - 45.0	--	--	--	40	--	193	170	--	--	110	--	132	--	--	--	--	104
BBMW-20S	4.0 - 14.0	--	--	--	15,140	--	6,190	11,700	--	--	10,876	--	10,120	--	--	--	--	5,655
BBMW-22D	64.0 - 74.0	--	--	--	8,600	--	5,028	6,297	--	--	2,370	--	--	--	1,650	--	--	--
BBMW-22I	30.0 - 40.0	--	--	--	36	--	25	22	--	28	13	--	--	--	16	--	--	--
BBMW-22S	5.0 - 10.0	--	--	--	13,610	--	25,800	6,030	20,000	25,200	12,960	13,800	21,300	14,500	11,670	16,900	9,200	--
BBMW-26I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	--	--	--
BBMW-26S	6.0 - 16.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	--	--	--
BBMW-27I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	--	--	--
BBMW-27S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	--	--	--
MW-03D	35.0 - 45.0	0	0	0	0	--	--	--	--	--	0	--	--	--	--	--	--	--
MW-03S	3.0 - 13.0	361	15	19	26	--	--	--	45	20	0	0	33	35	--	180	34	0
MW-05D	35.5 - 45.5	253	15	39	3	--	0	17	--	--	0	--	--	--	0	--	--	--
MW-05S	4.0 - 14.0	17,180	27,000	20,430	24,320	--	34,290	46,300	--	--	21,660	--	--	--	24,395	--	--	--
MW-09I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-09S	4.0 - 14.0	0	--	29	--	0	0	0	--	--	0	--	--	0	--	--	--	--
OZMW-16D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-16I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-16I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-16S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-17D	53.0 - 63.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-17I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-17I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-17S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-18D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-18I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-18I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-18S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-22D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-22I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-22I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-22S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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

Well No.	Screen Interval	Total BTEX Concentrations (ug/L)														
		Sampling Date														
		2006				2007				2008		Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
	(feet)	March	June	Jul/Aug	Nov/Dec	March	May-July	Aug-Oct	Oct-Dec	Jan-Mar	Apr-July					
BBMW-05D	64.0 - 74.0	890	1,267	3,150	553	1,597	613	21	399	717	727	0	3,150	990	0	3,150
BBMW-05D2	126.5 - 136.5	0	--	--	--	--	--	--	--	0	--	0	16	4	0	16
BBMW-13D	62.0 - 72.0	0	--	--	--	0	0	0	0	0	--	0	0	0	0	0
BBMW-20D	62.0 - 72.0	--	--	--	--	1,540	1,800	1359	--	--	--	1,359	9,639	3,569	1,359	9,639
BBMW-20I	35.0 - 45.0	--	--	165	125	105	12	29	13	8	5	8	193	93	5	193
BBMW-20S	4.0 - 14.0	--	--	19,133	12,900	173	4,144	2677	--	--	--	173	19,133	8,973	173	19,133
BBMW-22D	64.0 - 74.0	1,020	--	--	--	1,558	1,580	2807	3126	2356	3126	1,020	8,600	3,308	1,020	8,600
BBMW-22I	30.0 - 40.0	16	--	--	--	0	43	37	32	31	32	0	43	25	0	43
BBMW-22S	5.0 - 10.0	12,370	10,300	--	--	10,850	10,420	14810	7150	5816	7340	5,816	25,800	13,826	5,816	25,800
BBMW-26I	30.0 - 40.0	0	--	--	--	0	0	0	--	0	--	0	0	0	0	0
BBMW-26S	6.0 - 16.0	0	--	--	--	0	0	0	0	0	--	0	0	0	0	0
BBMW-27I	30.0 - 40.0	0	--	--	--	0	0	0	--	0	--	0	0	0	0	0
BBMW-27S	5.0 - 15.0	0	--	--	--	0	0	0	0	0	0	0	0	0	0	0
MW-03D	35.0 - 45.0	0	--	--	--	0	0	0	0	0	--	0	0	0	0	0
MW-03S	3.0 - 13.0	132	31	250	10	0	111	116	18	30	5	0	361	67	0	361
MW-05D	35.5 - 45.5	--	0	0	0	0	18	22	0	0	0	0	253	23	0	253
MW-05S	4.0 - 14.0	--	17,327	18,100	24,600	48,430	15,905	12929	18130	15095	8060	12,929	48,430	24,131	8,060	48,430
MW-09I	30.0 - 40.0	0	--	--	--	0	0	2	--	4	--	0	4	1	0	4
MW-09S	4.0 - 14.0	0	--	--	--	0	0	0	0	0	0	0	29	2	0	29
OZMW-16D	55.0 - 65.0	--	--	--	--	--	--	--	--	0	0	0	0	0	0	0
OZMW-16I	20.0 - 30.0	--	--	--	--	--	--	--	--	512	105	512	512	512	105	512
OZMW-16I2	35.0 - 45.0	--	--	--	--	--	--	--	--	3	4	3	3	3	3	4
OZMW-16S	5.0 - 15.0	--	--	--	--	--	--	--	--	4685	0	4,685	4,685	4,685	0	4,685
OZMW-17D	53.0 - 63.0	--	--	--	--	--	--	--	--	0	0	0	0	0	0	0
OZMW-17I	20.0 - 30.0	--	--	--	--	--	--	--	--	1316	82	1,316	1,316	1,316	82	1,316
OZMW-17I2	35.0 - 45.0	--	--	--	--	--	--	--	--	0	0	0	0	0	0	0
OZMW-17S	5.0 - 15.0	--	--	--	--	--	--	--	--	1664	78	1,664	1,664	1,664	78	1,664
OZMW-18D	55.0 - 65.0	--	--	--	--	--	--	--	--	77	31	77	77	77	31	77
OZMW-18I	20.0 - 30.0	--	--	--	--	--	--	--	--	3600	169	3,600	3,600	3,600	169	3,600
OZMW-18I2	35.0 - 45.0	--	--	--	--	--	--	--	--	201	95	201	201	201	95	201
OZMW-18S	5.0 - 15.0	--	--	--	--	--	--	--	--	3160	54	3,160	3,160	3,160	54	3,160
OZMW-22D	55.0 - 65.0	--	--	--	--	--	--	--	--	0	0	0	0	0	0	0
OZMW-22I	20.0 - 30.0	--	--	--	--	--	--	--	--	0	0	0	0	0	0	0
OZMW-22I2	35.0 - 45.0	--	--	--	--	--	--	--	--	0	0	0	0	0	0	0
OZMW-22S	5.0 - 15.0	--	--	--	--	--	--	--	--	7077	7480	7,077	7,077	7,077	7,077	7,480

NOTES:

-- = Not Analyzed/Applicable
ug/L - Micrograms per liter
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.
Peristaltic pump results are shown on this table.

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

Well No.	Screen Interval	Total PAH Concentrations (ug/L)																
		Sampling Date																
		1992	1999		2002			2003			2004				2005			
	(feet)	Sept	Sept	Oct/Nov	Apr/May	June/July	Nov/Dec	Feb-Apr	Jul/Aug	Sept/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	June	August	Nov/Dec
BBMW-05D	64.0 - 74.0	--	--	3,249	4,181	--	2,247	1,800	--	--	3,187	--	--	--	3,109	--	--	--
BBMW-05D2	126.5 - 136.5	--	--	--	147	0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-13D	62.0 - 72.0	--	--	0	40	--	--	--	--	--	0	--	--	--	0	--	--	--
BBMW-20D	62.0 - 72.0	--	--	--	14,594	--	7,300	--	--	--	--	--	--	--	--	--	--	--
BBMW-20I	35.0 - 45.0	--	--	--	7,134	--	7,900	7,400	--	--	6,939	--	6,956	--	--	--	--	8,636
BBMW-20S	4.0 - 14.0	--	--	--	2,248	--	3,080	15,000	--	--	3,408	--	1,758	--	--	--	--	2,483
BBMW-22D	64.0 - 74.0	--	--	--	11,436	--	8,808	5,300	--	--	145,100	--	--	--	4,418	--	--	--
BBMW-22I	30.0 - 40.0	--	--	--	8,810	--	8,000	3,500	--	--	7,240	--	--	--	5,865	--	--	--
BBMW-22S	5.0 - 10.0	--	--	--	3,954	--	3,700	2,500	3,608	--	2,400	2,042	4,460	4,780	2,640	143	4,549	--
BBMW-26I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	--	--	--
BBMW-26S	6.0 - 16.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	--	--	--
BBMW-27I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	--	--	--
BBMW-27S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	--	--	--
MW-03D	35.0 - 45.0	0	0	0	0	--	--	--	--	--	184	--	--	--	--	--	--	--
MW-03S	3.0 - 13.0	620	17	1,425	104	--	--	--	120	20	0	28	25	0	--	0	21	0
MW-05D	35.5 - 45.5	4,292	3,959	4,944	2,501	--	4,560	2,600	--	--	3,214	--	--	--	2,842	--	--	--
MW-05S	4.0 - 14.0	5,514	2,360	2,964	2,682	--	2,100	1,600	--	--	2,783	--	--	--	2,144	--	--	--
MW-09I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-09S	4.0 - 14.0	0	--	0	--	0	74	0	--	--	0	--	--	0	--	--	--	--
OZMW-16D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-16I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-16I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-16S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-17D	53.0 - 63.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-17I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-17I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-17S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-18D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-18I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-18I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-18S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-22D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-22I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-22I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-22S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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

Well No.	Screen Interval	Total PAH Concentrations (ug/L)														
		Sampling Date														
		2006				2007				2008		Historic	Historic	Historic	Current	Current
	(feet)	March	June	Jul/Aug	Nov/Dec	March	May-July	Aug-Oct	Oct-Dec	Jan-Mar	Apr-July	Minimum	Maximum	Average	Minimum	Maximum
BBMW-05D	64.0 - 74.0	2,924	352	4,492	2,386	2,371	1,233	40	930	981	1203	40	4,492	2,232	40	4,492
BBMW-05D2	126.5 - 136.5	0	--	--	--	--	--	--	--	0	--	0	147	37	0	147
BBMW-13D	62.0 - 72.0	0	--	--	--	0	0	0	0	0	--	0	40	4	0	40
BBMW-20D	62.0 - 72.0	--	--	--	--	2,289	4,688	5,460	--	--	--	2,289	14,594	6,866	2,289	14,594
BBMW-20I	35.0 - 45.0	--	--	7,722	5,749	7,160	2,189	2,033	452	75	48	75	8,636	5,411	48	8,636
BBMW-20S	4.0 - 14.0	--	--	1,365	2,179	1,819	1,343	860	--	--	--	860	15,000	3,231	860	15,000
BBMW-22D	64.0 - 74.0	6,168	--	--	--	2,725	3,310	5,374	8516	4257	4894	2,725	145,100	18,674	2,725	145,100
BBMW-22I	30.0 - 40.0	7,028	--	--	--	4,696	4,283	4,879	5212	5536	4290	3,500	8,810	5,914	3,500	8,810
BBMW-22S	5.0 - 10.0	4,131	2,214	--	--	1,634	2,931	3,629	3189	24	25	24	4,780	2,918	24	4,780
BBMW-26I	30.0 - 40.0	0	--	--	--	0	0	1	--	0	--	0	1	0	0	1
BBMW-26S	6.0 - 16.0	0	--	--	--	0	0	0	24	0	--	0	24	3	0	24
BBMW-27I	30.0 - 40.0	0	--	--	--	0	0	0	--	0	--	0	0	0	0	0
BBMW-27S	5.0 - 15.0	0	--	--	--	0	0	0	0	0	0	0	0	0	0	0
MW-03D	35.0 - 45.0	0	--	--	--	0	0	0	2	0	--	0	184	17	0	184
MW-03S	3.0 - 13.0	25	11	0	0	0	0	9	0	0	0	0	1,425	110	0	1,425
MW-05D	35.5 - 45.5	2,456	435	1,984	3,122	1,113	142	55	741	2644	390	55	4,944	2,447	55	4,944
MW-05S	4.0 - 14.0	2,220	1,647	2,493	1,652	1,647	1,294	1,630	1431	1699	144	1,294	5,514	2,227	144	5,514
MW-09I	30.0 - 40.0	0	--	--	--	0	0	0	--	0	--	0	0	0	0	0
MW-09S	4.0 - 14.0	0	--	--	--	0	0	0	0	0	0	0	74	6	0	74
OZMW-16D	55.0 - 65.0	--	--	--	--	--	--	--	--	1	0	1	1	1	0	1
OZMW-16I	20.0 - 30.0	--	--	--	--	--	--	--	--	1447	39	1,447	1,447	1,447	39	1,447
OZMW-16I2	35.0 - 45.0	--	--	--	--	--	--	--	--	0	219	0	0	0	0	219
OZMW-16S	5.0 - 15.0	--	--	--	--	--	--	--	--	830	2	830	830	830	2	830
OZMW-17D	53.0 - 63.0	--	--	--	--	--	--	--	--	27	0	27	27	27	0	27
OZMW-17I	20.0 - 30.0	--	--	--	--	--	--	--	--	5197	5	5,197	5,197	5,197	5	5,197
OZMW-17I2	35.0 - 45.0	--	--	--	--	--	--	--	--	7	0	7	7	7	0	7
OZMW-17S	5.0 - 15.0	--	--	--	--	--	--	--	--	1963	1	1,963	1,963	1,963	1	1,963
OZMW-18D	55.0 - 65.0	--	--	--	--	--	--	--	--	1684	461	1,684	1,684	1,684	461	1,684
OZMW-18I	20.0 - 30.0	--	--	--	--	--	--	--	--	2312	625	2,312	2,312	2,312	625	2,312
OZMW-18I2	35.0 - 45.0	--	--	--	--	--	--	--	--	8178	7353	8,178	8,178	8,178	7,353	8,178
OZMW-18S	5.0 - 15.0	--	--	--	--	--	--	--	--	569	15	569	569	569	15	569
OZMW-22D	55.0 - 65.0	--	--	--	--	--	--	--	--	0	0	0	0	0	0	0
OZMW-22I	20.0 - 30.0	--	--	--	--	--	--	--	--	0	0	0	0	0	0	0
OZMW-22I2	35.0 - 45.0	--	--	--	--	--	--	--	--	0	0	0	0	0	0	0
OZMW-22S	5.0 - 15.0	--	--	--	--	--	--	--	--	2191	2555	2,191	2,191	2,191	2,191	2,555

NOTES:
-- = Not Analyzed/Applicable
ug/L - Micrograms per liter
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.
Peristaltic pump results are shown on this table.

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

Operable Unit: / Well ID: / Screened Interval (feet): / Date Sampled:	NYS AWQS	OU1 BBMW-05D 64-74 6/6/2008	OU1 BBMW-20I 35-45 6/27/2008	OU1 BBMW-22D 64-74 6/4/2008	OU1 BBMW-22I 30-40 6/4/2008	OU1 BBMW-22S 5-10 6/4/2008	OU1 BBMW-27S 5-15 6/13/2008	OU1 MW-03 4.94-14.94 5/5/2008	OU1 MW-05D 35.5-45.5 6/6/2008	OU1 MW-05S 4-14 6/6/2008	OU1 MW-09S 4-14 6/13/2008
BTEX (ug/L)											
Benzene	1	**15**	10 U	**6 J**	**2 J**	**330**	10 U	10 U	10 U	**40**	10 U
Toluene	5	**240**	10 U	**970**	10 U	**110**	10 U	10 U	10 U	**320**	10 U
Ethylbenzene	5	**62**	10 U	**250**	**9 J**	**2900**	10 U	**5 J**	10 U	**3200**	10 U
Xylene, total	5	**410**	**5 J**	**1900**	**21**	**4000**	10 U	10 U	10 U	**4500**	10 U
Total BTEX	NE	**727**	**5**	**3126**	**32**	**7340**	ND	**5**	ND	**8060**	ND
Other VOCs (ug/L)											
Methyl tert-butyl ether	10*	10 U	**7 J**	10 U	10 U	10 U	10 U	10 U	**8 J**	10 U	10 U
Non-carcinogenic PAHs (ug/L)											
Acenaphthene	20*	**3 J**	**3 J**	**9**	**220 J**	**5**	10 U	10 U	**15**	**13**	10 U
Acenaphthylene	NE	**37**	**25**	**130 J**	**19**	**2 J**	10 U	10 U	**230**	**10**	10 U
Anthracene	50*	**9**	**1 J**	**10**	**7**	10 U	10 UJ	10 U	**6**	10 U	10 UJ
Fluoranthene	50*	**3 J**	10 U	**4 J**	**2 J**	10 U	10 UJ	10 U	**2 J**	10 U	10 UJ
Fluorene	50*	**18**	**7**	**28**	**36**	10 U	10 UJ	10 U	**35**	**6**	10 UJ
Methylnaphthalene,2-	NE	**150**	**5 J**	**570**	**970**	**3 J**	10 U	10 U	**63**	**4 J**	10 U
Naphthalene	10*	**940**	10 U	**4100**	**3000**	**14**	10 U	10 U	**11**	**110**	10 U
Phenanthrene	50*	**39**	**7**	**38**	**34**	10 U	10 UJ	10 U	**26**	10 U	10 UJ
Pyrene	50*	**4 J**	10 U	**5**	**2 J**	**1 J**	10 U	10 U	**2 J**	**1 J**	10 UJ
Total Noncarcinogenic PAHs	NE	**1203**	**48**	**4894**	**4290**	**25**	ND	ND	**390**	**144**	ND
Carcinogenic PAHs (ug/L)											
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)											
Total PAHs	NE	**1203**	**48**	**4894**	**4290**	**25**	ND	ND	**390**	**144**	ND

NOTES:

BTEX - benzene, toluene, ethylbenzene, and xylene (a subset of VOCs)
VOCs - volatile organic compounds
PAHs - polycyclic aromatic hydrocarbons
ug/L - micrograms per liter or parts per billion (ppb)
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
NE - not established
ND - not detected; total concentration is listed as ND because no compounds were detected in the group
Bolding indicates the compound was detected
Shading indicates an exceedance of established NYS AWQS
U - indicates not detected at or above the reporting limit shown
J - estimated value
UJ - not detected at or above the reporting limit and the reporting limit is estimated

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

Operable Unit: Well ID: Screened Interval (feet): Date Sampled:	NYS AWQS	OU1 OZMW-16D 55-65 07/22/08	OU1 OZMW-16I 20-30 07/21/08	OU1 OZMW-16I2 35-45 07/22/08	OU1 OZMW-16S 5-15 07/21/08	OU1 OZMW-17D 53-63 07/21/08	OU1 OZMW-17I 20-30 07/21/08	OU1 OZMW-17I2 35-45 07/21/08	OU1 OZMW-17S 5-15 07/21/08
BTEX (ug/L)									
Benzene	1	10 U	10 U	10 U	10 U	10 U	**21 J**	10 U	**8**
Toluene	5	10 U	**2 J**	10 U	10 U	10 U	10 U	10 U	**1 J**
Ethylbenzene	5	10 U	**8**	10 U	10 U	10 U	**24**	10 U	**29**
Xylene, m,p-	5	10 U	**42**	**2 J**	10 U	10 U	**16**	10 U	**18**
Xylene, o-	5	10 U	**53**	**2 J**	10 U	10 U	**21**	10 U	**22**
Total BTEX	NE	ND	**105**	**4**	ND	ND	**82**	ND	**78**
Other VOCs (ug/L)									
Acetone	50*	10 U	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ
Butanone, 2-	50*	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Chlorobenzene	5	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	**1 J**	10 U	10 U	10 U
Dichlorobenzene,1,2-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,3-	3	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
Dichlorodifluoromethane	5	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
Dichloroethene, cis-1,2-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene,1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isopropyl benzene	5	10 U	10 U	**3 J**	10 U	10 U	10 U	10 U	10 U
Methyl tert-butyl ether	10*	10 U	**2 J**	**4 J**	10 U	**1 J**	**3 J**	**3 J**	10 U
Naphthalene	10*	10 U	**200**	**400**	**3 J**	10 U	**360**	10 U	**170**
Propylbenzene, n-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	5	10 U	**11**	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	5	10 U	10 U	10 U	10 U	10 U	**1 J**	10 U	10 U
Tetrahydrofuran	50*	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
Trimethylbenzene 1,3,5-/P-ethyltoluene	5	10 U	**37**	**3 J**	10 U	10 U	**34**	10 U	**16**
Trimethylbenzene, 1,2,4-	5	10 U	**27**	**14**	10 U	10 U	**42**	10 U	**22**
Trimethylpentane, 2,2,4-	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Non-carcinogenic PAHs (ug/L)									
Acenaphthene	20*	10 U	**8**	**4 J**	**1 J**	10 U	**1 J**	10 U	10 U
Acenaphthylene	NE	10 U	**21**	**24**	10 U	10 U	**4 J**	10 U	**1 J**
Anthracene	50*	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
Fluorene	50*	10 U	**9**	**5 J**	10 U	10 U	10 U	10 U	10 U
Methylnaphthalene,2-	NE	10 U	10 U	**2 J**	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	**180**	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	**1 J**	**4 J**	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	**1 J**	10 U	10 U	10 U	10 U
Non-carcinogenic PAHs	NE	ND	**39**	**219**	**2**	ND	**5**	ND	**1**
Carcinogenic PAHs (ug/L)									
Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)									
Total PAHs	NE	ND	**39**	**219**	**2**	ND	**5**	ND	**1**

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

Operable Unit: Well ID: Screened Interval (feet): Date Sampled:	NYS AWQS	OU1 OZMW-18D 55-65 07/22/08	OU1 OZMW-18I 20-30 07/22/08	OU1 OZMW-18I2 35-45 07/22/08	OU1 OZMW-18S 5-15 07/22/08	OU1 OZMW-22D 55-65 07/23/08	OU1 OZMW-22I 20-30 07/23/08	OU1 OZMW-22I2 35-45 07/23/08	OU1 OZMW-22S 5-15 07/23/08
BTEX (ug/L)									
Benzene	1	**5**	**2 J**	**3 J**	20 U	10 U	10 U	10 U	**40**
Toluene	5	**2 J**	**3 J**	10 U	20 U	10 U	10 U	10 U	**140**
Ethylbenzene	5	**2 J**	**46**	**6**	**20**	10 U	10 U	10 U	**4600**
Xylene, m,p-	5	**15**	**73**	**67**	**19 J**	10 U	10 U	10 U	**1500**
Xylene, o-	5	**7**	**45**	**19**	**15**	10 U	10 U	10 U	**1200**
Total BTEX	NE	**31**	**169**	**95**	**54**	ND	ND	ND	**7480**
Other VOCs (ug/L)									
Acetone	50*	10 UJ	10 UJ	10 UJ	20 UJ	10 U	10 U	10 U	10 U
Butanone, 2-	50*	10 UJ	10 UJ	**1 J**	20 U	10 UJ	10 UJ	10 UJ	10 UJ
Chlorobenzene	5	10 U	10 U	10 U	20 U	10 U	10 U	10 U	10 U
Chloroform	7	10 U	10 U	**2 J**	20 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,2-	3	10 U	10 U	10 U	20 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,3-	3	10 U	10 U	10 U	20 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,4-	3	10 U	10 U	10 U	20 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	5	10 UJ	10 UJ	10 UJ	20 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Dichloroethane,1,1-	5	10 U	10 U	10 U	20 U	10 U	10 U	10 U	10 U
Dichloroethene, cis-1,2-	5	10 U	10 U	10 U	20 U	10 U	10 U	10 U	10 U
Dichloroethene,1,1-	5	10 U	10 U	10 U	20 U	10 U	10 U	10 U	10 U
Isopropyl benzene	5	**2 J**	**16**	**140**	**5 J**	10 U	10 U	10 U	**540 J**
Methyl tert-butyl ether	10*	**9 J**	10 U	**2 J**	20 U	10 UJ	10 UJ	**11 J**	10 U
Naphthalene	10*	**550**	**1400**	**7900**	**130**	10 U	10 U	10 U	**3600**
Propylbenzene, n-	5	**4 J**	**10**	**55**	20 U	10 U	10 U	10 U	**210 J**
Styrene	5	**7**	10 U	**21**	20 U	10 U	10 U	10 U	10 U
Tetrachloroethene	5	10 U	**2 J**	**12**	20 U	10 U	10 U	10 U	10 U
Tetrahydrofuran	50*	10 U	10 U	10 U	20 U	10 U	10 U	10 U	10 U
Trichloroethene	5	10 U	10 U	10 U	20 U	10 U	10 U	10 U	10 U
Trimethylbenzene 1,3,5-/P-ethyltoluene	5	**24**	**180**	**390 J**	**54**	10 U	10 U	10 U	**730**
Trimethylbenzene, 1,2,4-	5	**54**	**200**	**600**	**49**	10 U	10 U	10 U	**1500**
Trimethylpentane, 2,2,4-	NE	10 UJ	10 UJ	10 UJ	20 U	10 UJ	10 UJ	10 UJ	10 UJ
Non-carcinogenic PAHs (ug/L)									
Acenaphthene	20*	**6**	**110**	**26**	**9**	10 U	10 U	10 U	**23**
Acenaphthylene	NE	**52**	**30**	**290 J**	**3 J**	10 U	10 U	10 U	**6**
Anthracene	50*	**4 J**	**4 J**	**9**	10 U	10 U	10 U	10 U	**4 J**
Fluoranthene	50*	**2 J**	**1 J**	**2 J**	10 U	10 U	10 U	10 U	**2 J**
Fluorene	50*	**13**	**26**	**46**	**3 J**	10 U	10 U	10 U	**16**
Methylnaphthalene,2-	NE	**38**	**130**	**940**	10 U	10 U	10 U	10 U	**280**
Naphthalene	10*	**320**	**310**	**6000**	10 U	10 U	10 U	10 U	**2200**
Phenanthrene	50*	**24**	**12**	**38**	10 U	10 U	10 U	10 U	**22**
Pyrene	50*	**2 J**	**2 J**	**2 J**	10 U	10 U	10 U	10 U	**2 J**
Non-carcinogenic PAHs	NE	**461**	**625**	**7353**	**15**	ND	ND	ND	**2555**
Carcinogenic PAHs (ug/L)									
Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)									
Total PAHs	NE	**461**	**625**	**7353**	**15**	ND	ND	ND	**2555**

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

NOTES:
BTEX - benzene, toluene, ethylbenzene, and xylene (a subset of VOCs)
VOCs - volatile organic compounds
SVOCs - semivolatile organic compounds
PAHs - polycyclic aromatic hydrocarbons
ug/L - micrograms per liter or parts per billion (ppb)
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
NA - not analyzed
NE - not established
ND - not detected; total concentration is listed as ND because no compounds were detected in the group
Bolding indicates the compound was detected
Shading indicates an exceedance of established NYS AWQS
U - indicates not detected at or above the reporting limit shown
D - indicates a diluted sample
J - estimated value
UJ - not detected at or above the reporting limit and the reporting limit is estimated

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

Monitoring Well	Apr-04	Aug-04	Dec-04	Mar-05	Jun-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Feb-06	Mar-06	Apr-06
Conductivity (mS/cm)													
BBMW-25D	0.048	0.047	0.058	0.076	--	0.058	--	--	--	--	--	0.053	--
BBMW-25I	0.482	0.577	0.483	0.544	--	0.279	--	--	--	1.010	0.647	0.458	0.386
BBMW-25S	--	0.465	0.288	0.638	--	0.650	--	--	--	0.467	0.354	0.348	0.300
OU2MW-02D	--	--	--	--	--	0.037	--	--	--	--	0.049	--	--
OU2MW-02I	--	--	--	--	--	0.178	--	--	--	--	0.263	--	--
OU2MW-02I2	--	--	--	--	--	0.122	--	--	--	--	0.100	--	--
OU2MW-02S	--	--	--	--	--	0.405	--	--	--	--	0.565	0.885	--
OU2MW-03D	--	--	--	--	--	--	0.036	--	--	--	--	0.055	--
OU2MW-03I	--	--	--	--	--	--	--	--	--	--	--	0.345	--
OU2MW-03I2	--	--	--	--	--	--	0.073	--	--	--	--	0.094	--
OU2MW-03S	--	--	--	--	--	--	0.452	--	--	--	--	0.636	--
OU2MW-04D	--	--	--	--	--	--	0.066	--	--	--	--	0.062	--
OU2MW-04I	--	--	--	--	--	--	0.416	--	--	--	--	0.656	--
OU2MW-04I2	--	--	--	--	--	--	0.213	--	--	--	--	0.312	--
OU2MW-04S	--	--	--	--	--	--	0.554	--	--	--	--	0.733	--
OU2MW-04WT	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08D	--	--	--	--	--	--	--	0.036	--	--	0.049	--	--
OU2MW-08I	--	--	--	--	--	--	--	0.364	--	--	0.381	--	--
OU2MW-08I2	--	--	--	--	--	--	--	0.409	--	--	0.539	--	--
OU2MW-08S	--	--	--	--	--	--	--	0.549	--	--	0.646	--	--
OU2MW-08WT	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-01D	--	--	--	--	--	--	--	--	--	--	--	0.520	--
OU2MW-01I	--	--	--	--	--	0.456	--	--	0.470	--	0.701	0.506	0.450
OU2MW-01S	--	--	--	--	--	0.548	--	--	0.609	--	--	0.608	0.482
OU2MW-01WT	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-01I2	--	--	--	--	--	--	--	--	0.187	--	0.287	0.186	0.174
Dissolved Oxygen (mg/L)													
BBMW-25D	0.0	0.0	0.0	0.4	--	0.3	--	--	--	--	--	0.0	--
BBMW-25I	0.0	0.0	0.0	0.3	--	0.8	--	--	20.0	0.0	7.3	13.0	12.0
BBMW-25S	--	0.0	1.1	1.8	--	3.0	--	--	--	9.9	20.0	26.5	39.0
OU2MW-02D	--	--	--	--	--	0.9	--	--	--	--	0.0	--	--
OU2MW-02I	--	--	--	--	--	0.4	--	--	--	--	0.0	--	--
OU2MW-02I2	--	--	--	--	--	0.5	--	--	--	--	0.0	--	--
OU2MW-02S	--	--	--	--	--	1.8	--	--	--	--	0.0	0.0	--
OU2MW-03D	--	--	--	--	--	--	0.0	--	--	--	--	0.0	--
OU2MW-03I	--	--	--	--	--	--	--	--	--	--	--	0.0	--
OU2MW-03I2	--	--	--	--	--	--	0.0	--	--	--	--	0.0	--
OU2MW-03S	--	--	--	--	--	--	0.0	--	--	--	--	0.0	--
OU2MW-04D	--	--	--	--	--	--	0.3	--	--	--	--	0.0	--
OU2MW-04I	--	--	--	--	--	--	4.7	--	--	--	--	0.0	--
OU2MW-04I2	--	--	--	--	--	--	2.0	--	--	--	--	0.0	--
OU2MW-04S	--	--	--	--	--	--	5.3	--	--	--	--	0.0	--
OU2MW-04WT	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08D	--	--	--	--	--	--	--	0.0	--	--	0.0	--	--
OU2MW-08I	--	--	--	--	--	--	--	0.0	--	--	0.0	--	--
OU2MW-08I2	--	--	--	--	--	--	--	0.0	--	--	0.0	--	--
OU2MW-08S	--	--	--	--	--	--	--	0.0	--	--	0.0	--	--
OU2MW-08WT	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-01D	--	--	--	--	--	--	--	--	--	--	--	0.0	--
OU2MW-01I	--	--	--	--	--	2.4	--	--	0.4	--	20.0	29.0	35.0
OU2MW-01S	--	--	--	--	--	3.0	--	--	0.4	--	--	0.0	0.0
OU2MW-01WT	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-01I2	--	--	--	--	--	--	--	--	0.4	--	0.0	0.0	0.0
Oxidation Reduction Potential (mV)													
BBMW-25D	92	67	72	76	--	7	--	--	--	--	--	59	--
BBMW-25I	-80	-94	-80	-95	--	217	--	--	--	-88	-52	-38.3	-32.4
BBMW-25S	--	93	118	115	--	-92	--	--	--	151	148	202	166.9
OU2MW-02D	--	--	--	--	--	69	--	--	--	--	26	--	--
OU2MW-02I	--	--	--	--	--	101	--	--	--	--	51	--	--
OU2MW-02I2	--	--	--	--	--	-6	--	--	--	--	-33	--	--
OU2MW-02S	--	--	--	--	--	-183	--	--	--	--	-155	-115	--
OU2MW-03D	--	--	--	--	--	--	-19	--	--	--	--	43	--
OU2MW-03I	--	--	--	--	--	--	--	--	--	--	--	105	--
OU2MW-03I2	--	--	--	--	--	--	-61	--	--	--	--	-23	--
OU2MW-03S	--	--	--	--	--	--	-158	--	--	--	--	-148	--
OU2MW-04D	--	--	--	--	--	--	-104	--	--	--	--	-52	--
OU2MW-04I	--	--	--	--	--	--	-120	--	--	--	--	-99	--
OU2MW-04I2	--	--	--	--	--	--	-23	--	--	--	--	-56	--
OU2MW-04S	--	--	--	--	--	--	-157	--	--	--	--	-157	--
OU2MW-04WT	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08D	--	--	--	--	--	--	--	60	--	--	-206	--	--
OU2MW-08I	--	--	--	--	--	--	--	-44	--	--	-44	--	--
OU2MW-08I2	--	--	--	--	--	--	--	-102	--	--	-125	--	--
OU2MW-08S	--	--	--	--	--	--	--	-142	--	--	-129	--	--
OU2MW-08WT	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-01D	--	--	--	--	--	--	--	--	--	--	--	66	--
OU2MW-01I	--	--	--	--	--	15	--	--	-477	--	123	193	148
OU2MW-01S	--	--	--	--	--	-116	--	--	-462	--	--	-101.2	-99.9
OU2MW-01WT	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-01I2	--	--	--	--	--	--	--	--	-480	--	-54	-37.2	-38.6

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

Monitoring Well	Apr-04	Aug-04	Dec-04	Mar-05	Jun-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Feb-06	Mar-06	Apr-06
pH (std. units)													
BBMW-25D	5.89	5.35	5.71	5.52	--	5.92	--	--	--	--	--	5.75	--
BBMW-25I	6.77	6.56	6.55	6.32	--	6.18	--	--	--	6.44	6.49	6.56	6.58
BBMW-25S	--	6.27	6.23	5.99	--	6.51	--	--	--	6.09	6.28	6.34	6.40
OU2MW-02D	--	--	--	--	--	5.74	--	--	--	--	5.69	--	--
OU2MW-02I	--	--	--	--	--	6.12	--	--	--	--	6.23	--	--
OU2MW-02I2	--	--	--	--	--	6.14	--	--	--	--	6.33	--	--
OU2MW-02S	--	--	--	--	--	6.88	--	--	--	--	6.97	6.62	--
OU2MW-03D	--	--	--	--	--	--	5.83	--	--	--	--	5.91	--
OU2MW-03I	--	--	--	--	--	--	--	--	--	--	--	5.84	--
OU2MW-03I2	--	--	--	--	--	--	6.43	--	--	--	--	6.32	--
OU2MW-03S	--	--	--	--	--	--	6.85	--	--	--	--	6.94	--
OU2MW-04D	--	--	--	--	--	--	7.06	--	--	--	--	6.28	--
OU2MW-04I	--	--	--	--	--	--	6.66	--	--	--	--	6.52	--
OU2MW-04I2	--	--	--	--	--	--	6.25	--	--	--	--	6.24	--
OU2MW-04S	--	--	--	--	--	--	6.83	--	--	--	--	6.88	--
OU2MW-04WT	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08D	--	--	--	--	--	--	--	5.75	--	--	5.87	--	--
OU2MW-08I	--	--	--	--	--	--	--	6.68	--	--	6.40	--	--
OU2MW-08I2	--	--	--	--	--	--	--	6.89	--	--	6.68	--	--
OU2MW-08S	--	--	--	--	--	--	--	7.18	--	--	6.90	--	--
OU2MW-08WT	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-01D	--	--	--	--	--	--	--	--	--	--	--	5.56	--
OU2MW-01I	--	--	--	--	--	6.14	--	--	7.12	--	6.22	6.25	6.28
OU2MW-01S	--	--	--	--	--	6.61	--	--	7.09	--	--	6.49	6.57
OU2MW-01WT	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-01I2	--	--	--	--	--	--	--	--	7.05	--	6.46	6.50	6.53
Teperature (deg C)													
BBMW-25D	13.2	15.6	13.1	11.4	--	16.7	--	--	--	--	--	12.4	--
BBMW-25I	14.4	15.6	13.9	13.1	--	21.7	--	--	--	13.5	14.0	15.0	13.1
BBMW-25S	--	19.1	13.8	10.5	--	18.2	--	--	--	13.3	11.2	12.1	12.2
OU2MW-02D	--	--	--	--	--	17.2	--	--	--	--	11.6	--	--
OU2MW-02I	--	--	--	--	--	18.0	--	--	--	--	12.4	--	--
OU2MW-02I2	--	--	--	--	--	16.0	--	--	--	--	11.7	--	--
OU2MW-02S	--	--	--	--	--	16.7	--	--	--	--	11.8	13.5	--
OU2MW-03D	--	--	--	--	--	--	15.0	--	--	--	--	10.8	--
OU2MW-03I	--	--	--	--	--	--	--	--	--	--	--	13.1	--
OU2MW-03I2	--	--	--	--	--	--	15.7	--	--	--	--	11.9	--
OU2MW-03S	--	--	--	--	--	--	16.5	--	--	--	--	12.6	--
OU2MW-04D	--	--	--	--	--	--	14.7	--	--	--	--	11.0	--
OU2MW-04I	--	--	--	--	--	--	16.0	--	--	--	--	12.2	--
OU2MW-04I2	--	--	--	--	--	--	15.2	--	--	--	--	11.3	--
OU2MW-04S	--	--	--	--	--	--	15.5	--	--	--	--	12.1	--
OU2MW-04WT	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08D	--	--	--	--	--	--	--	16.2	--	--	12.5	--	--
OU2MW-08I	--	--	--	--	--	--	--	16.8	--	--	13.3	--	--
OU2MW-08I2	--	--	--	--	--	--	--	17.0	--	--	13.1	--	--
OU2MW-08S	--	--	--	--	--	--	--	17.6	--	--	14.7	--	--
OU2MW-08WT	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-01D	--	--	--	--	--	--	--	--	--	--	--	11.9	--
OU2MW-01I	--	--	--	--	--	18.4	--	--	13.4	--	12.0	14.2	12.8
OU2MW-01S	--	--	--	--	--	18.4	--	--	15.0	--	--	14.2	12.6
OU2MW-01WT	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-01I2	--	--	--	--	--	--	--	--	12.8	--	12.5	13.1	12.4

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

Monitoring Well	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07
Conductivity (mS/cm)																		
BBMW-25D	--	0.056	--	--	0.084	--	0.100	0.047	--	--	0.034	0.048	0.055	0.063	0.073	0.049	0.062	0.057
BBMW-25I	0.387	0.238	0.444	0.604	0.472	0.535	0.626	0.411	0.629	0.586	--	0.474	0.427	0.472	0.417	--	0.441	0.450
BBMW-25S	0.236	0.232	0.310	0.314	0.303	0.336	0.376	--	0.452	0.359	0.363	--	0.353	0.349	0.277	0.348	0.351	0.440
OU2MW-02D	--	0.036	--	--	0.036	--	--	--	--	--	0.050	--	0.042	--	--	--	0.038	--
OU2MW-02I	--	0.199	--	--	0.201	--	0.230	--	--	--	0.271	--	0.301	--	--	--	0.186	--
OU2MW-02I2	--	0.067	--	--	0.064	--	0.068	--	--	--	0.087	--	0.093	--	--	--	0.072	--
OU2MW-02S	--	0.514	--	--	0.406	--	0.444	--	--	--	0.432	--	0.654	--	--	--	0.390	--
OU2MW-03D	--	0.036	--	--	0.034	--	0.047	--	--	--	0.051	--	0.065	--	--	--	0.039	--
OU2MW-03I	--	0.226	--	--	0.200	--	0.545	--	--	--	0.460	--	0.536	--	--	--	0.289	--
OU2MW-03I2	--	0.071	--	--	0.060	--	0.071	--	--	--	0.108	--	0.081	--	--	--	0.054	--
OU2MW-03S	--	0.475	--	--	0.557	--	0.047	--	--	--	0.609	--	0.440	--	--	--	0.434	--
OU2MW-04D	--	0.047	--	--	0.045	--	0.056	--	--	--	0.063	--	0.040	--	--	--	0.048	--
OU2MW-04I	--	0.429	--	--	0.497	--	0.614	--	--	--	0.437	--	0.462	--	--	--	0.359	--
OU2MW-04I2	--	0.230	--	--	0.195	--	0.198	--	--	--	0.183	--	0.100	--	--	--	0.063	--
OU2MW-04S	--	0.639	--	--	0.535	--	0.680	--	--	--	0.675	--	0.759	--	--	--	0.547	--
OU2MW-04WT	--	--	--	--	--	--	--	--	--	--	--	--	--	0.222	--	--	0.240	--
OU2MW-08D	--	--	--	0.035	--	--	0.061	--	--	--	0.054	--	--	0.038	0.037	0.047	--	--
OU2MW-08I	--	--	--	0.293	--	--	0.433	--	--	--	0.404	--	--	0.373	0.185	0.254	--	--
OU2MW-08I2	--	--	--	0.397	--	--	0.775	--	--	--	0.761	--	--	0.461	0.552	0.519	--	--
OU2MW-08S	--	--	--	0.564	--	--	0.904	--	--	--	0.778	--	--	0.516	0.999	0.617	--	--
OU2MW-08WT	--	--	--	--	--	--	--	--	--	--	--	--	--	0.681	1.380	--	0.542	--
OU2MW-01D	--	0.000	--	--	0.035	--	0.041	--	--	--	0.032	0.040	0.034	0.069	0.042	0.038	0.041	0.036
OU2MW-01I	0.494	0.546	0.590	0.631	0.500	0.510	0.517	0.340	0.558	0.728	0.507	0.456	0.448	0.666	0.605	0.561	0.636	0.593
OU2MW-01S	0.465	0.506	0.539	0.579	0.483	0.643	0.768	0.529	0.819	0.737	--	0.720	0.658	0.787	0.594	--	0.510	0.492
OU2MW-01WT	--	--	--	--	--	--	--	--	--	--	--	--	--	0.710	0.648	--	--	0.513
OU2MW-01I2	0.196	0.209	0.205	0.166	0.063	0.133	0.161	0.097	0.173	0.161	0.067	0.149	0.168	0.188	0.114	0.093	0.062	0.063
Dissolved Oxygen (mg/L)																		
BBMW-25D	--	6.5	--	--	20.0	--	27.0	17.0	--	--	16.0	19.0	32.0	29.0	20.0	22.0	30.0	41.0
BBMW-25I	25.0	27.0	19.0	20.0	25.0	26.0	14.0	7.0	10.0	20.0	--	26.0	25.0	28.0	20.0	--	17.7	8.0
BBMW-25S	33.0	24.0	17.0	27.0	32.0	33.0	37.0	--	36.0	35.0	28.0	--	26.0	28.0	20.0	34.0	34.0	15.0
OU2MW-02D	--	1.6	--	--	0.0	--	--	--	--	--	0.0	--	0.0	--	--	--	0.0	--
OU2MW-02I	--	1.6	--	--	0.0	--	0.0	--	--	--	0.0	--	0.0	--	--	--	0.0	--
OU2MW-02I2	--	1.5	--	--	0.0	--	0.0	--	--	--	0.0	--	0.0	--	--	--	0.0	--
OU2MW-02S	--	1.1	--	--	0.0	--	0.0	--	--	--	20.0	--	0.0	--	--	--	0.1	--
OU2MW-03D	--	1.7	--	--	0.0	--	0.0	--	--	--	0.0	--	0.0	--	--	--	0.0	--
OU2MW-03I	--	1.7	--	--	0.0	--	0.0	--	--	--	4.1	--	17.8	--	--	--	20.0	--
OU2MW-03I2	--	1.9	--	--	0.0	--	0.0	--	--	--	0.0	--	0.0	--	--	--	0.0	--
OU2MW-03S	--	1.8	--	--	0.0	--	0.0	--	--	--	0.0	--	0.0	--	--	--	0.0	--
OU2MW-04D	--	2.0	--	--	0.0	--	0.0	--	--	--	0.0	--	0.0	--	--	--	0.0	--
OU2MW-04I	--	2.1	--	--	0.0	--	0.0	--	--	--	16.4	--	10.1	--	--	--	0.0	--
OU2MW-04I2	--	1.9	--	--	0.1	--	0.0	--	--	--	0.0	--	0.0	--	--	--	0.0	--
OU2MW-04S	--	1.8	--	--	0.0	--	0.0	--	--	--	0.0	--	0.0	--	--	--	0.0	--
OU2MW-04WT	--	--	--	--	--	--	--	--	--	--	--	--	--	7.3	--	--	0.0	--
OU2MW-08D	--	--	--	0.0	--	--	0.0	--	--	--	0.0	--	--	2.7	0.0	0.0	--	--
OU2MW-08I	--	--	--	0.0	--	--	0.0	--	--	--	0.0	--	--	2.6	0.0	0.0	--	--
OU2MW-08I2	--	--	--	0.0	--	--	0.0	--	--	--	0.0	--	--	2.7	1.3	0.0	--	--
OU2MW-08S	--	--	--	0.0	--	--	0.0	--	--	--	0.0	--	--	3.0	0.2	0.0	--	--
OU2MW-08WT	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0	0.0	--	0.0	--
OU2MW-01D	--	0.0	--	--	0.0	--	0.0	--	--	--	4.0	1.0	0.0	0.0	0.0	0.3	0.0	2.0
OU2MW-01I	37.0	35.0	37.0	37.0	31.0	32.0	39.0	28.0	44.0	47.0	41.0	38.0	35.0	26.0	20.0	32.0	45.0	46.0
OU2MW-01S	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	--	0.0	0.0	7.0	1.1	--	0.0	0.0
OU2MW-01WT	--	--	--	--	--	--	--	--	--	--	--	--	--	15.7	16.2	--	--	11.0
OU2MW-01I2	0.3	3.0	8.0	6.0	15.0	22.0	28.0	33.0	23.0	8.0	3.0	1.0	0.0	7.0	1.3	17.0	17.0	7.4
Oxidation Reduction Potential (mV)																		
BBMW-25D	--	90	--	--	99	--	172	197	--	--	198	295	278	441	201	265	242	239
BBMW-25I	17.6	163	41	10	52.8	49	20	-2	53	69	--	26	40	208	41	--	59	86
BBMW-25S	216	180	248	137	112.6	146	185	--	260	128	630	--	215	410	201	184	263	172
OU2MW-02D	--	105	--	--	85	--	--	--	--	--	65	--	98	--	--	--	102	--
OU2MW-02I	--	69	--	--	118.2	--	40	--	--	--	52	--	59	--	--	--	32	--
OU2MW-02I2	--	-15	--	--	-25	--	-3	--	--	--	-25	--	1	--	--	--	-15	--
OU2MW-02S	--	-176	--	--	-145	--	-131	--	--	--	57	--	-84	--	--	--	-40	--
OU2MW-03D	--	29	--	--	43	--	9	--	--	--	60	--	90	--	--	--	44	--
OU2MW-03I	--	111	--	--	107	--	131	--	--	--	174	--	218	--	--	--	199	--
OU2MW-03I2	--	-56	--	--	-27	--	-44	--	--	--	-10	--	-124	--	--	--	-16	--
OU2MW-03S	--	-168	--	--	-154	--	47	--	--	--	-129	--	-187	--	--	--	-138	--
OU2MW-04D	--	-29	--	--	-15	--	-7	--	--	--	2	--	-102	--	--	--	-23	--
OU2MW-04I	--	-120	--	--	-93	--	-88	--	--	--	110	--	69	--	--	--	55	--
OU2MW-04I2	--	-49	--	--	-31.5	--	-17	--	--	--	2	--	-80	--	--	--	-35	--
OU2MW-04S	--	-165	--	--	-149	--	-138	--	--	--	-119	--	-144	--	--	--	-132	--
OU2MW-04WT	--	--	--	--	--	--	--	--	--	--	--	--	--	141	--	--	83	--
OU2MW-08D	--	--	--	-21	--	--	35	--	--	--	74	--	--	85	56	29	--	--
OU2MW-08I	--	--	--	-55	--	--	-32	--	--	--	3	--	--	-48	7	-47	--	--
OU2MW-08I2	--	--	--	-132	--	--	-117	--	--	--	-69	--	--	-113	-114	-125	--	--
OU2MW-08S	--	--	--	-143	--	--	-128	--	--	--	-94	--	--	-153	-137	-140	--	--
OU2MW-08WT	--	--	--	--	--	--	--	--	--	--	--	--	--	-3	144	--	97	--
OU2MW-01D	--	104	--	--	62	--	69	--	--	--	402	120	-25	50	38	-37	101	112
OU2MW-01I	207	139	298	163	157	149	188	191	223	197	476	237	101	187	207	203	165	209
OU2MW-01S	-78	-104	-52	-117	-71	-67	-61	-70	-54	-89	--	-96	-64	-44	-28	--	-45	-64
OU2MW-01WT	--	--	--	--	--	--	--	--	--	--	--	--	--	226	97	--	--	112
OU2MW-01I2	-25.9	-45	93	27	148	53	102	85	140	158	144	137	136	226	82	120	200	124

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

Monitoring Well	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07
pH (std. units)																		
BBMW-25D	--	5.71	--	--	5.78	--	5.60	6.06	--	--	4.91	4.68	5.58	5.41	6.34	5.01	5.56	5.15
BBMW-25I	6.51	6.44	6.10	6.49	6.44	6.29	6.47	5.90	6.20	6.12	--	6.21	6.38	6.22	6.15	--	6.69	6.05
BBMW-25S	6.50	6.21	5.02	6.41	6.55	6.39	6.11	--	6.24	6.11	6.20	--	6.39	6.23	6.34	6.06	6.82	6.21
OU2MW-02D	--	4.97	--	--	5.27	--	--	--	--	--	5.40	--	5.64	--	--	--	5.64	--
OU2MW-02I	--	6.22	--	--	6.26	--	6.61	--	--	--	5.48	--	6.06	--	--	--	6.61	--
OU2MW-02I2	--	5.83	--	--	6.11	--	6.43	--	--	--	6.20	--	5.99	--	--	--	6.46	--
OU2MW-02S	--	6.81	--	--	6.72	--	7.15	--	--	--	6.26	--	6.49	--	--	--	6.63	--
OU2MW-03D	--	5.75	--	--	5.97	--	6.43	--	--	--	5.92	--	5.24	--	--	--	6.31	--
OU2MW-03I	--	5.62	--	--	5.81	--	5.99	--	--	--	6.02	--	5.84	--	--	--	5.98	--
OU2MW-03I2	--	6.35	--	--	6.33	--	6.67	--	--	--	6.23	--	6.29	--	--	--	6.68	--
OU2MW-03S	--	6.79	--	--	6.74	--	6.14	--	--	--	6.72	--	6.98	--	--	--	7.42	--
OU2MW-04D	--	6.41	--	--	6.06	--	6.73	--	--	--	6.20	--	6.26	--	--	--	6.72	--
OU2MW-04I	--	6.59	--	--	6.21	--	6.73	--	--	--	5.48	--	5.78	--	--	--	6.17	--
OU2MW-04I2	--	6.40	--	--	6.56	--	6.64	--	--	--	6.25	--	6.39	--	--	--	6.29	--
OU2MW-04S	--	6.91	--	--	6.48	--	7.10	--	--	--	6.78	--	6.93	--	--	--	6.59	--
OU2MW-04WT	--	--	--	--	--	--	--	--	--	--	--	--	--	6.15	--	--	6.70	--
OU2MW-08D	--	--	--	5.98	--	--	6.21	--	--	--	5.63	--	--	5.44	5.70	5.67	--	--
OU2MW-08I	--	--	--	6.40	--	--	6.80	--	--	--	6.14	--	--	6.37	6.28	6.30	--	--
OU2MW-08I2	--	--	--	6.60	--	--	7.00	--	--	--	6.30	--	--	6.61	6.34	6.56	--	--
OU2MW-08S	--	--	--	6.78	--	--	7.23	--	--	--	6.64	--	--	6.75	6.81	6.74	--	--
OU2MW-08WT	--	--	--	--	--	--	--	--	--	--	--	--	--	6.31	6.49	--	6.52	--
OU2MW-01D	--	4.95	--	--	5.53	--	5.56	--	--	--	6.05	4.81	5.33	6.15	5.43	5.69	5.57	5.43
OU2MW-01I	6.26	6.04	5.02	6.20	6.18	6.10	5.96	6.49	5.84	5.90	6.48	5.97	6.15	6.01	5.97	5.73	6.17	5.35
OU2MW-01S	6.50	6.34	6.81	6.57	6.48	6.36	6.65	7.01	6.34	6.25	--	6.34	6.18	6.25	6.33	--	6.75	7.00
OU2MW-01WT	--	--	--	--	--	--	--	--	--	--	--	--	--	6.51	6.32	--	--	6.45
OU2MW-01I2	6.52	6.20	5.66	6.33	6.17	5.91	6.08	6.55	5.79	6.03	5.86	5.91	5.49	5.97	6.12	6.02	6.25	5.73
Teperature (deg C)																		
BBMW-25D	--	19.1	--	--	16.8	--	15.8	13.0	--	--	11.4	14.1	14.8	16.0	19.5	20.2	14.5	18.1
BBMW-25I	15.9	21.0	22.2	17.0	17.2	14.5	16.8	13.7	12.1	13.4	--	15.0	17.0	15.2	18.0	--	18.7	18.4
BBMW-25S	16.4	20.6	24.0	20.8	20.0	16.2	17.4	--	12.1	10.7	17.5	--	17.6	17.1	19.5	22.7	20.8	21.5
OU2MW-02D	--	14.4	--	--	19.9	--	--	--	--	--	11.2	--	12.3	--	--	--	16.6	--
OU2MW-02I	--	16.1	--	--	16.6	--	14.0	--	--	--	11.1	--	13.6	--	--	--	19.8	--
OU2MW-02I2	--	15.2	--	--	17.9	--	15.1	--	--	--	13.0	--	12.4	--	--	--	18.8	--
OU2MW-02S	--	16.3	--	--	17.8	--	17.2	--	--	--	11.5	--	13.2	--	--	--	21.1	--
OU2MW-03D	--	14.0	--	--	14.0	--	13.6	--	--	--	11.6	--	12.3	--	--	--	16.5	--
OU2MW-03I	--	14.4	--	--	14.5	--	14.0	--	--	--	13.1	--	13.0	--	--	--	17.0	--
OU2MW-03I2	--	14.8	--	--	14.2	--	13.8	--	--	--	12.3	--	12.9	--	--	--	16.5	--
OU2MW-03S	--	15.0	--	--	15.2	--	13.5	--	--	--	13.4	--	13.0	--	--	--	17.5	--
OU2MW-04D	--	15.5	--	--	14.1	--	13.6	--	--	--	11.9	--	12.6	--	--	--	18.3	--
OU2MW-04I	--	16.0	--	--	14.6	--	13.9	--	--	--	12.9	--	12.5	--	--	--	17.9	--
OU2MW-04I2	--	15.1	--	--	15.9	--	13.9	--	--	--	10.7	--	13.0	--	--	--	16.2	--
OU2MW-04S	--	15.5	--	--	15.1	--	14.6	--	--	--	11.2	--	11.8	--	--	--	18.5	--
OU2MW-04WT	--	--	--	--	--	--	--	--	--	--	--	--	--	14.3	--	--	20.5	--
OU2MW-08D	--	--	--	17.1	--	--	14.5	--	--	--	11.0	--	--	16.9	16.3	15.9	--	--
OU2MW-08I	--	--	--	17.1	--	--	15.3	--	--	--	12.1	--	--	18.2	15.9	16.6	--	--
OU2MW-08I2	--	--	--	16.1	--	--	14.8	--	--	--	12.1	--	--	17.4	16.4	16.1	--	--
OU2MW-08S	--	--	--	18.1	--	--	16.9	--	--	--	12.5	--	--	17.4	17.4	17.1	--	--
OU2MW-08WT	--	--	--	--	--	--	--	--	--	--	--	--	--	20.3	20.3	--	20.9	--
OU2MW-01D	--	16.3	--	--	18.3	--	16.0	--	--	--	14.9	15.6	14.9	17.9	16.8	18.5	19.4	14.3
OU2MW-01I	15.8	16.8	22.1	19.1	17.6	14.0	16.1	11.2	8.5	9.8	15.3	19.9	16.3	19.1	19.3	21.6	21.2	14.6
OU2MW-01S	15.9	18.1	23.7	21.0	18.2	16.6	17.0	12.0	8.5	11.4	--	17.8	15.4	15.5	17.6	--	24.9	15.3
OU2MW-01WT	--	--	--	--	--	--	--	--	--	--	--	--	--	17.1	21.3	--	--	16.7
OU2MW-01I2	15.6	16.9	20.2	20.9	17.9	11.2	15.7	12.1	7.5	12.4	15.0	15.0	16.0	15.0	19.6	23.0	18.9	14.5

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

Monitoring Well	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08
Conductivity (mS/cm)								
BBMW-25D	0.052	0.049	0.063	0.047	0.085	0.072	0.070	0.073
BBMW-25I	0.433	0.558	0.580	0.504	0.726	0.537	0.491	0.550
BBMW-25S	0.209	0.316	0.267	0.276	0.342	0.203	0.215	0.301
OU2MW-02D	0.035	--	--	0.039	--	--	0.046	--
OU2MW-02I	0.237	--	--	0.230	--	--	0.201	--
OU2MW-02I2	0.071	--	--	0.080	--	--	0.064	--
OU2MW-02S	0.448	--	--	0.453	--	--	0.467	--
OU2MW-03D	0.036	--	--	0.040	--	--	0.040	--
OU2MW-03I	0.260	--	--	0.300	--	--	0.324	--
OU2MW-03I2	0.061	--	--	0.049	--	--	0.052	--
OU2MW-03S	0.455	--	--	0.618	--	--	0.625	--
OU2MW-04D	0.048	--	--	0.053	--	--	0.048	--
OU2MW-04I	0.324	--	--	0.441	--	--	0.196	--
OU2MW-04I2	0.044	--	--	0.048	--	--	0.063	--
OU2MW-04S	0.569	--	--	0.650	--	--	0.635	--
OU2MW-04WT	--	--	--	0.141	--	--	0.139	--
OU2MW-08D	0.035	--	--	0.037	--	--	--	0.044
OU2MW-08I	0.303	--	--	0.436	--	--	--	0.576
OU2MW-08I2	0.562	--	--	0.501	--	--	--	0.641
OU2MW-08S	0.470	--	--	0.446	--	--	--	0.490
OU2MW-08WT	--	--	--	0.423	--	--	--	--
OU2MW-01D	0.034	0.044	0.816	0.036	0.055	0.042	0.060	0.056
OU2MW-01I	0.475	0.523	0.489	0.404	0.906	0.422	0.387	0.488
OU2MW-01S	0.460	0.582	0.919	0.531	0.900	0.071	0.057	0.072
OU2MW-01WT	0.393	0.459	0.598	0.653	--	0.491	0.541	0.544
OU2MW-01I2	0.070	0.102	0.342	0.080	0.105	1.070	1.040	0.620
Dissolved Oxygen (mg/L)								
BBMW-25D	43.0	43.0	48.0	23.0	18.0	25.0	19.0	25.0
BBMW-25I	19.0	26.0	6.0	12.0	9.0	0.0	4.0	3.0
BBMW-25S	31.0	31.0	28.0	22.0	32.0	31.0	23.0	24.0
OU2MW-02D	0.0	--	--	0.0	--	--	0.0	--
OU2MW-02I	2.1	--	--	1.0	--	--	0.0	--
OU2MW-02I2	0.0	--	--	0.0	--	--	0.0	--
OU2MW-02S	10.5	--	--	3.7	--	--	0.0	--
OU2MW-03D	0.0	--	--	0.0	--	--	0.0	--
OU2MW-03I	13.6	--	--	20.0	--	--	20.0	--
OU2MW-03I2	0.0	--	--	0.0	--	--	0.0	--
OU2MW-03S	0.0	--	--	0.0	--	--	0.0	--
OU2MW-04D	0.0	--	--	0.0	--	--	0.0	--
OU2MW-04I	4.7	--	--	0.0	--	--	0.3	--
OU2MW-04I2	0.0	--	--	0.0	--	--	0.0	--
OU2MW-04S	0.0	--	--	0.0	--	--	0.1	--
OU2MW-04WT	--	--	--	4.6	--	--	6.7	--
OU2MW-08D	0.0	--	--	0.0	--	--	--	0.4
OU2MW-08I	0.0	--	--	0.0	--	--	--	0.3
OU2MW-08I2	0.0	--	--	0.0	--	--	--	0.4
OU2MW-08S	0.0	--	--	--	--	--	--	0.4
OU2MW-08WT	--	--	--	8.0	--	--	--	--
OU2MW-01D	4.0	4.0	2.0	1.0	2.0	0.0	3.0	2.0
OU2MW-01I	31.0	48.0	42.0	31.0	11.0	42.0	28.0	18.0
OU2MW-01S	4.8	4.0	2.0	0.0	0.0	3.0	5.0	4.0
OU2MW-01WT	10.0	20.0	19.0	10.0	--	22.0	5.0	21.0
OU2MW-01I2	5.0	5.0	5.0	9.0	5.0	7.0	24.0	21.0
Oxidation Reduction Potential (mV)								
BBMW-25D	288	231	253	218	220	235	238	158
BBMW-25I	107	64	55	11	-6	-30	-41	-60
BBMW-25S	193	171	195	149	229	207	172	150
OU2MW-02D	112	--	--	78	--	--	99	--
OU2MW-02I	73	--	--	22	--	--	-17	--
OU2MW-02I2	18	--	--	-11	--	--	3	--
OU2MW-02S	65	--	--	75	--	--	-61	--
OU2MW-03D	78	--	--	41	--	--	35	--
OU2MW-03I	177	--	--	203	--	--	193	--
OU2MW-03I2	16	--	--	13	--	--	11	--
OU2MW-03S	-130	--	--	0.134	--	--	-126	--
OU2MW-04D	22	--	--	-37	--	--	-43	--
OU2MW-04I	48	--	--	22	--	--	-4	--
OU2MW-04I2	10	--	--	130	--	--	-13	--
OU2MW-04S	-94	--	--	-133	--	--	-130	--
OU2MW-04WT	--	--	--	177	--	--	163	--
OU2MW-08D	91	--	--	57	--	--	--	94
OU2MW-08I	-28	--	--	-39	--	--	--	-26
OU2MW-08I2	-94	--	--	-114	--	--	--	-116
OU2MW-08S	-131	--	--	--	--	--	--	-136
OU2MW-08WT	--	--	--	150	--	--	--	--
OU2MW-01D	133	26	55	97	109	95	162	110
OU2MW-01I	184	156	190	172	222	177	177	171
OU2MW-01S	-15	-77	-51	-34	-23	7	-3	-35
OU2MW-01WT	135	130	171	162	--	216	150	72
OU2MW-01I2	174	87	144	155	175	115	176	157

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

Monitoring Well	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08
pH (std. units)								
BBMW-25D	5.27	4.98	4.85	5.13	5.31	5.16	4.74	4.99
BBMW-25I	6.22	6.29	6.40	5.87	5.98	6.51	6.34	6.09
BBMW-25S	6.19	6.36	5.58	5.89	5.79	6.10	6.16	5.83
OU2MW-02D	5.34	--	--	5.50	--	--	5.07	--
OU2MW-02I	6.16	--	--	5.98	--	--	5.74	--
OU2MW-02I2	6.16	--	--	6.01	--	--	6.30	--
OU2MW-02S	6.29	--	--	6.40	--	--	6.32	--
OU2MW-03D	5.72	--	--	5.67	--	--	5.87	--
OU2MW-03I	5.52	--	--	5.38	--	--	5.41	--
OU2MW-03I2	6.01	--	--	5.83	--	--	5.89	--
OU2MW-03S	7.00	--	--	6.23	--	--	6.45	--
OU2MW-04D	6.16	--	--	6.31	--	--	6.37	--
OU2MW-04I	6.04	--	--	5.75	--	--	6.06	--
OU2MW-04I2	6.54	--	--	6.01	--	--	6.34	--
OU2MW-04S	6.96	--	--	6.36	--	--	6.44	--
OU2MW-04WT	--	--	--	5.84	--	--	5.84	--
OU2MW-08D	5.51	--	--	5.60	--	--	--	5.18
OU2MW-08I	6.72	--	--	5.99	--	--	--	5.96
OU2MW-08I2	7.30	--	--	6.23	--	--	--	6.33
OU2MW-08S	7.70	--	--	--	--	--	--	6.44
OU2MW-08WT	--	--	--	6.30	--	--	--	--
OU2MW-01D	5.32	5.81	6.85	5.33	5.31	5.75	5.39	5.22
OU2MW-01I	6.00	6.01	5.64	5.73	5.41	6.11	5.94	5.63
OU2MW-01S	6.42	6.76	7.13	5.87	5.59	6.23	5.73	5.83
OU2MW-01WT	6.67	6.31	6.17	6.08	--	6.56	6.14	6.09
OU2MW-01I2	5.83	6.06	6.59	5.80	5.65	6.20	5.96	5.37
Teperature (deg C)								
BBMW-25D	11.2	10.1	8.8	7.9	11.6	15.7	15.1	18.6
BBMW-25I	13.1	11.5	11.3	11.4	12.3	16.7	19.9	18.9
BBMW-25S	14.9	11.6	8.5	9.3	9.9	15.7	16.8	19.8
OU2MW-02D	10.7	--	--	9.3	--	--	11.7	--
OU2MW-02I	11.4	--	--	8.5	--	--	13.6	--
OU2MW-02I2	11.6	--	--	9.7	--	--	12.2	--
OU2MW-02S	11.2	--	--	7.6	--	--	13.5	--
OU2MW-03D	13.0	--	--	11.1	--	--	12.7	--
OU2MW-03I	13.8	--	--	12.4	--	--	13.7	--
OU2MW-03I2	13.3	--	--	11.6	--	--	12.9	--
OU2MW-03S	15.0	--	--	12.7	--	--	13.0	--
OU2MW-04D	9.2	--	--	9.1	--	--	14.8	--
OU2MW-04I	11.5	--	--	11.7	--	--	15.2	--
OU2MW-04I2	11.7	--	--	9.1	--	--	14.2	--
OU2MW-04S	10.5	--	--	13.9	--	--	14.2	--
OU2MW-04WT	--	--	--	4.6	--	--	13.9	--
OU2MW-08D	13.8	--	--	11.8	--	--	--	14.3
OU2MW-08I	14.2	--	--	13.2	--	--	--	14.6
OU2MW-08I2	13.9	--	--	12.5	--	--	--	14.7
OU2MW-08S	16.0	--	--	--	--	--	--	15.0
OU2MW-08WT	--	--	--	10.5	--	--	--	--
OU2MW-01D	13.7	11.8	7.9	11.9	12.2	16.9	17.1	20.7
OU2MW-01I	12.2	10.4	9.5	12.4	11.6	18.6	15.8	19.0
OU2MW-01S	12.3	10.3	9.8	12.3	13.0	15.4	15.9	20.2
OU2MW-01WT	14.3	10.6	8.0	7.3	--	12.0	17.2	19.9
OU2MW-01I2	13.6	12.3	7.6	11.4	12.0	16.6	15.3	21.3

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

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

Monitoring Well	Apr-04	Aug-04	Dec-04	Mar-05	Jun-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Feb-06	Mar-06	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06
Conductivity (mS/cm)																					
GMP-02	0.479	0.391	0.440	0.493	0.612	0.441	--	--	--	0.895	--	0.613	--	--	0.500	--	0.467	--	--	--	0.640
GMP-04	0.442	0.676	0.409	0.325	0.529	0.342	--	--	--	0.650	--	0.605	--	--	0.550	--	0.433	--	--	--	0.742
GMP-01	--	0.472	0.369	0.413	0.663	0.458	--	--	--	0.785	--	0.603	--	--	0.427	--	0.442	--	--	--	0.866
OU2MW-06S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-06	--	--	--	--	--	--	--	--	0.214	--	0.152	0.178	0.188	0.159	0.095	0.086	0.133	0.118	0.064	0.259	0.171
OU2MW-07S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-07	--	--	--	--	--	--	--	--	--	--	0.413	--	--	--	0.249	0.356	0.274	0.279	0.307	0.549	0.289
Dissolved Oxygen (mg/L)																					
GMP-02	0.0	0.0	0.0	0.3	0.0	0.0	--	--	--	0.0	--	11.3	--	--	20.0	--	20.0	--	--	--	15.0
GMP-04	0.0	0.0	0.0	0.3	0.0	0.0	--	--	--	0.0	--	0.0	--	--	1.2	--	0.0	--	--	--	1.2
GMP-01	--	0.0	0.0	0.3	0.0	0.0	--	--	--	0.0	--	0.0	--	--	1.0	--	0.0	--	--	--	1.2
OU2MW-06S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-06	--	--	--	--	--	--	--	--	0.0	--	0.0	0.0	0.1	25.0	26.0	41.0	19.0	30.0	49.0	51.0	35.0
OU2MW-07S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-07	--	--	--	--	--	--	--	--	--	--	7.0	--	--	--	40.0	6.0	31.0	36.0	43.0	40.0	35.0
Oxidation Reduction Potential (ORP)																					
GMP-02	-127	-106	-93	-124	-108	-91	--	--	--	-108	--	82	--	--	109	--	107	--	--	--	114
GMP-04	-119	-123	-118	-126	-141	-142	--	--	--	-139	--	-144	--	--	-132	--	-93	--	--	--	-59
GMP-01	--	-155	-138	-149	-159	-163	--	--	--	-156	--	-164	--	--	-160	--	-174	--	--	--	-168
OU2MW-06S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-06	--	--	--	--	--	--	--	--	-344	--	-104	-105	19	218	269	318	191	167	171	150	239
OU2MW-07S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-07	--	--	--	--	--	--	--	--	--	--	7	--	--	--	203	204	140	138	150	101	230
pH (std. units)																					
GMP-02	6.79	6.53	6.63	6.55	6.63	6.61	--	--	--	6.55	--	6.08	--	--	6.20	--	6.28	--	--	--	6.63
GMP-04	6.91	6.74	6.66	6.69	6.83	6.77	--	--	--	6.75	--	6.75	--	--	6.75	--	6.45	--	--	--	6.82
GMP-01	--	6.84	6.80	6.74	6.85	6.89	--	--	--	6.75	--	6.81	--	--	7.10	--	6.93	--	--	--	7.28
OU2MW-06S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-06	--	--	--	--	--	--	--	--	7.68	--	6.87	6.73	6.28	5.36	5.04	4.69	5.61	5.98	6.05	6.11	6.47
OU2MW-07S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-07	--	--	--	--	--	--	--	--	--	--	6.33	--	--	--	5.68	5.61	6.10	6.39	6.21	6.56	6.35
Temperature (deg C)																					
GMP-02	12.3	15.8	12.1	10.0	13.9	15.3	--	--	--	13.3	--	12.4	--	--	13.6	--	14.9	--	--	--	13.1
GMP-04	11.9	16.1	13.2	11.1	13.4	16.4	--	--	--	15.2	--	11.9	--	--	13.3	--	16.5	--	--	--	15.5
GMP-01	--	16.7	12.6	11.9	14.3	16.3	--	--	--	13.5	--	12.1	--	--	14.1	--	15.6	--	--	--	14.3
OU2MW-06S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-06	--	--	--	--	--	--	--	--	14.7	--	12.0	11.9	10.7	13.9	14.5	16.8	14.7	15.4	14.4	13.7	11.7
OU2MW-07S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-07	--	--	--	--	--	--	--	--	--	--	12.3	--	--	--	14.8	17.0	15.7	16.7	15.7	15.4	13.4

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

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

Monitoring Well	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Aug-07	Sep-07	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08
Conductivity (mS/cm)																	
GMP-02	--	--	--	0.598	0.771	--	--	0.586	--	--	0.756	--	0.511	--	--	--	--
GMP-04	--	--	--	--	0.524	--	--	0.450	--	--	0.500	--	0.489	--	--	--	--
GMP-01	--	--	--	0.631	0.562	--	--	0.263	--	--	0.607	--	0.660	--	--	--	--
OU2MW-06S	--	--	--	--	--	0.294	--	0.169	0.138	0.216	0.166	0.222	0.196	--	0.420	0.628	0.604
OU2MW-06	0.429	0.437	0.329	0.327	0.284	--	0.225	0.314	0.098	0.315	0.308	0.274	0.313	0.440	0.302	0.419	0.340
OU2MW-07S	--	--	--	--	--	0.167	--	0.126	0.116	0.112	0.166	0.253	0.139	--	0.407	0.442	0.424
OU2MW-07	0.511	0.491	0.319	0.437	0.531	--	0.334	0.365	0.339	0.339	0.467	0.421	0.358	0.420	0.274	0.294	0.287
Dissolved Oxygen (mg/L)																	
GMP-02	--	--	--	20.0	20.0	--	--	20.0	--	--	20.0	--	20.0	--	--	--	--
GMP-04	--	--	--	--	0.8	--	--	0.0	--	--	0.0	--	5.4	--	--	--	--
GMP-01	--	--	--	0.0	1.1	--	--	0.0	--	--	0.0	--	2.8	--	--	--	--
OU2MW-06S	--	--	--	--	--	15.7	--	4.0	8.0	15.0	16.0	16.0	8.0	--	27.0	27.0	19.0
OU2MW-06	29.0	20.0	28.0	35.0	30.0	--	23.0	23.0	23.0	30.0	32.0	40.0	25.0	16.0	14.0	7.0	7.0
OU2MW-07S	--	--	--	--	--	20.0	--	10.9	17.0	14.0	13.0	8.0	8.0	--	38.0	35.0	29.0
OU2MW-07	31.0	34.0	40.0	36.0	37.0	--	12.0	36.0	29.0	34.0	32.0	28.0	25.0	22.0	13.0	8.0	13.0
Oxidation Reduction Potential (ORP)																	
GMP-02	--	--	--	8	164	--	--	130	--	--	346	--	138	--	--	--	--
GMP-04	--	--	--	--	-37	--	--	-31	--	--	-59	--	-1	--	--	--	--
GMP-01	--	--	--	-249	-168	--	--	-165	--	--	-129	--	-159	--	--	--	--
OU2MW-06S	--	--	--	--	--	349	--	186	196	358	133	208	159	--	221	180	144
OU2MW-06	52	-171	180	232	229	--	198	53	216	350	166	230	220	215	206	150	120
OU2MW-07S	--	--	--	--	--	399	--	169	175	206	210	192	190	--	225	189	164
OU2MW-07	57	-154	228	185	198	--	180	62	201	222	212	204	210	229	219	211	169
pH (std. units)																	
GMP-02	--	--	--	6.05	6.30	--	--	6.08	--	--	5.73	--	6.41	--	--	--	--
GMP-04	--	--	--	--	6.44	--	--	7.05	--	--	6.55	--	5.96	--	--	--	--
GMP-01	--	--	--	6.71	6.94	--	--	7.81	--	--	6.96	--	7.27	--	--	--	--
OU2MW-06S	--	--	--	--	--	6.47	--	6.83	5.92	5.32	5.62	6.47	6.03	--	6.16	5.85	5.88
OU2MW-06	5.56	5.68	6.29	5.95	6.03	--	5.74	6.25	5.57	5.08	5.47	6.16	5.59	5.79	6.48	6.50	6.04
OU2MW-07S	--	--	--	--	--	5.88	--	5.84	5.46	5.77	5.76	6.47	5.65	--	6.27	5.85	5.75
OU2MW-07	6.10	6.03	6.52	5.95	6.19	--	5.83	6.62	5.56	5.87	6.01	6.43	5.74	5.84	6.10	5.88	5.54
Temperature (deg C)																	
GMP-02	--	--	--	11.9	11.8	--	--	17.4	--	--	12.7	--	10.3	--	--	--	--
GMP-04	--	--	--	--	11.8	--	--	19.5	--	--	14.8	--	11.6	--	--	--	--
GMP-01	--	--	--	12.2	13.0	--	--	18.6	--	--	10.1	--	11.5	--	--	--	--
OU2MW-06S	--	--	--	--	--	18.8	--	20.9	18.9	11.5	7.0	4.8	6.1	--	11.9	12.3	18.9
OU2MW-06	12.2	7.5	11.8	18.6	18.0	--	18.3	16.5	17.3	11.8	9.2	8.1	9.3	13.5	10.3	13.3	21.9
OU2MW-07S	--	--	--	--	--	16.6	--	22.0	19.3	15.0	9.7	7.9	6.7	--	13.0	14.0	19.1
OU2MW-07	12.8	10.3	11.9	14.0	12.2	--	16.7	18.2	17.2	14.7	11.5	11.3	10.4	11.5	11.1	13.2	21.0

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

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	4/30/2008	14:16	2.00	19.65	6.38	13.27	
BBMW-01I	4/30/2008	14:18	2.00	19.23	5.98	13.25	
BBMW-01D	4/30/2008	14:13	2.00	19.20	5.91	13.29	
BBMW-02S	4/30/2008	14:52	2.00	16.83	4.60	12.23	
BBMW-02I	4/30/2008	14:53	2.00	16.96	4.72	12.24	
BBMW-02D	4/30/2008	14:54	2.00	17.13	4.91	12.22	
BBMW-03S	5/1/2008	8:53	2.00	11.33	3.12	8.21	
BBMW-03I	5/1/2008	8:54	2.00	11.19	2.97	8.22	
BBMW-03D	5/1/2008	8:55	2.00	11.24	3.01	8.23	
BBMW-04D	4/30/2008	10:50	2.00	19.75	4.97	14.78	
BBMW-07S	5/1/2008	14:11	2.00	12.80	6.83	5.97	
BBMW-07I	5/1/2008	14:12	2.00	12.60	6.64	5.96	
BBMW-07D	5/1/2008	14:13	2.00	12.58	6.60	5.98	
BBMW-15S	4/30/2008	14:42	2.00	15.92	5.01	10.91	
BBMW-15I	4/30/2008	14:43	2.00	15.82	4.97	10.85	
BBMW-15I2	4/30/2008	14:44	2.00	15.79	4.92	10.87	
BBMW-15D	4/30/2008	14:45	2.00	15.63	4.77	10.86	
BBMW-16S	5/1/2008	14:58	2.00	19.04	8.90	10.14	
BBMW-16I	5/1/2008	14:59	2.00	19.43	9.25	10.18	
BBMW-16D	5/1/2008	15:00	2.00	18.97	8.74	10.23	
BBMW-23S	4/30/2008	14:03	1.00	19.13	5.46	13.67	
BBMW-23I	4/30/2008	14:05	1.00	19.20	5.52	13.68	
BBMW-23D	4/30/2008	13:57	1.00	19.17	5.46	13.71	
BBMW-23D2	4/30/2008	14:08	2.00	18.61	4.93	13.68	
BBMW-24S	4/30/2008	14:29	1.00	18.14	6.82	11.32	
BBMW-24I	4/30/2008	14:30	1.00	18.01	6.71	11.30	
BBMW-24D	4/30/2008	14:31	1.00	17.76	6.45	11.31	
BBMW-25S	5/1/2008	8:06	1.00	12.80	4.03	8.77	
BBMW-25I	5/1/2008	8:08	1.00	12.79	4.02	NC	
BBMW-25D	5/1/2008	8:10	1.00	12.70	3.95	8.75	
GM-03S	4/30/2008	15:01	1.25	15.70	5.62	10.08	
GM-03I	4/30/2008	15:02	1.25	15.61	5.55	10.06	
GM-03D	4/30/2008	15:03	1.25	15.78	5.70	10.08	
GM-05S	5/1/2008	11:08	1.25	5.73	2.53	3.20	
GM-05I	5/1/2008	11:09	1.25	5.92	2.53	3.39	
GM-05D	5/1/2008	11:10	1.25	7.87	NM	NC	Artesian Conditions
GM-06S	5/1/2008	14:19	1.25	9.52	5.81	3.71	
GM-06I	5/1/2008	14:20	1.25	9.56	5.84	3.72	
GM-06D	5/1/2008	14:20	1.25	9.66	5.96	3.70	
GM-07S	5/1/2008	14:44	1.25	10.61	7.88	2.73	
GM-07I	5/1/2008	14:45	1.25	10.53	7.81	2.72	
GM-07D	5/1/2008	14:45	1.25	10.75	8.03	2.72	
GM-08S	5/1/2008	11:00	1.25	3.90	2.77	1.13	
GM-08I	5/1/2008	11:02	1.25	4.05	2.92	1.13	
GM-08D	5/1/2008	11:03	1.25	3.91	2.78	1.13	
GM-09S	5/1/2008	14:26	1.25	3.22	2.33	0.89	
GM-09I	5/1/2008	14:30	1.25	3.41	2.51	0.90	
GM-09D	5/1/2008	14:32	1.25	3.09	2.19	0.90	
GM-10AD	5/1/2008	14:40	2.00	8.07	6.24	1.83	
GMP-01	5/1/2008	10:04	0.75	6.58	2.92	3.66	
GMP-02	5/1/2008	10:38	0.75	6.28	3.39	2.89	
GMP-04	5/1/2008	13:51	0.75	3.74	2.74	1.00	
MW-16AS	5/1/2008	15:07	2.00	16.16	5.00	11.16	
OU2-IW01S	5/1/2008	11:43	2.00	5.95	2.98	2.97	
OU2MW-01WT	5/1/2008	8:13	1.00	12.86	4.16	8.70	
OU2MW-01S	5/1/2008	8:33	2.00	12.41	3.90	8.51	
OU2MW-01I	5/1/2008	8:35	2.00	12.47	3.95	8.52	
OU2MW-01I2	5/1/2008	8:35	2.00	12.28	3.81	8.47	
OU2MW-01D	5/1/2008	8:36	2.00	12.35	2.37	9.98	
OU2MW-02S	5/1/2008	8:43	2.00	11.58	3.15	8.43	
OU2MW-02I	5/1/2008	8:44	2.00	11.59	3.17	8.42	

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-02I2	5/1/2008	8:44	2.00	11.74	3.33	8.41	
OU2MW-02D	5/1/2008	8:45	2.00	11.53	2.91	8.62	
OU2MW-03S	5/1/2008	9:28	2.00	11.23	4.22	7.01	
OU2MW-03I	5/1/2008	9:28	2.00	11.15	4.13	7.02	
OU2MW-03I2	5/1/2008	9:29	2.00	11.15	4.14	7.01	
OU2MW-03D	5/1/2008	9:30	2.00	11.14	2.30	8.84	
OU2MW-04WT	5/1/2008	9:16	1.00	10.34	3.81	6.53	
OU2MW-04S	5/1/2008	9:17	2.00	10.18	3.47	6.71	
OU2MW-04I	5/1/2008	9:18	2.00	10.10	3.37	6.73	
OU2MW-04I2	5/1/2008	9:18	2.00	10.05	3.32	6.73	
OU2MW-04D	5/1/2008	9:19	2.00	10.08	3.34	6.74	
OU2MW-05	5/1/2008	12:03	2.00	6.32	2.03	4.29	
OU2MW-06	5/1/2008	13:46	2.00	4.44	2.28	2.16	
OU2MW-06S	5/1/2008	13:45	2.00	4.83	2.61	2.22	
OU2MW-07	5/1/2008	13:41	2.00	5.34	3.45	1.89	
OU2MW-07S	5/1/2008	13:40	2.00	5.47	3.53	1.94	
OU2MW-08WT	4/30/2008	15:13	2.00	14.93	6.06	8.87	
OU2MW-08S	5/1/2008	15:14	2.00	14.77	5.91	8.86	
OU2MW-08I	5/1/2008	15:14	2.00	14.70	5.84	8.86	
OU2MW-08I2	5/1/2008	15:15	2.00	14.78	5.20	9.58	
OU2MW-08D	5/1/2008	15:16	2.00	14.87	5.15	9.72	
OU2MW-09	5/1/2008	8:52	2.00	11.26	3.06	8.20	
OU2MW-10S	5/1/2008	10:48	2.00	5.31	2.71	2.60	
OU2MW-10I	5/1/2008	10:49	2.00	5.42	2.81	2.61	
OU2MW-10D	5/1/2008	10:50	2.00	5.43	2.83	2.60	
OU2MW-11S	5/1/2008	11:53	2.00	6.69	2.77	3.92	
OU2MW-11I	5/1/2008	11:54	2.00	6.72	2.83	3.89	
OU2MW-11I2	5/1/2008	11:55	2.00	6.53	2.67	3.86	
OU2MW-11D	5/1/2008	11:56	2.00	6.65	2.80	3.85	
OU2MW-12S	5/1/2008	10:28	2.00	5.70	2.46	3.24	
OU2MW-12I	5/1/2008	10:29	2.00	5.73	2.39	3.34	
OU2MW-12I2	5/1/2008	10:29	2.00	5.81	2.54	3.27	
OU2MW-12D	5/1/2008	10:30	2.00	5.59	2.33	3.26	
OU2MW-13S	5/1/2008	10:14	2.00	4.78	2.51	2.27	
OU2MW-13I	5/1/2008	10:15	2.00	4.81	2.60	2.21	
OU2MW-13D	5/1/2008	10:16	2.00	4.94	2.74	2.20	
OU2MW-14S	5/1/2008	6:45	1.00	14.58	5.95	8.63	
OU2MW-14I	5/1/2008	6:46	1.00	14.75	5.88	8.87	
OU2MW-14I2	5/1/2008	6:54	1.00	14.77	5.88	8.89	
OU2MW-15S	5/1/2008	11:20	2.00	4.80	2.16	2.64	
OU2MW-15I	5/1/2008	11:20	2.00	5.09	2.46	2.63	
OU2MW-15I2	5/1/2008	11:21	2.00	5.13	2.48	2.65	
OU2MW-15D	5/1/2008	11:22	2.00	5.21	2.55	2.66	
OU2MW-16S	5/1/2008	11:33	2.00	5.44	2.61	2.83	
OU2MW-16I	5/1/2008	11:34	2.00	5.31	2.56	2.75	
OU2MW-16I2	5/1/2008	11:35	2.00	5.31	2.54	2.77	
OU2MW-16D	5/1/2008	11:36	2.00	5.61	2.86	2.75	
OU2SW-01*	5/1/2008	13:53	NA	2.65	3.20	-0.55	
BBSW-06*	5/1/2008	13:54	NA	2.08	2.51	-0.43	Boat Basin
BBSW-07*	5/1/2008	13:57	NA	6.83	1.83	5.00	Weir

Notes:

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

NS - 2007 Survey Data Not Available

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

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

Well Identification	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)													Minimum	Average	Maximum
		May-05	Aug-05	Nov-05	Feb-06	May-06	July/Aug-06	Nov-06	Jan-07	May-07	July/Aug-07	Oct/Nov-07	Jan-08	Apr/May-08			
BBMW-01S	5.0 - 15.0	13.03	11.91	13.41	13.36	12.95	12.64	14.10	13.03	13.36	12.63	11.91	12.78	13.27	11.91	12.89	14.11
BBMW-01I	32.0 - 42.0	13.01	11.89	13.49	13.34	12.94	12.63	13.09	13.01	13.34	12.62	11.90	12.77	13.25	11.89	12.83	14.09
BBMW-01D	68.5 - 78.5	13.07	11.92	13.50	13.36	12.96	12.64	13.10	13.02	13.38	12.64	11.91	12.79	13.29	11.91	12.90	14.40
BBMW-02S	5.0 - 15.0	12.06	10.99	12.45	12.36	12.00	11.62	12.12	12.07	12.35	11.56	11.00	11.85	12.23	10.99	11.84	13.10
BBMW-02I	30.0 - 40.0	12.03	10.96	12.43	12.32	11.95	11.59	12.08	12.02	12.35	11.55	11.00	11.85	12.24	10.96	11.81	13.08
BBMW-02D	73.0 - 83.0	12.01	10.93	12.41	12.31	11.95	11.58	12.06	12.02	12.33	11.54	10.98	11.84	12.22	10.93	11.77	13.08
BBMW-03S	3.0 - 13.0	8.09	7.36	8.43	8.29	8.00	7.65	8.19	8.02	8.27	7.71	7.36	7.92	8.21	7.36	7.93	9.01
BBMW-03I	30.0 - 40.0	8.09	7.75	8.82	8.29	8.00	7.64	7.99	8.01	8.28	7.71	7.37	7.89	8.22	7.37	7.95	8.97
BBMW-03D	52.0 - 62.0	8.12	7.35	8.44	8.31	8.03	NM	8.14	8.05	8.32	7.74	7.38	7.92	8.23	7.35	7.96	8.99
BBMW-04D	63.0 - 73.0	14.39	13.18	14.96	14.67	14.31	14.01	14.48	14.39	NM	NM	13.28	14.20	14.78	12.03	14.05	15.48
BBMW-07S	5.0 - 15.0	5.80	5.12	6.29	NM	5.75	5.52	5.89	5.63	NM	NM	4.18	5.63	5.97	4.18	5.66	6.83
BBMW-07I	30.0 - 40.0	5.83	5.13	6.29	NM	5.76	5.53	5.91	5.63	NM	NM	5.16	5.57	5.96	5.13	5.71	6.83
BBMW-07D	55.0 - 65.0	5.82	5.11	6.29	NM	5.77	5.51	5.94	5.64	NM	NM	5.15	5.62	5.98	5.11	5.70	6.82
BBMW-15S	5.0 - 15.0	10.69	9.71	11.09	10.98	10.66	10.23	10.75	10.71	11.01	10.26	9.81	10.57	10.91	9.71	10.53	11.72
BBMW-15I	35.0 - 45.0	10.67	9.66	11.03	10.91	10.61	10.18	10.73	10.66	10.98	10.27	9.78	10.54	10.85	9.66	10.49	11.71
BBMW-15I2	23.0 - 28.0	10.60	9.66	11.05	10.93	10.62	10.21	10.73	10.67	10.98	10.19	9.77	10.60	10.87	9.66	10.46	11.66
BBMW-15D	70.0 -80.0	10.63	9.66	11.04	10.92	10.62	10.19	10.71	10.67	10.96	10.22	9.77	10.54	10.86	9.66	10.48	11.76
BBMW-16S	5.0 - 15.0	10.05	9.04	10.45	10.30	10.00	14.62	10.10	10.02	10.28	9.56	9.14	9.80	10.14	9.04	10.22	14.62
BBMW-16I	35.0 - 45.0	10.08	9.05	10.47	10.33	10.02	9.63	10.14	10.06	10.32	9.58	9.16	9.77	10.18	9.05	9.90	10.82
BBMW-16D	68.0 - 78.0	10.06	9.03	10.46	10.32	10.01	9.62	10.12	10.06	10.32	9.56	9.15	9.82	10.23	9.03	9.91	10.86
BBMW-23S	5.0 - 15.0	13.46	12.32	14.00	13.78	13.37	13.06	13.52	13.48	13.76	10.35	12.31	13.19	13.67	10.35	13.14	14.55
BBMW-23I	33.0 - 43.0	13.46	12.31	13.92	13.79	13.38	13.07	13.51	13.47	13.76	10.48	12.31	13.19	13.68	10.48	13.15	14.55
BBMW-23D	49.5 - 59.5	13.47	12.32	13.95	13.79	13.39	13.08	13.53	13.49	13.81	10.29	12.28	13.19	13.71	10.29	13.15	14.55
BBMW-23D2	63.0 - 73.0	13.47	12.32	13.93	13.78	13.38	13.07	13.52	13.48	13.76	10.31	12.31	13.16	13.68	10.31	13.15	14.57
BBMW-24S	4.0 - 14.0	11.09	10.04	11.53	11.39	11.02	10.67	11.09	11.06	11.41	9.41	10.12	10.86	11.32	9.41	10.88	12.15
BBMW-24I	32.0 - 42.0	11.09	10.02	11.51	11.37	10.99	10.66	11.07	11.04	11.43	9.44	10.11	10.82	11.30	9.44	10.87	12.15
BBMW-24D	59.5 - 69.5	11.09	10.03	11.52	11.38	11.03	10.67	11.10	11.07	11.43	9.44	10.13	10.88	11.31	9.44	10.88	12.16
BBMW-25S	4.0 - 14.0	8.01	7.64	8.99	8.84	8.49	NM	8.55	8.53	8.84	NM	7.78	8.37	8.77	7.23	8.15	8.99
BBMW-25I	25.0 - 35.0	8.02	7.66	8.99	8.84	8.49	NM	8.55	8.55	8.86	NM	NC	NC	NC	7.25	8.14	8.99
BBMW-25D	62.0 - 72.0	7.97	NM	8.99	NM	8.49	NM	8.55	8.52	8.83	NM	7.76	8.46	8.75	7.18	8.14	8.99
GM-03S	6.78 - 21.78	9.96	8.94	10.42	10.26	9.90	9.53	9.97	9.92	10.18	9.44	8.97	9.64	10.08	8.94	9.69	10.83
GM-03I	30.03 - 45.03	9.80	8.76	10.24	10.09	9.73	9.36	9.80	9.75	10.17	9.43	8.98	9.64	10.06	8.76	9.56	10.67
GM-03D	53.18 - 68.18	9.95	8.86	10.34	10.19	9.83	9.47	9.90	9.86	10.19	9.46	8.97	9.67	10.08	8.86	9.65	10.77
GM-05S	5.1 - 20.1	2.91	2.65	3.34	3.01	3.00	2.85	3.06	2.82	3.08	2.94	2.59	2.98	3.20	2.12	2.92	3.74
GM-05D	60.95 - 75.95	7.50	6.56	7.87	7.81	8.23	8.72	7.61	7.59	7.76	6.96	6.83	7.54	NC	6.56	7.62	9.04
GM-10AD	unknown	1.41	1.57	2.08	1.67	1.72	1.74	NM	1.43	1.76	1.80	1.50	1.70	1.83	1.08	1.72	2.43
GMP-01	25.0 - 30.0	3.35	3.08	3.77	3.47	3.44	3.28	3.47	3.33	3.50	3.33	3.00	3.43	3.66	2.97	3.43	4.18
GMP-02	18.0 - 23.0	2.58	2.41	3.03	2.69	2.70	2.57	2.73	2.59	2.74	2.55	2.30	2.72	2.89	2.24	2.69	3.37
GMP-04	15.5 - 20.5	1.02	1.37	1.73	1.19	1.23	1.42	1.09	1.51	1.06	1.63	1.41	1.28	1.00	0.47	1.27	2.11
MW-16AS	3.0 - 13.0	10.96	9.93	11.34	11.23	10.92	10.48	11.02	10.98	11.27	10.47	10.11	10.92	11.16	9.93	10.79	12.00

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 Identification	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)											Minimum	Average	Maximum
		Nov-05	Feb-06	May-06	July/Aug-06	Nov-06	Jan-07	May-07	July/Aug-07	Oct/Nov-07	Jan-08	Apr/May-08			
OU2-IW01S	3.0 - 8.0	NM	NM	NM	NM	NM	NM	NM	NM	2.50	2.91	2.97	2.50	2.79	2.97
OU2MW-01WT	3.0 - 8.0	NM	NM	NM	NM	NM	NM	NM	NM	7.74	8.29	8.70	7.74	8.24	8.70
OU2MW-01S	20.0 - 25.0	8.79	8.62	8.30	NM	8.37	8.30	8.58	NM	7.56	8.12	8.51	7.56	8.35	8.79
OU2MW-01I	35.0 - 40.0	8.82	8.65	8.28	NM	9.96	8.32	8.61	NM	7.56	8.17	8.52	7.56	8.54	9.96
OU2MW-01I2	50.0 - 55.0	8.78	8.62	8.30	NM	8.36	8.40	8.59	NM	7.55	8.14	8.47	7.55	8.36	8.78
OU2MW-01D	65.0 - 70.0	10.24	10.16	9.79	NM	8.23	9.89	10.06	NM	8.95	9.58	9.98	8.23	9.65	10.24
OU2MW-02S	20.0 - 25.0	8.68	8.66	8.21	NM	8.31	8.31	8.51	NM	7.50	8.07	8.43	7.50	8.30	8.68
OU2MW-02I	35.0 - 40.0	8.68	8.52	8.22	NM	8.26	8.23	8.51	NM	7.52	8.10	8.42	7.52	8.27	8.68
OU2MW-02I2	50.0 - 55.0	8.67	8.51	8.21	NM	8.25	8.22	8.51	NM	7.10	8.08	8.41	7.10	8.22	8.67
OU2MW-02D	65.0 - 70.0	8.87	8.74	8.41	NM	8.47	8.42	8.68	NM	7.71	8.28	8.62	7.71	8.47	8.87
OU2MW-03S	20.0 - 25.0	7.23	7.01	6.73	NM	6.80	6.69	7.01	NM	6.12	6.62	7.01	6.12	6.80	7.23
OU2MW-03I	35.0 - 40.0	7.25	7.03	6.75	NM	6.84	6.71	7.03	NM	6.14	6.64	7.02	6.14	6.82	7.25
OU2MW-03I2	50.0 - 55.0	7.23	7.01	6.74	NM	6.79	6.69	7.02	NM	6.12	6.62	7.01	6.12	6.80	7.23
OU2MW-03D	65.0 - 70.0	8.99	8.95	8.63	NM	6.75	8.85	8.95	NM	7.91	8.28	8.84	6.75	8.46	8.99
OU2MW-04WT	3.0 - 8.0	NM	NM	NM	NM	NM	NM	NM	NM	5.91	6.41	6.53	5.91	6.28	6.53
OU2MW-04S	20.0 - 25.0	6.97	6.73	6.49	6.19	6.60	6.41	6.75	6.25	5.93	6.40	6.71	5.93	6.49	6.97
OU2MW-04I	35.0 - 40.0	6.97	6.73	6.49	6.19	6.61	6.45	6.76	6.28	5.94	6.42	6.73	5.94	6.51	6.97
OU2MW-04I2	50.0 - 55.0	6.96	6.72	6.49	NM	6.57	6.43	6.74	6.26	5.90	6.39	6.73	5.90	6.52	6.96
OU2MW-04D	65.0 - 70.0	6.99	6.75	6.51	NM	6.60	6.47	6.77	6.28	6.06	6.41	6.74	6.06	6.56	6.99
OU2MW-05	25.0 - 35.0	4.44	4.16	4.09	3.93	4.16	3.97	4.21	3.97	3.54	4.01	4.29	3.54	4.07	4.44
OU2MW-06	25.0 - 35.0	2.57	2.17	2.21	2.17	2.17	2.21	2.17	2.22	2.03	2.16	2.16	2.03	2.20	2.57
OU2MW-06S	3.0 - 8.0	NM	NM	NM	NM	NM	NM	NM	NM	2.05	2.16	2.22	2.05	2.14	2.22
OU2MW-07	15.0 - 25.0	2.37	1.98	2.00	2.03	1.90	2.08	1.89	2.02	1.93	2.02	1.89	1.89	2.01	2.37
OU2MW-07S	3.0 - 8.0	NM	NM	NM	NM	NM	NM	NM	NM	1.96	2.04	1.94	1.94	1.98	2.04
OU2MW-08WT	3.0 - 8.0	NM	NM	NM	NM	NM	NM	NM	NM	7.87	8.51	8.87	7.87	8.42	8.87
OU2MW-08S	20.0 - 25.0	9.07	8.92	8.61	8.26	8.66	8.66	8.96	8.28	7.85	8.52	8.86	7.85	8.60	9.07
OU2MW-08I	35.0 - 40.0	9.08	8.92	8.62	8.27	8.67	8.66	8.97	8.29	7.87	8.56	8.86	7.87	8.62	9.08
OU2MW-08I2	50.0 - 55.0	9.12	8.95	8.66	8.30	8.71	8.70	8.99	8.32	7.89	8.52	9.58	7.89	8.70	9.58
OU2MW-08D	65.0 - 70.0	9.89	9.79	9.45	9.01	9.55	9.52	9.83	9.06	8.69	9.34	9.72	8.69	9.44	9.89
OU2MW-09S	20.0 - 30.0	8.42	8.28	7.99	NM	8.04	8.02	8.27	7.71	7.37	7.93	8.20	7.37	8.02	8.42
OU2MW-10S	3.0 - 7.0	NM	NM	NM	NM	NM	NM	NM	NM	2.00	2.42	2.60	2.00	2.34	2.60
OU2MW-10I	20.0 - 25.0	NM	NM	NM	NM	NM	NM	NM	NM	2.01	2.42	2.61	2.01	2.35	2.61
OU2MW-10D	35.0 - 40.0	NM	NM	NM	NM	NM	NM	NM	NM	1.99	2.38	2.60	1.99	2.32	2.60
OU2MW-11S	3.0 - 8.0	NM	NM	NM	NM	NM	NM	NM	NM	3.29	3.65	3.92	3.29	3.62	3.92
OU2MW-11I2	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM	NM	3.24	3.68	3.86	3.24	3.59	3.86
OU2MW-15D	40.0 - 45.0	NM	NM	NM	NM	NM	NM	NM	NM	2.06	2.46	2.66	2.06	2.39	2.66
OU2MW-16S	3.0 - 8.0	NM	NM	NM	NM	NM	NM	NM	NM	2.14	2.59	2.83	2.14	2.52	2.83
OU2MW-16I	15.0 - 20.0	NM	NM	NM	NM	NM	NM	NM	NM	2.12	2.56	2.75	2.12	2.48	2.75
OU2MW-16I2	25.0 - 30.0	NM	NM	NM	NM	NM	NM	NM	NM	2.13	2.51	2.77	2.13	2.47	2.77
OU2MW-16D	35.0 - 40.0	NM	NM	NM	NM	NM	NM	NM	NM	2.14	2.56	2.75	2.14	2.48	2.75

Notes:
NM - Not Measured
bgs- below ground surface
Well Elevations obtained from 2007 Survey and reference NVGD88 datum

Table 3-5
Summary of Historic Total BTEX Groundwater Analytical Results
Upgradient of the Montauk Highway Oxygen Injection Line
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well No.	Screen Interval (feet)	Total BTEX Concentrations (ug/L)																
		Sampling Date																
		1992	1999	2002				2003			2004				2005			
		Sept	Oct/Nov	Jan/Feb	Apr/May	June/Jul	Nov/Dec	Feb-Apr	Jul/Aug	Sept/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	June	August	Nov/Dec
BBMW-01D*	68.5 - 78.5	--	214	--	542	--	--	--	1,294	1,193	293	265	304	94	191	585	112	32
BBMW-01I*	32.0 - 42.0	--	3	--	222	--	230	710	460	350	190	170	170	93	220	230	120	120
BBMW-01S*	5.0 - 15.0	--	710	--	219	--	3,440	2,000	2,500	2,661	3,510	1,988	1,576	2,520	1,930	1,085	1,080	1,090
BBMW-02D	73.0 - 83.0	--	21	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-02I	30.0 - 40.0	--	7	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-02S	5.0 - 15.0	--	0	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-15D	70.0 - 80.0	--	0	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-15I	35.0 - 45.0	--	473	--	2	--	0	0	--	--	0	--	--	--	0	--	--	--
BBMW-15I2	23.0 - 28.0	--	47	--	0	--	0	0	--	--	0	--	--	--	0	--	--	--
BBMW-15S	5.0 - 15.0	--	0	--	0	--	0	0	--	--	0	--	--	--	0	0	--	--
BBMW-16D	68.0 - 78.0	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-16I	35.0 - 45.0	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-16S	5.0 - 15.0	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-23D*	49.5 - 59.5	--	--	--	--	10	17	15	53	45	0	12	136	71	234	446	210	--
BBMW-23D2*	63.0 - 73.0	--	--	--	--	28	--	0	97	80	0	--	0	--	0	--	--	--
BBMW-23I*	33.0 - 43.0	--	--	--	--	0	--	0	0	0	0	0	0	0	--	0	0	--
BBMW-23S*	5.0 - 15.0	--	--	--	--	32,850	43,650	22,100	34,485	20,162	20,573	21,133	20,954	6,284	6,047	29,430	3,300	1,725
BBMW-24D	59.5 - 69.5	--	--	--	1,102	--	--	1,005	837	1,389	1,420	590	194	183	666	799	658	--
BBMW-24I	32.0 - 42.0	--	--	--	264	--	533	612	774	833	96	82	2,408	2,068	477	1,290	175	--
BBMW-24S	4.0 - 14.0	--	--	--	14	--	0	0	0	0	0	0	0	0	0	0	0	--
GM-03D	53.18 - 68.18	175	0	0	0	--	--	0	--	--	0	--	0	--	0	--	0	--
GM-03I	30.03 - 45.03	7	26	7	135	--	--	0	--	--	879	--	--	--	0	--	137	--
GM-03S	6.78 - 21.78	41	70	4	36	--	--	32	--	--	229	--	--	128	40	--	103	133
MW-16AS	3.0 - 13.0	--	0	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0	--
OU2MW-08I	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	181	--
OU2MW-08I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	112	--
OU2MW-08S	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2,210	--
OU2MW-08WT	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-17D	60.0 - 75.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-17I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-17I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-17S	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-18D	60.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-18I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-18I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-19I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-19I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20S	4.0 - 9.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-21I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-21I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-26D	60.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-26I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-26I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-26S	6.0 - 11.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 3-5
Summary of Historic Total BTEX Groundwater Analytical Results
Upgradient of the Montauk Highway Oxygen Injection Line
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well No.	Screen Interval (feet)	Total BTEX Concentrations (ug/L)														
		Sampling Date														
		2006				2007				2008		Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		March	June	Jul/Aug	Nov/Dec	March	May-Jul	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun					
BBMW-01D*	68.5 - 78.5	24	216	462	109	32	555	386	9	43	81	9	1,294	331	9	1,294
BBMW-01I*	32.0 - 42.0	43	94	110	110	77	156	375	274	262	64	3	710	208	3	710
BBMW-01S*	5.0 - 15.0	273	59	1,361	2,329	949	3,640	7420	5590	4210	3022	59	7,420	2,267	59	7,420
BBMW-02D	73.0 - 83.0	--	--	--	--	0	0	0	0	0	0	0	21	3	0	21
BBMW-02I	30.0 - 40.0	--	--	--	--	0	0	0	0	0	0	0	7	1	0	7
BBMW-02S	5.0 - 15.0	--	--	--	--	0	0	0	0	0	4	0	0	0	0	4
BBMW-15D	70.0 - 80.0	--	--	--	--	0	0	0	0	0	0	0	0	0	0	0
BBMW-15I	35.0 - 45.0	--	--	0	--	0	0	0	0	0	0	0	473	40	0	473
BBMW-15I2	23.0 - 28.0	--	--	0	--	0	0	0	0	0	0	0	47	4	0	47
BBMW-15S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BBMW-16D	68.0 - 78.0	--	--	--	--	0	0	0	0	0	0	0	0	0	0	0
BBMW-16I	35.0 - 45.0	--	--	--	--	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-23D*	49.5 - 59.5	729	467	509	579	519	96	1324	660	493	23	0	1,324	315	0	1,324
BBMW-23D2*	63.0 - 73.0	0	--	--	--	0	0	0	0	0	3	0	97	16	0	97
BBMW-23I*	33.0 - 43.0	0	0	0	0	0	0	19	10	0	3	0	19	2	0	19
BBMW-23S*	5.0 - 15.0	7,450	4,070	6,558	120	12,332	18,185	19818	14940	26389	22830	120	43,650	16,934	120	43,650
BBMW-24D	59.5 - 69.5	--	367	--	647	662	0	7	4	176	215	0	1,420	595	0	1,420
BBMW-24I	32.0 - 42.0	--	519	--	183	116	115	277	9	0	0	0	2,408	570	0	2,408
BBMW-24S	4.0 - 14.0	0	0	0	0	0	0	0	0	0	0	0	14	1	0	14
GM-03D	53.18 - 68.18	--	--	--	--	0	0	0	0	0	0	0	175	13	0	175
GM-03I	30.03 - 45.03	196	0	0	0	0	78	190	129	245	161	0	879	119	0	879
GM-03S	6.78 - 21.78	19	126	177	69	116	0	0	0	0	0	0	229	70	0	229
MW-16AS	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
OU2MW-08D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-08I	35.0 - 40.0	527	196	355	201	167	521	481	196	88	245	88	527	291	88	527
OU2MW-08I2	50.0 - 55.0	172	272	590	582	249	101	120	545	369	317	101	590	311	101	590
OU2MW-08S	20.0 - 25.0	617	1,456	1,641	829	378	226	305	332	1088	858	226	2,210	908	226	2,210
OU2MW-08WT	3.0 - 8.0	--	--	--	--	--	--	0	0	0	--	0	0	0	0	0
OU2MW-17D	60.0 - 75.0	--	--	--	--	--	--	--	--	--	0	--	--	--	0	0
OU2MW-17I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	90	--	--	--	90	90
OU2MW-17I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	0	--	--	--	0	0
OU2MW-17S	5.0 - 10.0	--	--	--	--	--	--	--	--	--	0	--	--	--	0	0
OU2MW-18D	60.0 - 70.0	--	--	--	--	--	--	--	--	--	0	--	--	--	0	0
OU2MW-18I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	5500	--	--	--	5,500	5,500
OU2MW-18I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	0	--	--	--	0	0
OU2MW-19I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	1616	--	--	--	1,616	1,616
OU2MW-19I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	130	--	--	--	130	130
OU2MW-20I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	616	--	--	--	616	616
OU2MW-20I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	1	--	--	--	1	1
OU2MW-20S	4.0 - 9.0	--	--	--	--	--	--	--	--	--	0	--	--	--	0	0
OU2MW-21I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	780	--	--	--	780	780
OU2MW-21I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	46	--	--	--	46	46
OU2MW-26D	60.0 - 70.0	--	--	--	--	--	--	--	--	--	76	--	--	--	76	76
OU2MW-26I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	40	--	--	--	40	40
OU2MW-26I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	0	--	--	--	0	0
OU2MW-26S	6.0 - 11.0	--	--	--	--	--	--	--	--	--	0	--	--	--	0	0

NOTES:
-- = Not Analyzed/Applicable
ug/L - Micrograms per liter
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.
Peristaltic pump results are shown on this table.
*The BBMW-01 and BBMW-23 clusters are sampled on a monthly basis. This table reports the highest concentration detected from the three sampling events this quarter.

Table 3-6
Summary of Historic Total PAH Groundwater Analytical Results
Upgradient of the Montauk Highway Oxygen Injection Line
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well No.	Screen Interval (feet)	Total PAH Concentrations (ug/L)																	
		Sampling Date																	
		1992	1999		2002				2003			2004				2005			
		Sept	Sept	Oct/Nov	Jan/Feb	Apr/May	June/July	Nov/Dec	Feb-Apr	Jul/Aug	Sept/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	June	August	Nov/Dec
BBMW-01D*	68.5 - 78.5	--	--	1,605	--	4,566	--	--	--	4,911	4,543	1,460	1,800	1,359	429	821	2,832	50	251
BBMW-01I*	32.0 - 42.0	--	--	66	--	9,720	--	10,616	5,600	6,398	8,514	7,772	7,709	4,679	9,754	9,659	7,734	10,674	8,276
BBMW-01S*	5.0 - 15.0	--	--	2,055	--	3,420	--	2,823	600	1,102	1,730	2,077	1,394	869	1,565	2,067	1,333	1,034	2,425
BBMW-02D	73.0 - 83.0	--	--	2	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-02I	30.0 - 40.0	--	--	0	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-02S	5.0 - 15.0	--	--	2	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-15D	70.0 - 80.0	--	--	0	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-15I	35.0 - 45.0	--	--	30	--	0	--	0	0	--	--	0	--	--	--	0	--	--	--
BBMW-15I2	23.0 - 28.0	--	--	3	--	0	--	0	0	--	--	0	--	--	--	0	--	--	--
BBMW-15S	5.0 - 15.0	--	--	0	--	0	--	0	0	--	--	0	--	--	--	0	0	--	--
BBMW-16D	68.0 - 78.0	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-16I	35.0 - 45.0	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-16S	5.0 - 15.0	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-23D*	49.5 - 59.5	--	--	--	--	--	741	802	910	1,203	1,562	468	400	1,081	931	1,493	1,665	2,161	--
BBMW-23D2*	63.0 - 73.0	--	--	--	--	--	36	--	0	120	0	0	--	0	--	0	--	--	--
BBMW-23I*	33.0 - 43.0	--	--	--	--	--	0	--	178	0	61	0	0	0	0	--	13	33	--
BBMW-23S*	5.0 - 15.0	--	--	--	--	--	2,397	2,681	1,400	2,319	2,383	1,288	1,733	2,220	599	921	1,830	994	890
BBMW-24D	59.5 - 69.5	--	--	--	--	7,412	--	--	6,000	5,800	8,110	3,194	1,070	360	392	3,232	5,652	5,372	--
BBMW-24I	32.0 - 42.0	--	--	--	--	6,632	--	11,246	6,000	6,400	4,815	4,782	5,284	7,679	8,053	6,062	4,694	5,392	--
BBMW-24S	4.0 - 14.0	--	--	--	--	11	--	0	0	0	908	0	120	0	0	0	10	0	--
GM-03D	53.18 - 68.18	661	1,238	0	1	1	--	--	31	--	--	0	--	0	--	0	--	0	--
GM-03I	30.03 - 45.03	350	0	21	12	273	--	--	149	--	--	898	--	--	--	67	--	429	--
GM-03S	6.78 - 21.78	196	6	6	4	37	--	--	510	--	--	100	--	--	182	12	--	183	110
MW-16AS	3.0 - 13.0	--	--	0	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0	--
OU2MW-08I	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3,453	--
OU2MW-08I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1,364	--
OU2MW-08S	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2,204	--
OU2MW-08WT	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-17D	60.0 - 75.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-17I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-17I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-17S	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-18D	60.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-18I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-18I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-19I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-19I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20S	4.0 - 9.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-21I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-21I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-26D	60.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-26I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-26I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-26S	6.0 - 11.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 3-6
Summary of Historic Total PAH Groundwater Analytical Results
Upgradient of the Montauk Highway Oxygen Injection Line
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well No.	Screen Interval (feet)	Total PAH Concentrations (ug/L)														
		Sampling Date														
		2006				2007				2008		Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		March	June	Jul/Aug	Nov/Dec	March	May-July	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun					
BBMW-01D*	68.5 - 78.5	349	863	2,250	425	195	2,090	1,248	50	55	183	50	4,911	1,531	50	4,911
BBMW-01I*	32.0 - 42.0	3,679	6,746	7,141	10,165	5,812	7,721	8,946	8071	10403	6532	66	10,674	7,646	66	10,674
BBMW-01S*	5.0 - 15.0	1,043	0	956	2,158	659	4,347	3,927	3929	1432	1640	0	4,347	1,867	0	4,347
BBMW-02D	73.0 - 83.0	--	--	--	--	0	0	0	0	0	0	0	2	0	0	2
BBMW-02I	30.0 - 40.0	--	--	--	--	0	0	0	0	0	0	0	0	0	0	0
BBMW-02S	5.0 - 15.0	--	--	--	--	0	0	0	1	0	0	0	2	0	0	2
BBMW-15D	70.0 - 80.0	--	--	--	--	0	0	0	2	0	0	0	2	0	0	2
BBMW-15I	35.0 - 45.0	--	--	0	--	0	0	0	0	0	0	0	30	3	0	30
BBMW-15I2	23.0 - 28.0	--	--	0	--	0	0	0	0	0	0	0	3	0	0	3
BBMW-15S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BBMW-16D	68.0 - 78.0	--	--	--	--	0	0	0	0	0	23	0	0	0	0	23
BBMW-16I	35.0 - 45.0	--	--	--	--	0	0	0	0	2	0	0	2	0	0	2
BBMW-16S	5.0 - 15.0	--	--	--	--	0	0	0	2	0	0	0	2	0	0	2
BBMW-23D*	49.5 - 59.5	2,459	2,391	2,994	2,353	2,591	6,619	5,835	5620	3118	188	400	6,619	2,257	188	6,619
BBMW-23D2*	63.0 - 73.0	0	--	--	--	0	0	1	0	2	50	0	120	12	0	120
BBMW-23I*	33.0 - 43.0	146	88	65	59	199	2,207	2,559	31	16	14	0	2,559	298	0	2,559
BBMW-23S*	5.0 - 15.0	1,410	959	759	2,521	1,741	2,519	1,785	2703	2569	2169	599	2,703	1,756	599	2,703
BBMW-24D	59.5 - 69.5	--	3,037	--	4,055	3,852	0	1	0	0	160	0	8,110	3,197	0	8,110
BBMW-24I	32.0 - 42.0	--	5,772	--	2,115	184	434	1,863	103	85	87	85	11,246	4,610	85	11,246
BBMW-24S	4.0 - 14.0	0	0	0	0	0	0	0	0	0	0	0	908	50	0	908
GM-03D	53.18 - 68.18	--	--	--	--	0	0	4	0	48	0	0	1,238	132	0	1,238
GM-03I	30.03 - 45.03	1,330	0	0	0	0	275	611	44	2	106	0	1,330	248	0	1,330
GM-03S	6.78 - 21.78	0	250	245	72	235	21	8	8	0	0	0	510	109	0	510
MW-16AS	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
OU2MW-08D	65.0 - 70.0	0	0	0	0	0	97	0	3892	0	0	0	3,892	399	0	3,892
OU2MW-08I	35.0 - 40.0	4,983	4,020	2,328	3,013	507	2,299	799	2954	2264	4895	507	4,983	2,662	507	4,983
OU2MW-08I2	50.0 - 55.0	1,666	2,664	1,347	1,961	1,454	1,468	262	3501	1646	2120	262	3,501	1,733	262	3,501
OU2MW-08S	20.0 - 25.0	9,968	7,000	4,974	8,445	5,763	8,831	8,025	13563	6542	6504	2,204	13,563	7,532	2,204	13,563
OU2MW-08WT	3.0 - 8.0	--	--	--	--	--	--	7	0	0	--	0	7	2	0	7
OU2MW-17D	60.0 - 75.0	--	--	--	--	--	--	--	--	--	0	--	--	--	0	0
OU2MW-17I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	25	--	--	--	25	25
OU2MW-17I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	0	--	--	--	0	0
OU2MW-17S	5.0 - 10.0	--	--	--	--	--	--	--	--	--	0	--	--	--	0	0
OU2MW-18D	60.0 - 70.0	--	--	--	--	--	--	--	--	--	0	--	--	--	0	0
OU2MW-18I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	2957	--	--	--	2,957	2,957
OU2MW-18I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	0	--	--	--	0	0
OU2MW-19I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	1043	--	--	--	1,043	1,043
OU2MW-19I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	6212	--	--	--	6,212	6,212
OU2MW-20I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	101	--	--	--	101	101
OU2MW-20I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	4	--	--	--	4	4
OU2MW-20S	4.0 - 9.0	--	--	--	--	--	--	--	--	--	0	--	--	--	0	0
OU2MW-21I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	5417	--	--	--	5,417	5,417
OU2MW-21I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	3922	--	--	--	3,922	3,922
OU2MW-26D	60.0 - 70.0	--	--	--	--	--	--	--	--	--	623	--	--	--	623	623
OU2MW-26I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	102	--	--	--	102	102
OU2MW-26I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	54	--	--	--	54	54
OU2MW-26S	6.0 - 11.0	--	--	--	--	--	--	--	--	--	0	--	--	--	0	0

NOTES:

-- = Not Analyzed/Applicable

ug/L - Micrograms per liter

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.

Peristaltic pump results are shown on this table.

*The BBMW-01 and BBMW-23 clusters are sampled on a monthly basis. This table reports the highest concentration detected from the three sampling events this quarter.

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

Well No.	Screen Interval (feet)	Total BTEX Concentrations (ug/L)																
		Sampling Date																
		1992	1999	2000	2002			2003			2004				2005			
		Sept	Oct/Nov	Nov/Dec	Jan/Feb	Apr/May	Nov/Dec	Feb-Apr	Jul/Aug	Sept/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	June	August	Nov/Dec
BBMW-03D	52.0 - 62.0	--	3	--	3	0	--	--	--	--	--	--	--	0	--	--	0	--
BBMW-03I	30.0 - 40.0	--	2	--	1	0	--	--	--	--	--	--	865	0	--	--	0	--
BBMW-03S	3.0 - 13.0	--	0	--	2	0	--	--	--	--	--	--	0	0	--	--	0	--
BBMW-07D	55.0 - 65.0	--	0	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-07I	30.0 - 40.0	--	0	--	--	0	0	--	--	--	--	--	--	0	--	--	--	--
BBMW-07S	5.0 - 15.0	--	2	--	--	5	0	0	--	241	160	11	0	20	0	--	--	0
BBMW-25D	62.0 - 72.0	--	--	--	--	45	--	59	75	44	29	20	0	110	78	--	47	--
BBMW-25I	25.0 - 35.0	--	--	--	--	1,034	533	1,330	980	1,707	1,304	936	0	1,007	1,995	--	1,082	1,360
BBMW-25S	4.0 - 14.0	--	--	--	--	58	0	0	0	0	0	--	0	0	0	--	0	0
GM-05D	60.95 - 75.95	0	0	0	0	0	--	--	--	--	--	--	0	--	--	--	--	--
GM-05I	35.05 - 48.05	0	2	0	0	0	0	0	--	0	--	--	0	0	--	--	--	--
GM-05S	5.1 - 20.1	0	283	124	27	106	307	87	367	0	0	0	157	0	134	0	40	57
GMP-01	25.0 - 30.0	--	--	1,090	1,056	433	348	250	824	454	692	455	587	200	2,130	3,200	1,280	250
OU2MW-01D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0	--
OU2MW-01I	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	77	--
OU2MW-01I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	25	--
OU2MW-01S	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1,243	--
OU2MW-01WT	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-02D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0	--
OU2MW-02I	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	477	--
OU2MW-02I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	10	--
OU2MW-02S	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	100	--
OU2MW-03D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0	--
OU2MW-03I	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0	--
OU2MW-03I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0	--
OU2MW-03S	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	151	--
OU2MW-04D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0	--
OU2MW-04I	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	267	--
OU2MW-04I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	41	--
OU2MW-04S	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3,130	--
OU2MW-04WT	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-05	25.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1,120	--
OU2MW-09	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0	--
OU2MW-11D	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-11I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-11I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-11S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-14I*	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-14I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-14S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15D	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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

Well No.	Screen Interval (feet)	Total BTEX Concentrations (ug/L)														
		Sampling Date														
		2006				2007				2008		Historic	Historic	Historic	Current	Current
		March	June	Jul/Aug	Nov/Dec	March	May-July	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	Minimum	Maximum	Average	Minimum	Maximum
BBMW-03D	52.0 - 62.0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3
BBMW-03I	30.0 - 40.0	0	0	0	0	0	0	0	0	0	0	0	865	58	0	865
BBMW-03S	3.0 - 13.0	0	0	0	0	393	0	0	0	0	0	0	393	26	0	393
BBMW-07D	55.0 - 65.0	--	--	--	--	25	0	--	0	0	0	0	25	4	0	25
BBMW-07I	30.0 - 40.0	--	--	--	--	--	0	--	0	0	0	0	0	0	0	0
BBMW-07S	5.0 - 15.0	0	0	37	0	0	0	0	0	0	0	0	241	24	0	241
BBMW-25D	62.0 - 72.0	11	21	78	76	0	0	16	6	2	6	0	110	38	0	110
BBMW-25I	25.0 - 35.0	264	0	79	344	0	148	252	41	158	169	0	1,995	693	0	1,995
BBMW-25S	4.0 - 14.0	0	0	0	0	0	0	0	0	2	0	0	58	3	0	58
GM-05D	60.95 - 75.95	0	--	--	--	0	0	0	0	4	0	0	4	0	0	4
GM-05I	35.05 - 48.05	0	--	--	--	0	0	13	0	0	0	0	13	1	0	13
GM-05S	5.1 - 20.1	140	21	0	12	0	0	0	14	185	55	0	367	79	0	367
GMP-01	25.0 - 30.0	562	577	1,156	4,726	185	154	49	135	182	94	49	4,726	874	49	4,726
OU2MW-01D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-01I	35.0 - 40.0	767	170	170	424	885	32	408	85	8	1	8	885	303	1	885
OU2MW-01I2	50.0 - 55.0	195	126	52	51	51	15	0	0	0	0	0	195	52	0	195
OU2MW-01S	20.0 - 25.0	348	176	988	288	876	37	182	104	42	6	37	1,243	428	6	1,243
OU2MW-01WT	3.0 - 8.0	--	--	--	--	--	--	0	0	0	0	0	0	0	0	0
OU2MW-02D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-02I	35.0 - 40.0	370	415	493	459	645	260	410	229	377	412	229	645	414	229	645
OU2MW-02I2	50.0 - 55.0	0	0	0	0	0	0	0	1	11	0	0	11	2	0	11
OU2MW-02S	20.0 - 25.0	181	111	282	573	27	268	137	1	29	52	1	573	171	1	573
OU2MW-03D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-03I	35.0 - 40.0	0	0	0	182	0	0	0	0	0	0	0	182	18	0	182
OU2MW-03I2	50.0 - 55.0	0	0	0	0	11	14	0	0	0	0	0	14	3	0	14
OU2MW-03S	20.0 - 25.0	530	234	225	206	0	1,103	223	9	45	94	0	1,103	273	0	1,103
OU2MW-04D	65.0 - 70.0	0	0	0	0	0	0	0	3	2	1	0	3	1	0	3
OU2MW-04I	35.0 - 40.0	885	296	23	0	134	233	252	158	174	25	0	885	242	0	885
OU2MW-04I2	50.0 - 55.0	32	0	0	0	0	0	0	0	0	0	0	41	7	0	41
OU2MW-04S	20.0 - 25.0	844	740	1,176	386	421	913	253	600	791	200	253	3,130	925	200	3,130
OU2MW-04WT	3.0 - 8.0	--	--	--	--	--	--	0	0	0	0	0	0	0	0	0
OU2MW-05	25.0 - 35.0	224	254	1,039	3,159	280	188	110	110	221	158	110	3,159	671	110	3,159
OU2MW-09	30.0 - 40.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-11D	40.0 - 45.0	--	--	--	--	--	--	--	7	0	0	0	7	4	0	7
OU2MW-11I	20.0 - 25.0	--	--	--	--	--	--	--	112	245	263	112	245	179	112	263
OU2MW-11I2	30.0 - 35.0	--	--	--	--	--	--	--	2,412	67	33	67	2,412	1,240	33	2,412
OU2MW-11S	3.0 - 8.0	--	--	--	--	--	--	--	0	0	0	0	0	0	0	0
OU2MW-14I*	20.0 - 25.0	--	--	--	--	--	--	--	--	0	0	0	0	0	0	0
OU2MW-14I2	45.0 - 50.0	--	--	--	--	--	--	--	--	0	0	0	0	0	0	0
OU2MW-14S	3.0 - 8.0	--	--	--	--	--	--	0	0	0	0	0	0	0	0	0
OU2MW-15D	40.0 - 45.0	--	--	--	--	--	--	0	0	0	0	0	0	0	0	0
OU2MW-15I	20.0 - 25.0	--	--	--	--	--	--	32	1	40	8	1	40	24	1	40
OU2MW-15I2	30.0 - 35.0	--	--	--	--	--	--	599	367	0	0	0	599	322	0	599
OU2MW-15S	3.0 - 8.0	--	--	--	--	--	--	0	0	0	0	0	0	0	0	0
OU2MW-16D	35.0 - 40.0	--	--	--	--	--	--	0	0	144	0	0	144	48	0	144
OU2MW-16I	15.0 - 20.0	--	--	--	--	--	--	1	0	0	0	0	1	0	0	1
OU2MW-16I2	25.0 - 30.0	--	--	--	--	--	--	9	53	6	2	6	53	23	2	53
OU2MW-16S	3.0 - 8.0	--	--	--	--	--	--	0	0	0	0	0	0	0	0	0

NOTES:

-- = Not Analyzed/Applicable

ug/L - Micrograms per liter

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.

Peristaltic pump results are shown on this table.

*The OU2MW-14I cluster was sampled twice this quarter. This table reports the highest concentration detected from the three sampling events this quarter.

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

Well No.	Screen Interval	Total PAH Concentrations (ug/L)																	
		Sampling Date																	
		1992	1999		2000	2002			2003			2004				2005			
	(feet)	Sept	Sept	Oct/Nov	Nov/Dec	Jan/Feb	Apr/May	Nov/Dec	Feb-Apr	Jul/Aug	Sept/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	June	August	Nov/Dec
BBMW-03D	52.0 - 62.0	--	--	0	--	0	0	--	--	--	--	--	--	--	186	--	--	0	--
BBMW-03I	30.0 - 40.0	--	--	0	--	2	0	--	--	--	--	--	--	0	0	--	--	0	--
BBMW-03S	3.0 - 13.0	--	--	0	--	0	0	--	--	--	--	--	--	0	0	--	--	0	--
BBMW-07D	55.0 - 65.0	--	--	0	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-07I	30.0 - 40.0	--	--	0	--	--	0	0	--	--	--	--	--	--	0	--	--	--	--
BBMW-07S	5.0 - 15.0	--	--	2	--	--	6	0	710	--	62	24	0	0	0	0	--	--	0
BBMW-25D	62.0 - 72.0	--	--	--	--	--	1,553	--	280	1,550	298	135	144	101	588	223	--	390	--
BBMW-25I	25.0 - 35.0	--	--	--	--	--	7,436	10,185	4,900	4,700	--	4,860	7,761	7,840	3,902	4,937	--	3,621	5,472
BBMW-25S	4.0 - 14.0	--	--	--	--	--	22	0	0	0	--	0	--	0	14	0	--	0	0
GM-05D	60.95 - 75.95	0	0	0	0	0	0	--	--	--	--	--	--	28	--	--	--	--	--
GM-05I	35.05 - 48.05	0	4	14	0	0	0	0	0	--	--	--	--	51	0	--	--	--	--
GM-05S	5.1 - 20.1	649	2,453	1,181	505	88	1,286	237	858	230	--	0	0	635	0	312	0	366	0
GMP-01	25.0 - 30.0	--	--	--	1,590	2,270	1,336	230	880	270	1,001	421	1,281	266	6,514	2,595	1,241	6,419	10,183
OU2MW-01D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0	--
OU2MW-01I	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5,507	--
OU2MW-01I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	58	--
OU2MW-01S	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6,927	--
OU2MW-01WT	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-02D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	15	--
OU2MW-02I	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2,541	--
OU2MW-02I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	22	--
OU2MW-02S	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	162	--
OU2MW-03D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0	--
OU2MW-03I	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	67	--
OU2MW-03I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0	--
OU2MW-03S	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	401	--
OU2MW-04D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0	--
OU2MW-04I	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5,444	--
OU2MW-04I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	375	--
OU2MW-04S	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4,034	--
OU2MW-04WT	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-05	25.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4,711	--
OU2MW-09	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0	--
OU2MW-11D	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-11I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-11I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-11S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-14I*	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-14I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-14S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15D	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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

Well No.	Screen Interval	Total PAH Concentrations (ug/L)														
		Sampling Date														
		2006				2007				2008		Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
	(feet)	March	June	Jul/Aug	Nov/Dec	March	May-July	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun					
BBMW-03D	52.0 - 62.0	0	0	0	0	0	0	0	0	7	0	0	186	14	0	186
BBMW-03I	30.0 - 40.0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2
BBMW-03S	3.0 - 13.0	0	0	0	0	283	0	0	0	0	0	0	283	19	0	283
BBMW-07D	55.0 - 65.0	--	--	--	--	873	0	--	0	2	0	0	873	146	0	873
BBMW-07I	30.0 - 40.0	--	--	--	--	--	0	--	0	0	0	0	0	0	0	0
BBMW-07S	5.0 - 15.0	0	0	0	0	0	0	3	0	0	0	0	710	40	0	710
BBMW-25D	62.0 - 72.0	308	125	160	384	0	0	3	1	0	0	0	1,553	329	0	1,553
BBMW-25I	25.0 - 35.0	1,560	0	37	488	11	78	457	2	181	48	0	10,185	3,421	0	10,185
BBMW-25S	4.0 - 14.0	0	0	0	0	0	0	10	0	0	0	0	22	2	0	22
GM-05D	60.95 - 75.95	0	--	--	--	0	0	0	0	0	0	0	28	2	0	28
GM-05I	35.05 - 48.05	0	--	--	--	0	0	7	0	0	0	0	51	5	0	51
GM-05S	5.1 - 20.1	34	0	0	0	0	0	0	13	25	30	0	2,453	341	0	2,453
GMP-01	25.0 - 30.0	9,385	9,261	5,555	3,936	4,019	5,506	159	4428	3967	2020	159	10,183	3,446	159	10,183
OU2MW-01D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-01I	35.0 - 40.0	8,222	3,717	879	495	120	12	90	2222	15	0	12	8,222	2,128	0	8,222
OU2MW-01I2	50.0 - 55.0	1,249	0	0	100	0	478	7	4	0	0	0	1,249	190	0	1,249
OU2MW-01S	20.0 - 25.0	464	457	1,230	104	321	47	2,023	2659	48	0	47	6,927	1,428	0	6,927
OU2MW-01WT	3.0 - 8.0	--	--	--	--	--	--	0	0	0	0	0	0	0	0	0
OU2MW-02D	65.0 - 70.0	0	0	0	0	0	0	17	0	0	0	0	17	3	0	17
OU2MW-02I	35.0 - 40.0	3,413	3,609	5,251	3,012	1,943	3,581	1,835	2947	3129	43	1,835	5,251	3,126	43	5,251
OU2MW-02I2	50.0 - 55.0	11	0	0	0	0	12	0	11	30	1	0	30	9	0	30
OU2MW-02S	20.0 - 25.0	311	209	164	424	0	148	155	27	57	96	0	424	166	0	424
OU2MW-03D	65.0 - 70.0	0	0	0	0	0	0	0	6	3	0	0	6	1	0	6
OU2MW-03I	35.0 - 40.0	0	0	0	49	0	0	0	0	0	7	0	67	12	0	67
OU2MW-03I2	50.0 - 55.0	36	16	0	0	0	130	4	3	0	0	0	130	19	0	130
OU2MW-03S	20.0 - 25.0	339	353	181	379	0	313	201	49	87	61	0	401	230	0	401
OU2MW-04D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-04I	35.0 - 40.0	6,438	3,795	1,107	0	0	318	3,260	547	4051	0	0	6,438	2,496	0	6,438
OU2MW-04I2	50.0 - 55.0	115	101	57	78	0	10	16	2	0	23	0	375	75	0	375
OU2MW-04S	20.0 - 25.0	12,611	7,351	10,538	2,774	6,802	8,427	3,794	4145	2666	2936	2,666	12,611	6,314	2,666	12,611
OU2MW-04WT	3.0 - 8.0	--	--	--	--	--	--	0	0	0	0	0	0	0	0	0
OU2MW-05	25.0 - 35.0	8,049	5,125	4,314	4,149	1,980	2,193	247	3412	491	516	247	8,049	3,467	247	8,049
OU2MW-09	30.0 - 40.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-11D	40.0 - 45.0	--	--	--	--	--	8	7	5	0	0	0	8	5	0	8
OU2MW-11I	20.0 - 25.0	--	--	--	--	--	1,077	112	3,627	865	1,977	112	3,627	1,420	112	3,627
OU2MW-11I2	30.0 - 35.0	--	--	--	--	--	426	2,412	52	0	0	0	2,412	723	0	2,412
OU2MW-11S	3.0 - 8.0	--	--	--	--	--	0	0	0	2	0	0	2	1	0	2
OU2MW-14I*	20.0 - 25.0	--	--	--	--	--	--	--	--	2	0	2	2	2	0	2
OU2MW-14I2	45.0 - 50.0	--	--	--	--	--	--	--	--	0	0	0	0	0	0	0
OU2MW-14S	3.0 - 8.0	--	--	--	--	--	--	0	0	0	0	0	0	0	0	0
OU2MW-15D	40.0 - 45.0	--	--	--	--	--	--	0	0	0	0	0	0	0	0	0
OU2MW-15I	20.0 - 25.0	--	--	--	--	--	--	86	8	34	0	8	86	43	0	86
OU2MW-15I2	30.0 - 35.0	--	--	--	--	--	--	320	76	0	0	0	320	132	0	320
OU2MW-15S	3.0 - 8.0	--	--	--	--	--	--	0	0	0	0	0	0	0	0	0
OU2MW-16D	35.0 - 40.0	--	--	--	--	--	--	0	0	78	0	0	78	26	0	78
OU2MW-16I	15.0 - 20.0	--	--	--	--	--	--	5	0	0	0	0	5	2	0	5
OU2MW-16I2	25.0 - 30.0	--	--	--	--	--	--	12	16	1	0	1	16	10	0	16
OU2MW-16S	3.0 - 8.0	--	--	--	--	--	--	0	0	0	0	0	0	0	0	0

NOTES:

-- = Not Analyzed/Applicable

ug/L - Micrograms per liter

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.

Peristaltic pump results are shown on this table.

*The OU2MW-14I cluster was sampled twice this quarter. This table reports the highest concentration detected from the three sampling events this quarter.

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

Well No.	Screen Interval (feet)	Total BTEX Concentrations (ug/L)														
		Sampling Date														
		2000	2002			2003			2004				2005			
		Nov/Dec	Jan/Feb	Apr/May	Nov/Dec	Feb-Apr	Jul/Aug	Sept/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	June	August	Nov/Dec
GMP-02	18.0 - 23.0	1,387	321	197	2,268	710	2,275	1,194	1,735	913	660	24	1,318	1,090	550	311
GMP-04	15.5 - 20.5	60	67	44	82	0	11	12	331	385	345	1,483	263	214	366	1,132
OU2IW-01S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-06	15.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	1,085	--
OU2MW-06S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-07	15.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	35	--
OU2MW-07S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-10D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-10I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-10S	3.0 - 7.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-12D	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-12I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-12I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-12S	3.0 - 7.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-13D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-13I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-13S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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

Well No.	Screen Interval (feet)	Total BTEX Concentrations (ug/L)														
		Sampling Date														
		2006				2007				2008		Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		March	June	Jul/Aug	Nov/Dec	March	May-July	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun					
GMP-02	18.0 - 23.0	151	11	12	0	0	0	0	0	3	4	0	2,275	630	0	2,275
GMP-04	15.5 - 20.5	242	83	242	280	652	24	295	264	15	0	0	1,483	287	0	1,483
OU2IW-01S	3.0 - 8.0	--	--	--	--	--	--	0	0	0	0	0	0	0	0	0
OU2MW-06	15.0 - 25.0	11	0	0	0	53	0	0	0	11	3	0	1,085	116	0	1,085
OU2MW-06S	3.0 - 8.0	--	--	--	--	--	--	0	0	0	0	0	0	0	0	0
OU2MW-07	15.0 - 25.0	59	39	0	35	0	0	0	1	15	3	0	59	18	0	59
OU2MW-07S	3.0 - 8.0	--	--	--	--	--	--	0	0	1	0	0	1	0	0	1
OU2MW-10D	35.0 - 40.0	--	--	--	--	--	--	0	0	0	198	0	0	0	0	198
OU2MW-10I	20.0 - 25.0	--	--	--	--	--	--	0	278	906	14	0	906	395	0	906
OU2MW-10S	3.0 - 7.0	--	--	--	--	--	--	0	0	0	0	0	0	0	0	0
OU2MW-12D	40.0 - 45.0	--	--	--	--	--	--	13	21	17	11	13	21	17	11	21
OU2MW-12I	20.0 - 25.0	--	--	--	--	--	--	143	77	70	81	70	143	97	70	143
OU2MW-12I2	30.0 - 35.0	--	--	--	--	--	--	2	7	23	2	2	23	11	2	23
OU2MW-12S	3.0 - 7.0	--	--	--	--	--	--	0	0	0	0	0	0	0	0	0
OU2MW-13D	35.0 - 40.0	--	--	--	--	--	--	27	5	0	10	0	27	11	0	27
OU2MW-13I	20.0 - 25.0	--	--	--	--	--	--	9	0	7	4	0	9	5	0	9
OU2MW-13S	3.0 - 8.0	--	--	--	--	--	--	0	0	0	0	0	0	0	0	0

NOTES:

-- = Not Analyzed / Applicable
ug/L - Micrograms per liter
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.
Peristaltic pump results are shown on this table.

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

Well No.	Screen Interval	Total PAH Concentrations (ug/L)														
		Sampling Date														
		2000	2002			2003			2004				2005			
	(feet)	Nov/Dec	Jan/Feb	Apr/May	Nov/Dec	Feb-Apr	Jul/Aug	Sept/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	June	August	Nov/Dec
GMP-02	18.0 - 23.0	2,764	4,216	3,447	6,788	3,300	4,000	7,010	3,772	6,967	5,213	5,460	3,008	3,459	8,837	151
GMP-04	15.5 - 20.5	290	1,135	287	113	0	430	44	459	206	235	1,372	601	77	369	1,720
OU2IW-01S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-06	15.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	9,241	--
OU2MW-06S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-07	15.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	66	--
OU2MW-07S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-10D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-10I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-10S	3.0 - 7.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-12D	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-12I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-12I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-12S	3.0 - 7.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-13D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-13I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-13S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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

Well No.	Screen Interval (feet)	Total PAH Concentrations (ug/L)														
		Sampling Date														
		2006				2007				2008		Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		March	June	Jul/Aug	Nov/Dec	March	May-July	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun					
GMP-02	18.0 - 23.0	0	0	10	11	0	0	0	0	0	0	0	8,837	2,851	0	8,837
GMP-04	15.5 - 20.5	41	22	573	232	1,380	39	1,523	1467	1	0	0	1,720	526	0	1,720
OU2IW-01S	3.0 - 8.0	--	--	--	--	--	--	0	0	48	0	0	48	16	0	48
OU2MW-06	15.0 - 25.0	19	0	0	0	0	0	0	3	6	0	0	9,241	927	0	9,241
OU2MW-06S	3.0 - 8.0	--	--	--	--	--	--	10	0	0	0	0	10	3	0	10
OU2MW-07	15.0 - 25.0	69	0	0	0	0	0	0	37	0	0	0	69	17	0	69
OU2MW-07S	3.0 - 8.0	--	--	--	--	--	--	0	7	0	0	0	7	2	0	7
OU2MW-10D	35.0 - 40.0	--	--	--	--	--	--	0	0	0	413	0	0	0	0	413
OU2MW-10I	20.0 - 25.0	--	--	--	--	--	--	0	297	201	1	0	297	166	0	297
OU2MW-10S	3.0 - 7.0	--	--	--	--	--	--	0	0	0	5	0	0	0	0	5
OU2MW-12D	40.0 - 45.0	--	--	--	--	--	--	79	39	44	35	39	79	54	35	79
OU2MW-12I	20.0 - 25.0	--	--	--	--	--	--	888	97	268	137	97	888	418	97	888
OU2MW-12I2	30.0 - 35.0	--	--	--	--	--	--	3	7	30	5	3	30	13	3	30
OU2MW-12S	3.0 - 7.0	--	--	--	--	--	--	0	0	0	0	0	0	0	0	0
OU2MW-13D	35.0 - 40.0	--	--	--	--	--	--	15	2	1	4	1	15	6	1	15
OU2MW-13I	20.0 - 25.0	--	--	--	--	--	--	12	10	1	7	1	12	8	1	12
OU2MW-13S	3.0 - 8.0	--	--	--	--	--	--	0	0	0	0	0	0	0	0	0

NOTES:
-- = Not Analyzed/Applicable
ug/L - Micrograms per liter
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.
Peristaltic pump results are shown on this table.

Table 3-11
Summary of BTEX, MTBE, and PAH Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Operable Unit: **Well ID:** **Screened Interval (feet):** **Date Sampled:**	**NYS AWQS**	**OU2** **BBMW-07D** **55-65** **6/12/2008**	**OU2** **BBMW-07I** **30-40** **6/12/2008**
BTEX (ug/L)			
Benzene	1	10 U	10 U
Toluene	5	10 U	10 U
Ethylbenzene	5	10 U	10 U
Xylene, total	5	10 U	10 U
Total BTEX	NE	ND	ND
Other VOCs (ug/L)			
Methyl tert-butyl ether	10*	10 U	10 U
Non-carcinogenic PAHs (ug/L)			
Acenaphthene	20*	10 U	10 U
Acenaphthylene	NE	10 U	10 U
Anthracene	50*	10 UJ	10 UJ
Fluoranthene	50*	10 UJ	10 UJ
Fluorene	50*	10 UJ	10 UJ
Methylnaphthalene,2-	NE	10 U	10 U
Naphthalene	10*	10 U	10 U
Phenanthrene	50*	10 UJ	10 UJ
Pyrene	50*	10 UJ	10 UJ
Total Noncarcinogenic PAHs	NE	ND	ND
Carcinogenic PAHs (ug/L)			
Total Carcinogenic PAHs	NE	ND	ND
Total PAHs (ug/L)			
Total PAHs	NE	ND	ND

NOTES:

BTEX - benzene, toluene, ethylbenzene, and xylene (a subset of VOCs)
VOCs - volatile organic compounds
PAHs - polycyclic aromatic hydrocarbons
ug/L - micrograms per liter or parts per billion (ppb)
Ambient Water Quality Standards
* indicates the value is a guidance value and not a standard
NE - not established
ND - not detected; total
Bolding indicates the compound was detected
Shading indicates an exceedance of established NYS AWQS
U - indicates not detected at or above the reporting limit shown
J - estimated value
UJ - not detected at or above the

Table 3-12
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
Sample Name:		BBMW-01D	BBMW-01D	BBMW-01D	BBMW-01I	BBMW-01I	BBMW-01I	BBMW-01S	BBMW-01S	BBMW-01S	BBMW-02D	BBMW-02I	BBMW-02S
Sample Interval (feet):	NYS	68.5-78.5	68.5-78.5	68.5-78.5	32-42	32-42	32-42	5-15	5-15	5-15	73-83	30-40	5-15
Sample Date:	AWQS	4/23/2008	5/27/2008	6/24/2008	4/23/2008	5/27/2008	6/24/2008	4/23/2008	5/27/2008	6/24/2008	5/27/2008	5/27/2008	5/27/2008
BTEX (ug/L)													
Benzene	1	**1 J**	**1 J**	**2 J**	10 U	10 U	**1 J**	**440**	**190**	**120**	10 U	10 U	10 U
Toluene	5	**3 J**	**2 J**	**4 J**	10 U	10 U	10 U	**82**	**52**	**32**	10 U	10 U	10 U
Ethylbenzene	5	**7**	**7**	**21**	10 U	**1 J**	**9**	**890**	**510**	**530**	10 U	10 U	**2 J**
Xylene, m,p-	5	**11**	**11**	**31**	**23**	**27**	**42**	**810**	**550**	**380**	10 U	10 U	**1 J**
Xylene, o-	5	**13**	**11**	**23**	**7**	**8**	**12**	**800**	**620**	**920**	10 U	10 U	**1 J**
Total BTEX	NE	**35**	**32**	**81**	**30**	**36**	**64**	**3022**	**1922**	**1982**	ND	ND	**4**
Other VOCs (ug/L)													
Acetone	50*	10 U	10 UJ	10 U	10 U	10 UJ	12 UJ	10 U	10 UJ	10 U	10 U	10 UJ	10 UJ
Butanone, 2-	50*	10 UJ	10 UJ	10 U	10 UJ	10 UJ	**8 J**	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	7	10 U	10 U	10 U	10 U	**1 J**	**2 J**	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	**4 J**	10 U	**8**	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	**2 J**	10 U	**4 J**	10 U	10 U	10 U
Dichlorodifluoromethane	5	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 U
Dichloroethane,1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**1 J**	10 U	10 U
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
Dichloroethene,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
Isopropyl benzene	5	10 U	10 U	10 U	**6**	**7**	**10**	**73**	**75**	**99**	10 U	10 U	10 U
Methyl tert-butyl ether	10*	10 U	10 U	10 U	**8**	**7**	**3 J**	10 U	10 U	10 U	**19**	**3 J**	10 U
Naphthalene	10*	**130**	**120**	**400**	**5300**	**5700**	**9400**	**3700**	**3500**	**2900**	**2 J**	**20**	**23**
Propylbenzene, n-	5	10 U	10 U	10 U	**25**	**26**	**32**	**32**	**34**	**37**	10 U	10 U	10 U
Styrene	5	**7**	**5**	10 U	**9**	**9**	**11**	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	5	10 U	10 U	10 U	**8**	**7**	**8**	10 U	10 U	10 U	10 U	10 U	10 U
Tetrahydrofuran	50*	10 U	10 U	10 UJ	10 U	10 U	**4 J**	10 U	10 U	10 UJ	10 U	10 U	10 U
Trichloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene 1,3,5-/P-ethyltoluene	5	**3 J**	**3 J**	**7 J**	**160**	**160**	**210**	**390**	**430**	**560**	10 U	10 U	10 U
Trimethylbenzene, 1,2,4-	5	**10**	**9 J**	**23**	**270**	**230 J**	**550**	**600**	**520**	**800**	10 U	10 U	**2 J**
Trimethylpentane, 2,2,4-	NE	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 U
Non-carcinogenic PAHs (ug/L)													
Acenaphthene	20*	10 U	10 U	10 U	**18**	**20**	**21**	**61**	**69**	**72**	10 U	10 U	10 U
Acenaphthylene	NE	**2 J**	10 U	**7**	**310 J**	**380**	**500**	**43**	**39**	**26**	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	**8**	**9**	**9**	**6**	**4 J**	**6**	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	**3 J**	**3 J**	**3 J**	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	**40**	**44**	**50**	**28**	**23**	**27**	10 U	10 U	10 U
Methylnaphthalene,2-	NE	**5**	10 U	**16**	**700**	**800**	**1100**	**350**	**97**	**280**	10 U	10 U	10 U
Naphthalene	10*	**55**	10 U	**160**	**2900**	**2500**	**4800**	**1100**	**450**	**1200**	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	**39**	**43**	**46**	**31**	**7**	**29**	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	**3 J**	**3 J**	**3 J**	10 U	10 U	10 U	10 U	10 U	10 U
Total Noncarcinogenic PAHs	NE	**62**	ND	**183**	**4021**	**3802**	**6532**	**1619**	**689**	**1640**	ND	ND	ND
Carcinogenic PAHs (ug/L)													
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)													
Total PAHs	NE	**62**	ND	**183**	**4021**	**3802**	**6532**	**1619**	**689**	**1640**	ND	ND	ND

Table 3-12
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
Sample Name:		BBMW-03D	BBMW-03I	BBMW-03S	BBMW-07S	BBMW-15D	BBMW-15I	BBMW-15I2	BBMW-15S	BBMW-16D	BBMW-16I	BBMW-16S	BBMW-23D
Sample Interval (feet):	NYS	52-62	30-40	3-13	5-15	70-80	23-28	35-45	5-15	68-78	35-45	5-15	49.5-59.5
Sample Date:	AWQS	5/22/2008	5/22/2008	5/21/2008	6/12/2008	5/30/2008	5/30/2008	6/2/2008	6/2/2008	6/9/2008	6/9/2008	6/9/2008	4/24/2008
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	**1 J**
Ethylbenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**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	**12**
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	**7**
Total BTEX	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**23**
Other VOCs (ug/L)													
Acetone	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**7**	10 U
Butanone, 2-	50*	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	7	10 U	10 U	10 U	**2 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,2-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,3-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,4-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	5	10 U	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U
Dichloroethane,1,1-	5	10 U	10 U	10 U	10 U	**2 J**	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	**1 J**	10 U	10 U
Dichloroethene,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
Isopropyl benzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U
Methyl tert-butyl ether	10*	10 U	**130**	10 U	10 U	**100**	**9**	10 U	10 U	10 UJ	10 UJ	**3 J**	**2 J**
Naphthalene	10*	**3 J**	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 U	10 U	10 U	**200**
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	**7**
Tetrachloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**3 J**	10 U	10 U
Tetrahydrofuran	50*	10 U	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U
Trichloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene 1,3,5-/P-ethyltoluene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**5**
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	**13**
Trimethylpentane, 2,2,4-	NE	10 U	**6**	10 U	10 U	10 U	10 U	10 U	10 U	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	**2 J**
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**1 J**	10 U	10 U	**17**
Anthracene	50*	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**2 J**
Fluoranthene	50*	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**1 J**
Fluorene	50*	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**7**
Methylnaphthalene,2-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**3 J**	10 U	10 U	**33**
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**19**	10 U	10 U	**120**
Phenanthrene	50*	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**4 J**
Pyrene	50*	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**2 J**
Total Noncarcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	**23**	ND	ND	**188**
Carcinogenic PAHs (ug/L)													
Total Carcinogenic PAHs	NE	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	**23**	ND	ND	**188**

Table 3-12
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
Sample Name:		BBMW-23D	BBMW-23D	BBMW-23D2	BBMW-23D2	BBMW-23D2	BBMW-23I	BBMW-23I	BBMW-23I	BBMW-23S	BBMW-23S	BBMW-23S	BBMW-24D
Sample Interval (feet):	NYS	49.5-59.5	49.5-59.5	63-73	63-73	63-73	33-43	33-43	33-43	5-15	5-15	5-15	59.5-69.5
Sample Date:	AWQS	5/28/2008	6/23/2008	4/24/2008	5/28/2008	6/23/2008	4/24/2008	5/28/2008	6/23/2008	4/24/2008	5/28/2008	6/23/2008	6/5/2008
BTEX (ug/L)													
Benzene	1	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**30**	**9**	**10**	10 U
Toluene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**100**	**27**	**41**	**14**
Ethylbenzene	5	**4 J**	**1 J**	10 U	**2 J**	10 U	10 U	**2 J**	10 U	**14000**	**5900**	**7900**	**24**
Xylene, m,p-	5	**9**	**6 J**	10 U	**1 J**	10 U	10 U	**1 J**	10 U	**6800**	**3600**	**4800**	**110**
Xylene, o-	5	**4 J**	**3 J**	10 U	10 U	10 U	10 U	10 U	10 U	**1900**	**1200**	**1500**	**67**
Total BTEX	NE	**17**	**10**	ND	**3**	ND	ND	**3**	ND	**22830**	**10736**	**14251**	**215**
Other VOCs (ug/L)													
Acetone	50*	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	**9 J**	10 U	10 U
Butanone, 2-	50*	10 UJ	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ	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
Chloroform	7	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**1 J**
Dichlorobenzene,1,2-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,3-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,4-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	5	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
Dichloroethane,1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
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
Dichloroethene,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
Isopropyl benzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**390 J**	**210 J**	**260**	**3 J**
Methyl tert-butyl ether	10*	**4 J**	**5 J**	10 U	10 U	10 U	**27**	**23**	**17**	10 U	10 U	10 U	**4 J**
Naphthalene	10*	**120**	**100**	10 U	**10**	10 U	**4 J**	**8**	**4 J**	**3800**	**1900**	**2100**	**1300**
Propylbenzene, n-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**140**	**63**	**81**	**8**
Styrene	5	**3 J**	**3 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**63**
Tetrachloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrahydrofuran	50*	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	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 U	10 U
Trimethylbenzene 1,3,5-/P-ethyltoluene	5	**3 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**360**	**240**	**280**	**53**
Trimethylbenzene, 1,2,4-	5	**7**	**5 J**	10 U	10 U	10 U	10 U	10 U	10 U	**1500**	**710**	**900**	**110**
Trimethylpentane, 2,2,4-	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
Non-carcinogenic PAHs (ug/L)													
Acenaphthene	20*	10 U	**1 J**	**2 J**	10 U	10 U	10 U	10 U	10 U	**32**	**29**	**27**	**3**
Acenaphthylene	NE	10 U	**8 J**	**2 J**	**1 J**	10 U	**2 J**	10 U	10 U	10 U	**3 J**	**2 J**	**29**
Anthracene	50*	10 U	**2**	10 U	10 U	10 U	10 U	10 U	10 U	**11**	**9**	**9**	**2 J**
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**3 J**	**3 J**	**3 J**	10 U
Fluorene	50*	10 U	**4 J**	**1 J**	10 U	10 U	10 U	10 U	10 U	**16**	**14**	**13**	**8 J**
Methylnaphthalene,2-	NE	10 U	**14**	**10**	**3 J**	10 U	**4 J**	10 U	10 U	**160 J**	**99 J**	**100 J**	**55**
Naphthalene	10*	**4 J**	**41**	**34**	**10**	10 U	**7**	10 U	10 U	**1900**	**1100**	**1400**	**55**
Phenanthrene	50*	10 U	**10**	**1 J**	10 U	10 U	**1 J**	10 U	10 U	**44**	**44**	**39**	**8**
Pyrene	50*	**1 J**	**1 J**	10 U	10 U	10 U	10 U	10 U	10 U	**3 J**	**6**	**3 J**	10 U
Total Noncarcinogenic PAHs	NE	**5**	**81**	**50**	**14**	ND	**14**	ND	ND	**2169**	**1307**	**1596**	**160**
Carcinogenic PAHs (ug/L)													
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)													
Total PAHs	NE	**5**	**81**	**50**	**14**	ND	**14**	ND	ND	**2169**	**1307**	**1596**	**160**

Table 3-12
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
Sample Name:		BBMW-24I	BBMW-24S	BBMW-25D	BBMW-25I	BBMW-25S	GM-03D	GM-03I	GM-03S	GM-05D	GM-05I	GM-05S	GMP-01
Sample Interval (feet):	NYS	32-42	4-14	62-72	25-35	4-14	53.18-68.18	30.03-45.03	6.78-21.78	60.95-75.95	35.05-48.05	5.1-20.1	25-30
Sample Date:	AWQS	6/5/2008	6/5/2008	5/21/2008	5/21/2008	5/21/2008	6/19/2008	6/3/2008	6/19/2008	6/12/2008	6/9/2008	6/9/2008	5/28/2008
BTEX (ug/L)													
Benzene	1	10 U	10 U	10 U	**74**	10 U	10 U	**66**	10 U	10 U	10 U	**34**	**29**
Toluene	5	10 U	10 U	10 U	**2 J**	10 U	10 U	**1 J**	10 U	10 U	10 U	10 U	**3 J**
Ethylbenzene	5	10 U	10 U	10 U	**25**	10 U	10 U	**70**	10 U	10 U	10 U	**8**	**14**
Xylene, m,p-	5	10 U	10 U	**3 J**	**24**	10 U	10 U	**2 J**	10 U	10 U	10 U	**7 J**	**27**
Xylene, o-	5	10 U	10 U	**3 J**	**44**	10 U	10 U	**22**	10 U	10 U	10 U	**6 J**	**21**
Total BTEX	NE	ND	ND	**6**	**169**	ND	ND	**161**	ND	ND	ND	**55**	**94**
Other VOCs (ug/L)													
Acetone	50*	10 U	10 U	10 U	**5**	10 U	10 U	10 UJ	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 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
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
Dichlorobenzene,1,2-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,3-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,4-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 U	10 U	10 U
Dichloroethane,1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
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
Dichloroethene,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
Isopropyl benzene	5	10 U	10 U	10 U	**4 J**	10 U	10 U	**10**	10 U	10 U	10 U	**4 J**	**8**
Methyl tert-butyl ether	10*	**3 J**	10 U	**15**	**5**	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	**31**
Naphthalene	10*	**69**	**7**	**58**	**480**	**16**	10 U	**390**	**4 J**	10 U	**11**	**39**	**3700**
Propylbenzene, n-	5	10 U	10 U	10 U	10 U	10 U	10 U	**3 J**	10 U	10 U	10 U	10 U	**13**
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
Tetrachloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	**4 J**
Tetrahydrofuran	50*	10 UJ	10 UJ	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U
Trichloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene 1,3,5-/P-ethyltoluene	5	10 U	10 U	10 U	**24**	10 U	10 U	**12**	10 U	10 U	10 U	**7**	**99**
Trimethylbenzene, 1,2,4-	5	**3 J**	10 U	10 U	**48**	10 U	10 U	**31**	10 U	10 U	10 U	**7**	**170**
Trimethylpentane, 2,2,4-	NE	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 UJ	10 U
Non-carcinogenic PAHs (ug/L)													
Acenaphthene	20*	**4 J**	10 U	10 U	**6**	10 U	10 U	**25**	10 U	10 U	10 U	**3 J**	**13**
Acenaphthylene	NE	**43**	10 U	10 U	**28**	10 U	10 U	**3 J**	10 U	10 U	10 U	**12**	**170 J**
Anthracene	50*	**5**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**7**
Fluoranthene	50*	**1 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**2 J**
Fluorene	50*	**3 J**	10 U	10 U	**8**	10 U	10 U	**6**	10 U	10 U	10 U	**2 J**	**25**
Methylnaphthalene,2-	NE	10 U	10 U	10 U	10 U	10 U	10 U	**5**	10 U	10 U	10 U	10 U	**170 J**
Naphthalene	10*	**5**	10 U	10 U	11 U	10 U	10 U	**61**	10 U	10 U	10 U	**11**	**1600**
Phenanthrene	50*	**24**	10 U	10 U	**6**	10 U	10 U	**6**	10 U	10 U	10 U	**2 J**	**31**
Pyrene	50*	**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 Noncarcinogenic PAHs	NE	**87**	ND	ND	**48**	ND	ND	**106**	ND	ND	ND	**30**	**2020**
Carcinogenic PAHs (ug/L)													
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)													
Total PAHs	NE	**87**	ND	ND	**48**	ND	ND	**106**	ND	ND	ND	**30**	**2020**

Table 3-12
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
Sample Name:		GMP-02	GMP-04	OU2IW-01S	OU2MW- 01D	OU2MW-01I	OU2MW-01I2	OU2MW-01S	OU2MW-01WT	OU2MW-02D	OU2MW-02I	OU2MW-02I2	OU2MW-02S
Sample Interval (feet):	NYS	18-23	15.5-20.5	3-8	65-70	35-40	50-55	20-25	3-8	65-70	35-40	50-55	20-25
Sample Date:	AWQS	5/28/2008	6/13/2008	5/29/2008	5/21/2008	5/21/2008	5/21/2008	5/21/2008	5/21/2008	5/22/2008	5/22/2008	5/22/2008	5/22/2008
BTEX (ug/L)													
Benzene	1	**1 J**	10 U	10 U	10 U	10 U	10 U	**2 J**	10 U	10 U	**20**	10 U	**14**
Toluene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**84**	10 U	10 U
Ethylbenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**13**	10 U	**18**
Xylene, m,p-	5	10 U	10 U	10 U	10 U	10 U	10 U	**2 J**	10 U	10 U	**75**	10 U	**7**
Xylene, o-	5	**3 J**	10 U	10 U	10 U	**1 J**	10 U	**2 J**	10 U	10 U	**220**	10 U	**13**
Total BTEX	NE	**4**	ND	ND	ND	**1**	ND	**6**	ND	ND	**412**	ND	**52**
Other VOCs (ug/L)													
Acetone	50*	10 UJ	10 U	10 UJ	10 U	**11 J**	**3 J**	**6 J**	10 U	10 U	10 U	10 U	10 U
Butanone, 2-	50*	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	7	10 U	10 U	10 U	10 U	**23**	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,2-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,3-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,4-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	5	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethane,1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**3 J**	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
Dichloroethene,1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**1 J**	10 U	10 U
Isopropyl benzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**27**	10 U	**7**
Methyl tert-butyl ether	10*	**2 J**	10 U	10 U	10 U	**7**	**3 J**	10 U	10 U	10 U	**20**	**4 J**	10 U
Naphthalene	10*	**13**	10 U	10 U	**5**	**2 J**	10 U	**82**	**2 J**	10 U	**3000**	**6**	**15**
Propylbenzene, n-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**8**	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
Tetrachloroethene	5	10 U	10 U	10 U	10 U	**2 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrahydrofuran	50*	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene 1,3,5-/P-ethyltoluene	5	10 U	10 U	10 U	10 U	**7**	10 U	**7**	10 U	10 U	**48**	10 U	**3 J**
Trimethylbenzene, 1,2,4-	5	10 U	10 U	10 U	10 U	10 U	10 U	**19**	10 U	10 U	**28**	10 U	**11**
Trimethylpentane, 2,2,4-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
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	**9**	10 U	**28**
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**16**	**1 J**	**36**
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**2 J**	10 U	**3 J**
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	**2 J**	10 U	**11**
Methylnaphthalene,2-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**14**	10 U	**18**
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 Noncarcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	**43**	**1**	**96**
Carcinogenic PAHs (ug/L)													
Total Carcinogenic PAHs	NE	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	ND	**43**	**1**	**96**

Table 3-12
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: / Sample Interval (feet): / Sample Date:	NYS AWQS	OU2 OU2MW-03D 65-70 5/23/2008	OU2 OU2MW-03I 35-40 5/23/2008	OU2 OU2MW-03I2 50-55 5/23/2008	OU2 OU2MW-03S 20-25 5/23/2008	OU2 OU2MW-04D 65-70 5/23/2008	OU2 OU2MW-04I 35-40 5/23/2008	OU2 OU2MW-04I2 50-55 5/23/2008	OU2 OU2MW-04S 20-25 5/23/2008	OU2 OU2MW-04WT 3-8 5/23/2008	OU2 OU2MW-05 25-35 5/29/2008	OU2 OU2MW-06 15-25 5/22/2008	OU2 OU2MW-06S 3-8 5/22/2008
BTEX (ug/L)													
Benzene	1	10 U	10 U	10 U	**54**	10 U	**11**	10 U	**65**	10 U	**61**	**2 J**	10 U
Toluene	5	10 U	10 U	10 U	10 U	**1 J**	10 U	10 U	**4 J**	10 U	**4 J**	10 U	10 U
Ethylbenzene	5	10 U	10 U	10 U	**29**	10 U	**5 J**	10 U	**41**	10 U	**31**	10 U	10 U
Xylene, m,p-	5	10 U	10 U	10 U	**2 J**	10 U	**4 J**	10 U	**52**	10 U	**30**	10 U	10 U
Xylene, o-	5	10 U	10 U	10 U	**9**	10 U	**5**	10 U	**38**	10 U	**32**	**1 J**	10 U
Total BTEX	NE	ND	ND	ND	**94**	**1**	**25**	ND	**200**	ND	**158**	**3**	ND
Other VOCs (ug/L)													
Acetone	50*	10 UJ	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 UJ
Butanone, 2-	50*	10 UJ	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
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
Dichlorobenzene,1,2-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,3-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,4-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	5	10 U	10 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
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
Dichloroethene,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
Isopropyl benzene	5	10 U	10 U	10 U	**7**	10 U	**4 J**	10 U	**12**	10 U	**9**	10 U	10 U
Methyl tert-butyl ether	10*	10 U	**37**	10 U	10 U	10 U	**21**	10 U	**11**	10 U	**23**	**1 J**	10 U
Naphthalene	10*	10 UJ	**2 J**	10 U	10 UJ	10 UJ	**520**	10 U	**5300**	**6**	**1300**	**18**	**3 J**
Propylbenzene, n-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**20**	10 U	**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
Tetrachloroethene	5	10 U	10 U	10 U	10 U	10 U	**2 J**	**1 J**	**6**	10 U	**2 J**	**1 J**	10 U
Tetrahydrofuran	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**3 J**	10 U	10 U
Trimethylbenzene 1,3,5-/P-ethyltoluene	5	10 U	10 U	10 U	10 U	10 U	**10**	10 U	**130**	10 U	**71**	10 U	10 U
Trimethylbenzene, 1,2,4-	5	10 U	10 U	10 U	**40**	10 U	**8**	10 U	**310**	10 U	**140**	10 U	10 U
Trimethylpentane, 2,2,4-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Non-carcinogenic PAHs (ug/L)													
Acenaphthene	20*	10 U	10 U	10 U	**14**	10 U	10 U	10 U	**16**	10 U	**9**	10 U	10 U
Acenaphthylene	NE	10 U	**2 J**	10 U	**23**	10 U	10 U	**1 J**	**130 J**	10 U	**70**	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	**1 J**	10 U	10 U	10 U	**4 J**	10 U	**4 J**	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**1 J**	10 U	**1 J**	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	**6**	10 U	10 U	10 U	**23**	10 U	**17**	10 U	10 U
Methylnaphthalene,2-	NE	10 U	**5**	10 U	10 U	10 U	10 U	**3 J**	**340**	10 U	**8**	10 U	10 U
Naphthalene	10*	10 U	19 U	10 U	**2 J**	10 U	10 U	**19**	**2400**	10 U	**390**	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	**15**	10 U	10 U	10 U	**20**	10 U	**16**	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**2 J**	10 U	**1 J**	10 U	10 U
Total Noncarcinogenic PAHs	NE	ND	**7**	ND	**61**	ND	ND	**23**	**2936**	ND	**516**	ND	ND
Carcinogenic PAHs (ug/L)													
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)													
Total PAHs	NE	ND	**7**	ND	**61**	ND	ND	**23**	**2936**	ND	**516**	ND	ND

Table 3-12
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
Sample Name:		OU2MW-07	OU2MW-07S	OU2MW-08D	OU2MW-08I	OU2MW-08I2	OU2MW-08S	OU2MW-09	OU2MW-10D	OU2MW-10I	OU2MW-10S	OU2MW-11D	OU2MW-11I
Sample Interval (feet):	NYS	15-25	3-8	65-60	35-40	50-55	20-25	20-30	35-40	20-25	3-7	40-45	20-25
Sample Date:	AWQS	5/22/2008	5/22/2008	6/20/2008	6/20/2008	6/20/2008	6/20/2008	5/21/2008	6/4/2008	6/4/2008	6/4/2008	5/29/2008	5/29/2008
BTEX (ug/L)													
Benzene	1	10 U	10 U	10 U	**85**	**150**	**350 J**	10 U	**160**	**14**	10 U	10 U	**100**
Toluene	5	10 U	10 U	10 U	**3 J**	**9**	**18**	10 U	**2 J**	10 U	10 U	10 U	**5**
Ethylbenzene	5	10 U	10 U	10 U	**52**	**52**	**210 J**	10 U	**3 J**	10 U	10 U	10 U	**58**
Xylene, m,p-	5	10 U	10 U	10 U	**63**	**40**	**140**	10 U	**13**	10 U	10 U	10 U	**53**
Xylene, o-	5	**3 J**	10 U	10 U	**42**	**66**	**140**	10 U	**20**	10 U	10 U	10 U	**47**
Total BTEX	NE	**3**	ND	ND	**245**	**317**	**858**	ND	**198**	**14**	ND	ND	**263**
Other VOCs (ug/L)													
Acetone	50*	10 UJ	10 UJ	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 UJ	10 UJ
Butanone, 2-	50*	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 UJ	10 UJ
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	7	10 U	10 U	10 U	**2 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,2-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,3-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,4-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	5	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	**1 J**	10 U	10 U
Dichloroethane,1,1-	5	**1 J**	10 U	10 U	10 U	**1 J**	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
Dichloroethene,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
Isopropyl benzene	5	10 U	10 U	10 U	**17**	**31**	**26**	10 U	**18 J**	10 U	10 U	10 U	**10**
Methyl tert-butyl ether	10*	**18**	10 U	10 U	**10**	**82**	10 U	**26**	**2 J**	**4 J**	10 U	10 U	**2 J**
Naphthalene	10*	**2 J**	10 U	10 U	**8000**	**3100**	**10000**	**5**	**670**	**14**	10 U	10 U	**4000**
Propylbenzene, n-	5	10 U	10 U	10 U	**26**	**21**	**47**	10 U	10 U	10 U	10 U	10 U	**16**
Styrene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**6**	10 U	10 U	10 U	10 U
Tetrachloroethene	5	**2 J**	10 U	10 U	**8**	**3 J**	**2 J**	10 U	10 U	10 U	10 U	10 U	**2 J**
Tetrahydrofuran	50*	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U
Trichloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene 1,3,5-/P-ethyltoluene	5	10 U	10 U	10 U	**200**	**94**	**380**	10 U	**12**	10 U	10 U	10 U	**130**
Trimethylbenzene, 1,2,4-	5	10 U	10 U	10 U	**570 J**	**100**	**630**	10 U	**3 J**	10 U	10 U	10 U	**430**
Trimethylpentane, 2,2,4-	NE	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Non-carcinogenic PAHs (ug/L)													
Acenaphthene	20*	10 U	10 U	10 U	**20**	**23**	**27**	10 U	**21**	**1 J**	10 U	10 U	**30**
Acenaphthylene	NE	10 U	10 U	10 U	**370 J**	**220 J**	**260 J**	10 U	**12**	10 U	10 U	10 U	**100 J**
Anthracene	50*	10 U	10 U	10 U	**8**	**2 J**	**9**	10 U	10 U	10 U	10 U	10 U	**5**
Fluoranthene	50*	10 U	10 U	10 U	**1 J**	10 U	**2 J**	10 U	10 U	10 U	10 U	10 U	**2 J**
Fluorene	50*	10 U	10 U	10 U	**52**	**3 J**	**48**	10 U	10 U	10 U	10 U	10 U	**24**
Methylnaphthalene,2-	NE	10 U	10 U	10 U	**810**	**38**	**710**	10 U	10 U	10 U	10 U	10 U	**190 J**
Naphthalene	10*	10 U	10 U	10 U	**3500**	**1800**	**5400**	10 U	**380**	10 U	**5**	10 U	**1600**
Phenanthrene	50*	10 U	10 U	10 U	**43**	**34**	**45**	10 U	10 U	10 U	10 U	10 U	**24**
Pyrene	50*	10 U	10 U	10 U	**1 J**	10 U	**3 J**	10 U	10 U	10 U	10 U	10 U	**2 J**
Total Noncarcinogenic PAHs	NE	ND	ND	ND	**4805**	**2120**	**6504**	ND	**413**	**1**	**5**	ND	**1977**
Carcinogenic PAHs (ug/L)													
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)													
Total PAHs	NE	ND	ND	ND	**4805**	**2120**	**6504**	ND	**413**	**1**	**5**	ND	**1977**

Table 3-12
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
Sample Name:		OU2MW-11I2	OU2MW-11S	OU2MW-12D	OU2MW-12I	OU2MW-12I2	OU2MW-12S	OU2MW-13D	OU2MW-13I	OU2MW-13S	OU2MW-14I	OU2MW-14I	OU2MW-14I2
Sample Interval (feet):	NYS	30-35	3-8	40-45	20-25	30-35	3-7	35-40	20-25	3-8	20-25	20-25	45-50
Sample Date:	AWQS	5/29/2008	5/29/2008	6/3/2008	6/3/2008	6/3/2008	6/3/2008	6/5/2008	6/5/2008	6/5/2008	6/12/2008	6/17/2008	6/13/2008
BTEX (ug/L)													
Benzene	1	**2 J**	10 U	**5**	**9**	**1 J**	10 U	**8**	**4 J**	10 U	10 U	10 U	10 U
Toluene	5	**1 J**	10 U	**1 J**	**19**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	5	**2 J**	10 U	10 U	**8**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene, m,p-	5	**17**	10 U	**2 J**	**17**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene, o-	5	**11**	10 U	**3 J**	**28**	**1 J**	10 U	**2 J**	10 U	10 U	10 U	10 U	10 U
Total BTEX	NE	**33**	ND	**11**	**81**	**2**	ND	**10**	**4**	ND	ND	ND	ND
Other VOCs (ug/L)													
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
Butanone, 2-	50*	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 U
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
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
Dichlorobenzene,1,2-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,3-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,4-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	5	10 U	10 U	10 UJ	10 UJ	10 UJ	**7 J**	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ
Dichloroethane,1,1-	5	10 U	10 U	10 U	**1 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
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
Dichloroethene,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
Isopropyl benzene	5	**3 J**	10 U	**6 J**	**4 J**	10 UJ	10 UJ	**6**	10 U	10 U	10 UJ	10 U	10 U
Methyl tert-butyl ether	10*	**12**	10 U	**36**	**68**	**31**	10 U	**38**	10 U	10 U	**3 J**	**3 J**	10 U
Naphthalene	10*	**690**	**26**	**13 J**	**650**	**17 J**	**3 J**	**3 J**	**2 J**	10 U	10 U	10 U	10 U
Propylbenzene, n-	5	**5**	10 U	10 U	**3 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	5	10 U	10 U	10 U	**17**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	5	**2 J**	10 U	10 U	**2 J**	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 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	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 U	10 U
Trimethylbenzene 1,3,5-/P-ethyltoluene	5	**23**	10 U	**5**	**25**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene, 1,2,4-	5	**29**	10 U	10 U	**33**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylpentane, 2,2,4-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 U
Non-carcinogenic PAHs (ug/L)													
Acenaphthene	20*	10 U	10 U	**4 J**	**3 J**	10 U	10 U	**1 J**	**3 J**	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	**19**	**24**	**5**	10 U	**3 J**	**3 J**	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ
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 UJ
Fluorene	50*	10 U	10 U	10 U	**3 J**	10 U	10 U	10 U	**1 J**	10 U	10 U	10 U	10 UJ
Methylnaphthalene,2-	NE	10 U	10 U	10 U	**7**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	**9**	**98**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	**3 J**	**2 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ
Pyrene	50*	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ
Total Noncarcinogenic PAHs	NE	ND	ND	**35**	**137**	**5**	ND	**4**	**7**	ND	ND	ND	ND
Carcinogenic PAHs (ug/L)													
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)													
Total PAHs	NE	ND	ND	**35**	**137**	**5**	ND	**4**	**7**	ND	ND	ND	ND

Table 3-12
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: / Sample Interval (feet): / Sample Date:	NYS AWQS	OU2 OU2MW-14S 3-8 6/10/2008	OU2 OU2MW-15D 40-45 6/2/2008	OU2 OU2MW-15I 20-25 6/2/2008	OU2 OU2MW-15I2 30-35 6/2/2008	OU2 OU2MW-15S 3-8 6/2/2008	OU2 OU2MW-16D 35-40 6/4/2008	OU2 OU2MW-16I 15-20 6/4/2008	OU2 OU2MW-16I2 25-30 6/4/2008	OU2 OU2MW-16S 3-8 6/5/2008	OU2 OU2MW-17D 60-70 5/20/2008	OU2 OU2MW-17I 13-23 5/20/2008	OU2 OU2MW-17I2 35-45 5/20/2008
BTEX (ug/L)													
Benzene	1	10 U	10 U	**6**	10 U	10 U	10 U	10 U	**2 J**	10 U	10 U	**25**	10 U
Toluene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**1 J**	10 U
Ethylbenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**43**	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	**3 J**	10 U
Xylene, o-	5	10 U	10 U	**2 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**18**	10 U
Total BTEX	NE	ND	ND	**8**	ND	ND	ND	ND	**2**	ND	ND	**90**	ND
Other VOCs (ug/L)													
Acetone	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ
Butanone, 2-	50*	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
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
Dichlorobenzene,1,2-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,3-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,4-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	5	10 U	10 UJ	10 UJ	10 UJ	10 UJ	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
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
Dichloroethene,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
Isopropyl benzene	5	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	**3 J**	10 U
Methyl tert-butyl ether	10*	10 UJ	10 U	**9**	10 U	10 U	**27**	10 U	**19**	10 U	10 U	10 U	**2 J**
Naphthalene	10*	**7**	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	**68**	10 U
Propylbenzene, n-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	5	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrahydrofuran	50*	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U
Trichloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene 1,3,5-/P-ethyltoluene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**7 J**	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	**14**	10 U
Trimethylpentane, 2,2,4-	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
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	**4 J**	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**4 J**	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
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	**1 J**	10 U
Methylnaphthalene,2-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**14**	10 U
Phenanthrene	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
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 Noncarcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**25**	ND
Carcinogenic PAHs (ug/L)													
Total Carcinogenic PAHs	NE	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	ND	ND	**25**	ND

Table 3-12
Summary of Expanded Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Operable Unit:		OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2	OU2
Sample Name:		OU2MW-17S	OU2MW-18D	OU2MW-18I	OU2MW-18I2	OU2MW-19I	OU2MW-19I2	OU2MW-20I	OU2MW-20I2	OU2MW-20S	OU2MW-21I
Sample Interval (feet):	NYS	5-10	60-70	13-23	35-45	13-23	35-45	13-23	35-45	4-9	13-23
Sample Date:	AWQS	5/20/2008	5/19/2008	5/19/2008	5/19/2008	5/21/2008	5/23/2008	5/21/2008	5/21/2008	5/21/2008	5/23/2008
BTEX (ug/L)											
Benzene	1	10 U	10 U	**3900**	10 U	**15**	**16**	**2 J**	10 U	10 U	**360 J**
Toluene	5	10 U	10 U	**20**	10 U	**61**	10 U	**7**	10 U	10 U	**20**
Ethylbenzene	5	10 U	10 U	**960**	10 U	**830**	**5**	**380**	**1 J**	10 U	**160**
Xylene, m,p-	5	10 U	10 U	**380**	10 U	**300**	**85**	**130**	10 U	10 U	**130**
Xylene, o-	5	10 U	10 U	**240 J**	10 U	**410**	**24**	**97**	10 U	10 U	**110**
Total BTEX	NE	ND	ND	**5500**	ND	**1616**	**130**	**616**	**1**	ND	**780**
Other VOCs (ug/L)											
Acetone	50*	10 UJ	10 U	**72 J**	10 UJ	10 UJ	**14 J**	10 UJ	10 UJ	10 UJ	**9 J**
Butanone, 2-	50*	10 UJ	10 U	**700 J**	10 UJ	10 UJ	**2 J**	10 UJ	10 UJ	**25 J**	10 UJ
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	7	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,2-	3	10 U	10 U	**2 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,3-	3	10 U	10 U	**1 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,4-	3	10 U	10 U	**1 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethane,1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
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
Dichloroethene,1,1-	5	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	**55**	R	**35**	**43**	**120**	10 U	10 U	**19**
Methyl tert-butyl ether	10*	10 U	10 U	10 U	**5 J**	10 U	**3 J**	10 U	**14**	10 U	**6**
Naphthalene	10*	10 U	10 U	**4600**	10 U	**1700**	**11000 J**	**200**	**7**	10 U	**9000 J**
Propylbenzene, n-	5	10 U	10 U	**18**	10 U	**18**	**47**	**38**	10 U	10 U	**35**
Styrene	5	10 U	10 U	10 U	10 U	10 U	**15**	10 UJ	10 U	10 U	10 U
Tetrachloroethene	5	10 U	10 U	10 U	10 UJ	10 U	**5**	10 U	10 U	10 U	**2 J**
Tetrahydrofuran	50*	10 U	10 U	**260**	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene 1,3,5-/P-ethyltoluene	5	10 U	10 U	**180**	10 U	**230**	**330**	**36**	10 U	10 U	**250**
Trimethylbenzene, 1,2,4-	5	10 U	10 U	**230 J**	10 U	**330**	**1100**	**340**	10 U	10 U	**890**
Trimethylpentane, 2,2,4-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Non-carcinogenic PAHs (ug/L)											
Acenaphthene	20*	10 U	10 U	**100 J**	10 U	**140**	**14**	**9 J**	10 U	10 U	**39**
Acenaphthylene	NE	10 U	10 U	**73 J**	10 U	**44**	**270 J**	10 U	**4 J**	10 U	**210 J**
Anthracene	50*	10 U	10 U	**4 J**	10 U	**10**	**7**	**2 J**	10 U	10 U	**7**
Fluoranthene	50*	10 U	10 U	10 U	10 U	**3 J**	**2 J**	**1 J**	10 U	10 U	**1 J**
Fluorene	50*	10 U	10 U	**26**	10 U	**44**	**36**	**6**	10 U	10 U	**35**
Methylnaphthalene,2-	NE	10 U	10 U	**500**	10 U	**240**	**750**	**14**	10 U	10 U	**490 J**
Naphthalene	10*	10 U	10 U	**2200**	10 U	**510**	**5100**	**60 J**	10 U	10 U	**4600**
Phenanthrene	50*	10 U	10 U	**53 J**	10 U	**48**	**31**	**8**	10 U	10 U	**33**
Pyrene	50*	10 U	10 U	**1 J**	10 U	**4 J**	**2 J**	**1 J**	10 U	10 U	**2 J**
Total Noncarcinogenic PAHs	NE	ND	ND	**2957**	ND	**1043**	**6212**	**101**	**4**	ND	**5417**
Carcinogenic PAHs (ug/L)											
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)											
Total PAHs	NE	ND	ND	**2957**	ND	**1043**	**6212**	**101**	**4**	ND	**5417**

Table 3-12
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: / Sample Interval (feet): / Sample Date:	NYS AWQS	OU2 OU2MW-21I2 35-45 5/23/2008	OU2 OU2MW-26D 60 - 70 5/22/2008	OU2 OU2MW-26I 13-23 5/22/2008	OU2 OU2MW-26I2 35-45 5/22/2008	OU2 OU2MW-26S 6-11 5/22/2008
BTEX (ug/L)						
Benzene	1	10 U	10 U	**8**	10 U	10 U
Toluene	5	10 U	**4 J**	**1 J**	10 U	10 U
Ethylbenzene	5	**1 J**	**2 J**	**16**	10 U	10 U
Xylene, m,p-	5	**35**	**32**	**5 J**	10 U	10 U
Xylene, o-	5	**10**	**38**	**10**	10 U	10 U
Total BTEX	NE	**46**	**76**	**40**	ND	ND
Other VOCs (ug/L)						
Acetone	50*	10 U	10 U	10 U	10 U	10 U
Butanone, 2-	50*	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U
Chloroform	7	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,2-	3	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,3-	3	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,4-	3	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	5	10 U	10 U	10 U	10 U	10 U
Dichloroethane,1,1-	5	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
Dichloroethene,1,1-	5	10 U	10 U	10 U	10 U	10 U
Isopropyl benzene	5	**10**	**10**	**19**	10 U	10 U
Methyl tert-butyl ether	10*	**12**	10 U	**2 J**	**6**	10 U
Naphthalene	10*	**7700 J**	**980 J**	**49**	**25**	**3 J**
Propylbenzene, n-	5	**24**	10 U	**3 J**	10 U	10 U
Styrene	5	**8**	**25**	10 U	10 U	10 U
Tetrachloroethene	5	**8**	10 U	10 U	10 U	10 U
Tetrahydrofuran	50*	10 U	10 U	10 U	10 U	10 U
Trichloroethene	5	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene 1,3,5-/P-ethyltoluene	5	**180**	**27**	10 U	**3 J**	10 U
Trimethylbenzene, 1,2,4-	5	**680 J**	**34**	**23**	**4 J**	10 U
Trimethylpentane, 2,2,4-	NE	10 U	10 U	10 U	10 U	10 U
Non-carcinogenic PAHs (ug/L)						
Acenaphthene	20*	**15**	**21**	**27**	**3 J**	10 U
Acenaphthylene	NE	**340**	**34**	**26**	**26**	10 U
Anthracene	50*	**7**	10 U	**5**	**3 J**	10 U
Fluoranthene	50*	**2 J**	10 U	10 U	10 U	10 U
Fluorene	50*	**39**	**11**	**6**	**2 J**	10 U
Methylnaphthalene,2-	NE	**780**	**25**	10 U	10 U	10 U
Naphthalene	10*	**2700 J**	**530**	**10**	**8**	10 U
Phenanthrene	50*	**37**	**2 J**	**28**	**11**	10 U
Pyrene	50*	**2 J**	10 U	10 U	**1 J**	10 U
Total Noncarcinogenic PAHs	NE	**3922**	**623**	**102**	**54**	ND
Carcinogenic PAHs (ug/L)						
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND
Total PAHs (ug/L)						
Total PAHs	NE	**3922**	**623**	**102**	**54**	ND

Table 3-12
Summary of Expanded Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

NOTES:
BTEX - benzene, toluene, ethlybenzene, and xylene (a subset of VOCs)
VOCs - volatile organic compounds
SVOCs - semivolatile organic compounds
PAHs - polycyclic aromatic hydrocarbons
ug/L - micrograms per liter or parts per billion (ppb)
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
NE - not established
ND - not detected; total concentration is listed as ND because no compounds were detected in the group
Bolding indicates the compound was detected
Shading indicates an exceedance of established NYS AWQS
U - indicates not detected at or above the reporting limit shown
J - estimated value
UJ - not detected at or above the reporting limit shown and the reporting limit is estimated

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

Monitoring Well	Jul-02	Aug-02	Sep-02	Oct-02	Dec-02	Jan-03	Feb-03	Mar-03	Apr-03	May-03	Jun-03	Aug-03	Sep-03	Jan-04	Feb-04	Mar-04	May-04	Jun-04	Jul-04	Aug-04	Sep-04	Nov-04
Conductivity (mS/cm)																						
IO-10	0.562	0.689	0.612	0.452	0.345	0.348	0.334	0.401	0.277	0.393	0.278	0.267	0.278	0.437	0.716	0.473	--	0.435	0.413	0.271	0.279	--
MW-34D	0.214	0.277	0.252	0.261	0.318	0.250	0.222	0.301	0.198	0.246	0.284	0.309	0.277	0.231	0.255	0.191	--	0.211	0.213	0.212	0.194	--
MW-34I	0.553	0.640	0.724	0.341	0.483	0.293	0.316	0.508	0.349	0.391	0.305	0.268	0.294	0.558	0.684	0.627	--	0.404	0.300	0.323	0.296	--
MW-34S	0.490	0.624	0.540	0.577	0.586	0.429	0.451	0.538	0.361	0.535	0.492	0.554	0.494	0.500	0.555	0.530	--	0.632	0.446	0.428	0.423	--
MW-46WR	--	--	--	--	0.476	0.372	0.391	0.455	0.616	0.991	0.821	--	0.609	0.721	1.140	1.330	--	1.220	0.709	0.629	0.432	--
MW-70/70S	0.388	0.578	0.556	0.477	0.422	0.310	0.339	0.606	1.250	0.328	0.356	0.443	0.355	0.394	0.481	0.340	--	0.645	0.644	0.630	0.435	--
MW-71/71S	0.520	0.666	0.575	0.524	0.558	0.336	0.325	0.414	0.476	0.535	0.428	0.587	0.641	0.477	0.510	0.463	0.452	0.580	0.519	0.475	0.556	0.408
Dissolved Oxygen (mg/L)																						
IO-10	12.0	0.8	10.0	5.5	16.0	8.0	0.0	2.5	25.0	22.0	19.0	11.0	12.0	7.0	5.0	4.0	--	0.0	0.0	2.0	0.0	--
MW-34D	1.0	1.0	1.6	0.9	1.6	0.4	2.0	0.0	1.2	1.0	1.0	0.8	0.4	0.4	0.0	0.0	--	0.0	0.0	0.0	0.0	--
MW-34I	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	--	0.0	0.0	0.0	0.0	--
MW-34S	0.4	0.0	1.0	0.2	0.0	0.0	2.0	0.0	1.8	0.0	0.8	0.8	0.2	0.0	0.0	0.0	--	0.0	0.0	0.0	0.0	--
MW-46WR	--	--	--	--	14.0	0.0	0.0	0.5	3.0	2.0	1.2	--	0.0	1.2	1.0	1.4	--	0.0	0.0	0.5	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	0.0	0.0	0.0	--
MW-71/71S	2.8	0.8	1.8	0.0	0.6	0.0	2.0	0.0	0.3	0.0	1.4	0.0	0.2	2.6	5.0	1.8	9.4	7.0	0.0	0.0	0.0	0.0
Oxidation Reduction Potential (mV)																						
IO-10	11	-125	3	-73.5	1	117	-159	-104	-23	-4	3	11	-12	-16	27	21	--	-97	-101	-7	-72	--
MW-34D	55	85	58	28.5	25	-16	45	118	85	22	62	77	114	132	-95	-20	--	16	5	63	107	--
MW-34I	-147	-178	-142	-156	-100	-303	-222	-139	-164	-109	-137	-136	-117	-132	-150	-129	--	-150	-130	-144	-117	--
MW-34S	-150	-171	-24	-118.5	-67	35	85	-75	-71	-61	-115	-106	-42	-95	-140	-112	--	-165	-109	-124	-123	--
MW-46WR	--	--	--	--	-23	-10	-172	-83	-50	-35	-79	--	-80	-71	-105	-69	--	-181	-119	-110	-110	--
MW-70/70S	94	8	2	-8	62	169	-37	-50	46	42	10	19	34	43	12	6	--	-154	-117	-118	-148	--
MW-71/71S	-89	-95	-75	-84	-89	-42	-59	-88	-125	-85	-101	-81	-49	-56	-68	-68	-26	-48	-112	-97	-151	-51
pH (st. units)																						
IO-10	6.17	6.52	6.04	6.46	6.38	6.31	6.43	6.52	7.39	6.29	6.41	6.33	6.45	6.20	6.56	6.49	--	6.20	6.02	6.17	6.41	--
MW-34D	6.17	5.90	6.06	6.07	6.31	6.20	6.39	6.14	6.38	6.01	5.80	6.14	6.29	6.10	6.74	6.72	--	5.70	5.78	6.03	5.69	--
MW-34I	6.30	6.07	6.17	6.62	7.09	6.99	6.31	6.32	6.44	6.57	6.47	6.71	6.80	6.39	6.89	6.86	--	6.50	6.27	6.46	6.48	--
MW-34S	6.03	5.96	6.04	6.12	6.97	6.29	6.23	6.59	8.43	6.29	5.99	6.06	6.03	5.91	6.49	6.66	--	6.44	5.77	5.97	5.62	--
MW-46WR	--	--	--	--	6.47	6.23	6.17	6.30	6.11	5.99	5.80	--	6.02	5.99	6.43	6.50	--	6.08	5.87	6.20	6.09	--
MW-70/70S	5.92	5.91	5.99	5.93	5.72	5.96	6.11	6.44	6.02	5.96	5.71	5.92	6.00	5.88	6.38	6.63	--	6.31	5.82	6.11	5.96	--
MW-71/71S	5.94	6.27	5.92	6.12	7.09	6.13	6.26	6.35	6.17	6.16	5.88	5.99	6.03	5.91	6.44	6.75	6.07	6.16	5.74	5.85	6.07	6.26
Temperature (deg C)																						
IO-10	17.3	18.9	19.8	18.7	15.5	14.1	9.5	10.9	11.4	13.6	15.9	18.0	17.5	10.7	9.8	10.1	--	18.4	19.0	17.7	19.5	--
MW-34D	15.7	15.9	16.3	16.7	14.8	14.9	11.0	13.0	12.8	13.0	14.3	15.2	14.7	13.0	13.4	12.2	--	15.9	16.0	15.8	16.4	--
MW-34I	16.4	16.1	17.5	18.3	16.3	14.4	11.9	11.7	10.7	12.7	14.2	16.2	16.6	12.6	11.9	11.0	--	15.4	16.5	16.9	17.9	--
MW-34S	21.2	21.5	22.0	19.5	12.4	8.9	5.0	5.9	8.3	13.1	16.6	21.5	18.8	7.6	6.8	7.7	--	18.7	20.6	20.0	21.2	--
MW-46WR	--	--	--	--	13.0	10.6	7.3	8.3	10.8	15.8	18.8	--	19.7	7.2	6.5	8.6	--	21.9	24.0	22.8	22.7	--
MW-70/70S	19.0	20.4	21.7	19.2	13.8	11.1	7.1	7.4	8.6	13.2	15.6	20.2	18.2	8.9	7.8	8.1	--	19.4	20.3	20.9	20.7	--
MW-71/71S	17.9	20.6	21.4	19.3	13.0	10.2	4.1	6.5	8.0	12.4	15.9	20.4	18.3	7.8	7.1	7.8	10.4	18.7	19.9	19.8	20.6	15.7

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

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

Monitoring Well	Jan-05	Feb-05	Mar-05	Apr-05	May-05	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Jan-06	Feb-06	Mar-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06
Conductivity (mS/cm)																						
IO-10	0.390	0.461	0.507	0.369	0.397	0.502	0.338	0.374	0.533	0.528	0.870	0.836	0.444	0.403	0.326	0.390	0.328	0.477	0.469	0.447	0.478	0.674
MW-34D	0.195	0.203	0.210	0.173	0.262	0.336	0.271	0.236	0.211	0.306	0.486	0.320	0.274	0.279	0.261	--	0.171	0.265	0.250	0.247	0.247	0.427
MW-34I	0.336	0.351	0.489	0.376	0.425	0.451	0.341	0.416	0.442	0.556	0.882	0.517	0.479	0.441	0.277	--	0.249	0.448	0.427	0.459	0.457	0.814
MW-34S	0.370	0.403	0.430	0.419	0.751	0.730	0.418	0.394	0.593	0.691	0.919	0.668	1.190	0.731	0.400	0.469	0.454	0.651	0.472	0.549	0.564	0.653
MW-46WR	0.535	1.000	1.565	2.370	2.230	1.420	1.350	0.549	0.940	0.551	1.100	1.000	0.830	0.604	1.200	0.950	1.180	0.638	0.583	0.441	0.629	0.726
MW-70/70S	0.311	0.296	0.516	0.449	0.574	0.600	0.392	0.355	0.415	0.469	0.718	0.501	0.654	0.541	0.353	0.387	0.327	0.504	0.373	0.433	0.493	0.674
MW-71/71S	0.308	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Oxygen (mg/L)																						
IO-10	0.0	0.1	0.0	0.0	0.0	0.0	16.0	0.0	12.0	38.0	0.0	20.0	5.0	8.0	42.0	20.0	33.0	32.0	28.0	34.0	0.0	35.0
MW-34D	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	--	0.0	0.0	0.0	0.6	0.0	0.6
MW-34I	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	--	0.0	0.0	0.0	0.0	0.0	0.0
MW-34S	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-46WR	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	1.2	2.0	5.0	0.0	4.0
MW-70/70S	27.0	27.0	14.0	7.0	0.0	0.4	3.0	0.0	0.0	0.0	5.9	0.0	0.0	0.0	25.0	20.0	35.0	25.0	33.0	34.0	22.0	25.0
MW-71/71S	15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Oxidation Reduction Potential (mV)																						
IO-10	-110	-96	-118	-117	-84	-92.5	11	-123	24	42	-53	16.3	44	5	51	42	42	129	30	40	-12	74
MW-34D	125	130	82	90	115	178	24	-15	191	-121	137	140	159	180	175	--	202	135	162	171	210	173
MW-34I	-87	-93	-106	-113	-141	-106	-156	-167	-137	-188	-130	-101	-109	-92	-109	--	-177	-81	-120	-121	-37	-93
MW-34S	-61	3	-33	-54	-183	-44	-141	-135	-88	-180	-39	-57	-127	-107	-150	-162	-177	-125	-121	-144	-77	-173
MW-46WR	-83	-67	-82.5	-103	-203	-94	-189	-148	-119	-291	-157	-108	-143	-100	-74	-219	-136	-93	-130	-115	-84	-82
MW-70/70S	68	105	73.5	40	-66	-62	-130	-132	-119	-279	-16	-45	-88	-90	14	-12	42	89	-7	-19	13	15
MW-71/71S	23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH (st. units)																						
IO-10	6.73	6.49	6.36	6.46	6.30	6.34	6.34	6.37	6.39	6.20	6.14	6.14	6.60	6.49	6.29	6.13	5.69	7.26	6.00	6.44	6.16	6.79
MW-34D	6.32	5.99	5.95	6.24	6.03	6.03	6.07	6.15	6.07	5.74	5.98	5.99	6.40	6.07	5.93	--	5.48	5.84	5.98	6.36	6.09	6.26
MW-34I	6.71	6.46	6.39	6.37	6.35	6.42	6.56	6.40	6.74	6.02	6.24	6.28	6.74	6.46	6.34	--	6.15	6.53	6.21	6.37	6.12	6.40
MW-34S	6.21	6.04	6.06	6.19	5.96	5.84	5.88	5.84	6.05	5.85	6.12	6.03	6.39	6.09	6.00	6.07	5.94	6.37	6.04	6.19	6.16	6.48
MW-46WR	6.26	6.06	6.15	6.32	6.12	6.03	6.01	6.07	6.36	5.77	5.94	6.07	6.36	6.06	5.95	6.11	5.79	7.53	5.96	6.29	6.25	6.18
MW-70/70S	5.95	5.80	5.73	6.21	5.85	5.95	6.17	6.09	6.21	5.68	5.83	5.95	6.19	6.02	5.99	6.18	5.68	7.40	5.92	6.12	6.00	6.18
MW-71/71S	6.15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Temperature (deg C)																						
IO-10	11.3	11.0	10.2	11.8	13.1	15.3	17.0	18.1	19.6	17.4	16.6	16.3	12.9	10.9	11.8	13.3	16.5	18.4	18.1	18.7	17.7	16.4
MW-34D	11.8	12.8	12.4	12.9	12.5	14.6	14.8	15.9	16.5	15.4	15.4	15.0	13.8	13.2	13.1	--	15.0	16.0	15.0	15.7	15.3	15.5
MW-34I	11.6	11.6	10.7	11.7	11.5	14.4	14.6	16.1	18.1	16.9	16.7	15.3	13.4	12.1	11.7	--	15.1	16.9	16.4	17.5	16.8	16.5
MW-34S	8.0	6.6	6.8	11.4	12.8	16.8	18.7	21.2	22.1	17.6	15.8	10.4	9.2	8.6	9.5	13.5	18.1	21.1	21.3	21.0	18.3	15.0
MW-46WR	8.6	7.4	7.6	13.7	16.0	20.1	22.6	23.5	24.0	18.9	15.1	11.8	9.8	9.1	10.5	18.4	22.0	24.2	24.3	22.4	19.0	15.7
MW-70/70S	7.8	8.1	7.6	10.4	12.3	17.0	18.5	20.5	21.1	18.4	15.0	11.4	9.5	8.6	9.4	14.1	17.6	20.4	20.2	19.9	17.7	15.6
MW-71/71S	8.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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

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

Monitoring Well	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08
Conductivity (mS/cm)																			
IO-10	0.611	0.578	0.604	0.588	0.390	0.252	0.285	0.335	0.389	0.436	0.330	0.514	0.389	0.515	0.473	0.434	0.412	0.393	0.291
MW-34D	0.336	0.358	0.331	0.365	0.288	0.237	0.251	0.216	0.269	0.295	0.222	0.337	0.259	0.276	0.284	0.292	0.293	0.305	0.277
MW-34I	0.545	0.580	0.461	0.579	0.364	0.301	0.275	0.248	0.317	0.401	0.343	0.445	0.344	0.360	0.393	0.422	0.391	0.332	0.265
MW-34S	0.542	0.614	0.460	0.520	0.381	0.373	0.512	0.484	0.608	0.673	0.367	0.495	0.409	0.588	0.387	0.398	0.387	0.484	0.374
MW-46WR	5.810	0.592	0.635	0.695	0.443	0.345	0.474	0.511	0.562	0.561	0.301	0.574	0.484	0.420	0.351	0.324	0.335	0.367	0.337
MW-70/70S	0.597	0.570	0.543	0.445	0.424	0.327	0.358	0.395	0.422	0.456	0.320	0.439	0.371	0.392	0.369	0.354	0.366	0.373	0.337
MW-71/71S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved Oxygen (mg/L)																			
IO-10	30.0	34.0	36.0	34.0	35.0	36.0	3.0	26.0	28.0	31.0	29.0	25.0	31.0	36.0	33.0	32.0	33.0	31.0	33.0
MW-34D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.6	0.4	0.4	0.0	0.8	1.0	0.0
MW-34I	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.0	0.0
MW-34S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0
MW-46WR	6.0	12.0	10.0	9.0	13.0	8.0	0.0	1.2	5.0	8.0	8.0	21.0	18.0	24.0	24.0	24.0	17.0	20.0	17.0
MW-70/70S	40.0	40.0	33.0	33.0	41.0	42.0	44.0	12.0	28.0	39.0	31.0	33.0	34.0	31.0	29.0	34.0	35.0	24.0	34.0
MW-71/71S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Oxidation Reduction Potential (mV)																			
IO-10	64	73	95	-88	-5	22	-35	89	75	80	169	434	95	32	18	126	213	125	140
MW-34D	94	-42	-301	-278	-172	38	47	82	94	70	93	218	131	-4	1	220	233	209	-25
MW-34I	-126	-79	-336	-267	-334	-130	-130	-50	-126	-108	-65	-15	-171	-71	-41	-31	-3	-66	-142
MW-34S	-207	-97	-165	-219	-361	-289	-297	-247	-234	-198	-101	-10	-177	-85	-71	-86	-91	-157	-198
MW-46WR	-76	6	-23	-136	-102	-94	-207	-136	-98	-79	43	71	-71	5	5	17	27	-6	-55
MW-70/70S	69	55	40	-110	-14	14	-34	18	29	-42	-18	385	-32	2	-10	28	11	-32	-20
MW-71/71S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH (st. units)																			
IO-10	6.51	6.10	6.26	6.22	5.97	6.09	5.43	5.75	5.83	6.12	5.96	5.59	6.30	6.69	6.37	6.32	6.69	6.16	6.51
MW-34D	5.90	5.74	5.84	5.67	5.95	5.96	5.97	5.98	5.90	5.86	5.98	5.21	5.98	6.02	5.83	5.76	6.23	5.82	5.90
MW-34I	6.03	5.94	6.12	5.87	6.03	6.02	6.18	6.16	6.06	5.87	6.81	5.41	8.19	5.99	6.10	6.11	6.60	7.67	6.16
MW-34S	6.26	6.01	6.01	6.04	6.21	6.16	6.04	5.92	5.94	5.88	6.90	5.45	8.15	5.96	5.91	5.85	6.60	8.15	5.96
MW-46WR	5.81	5.57	5.72	5.79	5.82	5.93	5.97	6.09	5.85	5.72	6.34	5.27	7.26	5.29	5.79	5.68	6.48	6.58	5.90
MW-70/70S	5.71	5.68	5.92	6.22	5.99	6.20	6.05	6.06	5.89	5.95	6.62	5.43	7.18	6.10	6.03	5.97	6.59	7.03	6.28
MW-71/71S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Temperature (deg C)																			
IO-10	15.2	13.6	11.6	10.4	12.9	13.3	16.3	17.5	18.9	18.3	16.9	17.1	13.7	11.1	10.7	10.8	12.4	15.5	17.0
MW-34D	14.9	14.1	12.7	12.9	13.3	12.7	14.2	14.7	15.8	16.1	15.7	15.6	13.8	12.6	12.7	13.4	12.9	13.6	15.1
MW-34I	15.4	13.6	11.5	11.8	12.2	11.5	14.8	14.8	16.6	17.5	17.2	16.2	14.1	12.0	10.9	12.1	12.1	12.8	15.3
MW-34S	13.2	10.5	6.5	6.5	10.2	13.0	17.2	19.2	20.2	20.7	19.0	14.6	10.9	8.7	6.8	7.9	11.6	14.0	17.9
MW-46WR	13.3	11.9	7.9	8.1	13.9	16.0	20.4	22.9	23.8	23.0	15.3	15.2	10.5	8.4	8.1	10.1	13.6	16.7	21.8
MW-70/70S	13.5	11.5	8.3	6.8	9.7	11.9	16.4	19.2	20.0	19.8	17.9	16.0	11.7	8.5	8.0	8.1	11.1	14.1	16.8
MW-71/71S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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

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

Monitoring Well	Apr-04	May-04	Aug-04	Sep-04	Nov-04	Dec-04	Feb-05	Mar-05	May-05	Jun-05	Aug-05	Nov-05	Dec-05	Feb-06	Mar-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06
Conductivity (mS/cm)																							
MW-64	--	0.330	0.268	--	--	0.379	--	0.269	--	0.409	0.370	--	0.590	0.401	--	--	0.273	--	0.266	--	--	0.393	--
MW-65	--	--	0.279	--	--	--	0.268	--	--	0.310	0.326	--	0.492	0.520	0.452	0.319	0.218	0.372	0.321	0.326	0.258	0.355	0.265
MW-73	0.351	--	0.405	--	0.500	--	0.609	--	0.732	--	0.526	0.851	--	0.827	--	0.469	--	--	0.414	--	--	0.515	--
MW-75	--	--	0.289	--	--	--	--	1.100	--	0.314	0.237	--	0.183	--	2.790	0.240	0.116	0.231	0.154	0.132	0.124	0.455	0.134
MW-76	--	0.408	0.448	--	0.287	--	0.229	--	--	0.279	0.313	--	0.376	0.355	--	0.208	--	--	0.388	--	--	0.364	0.376
MW-78	--	0.408	0.298	--	0.615	--	0.480	--	--	0.739	0.469	0.928	--	0.717	--	0.431	--	--	0.371	--	--	0.301	--
MW-79	--	0.253	0.361	--	0.207	--	0.347	--	--	0.630	0.607	1.080	--	0.592	--	0.406	--	--	0.639	--	--	0.500	--
MW-80	--	0.396	0.414	--	--	--	--	0.385	--	0.429	0.318	0.899	--	0.368	--	0.394	--	--	0.463	--	--	0.505	--
MW-81	--	0.386	0.423	--	0.245	--	--	0.425	--	0.654	0.491	--	0.941	0.680	--	--	0.345	--	0.380	--	--	0.446	--
MW-82	--	0.325	0.287	--	0.375	--	--	0.492	--	0.528	0.492	--	0.598	--	0.580	--	0.255	--	0.315	--	--	0.370	--
MW-83	--	0.460	0.522	--	0.297	--	0.343	--	--	0.319	0.239	--	0.476	0.518	--	0.327	--	--	0.332	--	--	0.486	--
PDMW-01	--	--	0.544	--	--	--	--	0.177	--	0.268	0.265	0.360	--	--	0.235	0.242	0.225	0.352	0.268	0.820	0.321	0.456	0.369
SV-02	--	0.502	0.107	0.107	--	0.114	--	0.363	--	0.491	0.520	--	0.606	--	0.669	--	0.366	--	0.165	--	--	--	0.590
SV-03	--	0.418	0.248	--	--	0.328	0.218	--	--	0.318	0.208	--	0.574	0.346	--	0.348	--	--	0.491	0.500	--	--	--
Dissolved Oxygen (mg/L)																							
MW-64	--	0.0	0.0	--	--	0.0	--	0.3	--	0.0	2.2	--	0.0	0.0	--	--	0.0	--	0.0	--	--	0.0	--
MW-65	--	--	0.0	--	--	--	0.7	--	--	5.9	19.2	--	1.7	20.0	28.0	10.0	13.6	17.0	23.0	30.0	27.0	21.0	32.0
MW-73	0.0	--	0.0	--	0.0	--	0.4	--	0.0	--	0.0	0.0	--	0.0	--	0.0	--	--	0.0	--	--	0.0	--
MW-75	--	--	0.0	--	--	--	--	0.8	--	0.0	0.7	--	0.0	--	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
MW-76	--	0.0	0.0	--	0.0	--	0.8	--	--	0.0	0.0	--	0.0	0.0	--	0.0	--	--	0.0	--	--	0.0	0.0
MW-78	--	0.0	0.0	--	0.0	--	0.3	--	--	0.0	0.0	0.0	--	0.0	--	0.0	--	--	0.0	--	--	0.0	--
MW-79	--	0.0	0.0	--	0.0	--	0.3	--	--	0.0	0.0	0.0	--	0.0	--	0.0	--	--	0.0	--	--	0.5	--
MW-80	--	0.0	0.0	--	--	--	--	0.4	--	0.0	0.0	0.0	--	0.0	--	0.0	--	--	0.0	--	--	0.0	--
MW-81	--	0.0	0.0	--	0.0	--	--	0.3	--	0.0	1.0	--	2.9	0.0	--	--	4.5	--	1.1	--	--	1.0	--
MW-82	--	0.0	0.0	--	0.0	--	--	0.3	--	0.0	2.9	--	0.0	--	0.0	--	3.8	--	0.0	--	--	11.9	--
MW-83	--	0.0	0.0	--	0.0	--	0.3	--	--	0.0	5.9	--	0.0	14.1	--	16.0	--	--	8.9	--	--	9.2	--
PDMW-01	--	--	0.0	--	--	--	--	20.0	--	20.0	11.9	20.0	--	--	23.0	20.0	26.0	25.0	20.5	24.0	27.0	20.0	22.0
SV-02	--	1.3	2.4	0.0	--	5.1	--	6.3	--	0.8	2.2	--	0.0	--	0.0	--	3.2	--	1.6	--	--	--	2.5
SV-03	--	0.0	0.0	--	--	0.0	0.5	--	--	0.0	0.0	--	0.0	0.0	--	0.0	--	--	1.3	0.0	--	--	--
Oxidation Reduction Potential (mV)																							
MW-64	--	-43	-43	--	--	-113	--	-73	--	-54	-3	--	-4	10	--	--	3	--	38	--	--	43	--
MW-65	--	--	-34	--	--	--	5	--	--	-65	-4	--	19	70	133	77	129	194	34	41	71	145	146
MW-73	-72	--	-126	--	-27	--	-23	--	-176	--	-156	-115	--	-154	--	-148	--	--	-272	--	--	-167	--
MW-75	--	--	-37	--	--	--	--	38	--	-132	-152	--	-75	--	-22.5	-118	-85	-50	-60	-185	-10	-53	-103
MW-76	--	-37	-36	--	-7	--	10	--	--	-137	-97	--	-115	-59	--	-103	--	--	-110	--	--	-62	-115
MW-78	--	-150	-129	--	-121	--	-106	--	--	-160	-226	-118	--	-158	--	-158	--	--	-242	--	--	-120	--
MW-79	--	-101	-99	--	-56	--	-72	--	--	-175	-174	-84	--	-167	--	-103	--	--	-135	--	--	-121	--
MW-80	--	-103	-98	--	--	--	--	-130	--	-154	-186	-205	--	-268	--	-303	--	--	-215	--	--	-194	--
MW-81	--	-130	-129	--	-93	--	--	-96	--	-181	-142	--	-37	-156	--	--	-155	--	-161	--	--	-163	--
MW-82	--	-95	-109	--	-51	--	--	-85	--	-175	-190	--	-113	--	-102	--	-129	--	-225	--	--	-73	--
MW-83	--	-100	-6	--	-23	--	-159	--	--	-113	-80	--	-95	102	--	37	--	--	-1	--	--	53	--
PDMW-01	--	--	-39	--	--	--	--	177	--	192	192	181	--	--	188.5	166	180	290	116.5	154	185	151	202
SV-02	--	150	98	98	--	173	--	185	--	122	84	--	-47	--	69	--	125	--	-60	--	--	--	63
SV-03	--	-82	-55	--	--	-13	-3	--	--	-173	-138	--	-167	-112	--	-110	--	--	-146	-132	--	--	--

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

Monitoring Well	Apr-04	May-04	Aug-04	Sep-04	Nov-04	Dec-04	Feb-05	Mar-05	May-05	Jun-05	Aug-05	Nov-05	Dec-05	Feb-06	Mar-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06
pH (st. units)																							
MW-64	--	6.42	6.02	--	--	6.62	--	6.17	--	6.17	6.10	--	5.97	6.02	--	--	6.06	--	6.08	--	--	6.46	--
MW-65	--	--	5.79	--	--	--	6.04	--	--	5.75	5.75	--	5.68	5.62	5.57	5.77	5.42	5.31	5.67	5.86	5.80	6.07	5.57
MW-73	5.96	--	5.88	--	5.99	--	5.70	--	6.00	--	6.14	5.80	--	6.17	--	5.96	--	--	6.16	--	--	6.48	--
MW-75	--	--	5.77	--	--	--	--	5.65	--	5.55	5.66	--	5.84	--	5.62	6.03	5.70	5.95	5.72	6.06	5.74	6.23	5.37
MW-76	--	6.09	6.32	--	6.34	--	6.29	--	--	5.95	6.15	--	6.21	6.22	--	6.21	--	--	6.20	--	--	6.69	6.21
MW-78	--	6.23	6.26	--	6.68	--	6.39	--	--	6.31	6.42	6.17	--	6.15	--	6.20	--	--	6.46	--	--	7.11	--
MW-79	--	6.16	5.97	--	6.15	--	6.25	--	--	6.15	6.04	5.89	--	5.98	--	5.79	--	--	5.59	--	--	6.35	--
MW-80	--	5.86	5.58	--	--	--	--	5.85	--	5.74	5.96	5.68	--	6.06	--	6.21	--	--	6.27	--	--	6.46	--
MW-81	--	6.23	5.96	--	6.24	--	--	5.98	--	6.16	6.22	--	5.89	5.96	--	--	6.01	--	6.04	--	--	6.38	--
MW-82	--	6.27	6.08	--	6.34	--	--	6.10	--	6.07	6.12	--	5.66	--	5.83	--	5.78	--	5.96	--	--	6.38	--
MW-83	--	6.41	6.29	--	6.56	--	6.66	--	--	5.97	6.08	--	6.24	6.05	--	6.28	--	--	5.92	--	--	6.58	--
PDMW-01	--	--	5.94	--	--	--	--	5.86	--	5.86	5.96	6.09	--	--	6.12	6.15	5.68	7.38	6.18	6.29	6.15	6.66	6.11
SV-02	--	6.10	6.27	6.27	--	5.86	--	5.47	--	5.77	5.54	--	5.95	--	6.12	--	6.19	--	5.96	--	--	--	6.02
SV-03	--	6.09	6.02	--	--	5.94	6.16	--	--	5.97	5.98	--	6.01	6.18	--	6.14	--	--	5.90	6.40	--	--	--
Temperature (deg c)																							
MW-64	--	13.3	15.0	--	--	13.8	--	13.6	--	14.1	14.4	--	14.1	14.3	--	--	14.6	--	14.1	--	--	14.9	--
MW-65	--	--	19.3	--	--	--	10.5	--	--	14.1	19.3	--	13.6	11.8	13.4	15.1	17.9	20.6	17.6	17.6	14.9	14.9	14.8
MW-73	10.2	--	18.2	--	14.5	--	7.8	--	12.7	--	17.8	14.8	--	9.1	--	13.3	--	--	17.9	--	--	14.9	--
MW-75	--	--	21.2	--	--	--	--	5.7	--	15.4	20.6	--	11.4	--	8.5	14.7	19.4	21.7	21.1	19.2	15.7	13.1	12.2
MW-76	--	12.8	21.6	--	13.9	--	5.9	--	--	15.7	22.9	--	11.8	7.6	--	15.4	--	--	20.6	--	--	14.9	11.8
MW-78	--	12.6	15.2	--	13.2	--	10.0	--	--	12.7	15.4	14.3	--	12.0	--	13.8	--	--	16.2	--	--	14.1	--
MW-79	--	12.4	14.3	--	13.4	--	11.6	--	--	12.7	15.5	13.4	--	11.4	--	13.5	--	--	15.0	--	--	15.0	--
MW-80	--	12.2	16.2	--	--	--	--	10.7	--	13.6	15.3	14.4	--	12.3	--	13.9	--	--	15.2	--	--	15.6	--
MW-81	--	12.4	15.5	--	14.3	--	--	11.0	--	12.8	16.2	--	14.3	11.8	--	--	13.7	--	15.1	--	--	15.6	--
MW-82	--	13.1	17.7	--	14.4	--	--	11.4	--	13.2	18.0	--	12.5	--	11.0	--	14.1	--	16.0	--	--	15.3	--
MW-83	--	14.2	20.3	--	14.2	--	10.6	--	--	14.2	19.4	--	12.9	11.8	--	14.7	--	--	17.7	--	--	16.1	--
PDMW-01	--	--	17.5	--	--	--	--	10.5	--	11.9	18.0	17.7	--	--	11.5	13.2	16.3	18.0	17.9	19.1	18.1	17.1	15.6
SV-02	--	14.3	17.0	22.9	--	9.1	--	3.8	--	19.7	22.1	--	10.6	--	5.4	--	21.5	--	22.5	--	--	--	13.1
SV-03	--	12.3	20.2	--	--	9.8	6.8	--	--	15.5	20.8	--	12.5	8.4	--	15.3	--	--	19.8	14.6	--	--	--

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

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

Monitoring Well	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08
Conductivity (mS/cm)																		
MW-64	--	--	0.368	--	--	--	--	0.292	--	--	0.226	--	11.200	--	--	--	--	0.250
MW-65	0.322	0.433	0.328	0.293	0.207	0.187	0.207	0.207	0.304	0.211	0.314	0.216	0.270	0.283	0.281	0.263	0.295	0.400
MW-73	0.507	--	--	--	--	--	--	0.936	--	--	0.227	--	1.310	--	--	--	0.337	--
MW-75	0.110	0.878	0.316	0.211	0.180	0.200	--	0.188	0.190	0.143	0.335	0.269	0.294	0.269	0.211	--	0.164	0.200
MW-76	--	--	--	0.594	--	--	--	--	0.546	--	0.405	--	0.383	--	--	--	--	0.489
MW-78	--	0.439	--	--	--	--	--	0.274	--	--	0.278	--	--	0.231	--	--	0.294	--
MW-79	--	0.635	--	--	--	--	--	0.353	--	--	0.335	--	--	0.237	--	--	0.300	--
MW-80	--	0.390	--	--	--	--	--	0.344	--	--	0.246	--	--	0.287	--	--	--	0.478
MW-81	--	--	0.373	--	--	--	--	--	--	--	0.196	--	--	0.152	--	--	--	0.359
MW-82	--	--	--	--	--	--	--	--	0.261	0.221	0.200	0.247	0.271	0.282	0.300	0.298	0.258	0.279
MW-83	--	--	2.340	--	--	--	--	--	0.269	--	0.214	--	0.751	--	--	--	0.381	--
PDMW-01	0.397	0.425	0.382	0.269	0.221	0.304	0.307	0.306	0.367	0.273	0.381	0.276	0.283	0.330	0.286	0.240	0.262	0.316
SV-02	--	--	--	0.512	--	0.255	--	--	--	0.158	--	0.301	--	0.189	--	--	--	0.295
SV-03	--	--	--	0.785	--	--	0.282	--	0.466	--	--	0.371	--	0.542	--	--	--	0.373
Dissolved Oxygen (mg/L)																		
MW-64	--	--	0.0	--	--	--	--	0.0	--	--	0.0	--	1.6	--	--	--	--	0.8
MW-65	23.0	16.0	20.0	15.0	15.0	31.0	27.0	33.0	19.0	31.0	31.0	26.0	26.0	18.0	21.0	21.0	13.0	14.0
MW-73	0.0	--	--	--	--	--	--	0.0	--	--	0.0	--	2.0	--	--	--	1.4	--
MW-75	0.0	1.6	0.6	0.0	0.0	0.0	--	0.0	0.0	0.0	0.6	4.0	0.6	0.6	0.0	--	0.0	0.6
MW-76	--	--	--	0.0	--	--	--	--	0.0	--	0.0	--	0.0	--	--	--	--	0.5
MW-78	--	0.0	--	--	--	--	--	0.0	--	--	0.0	--	--	0.0	--	--	6.0	--
MW-79	--	0.0	--	--	--	--	--	13.5	--	--	4.3	--	--	0.0	--	--	23.0	--
MW-80	--	0.0	--	--	--	--	--	0.0	--	--	0.0	--	--	1.2	--	--	--	0.6
MW-81	--	--	0.0	--	--	--	--	--	--	--	0.0	--	--	0.9	--	--	--	8.5
MW-82	--	--	--	--	--	--	--	--	31.0	22.0	0.0	4.0	10.0	5.0	16.0	27.0	15.0	33.0
MW-83	--	--	11.8	--	--	--	--	--	4.0	--	11.2	--	3.0	--	--	--	4.9	--
PDMW-01	19.0	32.0	28.0	24.0	31.0	30.0	26.0	25.0	9.0	13.0	24.0	21.0	27.0	20.0	20.0	31.0	20.0	34.0
SV-02	--	--	--	4.0	--	1.3	--	--	--	0.1	--	3.8	--	0.9	--	--	--	0.9
SV-03	--	--	--	0.0	--	--	0.0	--	0.0	--	--	0.4	--	0.0	--	--	--	0.5
Oxidation Reduction Potential (mV)																		
MW-64	--	--	148	--	--	--	--	111	--	--	132	--	79	--	--	--	--	87
MW-65	205	-31	-118	-40	13	95	82	105	22	96	298	43	6	14	135	188	148	151
MW-73	-194	--	--	--	--	--	--	-169	--	--	-115	--	-98	--	--	--	-205	--
MW-75	-22	-219	-233	-321	-182	-224	--	-217	-134	-24	118	-19	-25	-18	-24	--	-158	-190
MW-76	--	--	--	-175	--	--	--	--	-199	--	-74	--	-35	--	--	--	--	-163
MW-78	--	-289	--	--	--	--	--	-232	--	--	-117	--	--	-43	--	--	60	--
MW-79	--	-196	--	--	--	--	--	-96	--	--	-42	--	--	-118	--	--	54	--
MW-80	--	-233	--	--	--	--	--	-229	--	--	-247	--	--	-172	--	--	--	-258
MW-81	--	--	-193	--	--	--	--	--	--	--	-47	--	--	-168	--	--	--	-69
MW-82	--	--	--	--	--	--	--	--	-83	110	-33	-136	-43	-65	70	109	16	-24
MW-83	--	--	-88	--	--	--	--	--	62	--	70	--	1	--	--	--	138	--
PDMW-01	302	3	-75	87	96	49	139	184	99	133	474	134	41	26	125	173	122	139
SV-02	--	--	--	-33	--	66	--	--	--	99	--	343	--	29	--	--	--	93
SV-03	--	--	--	-184	--	--	-77	--	-201	--	--	132	--	-80	--	--	--	-183

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

Monitoring Well	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08
pH (st. units)																		
MW-64	--	--	5.74	--	--	--	--	5.95	--	--	5.89	--	6.48	--	--	--	--	5.89
MW-65	5.46	5.54	5.57	5.71	5.86	5.78	5.50	5.77	5.69	5.62	5.09	6.65	5.73	5.67	5.57	5.98	5.79	5.60
MW-73	5.90	--	--	--	--	--	--	5.69	--	--	7.10	--	7.35	--	--	--	8.03	--
MW-75	5.63	5.30	5.58	5.82	5.90	5.60	--	5.64	5.43	6.33	4.83	6.93	4.87	5.57	5.65	--	5.93	7.55
MW-76	--	--	--	6.09	--	--	--	--	6.24	--	6.70	--	6.10	--	--	--	--	7.10
MW-78	--	6.20	--	--	--	--	--	6.49	--	--	7.70	--	--	6.30	--	--	6.38	--
MW-79	--	5.92	--	--	--	--	--	6.00	--	--	6.56	--	--	5.81	--	--	6.22	--
MW-80	--	6.07	--	--	--	--	--	6.00	--	--	7.20	--	--	5.86	--	--	--	7.49
MW-81	--	--	5.88	--	--	--	--	--	--	--	6.33	--	--	5.92	--	--	--	6.96
MW-82	--	--	--	--	--	--	--	--	5.91	6.16	4.80	7.85	5.78	6.05	5.81	6.25	6.06	7.11
MW-83	--	--	6.20	--	--	--	--	--	5.82	--	5.78	--	5.96	--	--	--	6.09	--
PDMW-01	6.14	6.26	6.22	6.25	6.40	6.31	6.31	6.22	5.96	5.85	5.23	5.92	6.18	6.16	6.09	6.41	6.23	6.32
SV-02	--	--	--	6.09	--	6.02	--	--	--	5.58	--	5.03	--	5.75	--	--	--	6.10
SV-03	--	--	--	5.67	--	--	6.04	--	6.06	--	--	5.35	--	5.83	--	--	--	6.73
Temperature (deg c)																		
MW-64	--	--	13.6	--	--	--	--	14.2	--	--	13.8	--	13.1	--	--	--	--	14.5
MW-65	12.4	10.7	10.7	13.1	11.8	18.4	18.9	18.4	17.7	17.7	14.7	12.6	10.1	10.9	11.5	13.4	14.4	16.5
MW-73	9.4	--	--	--	--	--	--	18.0	--	--	16.5	--	8.9	--	--	--	11.3	--
MW-75	9.1	5.5	7.1	12.2	13.9	17.6	--	20.4	19.1	18.4	12.4	8.9	7.6	6.8	8.7	--	14.6	18.3
MW-76	--	--	--	8.8	--	--	--	--	19.7	--	13.2	--	6.5	--	--	--	--	17.4
MW-78	--	11.4	--	--	--	--	--	14.3	--	--	13.6	--	--	9.5	--	--	12.5	--
MW-79	--	10.3	--	--	--	--	--	14.8	--	--	14.1	--	--	10.5	--	--	12.6	--
MW-80	--	11.4	--	--	--	--	--	15.3	--	--	15.5	--	--	11.6	--	--	--	13.6
MW-81	--	--	11.2	--	--	--	--	--	--	--	13.7	--	--	11.1	--	--	--	13.9
MW-82	--	--	--	--	--	--	--	--	15.1	14.2	14.0	11.5	10.4	10.2	11.4	12.4	13.7	14.4
MW-83	--	--	11.9	--	--	--	--	--	16.3	--	15.5	--	10.8	--	--	--	14.3	--
PDMW-01	14.3	11.7	11.5	11.5	11.3	15.1	16.5	17.9	18.9	18.1	17.2	14.8	12.0	10.8	11.0	12.1	13.9	16.0
SV-02	--	--	--	8.2	--	17.7	--	--	--	20.3	--	10.0	--	4.9	--	--	--	19.5
SV-03	--	--	--	8.7	--	--	20.9	--	18.7	--	--	11.7	--	7.6	--	--	--	15.2

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

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

Well ID	Screen Interval (feet bgs)	Total Heterotropic Plate Count (cfu/ml)										
		Q1 2001	Q2 2001	Q3 2001	Q4 2001	Q1 2002	Q2 2002	Q3 2002	Q4 2002	Q2 2004	Q3 2004	Q4 2004
BBMW-03S	3 - 13	--	--	--	--	5	--	--	--	--	--	--
BBMW-03I	30 - 40	--	--	--	--	2	--	--	--	--	--	--
BBMW-03D	52 - 62	--	--	--	--	9	--	--	--	--	--	--
BS-02S	5 - 15	>3,000	150	27	41,000	330	370,000	17,000	41,000	--	--	--
GM-03S	6.78 - 21.78	--	--	--	--	10	--	--	--	--	--	--
GM-03I	30.03 - 45.03	--	--	--	--	1	--	--	--	--	--	--
GM-03D	53.18 - 68.18	--	--	--	--	1	--	--	--	--	--	--
GM-05S	5.1 - 20.1	--	--	--	--	30	--	--	--	--	--	--
GM-05I	35.05 - 48.05	--	--	--	--	22	--	--	--	--	--	--
GM-05D	60.95 - 75.95	--	--	--	--	45	--	--	--	--	--	--
GMP-01	25 - 30	--	--	--	--	20	--	--	--	--	--	--
GMP-02	18 - 23	--	--	--	--	10	--	--	--	--	--	--
GMP-04	15.5 - 20.5	--	--	--	--	41	--	--	--	--	--	--
MW-02S	2 - 12	--	--	--	--	--	--	--	--	10,000	--	--
MW-02SR	2 - 12	--	--	--	--	--	--	--	--	--	TNTC	2,200
MW-16S	2 - 10	--	--	--	--	--	--	--	--	2,700	--	--
MW-16SR	2 - 10	--	--	--	--	--	--	--	--	--	TNTC	6,400
MW-30W	2 - 7	1,400	240	200	60,000	290	5,600	5,100	7,200	--	--	--
MW-34S	2 - 10	330	>300	2,200	220,000	>3,000	--	14,000	570	1,800	320	750
MW-46W	2 - 10	>3,000	>300	--	--	--	--	--	--	--	--	--
MW-46WR	2 - 10	--	--	--	--	--	--	--	46,000	24,000	13,000	6,600
MW-64	19 - 24	150	--	--	34,000	--	360,000	110,000	760	--	--	--
MW-70/70S	2 - 12	3,000	>300	6,000	4,100	140	1,900	3,700	57	660	TNTC	7,800
MW-71/71S	2 - 12	650	190	7,900	17,000	400	88	600	3,800	270	980	4,200
MWBS-02S	5 - 15	--	--	--	--	--	--	--	--	160	1,400	1,200
PDMW-01	5 - 20	--	--	--	--	--	--	--	--	150	83	78
PDMW-02	5 - 20	--	--	--	--	--	--	--	--	13	TNTC	200

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

Well ID	Screen Interval (feet bgs)	Total Heterotropic 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	Q1 2008	Q2 2008
BBMW-03S	3 - 13	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-03I	30 - 40	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-03D	52 - 62	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BS-02S	5 - 15	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-03S	6.78 - 21.78	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-03I	30.03 - 45.03	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-03D	53.18 - 68.18	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-05S	5.1 - 20.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-05I	35.05 - 48.05	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-05D	60.95 - 75.95	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GMP-01	25 - 30	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GMP-02	18 - 23	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GMP-04	15.5 - 20.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-02S	2 - 12	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-02SR	2 - 12	1,600	1,400	2,500	1,100	1,200	95	350	1,000	560	70	190	300	76	44
MW-16S	2 - 10	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16SR	2 - 10	160	2,000	1,100	23,000	6,000	1,700	4100	30,000	12,000	3,200	2,000	416,400	137,500	84,000
MW-30W	2 - 7	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-34S	2 - 10	420	1,300	420	5,800	640	730	1900	1,000	2,200	130	9,000	370	1,000	390
MW-46W	2 - 10	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-46WR	2 - 10	4,400	2,000	1,800	1,800	1,000	22,000	2800	4,600	2,100	560	8,600	3,200	15,000	120
MW-64	19 - 24	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-70/70S	2 - 12	340	8,200	2,600	900	800	470	350	170	180	44	1,700	170	2,000	80
MW-71/71S	2 - 12	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MWBS-02S	5 - 15	250	100	220	340	260	55	45	26	74	16	100	160	280	340
PDMW-01	5 - 20	110	220	71	810	140	45	240	50	33	22	420	130	38	120
PDMW-02	5 - 20	29,000	2,200	2,300	6,000	4,300	3,000	720	2,400	1,700	390	2,000	110	2,100	95

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

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

Well ID	Date of Measurement	Time of Measurement	Well Casing Diameter (inches)	Well Elevation[1] (feet above MSL)	Depth to Water (feet)	Water Elevation (feet above MSL)	Comments
BBMW-09S	4/30/2008	8:56	2.00	21.93	6.64	15.29	
BBMW-09I	4/30/2008	8:57	2.00	22.01	6.71	15.30	
BBMW-09D	4/30/2008	8:58	2.00	22.43	7.13	15.30	
BBMW-28S	4/30/2008	10:57	2.00	16.43	2.15	14.28	
BBMW-28I	4/30/2008	11:00	2.00	16.43	2.14	14.29	
BBMW-29	4/30/2008	11:13	0.50	15.82	3.37	12.45	
BBMW-30S	4/30/2008	11:32	2.00	16.02	1.80	14.22	
BBMW-30I	4/30/2008	11:33	2.00	15.69	1.45	14.24	
BBMW-30D	4/30/2008	11:34	2.00	16.53	2.33	14.20	
BBMW-31S	4/30/2008	13:22	2.00	13.49	2.09	11.40	
BBMW-31I	4/30/2008	13:23	2.00	13.33	1.93	11.40	
BBMW-31D	4/30/2008	13:24	2.00	13.37	1.95	11.42	
BBMW-32S	4/30/2008	11:22	2.00	14.44	1.72	12.72	
BBMW-32I	4/30/2008	11:23	2.00	15.50	1.78	13.72	
BBMW-32D	4/30/2008	11:23	2.00	14.54	1.85	12.69	
BBMW-33	4/30/2008	11:45	2.00	16.58	2.73	13.85	
GM-02AS	4/30/2008	13:15	1.25	20.79	9.76	11.03	
GM-02AI	4/30/2008	13:16	1.25	20.75	9.71	11.04	
GM-02AD	4/30/2008	13:16	1.25	20.74	9.47	11.27	
MW-01S	4/30/2008	9:25	4.00	19.34	2.75	16.59	
MW-01D	4/30/2008	9:26	4.00	19.48	2.87	16.61	
MW-02S/SR	4/30/2008	8:47	2.00	21.67	6.18	15.49	
MW-02I/R	4/30/2008	8:48	2.00	21.37	6.08	15.29	
MW-03	4/30/2008	9:17	4.00	19.30	3.28	16.02	
MW-04	NM	NM	4.00	19.16	NM	NC	Access Obstructed
MW-16S/SR	4/30/2008	8:52	2.00	21.80	5.66	16.14	
MW-16I	4/30/2008	8:53	2.00	21.77	6.42	15.35	
MW-29S	4/30/2008	9:32	2.00	18.34	2.11	16.23	
MW-29D	4/30/2008	9:33	2.00	18.44	2.22	16.22	
MW-30W/WR	4/30/2008	13:44	2.00	14.83	1.79	13.04	
MW-32W/WR	4/30/2008	13:41	0.50	14.65	1.09	13.56	
MW-34S	4/30/2008	13:33	0.75	15.69	1.69	14.00	
MW-34I	4/30/2008	13:34	0.75	15.73	1.75	13.98	
MW-34D	4/30/2008	13:35	1.00	15.58	1.60	13.98	
MW-45W	NM	NM	0.75	15.20	NM	NC	
MW-64	4/30/2008	11:04	2.00	16.10	1.15	14.95	
MW-65	4/31/2008	11:07	2.00	15.62	0.74	14.88	
MWBS-02S	NM	NM	1.00	13.58	NM	NC	Ponding water from rain.
MWBS-02I	NM	NM	0.75	13.46	NM	NC	Ponding water from rain.
MWBS-02D	NM	NM	0.75	13.54	NM	NC	Ponding water from rain.
BBSW-13*	4/30/2008	13:10	NA	13.07	2.53	10.54	Cooper Lane near unnamed pond

Notes:

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

NS - 2007 Survey Data Not Available
-- Not Available
MSL - Mean Sea Level
NM - Not Measured
NC - Not Calculated
* - Surface Water Gauging Station

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

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

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

Well Identification	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)										
		June-02	August-02	November-02	March-03	July-03	September-03	October-03	January-04	April-04	August-04	October-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	14.48
BBMW-09I	30.0 - 40.0	14.82	12.6	14.84	15.27	15.25	14.22	NM	14.64	15.39	14.04	14.47
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	14.48
BBMW-28S	2.0 - 12.0	NM	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	NM
BBMW-29	2.0 - 9.0	NM	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	NM
BBMW-30I	14.0 -19.0	NM	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	NM
BBMW-31S	2.0 - 10.0	NM	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	NM
BBMW-31D	30.0 - 35.0	NM	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	NM
BBMW-32I	14.0 -19.0	NM	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	NM
BBMW-33	7.0 - 12.0	NM	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	10.35
GM-02AI	35.24 - 50.24	10.35	NM	NM	NM	NM	10.24	NM	10.74	11.87	10.1	10.37
GM-02AD	59.8 - 74.8	10.44	NM	NM	11.32	11.22	10.42	NM	10.97	12.03	10.25	10.59
MW-01S	4.0 - 14.0	NM	NM	13.64	15.89	16.59	16.54	15.93	NM	15.93	17.36	15.33
MW-01D	35.0 - 45.0	NM	NM	13.66	15.88	16.61	16.58	15.64	NM	15.95	17.38	15.37
MW-02S/SR	2.0 -12.0	15.47	13.02	NM	NM	NM	NM	14.79	14.93	16.47	NM	14.58
MW-02I/R	22.5 - 23.5	20.02	NM	NM	NM	NM	NM	NM	NM	NM	NM	14.11
MW-03	4.94 - 14.94	13.53	13.18	15.32	15.98	16	15.02	NM	15.31	16.77	14.67	15.18
MW-04	5.1 - 15.1	14.85	12.98	16.28	19.16	15.84	14.89	NM	NM	16.61	14.57	15.19
MW-16S/SR	2.0 - 10.0	14.98	12.35	15.04	15.5	15.4	14.35	NM	14.79	16.47	NM	14.14
MW-16I	14.0 - 19.0	14.92	12.7	14.89	15.32	15.29	14.28	NM	14.71	16.08	NM	14.64
MW-29S	5.0 - 10.0	NM	13.55	15.69	16.3	16.24	15.35	NM	15.64	17.84	15.09	15.48
MW-29D	14.0 - 19.0	NM	13.53	15.68	16.34	NM	15.34	NM	15.65	17.03	15.08	15.48
MW-30W/WR	2.0 - 10.0	NM	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	NM
MW-34S	2.0 - 10.0	NM	NM	NM	14.13	14.07	13.01	NM	13.52	14.8	12.97	13.28
MW-34I	18.5 - 19.5	13.05	NM	NM	14.08	14.02	12.98	NM	13.48	14.76	12.92	13.25
MW-34D	27.5 - 28.5	13.07	NM	NM	14.07	14.03	12.98	NM	13.47	14.8	12.93	13.26
MW-45W	2.0 - 10.0	NM	NM	NM	NM	NM	13.32	NM	13.71	14.87	13.2	13.4
MW-64	19.0 - 24.0	NM	NM	NM	NM	NM	13.95	NM	14.87	15.77	13.85	14.21
MWBS-02S	5 - 15	NM	NM	NM	NM	NM	NM	NM	NM	NM	10.77	10.97
MWBS-02I	14.5 - 15.5	NM	NM	NM	NM	NM	NM	NM	NM	NM	10.69	10.91
MWBS-02D	24.5 - 25.5	11.3	NM	NM	NM	NM	NM	NM	NM	NM	10.69	10.95

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

Well Identification	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)									
		February-05	May-05	August-05	November-05	February-06	May-06	July/Aug-06	November-06	January-07	May-07
BBMW-09S	5.0 - 15.0	15.17	14.99	13.79	15.55	15.43	14.93	14.63	15.09	15.02	15.44
BBMW-09I	30.0 - 40.0	15.16	14.97	13.8	15.54	15.42	14.92	14.63	15.10	15.02	15.44
BBMW-09D	62.0 - 72.0	15.16	14.99	13.8	15.52	15.42	14.93	14.63	15.11	15.01	15.45
BBMW-28S	2.0 - 12.0	14.31	14.05	12.96	14.45	14.35	13.97	13.65	14.11	14.07	14.36
BBMW-28I	10.0 - 20.0	14.28	14.04	12.94	14.45	14.34	13.96	13.63	14.09	14.06	14.34
BBMW-29	2.0 - 9.0	12.41	12.22	11.28	12.53	12.46	12.17	11.8	12.28	12.25	12.53
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	13.22	13.72	13.59	13.93
GM-02AS	8.91 - 23.91	10.94	10.9	9.94	11.24	11.09	10.83	10.38	10.93	10.94	11.31
GM-02AI	35.24 - 50.24	10.96	10.92	9.96	11.26	11.11	10.85	10.4	10.96	10.94	11.33
GM-02AD	59.8 - 74.8	11.17	11.11	10.06	11.47	11.36	11.05	10.52	11.16	11.20	11.51
MW-01S	4.0 - 14.0	15.77	16.47	16.38	15.08	16.95	16.77	16.28	16.01	16.39	16.37
MW-01D	35.0 - 45.0	15.8	16.46	16.4	15.21	16.87	16.79	16.3	16.07	16.4	16.38
MW-02S/SR	2.0 -12.0	15.29	15.09	NM	NM	NM	NM	14.77	15.23	15.13	15.58
MW-02I/R	22.5 - 23.5	NM	NM	NM	NM	NM	NM	NM	NC	NC	NC
MW-03	4.94 - 14.94	15.85	15.73	14.49	16.28	16.15	15.65	15.38	15.79	15.74	16.16
MW-04	5.1 - 15.1	15.55	15.55	14.34	16.13	15.9	15.45	15.19	15.56	15.52	15.73
MW-16S/SR	2.0 - 10.0	14.96	15.15	13.52	15.7	15.6	15.01	14.75	15.29	15.11	15.92
MW-16I	14.0 - 19.0	15.25	15.13	NM	15.56	15.46	14.98	14.7	15.15	15.07	15.66
MW-29S	5.0 - 10.0	16.17	16.02	14.84	16.53	16.39	15.91	15.69	16.07	16.00	16.41
MW-29D	14.0 - 19.0	16.15	16.01	14.83	16.52	16.38	15.91	15.68	16.06	16.00	16.40
MW-30W/WR	2.0 - 10.0	15.3	15.09	14.17	15.4	15.34	15.03	14.69	15.13	15.1	15.4
MW-32W/WR	2.0 - 10.0	13.57	13.36	12.36	13.72	13.6	13.26	12.96	13.41	13.32	13.64
MW-34S	2.0 - 10.0	14	13.73	12.73	14.12	14.03	13.59	13.35	13.81	13.75	14.07
MW-34I	18.5 - 19.5	13.97	13.72	12.74	14.12	14.01	13.65	13.35	13.80	13.75	14.07
MW-34D	27.5 - 28.5	13.97	13.72	12.75	14.13	14.01	13.66	13.35	14.30	13.76	14.08
MW-45W	2.0 - 10.0	14.13	13.97	12.85	14.26	14.15	13.78	13.49	13.97	13.88	14.22
MW-64	19.0 - 24.0	NM	14.73	13.58	15.09	15.07	14.61	14.24	14.75	14.72	14.99
MWBS-02S	5 - 15	11.58	11.44	10.59	11.7	11.6	11.38	10.93	11.46	11.47	11.65
MWBS-02I	14.5 - 15.5	11.57	11.42	10.55	11.66	11.6	11.39	10.94	11.45	11.45	11.58
MWBS-02D	24.5 - 25.5	11.45	11.44	10.61	11.73	11.6	11.39	10.88	11.47	11.47	11.28

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

Well Identification	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)						
		July/Aug-07	Oct/Nov-07	January-08	April-08	Minimum	Average	Maximum
BBMW-09S	5.0 - 15.0	14.67	13.75	14.72	15.29	12.61	14.73	15.55
BBMW-09I	30.0 - 40.0	14.69	13.76	14.72	15.30	12.6	14.73	15.54
BBMW-09D	62.0 - 72.0	14.65	13.74	14.72	15.30	12.61	14.76	16.37
BBMW-28S	2.0 - 12.0	13.72	12.89	13.74	14.28	12.89	13.92	14.45
BBMW-28I	10.0 - 20.0	13.71	12.88	13.73	14.29	12.88	13.91	14.45
BBMW-29	2.0 - 9.0	11.87	11.30	12.03	12.45	11.28	12.11	12.53
BBMW-30S	2.0 - 10.0	13.68	12.93	13.71	14.22	12.93	13.64	14.22
BBMW-30I	14.0 -19.0	13.70	12.92	13.67	14.24	12.92	13.63	14.24
BBMW-30D	30.0 - 35.0	13.67	12.91	13.64	14.20	12.91	13.61	14.2
BBMW-31S	2.0 - 10.0	10.76	10.51	11.13	11.40	10.51	10.95	11.4
BBMW-31I	14.0 -19.0	10.77	10.52	11.12	11.40	10.52	10.95	11.4
BBMW-31D	30.0 - 35.0	10.77	10.52	11.12	11.42	10.52	10.96	11.42
BBMW-32S	2.0 - 10.0	12.15	11.58	12.29	12.72	11.58	12.19	12.72
BBMW-32I	14.0 -19.0	13.16	12.59	13.30	13.72	12.59	13.19	13.72
BBMW-32D	30.0 - 35.0	13.09	11.56	12.26	12.69	11.56	12.40	13.09
BBMW-33	7.0 - 12.0	13.24	12.56	13.39	13.85	12.56	13.44	13.93
GM-02AS	8.91 - 23.91	10.46	10.10	10.73	11.03	9.94	10.69	11.86
GM-02AI	35.24 - 50.24	10.48	10.12	10.76	11.04	9.96	10.68	11.87
GM-02AD	59.8 - 74.8	10.61	10.26	11.74	11.27	10.06	10.93	12.03
MW-01S	4.0 - 14.0	16.79	16.01	15.93	16.59	13.64	16.05	17.36
MW-01D	35.0 - 45.0	16.8	16	15.95	16.61	13.66	16.06	17.38
MW-02S/SR	2.0 -12.0	14.86	13.87	14.87	15.49	13.02	14.97	16.47
MW-02I/R	22.5 - 23.5	NC	13.83	14.56	15.29	13.83	15.64	20.02
MW-03	4.94 - 14.94	15.38	14.43	15.39	16.02	13.18	15.36	16.77
MW-04	5.1 - 15.1	15.14	14.20	15.07	NC	12.98	15.35	19.16
MW-16S/SR	2.0 - 10.0	15.03	13.89	14.81	16.14	12.35	14.80	16.47
MW-16I	14.0 - 19.0	14.77	13.84	14.93	15.35	12.7	14.95	16.08
MW-29S	5.0 - 10.0	15.67	NM	15.66	16.23	13.55	15.82	17.84
MW-29D	14.0 - 19.0	15.66	NM	15.63	16.22	13.53	15.79	17.03
MW-30W/WR	2.0 - 10.0	14.74	11.83	12.58	13.04	11.83	14.66	15.89
MW-32W/WR	2.0 - 10.0	12.99	12.3	13.09	13.56	12.3	13.22	13.72
MW-34S	2.0 - 10.0	13.38	NM	13.48	14.00	12.73	13.66	14.8
MW-34I	18.5 - 19.5	13.38	NM	13.48	13.98	12.74	13.61	14.76
MW-34D	27.5 - 28.5	13.38	NM	13.38	13.98	12.75	13.65	14.8
MW-45W	2.0 - 10.0	13.51	12.79	13.56	NC	12.79	13.71	14.87
MW-64	19.0 - 24.0	14.35	13.49	14.33	14.95	13.49	14.56	15.77
MWBS-02S	5 - 15	11.06	10.67	NC	NC	10.59	11.23	11.7
MWBS-02I	14.5 - 15.5	10.99	10.63	NC	NC	10.55	11.20	11.66
MWBS-02D	24.5 - 25.5	11.05	10.67	NC	NC	10.39	11.17	11.73

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

Table 4-6
Summary of Historic Total BTEX Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Report
Operable Unit No. 3 (OU-3)

Well No.	Screen Interval (feet)	Total BTEX Groundwater Concentrations (ug/L)													
		Sampling Date													
		1992	1997		1998			1999				2000			
		Sept	June	Aug	Mar	June	Dec	Mar	June	Sept	Oct/Nov	Feb	May	Sept	Nov/Dec
BBMW-09D	62.0 - 72.0	--	--	--	--	--	--	--	--	--	15	--	--	--	--
BBMW-09I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	0	--	--	--	--
BBMW-09S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	85	--	--	--	--
BBMW-28I	10.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-28S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-29	2.0 - 9.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-30D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-30I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-30S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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-02AD	59.8 - 74.8	0	--	--	--	--	--	--	--	0	0	--	--	--	--
GM-02AI	35.24 - 50.24	0	--	--	--	--	--	--	--	0	0	--	--	--	--
GM-02AS	8.91 - 23.91	0	--	--	--	--	--	--	--	0	0	--	--	--	--
IO-10	6.0 - 16.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-01D	35.0 - 45.0	0	--	--	0	--	--	--	--	--	0	--	--	--	--
MW-01S	4.0 -14.0	0	0	--	0	--	--	--	--	--	0	--	--	--	--
MW-02I/I-R	22.5 - 23.5	--	--	238,900	1,435	4,201	650	965	144	0	65	199	33	--	--
MW-02S/S-R	2.0 - 12.0	161,000	98,200	90,100	143,200	103,200	103,400	132,000	125,100	295,000	72,100	73,000	73,200	137,000	123,100
MW-03	4.94 - 14.94	--	35	--	1	--	--	--	--	--	178	--	--	--	--
MW-04	5.1 - 15.1	--	1	--	0	--	--	--	--	--	0	--	--	--	--
MW-11W	2.0 - 10.0	--	--	--	--	2,130	635	1,355	4,070	6,910	2,547	1,401	2,360	--	1,390
MW-12W	2.0 - 10.0	--	0	--	--	0	--	--	--	--	--	--	--	--	--
MW-16I	14.0 - 19.0	--	--	--	24	10	55	1	45	0	0	6	12	0	--
MW-16SR	2.0 - 10.0	--	--	--	79,600	46,190	20,640	1,830	28,980	64,900	3,627	71,900	34,900	55,990	15,370
MW-16W	2.0 - 10.0	--	55	--	--	--	--	--	--	--	--	--	--	--	--
MW-17W	2.0 - 10.0	--	0	--	--	--	--	--	--	--	--	--	--	--	--
MW-26D	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-29D	14.0 - 19.0	--	--	--	0	--	0	0	0	0	0	0	0	8	--
MW-29S	5.0 - 10.0	--	--	--	--	--	0	0	--	0	0	0	0	10	0
MW-30W/W-R	2.0 - 10.0	--	11,740	--	--	--	--	--	--	--	--	--	--	--	27,200
MW-32W/W-R	2.0 - 10.0	--	22,000	--	--	4,020	45,800	18,460	3,620	--	--	--	--	--	--
MW-34D	27.5 - 28.5	--	--	16,200	--	35	3	0	1	0	0	15	0	55	--
MW-34I	18.5 - 19.5	--	--	25,600	--	0	3	0	0	0	6	10	3	0	--
MW-34S	2.0 - 10.0	--	39,100	17,000	--	17,600	49,500	3,910	19,750	34,700	28,400	22,700	9,600	--	8,621
MW-45W	2.0 - 10.0	--	5,500	--	195	--	--	--	--	--	--	--	--	13,230	134
MW-46W/W-R	2.0 - 10.0	--	30,000	--	29,900	--	--	--	--	--	--	--	--	57,900	25,300
MW-64	19.0 - 24.0	--	--	--	0	0	0	0	0	0	0	25	--	0	0
MW-65	11.0 - 16.0	--	--	--	0	--	--	--	--	18	--	31	0	0	0
MW-66D	24.0 - 29.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--
MW-66S	1.5 - 11.5	--	--	--	0	--	--	--	--	--	--	--	--	--	--
MW-68D	25.0 - 30.0	--	--	--	0	0	1	172	2	0	0	--	--	--	--
MW-70/70S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	41,100	8,160
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-02D	24.5 - 25.5	--	--	62	0	--	2,450	23	25	0	17,530	0	0	0	--
MWBS-02I	14.5 - 15.5	--	--	13	330	347	341	9,998	608	0	7	12	0	0	4,740
MWBS-02S	5.0 - 15.0	--	997	60	0	--	221	264	40	0	5,510	50	0	0	6
MW-UST1	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-UST2	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-UST3	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PDMW-01	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PDMW-02	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SV-02	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SV-03	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-6
Summary of Historic Total BTEX Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Report
Operable Unit No. 3 (OU-3)

Well No.	Screen Interval (feet)	Total BTEX Groundwater Concentrations (ug/L)												
		Sampling Date												
		2001				2002						2003		
		Mar	June	Sept	Dec	Jan/Feb	Mar	Apr/May	June/July	Aug/Sept	Nov/Dec	Feb-Apr	Jul/Aug	Sept/Oct
BBMW-09D	62.0 - 72.0	--	--	--	--	--	--	2	--	--	--	--	--	--
BBMW-09I	30.0 - 40.0	--	--	--	--	--	--	0	--	--	--	--	--	--
BBMW-09S	5.0 - 15.0	--	--	--	--	--	--	2	--	3	5	0	0	0
BBMW-28I	10.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-28S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-29	2.0 - 9.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-30D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-30I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-30S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--
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-02AD	59.8 - 74.8	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AI	35.24 - 50.24	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AS	8.91 - 23.91	--	--	--	--	--	--	--	--	--	--	--	--	--
IO-10	6.0 - 16.0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-01D	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-01S	4.0 -14.0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-02I/I-R	22.5 - 23.5	--	--	--	--	--	--	--	--	--	--	--	--	63
MW-02S/S-R	2.0 - 12.0	--	--	--	--	159,200	149,000	166,500	180,000	134,000	149,600	99,400	124,800	263,000
MW-03	4.94 - 14.94	--	--	--	--	--	24	24	--	3	28	23	85	93
MW-04	5.1 - 15.1	--	--	--	--	--	--	2	--	28	9	0	69	0
MW-11W	2.0 - 10.0	242	4,900	170	489	--	2,410	--	175	101	17	172	382	16
MW-12W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16I	14.0 - 19.0	--	--	--	--	--	--	--	2	--	--	--	--	0
MW-16SR	2.0 - 10.0	--	--	3,350	122,600	75,500	59,800	24,550	22,700	45,500	4,424	10,400	27,260	42,700
MW-16W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-26D	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-29D	14.0 - 19.0	--	--	--	--	--	--	--	0	--	--	--	--	--
MW-29S	5.0 - 10.0	0	2	0	0	--	--	--	0	0	0	0	0	0
MW-30W/W-R	2.0 - 10.0	16	0	40	6,240	--	77	--	0	104	170	--	--	--
MW-32W/W-R	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	2,290	4,832
MW-34D	27.5 - 28.5	--	--	--	--	--	--	--	0	--	--	--	0	0
MW-34I	18.5 - 19.5	--	--	--	--	--	--	--	3,690	--	--	--	--	--
MW-34S	2.0 - 10.0	5	3,530	1,500	8	--	71	--	7,440	179	2,142	2,141	17,300	2,827
MW-45W	2.0 - 10.0	53,700	1,240	24	219	--	--	2,550	7	1	0	--	8,500	720
MW-46W/W-R	2.0 - 10.0	23,800	17,300	--	--	--	--	--	--	--	21,100	35,800	18,800	8,800
MW-64	19.0 - 24.0	0	0	--	84	--	--	9	0	0	14	85,000	0	0
MW-65	11.0 - 16.0	1	0	51	0	--	--	9	0	0	31	0	0	0
MW-66D	24.0 - 29.0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-66S	1.5 - 11.5	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-68D	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-70/70S	2.0 - 12.0	7,920	31	7	0	--	403	--	100	3	5	23,800	12	1,170
MW-73	2.0 - 12.0	--	--	--	--	29,500	8,990	7,140	9,400	26,600	5,220	--	64,000	89,000
MW-75	2.0 - 12.0	--	--	--	6,580	4,010	78	45	65,700	82,800	158	1,420	161,100	110,500
MW-76	2.0 - 12.0	--	--	--	--	2,702	230	37	252	4,560	21	--	109	136
MW-78	5.0 - 20.0	--	--	--	--	17,400	3,790	2,156	2,840	17,700	1,320	11,960	30,800	42,000
MW-79	5.0 - 20.0	--	--	--	--	--	2,090	627	74,200	87,100	12,700	69,800	101,600	93,700
MW-80	5.0 - 20.0	--	--	--	--	48,000	635	457	6,220	87,600	387	33,300	88,000	126,000
MW-81	5.0 - 20.0	--	--	--	--	--	1,449	1,318	28,200	31,600	1,530	12,930	53,600	33,000
MW-82	5.0 - 20.0	--	--	--	--	5,840	1,269	110	26,900	48,300	1,444	17,910	245,000	46,000
MW-83	5.0 - 20.0	--	--	--	--	189	120	3	458	1,297	8	62	40	950
MWBS-01S	5.0 - 15.0	--	--	--	--	--	--	0	--	--	--	--	--	--
MWBS-02D	24.5 - 25.5	--	--	--	--	--	--	--	3	--	--	0	--	--
MWBS-02I	14.5 - 15.5	0	59	20	0	--	84	--	0	0	--	0	--	--
MWBS-02S	5.0 - 15.0	4	0	0	0	--	1	--	0	0	0	0	0	0
MW-UST1	2.0 - 12.0	--	--	--	--	--	694	885	--	307	1,727	1,033	1,110	1,911
MW-UST2	2.0 - 12.0	--	--	--	--	--	661	1,340	--	335	599	1,160	2,400	1,854
MW-UST3	2.0 - 12.0	--	--	--	--	--	75	141	--	21	46	33	79	74
PDMW-01	5.0 - 20.0	--	--	--	--	30,700	19,700	23,100	--	--	14,500	1,400	0	0
PDMW-02	5.0 - 20.0	--	--	--	--	86,100	72,600	67,700	93,600	53,300	--	--	68,000	74,000
SV-02	2.0 - 12.0	--	--	--	--	52	40	2	137	820	2	127	73,800	92,300
SV-03	2.0 - 12.0	--	--	--	--	14,780	203	90	2,110	6,410	4	5,870	9,810	23,100

Table 4-6
Summary of Historic Total BTEX Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Report
Operable Unit No. 3 (OU-3)

Well No.	Screen Interval (feet)	Total BTEX Groundwater Concentrations (ug/L)											
		Sampling Date											
		2004				2005				2006			
		Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	June	August	Nov/Dec	March	June	Jul/Aug	Nov/Dec
BBMW-09D	62.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-09I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-09S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0
BBMW-28I	10.0 - 20.0	--	--	--	--	0	0	0	0	--	--	--	--
BBMW-28S	2.0 - 12.0	--	--	--	--	0	0	0	0	--	--	--	--
BBMW-29	2.0 - 9.0	--	--	--	--	0	0	0	4,368	974	134	0	0
BBMW-30D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-30I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-30S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-33	7.0 - 12.0	--	--	--	--	--	--	--	--	0	0	0	0
BW-UST-10	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	0
BW-UST-11	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	0
BW-UST-28	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BW-UST-29	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AD	59.8 - 74.8	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AI	35.24 - 50.24	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AS	8.91 - 23.91	--	--	--	--	--	--	--	--	--	--	--	--
IO-10	6.0 - 16.0	--	5,380	83	10	21,100	290	3,627	45	0	0	0	101
MW-01D	35.0 - 45.0	--	--	--	--	--	--	--	--	--	0	0	0
MW-01S	4.0 -14.0	--	--	--	0	--	--	--	460	--	0	0	0
MW-02I/I-R	22.5 - 23.5	14	--	--	--	62	--	--	--	0	--	--	--
MW-02S/S-R	2.0 - 12.0	149,000	172,400	22,000	427	2,050	13	94	194	945	51	0	68
MW-03	4.94 - 14.94	35	51	52	0	22	28	24	27	0	24	28	14
MW-04	5.1 - 15.1	0	0	0	0	0	0	0	0	12	0	0	0
MW-11W	2.0 - 10.0	0	0	0	1,449	30	6,580	1,400	2,071	190	61	0	933
MW-12W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-16I	14.0 - 19.0	0	--	--	--	0	--	--	--	0	--	--	--
MW-16SR	2.0 - 10.0	354	1,320	41,800	317	66,800	65,500	34,600	45,820	42,100	15,000	17,900	18,600
MW-16W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-17W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-26D	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-29D	14.0 - 19.0	0	--	--	0	--	--	--	0	--	--	--	--
MW-29S	5.0 - 10.0	0	0	0	0	0	0	0	0	0	0	0	0
MW-30W/W-R	2.0 - 10.0	--	--	--	--	0	0	10	0	0	106	130	0
MW-32W/W-R	2.0 - 10.0	1,189	2,048	74,400	33,300	8,413	5,171	4,400	9,200	4,565	5,950	5,100	1,502
MW-34D	27.5 - 28.5	0	--	--	--	0	--	--	--	0	--	--	--
MW-34I	18.5 - 19.5	4,090	--	--	--	1,348	--	--	--	0	--	--	--
MW-34S	2.0 - 10.0	13,000	13,900	3,364	12,370	5,068	11,700	29,200	3,820	14,600	25,500	9,240	5,760
MW-45W	2.0 - 10.0	1,950	25,000	2,780	11,300	39,300	14,000	19,300	16,100	14,600	2,214	1,720	5,770
MW-46W/W-R	2.0 - 10.0	--	20,800	23,100	22,500	37,100	40,200	42,400	15,760	17,110	7,270	2,750	2,330
MW-64	19.0 - 24.0	0	0	24	7,650	0	5,651	0	750	19	0	0	0
MW-65	11.0 - 16.0	0	0	0	3,852	0	0	0	0	0	0	0	0
MW-66D	24.0 - 29.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-66S	1.5 - 11.5	--	--	--	--	--	--	--	--	--	--	--	--
MW-68D	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-70/70S	2.0 - 12.0	1,114	6,150	39,400	70	267	45,500	57,000	4,630	4,360	175	277	363
MW-73	2.0 - 12.0	34,000	33,000	71,500	27,700	26,700	26,500	52,000	557	8,460	14,520	36,200	15,070
MW-75	2.0 - 12.0	4,060	1,302	34,500	212	1,815	129,200	157,100	17,000	5,389	1,540	3,600	491
MW-76	2.0 - 12.0	0	--	0	33	0	170	23	0	27	0	0	0
MW-78	5.0 - 20.0	11,800	18,200	13,400	8,400	15,700	21,800	8,700	3,090	5,900	4,710	18,100	4,080
MW-79	5.0 - 20.0	116,000	82,600	34,820	24,100	32,300	9,800	7,300	588	3,740	3,320	1,220	7,690
MW-80	5.0 - 20.0	118,000	96,000	81,400	66,900	132,000	197,000	301,000	38,300	44,000	38,700	6,170	41,100
MW-81	5.0 - 20.0	63,000	--	20,400	35,200	37,800	22,870	29,100	15,660	5,000	9,510	3,499	16,900
MW-82	5.0 - 20.0	20,280	--	30,300	10,400	5,340	25,300	140	58,900	44,200	30,000	43,400	21,800
MW-83	5.0 - 20.0	0	--	0	1,543	788	980	1,280	142	101	0	5,042	161
MWBS-01S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
MWBS-02D	24.5 - 25.5	0	--	--	--	87	--	--	--	0	--	--	--
MWBS-02I	14.5 - 15.5	--	--	0	0	0	0	0	0	0	0	0	0
MWBS-02S	5.0 - 15.0	2,853	323	0	0	22	82	0	0	0	0	0	0
MW-UST1	2.0 - 12.0	51	1,563	2,717	240	122	660	830	1,083	117	1,270	2,400	944
MW-UST2	2.0 - 12.0	440	1,172	3,834	1,430	3,117	1,880	2,700	1,410	1,652	1,925	3,011	1,250
MW-UST3	2.0 - 12.0	145	320	0	22	247	41	12	0	0	19	0	0
PDMW-01	5.0 - 20.0	0	0	0	0	0	0	0	0	0	0	0	0
PDMW-02	5.0 - 20.0	115,900	117,600	82,000	83,000	90,000	60,300	37,300	100,000	19,500	85,100	67,500	98,000
SV-02	2.0 - 12.0	0	--	0	0	0	26,900	24,900	25,500	1,600	32	27,400	42
SV-03	2.0 - 12.0	33,200	--	615	4,400	936	5,509	249	2,702	570	257	831	116

Table 4-6
Summary of Historic Total BTEX Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Report
Operable Unit No. 3 (OU-3)

Well No.	Screen Interval (feet)	Total BTEX Groundwater Concentrations (ug/L)										
		Sampling Date										
		2007				2008		Historic	Historic	Historic	Current	Current
		March	May-July	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	Minimum	Maximum	Average	Minimum	Maximum
BBMW-09D	62.0 - 72.0	0	--	0	--	0	--	0	15	3	0	15
BBMW-09I	30.0 - 40.0	0	--		--	0	--	0	0	0	0	0
BBMW-09S	5.0 - 15.0	0	0	0	0	0	0	0	85	4	0	85
BBMW-28I	10.0 - 20.0	0	0	0	0	0	0	0	0	0	0	0
BBMW-28S	2.0 - 12.0	0	0	0	0	0	0	0	0	0	0	0
BBMW-29	2.0 - 9.0	0	0	0	0	0	0	0	4,368	421	0	4,368
BBMW-30D	30.0 - 35.0	--	0	0	0	0	--	0	0	0	0	0
BBMW-30I	14.0 - 19.0	--	0	0	0	0	--	0	0	0	0	0
BBMW-30S	2.0 - 10.0	--	0	0	0	0	--	0	0	0	0	0
BBMW-31D	30.0 - 35.0	--	0	0	0	0	--	0	0	0	0	0
BBMW-31I	14.0 - 19.0	--	0	0	0	0	--	0	0	0	0	0
BBMW-31S	2.0 - 10.0	--	0	0	0	0	--	0	0	0	0	0
BBMW-32D	30.0 - 35.0	--	0	0	0	0	--	0	0	0	0	0
BBMW-32I	14.0 - 19.0	--	0	0	0	0	--	0	0	0	0	0
BBMW-32S	2.0 - 10.0	--	0	0	0	0	--	0	0	0	0	0
BBMW-33	7.0 - 12.0	0	0	0	0	0	0	0	0	0	0	0
BW-UST-10	5.0 - 10.0	0	0	0	0	0	0	0	0	0	0	0
BW-UST-11	5.0 - 10.0	0	0	0	0	1	0	0	1	0	0	1
BW-UST-28	5.0 - 10.0	--	0	0	0	0	0	0	0	0	0	0
BW-UST-29	5.0 - 10.0	--	0	0	0	0	0	0	0	0	0	0
GM-02AD	59.8 - 74.8	--	--	--	--	--	--	0	0	0	0	0
GM-02AI	35.24 - 50.24	--	--	--	--	--	--	0	0	0	0	0
GM-02AS	8.91 - 23.91	--	--	--	--	--	--	0	0	0	0	0
IO-10	6.0 - 16.0	2,300	0	0	83	0	73	0	21,100	2,064	0	21,100
MW-01D	35.0 - 45.0	0	0	0	0	0	--	0	0	0	0	0
MW-01S	4.0 -14.0	0	0	0	0	0	0	0	460	33	0	460
MW-02I/I-R	22.5 - 23.5	0	0	0	0	0	0	0	238,900	12,986	0	238,900
MW-02S/S-R	2.0 - 12.0	346	625	1695	248	27	1	0	295,000	87,632	0	295,000
MW-03	4.94 - 14.94	0	0	20	18	5	5	0	178	31	0	178
MW-04	5.1 - 15.1	0	0	0	0	0	0	0	69	5	0	69
MW-11W	2.0 - 10.0	42	110	62	97	95	77	0	6,910	1,216	0	6,910
MW-12W	2.0 - 10.0	0	0	0	0	0	0	0	0	0	0	0
MW-16I	14.0 - 19.0	0	103	0	59	84	17	0	103	20	0	103
MW-16SR	2.0 - 10.0	12,250	6,050	15870	20770	36270	11710	317	122,600	33,437	317	122,600
MW-16W	2.0 - 10.0	--	--	--	--	--	--	55	55	55	55	55
MW-17W	2.0 - 10.0	--	--	--	--	--	--	0	0	0	0	0
MW-26D	14.0 - 19.0	--	--	--	--	0	0	0	0	0	0	0
MW-29D	14.0 - 19.0	0	0	0	0	0	--	0	8	0	0	8
MW-29S	5.0 - 10.0	0	0	0	0	0	--	0	10	0	0	10
MW-30W/W-R	2.0 - 10.0	0	0	0	0	0	0	0	27,200	1,993	0	27,200
MW-32W/W-R	2.0 - 10.0	1,060	567	1080	8510	2317	57	567	74,400	11,241	57	74,400
MW-34D	27.5 - 28.5	0	0	0	0	0	0	0	16,200	777	0	16,200
MW-34I	18.5 - 19.5	0	0	5	934	40	0	0	25,600	1,880	0	25,600
MW-34S	2.0 - 10.0	85	9,750	35100	19800	7750	25870	5	49,500	13,026	5	49,500
MW-45W	2.0 - 10.0	3,200	43,400	1236	1717	3600	5690	0	53,700	9,458	0	53,700
MW-46W/W-R	2.0 - 10.0	1,256	3,810	915	1400	8130	1664	915	57,900	19,828	915	57,900
MW-64	19.0 - 24.0	0	0	0	0	0	0	0	85,000	2,682	0	85,000
MW-65	11.0 - 16.0	0	0	0	0	4	0	0	3,852	118	0	3,852
MW-66D	24.0 - 29.0	0	0	0	0	0	0	0	0	0	0	0
MW-66S	1.5 - 11.5	0	0	0	0	0	0	0	0	0	0	0
MW-68D	25.0 - 30.0	--	--	--	--	--	--	0	172	25	0	172
MW-70/70S	2.0 - 12.0	31	268	351	1577	11590	7750	0	57,000	8,528	0	57,000
MW-73	2.0 - 12.0	18,700	22,500	15300	14000	12800	5970	557	89,000	26,774	557	89,000
MW-75	2.0 - 12.0	580	355	9420	2254	268	1802	45	161,100	29,684	45	161,100
MW-76	2.0 - 12.0	0	0	4	7	2	0	0	4,560	346	0	4,560
MW-78	5.0 - 20.0	2,320	3,050	2480	2270	54	167	54	42,000	10,539	54	42,000
MW-79	5.0 - 20.0	13,900	2,840	2030	542	3160	32	542	116,000	31,511	32	116,000
MW-80	5.0 - 20.0	148,000	26,100	41000	106000	3220	18700	387	301,000	72,134	387	301,000
MW-81	5.0 - 20.0	65,800	16,100	36300	61800	8690	1080	1,318	65,800	25,469	1,080	65,800
MW-82	5.0 - 20.0	7,144	14,460	4338	17989	1164	2254	110	245,000	29,117	110	245,000
MW-83	5.0 - 20.0	41	2,320	6761	39	36	0	0	6,761	894	0	6,761
MWBS-01S	5.0 - 15.0	--	--	--	--	--	--	0	151	51	0	151
MWBS-02D	24.5 - 25.5	0	0	0	0	17	0	0	17,530	1,010	0	17,530
MWBS-02I	14.5 - 15.5	0	0	0	0	0	0	0	9,998	473	0	9,998
MWBS-02S	5.0 - 15.0	0	0	0	8	0	0	0	5,510	261	0	5,510
MW-UST1	2.0 - 12.0	950	1,250	796	470	--	--	51	2,717	1,006	51	2,717
MW-UST2	2.0 - 12.0	960	1,260	1173	1686	--	--	335	3,834	1,620	335	3,834
MW-UST3	2.0 - 12.0	14	0	6	4	--	--	0	320	56	0	320
PDMW-01	5.0 - 20.0	0	0	0	70920	0	0	0	70,920	6,680	0	70,920
PDMW-02	5.0 - 20.0	62,700	79,700	68020	84400	70570	65260	19,500	117,600	76,537	19,500	117,600
SV-02	2.0 - 12.0	0	0	26000	0	0	0	0	92,300	11,986	0	92,300
SV-03	2.0 - 12.0	65	207	185	341	105	477	4	33,200	4,507	4	33,200

Table 4-6
Summary of Historic Total BTEX Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Report
Operable Unit No. 3 (OU-3)

NOTES:
-- = Not Analyzed/Applicable
ug/L - Micrograms per liter
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.
Peristaltic pump results are shown on this table.

Table 4-7
Summary of Historic Total PAH Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Report
Operable Unit No. 3 (OU-3)

Well No.	Screen Interval (feet)	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	May	Sept	Nov/Dec
BBMW-09D	62.0 - 72.0	--	--	--	--	--	--	--	--	--	0	--	--	--	--
BBMW-09I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	0	--	--	--	--
BBMW-09S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	0	--	--	--	--
BBMW-28I	10.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-28S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-29	2.0 - 9.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-30D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-30I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-30S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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-02AD	59.8 - 74.8	0	--	--	--	--	--	--	--	0	0	--	--	--	--
GM-02AI	35.24 - 50.24	0	--	--	--	--	--	--	--	0	0	--	--	--	--
GM-02AS	8.91 - 23.91	0	--	--	--	--	--	--	--	0	0	--	--	--	--
IO-10	6.0 - 16.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-01D	35.0 - 45.0	0	--	--	1	--	--	--	--	--	0	--	--	--	--
MW-01S	4.0 -14.0	0	0	--	0	--	--	--	--	--	0	--	--	--	--
MW-02I/I-R	22.5 - 23.5	--	--	6,478	99	12	11	10	1	0	0	0	53	--	--
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	1,787	1,681	1,620
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	389	--	178
MW-12W	2.0 - 10.0	--	0	--	--	0	--	--	--	--	--	--	--	--	--
MW-16I	14.0 - 19.0	--	--	--	18	0	0	3	0	0	7	0	0	0	--
MW-16SR	2.0 - 10.0	--	--	--	15,910	10,500	2,468	696	2,447	2,307	450	1,910	1,173	3,096	1,036
MW-16W	2.0 - 10.0	--	3	--	--	--	--	--	--	--	--	--	--	--	--
MW-17W	2.0 - 10.0	--	11	--	--	--	--	--	--	--	--	--	--	--	--
MW-26D	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-29D	14.0 - 19.0	--	--	--	0	--	0	0	0	0	0	0	0	2	--
MW-29S	5.0 - 10.0	--	--	--	--	--	0	0	--	0	516	0	0	2	0
MW-30W/W-R	2.0 - 10.0	--	753	--	--	--	--	--	--	--	--	--	--	--	1,300
MW-32W/W-R	2.0 - 10.0	--	322	--	--	730	1,435	810	368	--	--	--	--	--	--
MW-34D	27.5 - 28.5	--	--	10	--	0	0	0	2	0	0	0	0	2	--
MW-34I	18.5 - 19.5	--	--	103	--	0	0	2	8	0	0	0	203	0	--
MW-34S	2.0 - 10.0	--	333	1,002	--	1,035	1,604	341	1,355	1,157	502	611	381	--	518
MW-45W	2.0 - 10.0	--	170	--	330	--	--	--	--	--	--	--	--	781	10
MW-46W/W-R	2.0 - 10.0	--	1,482	--	4,156	--	--	--	--	--	--	--	--	2,141	228
MW-64	19.0 - 24.0	--	--	--	1	0	0	12	3	0	14	0	13	97	0
MW-65	11.0 - 16.0	--	--	--	17	--	--	--	--	3	--	9	34	8	13
MW-66D	24.0 - 29.0	--	--	--	2	--	--	--	--	--	--	--	--	--	--
MW-66S	1.5 - 11.5	--	--	--	0	--	--	--	--	--	--	--	--	--	--
MW-68D	25.0 - 30.0	--	--	--	1	0	0	3	0	0	0	--	--	--	--
MW-70/70S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	1,720	84
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-02D	24.5 - 25.5	--	--	1	47	--	254	0	0	0	237	0	0	0	--
MWBS-02I	14.5 - 15.5	--	--	27	485	696	0	640	8	0	0	11	258	3	261
MWBS-02S	5.0 - 15.0	--	167	24	0	--	262	36	5	79	245	274	81	115	105
MW-UST1	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-UST2	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-UST3	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PDMW-01	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PDMW-02	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SV-02	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SV-03	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-7
Summary of Historic Total PAH Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Report
Operable Unit No. 3 (OU-3)

Well No.	Screen Interval (feet)	Total PAH Groundwater Concentrations (ug/L)												
		Sampling Date												
		2001				2002						2003		
		Mar	June	Sept	Dec	Jan/Feb	Mar	Apr/May	June/July	Aug/Sept	Nov/Dec	Feb-Apr	Jul/Aug	Sept/Oct
BBMW-09D	62.0 - 72.0	--	--	--	--	--	--	0	--	--	--	--	--	--
BBMW-09I	30.0 - 40.0	--	--	--	--	--	--	0	--	--	--	--	--	--
BBMW-09S	5.0 - 15.0	--	--	--	--	--	--	99	--	99	53	0	0	0
BBMW-28I	10.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-28S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-29	2.0 - 9.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-30D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-30I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-30S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--
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-02AD	59.8 - 74.8	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AI	35.24 - 50.24	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AS	8.91 - 23.91	--	--	--	--	--	--	--	--	--	--	--	--	--
IO-10	6.0 - 16.0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-01D	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-01S	4.0 -14.0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-02I/I-R	22.5 - 23.5	--	--	--	--	--	--	--	--	--	--	--	--	0
MW-02S/S-R	2.0 - 12.0	--	--	--	--	1,595	1,583	1,367	10,830	6,440	2,542	1,800	1,300	1,500
MW-03	4.94 - 14.94	--	--	--	--	--	103	85	--	89	50	0	45	42
MW-04	5.1 - 15.1	--	--	--	--	--	--	90	--	99	--	0	53	130
MW-11W	2.0 - 10.0	265	363	159	156	--	246	--	225	145	22	21	35	11
MW-12W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16I	14.0 - 19.0	--	--	--	--	--	--	--	0	--	--	--	--	0
MW-16SR	2.0 - 10.0	--	--	77	38,045	6,557	3,414	1,558	2,430	6,140	214	72	590	649
MW-16W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-26D	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-29D	14.0 - 19.0	--	--	--	--	--	--	--	0	--	--	--	--	--
MW-29S	5.0 - 10.0	0	0	0	0	--	--	--	0	0	0	0	0	0
MW-30W/W-R	2.0 - 10.0	228	229	4	125	--	55	--	0	8	2	--	--	--
MW-32W/W-R	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	11	130
MW-34D	27.5 - 28.5	--	--	--	--	--	--	--	0	--	--	--	0	96
MW-34I	18.5 - 19.5	--	--	--	--	--	--	--	22	--	--	--	--	--
MW-34S	2.0 - 10.0	130	0	30	1	--	0	--	85	0	22	27	130	30
MW-45W	2.0 - 10.0	1,676	11	0	6	--	--	52	2	64	0	--	49	38
MW-46W/W-R	2.0 - 10.0	0	21	--	--	--	--	--	--	--	380	690	264	160
MW-64	19.0 - 24.0	14	2	--	50	--	--	0	1	9	0	1,600	0	0
MW-65	11.0 - 16.0	34	4	--	228	--	--	0	0	0	38	0	65	0
MW-66D	24.0 - 29.0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-66S	1.5 - 11.5	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-68D	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-70/70S	2.0 - 12.0	2	1	0	4	--	7	--	4	3	0	200	18	32
MW-73	2.0 - 12.0	--	--	--	--	1,471	223	213	738	1,336	280	--	940	1,557
MW-75	2.0 - 12.0	--	--	--	73	153	93	100	2,553	2,863	58	0	1,700	1,490
MW-76	2.0 - 12.0	--	--	--	--	142	105	101	116	115	58	--	15	120
MW-78	5.0 - 20.0	--	--	--	--	1,439	371	278	161	735	66	550	692	958
MW-79	5.0 - 20.0	--	--	--	--	--	120	106	6,015	2,911	234	2,000	1,100	1,380
MW-80	5.0 - 20.0	--	--	--	--	1,511	88	2,316	152	1,426	53	1,100	1,178	1,700
MW-81	5.0 - 20.0	--	--	--	--	--	118	129	2,345	1,382	101	780	2,100	1,611
MW-82	5.0 - 20.0	--	--	--	--	245	138	83	2,784	3,090	49	390	570	810
MW-83	5.0 - 20.0	--	--	--	--	116	98	108	108	180	180	0	14	29
MWBS-01S	5.0 - 15.0	--	--	--	--	--	--	0	--	--	--	--	--	--
MWBS-02D	24.5 - 25.5	--	--	--	--	--	--	--	0	--	--	0	--	--
MWBS-02I	14.5 - 15.5	576	513	122	3	--	4	--	2	8	0	0	--	--
MWBS-02S	5.0 - 15.0	242	39	2	84	--	164	--	0	0	0	0	18	24
MW-UST1	2.0 - 12.0	--	--	--	--	--	247	216	--	112	979	230	96	344
MW-UST2	2.0 - 12.0	--	--	--	--	--	263	330	--	101	53	140	357	227
MW-UST3	2.0 - 12.0	--	--	--	--	--	92	134	--	105	--	0	14	25
PDMW-01	5.0 - 20.0	--	--	--	--	1,538	1,432	1,431	--	--	2,188	13,000	0	0
PDMW-02	5.0 - 20.0	--	--	--	--	1,929	2,181	1,933	5,848	3,250	--	--	1,130	1,714
SV-02	2.0 - 12.0	--	--	--	--	95	112	99	99	186	103	0	430	515
SV-03	2.0 - 12.0	--	--	--	--	332	95	108	297	279	49	190	280	548

Table 4-7
Summary of Historic Total PAH Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Report
Operable Unit No. 3 (OU-3)

Well No.	Screen Interval (feet)	Total PAH Groundwater Concentrations (ug/L)											
		Sampling Date											
		2004				2005				2006			
		Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	June	August	Nov/Dec	March	June	Jul/Aug	Nov/Dec
BBMW-09D	62.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-09I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-09S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0
BBMW-28I	10.0 - 20.0	--	--	--	--	0	0	0	0	--	--	--	--
BBMW-28S	2.0 - 12.0	--	--	--	--	0	0	68	0	--	--	--	--
BBMW-29	2.0 - 9.0	--	--	--	--	0	0	0	170	120	37	0	0
BBMW-30D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-30I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-30S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-33	7.0 - 12.0	--	--	--	--	--	--	--	--	0	0	0	0
BW-UST-10	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	0
BW-UST-11	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	0
BW-UST-28	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BW-UST-29	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AD	59.8 - 74.8	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AI	35.24 - 50.24	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AS	8.91 - 23.91	--	--	--	--	--	--	--	--	--	--	--	--
IO-10	6.0 - 16.0	--	625	0	0	937	91	350	0	0	0	0	0
MW-01D	35.0 - 45.0	--	--	--	--	--	--	--	--	--	0	263	0
MW-01S	4.0 -14.0	--	--	--	0	--	--	--	0	--	0	0	0
MW-02I/I-R	22.5 - 23.5	0	--	--	--	0	--	--	--	0	--	--	--
MW-02S/S-R	2.0 - 12.0	2,400	2060	254	0	14	0	0	0	0	0	0	0
MW-03	4.94 - 14.94	26	19	43	19	21	34	40	57	0	28	35	34
MW-04	5.1 - 15.1	0	0	0	0	0	0	0	0	0	0	0	0
MW-11W	2.0 - 10.0	0	1729	0	110	0	10	0	27	15	18	0	19
MW-12W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-16I	14.0 - 19.0	0	--	--	--	57	--	--	--	0	--	--	--
MW-16SR	2.0 - 10.0	0	0	1,022	2,068	3,500	3,900	3,611	1,280	2,183	1,870	1,056	676
MW-16W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-17W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-26D	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-29D	14.0 - 19.0	0	--	--	0	--	--	--	0	--	--	--	--
MW-29S	5.0 - 10.0	0	0	0	0	0	0	0	0	0	0	0	0
MW-30W/W-R	2.0 - 10.0	--	--	--	--	0	0	0	0	0	0	0	0
MW-32W/W-R	2.0 - 10.0	0	0	370	877	55	59	0	180	110	89	98	100
MW-34D	27.5 - 28.5	0	--	--	--	0	--	--	--	0	--	--	--
MW-34I	18.5 - 19.5	496	--	--	--	290	--	--	--	0	--	--	--
MW-34S	2.0 - 10.0	160	130	49	210	212	52	67	110	461	397	210	140
MW-45W	2.0 - 10.0	170	699	65	341	723	180	424	561	895	74	40	233
MW-46W/W-R	2.0 - 10.0	--	150	589	443	1,048	972	1,200	1,045	544	50	233	192
MW-64	19.0 - 24.0	0	0	0	120	0	318	0	0	0	0	0	0
MW-65	11.0 - 16.0	37	0	0	502	0	0	0	0	0	0	0	0
MW-66D	24.0 - 29.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-66S	1.5 - 11.5	--	--	--	--	--	--	--	--	--	--	--	--
MW-68D	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-70/70S	2.0 - 12.0	18	46	260	0	0	170	556	57	91	0	11	13
MW-73	2.0 - 12.0	843	1,470	1,500	1,030	956	829	1,290	1,800	575	669	1,100	545
MW-75	2.0 - 12.0	60	0	387	0	22	1,350	2,890	384	100	56	55	0
MW-76	2.0 - 12.0	0	--	0	0	47	0	0	0	14	0	0	0
MW-78	5.0 - 20.0	585	707	85	22	463	1,160	493	0	445	493	616	0
MW-79	5.0 - 20.0	2,000	0	1,200	661	1,400	790	522	104	281	103	41	0
MW-80	5.0 - 20.0	2,500	1,600	1,390	1,370	2,400	2,200	2,300	1,080	1,200	694	258	1,480
MW-81	5.0 - 20.0	1,714	--	1,112	1,100	1,700	100	1,210	434	487	274	2,700	807
MW-82	5.0 - 20.0	733	--	19	995	233	358	488	1,571	1,140	837	1,137	150
MW-83	5.0 - 20.0	0	--	0	76	140	0	150	25	0	0	230	0
MWBS-01S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
MWBS-02D	24.5 - 25.5	64	--	--	--	0	--	--	--	16	--	--	--
MWBS-02I	14.5 - 15.5	--	--	0	0	0	0	0	0	0	0	0	0
MWBS-02S	5.0 - 15.0	160	75	25	0	150	41	0	0	0	0	0	0
MW-UST1	2.0 - 12.0	0	221	568	52	55	260	392	373	140	520	541	260
MW-UST2	2.0 - 12.0	0	167	575	353	621	373	361	208	265	457	227	120
MW-UST3	2.0 - 12.0	33	0	0	16	26	0	0	0	0	12	0	0
PDMW-01	5.0 - 20.0	0	0	0	71	0	0	0	0	0	0	0	0
PDMW-02	5.0 - 20.0	2,300	2,463	1,918	2,316	2,616	2,312	2,716	2,416	2,013	2,420	2,119	3,022
SV-02	2.0 - 12.0	0	--	0	0	0	39	190	324	0	0	35	0
SV-03	2.0 - 12.0	536	--	150	130	80	33	0	0	96	57	0	0

Table 4-7
Summary of Historic Total PAH Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Report
Operable Unit No. 3 (OU-3)

Well No.	Screen Interval (feet)	Total PAH Groundwater Concentrations (ug/L)										
		Sample Date										
		2007				2008		Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		March	May-July	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun					
BBMW-09D	62.0 - 72.0	0	--	0	--	0	--	0	0	0	0	0
BBMW-09I	30.0 - 40.0	150	--	0	--	0	--	0	150	30	0	150
BBMW-09S	5.0 - 15.0	0	0	0	0	0	0	0	99	10	0	99
BBMW-28I	10.0 - 20.0	0	0	0	0	0	0	0	0	0	0	0
BBMW-28S	2.0 - 12.0	0	0	0	0	0	0	0	68	8	0	68
BBMW-29	2.0 - 9.0	0	252	0	0	0	0	0	252	45	0	252
BBMW-30D	30.0 - 35.0	--	0	0	0	0	--	0	0	0	0	0
BBMW-30I	14.0 - 19.0	--	0	4	0	0	--	0	4	1	0	4
BBMW-30S	2.0 - 10.0	--	0	0	0	0	--	0	0	0	0	0
BBMW-31D	30.0 - 35.0	--	0	0	0	0	--	0	0	0	0	0
BBMW-31I	14.0 - 19.0	--	0	4	0	0	--	0	4	1	0	4
BBMW-31S	2.0 - 10.0	--	0	0	0	0	--	0	0	0	0	0
BBMW-32D	30.0 - 35.0	--	0	0	0	0	--	0	0	0	0	0
BBMW-32I	14.0 - 19.0	--	0	0	0	0	--	0	0	0	0	0
BBMW-32S	2.0 - 10.0	--	0	1	1	0	--	0	1	1	0	1
BBMW-33	7.0 - 12.0	0	0	0	0	0	0	0	0	0	0	0
BW-UST-10	5.0 - 10.0	0	0	69	0	0	0	0	69	12	0	69
BW-UST-11	5.0 - 10.0	0	0	68	0	0	1	0	68	11	0	68
BW-UST-28	5.0 - 10.0	--	0	0	0	2	0	0	2	1	0	2
BW-UST-29	5.0 - 10.0	--	0	0	0	0	0	0	0	0	0	0
GM-02AD	59.8 - 74.8	--	--	--	--	--	--	0	0	0	0	0
GM-02AI	35.24 - 50.24	--	--	--	--	--	--	0	0	0	0	0
GM-02AS	8.91 - 23.91	--	--	--	--	--	--	0	0	0	0	0
IO-10	6.0 - 16.0	100	0	0	18	0	4	0	937	133	0	937
MW-01D	35.0 - 45.0	0	0	0	0	2	--	0	263	24	0	263
MW-01S	4.0 -14.0	0	0	0	0	0	0	0	0	0	0	0
MW-02I/I-R	22.5 - 23.5	0	0	0	0	0	0	0	6,478	351	0	6,478
MW-02S/S-R	2.0 - 12.0	0	0	0	0	0	0	0	21,640	2,839	0	21,640
MW-03	4.94 - 14.94	35	11	56	0	12	0	0	103	38	0	103
MW-04	5.1 - 15.1	0	0	1	0	0	0	0	130	19	0	130
MW-11W	2.0 - 10.0	0	0	5	1	2	0	0	861	132	0	861
MW-12W	2.0 - 10.0	0	0	0	0	0	0	0	0	0	0	0
MW-16I	14.0 - 19.0	0	44	0	0	0	0	0	57	6	0	57
MW-16SR	2.0 - 10.0	842	232	280	579	922	355	0	38,045	3,225	0	38,045
MW-16W	2.0 - 10.0	--	--	--	--	--	--	3	3	3	3	3
MW-17W	2.0 - 10.0	--	--	--	--	--	--	11	11	11	11	11
MW-26D	14.0 - 19.0	--	--	--	--	3	0	3	3	3	0	3
MW-29D	14.0 - 19.0	0	0	0	0	0	--	0	2	0	0	2
MW-29S	5.0 - 10.0	0	0	0	0	0	--	0	516	15	0	516
MW-30W/W-R	2.0 - 10.0	0	0	0	0	0	0	0	1,300	118	0	1,300
MW-32W/W-R	2.0 - 10.0	97	45	47	116	143	38	0	1,435	258	0	1,435
MW-34D	27.5 - 28.5	0	0	0	6	0	0	0	96	6	0	96
MW-34I	18.5 - 19.5	0	0	0	124	12	0	0	496	66	0	496
MW-34S	2.0 - 10.0	150	68	110	402	81	186	0	1,604	320	0	1,604
MW-45W	2.0 - 10.0	--	0	10	9	0	0	0	1,676	238	0	1,676
MW-46W/W-R	2.0 - 10.0	37	71	47	74	102	24	0	4,156	628	0	4,156
MW-64	19.0 - 24.0	0	0	0	0	0	0	0	1,600	59	0	1,600
MW-65	11.0 - 16.0	0	0	0	0	0	0	0	502	30	0	502
MW-66D	24.0 - 29.0	0	0	0	0	0	0	0	2	0	0	2
MW-66S	1.5 - 11.5	0	0	0	1	0	0	0	1	0	0	1
MW-68D	25.0 - 30.0	--	--	--	--	--	--	0	3	1	0	3
MW-70/70S	2.0 - 12.0	0	0	10	13	39	25	0	1,720	112	0	1,720
MW-73	2.0 - 12.0	497	345	495	1189	444	105	213	1,800	893	105	1,800
MW-75	2.0 - 12.0	0	0	180	47	0	0	0	2,890	541	0	2,890
MW-76	2.0 - 12.0	0	0	0	0	0	0	0	142	35	0	142
MW-78	5.0 - 20.0	0	46	40	31	0	0	0	1,439	401	0	1,439
MW-79	5.0 - 20.0	140	0	0	0	90	1	0	6,015	848	0	6,015
MW-80	5.0 - 20.0	831	601	884	1173	277	509	53	2,500	1,222	53	2,500
MW-81	5.0 - 20.0	1,068	448	1,130	1508	480	0	100	2,700	1,035	0	2,700
MW-82	5.0 - 20.0	234	286	127	306	0	1	0	3,090	671	0	3,090
MW-83	5.0 - 20.0	0	0	0	2	0	0	0	230	58	0	230
MWBS-01S	5.0 - 15.0	--	--	--	--	--	--	0	64	22	0	64
MWBS-02D	24.5 - 25.5	22	0	0	0	0	0	0	254	32	0	254
MWBS-02I	14.5 - 15.5	10	0	0	0	0	0	0	696	101	0	696
MWBS-02S	5.0 - 15.0	0	0	0	0	0	7	0	274	60	0	274
MW-UST1	2.0 - 12.0	358	363	239	140	--	--	0	979	292	0	979
MW-UST2	2.0 - 12.0	155	59	450	550	--	--	0	621	279	0	621
MW-UST3	2.0 - 12.0	0	0	0	0	--	--	0	134	21	0	134
PDMW-01	5.0 - 20.0	0	0	0	1464	0	0	0	13,000	880	0	13,000
PDMW-02	5.0 - 20.0	2,716	2,520	1,241	1976	3025	2226	1,130	5,848	2,421	1,130	5,848
SV-02	2.0 - 12.0	0	0	133	0	0	3	0	515	94	0	515
SV-03	2.0 - 12.0	17	0	31	72	17	0	0	548	136	0	548

NOTES:

-- = Not Analyzed/Applicable

ug/L - Micrograms per liter

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.

Peristaltic pump results are shown on this table.

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

Operable Unit: Well ID: Screened Interval (feet): Date Sampled:	NYS AWQS	OU3 BBMW-09S 5-15 6/5/2008	OU3 MW-02IR 12-24 5/9/2008	OU3 MW-02SR 2-12 5/14/2008	OU3 MW-03 4.94-14.94 5/5/2008	OU3 MW-04 4.1-15.1 6/23/2008	OU3 MW-16I 14-19 5/19/2008	OU3 MW-16SR 2-10 5/14/2008	OU3 MW-45W 2-10 5/19/2008	OU3 MW-64 19-24 6/3/2008
BTEX (ug/L)										
Benzene	1	10 U	10 U	10 U	10 U	10 U	10 U	**100**	**1000**	10 U
Toluene	5	10 U	10 U	**1 J**	10 U	10 U	**1 J**	**2600**	**1200**	10 U
Ethylbenzene	5	10 U	10 U	10 U	**5 J**	10 U	10 U	**810**	**990**	10 U
Xylene, total	5	10 U	10 U	10 U	10 U	10 U	**16**	**8200**	**2500**	10 U
Total BTEX	NE	ND	ND	**1**	**5**	ND	**17**	**11710**	**5690**	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
Non-carcinogenic PAHs (ug/L)										
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U
Methylnaphthalene,2-	NE	10 U	10 U	10 U	10 U	10 U	10 U	**15**	10 UJ	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	**340**	10 UJ	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U
Total Noncarcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	**355**	ND	ND
Carcinogenic PAHs (ug/L)										
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)										
Total PAHs	NE	ND	ND	ND	ND	ND	ND	**355**	ND	ND

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

Operable Unit: Well ID: Screened Interval (feet): Date Sampled:	NYS AWQS	OU3 MW-65 11-16 5/21/2008	OU3 MW-73 2-12 5/5/2008	OU3 MW-75 2-12 6/11/2008	OU3 MW-76 2-12 6/2/2008	OU3 MW-78 5-20 5/6/2008	OU3 MW-79 5-20 5/9/2008	OU3 MW-80 5-20 6/2/2008	OU3 MW-81 5-20 6/4/2008	OU3 MW-82 5-20 6/5/2008
BTEX (ug/L)										
Benzene	1	10 U	**1700**	**62**	10 U	**30**	**4 J**	**1300**	**10**	**4 J**
Toluene	5	10 U	**770**	**390**	10 U	**27**	**7 J**	**5600**	**260**	**710**
Ethylbenzene	5	10 U	**1100**	**600**	10 U	**20**	**5 J**	**4800**	**140**	**240**
Xylene, total	5	10 U	**2400**	**750**	10 U	**90**	**16**	**7000**	**670**	**1300**
Total BTEX	NE	ND	**5970**	**1802**	ND	**167**	**32**	**18700**	**1080**	**2254**
Other VOCs (ug/L)										
Methyl tert-butyl ether	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Non-carcinogenic PAHs (ug/L)										
Acenaphthene	20*	10 U	**1 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	**2 J**	10 U	10 U	10 U	10 U	10 U	10 U	**1 J**
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylnaphthalene,2-	NE	10 U	**23**	10 U	10 U	10 U	10 U	**29**	10 U	10 U
Naphthalene	10*	10 U	**79**	10 U	10 U	10 U	**1 J**	**480**	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total Noncarcinogenic PAHs	NE	ND	**105**	ND	ND	ND	**1**	**509**	ND	**1**
Carcinogenic PAHs (ug/L)										
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	0	0	0	ND	ND
Total PAHs (ug/L)										
Total PAHs	NE	ND	**105**	ND	ND	ND	**1**	**509**	ND	**1**

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

Operable Unit: Well ID: Screened Interval (feet): Date Sampled:	NYS AWQS	OU3 MW-83 5-20 5/21/2008	OU3 MWBS-02D 24.5-25.5 5/15/2008	OU3 MWBS-02I 14.5-15.5 5/13/2008	OU3 PDMW-01 5-20 5/13/2008	OU3 PDMW-02 5-20 5/13/2008	OU3 SV-03 2-12 6/2/2008
BTEX (ug/L)							
Benzene	1	10 U	10 U	10 U	10 U	**260 J**	**3 J**
Toluene	5	10 U	10 U	10 U	10 U	**26000**	**14**
Ethylbenzene	5	10 U	10 U	10 U	10 U	**7000**	**260 J**
Xylene, total	5	10 U	10 U	10 U	10 U	**32000**	**200**
Total BTEX	NE	ND	ND	ND	ND	**65260**	**477**
Other VOCs (ug/L)							
Methyl tert-butyl ether	10*	10 U	10 U	10 U	10 U	10 U	**3 J**
Non-carcinogenic PAHs (ug/L)							
Acenaphthene	20*	10 U	10 U	10 U	10 U	**1 J**	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	**13**	10 U
Anthracene	50*	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	**2 J**	10 U
Methylnaphthalene,2-	NE	10 U	10 U	10 U	10 U	**210 J**	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	**2000**	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 Noncarcinogenic PAHs	NE	ND	ND	ND	ND	**2226**	ND
Carcinogenic PAHs (ug/L)							
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)							
Total PAHs	NE	ND	ND	ND	ND	**2226**	ND

NOTES:
BTEX - benzene, toluene, ethylbenzene, and xylene (a subset of VOCs)
VOCs - volatile organic compounds
PAHs - polycyclic aromatic hydrocarbons
ug/L - micrograms per liter or parts per billion (ppb)
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
NE - not established
ND - not detected; total concentration is listed as ND because no compounds were detected in the group
Bolding indicates the compound was detected
Shading indicates an exceedance of established NYS AWQS
U - indicates not detected at or above the reporting limit shown
J - estimated value
UJ - not detected at or above the reporting limit shown and the reporting limit is estimated

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

Operable Unit:		OU3	OU3	OU3	OU3	OU3	OU3
Well ID:		BBMW-28I	BBMW-28S	BBMW-29	BBMW-33	BW-UST-10	BW-UST-11
Screened Interval (feet):		10-20	2-12	2-9	7-12	4.65-9.95	4.4-9.4
Date Sampled:	**NYS AWQS**	5/5/2008	5/5/2008	5/14/2008	5/14/2008	6/3/2008	5/9/2008
BTEX (ug/L)							
Benzene	1	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
Ethylbenzene	5	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
Xylene, o-	5	10 U	10 U	10 U	10 U	10 U	10 U
Total BTEX	NE	ND	ND	ND	ND	ND	ND
Other VOCs (ug/L)							
Acetone	50*	10 UJ	10 UJ	10 U	10 U	10 UJ	**39 J**
Butanone, 2-	50*	10 UJ	10 UJ	10 U	10 U	10 UJ	**5 J**
Chlorobenzene	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
Dichlorobenzene,1,2-	3	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,3-	3	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,4-	3	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	5	10 U	10 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
Dichloroethene, cis-1,2-	5	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene,1,1-	5	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
Methyl tert-butyl ether	10*	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	**6**	10 U
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	10 U
Tetrachloroethene	5	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
Trichloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene 1,3,5-/P-ethyltoluene	5	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene, 1,2,4-	5	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
Non-carcinogenic PAHs (ug/L)							
Acenaphthene	20*	10 U	10 U	10 U	10 UJ	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
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	**1 J**
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
Non-carcinogenic PAHs	NE	ND	ND	ND	ND	ND	**1**
Carcinogenic PAHs (ug/L)							
Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)							
Total PAHs	NE	ND	ND	ND	ND	ND	**1**

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

Operable Unit:		OU3	OU3	OU3	OU3	OU3	OU3
Well ID:		BW-UST-28	BW-UST-29	IO-10	MW-01S	MW-11W	MW-12W
Screened Interval (feet):		5-10	5-10	6-16	4-14	2-10	2-10
Date Sampled:	**NYS AWQS**	6/3/2008	6/3/2008	5/15/2008	5/5/2008	5/20/2008	5/6/2008
BTEX (ug/L)							
Benzene	1	10 U	10 U	**1 J**	10 U	**74**	10 U
Toluene	5	10 U	10 U	**3 J**	10 U	10 U	10 U
Ethylbenzene	5	10 U	10 U	**7**	10 U	**1 J**	10 U
Xylene, m,p-	5	10 U	10 U	**6 J**	10 U	**1 J**	10 U
Xylene, o-	5	10 U	10 U	**56**	10 U	**1 J**	10 U
Total BTEX	NE	ND	ND	**73**	ND	**77**	ND
Other VOCs (ug/L)							
Acetone	50*	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ
Butanone, 2-	50*	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ
Chlorobenzene	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
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	**4 J**	10 U
Dichlorodifluoromethane	5	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
Dichloroethene, cis-1,2-	5	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene,1,1-	5	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
Methyl tert-butyl ether	10*	10 U	10 U	10 U	10 U	10 U	**1 J**
Naphthalene	10*	10 U	10 U	**7**	10 U	2 UJ	10 U
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	10 U
Tetrachloroethene	5	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
Trichloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene 1,3,5-/P-ethyltoluene	5	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene, 1,2,4-	5	10 U	10 U	**2 J**	10 U	10 U	10 U
Trimethylpentane, 2,2,4-	NE	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
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	**4 J**	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
Non-carcinogenic PAHs	NE	ND	ND	**4**	ND	ND	ND
Carcinogenic PAHs (ug/L)							
Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)							
Total PAHs	NE	ND	ND	**4**	ND	ND	ND

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

Operable Unit:		OU3	OU3	OU3	OU3	OU3	OU3
Well ID:		MW-26D	MW-30WR	MW-32WR	MW-34D	MW-34I	MW-34S
Screened Interval (feet):		14-19	2-9	2-9	27.5-28.5	18.5-19.5	2-10
Date Sampled:	**NYS AWQS**	5/6/2008	5/15/2008	5/13/2008	5/16/2008	5/16/2008	5/13/2008
BTEX (ug/L)							
Benzene	1	10 U	10 U	**41**	10 U	10 U	**970**
Toluene	5	10 U	10 U	10 U	10 U	10 U	**10000**
Ethylbenzene	5	10 U	10 U	10 U	10 U	10 U	**5500**
Xylene, m,p-	5	10 U	10 U	**13**	10 U	10 U	**5900**
Xylene, o-	5	10 U	10 U	**3 J**	10 U	10 U	**3500**
Total BTEX	NE	ND	ND	**57**	ND	ND	**25870**
Other VOCs (ug/L)							
Acetone	50*	10 UJ	10 U	10 U	10 U	10 U	10 UJ
Butanone, 2-	50*	10 UJ	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	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
Dichlorobenzene,1,2-	3	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,3-	3	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,4-	3	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	5	10 U	10 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
Dichloroethene, cis-1,2-	5	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene,1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U
Isopropyl benzene	5	10 U	10 U	**10**	10 U	10 U	**59**
Methyl tert-butyl ether	10*	10 U	10 U	10 U	10 U	10 U	**1 J**
Naphthalene	10*	10 U	10 U	**81**	10 U	10 U	**300**
Propylbenzene, n-	5	10 U	10 U	10 U	10 U	10 U	**23**
Styrene	5	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U
Tetrahydrofuran	50*	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene 1,3,5-/P-ethyltoluene	5	10 U	10 U	**6 J**	10 U	10 U	**600**
Trimethylbenzene, 1,2,4-	5	10 U	10 U	**38**	10 U	10 U	**390**
Trimethylpentane, 2,2,4-	NE	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
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	**2 J**	10 U	10 U	**6**
Naphthalene	10*	10 U	10 U	**36**	10 U	10 U	**180**
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
Non-carcinogenic PAHs	NE	ND	ND	**38**	ND	ND	**186**
Carcinogenic PAHs (ug/L)							
Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)							
Total PAHs	NE	ND	ND	**38**	ND	ND	**186**

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

NOTES:
BTEX - benzene, toluene, ethylbenzene, and xylene (a subset of VOCs)
VOCs - volatile organic compounds
PAHs - polycyclic aromatic hydrocarbons
ug/L - micrograms per liter or parts per billion (ppb)
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
NE - not established
ND - not detected; total concentration is listed as ND because no compounds were detected in the group
Bolding indicates the compound was detected
Shading indicates an exceedance of established NYS AWQS
U - indicates not detected at or above the reporting limit shown
J - estimated value
UJ - not detected at or above the reporting limit shown and the reporting limit is estimated

Table 5-1
Summary of Soil Vapor Results for OU-1, OU-2 and OU-3
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Units No. 2 3

Sample Name: / Sample Date:	OU1SG06 2/6/2008	OU1SG06 4/3/2008	OU1SG06 6/18/2008	OU1SG07 2/6/2008	OU1SG07 4/3/2008	OU1SG07 6/18/2008	OU1SG08 2/7/2008	OU1SG08 6/13/2008	OU2SG01 7/21/2004	OU2SG01 10/13/2004	OU2SG01 5/5/2005	OU2SG01 8/30/2005	OU2SG01 2/1/2006	OU2SG01 6/14/2006	OU2SG01 9/7/2006	OU2SG01 2/22/2007	OU2SG01 5/24/2007	OU2SG01 7/25/2007
BTEX (ug/m3)																		
Benzene	**2.8**	0.64 U	0.64 U	**15**	0.64 U	0.64 UJ	**0.86**	0.64 UJ	**10.2**	**5.1**	**3.8**	**5.4**	**6.1**	13.4 U	**18.5**	**7.0**	**0.68 J**	**0.65 J**
Ethylbenzene	**11**	0.87 U	**0.22 J**	**5.6**	**0.36 J**	0.87 U	**0.74 J**	**1.2**	**8.7**	**7.4**	**7.4**	**17.4**	**17.4**	18.2 U	**43**	**7.6**	**7.2**	2.1 U
Toluene	**37**	**0.51 J**	**0.56 J**	**84**	**3.2**	**6.6**	**9.0**	**7.5**	**32.4**	**32.4**	**36.6**	**75.4**	**56.5**	**56.5**	**128.1**	**180**	**270**	**3.2**
Xylene, m,p-	**140**	**0.82 J**	**0.87 J**	**17**	**1.1 J**	**0.56 J**	**2.6**	**3.9**	**29.5**	**30.8**	**24.3**	**69.5**	**47.8**	**43.4**	**95.5**	**20**	**22**	4.3 U
Xylene, o-	**200**	**0.59 J**	**0.56 J**	**4.7**	**0.49 J**	0.87 U	**1.2**	**1.6**	**9.1**	**9.6**	**8.3**	**22.1**	**12.2**	18.2 U	**30.8**	**6.4**	**9.8**	2.1 U
Other VOCs (ug/m3)																		
Acetaldehyde	**13**	4.5 U	**14**	**3.1 J**	**7.2 J**	**6.4**	4.5 U	**24**	NA	NA	NA	NA	NA	NA	NA	**4.4 J**	**100 J**	**150**
Acetone	1.2 U	2.7 U	4.4 U	**5.2 J**	4.7 U	**3.2**	1.2 U	**10**	**109.3**	**104.5**	**427.6**	**109.3**	**47.5**	**641.4**	**218.5**	**74**	**24 J**	**19 J**
Acrolein (propenal)	0.46 U	**0.57 J**	**1.2**	**0.34 J**	1.2 U	0.46 U	0.46 U	**1.2**	NA	NA	NA	NA	NA	NA	NA	0.96 U	2.4 U	1.1 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	9.4 U	9.1 U	9.1 U	10 U	9.1 U	53.2 U	10 U	1.3 U	1.3 U	1.5 U
Benzothiophene	1.1 U	1.1 UJ	1.1 UJ	1.1 U	1.1 U	1.1 U	1.1 U	1.1 UJ	NA	NA	NA	NA	NA	NA	NA	12 UJ	5.6 U	2.7 U
Bromodichloromethane	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	**0.33 J**	1.3 U	5.1 U	4.8 U	4.9 U	5.4 U	4.9 U	28.1 U	5.4 U	2.8 U	2.8 U	3.3 U
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	7.9 U	7.4 U	7.5 U	8.3 U	7.5 U	43.4 U	8.3 U	4.3 U	4.2 U	5.1 U
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	3 U	2.8 U	2.8 U	3.1 U	2.8 U	16.3 U	3.1 U	1.6 U	1.6 U	1.9 U
Butadiene, 1,3-	0.44 U	0.44 U	0.44 U	**1.7 J**	0.44 U	0.44 U	0.44 U	0.44 U	1.7 U	**3.1**	**2.9**	1.8 U	1.6 U	9.3 U	**11.7**	**0.70 J**	0.91 U	1.1 U
Butane	**1.3**	0.48 U	**0.19 J**	**11**	**6.7**	**0.33 J**	**1.1**	0.48 U	NA	NA	NA	NA	NA	NA	NA	**23**	**0.77 J**	**2.8**
Butanone,2-	**9.6**	**0.52 J**	**1.0**	**1.9**	**0.56 J**	**0.74**	**1.3**	**2.9**	**14.2**	**14.2**	**32.4**	2.4 U	**8.3**	**20.9**	**29.5**	**7.5**	**12**	**5.3**
Carbon disulfide	0.62 U	**0.53 J**	2.4 U	**4.2**	**0.62**	0.75 U	**0.19 J**	**1.8 J**	**15.6**	**5**	**3.7**	2.5 U	**3.1**	13.1 U	**13.1**	**6.5**	**6.1 J**	**5.5**
Carbon tetrachloride	1.3 U	1.3 U	1.3 U	**1.3**	1.3 U	1.3 U	1.3 U	1.3 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	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	3.5 U	3.3 U	3.4 U	3.7 U	3.4 U	19.3 U	3.7 U	1.9 U	1.9 U	2.3 U
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	2 U	1.9 U	1.9 U	2.1 U	1.9 U	11.1 U	2.1 U	1.1 U	1.1 U	1.3 U
Chloroform	0.98 U	0.98 U	**0.49 J**	**1.5**	**2.2**	**4.8**	**29**	**1.8**	3.7 U	3.5 U	3.6 U	3.9 U	3.6 U	20.5 U	3.9 U	**3.6**	**1.4 J**	**1.6 J**
Chloromethane	0.41 U	0.41 U	**0.23 J**	0.41 U	**0.11 J**	**0.12 J**	0.41 U	**0.23 J**	6.2 U	6 U	6 U	6.6 U	6 U	35.1 U	6.6 U	**0.74 J**	**0.64 J**	**0.45 J**
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	NA	NA	NA	NA	NA	NA	NA	2.2 U	2.1 U	2.6 U
Cryofluorane	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	5.3 U	5 U	5.1 U	5.6 U	5.1 U	29.4 U	5.6 U	2.9 U	2.9 U	3.4 U
Cyclohexane	**18**	0.69 U	0.69 U	**2.3**	0.69 U	0.69 U	**0.21 J**	**0.38 J**	**154.9**	**7.9**	2.5 U	**3.3**	2.5 U	14.5 U	2.8 U	**31**	**28**	**1.6 J**
Decane, n-	**7.6**	**2.0**	**21**	**11**	**3.9**	**8.8**	**3.2**	**80**	NA	NA	NA	NA	NA	NA	NA	**2.4**	**13**	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	6.5 U	6.1 U	6.2 U	6.8 U	6.2 U	35.8 U	6.8 U	3.6 U	3.5 U	4.2 U
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	5.8 U	5.5 U	5.6 U	6.1 U	5.6 U	32.3 U	6.1 U	3.2 U	3.2 U	3.8 U
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	4.6 U	4.3 U	4.4 U	4.8 U	4.4 U	25.3 U	4.8 U	2.5 U	2.5 U	3 U
Dichlorobenzene,1,3-	**7.0**	**0.50 J**	**2.8**	**7.7**	**1.5**	**1.2**	**2.3**	**13**	4.6 U	4.3 U	4.4 U	4.8 U	4.4 U	25.3 U	4.8 U	2.5 U	2.5 U	3 U
Dichlorobenzene,1,4-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	**0.96 J**	4.6 U	4.3 U	4.4 U	4.8 U	4.4 U	25.3 U	4.8 U	2.5 UJ	**5**	**1.6 J**
Dichlorodifluoromethane	**2.3**	**2.0**	**2.9**	**1.0**	**2.9**	**2.5**	**2.3**	**3.3**	3.8 U	3.6 U	3.6 U	4 U	3.6 U	20.8 U	4 U	**2.5**	**2.8**	**2.5**
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	3.1 U	2.9 U	3 U	3.2 U	3 U	17 U	3.2 U	1.7 U	1.7 U	2 U
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	3.1 U	2.9 U	3 U	3.2 U	3 U	17 U	3.2 U	1.7 U	1.7 U	2 U
Dichloroethene, cis-1,2-	0.79 U	0.79 U	**0.52 J**	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	3 U	2.9 U	2.9 U	3.2 U	2.9 U	16.7 U	3.2 U	1.7 U	1.6 U	2 U
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	3 U	2.9 U	2.9 U	3.2 U	2.9 U	16.7 U	3.2 U	1.7 U	1.6 U	2 U
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	3.5 U	3.3 U	3.4 U	3.7 U	3.4 U	19.4 U	3.7 U	1.9 U	1.9 U	2.3 U
Dichloropropene, cis-1,3	0.91 U	0.91 UJ	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	3.4 U	3.3 U	3.3 U	3.6 U	3.3 U	19.1 U	3.6 U	1.9 U	1.9 U	2.2 U
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	3.4 U	3.3 U	3.3 U	3.6 U	3.3 U	19.1 U	3.6 U	1.9 U	1.9 U	2.2 U
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	10.8 U	10.5 U	10.5 U	11.5 U	10.5 U	61.3 U	11.5 U	3.8 U	1.5 U	1.8 U
Dodecane, n-	**4.9**	**1.7**	**19 J**	**2.2**	**3.3**	**12 J**	**1.2 J**	**40 J**	NA	NA	NA	NA	NA	NA	NA	**0.73 J**	**30**	**1.6 J**
Ethanol	1.9 U	**4.2 J**	**7.8**	**38**	**12**	**3.2**	**2.2**	**44**	**64.1**	**5.8**	**244.9 J**	6 U	**22.6**	**90.4**	**111.2**	**85**	**4.9**	**20**
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	NA	NA	NA	NA	NA	NA	NA	1.9 U	1.9 U	2.3 U
Ethyltoluene, p-	**35**	0.98 U	**0.29 J**	**1.2**	0.98 U	0.98 U	**0.54 J**	**0.84 J**	**8.8**	**9.8**	**7.9**	**21.6**	**6.9 J**	20.6 U	**25.6**	**1.1 J**	**1.9 J**	2.4 U
Heptane, n-	**25**	0.82 UJ	0.82 UJ	**53**	0.82 UJ	**0.20 J**	**1.9**	**3.5**	**122.9**	**4.1**	**3.5**	**8.6**	**4.9**	17.2 U	**18**	**8.1**	1.7 U	2 U
Hexachlorobutadiene	2.1 U	2.1 U	2.1 UJ	2.1 U	2.1 UJ	2.1 U	2.1 U	2.1 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	5.2 U
Hexane, n-	**10**	0.70 U	0.70 U	**25**	0.70 U	0.70 U	**0.53 J**	**0.21 J**	**33.5**	**8.1**	**5.3**	**7.4**	**4.6**	14.8 U	**20.4**	**280**	**13**	**0.83 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	12.3 U	11.9 U	11.9 U	13.1 U	11.9 U	69.6 U	13.1 U	4.3 U	1.7 U	**0.54 J**
Indan	**20**	0.97 U	0.97 U	**0.48 J**	0.97 U	0.97 U	**0.39 J**	**1.1**	ND	ND	NA	NA	NA	NA	15.5 U	**1.0 J**	**2**	2.4 U
Indene	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	**0.38 J**	ND	ND	NA	NA	NA	NA	15.2 U	2.0 U	2 U	2.3 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	3.7 U	3.5 U	3.6 U	3.9 U	3.6 U	20.6 U	3.9 U	NA	NA	NA
Methyl tert-butyl ether	0.72 U	0.72 U	0.72 U	**0.76**	0.72 U	0.72 U	0.72 U	0.72 UJ	2.7 U	2.6 U	2.6 U	**4.7**	2.6 U	15.1 U	2.9 U	1.5 U	1.5 U	1.8 U
Methyl-2-pentanone,4-	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	**0.53 J**	0.82 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	2 U
Methylene chloride	1.7 UJ	1.7 U	1.7 UJ	**0.80 J**	1.7 U	1.7 U	**0.49 J**	2.5 U	2.6 UJ	2.5 U	2.5 U	2.8 U	2.5 U	14.6 U	2.8 U	**5.0 J**	**27**	1.7 U
Methylnaphthalene,1-	**0.35 J**	1.2 UJ	2.9 UJ	**0.41 J**	1.2 UJ	2.9 U	1.2 U	**0.41 J**	NA	NA	NA	NA	NA	NA	NA	30 U	30 U	2.9 U
Methylnaphthalene,2-	**0.64 J**	1.2 UJ	2.9 UJ	**0.46 J**	1.2 UJ	2.9 UJ	1.2 U	**0.93 J**	NA	NA	NA	NA	NA	NA	NA	30 U	12 U	36 UJ
Methylthiophene, 2-	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	NA	NA	NA	NA	NA	NA	NA	1.7 U	1.6 U	2 U
Methylthiophene, 3-	0.80 UJ	0.80 U	0.80 U	0.80 UJ	0.80 U	0.80 U	0.80 UJ	0.80 U	NA	NA	NA	NA	NA	NA	NA	1.7 U	1.6 U	2 U
Naphthalene	**2.0**	1.0 U	**0.73 J**	**0.37 J**	**0.27 J**	**0.26 J**	1.0 U	**1.9**	15.7 U	15.2 U	15.2 UJ	**26.2**	15.2 U	89.1 UJ	16.8 U	5.5 U	**2.3**	2.6 U
Nonane	**8.7**	1.0 U	**0.58 J**	**7.8**	**0.38 J**	**0.26 J**	**1.5**	**2.0**	NA	NA	NA	NA	NA	NA	NA	**2.8**	**2.2**	2.6 U

Table 5-1
Summary of Soil Vapor Results for OU-1, OU-2 and OU-3
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Units No. 2 3

Sample Name:	OU1SG06	OU1SG06	OU1SG06	OU1SG07	OU1SG07	OU1SG07	OU1SG08	OU1SG08	OU2SG01	OU2SG01	OU2SG01	OU2SG01	OU2SG01	OU2SG01	OU2SG01	OU2SG01	OU2SG01	OU2SG01
Sample Date:	2/6/2008	4/3/2008	6/18/2008	2/6/2008	4/3/2008	6/18/2008	2/7/2008	6/13/2008	7/21/2004	10/13/2004	5/5/2005	8/30/2005	2/1/2006	6/14/2006	9/7/2006	2/22/2007	5/24/2007	7/25/2007
Other VOCs Continued (ug/m3)																		
Octane, n-	**19**	**1.5**	**65**	**12**	**2.8**	**25**	**0.89 J**	**550**	NA	NA	NA	NA	NA	NA	NA	**3.0**	1.9 U	2.3 U
Pentane	0.59 U	0.59 U	0.59 U	**16**	**0.56 J**	0.59 U	**0.62**	0.59 U	NA	NA	NA	NA	NA	NA	NA	**20**	1.2 U	**2.3**
Propanol,2-	0.49 UJ	**1.0 J**	1.3 UJ	**76 J**	**2.7**	**2.8 J**	**6.2 J**	**5.2 J**	7.4 U	7.1 U	**14.5**	7.9 U	7.1 U	**68.8**	**8.8**	**7.4**	**2 J**	**5.1**
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	3.7 U	3.5 U	3.6 U	**4.9**	3.6 U	20.6 U	**6.4**	NA	NA	NA
Styrene	**0.89**	0.85 U	**0.51 J**	**0.47 J**	0.85 U	0.85 U	0.85 U	**0.68 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	2.1 U
t-Butyl alcohol	0.61 U	0.61 U	0.61 U	0.61 U	**0.18 J**	0.61 U	0.61 U	0.61 U	NA	NA	NA	NA	NA	NA	NA	1.3 U	1.2 U	**0.97 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	5.2 U	4.9 U	5 U	5.5 U	5 U	28.8 U	5.5 U	2.9 U	2.8 U	3.4 U
Tetrachloroethene	**16**	**13**	**44**	**32**	**14**	**17**	**3.3**	**3.0**	**5.2**	**26.5**	5 U	**8.1**	**9.5**	**43.4**	**19**	**9.4**	**10**	**0.88 J**
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	2.2 U	2.1 U	2.2 U	**2.7**	**2.5**	12.4 U	**2.7**	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	**31**	**0.32 J**	1.1 UJ	**0.88 J**	1.1 U	**0.49 J**	**0.44 J**	**3.9 J**	NA	NA	NA	NA	NA	NA	NA	2.3 U	**4.2 J**	14 U
Thiophene	0.69 U	0.69 U	0.69 UJ	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	NA	NA	NA	NA	NA	NA	NA	1.4 U	1.4 U	1.7 U
Trans-1,2-dichloroethene	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	3 U	2.9 U	2.9 U	3.2 U	2.9 U	16.7 U	3.2 U	1.7 U	1.6 U	2 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	1.5 U	**0.44 J**	**0.69 J**	**0.77 J**	**0.70 J**	1.5 U	**0.61 J**	**1.1 J**	5.8 U	5.5 U	5.6 U	6.1 U	5.6 U	32.2 U	6.1 U	3.2 U	3.1 U	3.8 U
Trichlorobenzene,1,2,4-	1.5 U	1.5 U	1.5 UJ	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	22.3 U	21.5 U	21.5 U	23.7 U	21.5 U	126.2 U	23.7 UJ	3.1 UJ	3 U	3.6 U
Trichloroethane,1,1,1-	**0.27 J**	1.1 U	**1.1**	**0.82 J**	1.1 U	**0.55 J**	**0.49 J**	**2.3**	4.1 U	3.9 U	4 U	4.4 U	4 U	22.9 U	4.4 U	2.3 U	2.2 UJ	2.7 U
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	4.1 U	3.9 U	4 U	4.4 U	4 U	22.9 U	4.4 U	2.3 U	2.2 U	2.7 U
Trichloroethene	**0.59 J**	**0.71 J**	**2.0**	**0.86 J**	1.1 U	1.1 U	1.1 U	1.1 U	4.1 U	3.9 U	3.9 U	4.3 U	3.9 U	22.6 U	4.3 U	**0.90 J**	2.2 U	2.6 U
Trichlorofluoromethane	1.1 U	**1.2**	**1.6**	**1.4**	**2.3**	**1.5**	**1.6**	**2.0**	4.3 U	4 U	4.1 U	4.5 U	4.1 U	23.6 U	4.5 U	**1.3 J**	**1.7 J**	**1.3 J**
Trimethylbenzene,1,2,3-	**180**	**0.69 J**	**1.8**	**3.6**	**0.92 J**	**0.64 J**	**2.2**	**4.6**	NA	NA	NA	NA	NA	NA	NA	**2.0 J**	**3.6**	2.4 U
Trimethylbenzene,1,2,4-	**100**	**0.28 J**	**0.59 J**	**1.4**	**0.27 J**	0.98 U	**0.79 J**	**1.1**	**6.9**	**8.8**	**7.4**	**18.7**	**5.4**	20.6 U	**28.5 J**	**4.5**	**15 J**	2.4 U
Trimethylbenzene,1,3,5-	**76**	**0.34 J**	**0.93 J**	**1.2**	**0.36 J**	**0.29 J**	**0.83 J**	**2.2**	3.7 U	3.5 U	3.6 U	**7.4**	3.6 U	20.6 U	**8.4**	**1.6 J**	**3.4**	2.4 U
Trimethylpentane, 2,2,4-	**180**	**0.58 J**	0.93 UJ	**14**	0.93 UJ	0.93 U	**0.51 J**	**1.2**	3.6 U	3.4 U	3.4 U	**10.3**	**261.6**	**5606.4**	**453.2**	**6.9 J**	1.9 U	2.3 U
Undecane, n-	**5.4**	**0.84 J**	**3.3**	**4.9**	**2.0**	**1.3**	**1.9**	**19**	NA	NA	NA	NA	NA	NA	NA	**2.4 J**	**12**	3.1 U
Vinyl bromide	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	NA	NA	NA	NA	NA	NA	NA	1.8 U	1.8 U	2.2 U
Vinyl chloride	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	1.9 U	1.8 U	1.9 U	2 U	1.9 U	10.7 U	2 U	1.1 U	1 U	1.3 U

Table 5-1
Summary of Soil Vapor Results for OU-1, OU-2 and OU-3
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Units No. 2 3

Sample Name: / Sample Date:	OU2SG01 9/19/2007	OU2SG01 12/18/2007	OU2SG01 3/26/2008	OU2SG01 6/24/2008	OU2SG02 7/21/2004	OU2SG02 10/13/2004	OU2SG02 5/5/2005	OU2SG02 8/30/2005	OU2SG02 2/1/2006	OU2SG02 6/14/2006	OU2SG02 9/7/2006	OU2SG02 2/22/2007	OU2SG02 5/24/2007	OU2SG02 7/25/2007	OU2SG02 9/19/2007	OU2SG02 12/18/2007	OU2SG02 3/26/2008	OU2SG02 6/24/2008
BTEX (ug/m3)																		
Benzene	**0.56 J**	**0.29 J**	0.64 U	0.64 U	**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**
Ethylbenzene	2.2 U	0.87 U	0.87 U	**0.48 J**	**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**
Toluene	**1.5 J**	**0.53 J**	**0.21 J**	**0.68 J**	**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**
Xylene, m,p-	4.3 U	1.7 U	1.7 U	**1.6 J**	**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-	2.2 U	0.87 U	0.87 U	**0.69 J**	**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	**28**	1.8 U	**3.5 J**	**48**	NA	**11.9**	NA	NA	NA	NA	NA	**0.66 J**	**140 J**	**150**	**35**	1.8 U	**3.7 J**	**57**
Acetone	**7.5**	0.47 U	1.9 U	**21**	**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)	1.2 U	0.46 U	1.2 U	**0.32 J**	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	1.6 U	0.63 U	0.63 U	0.63 UJ	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	2.7 U	1.1 U	1.1 U	1.1 U	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	3.4 U	1.3 U	1.3 U	1.3 U	4.8 U	4.9 U	4.9 U	5.3 U	5.1 U	33.5 U	5.2 U	3.1 U	2.6 U	3.3 U	4.0 U	1.3 U	1.3 U	1.3 U
Bromoform	5.2 U	2.1 U	2.1 U	2.1 U	7.4 U	7.5 U	7.5 U	8.2 U	7.9 U	51.7 U	8.1 U	4.7 U	4.1 U	5 U	6.2 U	2.1 U	2.1 U	2.1 U
Bromomethane	1.9 U	0.78 U	0.78 U	0.78 U	2.8 U	2.8 U	2.8 U	3.1 U	3 U	19.4 U	3 U	1.8 U	1.5 U	1.9 U	2.3 U	0.78 U	0.78 U	0.78 U
Butadiene, 1,3-	1.1 U	0.44 U	0.44 U	0.44 U	**1.9**	1.6 U	**2.7**	1.7 U	1.7 U	11.1 U	**7.5**	1.0 U	0.87 U	1.1 U	1.3 U	0.44 U	0.44 U	0.44 U
Butane	1.2 U	**1.8**	**0.67**	**2.0**	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-	**2.4**	0.59 U	1.5 U	**1.5**	**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	**3.7**	**0.50 J**	1.2 U	**3.4**	**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	3.1 U	**0.38 J**	1.3 U	1.3 U	4.5 U	4.6 U	4.6 U	5 U	4.8 U	31.5 U	4.9 U	2.9 U	2.5 UJ	3.1 U	3.8 U	1.3 U	1.3 U	1.3 U
Chlorobenzene	2.3 U	0.92 U	0.92 U	0.92 U	3.3 U	3.4 U	3.4 U	3.6 U	3.5 U	23 U	3.6 U	2.1 U	1.8 U	2.2 U	2.8 U	0.92 U	0.92 U	0.92 U
Chloroethane	1.3 U	0.53 U	0.53 U	0.53 U	1.9 U	1.9 U	1.9 U	2.1 U	2 U	13.2 U	2.1 U	1.2 U	1 U	1.3 U	1.6 U	0.53 U	0.53 U	0.53 U
Chloroform	**0.73 J**	**0.34 J**	**0.54 J**	**1.4**	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	1.0 U	0.41 U	**0.11 J**	0.41 U	6 U	6 U	6 U	6.6 U	6.2 U	41.3 U	6.4 U	0.95 U	**0.52 J**	**0.31 J**	1.2 U	0.41 U	0.41 U	0.41 U
Chlorotoluene,2-	2.6 U	1.0 U	1.0 U	1.0 U	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	3.5 U	1.4 U	1.4 U	1.4 U	5 U	5.1 U	5.1 U	5.5 U	5.3 U	35 U	5.5 U	3.2 U	2.8 U	3.4 U	4.2 U	1.4 U	1.4 U	1.4 U
Cyclohexane	1.7 U	**0.34 J**	**0.26 J**	**0.31 J**	**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-	2.9 U	1.2 U	1.2 U	**58**	NA	NA	NA	NA	NA	NA	NA	**1.5 J**	**5.2**	**4**	3.5 U	1.2 U	1.2 U	**58**
Dibromochloromethane	4.3 U	1.7 U	1.7 U	1.7 U	6.1 U	6.2 U	6.2 U	6.7 U	6.5 U	42.6 U	6.6 U	3.9 U	3.4 U	4.2 U	5.1 U	1.7 U	1.7 U	1.7 U
Dibromoethane,1,2-	3.8 U	1.5 U	1.5 U	1.5 U	5.5 U	5.6 U	5.6 U	6.1 U	5.8 U	38.4 U	6 U	3.5 U	3 U	3.8 U	4.6 U	1.5 U	1.5 U	1.5 U
Dichlorobenzene,1,2-	3.0 U	1.2 U	1.2 U	1.2 U	4.3 U	4.4 U	4.4 U	4.7 U	4.6 U	30.1 U	4.7 U	2.8 U	2.4 U	2.9 U	3.6 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene,1,3-	3.0 U	1.2 U	1.2 U	**4.8**	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-	**1.0 J**	1.2 U	**0.49 J**	**0.72 J**	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	**2.7**	**2.9**	**1.9**	**2.4**	3.6 U	3.6 U	3.6 U	3.9 U	3.8 U	24.7 U	3.9 U	**2.4**	**2.7**	**2.4 J**	**2.7 J**	**2.3**	**2.2**	**2.5**
Dichloroethane,1,1-	2.0 U	0.81 U	0.81 U	0.81 U	2.9 U	3 U	3 U	3.2 U	3.1 U	20.2 U	3.2 U	1.8 U	1.6 U	2 U	2.4 U	0.81 U	0.81 U	0.81 U
Dichloroethane,1,2-	2.0 U	0.81 U	0.81 U	0.81 U	2.9 U	3 U	3 U	3.2 U	3.1 U	20.2 U	3.2 U	1.8 U	1.6 U	2 U	2.4 U	0.81 U	0.81 U	0.81 U
Dichloroethene, cis-1,2-	2.0 U	0.79 U	0.79 U	0.79 U	2.9 U	2.9 U	2.9 U	3.1 U	3 U	19.8 U	3.1 U	1.8 U	1.6 U	1.9 U	2.4 U	0.79 U	0.79 U	0.79 U
Dichloroethene,1,1-	2.0 U	0.79 U	0.79 U	0.79 U	2.9 U	2.9 U	2.9 U	3.1 U	3 U	19.8 U	3.1 U	1.8 U	1.6 U	1.9 U	2.4 U	0.79 U	0.79 U	0.79 U
Dichloropropane,1,2-	2.3 U	0.92 U	0.92 U	0.92 U	3.3 U	3.4 U	3.4 U	3.7 U	3.5 U	23.1 U	3.6 U	2.1 U	1.8 U	2.2 U	2.8 U	0.92 U	0.92 U	0.92 U
Dichloropropene, cis-1,3	2.3 U	0.91 U	0.91 U	0.91 U	3.3 U	3.3 U	3.3 U	3.6 U	3.4 U	22.7 U	3.5 U	2.1 U	1.8 U	2.2 U	2.7 U	0.91 U	0.91 U	0.91 U
Dichloropropene, trans-1,3	2.3 U	0.91 U	0.91 U	0.91 U	3.3 U	3.3 U	3.3 U	3.6 U	3.4 U	22.7 U	3.5 U	2.1 U	1.8 U	2.2 U	2.7 U	0.91 U	0.91 U	0.91 U
Dioxane,1,4-	1.8 U	1.8 U	0.72 U	0.72 U	10.5 U	10.5 U	10.5 U	11.5 U	10.8 U	72.1 U	11.2 U	4.1 U	1.4 U	1.8 U	2.2 U	1.8 U	0.72 U	0.72 U
Dodecane, n-	3.5 U	**1.6**	**1.2 J**	**31 J**	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	**16**	2.3 U	**15**	**1.8 J**	**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-	2.3 U	0.92 U	0.92 U	0.92 U	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
Ethyltoluene, p-	2.5 U	0.98 U	0.98 U	**0.39 J**	**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-	2.0 U	0.82 U	0.82 U	**1.3 J**	**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	5.3 U	2.1 U	2.1 U	2.1 U	30.9 U	30.9 U	30.9 U	34.1 U	32 U	213.3 U	33.1 UJ	4.9 UJ	4.2 U	5.2 U	6.4 U	2.1 U	2.1 U	2.1 U
Hexane, n-	**5.3**	**0.18 J**	0.70 U	**0.92**	**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-	2.0 U	0.82 U	0.82 U	0.82 U	11.9 U	11.9 U	11.9 U	13.1 U	12.3 U	81.9 U	12.7 U	4.7 U	1.6 U	**0.86 J**	2.5 U	0.82 U	0.82 U	0.82 U
Indan	2.4 U	0.97 U	0.97 U	**0.63 J**	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	2.4 U	0.95 U	0.95 U	0.95 U	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	NA	NA	NA	NA	3.5 U	3.6 U	3.6 U	3.9 U	3.7 U	24.6 U	3.8 U	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	1.8 U	0.72 U	0.72 U	0.72 U	**3.1**	2.6 U	2.6 U	**10.1**	2.7 U	18 U	2.8 U	1.6 U	1.4 U	1.8 U	2.2 U	0.72 U	0.72 U	0.72 U
Methyl-2-pentanone,4-	2.0 U	0.82 U	0.82 U	0.82 U	**4.9**	3 U	3 U	3.2 U	3.1 U	20.5 U	3.2 U	1.9 U	1.6 U	2 U	2.5 U	0.82 U	0.82 U	0.82 U
Methylene chloride	**11**	0.69 U	1.7 U	1.7 U	2.5 UJ	2.5 U	2.5 U	2.7 U	2.6 U	17.4 U	2.7 U	3.7 U	**30**	1.7 U	**14**	0.80 U	1.7 U	1.7 U
Methylnaphthalene,1-	2.9 U	14 UJ	1.2 U	2.9 UJ	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-	2.9 U	14 U	1.2 U	2.9 UJ	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-	2.0 U	0.80 U	0.80 U	0.80 U	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-	2.0 U	0.80 U	0.80 U	0.80 U	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	2.6 U	1.0 U	1.0 UJ	**1.0 J**	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	2.6 U	1.0 U	1.0 U	**1.2**	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**

Table 5-1
Summary of Soil Vapor Results for OU-1, OU-2 and OU-3
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Units No. 2 3

Sample Name:	OU2SG01	OU2SG01	OU2SG01	OU2SG01	OU2SG02	OU2SG02	OU2SG02	OU2SG02	OU2SG02	OU2SG02	OU2SG02	OU2SG02	OU2SG02	OU2SG02	OU2SG02	OU2SG02	OU2SG02	OU2SG02
Sample Date:	9/19/2007	12/18/2007	3/26/2008	6/24/2008	7/21/2004	10/13/2004	5/5/2005	8/30/2005	2/1/2006	6/14/2006	9/7/2006	2/22/2007	5/24/2007	7/25/2007	9/19/2007	12/18/2007	3/26/2008	6/24/2008
Other VOCs Continued (ug/m3)																		
Octane, n-	2.3 U	0.93 U	0.93 U	**220**	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	**180**
Pentane	**0.44 J**	**0.86**	0.59 UJ	**1.7**	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-	**0.74 J**	0.49 U	1.2 U	1.2 UJ	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-	NA	NA	NA	NA	3.5 U	3.6 U	3.6 U	**4.5**	3.7 U	24.6 U	**6.9**	NA	NA	NA	NA	NA	NA	NA
Styrene	2.1 U	0.85 U	0.85 U	**0.47 J**	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	1.5 U	0.61 U	0.61 U	**0.27 J**	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-	3.4 U	1.4 U	1.4 U	1.4 U	4.9 U	5 U	5 U	5.4 U	5.2 U	34.3 U	5.4 U	3.1 U	2.7 U	3.4 U	4.1 U	1.4 U	1.4 U	1.4 U
Tetrachloroethene	**0.85 J**	1.4 U	**0.44 J**	**4.5**	**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	NA	NA	NA	NA	2.1 U	2.2 U	2.2 U	**2.5**	2.2 U	14.7 U	2.3 U	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	2.7 U	1.1 U	1.1 U	**3.2 J**	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	1.7 U	0.69 U	0.69 U	0.69 U	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	2.0 U	0.79 U	0.79 U	0.79 U	2.9 U	2.9 U	2.9 U	3.1 U	3 U	19.8 U	3.1 U	1.8 U	1.6 U	1.9 U	2.4 U	0.79 U	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.8 U	**0.61 J**	**0.39 J**	**0.54 J**	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-	3.7 U	1.5 U	1.5 U	1.5 U	21.5 U	21.5 U	21.5 U	23.7 U	22.3 U	148.4 U	23 UJ	3.4 UJ	2.9 U	3.6 U	4.4 U	1.5 U	1.5 U	1.5 U
Trichloroethane,1,1,1-	2.7 U	1.1 U	1.1 U	1.1 U	3.9 U	4 U	4 U	4.3 U	4.1 U	27.3 U	4.3 U	2.5 U	2.2 UJ	2.7 U	3.3 U	1.1 U	1.1 U	1.1 U
Trichloroethane,1,1,2-	2.7 U	1.1 U	1.1 U	1.1 U	3.9 U	4 U	4 U	4.3 U	4.1 U	27.3 U	4.3 U	2.5 U	2.2 U	**39**	3.3 U	1.1 U	1.1 U	1.1 U
Trichloroethene	2.7 U	1.1 U	1.1 U	1.1 U	3.9 U	3.9 U	3.9 U	**8.6**	4.1 U	26.9 U	4.2 U	2.5 U	2.1 U	2.6 U	3.2 U	1.1 U	1.1 U	1.1 U
Trichlorofluoromethane	**1.4 J**	**1.4**	**0.95 J**	**1.4**	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-	2.5 U	0.98 U	0.98 U	**2.9**	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-	2.5 U	0.98 U	0.98 U	**0.74 J**	**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-	2.5 U	0.98 U	0.98 U	**1.5**	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-	2.3 U	0.93 U	0.93 U	0.93 U	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-	3.2 U	**0.64 J**	**0.46 J**	**12**	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	2.2 U	0.87 U	0.87 U	0.87 U	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	1.3 U	0.51 U	0.51 U	0.51 U	1.8 U	1.9 U	1.9 U	2 U	1.9 U	12.8 U	2 U	1.2 U	1 U	1.2 U	1.5 U	0.51 U	0.51 U	0.51 U

Table 5-1
Summary of Soil Vapor Results for OU-1, OU-2 and OU-3
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Units No. 2 3

Sample Name:	OU2SG03	OU2SG03	OU2SG03	OU2SG03	OU2SG03	OU2SG03	OU2SG03	OU2SG03	OU2SG03	OU2SG03	OU2SG03	OU2SG03	OU2SG03	OU2SG04	OU2SG04	OU2SG04	OU2SG04	OU2SG04
Sample Date:	7/21/2004	10/13/2004	5/5/2005	8/30/2005	2/1/2006	6/14/2006	9/7/2006	2/22/2007	5/24/2007	9/18/2007	12/18/2007	3/26/2008	6/24/2008	5/5/2005	8/30/2005	2/1/2006	6/14/2006	9/7/2006
BTEX (ug/m3)																		
Benzene	**5.4**	**2.6**	**6.4**	**7**	**10.2**	21.1 U	**17.9**	1.4 U	**1.3**	**1.7**	0.64 U	0.64 U	**0.22 J**	**3.8**	2.5 U	**7.7**	15.7 U	**11.8**
Ethylbenzene	**10**	**5.2**	**6.9**	**23.4**	**18.7**	28.7 U	**37.3**	**0.74 J**	**5**	**5.6**	**0.69 J**	**1.8**	**2.0**	**7.8**	3.4 U	**14.3**	21.3 U	**27.8**
Toluene	**33.9**	**27.1**	**45.2**	**94.2**	**52.8**	**56.5**	**135.7**	**2.6**	**640**	**810**	**40**	**130**	**140**	**30.9**	2.9 U	**56.5**	**49**	**105.5**
Xylene, m,p-	**36**	**24.8**	**15.6**	**95.5**	**47.8**	**37.3**	**121.6**	**2.9 J**	**15**	**17**	**2.9**	**7.3**	**6.4**	**29.1**	**3.5**	**36.9**	**24.8**	**91.2**
Xylene, o-	**13.5**	**7.4**	**6.1**	**33**	**12.6**	28.7 U	**35.2**	**1.0 J**	**4.6**	**5.3**	**1.3**	**3.0**	**4.8**	**10.4**	3.4 U	**9.1**	21.3 U	**26.1**
Other VOCs (ug/m3)																		
Acetaldehyde	NA	**19.8**	NA	NA	NA	NA	NA	0.76 UJ	**72 J**	**55**	4.5 U	**9.0**	**15**	NA	NA	NA	NA	NA
Acetone	**90.3**	**128.3**	**855.2 EJ**	**522.6**	**87.9**	**1092.7**	**475.1**	**8.6**	**62 J**	**7.0**	1.0 U	**6.6 J**	**7.4**	**356.3**	**19.7**	**76**	**546.4**	**228**
Acrolein (propenal)	NA	NA	NA	NA	NA	NA	NA	0.97 U	**0.81 J**	1.1 U	0.46 U	**0.38 J**	**0.21 J**	NA	NA	NA	NA	NA
Allyl chloride	9.4 U	9.4 U	10 U	9.7 U	9.1 U	81.4 U	9.4 U	1.3 U	1.3 U	1.5 U	0.63 U	0.63 U	0.63 UJ	9.4 U	9.7 U	9.4 U	59.5 U	8.8 U
Benzothiophene	NA	NA	NA	NA	NA	NA	NA	12 UJ	5.5 U	32 U	1.1 U	1.1 U	1.1 U	NA	NA	NA	NA	NA
Bromodichloromethane	5.1 U	5.1 U	5.3 U	5.2 U	4.9 U	44.2 U	5 U	2.8 U	2.7 U	3.1 U	1.3 U	1.3 U	1.3 U	5 U	5.2 U	5 U	32.8 U	4.7 U
Bromoform	7.9 U	7.9 U	8.2 U	8.1 U	7.5 U	68.2 U	7.6 U	4.4 U	4.2 U	4.8 U	2.1 U	2.1 U	2.1 U	7.6 U	8.1 U	7.6 U	50.6 U	7.2 U
Bromomethane	3 U	3 U	3.1 U	3 U	2.8 U	25.6 U	2.9 U	1.6 U	1.6 U	1.8 U	0.78 U	0.78 U	0.78 U	2.9 U	3 U	2.9 U	19 U	2.7 U
Butadiene, 1,3-	1.7 U	1.7 U	**5.3**	**2.2**	1.6 U	14.6 U	**7.7**	0.94 U	0.89 U	1.0 U	0.44 U	0.44 U	0.44 U	**2.2**	1.7 U	1.6 U	10.8 U	**7.5**
Butane	NA	NA	NA	NA	NA	NA	NA	**1.3**	**0.57 J**	1.1 U	0.48 U	0.48 U	**0.17 J**	NA	NA	NA	NA	NA
Butanone,2-	**15**	**12.4**	**35.4**	**16.8**	**8.8**	**24.5**	**20.1**	**1.2 J**	**7.6**	1.4 U	0.59 U	**1.5**	**1.2**	**25.4**	2.3 U	**8.8**	**17.1**	**17.1**
Carbon disulfide	**5.9**	**24.9**	**2.5**	**3.7**	**4.7**	**20.9**	**8.1**	**1.2 J**	**4.1 J**	**12**	**0.50 J**	**1.8**	**12**	**17.1**	**8.4**	2.3 U	15.3 U	**14.9**
Carbon tetrachloride	4.8 U	4.8 U	5 U	4.9 U	4.6 U	41.5 U	4.7 U	2.7 U	2.5 UJ	2.9 U	1.3 U	1.3 U	1.3 U	4.7 U	4.9 U	4.7 U	30.8 U	4.4 U
Chlorobenzene	3.5 U	3.5 U	3.6 U	3.6 U	3.4 U	30.4 U	3.4 U	2.0 U	1.9 U	2.2 U	0.92 U	0.92 U	0.92 U	3.4 U	3.6 U	3.4 U	22.6 U	3.2 U
Chloroethane	2 U	2 U	2.1 U	2.1 U	1.9 U	17.4 U	2 U	1.1 U	1.1 U	1.2 U	0.53 U	0.53 U	0.53 U	2 U	2.1 U	2 U	12.9 U	1.8 U
Chloroform	3.7 U	3.7 U	3.9 U	3.8 U	3.6 U	32.2 U	3.6 U	**0.62 J**	**2.2**	**0.68 J**	**0.34 J**	**0.89 J**	**1.8**	3.6 U	3.8 U	3.6 U	23.9 U	3.4 U
Chloromethane	6.2 U	6.2 U	6.6 U	6.4 U	6 U	53.7 U	6.2 U	0.87 U	0.83 U	0.97 U	0.41 U	**0.11 J**	0.41 U	6.2 U	6.4 U	6.2 U	39.2 U	5.8 U
Chlorotoluene,2-	NA	NA	NA	NA	NA	NA	NA	2.2 U	2.1 U	2.4 U	1.0 U	1.0 U	1.0 U	NA	NA	NA	NA	NA
Cryofluorane	5.3 U	5.3 U	5.5 U	5.5 U	5.1 U	46.1 U	5.2 U	3.0 U	2.8 U	3.3 U	1.4 U	1.4 U	1.4 U	5.2 U	5.5 U	5.2 U	34.3 U	4.9 U
Cyclohexane	**134.2**	**10**	2.7 U	**6.5**	2.5 U	22.7 U	2.5 U	1.5 U	**67**	**140**	**1.3**	**17**	**36**	2.5 U	2.7 U	2.5 U	16.9 U	2.4 U
Decane, n-	NA	NA	NA	NA	NA	NA	NA	2.5 U	**11**	**28**	1.2 U	1.2 UJ	**49**	NA	NA	NA	NA	NA
Dibromochloromethane	6.5 U	6.5 U	6.7 U	6.6 U	6.2 U	56.2 U	6.3 U	3.6 U	3.4 U	4.0 U	1.7 U	1.7 U	1.7 U	6.3 U	6.6 U	6.3 U	41.7 U	6 U
Dibromoethane,1,2-	5.8 U	5.8 U	6.1 U	6 U	5.6 U	50.7 U	5.7 U	3.3 U	3.1 U	3.6 U	1.5 U	1.5 U	1.5 U	5.7 U	6 U	5.7 U	37.6 U	5.4 U
Dichlorobenzene,1,2-	4.6 U	4.6 U	4.7 U	4.7 U	4.4 U	39.7 U	4.4 U	2.6 U	2.4 U	2.8 U	1.2 U	1.2 U	1.2 U	4.4 U	4.7 U	4.4 U	29.5 U	4.2 U
Dichlorobenzene,1,3-	4.6 U	4.6 U	**5.9**	4.7 U	4.4 U	39.7 U	4.4 U	2.6 U	2.4 U	2.8 U	1.2 U	1.2 U	**4.8**	4.4 U	4.7 U	4.4 U	29.5 U	4.2 U
Dichlorobenzene,1,4-	4.6 U	4.6 U	4.7 U	4.7 U	4.4 U	39.7 U	4.4 U	2.6 UJ	**1.9 J**	**1.4 J**	**0.42 J**	**0.99 J**	**0.90 J**	4.4 U	4.7 U	4.4 U	29.5 U	4.2 U
Dichlorodifluoromethane	3.8 U	**7.4**	3.9 U	3.9 U	**3.7**	32.6 U	3.7 U	**2.7**	**2.7**	**2.5**	**2.6**	**2.4**	**2.5**	3.7 U	3.9 U	**3.8**	24.2 U	3.5 U
Dichloroethane,1,1-	3.1 U	3.1 U	3.2 U	3.2 U	3 U	26.7 U	3 U	1.7 U	1.6 U	1.9 U	0.81 U	0.81 U	0.81 U	3 U	3.2 U	3 U	19.8 U	2.8 U
Dichloroethane,1,2-	3.1 U	3.1 U	3.2 U	3.2 U	3 U	26.7 U	3 U	1.7 U	1.6 U	1.9 U	0.81 U	0.81 U	0.81 U	3 U	3.2 U	3 U	19.8 U	2.8 U
Dichloroethene, cis-1,2-	3 U	3 U	3.1 U	3.1 U	2.9 U	26.2 U	2.9 U	1.7 U	1.6 U	1.8 U	0.79 U	**0.79**	0.79 U	2.9 U	3.1 U	2.9 U	19.4 U	2.8 U
Dichloroethene,1,1-	3 U	3 U	3.1 U	3.1 U	2.9 U	26.2 U	2.9 U	1.7 U	1.6 U	1.8 U	0.79 U	0.79 U	0.79 U	2.9 U	3.1 U	2.9 U	19.4 U	2.8 U
Dichloropropane,1,2-	3.5 U	3.5 U	3.7 U	3.6 U	3.4 U	30.5 U	3.4 U	2.0 U	1.9 U	2.2 U	0.92 U	0.92 U	0.92 U	3.4 U	3.6 U	3.4 U	22.6 U	3.2 U
Dichloropropene, cis-1,3	3.4 U	3.4 U	3.6 U	3.5 U	3.3 U	30 U	3.4 U	1.9 U	1.8 U	2.1 U	0.91 U	0.91 U	0.91 U	3.4 U	3.5 U	3.4 U	22.2 U	3.2 U
Dichloropropene, trans-1,3	3.4 U	3.4 U	3.6 U	3.5 U	3.3 U	30 U	3.4 U	1.9 U	1.8 U	2.1 U	0.91 U	0.91 U	0.91 U	3.4 U	3.5 U	3.4 U	22.2 U	3.2 U
Dioxane,1,4-	10.8 U	10.8 U	11.5 U	11.2 U	10.5 U	93.7 U	10.8 U	3.8 U	1.4 U	1.7 U	1.8 U	0.72 U	0.72 U	10.8 U	11.2 U	10.8 U	68.5 U	10.1 U
Dodecane, n-	NA	NA	NA	NA	NA	NA	NA	**0.74 J**	**23**	**1.8 J**	**1.0 J**	**2.9**	**37 J**	NA	NA	NA	NA	NA
Ethanol	**82.9**	**7**	**433.4**	**52.8**	**22.6**	**120.6**	**52.8**	**15**	**5.7**	**19**	2.4 U	**2.5 J**	**0.94 J**	**105.5**	5.8 U	**26.4**	**114.9**	**41.5**
Ethylthiophene, 2-	NA	NA	NA	NA	NA	NA	NA	1.9 U	1.8 U	2.2 U	0.92 U	0.92 U	0.92 U	NA	NA	NA	NA	NA
Ethyltoluene, p-	**8.8**	**7.9**	3.9 U	**33.4**	**7.4 J**	32.4 U	**49.2**	2.1 U	2 U	2.3 U	0.98 U	**0.27 J**	**0.64 J**	**11.3**	3.8 U	**4.9 J**	24.1 U	**35.4**
Heptane, n-	**65.6**	**3.7**	**4.9**	**11.5**	**5.3**	27 U	**12.7**	1.7 U	**4.1**	**3.3**	0.82 U	**0.32 J**	**0.94 J**	**3.4**	**3.4**	**7.4**	20.1 U	**9.8**
Hexachlorobutadiene	32 U	32 U	34.1 U	33.1 U	30.9 U	277.3 U	32 UJ	4.5 UJ	4.3 U	5.0 U	2.1 U	2.1 U	2.1 U	32 U	33.1 U	32 U	202.6 U	29.9 UJ
Hexane, n-	**4.2**	**4.6**	**7.4**	**10.2**	**6.7**	23.3 U	**12.3**	**0.75 J**	**160**	**170**	**0.32 J**	**6.4**	**8.8**	**3.9**	2.7 U	**7.4**	17.3 U	**10.6**
Hexanone,2-	12.3 U	12.3 U	13.1 U	12.7 U	11.9 U	106.5 U	12.3 U	4.3 U	1.6 U	1.9 U	0.82 U	**0.35 J**	0.82 U	12.3 U	12.7 U	12.3 U	77.8 U	11.5 U
Indan	ND	ND	NA	NA	NA	NA	14.5 U	2.0 U	2 U	2.3 U	0.97 U	**0.24 J**	**0.72 J**	NA	NA	NA	NA	13.5 U
Indene	ND	ND	NA	NA	NA	NA	14.3 U	2.0 U	1.9 U	2.2 U	0.95 U	0.95 U	0.95 U	NA	NA	NA	NA	13.3 U
Isopropyl benzene	3.7 U	3.7 U	3.9 U	3.8 U	3.6 U	32.4 U	**3.6 J**	NA	NA	NA	NA	NA	NA	3.6 U	3.8 U	3.6 U	24.1 U	3.4 U
Methyl tert-butyl ether	2.7 U	2.7 U	2.8 U	**22.7**	2.6 U	23.8 U	2.7 U	1.5 U	1.5 U	1.7 U	0.72 U	0.72 U	0.72 U	2.7 U	2.8 U	2.7 U	17.7 U	2.5 U
Methyl-2-pentanone,4-	**7.4**	3.1 U	3.2 U	3.2 U	3 U	27 U	3 U	1.7 U	**2.5**	1.9 U	0.82 U	0.82 U	0.82 U	3 U	3.2 U	3 U	20.1 U	2.9 U
Methylene chloride	2.6 UJ	2.6 U	2.7 U	2.7 U	2.5 U	22.9 U	2.6 U	**28**	**24**	**12**	0.69 U	1.7 U	1.7 U	2.6 U	2.7 U	2.6 U	17 U	2.4 U
Methylnaphthalene,1-	NA	NA	NA	NA	NA	NA	NA	31 U	29 U	14 U	14 UJ	1.2 U	2.9 UJ	NA	NA	NA	NA	NA
Methylnaphthalene,2-	NA	NA	NA	NA	NA	NA	NA	31 U	12 U	34 U	14 U	1.2 U	2.9 UJ	NA	NA	NA	NA	NA
Methylthiophene, 2-	NA	NA	NA	NA	NA	NA	NA	1.7 U	1.6 U	1.9 U	0.80 U	0.80 U	0.80 U	NA	NA	NA	NA	NA
Methylthiophene, 3-	NA	NA	NA	NA	NA	NA	NA	1.7 U	1.6 U	1.9 U	0.80 U	0.80 U	0.80 U	NA	NA	NA	NA	NA
Naphthalene	**11**	15.7 U	16.8 UJ	16.3 U	15.2 U	136.3 UJ	15.7 U	5.6 U	**1.4 J**	**2.0 J**	**0.37 J**	**1.1 J**	**1.1**	15.7 UJ	16.3 U	15.7 U	99.6 UJ	14.7 U
Nonane	NA	NA	NA	NA	NA	NA	NA	**0.78 J**	**3.1**	**1.8 J**	1.0 U	1.0 U	**0.84 J**	NA	NA	NA	NA	NA

Table 5-1
Summary of Soil Vapor Results for OU-1, OU-2 and OU-3
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Units No. 2 3

Sample Name:	OU2SG03	OU2SG03	OU2SG03	OU2SG03	OU2SG03	OU2SG03	OU2SG03	OU2SG03	OU2SG03	OU2SG03	OU2SG03	OU2SG03	OU2SG03	OU2SG04	OU2SG04	OU2SG04	OU2SG04	OU2SG04
Sample Date:	7/21/2004	10/13/2004	5/5/2005	8/30/2005	2/1/2006	6/14/2006	9/7/2006	2/22/2007	5/24/2007	9/18/2007	12/18/2007	3/26/2008	6/24/2008	5/5/2005	8/30/2005	2/1/2006	6/14/2006	9/7/2006
Other VOCs Continued (ug/m3)																		
Octane, n-	NA	NA	NA	NA	NA	NA	NA	2.0 U	**1.1 J**	**1.3 J**	0.93 U	0.93 U	**180**	NA	NA	NA	NA	NA
Pentane	NA	NA	NA	NA	NA	NA	NA	1.2 U	1.2 U	1.4 U	0.59 U	0.59 UJ	**0.50 J**	NA	NA	NA	NA	NA
Propanol,2-	**7.4**	7.4 U	**36.9**	**9.3**	7.1 U	**172.1**	7.4 U	**1.0**	**5.7**	**1.1 J**	0.49 U	1.2 U	1.3 UJ	**16.2**	7.6 U	7.4 U	46.7 U	6.9 U
Propylbenzene, n-	3.7 U	3.7 U	3.9 U	**6.9**	3.6 U	32.4 U	**12.3**	NA	NA	NA	NA	NA	NA	3.6 U	3.8 U	3.6 U	24.1 U	**8.8**
Styrene	3.2 U	3.2 U	3.4 U	**3.7**	3.1 U	28.1 U	**3.3**	1.8 U	1.7 U	**0.60 J**	0.85 U	**0.36 J**	**0.72 J**	3.2 U	3.3 U	3.2 U	20.9 U	3 U
t-Butyl alcohol	NA	NA	NA	NA	NA	NA	NA	1.3 U	1.2 U	**0.50 J**	0.61 U	**0.33 J**	**0.76**	NA	NA	NA	NA	NA
Tetrachloroethane,1,1,2,2-	5.2 U	5.2 U	5.4 U	5.4 U	5 U	45.3 U	5.1 U	2.9 U	2.8 U	3.2 U	1.4 U	1.4 U	1.4 U	5.1 U	5.4 U	5.1 U	33.6 U	4.8 U
Tetrachloroethene	**8.1**	**21.7**	5.4 U	**10.2**	**7.5**	44.8 U	**23.7**	2.9 U	2.7 U	**0.79 J**	1.4 U	1.4 U	**1.3 J**	5 U	5.3 U	**8.1**	**34.6**	**19**
Tetrahydrofuran	2.2 U	2.2 U	2.3 U	2.3 U	2.2 U	19.5 U	2.2 U	NA	NA	NA	NA	NA	NA	2.2 U	2.3 U	2.2 U	14.5 U	2.1 U
Tetramethylbenzene, 1,2,4,5-	NA	NA	NA	NA	NA	NA	NA	2.3 U	**3 J**	**4.0 J**	**1.3**	**3.4**	1.1 U	NA	NA	NA	NA	NA
Thiophene	NA	NA	NA	NA	NA	NA	NA	1.5 U	1.4 U	1.6 U	0.69 U	0.69 U	0.69 U	NA	NA	NA	NA	NA
Trans-1,2-dichloroethene	3 U	3 U	3.1 U	3.1 U	2.9 U	26.2 U	2.9 U	1.7 U	1.6 U	1.8 U	0.79 U	0.79 U	0.79 U	2.9 U	3.1 U	2.9 U	19.4 U	2.8 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	5.8 U	5.8 U	6.1 U	6 U	5.6 U	50.6 U	5.7 U	3.2 U	3.1 U	3.6 U	**0.38 J**	**0.56 J**	**0.77 J**	5.7 U	6 U	5.7 U	37.6 U	5.4 U
Trichlorobenzene,1,2,4-	22.3 U	22.3 U	23.7 U	23 U	21.5 U	193 U	22.3 UJ	3.1 UJ	3 U	3.5 U	1.5 U	1.5 U	1.5 U	22.3 U	23 U	22.3 U	141 U	20.8 UJ
Trichloroethane,1,1,1-	4.1 U	4.1 U	4.3 U	4.3 U	4 U	36 U	4 U	2.3 U	2.2 UJ	2.6 U	1.1 U	1.1 U	1.1 U	4 U	4.3 U	4 U	26.7 U	3.8 U
Trichloroethane,1,1,2-	4.1 U	4.1 U	4.3 U	4.3 U	4 U	36 U	4 U	2.3 U	2.2 U	2.6 U	1.1 U	1.1 U	1.1 U	4 U	4.3 U	4 U	26.7 U	3.8 U
Trichloroethene	4.1 U	4.1 U	4.2 U	4.2 U	3.9 U	35.5 U	4 U	2.3 U	2.2 U	2.5 U	1.1 U	**2.3**	1.1 U	4 U	4.2 U	4 U	26.3 U	3.8 U
Trichlorofluoromethane	**11.2**	**7.3**	4.4 U	4.4 U	4.1 U	37.1 U	**6.7**	**1.9 J**	**6.6**	**7.4**	**3.5**	**2.7**	**12**	4.2 U	4.4 U	4.2 U	27.5 U	3.9 U
Trimethylbenzene,1,2,3-	NA	NA	NA	NA	NA	NA	NA	**0.73 J**	**1.2 J**	**1.4 J**	0.98 U	**1.2**	**3.4**	NA	NA	NA	NA	NA
Trimethylbenzene,1,2,4-	**9.8**	**6.9**	3.9 U	**32.4**	**5.4**	32.4 U	**59 J**	**1.5 J**	**4.5 J**	**2.2 J**	**0.44 J**	**0.37 J**	**0.74 J**	**10.8**	3.8 U	**3.9**	24.1 U	**43.3 J**
Trimethylbenzene,1,3,5-	3.7 U	3.7 U	3.9 U	**12.3**	3.6 U	32.4 U	**15.7**	2.1 U	**1.2 J**	**0.80 J**	0.98 U	**0.65 J**	**1.9**	**4**	3.8 U	3.6 U	24.1 U	**10.8**
Trimethylpentane, 2,2,4-	3.6 U	**4.7**	3.7 U	**15.9**	**560.6**	**7475.2**	**1121.3**	2.0 U	1.9 U	2.2 U	0.93 U	0.93 U	0.93 U	3.5 U	3.6 U	**794.2**	**5606.4**	**981.1**
Undecane, n-	NA	NA	NA	NA	NA	NA	NA	**1.1 J**	**6.3**	3.0 U	1.3 U	**2.0**	1.3 U	NA	NA	NA	NA	NA
Vinyl bromide	NA	NA	NA	NA	NA	NA	NA	1.8 U	1.8 U	2.0 U	0.87 U	0.87 U	0.87 U	NA	NA	NA	NA	NA
Vinyl chloride	1.9 U	1.9 U	2 U	2 U	1.9 U	16.9 U	1.9 U	1.1 U	1 U	1.2 U	0.51 U	0.51 U	0.51 U	1.9 U	2 U	1.9 U	12.5 U	1.8 U

Table 5-1
Summary of Soil Vapor Results for OU-1, OU-2 and OU-3
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Units No. 2 3

Sample Name: / Sample Date:	OU2SG04 2/22/2007	OU2SG04 5/24/2007	OU2SG04 9/18/2007	OU2SG04 12/18/2007	OU2SG04 3/26/2008	OU2SG04 6/23/2008	OU2SG05 5/25/2005	OU2SG05 8/31/2005	OU2SG05 2/2/2006	OU2SG05 6/15/2006	OU2SG05 9/8/2006	OU2SG05 2/22/2007	OU2SG05 6/14/2007	OU2SG05 7/25/2007	OU2SG05 9/19/2007	OU2SG05 12/19/2007	OU2SG05 3/27/2008	OU2SG05 6/23/2008
BTEX (ug/m3)																		
Benzene	1.3 U	**2**	**2.7**	**0.22 J**	**0.23 J**	**0.26 J**	**5.4**	**10.2**	**5.4**	11.5 U	**11.8**	**2.7**	1.3 U	1.5 UJ	**0.56 J**	**0.41 J**	**0.19 J**	**0.51 J**
Ethylbenzene	**0.97 J**	**10**	**9.4**	**0.43 J**	**0.92**	**1.6**	3.3 U	**11.3**	**6.9**	15.6 U	**21.3**	**2.6**	1.7 U	2 U	1.9 U	0.87 U	0.87 U	**0.39 J**
Toluene	**2.6**	**720**	**760**	**31**	**74**	**130**	**16.2**	**45.2**	**30.9**	**35.4**	**113.1**	**42**	**44**	**21**	**1.6 J**	**1.9**	**0.62 J**	**8.4**
Xylene, m,p-	**3.0 J**	**31**	**28**	**1.3 J**	**2.9**	**4.0**	**10**	**47.8**	**14.8**	**27.8**	**69.5**	**7.1**	**1.4 J**	**1.1 J**	3.8 U	1.7 U	1.7 U	**1.4 J**
Xylene, o-	**1.1 J**	**9.9**	**8.4**	**0.52 J**	**1.8**	**1.7**	3.3 U	**16.5**	**4.8**	15.6 U	**18.7**	**2.5**	1.7 U	**1.2 J**	1.9 U	0.87 U	0.87 U	**0.78 J**
Other VOCs (ug/m3)																		
Acetaldehyde	**0.40 J**	**140 J**	**40**	9.3 U	**4.1 J**	**19**	NA	NA	NA	NA	NA	**2.8 J**	**96**	**44**	**24**	1.8 U	4.5 U	**16**
Acetone	**8.3**	**40 J**	**7.9**	7.6 U	2.5 U	**6.2**	**180.5**	**178.2**	**33.3**	**261.3**	**156.8**	**22**	**8.1**	**16 J**	**4.9**	5.2 U	2.6 U	**8.1**
Acrolein (propenal)	0.93 U	2.3 U	0.99 U	0.46 U	1.2 U	**0.53**	NA	NA	NA	NA	NA	1.0 U	0.91 UJ	1.1 U	1.0 U	0.46 U	1.2 U	**0.62**
Allyl chloride	1.3 U	1.3 U	1.4 U	0.63 U	0.63 U	0.63 UJ	9.4 U	10 U	8.8 U	43.8 U	10.3 U	1.4 U	1.2 U	1.5 U	1.4 U	0.63 U	0.63 U	0.63 UJ
Benzothiophene	11 UJ	5.5 U	30 U	1.1 U	1.1 U	1.1 U	NA	NA	NA	NA	NA	12 UJ	**2.2 J**	2.6 U	2.4 U	1.1 U	1.1 U	1.1 U
Bromodichloromethane	2.7 U	2.7 U	2.9 U	1.3 U	1.3 U	1.3 U	5.1 U	5.4 U	4.7 U	24.1 U	5.5 U	3.0 U	2.7 U	3.1 U	3.0 U	1.3 U	1.3 U	1.3 U
Bromoform	4.2 U	4.2 U	4.5 U	2.1 U	2.1 U	2.1 U	7.9 U	8.3 U	7.2 U	37.2 U	8.5 U	4.6 U	4.1 U	4.8 U	4.6 U	2.1 U	2.1 U	2.1 U
Bromomethane	1.6 U	1.6 U	1.7 U	0.78 U	0.78 U	0.78 U	3 U	3.1 U	2.7 U	14 U	3.2 U	1.7 U	1.5 U	1.8 U	1.7 U	0.78 U	0.78 U	0.78 U
Butadiene, 1,3-	0.90 U	0.89 U	0.95 U	0.44 U	0.44 U	0.44 U	1.7 U	**6**	**4**	8 U	**3.1**	0.98 U	0.88 U	1 U	0.98 U	0.44 U	0.44 U	0.44 U
Butane	**2.2**	0.95 U	1.0 U	0.48 U	**0.71**	**0.59**	NA	NA	NA	NA	NA	**16**	**0.52 J**	**2.1**	1.0 U	**6.4**	**2.1**	**0.36 J**
Butanone,2-	**1.2 J**	**4.7**	1.3 U	**1.9**	1.5 U	**1.5**	**28**	**19.2**	**4.7 J**	**12.1**	**20.6**	**3.1 J**	**2.7 J**	**1.9**	**1.6**	0.59 U	**0.24 J**	**1.7**
Carbon disulfide	**1.7**	**2.5 J**	**5.4**	**0.75**	**1.4**	**4.2**	2.4 U	**9.7**	**3.7**	11.2 U	**4.7**	**11**	**6.7 J**	**7.6**	**2.2**	**1.0**	**0.56 J**	**23**
Carbon tetrachloride	2.6 U	2.5 UJ	2.7 U	1.3 U	1.3 U	1.3 U	4.8 U	5 U	4.4 U	22.6 U	5.2 U	2.8 U	2.5 U	2.9 UJ	2.8 U	1.3 U	**0.36 J**	1.3 U
Chlorobenzene	1.9 U	1.8 U	2.0 U	0.92 U	0.92 U	0.92 U	3.5 U	3.7 U	3.2 U	16.6 U	3.8 U	2.0 U	1.8 U	2.2 U	2.0 U	0.92 U	0.92 U	0.92 U
Chloroethane	1.1 U	1.1 U	1.1 U	0.53 U	0.53 U	0.53 U	2 U	2.1 U	1.8 U	9.5 U	2.2 U	1.2 U	1 U	1.2 U	1.2 U	0.53 U	0.53 U	0.53 U
Chloroform	2.0 U	2 U	**1.3 J**	**0.34 J**	**0.43 J**	**1.0**	3.7 U	**8.8**	3.4 U	17.6 U	**6.8**	**2.7**	**10**	**19**	**6.9**	**1.9**	**1.6**	**9.2**
Chloromethane	0.84 U	0.83 U	0.89 U	0.41 U	0.41 U	0.41 U	6.2 U	6.6 U	5.8 U	28.9 U	6.8 U	**1.5 J**	**0.46 J**	**0.62 J**	0.91 U	0.41 U	**0.14 J**	0.41 U
Chlorotoluene,2-	2.1 U	2.1 U	2.2 U	1.0 U	1.0 U	1.0 U	NA	NA	NA	NA	NA	2.3 U	2.1 U	2.4 U	2.3 U	1.0 U	1.0 U	1.0 U
Cryofluorane	2.8 U	2.8 U	3.0 U	1.4 U	1.4 U	1.4 U	5.3 U	5.6 U	4.9 U	25.2 U	5.7 U	3.1 U	2.8 U	3.3 U	3.1 U	1.4 U	1.4 U	1.4 U
Cyclohexane	1.4 U	**66**	**160**	**11**	**72**	**78**	**213.4**	2.8 U	2.4 U	12.4 U	2.8 U	**15**	**11**	**4.6**	1.5 U	**0.93**	**0.62 J**	**2.1**
Decane, n-	2.4 U	**7.8**	2.5 U	1.2 U	1.2 UJ	**62**	NA	NA	NA	NA	NA	**0.90 J**	**1.6 J**	2.7 U	2.6 U	1.2 U	1.2 U	**48**
Dibromochloromethane	3.5 U	3.4 U	3.7 U	1.7 U	1.7 U	1.7 U	6.5 U	6.8 U	6 U	30.7 U	7 U	3.8 U	3.4 U	4 U	3.8 U	1.7 U	1.7 U	1.7 U
Dibromoethane,1,2-	3.1 U	3.1 U	3.3 U	1.5 U	1.5 U	1.5 U	5.8 U	6.1 U	5.4 U	27.7 U	6.3 U	3.4 U	3.1 U	3.6 U	3.4 U	1.5 U	1.5 U	1.5 U
Dichlorobenzene,1,2-	2.4 U	2.4 U	2.6 U	1.2 U	1.2 U	1.2 U	4.6 U	4.8 U	4.2 U	21.6 U	4.9 U	2.7 U	2.4 U	2.8 U	2.7 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene,1,3-	2.4 U	2.4 U	2.6 U	1.2 U	1.2 U	**5.6**	4.6 U	4.8 U	4.2 U	21.6 U	4.9 U	2.7 U	2.4 U	2.8 U	2.7 U	1.2 U	1.2 U	**4.3**
Dichlorobenzene,1,4-	2.4 UJ	**1.4 J**	**0.91 J**	1.2 U	**0.53 J**	**0.60 J**	4.6 U	4.8 U	4.2 U	21.6 U	4.9 U	2.7 UJ	**1.3 J**	**1.8 J**	2.7 U	1.2 U	1.2 U	**0.36 J**
Dichlorodifluoromethane	**2.7**	**2.7**	**2.7**	**2.6**	**1.9**	**2.1**	3.8 U	4 U	3.5 U	17.8 U	4.1 U	**2.6**	**2.5**	**3.1**	**2.7**	**2.7**	**2.2**	**2.7**
Dichloroethane,1,1-	1.6 U	1.6 U	1.8 U	0.81 U	0.81 U	0.81 U	3.1 U	3.2 U	2.8 U	14.6 U	3.3 U	1.8 U	1.6 U	1.9 U	1.8 U	0.81 U	0.81 U	0.81 U
Dichloroethane,1,2-	1.6 U	**1.2 J**	1.8 U	0.81 U	0.81 U	0.81 U	3.1 U	3.2 U	2.8 U	14.6 U	3.3 U	1.8 U	1.6 U	1.9 U	1.8 U	0.81 U	0.81 U	0.81 U
Dichloroethene, cis-1,2-	1.6 U	1.6 U	1.7 U	0.79 U	0.79 U	0.79 U	3 U	3.2 U	2.8 U	14.3 U	3.3 U	1.8 U	1.6 U	1.8 U	1.8 U	0.79 U	0.79 U	0.79 U
Dichloroethene,1,1-	1.6 U	1.6 U	1.7 U	0.79 U	0.79 U	0.79 U	3 U	3.2 U	2.8 U	14.3 U	3.3 U	1.8 U	1.6 U	1.8 U	1.8 U	0.79 U	0.79 U	0.79 U
Dichloropropane,1,2-	1.9 U	1.9 U	2.0 U	0.92 U	0.92 U	0.92 U	3.5 U	3.7 U	3.2 U	16.6 U	3.8 U	2.0 U	1.8 U	2.2 U	2.0 U	0.92 U	0.92 U	0.92 U
Dichloropropene, cis-1,3	1.8 U	1.8 U	2.0 U	0.91 U	0.91 U	0.91 U	3.4 U	3.6 U	3.2 U	16.3 U	3.7 U	2.0 U	1.8 U	2.1 U	2.0 U	0.91 U	0.91 U	0.91 U
Dichloropropene, trans-1,3	1.8 U	1.8 U	2.0 U	0.91 U	0.91 U	0.91 U	3.4 U	3.6 U	3.2 U	16.3 U	3.7 U	2.0 U	1.8 U	2.1 U	2.0 U	0.91 U	0.91 U	0.91 U
Dioxane,1,4-	3.6 U	1.4 U	1.6 U	1.8 U	0.72 U	0.72 U	10.8 U	11.5 U	10.1 U	50.4 U	11.9 U	4.0 U	3.6 U	1.7 U	1.6 U	1.8 U	0.72 U	0.72 U
Dodecane, n-	2.8 U	**13**	**1.6 J**	**0.77 J**	**1.4 J**	**37 J**	NA	NA	NA	NA	NA	3.1 U	**8.6 J**	**2.5 J**	3.1 U	**0.42 J**	**0.41 J**	**34 J**
Ethanol	**20**	**290**	**140**	8.7 U	**1.4 J**	**1.3 J**	**49**	**30.1**	**35.8**	**69.7**	**58.4**	**56**	**4.6**	**13**	**10**	2.9 U	**1.1 J**	**2.6**
Ethylthiophene, 2-	1.9 U	1.8 U	2.0 U	0.92 U	0.92 U	0.92 U	NA	NA	NA	NA	NA	2.0 U	1.8 U	2.2 U	2.0 U	0.92 U	0.92 U	0.92 U
Ethyltoluene, p-	2.0 U	**1.8 J**	**1.2 J**	0.98 U	**0.52 J**	**0.69 J**	3.7 U	**16.7**	3.4 U	17.7 U	**20.2**	**0.55 J**	2 U	2.3 U	2.2 U	0.98 U	0.98 U	**0.39 J**
Heptane, n-	1.7 U	**6.2**	**6.5**	**0.49 J**	**1.6**	**2.4 J**	**225.4**	**16.4**	**3.5**	14.8 U	**10.2**	**2.6**	1.6 U	1.9 U	1.8 U	**0.29 J**	0.82 U	**0.61 J**
Hexachlorobutadiene	4.3 UJ	4.3 U	4.6 U	2.1 U	2.1 U	2.1 U	32 U	34.1 U	29.9 U	149.3 U	35.2 UJ	4.7 UJ	**4.1 J**	5 U	4.7 U	2.1 U	2.1 U	2.1 U
Hexane, n-	**1.8**	**260**	**420**	**8.5**	**40**	**56**	**4.2 J**	**15.2**	**6.3**	12.7 U	**10.6**	**62**	**3.8**	**3.1**	**4.6**	**0.28 J**	**0.24 J**	**0.39 J**
Hexanone,2-	4.2 U	1.6 U	1.8 U	**0.33 J**	0.82 U	0.82 U	12.3 U	13.1 U	11.5 U	57.4 U	13.5 U	4.5 U	1.6 U	1.9 U	1.8 U	0.82 U	0.82 U	0.82 U
Indan	2.0 U	**0.99 J**	**0.73 J**	0.97 U	0.97 U	0.97 U	NA	NA	NA	NA	16 U	**0.54 J**	1.9 U	2.3 U	2.1 U	0.97 U	0.97 U	0.97 U
Indene	1.9 U	1.9 U	2.0 U	0.95 U	0.95 U	0.95 U	NA	NA	NA	NA	15.7 U	2.1 U	1.9 U	2.2 U	2.1 U	0.95 U	0.95 U	0.95 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	3.7 U	3.9 U	3.4 U	17.7 U	4 U	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	1.5 U	1.4 U	1.6 U	0.72 U	0.72 U	0.72 U	**3**	**4.3**	2.5 U	13 U	3 U	1.6 U	1.4 U	1.7 U	1.6 U	0.72 U	0.72 U	0.72 U
Methyl-2-pentanone,4-	1.7 U	**2.9**	1.8 U	0.82 U	0.82 U	0.82 U	3.1 U	3.3 U	2.9 U	14.7 U	3.4 U	1.8 U	1.6 U	1.9 U	1.8 U	0.82 U	0.82 U	0.82 U
Methylene chloride	**23**	**20**	**10**	0.69 U	1.7 U	1.7 U	2.6 U	2.8 U	2.4 U	12.5 U	2.8 U	**27 J**	**7**	**1.9**	**9.5**	0.69 U	**0.35 J**	2.1 U
Methylnaphthalene,1-	30 U	29 U	13 U	14 UJ	1.2 U	2.9 UJ	NA	NA	NA	NA	NA	32 U	**3 J**	2.7 U	2.6 U	14 U	1.2 U	2.9 UJ
Methylnaphthalene,2-	30 U	12 U	31 U	14 U	1.2 U	2.9 UJ	NA	NA	NA	NA	NA	32 U	**3.2 J**	34 U	2.6 U	14 UJ	1.2 U	2.9 UJ
Methylthiophene, 2-	1.6 U	1.6 U	1.7 U	0.80 U	0.80 U	0.80 U	NA	NA	NA	NA	NA	1.8 U	1.6 U	1.9 U	1.8 U	0.80 U	0.80 U	0.80 U
Methylthiophene, 3-	1.6 U	1.6 U	1.7 U	0.80 U	0.80 U	0.80 U	NA	NA	NA	NA	NA	1.8 U	1.6 U	1.9 U	1.8 U	0.80 U	0.80 U	0.80 U
Naphthalene	5.3 U	2.1 U	**1.1 J**	1.0 U	1.0 UJ	**1.1**	15.7 U	16.8 U	14.7 U	73.4 UJ	17.3 U	5.8 U	**2.7**	2.4 U	2.3 U	1.0 U	1.0 U	**1.1**
Nonane	**0.53 J**	**3.1**	**2.5**	1.0 U	**0.40 J**	**1.2**	NA	NA	NA	NA	NA	**1.3 J**	2.1 U	2.4 U	2.3 U	1.0 U	1.0 U	1.0 UJ

Table 5-1
Summary of Soil Vapor Results for OU-1, OU-2 and OU-3
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Units No. 2 3

Sample Name:	OU2SG04	OU2SG04	OU2SG04	OU2SG04	OU2SG04	OU2SG04	OU2SG05	OU2SG05	OU2SG05	OU2SG05	OU2SG05	OU2SG05	OU2SG05	OU2SG05	OU2SG05	OU2SG05	OU2SG05	OU2SG05
Sample Date:	2/22/2007	5/24/2007	9/18/2007	12/18/2007	3/26/2008	6/23/2008	5/25/2005	8/31/2005	2/2/2006	6/15/2006	9/8/2006	2/22/2007	6/14/2007	7/25/2007	9/19/2007	12/19/2007	3/27/2008	6/23/2008
Other VOCs Continued (ug/m3)																		
Octane, n-	1.9 U	**1.6 J**	**1.5 J**	0.93 U	**0.34 J**	**230**	NA	NA	NA	NA	NA	**1.2 J**	1.9 U	2.2 U	2.1 U	0.93 U	0.93 U	**200**
Pentane	**1.1 J**	1.2 U	**0.64 J**	0.59 U	0.59 UJ	**0.97**	NA	NA	NA	NA	NA	**9.4**	1.2 U	**3.6**	**0.52 J**	**1.7**	**0.86**	**0.80**
Propanol,2-	**1.0 J**	**1.9 J**	**0.95 J**	**1.1 J**	1.2 U	1.2 UJ	7.4 U	7.9 U	6.9 U	**90.9**	8.1 U	**2.7**	4.9 U	**15 J**	**0.76 J**	0.49 U	**0.38 J**	1.2 UJ
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	3.7 U	3.9 U	3.4 U	17.7 U	**5.4**	NA	NA	NA	NA	NA	NA	NA
Styrene	1.7 U	1.7 U	1.8 U	0.85 U	0.85 U	**0.55 J**	3.2 U	3.4 U	3 U	15.3 U	3.5 U	1.9 U	1.7 U	2 U	1.9 U	0.85 U	0.85 U	**0.43 J**
t-Butyl alcohol	1.2 U	1.2 U	**1.0 J**	0.61 U	**0.24 J**	**0.88**	NA	NA	NA	NA	NA	1.3 U	**1.2**	**0.83 J**	1.3 U	0.61 U	0.61 U	**1.7 J**
Tetrachloroethane,1,1,2,2-	2.8 U	2.8 U	3.0 U	1.4 U	1.4 U	1.4 U	5.2 U	5.5 U	4.8 U	24.7 U	5.6 U	3.0 U	2.7 U	3.2 U	3.0 U	1.4 U	1.4 U	1.4 U
Tetrachloroethene	2.8 U	**6.7**	**5.7**	**1.8**	**2.7**	**3.3**	**32.6**	**5.9**	**5.4**	**27.8**	**14.9**	**0.90 J**	**2.4 J**	**1.8 J**	**1.4 J**	**0.41 J**	**0.49 J**	**16**
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	2.2 U	2.4 U	2.1 U	10.6 U	2.4 U	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	2.2 U	**2.6 J**	**3.0 J**	**0.99 J**	**3.4**	**2.7 J**	NA	NA	NA	NA	NA	2.4 U	**5.2**	**2.4 J**	2.4 U	1.1 U	1.1 U	**2.1 J**
Thiophene	1.4 U	1.4 U	1.5 U	0.69 U	0.69 U	0.69 U	NA	NA	NA	NA	NA	1.5 U	1.4 U	1.6 UJ	1.5 U	0.69 U	0.69 U	0.69 U
Trans-1,2-dichloroethene	1.6 U	1.6 U	1.7 U	0.79 U	0.79 U	0.79 U	3 U	3.2 U	2.8 U	14.3 U	3.3 U	1.8 U	1.6 U	1.8 U	1.8 U	0.79 U	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	**0.78 J**	3.1 U	3.3 U	**0.54 J**	**0.58 J**	**0.54 J**	5.8 U	6.1 U	5.4 U	27.6 U	6.3 U	3.4 U	3 U	3.6 U	3.4 U	**0.54 J**	1.5 U	**0.61 J**
Trichlorobenzene,1,2,4-	3.0 UJ	3 U	3.2 U	1.5 U	1.5 U	1.5 U	22.3 U	23.7 U	20.8 U	103.9 U	24.5 UJ	3.3 UJ	**3.3**	3.5 U	3.3 U	1.5 U	1.5 U	1.5 U
Trichloroethane,1,1,1-	2.2 U	2.2 UJ	2.4 U	1.1 U	1.1 U	1.1 U	4.1 U	4.4 U	3.8 U	19.6 U	4.5 U	2.4 U	2.2 U	2.6 U	2.4 U	1.1 U	1.1 U	1.1 U
Trichloroethane,1,1,2-	2.2 U	2.2 U	2.4 U	1.1 U	1.1 U	1.1 U	4.1 U	4.4 U	3.8 U	19.6 U	4.5 U	2.4 U	2.2 U	2.6 U	2.4 U	1.1 U	1.1 U	1.1 U
Trichloroethene	2.2 U	2.2 U	2.3 U	1.1 U	1.1 U	1.1 U	4.1 U	4.3 U	3.8 U	19.3 U	4.4 U	2.4 U	2.1 U	2.5 U	2.4 U	**0.32 J**	1.1 U	1.1 U
Trichlorofluoromethane	**1.2 J**	**1.9 J**	**1.7 J**	**1.4**	**1.1 J**	**1.5**	4.3 U	4.5 U	3.9 U	20.2 U	4.6 U	**1.7 J**	**1.9 J**	**2.9**	**2.0 J**	**1.3**	**1.2**	**2.8**
Trimethylbenzene,1,2,3-	**0.70 J**	**1.7 J**	**1.4 J**	0.98 U	**0.36 J**	**3.4**	NA	NA	NA	NA	NA	**0.98 J**	**1.1 J**	2.3 U	2.2 U	0.98 U	0.98 U	**2.6**
Trimethylbenzene,1,2,4-	**1.7 J**	**8.1 J**	**3.5**	**0.54 J**	**0.48 J**	**1.1**	3.7 U	**15.7**	3.4 U	17.7 U	**21.6 J**	**2.2**	**1.2 J**	2.3 U	2.2 U	0.98 U	0.98 U	**0.69 J**
Trimethylbenzene,1,3,5-	2.0 U	**2.3**	**1.5 J**	0.98 U	**0.57 J**	**1.8**	3.7 U	**5.9**	3.4 UJ	17.7 U	**5.4**	**0.76 J**	2 U	2.3 U	2.2 U	0.98 U	0.98 U	**1.3**
Trimethylpentane, 2,2,4-	1.9 U	**1.1 J**	**1.1 J**	0.93 U	0.93 U	0.93 U	3.6 U	**15.4**	**462.5**	**4111.4**	**607.4**	**3.7 J**	1.9 U	2.2 U	2.1 U	0.93 U	0.93 U	0.93 U
Undecane, n-	2.6 U	**4.7**	2.8 U	**2.7**	**5.4**	**11**	NA	NA	NA	NA	NA	2.8 U	2.5 U	**1.4 J**	2.8 U	1.3 U	1.3 U	**8.2**
Vinyl bromide	1.8 U	1.8 U	1.9 U	0.87 U	0.87 U	0.87 U	NA	NA	NA	NA	NA	1.9 U	1.7 U	2 U	1.9 U	0.87 U	0.87 U	0.87 U
Vinyl chloride	1.0 U	1 U	1.1 U	0.51 U	0.51 U	0.51 U	1.9 U	2 U	1.8 U	9.2 U	2.1 U	1.1 U	1 U	1.2 U	1.1 U	0.51 U	0.51 U	0.51 U

Table 5-1
Summary of Soil Vapor Results for OU-1, OU-2 and OU-3
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Units No. 2 3

Sample Name:	OU2SG06	OU2SG06	OU2SG06	OU2SG06	OU2SG06	OU2SG06	OU2SG06	OU2SG06	OU2SG06	OU2SG06	OU2SG06	OU2SG07	OU2SG07	OU2SG07	OU2SG07	OU2SG07	OU2SG07	OU2SG07
Sample Date:	5/5/2005	8/30/2005	2/2/2006	6/14/2006	9/7/2006	2/21/2007	6/13/2007	9/19/2007	12/18/2007	4/3/2008	6/25/2008	5/25/2005	8/30/2005	2/1/2006	6/14/2006	9/7/2006	2/21/2007	5/24/2007
BTEX (ug/m3)																		
Benzene	**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	**4.5**	**6.7**	**13.4**	7.7 U	**15.7**	**0.43 J**	**0.81 J**
Ethylbenzene	**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	5.2 U	**24.8**	**21.3**	10.4 U	**32.6**	**2.0**	**20**
Toluene	**37.7**	**101.7**	**75.4**	**36.2**	**128.1**	**4.9**	**73**	**15**	**26**	**4.0**	**6.5**	**17**	**90.4**	**109.3**	**21.1**	**135.7**	**5.4**	**1100**
Xylene, m,p-	**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**	5.2 U	**104.2**	**65.1**	**14.8**	**112.9**	**6.4**	**67**
Xylene, o-	**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	5.2 U	**36.5**	**14.3**	10.4 U	**31.7**	**2.3**	**20**
Other VOCs (ug/m3)																		
Acetaldehyde	NA	NA	NA	NA	NA	**4.0 J**	**260**	**25**	3.3 U	4.5 U	7.1 U	NA	NA	NA	NA	NA	0.82 UJ	**130 J**
Acetone	**831.4 EJ**	**201.9**	**71.3**	**451.3**	**235.2**	**12**	**15**	**6.4**	2.0 U	1.4 U	4.1 U	**130.6**	**261.3**	**135.4**	**192.4**	**285.1**	**12**	**20 J**
Acrolein (propenal)	NA	NA	NA	NA	NA	0.93 U	**1.5 J**	1.1 U	0.46 U	1.2 U	0.46 U	NA	NA	NA	NA	NA	1.0 U	**1.4 J**
Allyl chloride	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	15.3 U	10 U	22.5 U	30.4 U	9.4 U	1.4 U	1.3 U
Benzothiophene	NA	NA	NA	NA	NA	11 UJ	2.2 UJ	2.6 U	1.1 U	1.1 UJ	1.1 U	NA	NA	NA	NA	NA	12 UJ	5.5 U
Bromodichloromethane	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	8 U	5.4 U	12.1 U	16.1 U	5 U	3.0 U	2.7 U
Bromoform	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	12.4 U	8.3 U	18.6 U	24.8 U	7.6 U	4.7 U	4.2 U
Bromomethane	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	4.7 U	3.1 U	7 U	9.3 U	2.9 U	1.8 U	1.6 U
Butadiene, 1,3-	**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	2.7 U	**2.4**	4 U	5.3 U	**8.2**	1.0 U	0.89 U
Butane	NA	NA	NA	NA	NA	**22**	0.96 U	1.1 U	0.48 U	0.48 U	0.48 U	NA	NA	NA	NA	NA	1.1 U	0.95 U
Butanone,2-	**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**	**6.2**	**7.4**	**20.6**	**7.4**	**18.9**	**1.4 J**	**4.6**
Carbon disulfide	**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**	3.7 U	**5.3**	**21.8**	**15.3**	**3**	1.4 U	**5.7 J**
Carbon tetrachloride	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	7.5 U	5 U	11.3 U	15.1 U	4.7 U	2.8 U	2.5 UJ
Chlorobenzene	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	5.5 U	3.7 U	8.3 U	11 U	3.4 U	2.1 U	1.8 U
Chloroethane	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	3.2 U	2.1 U	4.7 U	6.3 U	2 U	1.2 U	1.1 U
Chloroform	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**	5.9 U	**9.8**	8.8 U	11.7 U	3.6 U	2.2 U	**4**
Chloromethane	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	10.1 U	6.6 U	14.9 U	20 U	6.2 U	0.94 U	0.83 U
Chlorotoluene,2-	NA	NA	NA	NA	NA	2.1 U	2.1 U	2.4 U	1.0 U	1.0 U	1.0 U	NA	NA	NA	NA	NA	2.4 U	2.1 U
Cryofluorane	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	8.4 U	5.6 U	12.6 U	16.8 U	5.2 U	3.2 U	2.8 U
Cyclohexane	2.5 U	**6.9**	2.5 U	14.5 U	2.6 U	**0.91 J**	**200**	**25**	**91**	**42**	**4.7**	**344.2**	**4.8**	6.2 U	8.3 U	2.5 U	1.6 U	**130**
Decane, n-	NA	NA	NA	NA	NA	**1.2 J**	**22**	2.7 U	**0.52 J**	1.2 U	**1.6**	NA	NA	NA	NA	NA	**1.1 J**	**18**
Dibromochloromethane	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	10.2 U	6.8 U	15.3 U	20.4 U	6.3 U	3.9 U	3.4 U
Dibromoethane,1,2-	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	9.2 U	6.1 U	13.8 U	18.4 U	5.7 U	3.5 U	3.1 U
Dichlorobenzene,1,2-	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	7.2 U	4.8 U	10.8 U	14.4 U	4.4 U	2.7 U	2.4 U
Dichlorobenzene,1,3-	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	7.2 U	4.8 U	10.8 U	14.4 U	4.4 U	2.7 U	2.4 U
Dichlorobenzene,1,4-	4.4 U	4.4 U	4.4 U	25.3 U	4.6 U	2.4 UJ	2.4 U	2.8 U	1.2 U	1.2 U	**0.96 J**	7.2 U	4.8 U	10.8 U	14.4 U	4.4 U	2.7 UJ	**5.1**
Dichlorodifluoromethane	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**	**5.9**	4 U	8.9 U	11.9 U	**6.4**	**5.3**	**3.4**
Dichloroethane,1,1-	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	4.9 U	3.2 U	7.3 U	9.7 U	3 U	1.8 U	1.6 U
Dichloroethane,1,2-	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	4.9 U	3.2 U	7.3 U	9.7 U	3 U	1.8 U	1.6 U
Dichloroethene, cis-1,2-	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	4.8 U	3.2 U	7.1 U	9.5 U	2.9 U	1.8 U	1.6 U
Dichloroethene,1,1-	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	4.8 U	3.2 U	7.1 U	9.5 U	2.9 U	1.8 U	1.6 U
Dichloropropane,1,2-	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	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	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	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	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	5.4 U	3.6 U	8.2 U	10.9 U	3.4 U	2.1 U	1.8 U
Dioxane,1,4-	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	17.7 U	11.5 U	25.9 U	35 U	10.8 U	4.1 U	1.4 U
Dodecane, n-	NA	NA	NA	NA	NA	**1.1 J**	**9.2**	**0.99 J**	1.4 U	1.4 U	**0.56 J**	NA	NA	NA	NA	NA	**1.6 J**	**13**
Ethanol	**156.4**	**26.4**	**12.2**	**98**	**30.1**	**37**	**9**	**7.7**	3.0 U	**0.89 J**	**0.62 J**	**433.4**	**20.7**	**54.6**	18.3 U	**43.3**	**31**	**6.3**
Ethylthiophene, 2-	NA	NA	NA	NA	NA	1.9 U	1.9 U	2.2 U	0.92 U	0.92 U	0.92 U	NA	NA	NA	NA	NA	2.1 U	1.8 U
Ethyltoluene, p-	**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	5.9 U	**42.8**	8.8 U	11.8 U	**43.3**	**0.56 J**	**3.2**
Heptane, n-	**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	**163.9**	**9.8**	**9**	9.8 U	**14.3**	1.9 U	**4.7**
Hexachlorobutadiene	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	52.3 U	34.1 U	76.8 U	103.5 U	32 UJ	4.8 UJ	4.3 U
Hexane, n-	**6.7**	**10.9**	**7.8**	14.8 U	**10.6**	**1.9**	**300**	**7.1**	**3.4**	0.70 U	**0.28 J**	**6.3 J**	**9.5**	**13.4**	8.5 U	**14.8**	**1.8**	**76**
Hexanone,2-	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	20.1 U	13.1 U	29.5 U	39.7 U	12.3 U	4.6 U	1.6 U
Indan	NA	NA	NA	NA	14.5 U	**0.69 J**	2 U	2.3 U	0.97 U	0.97 U	0.97 U	NA	NA	NA	NA	14.5 U	**0.66 J**	**1.9 J**
Indene	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	NA	NA	NA	NA	14.3 U	2.2 U	1.9 U
Isopropyl benzene	3.6 U	**4.9**	3.6 U	20.6 U	3.7 U	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	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	**6.9**	**15.1**	6.5 U	8.7 U	2.7 U	1.6 U	1.4 U
Methyl-2-pentanone,4-	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	4.9 U	3.3 U	7.4 U	9.8 U	3 U	1.9 U	**2.9**
Methylene chloride	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	4.2 U	2.8 U	6.3 U	**55.6**	2.6 U	**30**	**21**
Methylnaphthalene,1-	NA	NA	NA	NA	NA	30 U	**1.2 J**	2.7 U	14 UJ	1.2 UJ	**0.52 J**	NA	NA	NA	NA	NA	33 U	**1.3 J**
Methylnaphthalene,2-	NA	NA	NA	NA	NA	30 U	**2.2 J**	2.7 U	14 U	1.2 UJ	2.9 U	NA	NA	NA	NA	NA	33 U	**2.3 J**
Methylthiophene, 2-	NA	NA	NA	NA	NA	1.6 U	1.6 U	1.9 U	0.80 U	0.80 U	0.80 U	NA	NA	NA	NA	NA	1.8 U	1.6 U
Methylthiophene, 3-	NA	NA	NA	NA	NA	1.6 U	1.6 U	1.9 U	0.80 U	0.80 U	0.80 U	NA	NA	NA	NA	NA	1.8 U	1.6 U
Naphthalene	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**	25.7 U	16.8 U	37.7 U	50.8 UJ	15.7 U	5.9 U	**4**
Nonane	NA	NA	NA	NA	NA	**1.1 J**	2.1 U	2.5 U	1.0 U	1.0 U	1.0 U	NA	NA	NA	NA	NA	**1.2 J**	**8.4**

Table 5-1
Summary of Soil Vapor Results for OU-1, OU-2 and OU-3
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Units No. 2 3

Sample Name:	OU2SG06	OU2SG06	OU2SG06	OU2SG06	OU2SG06	OU2SG06	OU2SG06	OU2SG06	OU2SG06	OU2SG06	OU2SG06	OU2SG07	OU2SG07	OU2SG07	OU2SG07	OU2SG07	OU2SG07	OU2SG07
Sample Date:	5/5/2005	8/30/2005	2/2/2006	6/14/2006	9/7/2006	2/21/2007	6/13/2007	9/19/2007	12/18/2007	4/3/2008	6/25/2008	5/25/2005	8/30/2005	2/1/2006	6/14/2006	9/7/2006	2/21/2007	5/24/2007
Other VOCs Continued (ug/m3)																		
Octane, n-	NA	NA	NA	NA	NA	**0.67 J**	1.9 U	2.2 U	0.93 U	0.93 U	0.93 U	NA	NA	NA	NA	NA	**0.53 J**	**1.8 J**
Pentane	NA	NA	NA	NA	NA	**3.2**	1.2 U	1.4 U	0.59 U	0.59 U	0.59 U	NA	NA	NA	NA	NA	1.3 U	1.2 U
Propanol,2-	**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	**36.9 J**	7.9 U	17.7 U	23.8 U	7.4 U	**1.7**	**1.9 J**
Propylbenzene, n-	3.6 U	**10.8**	3.6 U	20.6 U	**10.8**	NA	NA	NA	NA	NA	NA	5.9 U	**8.4**	8.8 U	11.8 U	**10.3**	NA	NA
Styrene	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	5.1 U	**4**	7.7 U	10.2 U	3.2 U	1.9 U	**1.1 J**
t-Butyl alcohol	NA	NA	NA	NA	NA	1.2 U	**1.4**	**0.43 J**	0.61 U	0.61 U	0.61 U	NA	NA	NA	NA	NA	1.4 U	**0.85 J**
Tetrachloroethane,1,1,2,2-	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	8.2 U	5.5 U	12.4 U	16.5 U	5.1 U	3.1 U	2.8 U
Tetrachloroethene	**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**	8.1 U	**29.2**	**27.8**	**23.1**	**39.3**	**4.6**	**26**
Tetrahydrofuran	2.2 U	2.2 U	**2.2 J**	12.4 U	2.2 U	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-	NA	NA	NA	NA	NA	2.2 U	**4**	2.6 U	1.1 U	1.1 U	1.1 U	NA	NA	NA	NA	NA	2.5 U	**10 J**
Thiophene	NA	NA	NA	NA	NA	1.4 U	1.4 U	1.6 U	0.69 U	0.69 U	0.69 U	NA	NA	NA	NA	NA	1.6 U	1.4 U
Trans-1,2-dichloroethene	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	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-	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**	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-	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	36.4 U	23.7 U	53.4 U	72 U	22.3 UJ	3.4 UJ	3 U
Trichloroethane,1,1,1-	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	6.5 U	4.4 U	9.8 U	13.1 U	4 U	2.5 U	2.2 UJ
Trichloroethane,1,1,2-	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	6.5 U	4.4 U	9.8 U	13.1 U	4 U	2.5 U	2.2 U
Trichloroethene	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	**8.1**	4.3 U	9.7 U	12.9 U	4 U	2.4 U	2.2 U
Trichlorofluoromethane	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**	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-	NA	NA	NA	NA	NA	**1.4 J**	**1.7 J**	2.3 U	0.98 U	0.98 U	0.98 U	NA	NA	NA	NA	NA	**1.7 J**	**4.3**
Trimethylbenzene,1,2,4-	**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	5.9 U	**40.3**	8.8 U	11.8 U	**54.1 J**	**3.5**	**16 J**
Trimethylbenzene,1,3,5-	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	5.9 U	**14.3**	8.8 U	11.8 U	**12.8**	**1.1 J**	**4.1**
Trimethylpentane, 2,2,4-	**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	5.6 U	**10.7**	**1775.4**	**2429.4**	**1308.2**	2.1 U	1.9 U
Undecane, n-	NA	NA	NA	NA	NA	**1.0 J**	2.6 U	3.0 U	1.3 U	1.3 U	1.3 U	NA	NA	NA	NA	NA	**1.0 J**	**20**
Vinyl bromide	NA	NA	NA	NA	NA	1.8 U	1.8 U	2.1 U	0.87 U	0.87 U	0.87 U	NA	NA	NA	NA	NA	2.0 U	1.8 U
Vinyl chloride	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	3.1 U	2 U	4.6 U	6.1 U	1.9 U	1.2 U	1 U

Table 5-1
Summary of Soil Vapor Results for OU-1, OU-2 and OU-3
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Units No. 2 3

Sample Name:	OU2SG07	OU2G07	OU2SG07	OU2SG07	OU2SG08	OU2SG08	OU2SG08	OU2SG08	OU2SG08	OU2SG08	OU2SG08	OU2SG08	OU2SG08	OU2SG08	OU2SG08	OU2SG08	OU2SG09	OU2SG09
Sample Date:	9/12/2007	12/19/2007	4/3/2008	6/24/2008	5/25/2005	8/31/2005	2/2/2006	6/15/2006	9/8/2006	2/21/2007	5/24/2007	7/25/2007	9/12/2007	12/19/2007	3/27/2008	6/18/2008	5/25/2005	8/31/2005
BTEX (ug/m3)																		
Benzene	1.4 U	**0.16 J**	0.64 U	0.64 U	**5.1**	**5.4**	2.2 U	11.5 U	**11.2**	**0.55 J**	1.3 U	**0.62 J**	1.6 U	0.64 U	0.64 U	0.64 UJ	2.2 U	**5.8**
Ethylbenzene	1.9 U	**0.22 J**	**0.56 J**	**0.69 J**	3 U	**24.8**	**4.8**	15.6 U	**25.6**	**1.7 J**	**5.4**	**2.2 J**	2.2 U	0.87 U	0.87 U	0.87 U	3 U	**20.4**
Toluene	**23**	**16**	**10**	**0.94**	**11.3**	**82.9**	**6**	**28.6**	**128.1**	**4.3**	**8.9**	**120 J**	**3.1**	**1.7**	**0.85**	**2.5**	**10.6**	**82.9**
Xylene, m,p-	**1.3 J**	**0.61 J**	**1.7 J**	**2.0**	**4.8**	**95.5**	**4.8**	**15.6**	**91.2**	**5.1**	**5.7**	**4.6 J**	4.3 U	1.7 U	**0.22 J**	1.7 U	**4.2**	**78.2**
Xylene, o-	**0.67 J**	**0.30 J**	**0.41 J**	**0.91**	3 U	**35.2**	3 U	15.6 U	**24.3**	**1.9 J**	**3**	**2.4 J**	2.2 U	0.87 U	0.87 U	0.87 U	3 U	**30.4**
Other VOCs (ug/m3)																		
Acetaldehyde	**85**	1.8 U	4.5 U	**32**	NA	NA	NA	NA	NA	0.78 UJ	**130 J**	**170 J**	**97**	2.7 U	4.5 U	**9.8**	NA	NA
Acetone	**11**	2.6 U	2.5 U	**17**	**57**	**285.1**	**10.5**	**522.6**	**137.8**	**8.8**	**15 J**	**23 J**	**13**	0.90 U	2.1 U	**2.5**	**52.3**	**285.1**
Acrolein (propenal)	1.0 U	0.46 U	1.2 U	**0.34 J**	NA	NA	NA	NA	NA	0.99 U	2.3 U	1.2 UJ	1.2 U	0.46 U	1.2 U	**0.18 J**	NA	NA
Allyl chloride	1.4 U	0.63 U	0.63 U	0.63 UJ	8.8 U	9.7 U	8.8 U	43.8 U	9.1 U	1.4 U	1.3 U	1.6 U	1.6 U	0.63 U	0.63 U	0.63 U	8.8 U	10 U
Benzothiophene	30 U	1.1 U	1.1 UJ	1.1 U	NA	NA	NA	NA	NA	12 UJ	5.5 U	2.8 U	34 U	1.1 U	1.1 U	1.1 U	NA	NA
Bromodichloromethane	3.0 U	1.3 U	1.3 U	1.3 U	4.7 U	5.2 U	4.7 U	24.1 U	4.8 U	2.9 U	2.7 U	3.4 U	3.4 U	1.3 U	1.3 U	1.3 U	4.7 U	5.3 U
Bromoform	4.6 U	2.1 U	2.1 U	2.1 U	7.2 U	8.1 U	7.2 U	37.2 U	7.4 U	4.5 U	4.2 U	5.2 U	5.2 U	2.1 U	2.1 U	2.1 U	7.2 U	8.2 U
Bromomethane	1.7 U	0.78 U	0.78 U	0.78 U	2.7 U	3 U	2.7 U	14 U	2.8 U	1.7 U	1.6 U	2 U	1.9 U	0.78 U	0.78 U	0.78 U	2.7 U	3.1 U
Butadiene, 1,3-	0.98 U	0.44 U	0.44 U	0.44 U	1.5 U	**3.1**	1.5 U	8 U	**2.7**	0.96 U	0.89 U	1.1 U	1.1 U	0.44 U	0.44 U	0.44 U	1.5 U	1.7 U
Butane	1.0 U	0.48 U	0.48 U	**0.17 J**	NA	NA	NA	NA	NA	**0.62 J**	**0.6 J**	1.2 U	**0.36 J**	0.48 U	**0.97**	0.48 U	NA	NA
Butanone,2-	**5.2**	**0.50 J**	**0.42 J**	**1.7**	**6.5**	**32.4**	2.1 U	**35.4**	**10.9**	**1.5 J**	**7.2**	**4.1 J**	**4.5**	0.59 U	1.5 U	**0.44 J**	**4.4**	**22.7**
Carbon disulfide	**7.4**	**0.37 J**	**3.1**	**0.40 J**	**2.4**	**62.3**	2.2 U	**22.7**	**25.2**	1.4 U	1.2 U	**4.1 J**	1.6 U	**0.22 J**	0.62 U	0.62 U	**2.8**	**3.4**
Carbon tetrachloride	2.8 U	1.3 U	1.3 U	1.3 U	4.4 U	4.9 U	4.4 U	22.6 U	4.5 U	2.7 U	2.5 UJ	3.2 U	3.1 U	1.3 U	1.3 U	1.3 U	4.4 U	5 U
Chlorobenzene	2.0 U	0.92 U	0.92 U	0.92 U	3.2 U	3.6 U	3.2 U	16.6 U	3.3 U	2.0 U	1.8 U	2.3 U	2.3 U	0.92 U	0.92 U	0.92 U	3.2 U	3.6 U
Chloroethane	1.2 U	0.53 U	0.53 U	0.53 U	1.8 U	2.1 U	1.8 U	9.5 U	1.9 U	1.1 U	1.1 U	1.3 U	1.3 U	0.53 U	0.53 U	0.53 U	1.8 U	2.1 U
Chloroform	**5.7**	**3.1**	**0.75 J**	**2.9**	3.4 U	3.8 U	3.4 U	17.6 U	3.5 U	2.1 U	2 U	**0.89 J**	**1.7 J**	**0.39 J**	**0.62 J**	**1.7**	3.4 U	3.9 U
Chloromethane	**0.50 J**	0.41 U	**0.48**	0.41 U	5.8 U	6.4 U	5.8 U	28.9 U	6 U	0.90 U	0.83 U	**0.72 J**	1.0 U	0.41 U	0.41 U	**0.12 J**	5.8 U	6.6 U
Chlorotoluene,2-	2.3 U	1.0 U	1.0 U	1.0 U	NA	NA	NA	NA	NA	2.2 U	2.1 U	2.6 U	2.6 U	1.0 U	1.0 U	1.0 U	NA	NA
Cryofluorane	3.1 U	1.4 U	1.4 U	1.4 U	4.9 U	5.5 U	4.9 U	25.2 U	5 U	3.0 U	2.8 U	3.6 U	3.5 U	1.4 U	1.4 U	1.4 U	4.9 U	5.5 U
Cyclohexane	**3.4**	**0.31 J**	**0.53 J**	0.69 U	**154.9**	**5.9**	2.4 U	12.4 U	2.5 U	**0.45 J**	1.4 U	**67 J**	**2.1**	0.69 U	0.69 U	0.69 U	**130.8**	**5.9**
Decane, n-	2.6 U	1.2 U	1.2 U	**61**	NA	NA	NA	NA	NA	2.5 U	**9.2**	**1.5 J**	2.9 U	1.2 U	**0.55 J**	**0.76 J**	NA	NA
Dibromochloromethane	3.8 U	1.7 U	1.7 U	1.7 U	6 U	6.6 U	6 U	30.7 U	6.1 U	3.7 U	3.4 U	4.3 U	4.3 U	1.7 U	1.7 U	1.7 U	6 U	6.7 U
Dibromoethane,1,2-	3.4 U	1.5 U	1.5 U	1.5 U	5.4 U	6 U	5.4 U	27.7 U	5.5 U	3.3 U	3.1 U	3.9 U	3.8 U	1.5 U	1.5 U	1.5 U	5.4 U	6.1 U
Dichlorobenzene,1,2-	2.7 U	1.2 U	1.2 U	1.2 U	4.2 U	4.7 U	4.2 U	21.6 U	4.3 U	2.6 U	2.4 U	3 U	3.0 U	1.2 U	1.2 U	1.2 U	4.2 U	4.7 U
Dichlorobenzene,1,3-	2.7 U	1.2 U	1.2 U	**5.5**	4.2 U	**36.1**	4.2 U	21.6 U	4.3 U	2.6 U	**3.3**	3 U	3.0 U	1.2 U	1.2 U	1.2 U	4.2 U	**72.1**
Dichlorobenzene,1,4-	**2.3 J**	**0.54 J**	**0.85 J**	**0.48 J**	4.2 U	4.7 U	4.2 U	21.6 U	4.3 U	2.6 UJ	2.4 U	3 U	3.0 U	1.2 U	1.2 U	**0.84 J**	4.2 U	4.7 U
Dichlorodifluoromethane	**5.2**	**5.9**	**2.9**	**4.6**	3.5 U	3.9 U	3.5 U	17.8 U	3.6 U	**2.6**	**2.7**	**2.3 J**	**2.8**	**2.6**	**2.0**	**2.1**	3.5 U	3.9 U
Dichloroethane,1,1-	1.8 U	0.81 U	0.81 U	0.81 U	2.8 U	3.2 U	2.8 U	14.6 U	2.9 U	1.8 U	1.6 U	2 U	2.0 U	0.81 U	0.81 U	0.81 U	2.8 U	3.2 U
Dichloroethane,1,2-	1.8 U	0.81 U	0.81 U	0.81 U	2.8 U	3.2 U	2.8 U	14.6 U	2.9 U	1.8 U	1.6 U	2 U	2.0 U	0.81 U	0.81 U	0.81 U	2.8 U	3.2 U
Dichloroethene, cis-1,2-	1.8 U	0.79 U	0.79 U	0.79 U	2.8 U	3.1 U	2.8 U	14.3 U	2.9 U	1.7 U	1.6 U	2 U	2.0 U	0.79 U	0.79 U	0.79 U	2.8 U	3.1 U
Dichloroethene,1,1-	1.8 U	0.79 U	0.79 U	0.79 U	2.8 U	3.1 U	2.8 U	14.3 U	2.9 U	1.7 U	1.6 U	2 U	2.0 U	0.79 U	0.79 U	0.79 U	2.8 U	3.1 U
Dichloropropane,1,2-	2.0 U	0.92 U	0.92 U	0.92 U	3.2 U	3.6 U	3.2 U	16.6 U	3.3 U	2.0 U	1.9 U	2.4 U	2.3 U	0.92 U	0.92 U	0.92 U	3.2 U	3.7 U
Dichloropropene, cis-1,3	2.0 U	0.91 U	0.91 U	0.91 U	3.2 U	3.5 U	3.2 U	16.3 U	3.3 U	2.0 U	1.8 U	2.3 U	2.3 U	0.91 U	0.91 U	0.91 U	3.2 U	3.6 U
Dichloropropene, trans-1,3	2.0 U	0.91 U	0.91 U	0.91 U	3.2 U	3.5 U	3.2 U	16.3 U	3.3 U	2.0 U	1.8 U	2.3 U	2.3 U	0.91 U	0.91 U	0.91 U	3.2 U	3.6 U
Dioxane,1,4-	1.6 UJ	1.8 U	0.72 U	0.72 U	10.1 U	11.2 U	10.1 U	50.4 U	10.5 U	3.9 U	1.4 U	1.8 U	1.8 UJ	1.8 U	0.72 U	0.72 U	10.1 U	11.5 U
Dodecane, n-	**2.0 J**	**0.56 J**	**0.68 J**	**37 J**	NA	NA	NA	NA	NA	3.0 U	**16**	**8**	**0.87 J**	**0.49 J**	**0.45 J**	**3.1 J**	NA	NA
Ethanol	**35**	2.7 U	**30**	**2.4**	**75.4**	**866.7 EJ**	**17.1**	**32**	**35.8**	**22**	**5.1**	**37 J**	**39**	2.4 U	**1.2 J**	**1.2 J**	**96.1**	**829 EJ**
Ethylthiophene, 2-	2.0 U	0.92 U	0.92 U	0.92 U	NA	NA	NA	NA	NA	2.0 U	1.8 U	2.3 U	2.3 U	0.92 U	0.92 U	0.92 U	NA	NA
Ethyltoluene, p-	2.2 U	0.98 U	0.98 U	**0.49 J**	3.4 U	**31.5**	3.4 U	17.7 U	**33.9**	2.1 U	2 U	2.5 U	2.5 U	0.98 U	0.98 U	0.98 U	3.4 U	**27.5**
Heptane, n-	1.8 U	0.82 U	0.82 UJ	**1.2 J**	**180.3**	**14.3**	2.9 U	14.8 U	**9.4**	**0.53 J**	1.6 U	**0.96 J**	2.0 U	0.82 U	**0.45 J**	0.82 U	**135.2**	**10.2**
Hexachlorobutadiene	4.7 U	2.1 U	2.1 U	2.1 U	29.9 U	33.1 U	29.9 U	149.3 U	30.9 U	4.6 UJ	4.3 U	5.4 U	5.3 U	2.1 U	2.1 U	2.1 U	29.9 U	34.1 U
Hexane, n-	**4.5**	0.70 U	0.70 U	0.70 U	**3.1 J**	**9.5**	2.5 U	12.7 U	**8.8**	**1.8**	**1.8**	**66 J**	**6.2**	0.70 U	**0.46 J**	0.70 U	2.5 U	**9.2**
Hexanone,2-	**0.54 J**	0.82 U	0.82 U	0.82 U	11.5 U	12.7 U	11.5 U	57.4 U	11.9 U	4.4 U	1.6 U	**0.73 J**	2.0 U	0.82 U	0.82 U	0.82 U	11.5 U	13.1 U
Indan	2.1 U	0.97 U	0.97 U	**0.72 J**	NA	NA	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	NA	NA
Indene	2.1 U	0.95 U	0.95 U	0.95 U	NA	NA	NA	NA	13.8 U	2.1 U	1.9 U	**0.72 J**	2.4 U	0.95 U	0.95 U	0.95 U	NA	NA
Isopropyl benzene	NA	NA	NA	NA	3.4 U	3.8 U	3.4 U	17.7 U	3.5 U	NA	NA	NA	NA	NA	NA	NA	3.4 U	3.9 U
Methyl tert-butyl ether	1.6 U	0.72 U	0.72 U	0.72 U	2.5 U	**17.3**	2.5 U	13 U	2.6 U	1.6 U	1.4 U	1.8 U	1.8 U	0.72 U	0.72 U	0.72 U	2.5 U	**21.6**
Methyl-2-pentanone,4-	1.8 U	0.82 U	0.82 U	0.82 U	2.9 U	**8.2**	2.9 U	14.7 U	2.9 U	**0.53 J**	**0.9 J**	2.1 U	2.0 U	0.82 U	0.82 U	0.82 U	2.9 U	**7.4**
Methylene chloride	**10**	0.94 U	1.7 U	1.7 U	2.4 U	2.7 U	2.4 U	12.5 U	2.5 U	**3.9 J**	**21**	**12 J**	**14**	0.87 U	**0.27 J**	1.7 U	2.4 U	2.7 U
Methylnaphthalene,1-	13 U	14 UJ	1.2 UJ	2.9 UJ	NA	NA	NA	NA	NA	32 U	29 U	**1.2 J**	14 U	14 UJ	1.2 U	2.9 U	NA	NA
Methylnaphthalene,2-	32 U	14 U	1.2 UJ	2.9 UJ	NA	NA	NA	NA	NA	32 U	12 U	37 UJ	36 U	14 U	1.2 U	2.9 UJ	NA	NA
Methylthiophene, 2-	1.8 U	0.80 U	0.80 U	0.80 U	NA	NA	NA	NA	NA	1.7 U	1.6 U	2 U	2.0 U	0.80 U	0.80 U	0.80 U	NA	NA
Methylthiophene, 3-	1.8 U	0.80 U	0.80 U	0.80 U	NA	NA	NA	NA	NA	1.7 U	1.6 U	2 U	2.0 U	0.80 U	0.80 U	0.80 U	NA	NA
Naphthalene	**1.4 J**	1.0 U	1.0 U	**1.0**	14.7 U	16.3 U	14.7 U	73.4 UJ	15.2 U	5.7 U	2.1 U	**2.2 J**	2.6 U	1.0 U	1.0 U	**0.26 J**	14.7 U	16.8 U
Nonane	2.3 U	1.0 U	1.0 U	**1.2**	NA	NA	NA	NA	NA	**0.91 J**	**1.7 J**	2.7 U	2.6 U	1.0 U	1.0 U	1.0 U	NA	NA

Table 5-1
Summary of Soil Vapor Results for OU-1, OU-2 and OU-3
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Units No. 2 3

Sample Name:	OU2SG07	OU2G07	OU2SG07	OU2SG07	OU2SG08	OU2SG08	OU2SG08	OU2SG08	OU2SG08	OU2SG08	OU2SG08	OU2SG08	OU2SG08	OU2SG08	OU2SG08	OU2SG08	OU2SG09	OU2SG09
Sample Date:	9/12/2007	12/19/2007	4/3/2008	6/24/2008	5/25/2005	8/31/2005	2/2/2006	6/15/2006	9/8/2006	2/21/2007	5/24/2007	7/25/2007	9/12/2007	12/19/2007	3/27/2008	6/18/2008	5/25/2005	8/31/2005
Other VOCs Continued (ug/m3)																		
Octane, n-	2.1 U	0.93 U	0.93 U	**240**	NA	NA	NA	NA	NA	**0.61 J**	1.9 U	2.4 U	2.3 U	0.93 U	0.93 U	**2.8**	NA	NA
Pentane	1.3 U	**1.5**	0.59 U	**0.35 J**	NA	NA	NA	NA	NA	**0.51 J**	1.2 U	**0.76 J**	1.5 U	0.59 U	**0.79**	0.59 U	NA	NA
Propanol,2-	**1.2**	**2.0 J**	**0.40 J**	1.2 UJ	**7.1 J**	**712.8**	6.9 U	34.4 U	7.1 U	**1.8**	**7.2**	**2.6 J**	**1.7**	0.49 U	**0.39 J**	1.2 UJ	**8.8 J**	**786.5 EJ**
Propylbenzene, n-	NA	NA	NA	NA	3.4 U	**6.4**	3.4 U	17.7 U	**8.4**	NA	NA	NA	NA	NA	NA	NA	3.4 U	**5.4**
Styrene	1.9 U	0.85 U	0.85 U	**0.55 J**	3 U	**4**	3 U	15.3 U	3.1 U	1.8 U	**4**	2.2 U	2.1 U	0.85 U	0.85 U	0.85 U	3 U	**4**
t-Butyl alcohol	**0.80 J**	0.61 U	0.61 U	**1.8**	NA	NA	NA	NA	NA	1.3 U	1.2 U	**1.9 J**	**1.2 J**	0.61 U	0.61 U	0.61 U	NA	NA
Tetrachloroethane,1,1,2,2-	3.0 U	1.4 U	1.4 U	1.4 U	4.8 U	5.4 U	4.8 U	24.7 U	4.9 U	3.0 U	2.8 U	3.5 U	3.4 U	1.4 U	1.4 U	1.4 U	4.8 U	5.4 U
Tetrachloroethene	**35**	**4.7**	**7.4**	**30**	**14.9**	**19.7**	4.7 U	24.4 U	**18.3**	2.9 U	**3.5**	**2.2 J**	**1.0 J**	1.4 U	1.4 U	**0.68 J**	**10.2**	**29.8**
Tetrahydrofuran	NA	NA	NA	NA	2.1 U	**5.9**	2.1 U	10.6 U	2.1 U	NA	NA	NA	NA	NA	NA	NA	2.1 U	**7.1**
Tetramethylbenzene, 1,2,4,5-	**3.4 J**	1.1 U	**0.28 J**	**2.9 J**	NA	NA	NA	NA	NA	2.4 U	11 U	**3.2 J**	34 U	1.1 U	1.1 U	1.1 U	NA	NA
Thiophene	1.5 UJ	0.69 U	0.69 U	0.69 U	NA	NA	NA	NA	NA	1.5 U	1.4 U	1.8 U	1.7 UJ	0.69 U	0.69 U	0.69 U	NA	NA
Trans-1,2-dichloroethene	1.8 U	0.79 U	0.79 U	0.79 U	2.8 U	3.1 U	2.8 U	14.3 U	2.9 U	1.7 U	1.6 U	2 U	2.0 U	0.79 U	0.79 U	0.79 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**	5.4 U	6 U	5.4 U	27.6 U	5.5 U	3.3 U	3.1 U	3.9 U	3.8 U	**0.46 J**	1.5 U	**0.69 J**	5.4 U	6.1 U
Trichlorobenzene,1,2,4-	3.3 U	1.5 U	1.5 U	1.5 U	20.8 U	23 U	20.8 U	103.9 U	21.5 U	3.2 UJ	3 U	3.8 U	3.7 U	1.5 U	1.5 U	1.5 U	20.8 U	23.7 U
Trichloroethane,1,1,1-	2.4 U	1.1 U	1.1 U	1.1 U	3.8 U	4.3 U	3.8 U	19.6 U	3.9 U	2.4 U	2.2 UJ	2.8 U	2.7 U	1.1 U	1.1 U	1.1 U	3.8 U	4.3 U
Trichloroethane,1,1,2-	2.4 U	1.1 U	1.1 U	1.1 U	3.8 U	4.3 U	3.8 U	19.6 U	3.9 U	2.4 U	2.2 U	2.8 U	2.7 U	1.1 U	1.1 U	1.1 U	3.8 U	4.3 U
Trichloroethene	2.4 U	1.1 U	1.1 U	**0.59 J**	3.8 U	4.2 U	3.8 U	19.3 U	3.9 U	2.3 U	2.2 U	2.7 U	2.7 U	1.1 U	1.1 U	1.1 U	3.8 U	4.2 U
Trichlorofluoromethane	**1.5 J**	**1.5**	**1.7**	**1.7**	3.9 U	4.4 U	3.9 U	20.2 U	4 U	**1.3 J**	**1.7 J**	**1.5 J**	**1.5 J**	**1.1**	**1.1 J**	**1.5**	3.9 U	4.4 U
Trimethylbenzene,1,2,3-	2.2 U	0.98 U	0.98 U	**3.3**	NA	NA	NA	NA	NA	**1.3 J**	2 U	**1 J**	2.5 U	0.98 U	0.98 U	0.98 U	NA	NA
Trimethylbenzene,1,2,4-	2.2 U	0.98 U	0.98 U	**0.84 J**	3.4 U	**29**	3.4 U	17.7 U	**38.8**	**2.6**	**3.5 J**	**0.72 J**	2.5 U	0.98 U	0.98 U	0.98 U	3.4 U	**30**
Trimethylbenzene,1,3,5-	2.2 U	0.98 U	0.98 U	**1.6**	3.4 U	**10.8**	3.4 UJ	17.7 U	**9.8**	**0.75 J**	2 U	2.5 U	2.5 U	0.98 U	0.98 U	0.98 U	3.4 U	**10.8**
Trimethylpentane, 2,2,4-	2.1 U	0.93 U	0.93 UJ	0.93 U	3.3 U	**15**	**214.9**	**4391.7**	**934.4**	**0.51 J**	1.9 U	2.4 U	2.3 U	0.93 U	0.93 U	0.93 U	3.3 U	**16.8**
Undecane, n-	2.8 U	**0.51 J**	1.3 U	**11**	NA	NA	NA	NA	NA	2.8 U	**4.6**	3.2 U	3.2 U	**0.64 J**	**0.52 J**	1.3 U	NA	NA
Vinyl bromide	1.9 U	0.87 U	0.87 U	0.87 U	NA	NA	NA	NA	NA	1.9 U	1.8 U	2.2 U	2.2 U	0.87 U	0.87 U	0.87 U	NA	NA
Vinyl chloride	1.1 U	0.51 U	0.51 U	0.51 U	1.8 U	2 U	1.8 U	9.2 U	1.8 U	1.1 U	1 U	1.3 U	1.3 U	0.51 U	0.51 U	0.51 U	1.8 U	2 U

Table 5-1
Summary of Soil Vapor Results for OU-1, OU-2 and OU-3
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Units No. 2 3

Sample Name:	OU2SG09	OU2SG09	OU2SG09	OU2SG09	Duplicate of OU2SG09	OU2SG09	OU2SG09	OU2SG09	OU2SG09	OU2SG09	OU2SG09	OU2SG10	OU2SG10	OU2SG10	OU2SG10	OU2SG10	OU2SG10	OU2SG10
Sample Date:	2/2/2006	6/15/2006	9/8/2006	2/21/2007	2/21/2007	5/24/2007	7/25/2007	9/12/2007	12/19/2007	3/27/2008	6/18/2008	5/25/2005	8/31/2005	2/2/2006	6/15/2006	9/8/2006	2/22/2007	6/14/2007
BTEX (ug/m3)																		
Benzene	**3.1**	10.2 U	**10.2**	1.4 UJ	0.74 UJ	1.3 U	1.8 UJ	1.4 U	0.64 U	0.64 U	0.64 UJ	**2.8**	**4.5**	**5.8**	**26.2**	**19.5**	**2.2**	**2.2 J**
Ethylbenzene	**6.5**	13.9 U	**21.7**	**1.2 J**	1.1 U	**3.2**	2.5 U	1.9 U	0.87 U	0.87 U	0.87 U	3.6 U	**17.8**	**8.3**	23.4 U	**26.1**	**2.9**	**13**
Toluene	**14.3**	**37.7**	**105.5**	**3.7 J**	4.1 UJ	**120**	**32**	**5.2**	**8.7**	**1.2**	**2.4**	**18.5**	**64.1**	**37.7**	**52.8**	**135.7**	**13**	**1100**
Xylene, m,p-	**10.4**	**22.1**	**78.2**	**3.9 J**	3.2 UJ	**7.5**	**0.92 J**	3.8 U	**0.26 J**	1.7 U	1.7 U	**9.1**	**73.8**	**21.3**	**37.3**	**91.2**	**7.9**	**34**
Xylene, o-	**4.3**	13.9 U	**22.1**	**1.4 J**	1.3 U	**5**	2.5 U	1.9 U	0.87 U	0.87 U	0.87 U	3.6 U	**27.8**	**6.1**	23.4 U	**26.5**	**3.0**	**10**
Other VOCs (ug/m3)																		
Acetaldehyde	NA	NA	NA	0.82 UJ	0.41 UJ	**87 J**	**92**	**54**	2.2 U	4.5 U	**8.7**	NA	NA	NA	NA	NA	**2.1 J**	**54 J**
Acetone	**42.8**	**356.3**	**109.3**	**16**	14 U	**14 J**	**23 J**	**9.1**	1.1 U	1.4 U	**4.0**	**111.6**	**206.7**	**35.6**	**950.2**	**102.1**	**17**	**47**
Acrolein (propenal)	NA	NA	NA	1.0 U	0.52 UJ	2.3 U	1.3 U	1.0 U	0.46 U	1.2 U	**0.27 J**	NA	NA	NA	NA	NA	1.0 U	1.8 UJ
Allyl chloride	9.4 U	40.7 U	10 U	1.4 U	0.71 U	1.3 U	1.8 U	1.4 U	0.63 U	0.63 U	0.63 U	10.6 U	10.6 U	8.8 U	68.9 U	9.1 U	1.4 U	2.5 U
Benzothiophene	NA	NA	NA	12 UJ	6.2 U	5.6 U	3.1 U	30 U	1.1 U	1.1 U	1.1 U	NA	NA	NA	NA	NA	12 UJ	4.4 UJ
Bromodichloromethane	5.1 U	21.4 U	5.4 U	3.0 U	1.5 U	2.7 U	3.8 U	3.0 U	1.3 U	1.3 U	1.3 U	5.6 U	5.6 U	4.7 U	36.2 U	4.9 U	3.0 U	5.4 U
Bromoform	7.9 U	33.1 U	8.3 U	4.7 U	2.4 UJ	4.2 U	5.8 U	4.6 U	2.1 U	2.1 U	2.1 U	8.7 U	8.7 U	7.2 U	55.8 U	7.5 U	4.7 U	8.3 U
Bromomethane	3 U	12.4 U	3.1 U	1.8 U	0.88 U	1.6 U	2.2 U	1.7 U	0.78 U	0.78 U	0.78 U	3.3 U	3.3 U	2.7 U	21 U	2.8 U	1.8 U	3.1 U
Butadiene, 1,3-	**2.7**	7.1 U	1.8 U	1.0 U	0.50 U	0.9 U	1.2 U	0.98 U	0.44 U	0.44 U	0.44 U	1.9 U	1.9 U	**7.3**	**15.7**	**11.3**	1.0 U	1.8 U
Butane	NA	NA	NA	1.1 UJ	0.68 UJ	0.96 U	1.3 U	1.0 U	0.48 U	0.48 U	0.48 U	NA	NA	NA	NA	NA	**11**	**1.5 J**
Butanone,2-	**5.6 J**	**20.3**	**8.6**	**1.5 J**	1.7 U	**2.4**	**6.4**	**2.3**	0.59 U	1.5 U	**0.80**	**8.8**	**14.2**	**5 J**	**79.6**	**15.9**	**1.9 J**	2.4 UJ
Carbon disulfide	2.4 U	10 U	**2.5**	1.4 U	0.71 U	**2.8 J**	**15**	**7.8**	**0.37 J**	**0.68**	**6.9**	2.6 U	**5.6**	**3.1**	16.8 U	**5**	**7.6**	**13 J**
Carbon tetrachloride	4.8 U	20.1 U	5 U	2.8 U	1.4 U	2.6 UJ	3.6 UJ	2.8 U	1.3 U	1.3 U	1.3 U	5.3 U	5.3 U	4.4 U	34 U	4.6 U	2.8 U	5 U
Chlorobenzene	3.5 U	14.7 U	3.7 U	2.1 U	1.0 U	1.9 U	2.6 U	2.0 U	0.92 U	0.92 U	0.92 U	3.9 U	3.9 U	3.2 U	24.9 U	3.4 U	2.1 U	3.7 U
Chloroethane	2 U	8.4 U	2.1 U	1.2 U	0.60 U	1.1 U	1.5 U	1.2 U	0.53 U	0.53 U	0.53 U	2.2 U	2.2 U	1.8 U	14.2 U	1.9 U	1.2 U	2.1 U
Chloroform	3.7 U	15.6 U	3.9 U	2.2 U	**0.44 J**	**2.5**	**2.9**	**2.7**	**0.49 J**	**1.2**	**3.3**	4.1 U	**10.7**	3.4 U	26.4 U	3.6 U	2.2 U	**1500**
Chloromethane	6.2 U	26.8 U	6.6 U	0.94 U	0.47 UJ	0.84 U	**0.55 J**	0.91 U	0.41 U	0.41 U	**0.14 J**	7 U	7 U	5.8 U	45.4 U	6 U	0.93 U	1.6 U
Chlorotoluene,2-	NA	NA	NA	2.4 U	1.2 U	2.1 U	2.9 U	2.3 U	1.0 U	1.0 U	1.0 U	NA	NA	NA	NA	NA	2.3 U	4.1 U
Cryofluorane	5.3 U	22.4 U	5.6 U	3.2 U	1.6 U	2.8 U	4 U	3.1 U	1.4 U	1.4 U	1.4 U	5.9 U	5.9 U	4.9 U	37.7 U	5.1 U	3.2 U	5.6 U
Cyclohexane	2.6 U	11 U	2.8 U	1.6 U	0.79 U	**36**	**3.1**	**0.68 J**	**1.4**	**0.25 J**	**0.28 J**	**271.9**	**3.4**	2.4 U	18.6 U	**2.9**	**1.6**	**270**
Decane, n-	NA	NA	NA	2.6 UJ	1.3 U	**14**	**5.2**	2.6 U	1.2 U	1.2 U	**0.64 J**	NA	NA	NA	NA	NA	**0.92 J**	**4.6 J**
Dibromochloromethane	6.5 U	27.3 U	6.8 U	3.9 U	1.9 U	3.5 U	4.8 U	3.8 U	1.7 U	1.7 U	1.7 U	7.2 U	7.2 U	6 U	46 U	6.2 U	3.8 U	6.8 U
Dibromoethane,1,2-	5.8 U	24.6 U	6.1 U	3.5 U	1.8 U	3.1 U	4.4 U	3.4 U	1.5 U	1.5 U	1.5 U	6.5 U	6.5 U	5.4 U	41.5 U	5.6 U	3.5 U	6.1 U
Dichlorobenzene,1,2-	4.6 U	19.2 U	4.8 U	2.7 U	1.4 U	2.4 U	3.4 U	2.7 U	1.2 U	1.2 U	1.2 U	5.1 U	5.1 U	4.2 U	32.5 U	4.4 U	2.7 U	4.8 U
Dichlorobenzene,1,3-	4.6 U	19.2 U	4.8 U	2.7 U	1.4 U	2.4 U	3.4 U	2.7 U	1.2 U	1.2 U	1.2 U	5.1 U	5.1 U	4.2 U	32.5 U	4.4 U	2.7 U	4.8 U
Dichlorobenzene,1,4-	4.6 U	19.2 U	4.8 U	2.7 UJ	1.4 U	**2.2 J**	**1.2 J**	2.7 U	1.2 U	1.2 U	1.2 U	5.1 U	5.1 U	4.2 U	32.5 U	4.4 U	2.7 UJ	4.8 U
Dichlorodifluoromethane	3.8 U	15.8 U	4 U	**3.0**	2.6 U	**2.6**	**2.8 J**	**3.0**	**2.6**	**2.1**	**2.5**	4.2 U	**7.4**	3.5 U	26.7 U	3.6 U	**2.8**	4 U
Dichloroethane,1,1-	3.1 U	13 U	3.2 U	1.8 U	0.92 U	1.6 U	2.3 U	1.8 U	0.81 U	0.81 U	0.81 U	3.4 U	3.4 U	2.8 U	21.9 U	3 U	1.8 U	3.2 U
Dichloroethane,1,2-	3.1 U	13 U	3.2 U	1.8 U	0.92 U	1.6 U	2.3 U	1.8 U	0.81 U	0.81 U	0.81 U	3.4 U	3.4 U	2.8 U	21.9 U	3 U	1.8 U	3.2 U
Dichloroethene, cis-1,2-	3 U	12.7 U	3.2 U	1.8 U	0.90 U	1.6 U	2.2 U	1.8 U	0.79 U	0.79 U	0.79 U	3.3 U	3.3 U	2.8 U	21.4 U	2.9 U	1.8 U	3.2 U
Dichloroethene,1,1-	3 U	12.7 U	3.2 U	1.8 U	0.90 U	1.6 U	2.2 U	1.8 U	0.79 U	0.79 U	0.79 U	3.3 U	3.3 U	2.8 U	21.4 U	2.9 U	1.8 U	3.2 U
Dichloropropane,1,2-	3.5 U	14.8 U	3.7 U	2.1 U	1.0 U	1.9 U	2.6 U	2.0 U	0.92 U	0.92 U	0.92 U	3.9 U	3.9 U	3.2 U	25 U	3.4 U	2.1 U	3.7 U
Dichloropropene, cis-1,3	3.4 U	14.5 U	3.6 U	2.1 U	1.0 U	1.8 U	2.6 U	2.0 U	0.91 U	0.91 U	0.91 U	3.8 U	3.8 U	3.2 U	24.5 U	3.3 U	2.0 U	3.6 U
Dichloropropene, trans-1,3	3.4 U	14.5 U	3.6 U	2.1 U	1.0 U	1.8 U	2.6 U	2.0 U	0.91 U	0.91 U	0.91 U	3.8 U	3.8 U	3.2 U	24.5 U	3.3 U	2.0 U	3.6 U
Dioxane,1,4-	10.8 U	46.8 U	11.5 U	4.1 U	**0.62 J**	1.5 U	2 U	1.6 U	1.8 U	0.72 U	0.72 U	12.3 U	12.3 U	10.1 U	79.3 U	10.5 U	4.1 U	7.2 U
Dodecane, n-	NA	NA	NA	**2.4 J**	1.5 U	**29**	**16**	**1.1 J**	**0.56 J**	1.4 U	**2.1 J**	NA	NA	NA	NA	NA	**1.1 J**	**3.6 J**
Ethanol	**20.7**	**52.8**	**37.7**	**18 J**	18 U	**3 J**	**34**	**21**	2.5 U	**0.84 J**	**1.6 J**	**75.4**	**33.9**	**35.8**	**92.3**	**45.2**	**54**	**5 J**
Ethylthiophene, 2-	NA	NA	NA	2.1 U	1.0 U	1.9 U	2.6 U	2.0 U	0.92 U	0.92 U	0.92 U	NA	NA	NA	NA	NA	2.1 U	3.7 U
Ethyltoluene, p-	3.7 U	15.7 U	**31**	2.2 UJ	1.1 U	2 U	2.8 U	2.2 U	0.98 U	0.98 U	0.98 U	4.1 U	**30.5**	3.4 U	26.5 U	**28.5**	**0.89 J**	3.9 U
Heptane, n-	3.1 U	13.1 U	**9**	1.9 U	0.94 UJ	1.7 U	2.3 U	1.8 U	0.82 U	0.82 U	0.82 U	**282.8**	**8.2**	2.9 U	22.1 U	**13.5**	**2.2**	**15**
Hexachlorobutadiene	32 U	138.6 U	34.1 U	4.8 UJ	2.4 U	4.3 U	6 U	4.7 U	2.1 U	2.1 U	2.1 U	36.3 U	36.3 U	29.9 U	234.6 U	30.9 UJ	4.8 UJ	8.5 U
Hexane, n-	2.7 U	11.3 U	**8.8**	**1.3 J**	2.3 UJ	**1.8**	**3.8**	**4.9**	0.70 U	0.70 U	0.70 U	**3.9 J**	**6.7**	**7**	19 U	**15.2**	**6.0**	**400**
Hexanone,2-	12.3 U	53.3 U	13.1 U	4.6 U	2.3 U	1.7 U	**0.75 J**	1.8 U	0.82 U	0.82 U	0.82 U	13.9 U	13.9 U	11.5 U	90.1 U	11.9 U	4.6 U	3.3 U
Indan	NA	NA	15.5 U	**0.55 J**	1.1 U	2 U	2.7 U	2.1 U	0.97 U	0.97 U	0.97 U	NA	NA	NA	NA	14 U	**0.65 J**	3.9 U
Indene	NA	NA	15.2 U	2.2 U	1.1 U	1.9 U	2.7 U	2.1 U	0.95 U	0.95 U	0.95 U	NA	NA	NA	NA	13.8 U	2.2 U	3.8 U
Isopropyl benzene	3.7 U	15.7 U	3.9 U	NA	NA	NA	NA	NA	NA	NA	NA	4.1 U	4.1 U	3.4 U	26.5 U	3.6 U	NA	NA
Methyl tert-butyl ether	2.7 U	11.5 U	2.9 U	1.6 U	0.82 U	1.5 U	2 U	1.6 U	0.72 U	0.72 U	0.72 U	**4.3**	**9.7**	2.5 U	19.5 U	2.6 U	1.6 U	2.9 U
Methyl-2-pentanone,4-	3.1 U	13.1 U	3.3 U	1.9 UJ	0.94 U	1.7 U	2.3 U	1.8 U	0.82 U	0.82 U	0.82 U	3.4 U	3.4 U	2.9 U	22.1 U	3 U	**1.1 J**	3.3 U
Methylene chloride	2.6 U	11.1 U	2.8 U	**31 J**	9.8 U	**29**	**13**	**12**	0.69 U	**0.32 J**	1.7 U	2.9 U	2.9 U	2.4 U	18.8 U	2.5 U	**32 J**	**25**
Methylnaphthalene,1-	NA	NA	NA	33 U	17 U	30 U	3.3 U	13 U	14 UJ	1.2 U	2.9 U	NA	NA	NA	NA	NA	33 U	4.6 UJ
Methylnaphthalene,2-	NA	NA	NA	33 U	17 UJ	12 U	41 U	32 U	14 U	1.2 U	2.9 UJ	NA	NA	NA	NA	NA	33 U	4.6 UJ
Methylthiophene, 2-	NA	NA	NA	1.8 U	0.92 U	1.6 U	2.3 U	1.8 U	0.80 U	0.80 U	0.80 U	NA	NA	NA	NA	NA	1.8 U	3.2 U
Methylthiophene, 3-	NA	NA	NA	1.8 U	0.92 U	1.6 U	2.3 U	1.8 U	0.80 U	0.80 U	0.80 U	NA	NA	NA	NA	NA	1.8 U	3.2 U
Naphthalene	15.7 U	68.1 UJ	16.8 U	5.9 UJ	3.0 U	**1.2 J**	**1.5 J**	2.3 U	1.0 U	1.0 U	1.0 U	17.8 U	17.8 U	14.7 U	115.3 UJ	15.2 U	5.9 U	4.2 U
Nonane	NA	NA	NA	**0.71 J**	1.2 U	2.1 U	**2 J**	2.3 U	1.0 U	1.0 U	1.0 U	NA	NA	NA	NA	NA	**1.4 J**	**4.3**

Table 5-1
Summary of Soil Vapor Results for OU-1, OU-2 and OU-3
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Units No. 2 3

Sample Name:	OU2SG09	OU2SG09	OU2SG09	OU2SG09	Duplicate of OU2SG09	OU2SG09	OU2SG09	OU2SG09	OU2SG09	OU2SG09	OU2SG09	OU2SG10	OU2SG10	OU2SG10	OU2SG10	OU2SG10	OU2SG10	OU2SG10
Sample Date:	2/2/2006	6/15/2006	9/8/2006	2/21/2007	2/21/2007	5/24/2007	7/25/2007	9/12/2007	12/19/2007	3/27/2008	6/18/2008	5/25/2005	8/31/2005	2/2/2006	6/15/2006	9/8/2006	2/22/2007	6/14/2007
Other VOCs Continued (ug/m3)																		
Octane, n-	NA	NA	NA	**0.53 J**	1.1 U	1.9 U	2.6 U	2.1 U	0.93 U	0.93 U	**1.3**	NA	NA	NA	NA	NA	**1.4 J**	**4.4**
Pentane	NA	NA	NA	1.3 UJ	3.6 UJ	1.2 U	1.7 U	1.3 U	0.59 U	0.59 U	0.59 U	NA	NA	NA	NA	NA	**4.1**	2.4 U
Propanol,2-	7.4 U	32 U	7.9 U	**1.8 J**	2.6 UJ	**1.3 J**	**2.5 J**	1.1 U	0.49 U	**0.27 J**	1.2 UJ	8.4 U	8.4 U	6.9 U	**76.2**	7.1 U	**3.0**	**18**
Propylbenzene, n-	3.7 U	15.7 U	**7.4**	NA	NA	NA	NA	NA	NA	NA	NA	4.1 U	**6.4**	3.4 U	26.5 U	**7.4**	NA	NA
Styrene	3.2 U	13.6 U	3.4 U	1.9 UJ	0.97 U	1.7 U	2.4 U	1.9 U	0.85 U	0.85 U	0.85 U	3.6 U	3.6 U	3 U	23 U	3.1 U	1.9 U	3.4 U
t-Butyl alcohol	NA	NA	NA	1.4 U	0.69 U	1.2 U	**3.8**	**1.0 J**	0.61 U	0.61 U	0.61 U	NA	NA	NA	NA	NA	1.4 U	2.4 U
Tetrachloroethane,1,1,2,2-	5.2 U	22 U	5.5 U	3.1 U	1.6 U	2.8 U	3.9 U	3.0 U	1.4 U	1.4 U	1.4 U	5.8 U	5.8 U	4.8 U	37.1 U	5 U	3.1 U	5.5 U
Tetrachloroethene	**5.2**	**29.2**	**14.9**	3.1 U	1.5 U	2.8 U	3.8 U	3.0 U	1.4 U	1.4 U	1.4 U	**41.4**	**6.8**	**7.5**	36.6 U	**17**	3.1 U	**12**
Tetrahydrofuran	2.2 U	9.4 U	2.4 U	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.1 U	15.9 U	**2.8**	NA	NA
Tetramethylbenzene, 1,2,4,5-	NA	NA	NA	2.5 U	1.2 U	**3.2 J**	**1.9 J**	30 U	1.1 U	1.1 U	1.1 U	NA	NA	NA	NA	NA	2.5 U	4.4 U
Thiophene	NA	NA	NA	1.6 U	0.78 U	1.4 U	2 UJ	1.5 U	0.69 U	0.69 U	0.69 U	NA	NA	NA	NA	NA	1.6 U	2.8 U
Trans-1,2-dichloroethene	3 U	12.7 U	3.2 U	1.8 U	0.90 U	1.6 U	2.2 U	1.8 U	0.79 U	0.79 U	0.79 U	3.3 U	3.3 U	2.8 U	21.4 U	2.9 U	1.8 U	3.2 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	5.8 U	24.5 U	6.1 U	3.5 UJ	1.8 U	3.1 U	4.3 U	3.4 U	1.5 U	**0.57 J**	**0.61 J**	6.4 U	6.4 U	5.4 U	41.4 U	5.6 U	3.5 U	6.1 U
Trichlorobenzene,1,2,4-	22.3 U	96.5 U	23.7 U	3.4 UJ	1.7 U	3 U	4.2 U	3.3 U	1.5 U	1.5 U	1.5 U	25.2 U	25.2 U	20.8 U	163.3 U	21.5 UJ	3.4 UJ	5.9 U
Trichloroethane,1,1,1-	4.1 U	17.5 U	4.4 U	2.5 U	1.2 U	2.2 UJ	3.1 U	2.4 U	1.1 U	1.1 U	1.1 U	4.6 U	4.6 U	3.8 U	29.5 U	4 U	2.5 U	4.4 U
Trichloroethane,1,1,2-	4.1 U	17.5 U	4.4 U	2.5 U	1.2 U	2.2 U	3.1 U	2.4 U	1.1 U	1.1 U	1.1 U	4.6 U	4.6 U	3.8 U	29.5 U	4 U	2.5 U	4.4 U
Trichloroethene	4.1 U	17.2 U	4.3 U	2.4 U	1.2 U	2.2 U	3 U	2.4 U	1.1 U	1.1 U	1.1 U	4.5 U	4.5 U	3.8 U	29 U	3.9 U	2.4 U	4.3 U
Trichlorofluoromethane	4.3 U	18 U	4.5 U	**1.3 J**	1.3 U	2.3 U	**1.3 J**	**1.5 J**	**0.90 J**	**1.2**	**1.3**	4.7 U	**16.3**	3.9 U	30.3 U	**14.6**	**1.6 J**	**9.4**
Trimethylbenzene,1,2,3-	NA	NA	NA	**1.0 J**	1.1 U	**1.4 J**	2.8 U	2.2 U	0.98 U	0.98 U	0.98 U	NA	NA	NA	NA	NA	**1.3 J**	3.9 U
Trimethylbenzene,1,2,4-	3.7 U	15.7 U	**34.9**	**1.9 J**	1.6 U	**4.7 J**	2.8 U	2.2 U	0.98 U	0.98 U	0.98 U	4.1 U	**34.4**	3.4 U	26.5 U	**28 J**	**2.8**	**5.5**
Trimethylbenzene,1,3,5-	3.7 UJ	15.7 U	**8.8**	2.2 UJ	1.1 U	2 U	2.8 U	2.2 U	0.98 U	0.98 U	0.98 U	4.1 U	**11.8**	3.4 UJ	26.5 U	**8.4**	**0.78 J**	**2.1 J**
Trimethylpentane, 2,2,4-	**387.8**	**4017.9**	**887.7**	2.1 UJ	1.1 U	1.9 U	2.6 U	2.1 U	0.93 U	0.93 U	0.93 U	3.9 U	**7.9**	**794.2**	**6540.8**	**841**	**3.0 J**	**2.5 J**
Undecane, n-	NA	NA	NA	**0.87 J**	1.4 U	**5.8**	**5.9**	2.8 U	1.3 U	1.3 U	1.3 U	NA	NA	NA	NA	NA	**0.87 J**	5.1 U
Vinyl bromide	NA	NA	NA	2.0 U	1.0 U	1.8 U	2.5 U	1.9 U	0.87 U	0.87 U	0.87 U	NA	NA	NA	NA	NA	2.0 U	3.5 U
Vinyl chloride	1.9 U	8.2 U	2 U	1.2 U	0.58 U	1 U	1.4 U	1.1 U	0.51 U	0.51 U	0.51 U	2.1 U	2.1 U	1.8 U	13.8 U	1.9 U	1.2 U	2 U

Table 5-1
Summary of Soil Vapor Results for OU-1, OU-2 and OU-3
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Units No. 2 3

Sample Name:	OU2SG10	OU2SG10	OU2SG10	OU2SG10	OU2SG10	OU2SG11	OU2SG11	OU2SG11	OU2SG11	OU2SG11	OU2SG11	Duplicate of OU2SG11	OU2SG12	OU2SG12	OU2SG12	OU2SG12	OU2SG12	OU2SG13
Sample Date:	7/25/2007	9/19/2007	12/19/2007	3/27/2008	6/23/2008	2/21/2007	6/14/2007	9/12/2007	12/19/2007	4/3/2008	6/19/2008	6/19/2008	2/21/2007	9/18/2007	12/19/2007	3/27/2008	6/19/2008	3/30/2007
BTEX (ug/m3)																		
Benzene	1.5 UJ	1.4 U	**0.26 J**	0.64 U	0.64 U	**3.6**	**4**	**2.1**	**0.19 J**	0.64 U	**0.16 J**	0.64 UJ	1.5 U	1.5 U	**0.22 J**	**0.19 J**	0.64 UJ	**0.70 J**
Ethylbenzene	**2.7 J**	2.0 U	0.87 U	0.87 U	**0.43 J**	**5.8**	**13**	**13**	**5.2**	**8.2**	**8.3**	**7.8**	**1.2 J**	**0.61 J**	**1.8**	**0.30 J**	0.87 U	**5.6**
Toluene	**70 J**	**3.9**	**6.5**	**0.43 J**	**0.87**	**29**	**2300**	**1700**	**120**	**190**	**150**	**160**	**2.5**	**100**	**70**	**1.4**	**0.79**	**560**
Xylene, m,p-	**50 J**	**8.2**	**0.39 J**	1.7 U	**1.6 J**	**17**	**38**	**41**	**21**	**28**	**20**	**22**	**3.7 J**	**16**	**7.1**	**0.84 J**	**0.39 J**	**16**
Xylene, o-	**12 J**	**1.3 J**	0.87 U	0.87 U	**0.74 J**	**5.4**	**11**	**13**	**7.2**	**9.0**	**6.6**	**7.3**	**1.5 J**	**6.4**	**3.7**	**0.34 J**	0.87 U	**6.0**
Other VOCs (ug/m3)																		
Acetaldehyde	**110 J**	4.1 U	1.8 U	4.5 U	**11**	**1600 J**	66 U	**91**	1.8 U	4.5 U	**11**	**9.1**	0.84 UJ	**45**	3.3 U	4.5 U	**5.0**	**27 J**
Acetone	**14 J**	**5.3**	1.8 U	1.8 U	3.9 U	5.0 U	**67**	**8.9**	2.3 U	2.3 U	1.2 UJ	**3.3 J**	**9.6**	**7.2**	1.0 U	3.0 U	**3.7**	**13 J**
Acrolein (propenal)	1.1 U	1.0 U	0.46 U	1.2 U	**0.73**	0.96 U	1.8 U	**1.0 J**	0.46 U	1.2 U	0.46 U	**0.25 J**	1.1 U	1.1 U	0.46 U	1.2 U	**0.14 J**	**0.65 J**
Allyl chloride	1.5 U	1.4 U	0.63 UJ	0.63 U	0.63 UJ	1.3 U	2.5 U	1.4 U	0.63 UJ	0.63 U	0.63 U	0.63 U	1.5 U	1.5 U	0.63 UJ	0.63 U	0.63 U	1.2 U
Benzothiophene	2.6 U	2.5 U	1.1 UJ	1.1 U	1.1 U	12 UJ	4.3 U	32 U	1.1 UJ	1.1 UJ	1.1 UJ	1.1 U	13 UJ	32 U	1.1 UJ	1.1 U	1.1 UJ	2.2 U
Bromodichloromethane	3.2 U	3.0 U	1.3 U	1.3 U	1.3 U	**120**	**17**	3.1 U	1.3 U	1.3 U	1.3 U	1.3 U	3.1 U	3.2 U	1.3 U	1.3 U	1.3 U	2.6 U
Bromoform	4.9 U	4.7 U	2.1 U	2.1 U	2.1 U	4.3 U	8.1 U	4.8 U	2.1 U	2.1 U	2.1 U	2.1 U	4.8 U	4.8 U	2.1 U	2.1 U	2.1 U	4.1 U
Bromomethane	1.8 U	1.8 U	0.78 U	0.78 U	0.78 U	1.6 U	3.1 U	1.8 U	0.78 U	0.78 U	0.78 U	0.78 U	1.8 U	1.8 U	0.78 U	0.78 U	0.78 U	1.5 U
Butadiene, 1,3-	1 U	1.0 U	0.44 U	0.44 U	0.44 U	0.93 U	1.7 U	1.0 U	0.44 U	0.44 U	0.44 U	0.44 U	1.0 U	1.0 U	0.44 U	0.44 U	0.44 U	0.88 U
Butane	**1.2 J**	**0.92 J**	**1.3**	**0.26 J**	**0.38 J**	**9660**	**31**	1.1 U	0.48 U	**2.0**	**2.9**	**2.6**	1.1 U	**0.28 J**	0.48 U	0.48 U	0.48 U	**2.6**
Butanone,2-	**4.2 J**	**2.1**	**0.35 J**	**0.16 J**	**0.85**	**2.7 J**	2.3 U	1.4 U	**0.65**	**0.48 J**	**0.83**	**0.56 J**	**1.4 J**	**2.2**	**0.24 J**	**1.6**	**0.59**	**2.7**
Carbon disulfide	**17 J**	**6.3**	**3.6**	**0.83**	**18**	1.3 U	**27**	**17**	**0.72**	**12**	**27**	**32**	1.4 U	**9.9**	**1.0**	**0.44 J**	0.62 U	**3.2**
Carbon tetrachloride	3 UJ	2.8 U	1.3 U	1.3 U	1.3 U	2.6 U	5 U	2.9 U	1.3 U	**0.63 J**	**0.50 J**	**0.57 J**	2.9 U	3.0 U	1.3 U	1.3 U	1.3 U	2.5 U
Chlorobenzene	2.2 U	2.1 U	0.92 U	0.92 U	0.92 U	**1.2 J**	3.6 U	2.1 U	0.92 U	0.92 U	0.92 U	0.92 U	2.1 U	2.2 U	0.92 U	0.92 U	0.92 U	1.8 U
Chloroethane	1.2 U	1.2 U	0.53 U	0.53 U	0.53 U	1.1 U	2.1 U	1.2 U	0.53 U	0.53 U	0.53 U	0.53 U	1.2 U	1.2 U	0.53 U	0.53 U	0.53 U	1.0 U
Chloroform	**1600**	**1000**	**240**	**160**	**580**	**1350**	**87**	**5.9**	**0.29 J**	**2.3**	**1.7**	**1.7**	2.3 U	2.3 U	**0.34 J**	**0.25 J**	**1.4**	1.9 U
Chloromethane	0.97 U	0.94 U	0.41 U	0.41 U	0.41 U	0.87 U	1.6 U	0.95 U	0.41 U	0.41 U	**0.12 J**	**0.17 J**	0.96 U	**0.34 J**	0.41 U	0.41 U	**0.14 J**	2.0 U
Chlorotoluene,2-	2.4 U	2.4 U	1.0 U	1.0 U	1.0 U	2.2 U	4.1 U	2.4 U	1.0 U	1.0 U	1.0 U	1.0 U	2.4 U	2.4 U	1.0 U	1.0 U	1.0 U	2.0 U
Cryofluorane	3.3 U	3.2 U	1.4 U	1.4 U	1.4 U	2.9 U	5.5 U	3.2 U	1.4 U	1.4 U	1.4 U	1.4 U	3.2 U	3.3 U	1.4 U	1.4 U	1.4 U	2.8 U
Cyclohexane	**470 J**	**130**	**2.1**	**0.25 J**	**0.31 J**	**410**	**430**	**190**	**4.4**	**55**	**58 J**	**41 J**	1.6 U	**32**	**2.5**	0.69 U	0.69 U	**42**
Decane, n-	**19 J**	2.6 U	1.2 U	1.2 U	**51**	**1.3 J**	4.6 U	2.7 U	1.2 U	1.2 UJ	**16**	**15**	**2.2 J**	**20**	1.2 U	**2.2**	**4.8**	**3.1**
Dibromochloromethane	4 U	3.9 U	1.7 U	1.7 U	1.7 U	**5.4**	6.7 U	3.9 U	1.7 U	1.7 U	1.7 U	1.7 U	4.0 U	4.0 U	1.7 U	1.7 U	1.7 U	3.4 U
Dibromoethane,1,2-	3.6 U	3.5 U	1.5 U	1.5 U	1.5 U	3.2 U	6 U	3.6 U	1.5 U	1.5 U	1.5 U	1.5 U	3.6 U	3.6 U	1.5 U	1.5 U	1.5 U	3.0 U
Dichlorobenzene,1,2-	2.8 U	2.7 U	1.2 U	1.2 U	1.2 U	2.5 U	4.7 U	2.8 U	1.2 U	1.2 U	**0.36 J**	**0.42 J**	2.8 U	2.8 U	1.2 U	1.2 U	1.2 U	2.4 U
Dichlorobenzene,1,3-	2.8 U	2.7 U	1.2 U	1.2 U	**4.4**	2.5 U	4.7 U	2.8 U	1.2 U	1.2 U	1.2 U	1.2 U	2.8 U	2.8 U	1.2 U	**0.67 J**	**0.36 J**	2.4 U
Dichlorobenzene,1,4-	**2.4 J**	**1.2 J**	1.2 U	1.2 U	**0.54 J**	2.5 UJ	4.7 U	**2.2 J**	**0.78 J**	**0.99 J**	**2.0**	**2.2**	2.8 UJ	**1.1 J**	**0.72 J**	1.2 U	1.2 U	2.4 U
Dichlorodifluoromethane	**5.1 J**	2.2 U	**3.2**	**1.9**	**4.6**	**0.73 J**	**2 J**	**2.4**	**3.1**	**2.3**	**1.8**	**2.3**	**2.6**	**2.7**	**3.2**	**2.0**	**2.5**	2.0 UJ
Dichloroethane,1,1-	1.9 U	1.8 U	0.81 U	0.81 U	0.81 U	1.7 U	3.2 U	1.9 U	0.81 U	0.81 U	0.81 U	0.81 U	1.9 U	1.9 U	0.81 U	0.81 U	0.81 U	1.6 U
Dichloroethane,1,2-	1.9 U	1.8 U	0.81 U	0.81 U	0.81 U	1.7 U	3.2 U	1.9 U	0.81 U	0.81 U	0.81 U	0.81 U	1.9 U	1.9 U	0.81 U	0.81 U	0.81 U	1.6 U
Dichloroethene, cis-1,2-	1.9 U	1.8 U	0.79 U	0.79 U	0.79 U	1.7 U	3.1 U	1.8 U	0.79 U	0.79 U	0.79 U	0.79 U	1.8 U	1.9 U	0.79 U	0.79 U	0.79 U	1.6 U
Dichloroethene,1,1-	1.9 U	1.8 U	0.79 U	0.79 U	0.79 U	1.7 U	3.1 U	1.8 U	0.79 U	0.79 U	0.79 U	0.79 U	1.8 U	1.9 U	0.79 U	0.79 U	0.79 U	1.6 U
Dichloropropane,1,2-	2.2 U	2.1 U	0.92 U	0.92 U	0.92 U	1.9 U	3.6 U	2.1 U	0.92 U	0.92 U	0.92 U	0.92 U	2.2 U	2.2 U	0.92 U	0.92 U	0.92 U	1.8 U
Dichloropropene, cis-1,3	2.1 U	2.1 U	0.91 U	0.91 U	0.91 U	1.9 U	3.6 U	2.1 U	0.91 U	0.91 U	0.91 U	0.91 U	2.1 U	2.1 U	0.91 U	0.91 U	0.91 U	1.8 U
Dichloropropene, trans-1,3	2.1 U	2.1 U	0.91 U	0.91 U	0.91 U	1.9 U	3.6 U	2.1 U	0.91 U	0.91 U	0.91 U	0.91 U	2.1 U	2.1 U	0.91 U	0.91 U	0.91 U	1.8 U
Dioxane,1,4-	1.7 U	1.6 U	1.8 U	0.72 U	0.72 U	3.8 U	7.1 U	1.7 U	1.8 U	0.72 U	0.72 U	0.72 U	4.2 U	1.7 UJ	1.8 U	0.72 U	0.72 U	3.6 U
Dodecane, n-	3.3 U	**0.79 J**	**0.90 J**	1.4 U	**36 J**	**1.5 J**	**25**	**4.3**	**1.0 J**	**1.0 J**	**0.90 J**	**1.7 J**	**3.1 J**	**2.4 J**	**1.0 J**	**1.0 J**	**8.9 J**	2.8 UJ
Ethanol	**18 J**	**14**	**1.4 J**	**0.97 J**	**1.7 J**	**30**	**10**	**30**	**2.8**	**1.9 J**	**0.75 J**	**0.94 J**	**14**	**16**	**0.73 J**	**7.4**	**1.9**	**20 J**
Ethylthiophene, 2-	2.2 U	2.1 U	0.92 U	0.92 U	0.92 U	1.9 U	3.6 U	2.1 U	0.92 U	0.92 U	0.92 U	0.92 U	2.1 U	2.2 U	0.92 U	0.92 U	0.92 U	1.8 U
Ethyltoluene, p-	**3.2 J**	**0.78 J**	0.98 U	0.98 U	**0.44 J**	**1.0 J**	3.9 U	**1.2 J**	**0.34 J**	**0.42 J**	**0.49 J**	**0.59 J**	2.3 U	2.3 U	0.98 U	0.98 U	0.98 U	2.0 U
Heptane, n-	**0.65 J**	1.9 U	0.82 UJ	0.82 U	**1.1 J**	**58**	**12**	**4.4**	0.82 UJ	0.82 UJ	**0.20 J**	0.82 U	1.9 U	**0.96 J**	0.82 UJ	0.82 U	0.82 U	**5.1**
Hexachlorobutadiene	5 U	4.8 U	2.1 U	2.1 U	2.1 U	4.5 UJ	8.4 U	4.9 U	2.1 U	2.1 U	2.1 U	2.1 UJ	5.0 UJ	5.0 U	2.1 U	2.1 U	2.1 U	4.2 UJ
Hexane, n-	**130**	**10**	**0.99**	0.70 U	0.70 U	**530**	**540**	**180**	**0.95**	**6.8**	**3.9 J**	**2.7 J**	**0.98 J**	**25**	**1.2**	0.70 U	0.70 UJ	**130**
Hexanone,2-	**0.67 J**	1.9 U	0.82 U	0.82 U	0.82 U	4.3 U	3.2 U	1.9 U	0.82 U	0.82 U	0.82 U	0.82 U	4.8 U	1.9 U	0.82 U	0.82 U	**0.37 J**	1.6 U
Indan	**2.3 J**	**0.55 J**	0.97 U	0.97 U	0.97 U	**0.71 J**	3.8 U	2.2 U	**0.34 J**	**0.30 J**	**0.53 J**	**0.53 J**	**0.90 J**	2.3 U	**0.24 J**	0.97 U	0.97 U	1.9 U
Indene	2.2 U	2.2 U	0.95 U	0.95 U	0.95 U	2.0 U	3.7 U	2.2 U	0.95 U	0.95 U	0.95 U	0.95 U	2.2 U	2.2 U	0.95 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	NA	NA	NA	NA
Methyl tert-butyl ether	1.7 U	1.6 U	0.72 U	0.72 U	0.72 U	1.5 U	2.8 U	1.7 U	0.72 U	0.72 U	0.72 UJ	0.72 UJ	1.7 U	1.7 U	0.72 U	0.72 U	0.72 UJ	1.4 U
Methyl-2-pentanone,4-	1.9 U	1.9 U	0.82 U	0.82 U	0.82 U	1.7 U	3.2 U	1.9 U	0.82 U	0.82 U	0.82 U	0.82 U	1.9 U	1.9 U	0.82 U	0.82 U	0.82 U	1.6 U
Methylene chloride	**9.9 J**	**11**	0.69 U	**0.34 J**	2.0 U	**15 J**	**4.1 J**	**10**	0.69 U	1.7 U	1.7 U	1.3 U	**30**	**23**	0.69 U	**0.86 J**	1.7 U	**5.5 J**
Methylnaphthalene,1-	**4.4 J**	2.6 U	14 UJ	1.2 U	2.9 UJ	30 U	4.6 U	13 U	14 UJ	1.2 UJ	2.9 UJ	2.9 UJ	34 U	14 U	14 UJ	1.2 U	2.9 UJ	2.3 U
Methylnaphthalene,2-	**11 J**	2.6 U	14 UJ	1.2 U	2.9 UJ	30 U	4.6 U	**0.67 J**	14 UJ	1.2 UJ	**0.46 J**	2.9 UJ	34 U	34 U	14 UJ	1.2 U	2.9 UJ	2.3 U
Methylthiophene, 2-	1.9 U	1.8 U	0.80 U	0.80 U	0.80 U	1.7 U	3.2 U	1.8 U	0.80 U	0.80 U	0.80 U	0.80 U	1.9 U	1.9 U	0.80 U	0.80 U	0.80 U	1.6 U
Methylthiophene, 3-	1.9 U	1.8 U	0.80 U	0.80 U	0.80 U	1.7 U	3.2 U	1.8 U	0.80 U	0.80 U	0.80 U	0.80 U	1.9 U	1.9 U	0.80 U	0.80 U	0.80 U	1.6 U
Naphthalene	**5.2 J**	**0.83 J**	1.0 U	1.0 U	**0.89 J**	5.5 U	4.1 U	**2.7**	**0.94 J**	**0.79 J**	**1.5**	**0.84 J**	**1.1 J**	**2.0 J**	**0.94 J**	1.0 U	1.0 U	2.1 UJ
Nonane	2.5 U	2.4 U	1.0 U	1.0 U	**0.73 J**	**1.4 J**	**4.4**	**2.7**	**1.9**	1.0 U	1.0 U	1.0 U	**0.73 J**	2.5 U	1.0 U	**0.27 J**	1.0 U	**3.5**

Table 5-1
Summary of Soil Vapor Results for OU-1, OU-2 and OU-3
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Units No. 2 3

Sample Name:	OU2SG10	OU2SG10	OU2SG10	OU2SG10	OU2SG10	OU2SG11	OU2SG11	OU2SG11	OU2SG11	OU2SG11	OU2SG11	Duplicate of OU2SG11	OU2SG12	OU2SG12	OU2SG12	OU2SG12	OU2SG12	OU2SG13
Sample Date:	7/25/2007	9/19/2007	12/19/2007	3/27/2008	6/23/2008	2/21/2007	6/14/2007	9/12/2007	12/19/2007	4/3/2008	6/19/2008	6/19/2008	2/21/2007	9/18/2007	12/19/2007	3/27/2008	6/19/2008	3/30/2007
Other VOCs Continued (ug/m3)																		
Octane, n-	2.2 U	2.1 U	0.93 U	0.93 U	**220**	**4.8**	**2.6 J**	**0.86 J**	**0.56 J**	0.93 U	**1.5**	**0.89 J**	2.2 U	2.2 U	0.93 U	**4.5**	**1.6**	**1.7 J**
Pentane	1.4 U	1.3 U	0.59 U	0.59 U	0.59 U	**2140**	**8.2**	1.4 U	0.59 U	**1.4**	**0.65**	**0.44 J**	1.4 U	1.4 U	0.59 U	0.59 U	0.59 U	**1.6**
Propanol,2-	**20 J**	**17**	0.49 U	1.2 UJ	**11 J**	**3.0**	**2.6 J**	**1.5**	**1.6 J**	**0.48 J**	**0.49 J**	**0.47 J**	**0.86 J**	**0.81 J**	0.49 U	**0.95 J**	**0.56 J**	**1.4 J**
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA
Styrene	2 U	1.9 U	0.85 U	0.85 U	**0.34 J**	1.8 U	3.4 U	**0.59 J**	**0.30 J**	**0.40 J**	**0.38 J**	**0.43 J**	2.0 U	2.0 U	0.85 U	0.85 U	0.85 U	1.7 U
t-Butyl alcohol	**0.87 J**	**0.69 J**	0.61 U	0.61 U	**1.4**	1.3 U	2.4 U	**1.0 J**	**0.39 J**	**0.30 J**	0.61 U	0.61 U	1.4 U	1.4 U	0.61 U	0.61 U	0.61 U	1.2 UJ
Tetrachloroethane,1,1,2,2-	3.2 U	3.1 U	1.4 U	1.4 U	1.4 U	2.9 U	5.4 U	3.2 U	1.4 U	1.4 U	1.4 U	1.4 U	3.2 U	3.2 U	1.4 U	1.4 U	1.4 U	2.7 U
Tetrachloroethene	**14 J**	**8.2**	**1.6**	**0.94 J**	**5.0**	**14**	**11**	**1.6 J**	1.4 U	1.4 U	**0.95 J**	**1.5**	3.2 U	**2.6 J**	**0.41 J**	1.4 U	1.4 U	**5.0**
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	**7.3 J**	**2.1 J**	1.1 U	1.1 U	**2.4 J**	2.3 U	**4.3 J**	**6.1 J**	**3.3**	**3.2**	**16 J**	**17 J**	2.6 U	**5.8 J**	**3.5**	1.1 U	**0.44 J**	27 U
Thiophene	1.6 UJ	1.6 U	0.69 U	0.69 U	0.69 U	1.4 U	2.7 U	1.6 U	0.69 U	0.69 U	0.69 U	0.69 U	1.6 U	1.6 UJ	0.69 U	0.69 U	0.69 U	1.4 U
Trans-1,2-dichloroethene	1.9 U	1.8 U	0.79 U	0.79 U	0.79 U	1.7 U	3.1 U	1.8 U	0.79 U	0.79 U	0.79 U	0.79 U	1.8 U	1.9 U	0.79 U	0.79 U	0.79 U	1.6 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6 U	3.5 U	1.5 U	**0.39 J**	**0.69 J**	3.2 U	6 U	3.5 U	1.5 U	**0.82 J**	1.5 U	**0.46 J**	3.6 U	3.6 U	1.5 U	**0.51 J**	**0.54 J**	3.0 U
Trichlorobenzene,1,2,4-	3.5 U	3.4 U	1.5 U	1.5 U	1.5 U	3.1 UJ	5.8 U	3.4 U	1.5 U	1.5 U	1.5 U	1.5 U	3.5 UJ	3.5 U	1.5 U	1.5 U	1.5 U	2.9 U
Trichloroethane,1,1,1-	**1.4 J**	**1.7 J**	1.1 U	**0.32 J**	**1.5**	2.3 U	4.3 U	2.5 U	1.1 U	1.1 U	1.1 U	1.1 U	2.5 U	2.6 U	1.1 U	1.1 U	1.1 U	2.2 U
Trichloroethane,1,1,2-	2.6 U	2.5 U	1.1 U	1.1 U	1.1 U	2.3 U	4.3 U	2.5 U	1.1 U	1.1 U	1.1 U	1.1 U	2.5 U	2.6 U	1.1 U	1.1 U	1.1 U	2.2 U
Trichloroethene	**0.66 J**	**0.98 J**	1.1 U	1.1 U	**0.48 J**	2.3 U	4.2 U	2.5 U	1.1 U	1.1 U	1.1 U	1.1 U	2.5 U	2.5 U	1.1 U	1.1 U	1.1 U	2.1 U
Trichlorofluoromethane	**12 J**	**11**	**2.9**	**1.5**	**14**	**1.1 J**	4.4 U	**1.3 J**	1.3 U	**1.7**	**1.0 J**	**1.5**	**1.6 J**	**1.4 J**	**1.5**	**1.2**	**1.4**	**1.3 J**
Trimethylbenzene,1,2,3-	**4 J**	**1.2 J**	0.98 U	0.98 U	**2.6**	**2.0 J**	3.9 U	**1.7 J**	**0.54 J**	**1.6**	**1.9**	**2.0**	**2.1 J**	**2.1 J**	**0.69 J**	**0.48 J**	**0.34 J**	2.0 U
Trimethylbenzene,1,2,4-	**11 J**	**2.3**	**0.25 J**	0.98 U	**0.69 J**	**4.2**	**3.4 J**	**3.1**	**1.3**	**0.53 J**	**0.29 J**	**0.39 J**	**3.0**	**0.92 J**	0.98 U	0.98 U	0.98 U	2.0 UJ
Trimethylbenzene,1,3,5-	**3.6 J**	**1.2 J**	0.98 U	0.98 U	**1.2**	**1.3 J**	3.9 U	**1.0 J**	**0.39 J**	**0.81 J**	**1.4**	**1.5**	**0.80 J**	**1.5 J**	**0.29 J**	0.98 U	0.98 U	**1.6 J**
Trimethylpentane, 2,2,4-	2.2 U	2.1 U	0.93 U	0.93 U	0.93 U	2.0 U	**4.2**	2.2 U	0.93 U	0.93 UJ	0.93 U	0.93 U	2.2 U	2.2 U	0.93 U	0.93 U	0.93 U	1.8 UJ
Undecane, n-	3 U	2.9 U	1.3 U	1.3 U	**7.8**	**1.7 J**	5 U	3.0 U	1.3 U	**4.8**	**18 J**	1.3 UJ	**1.6 J**	3.0 U	1.3 U	**0.78 J**	**1.0 J**	**3.7 J**
Vinyl bromide	2.1 U	2.0 U	0.87 U	0.87 U	0.87 U	1.8 U	3.4 U	2.0 U	0.87 U	0.87 U	0.87 U	0.87 U	2.0 U	2.0 U	0.87 U	0.87 U	0.87 U	1.7 U
Vinyl chloride	1.2 U	1.2 U	0.51 U	0.51 U	0.51 U	1.1 U	2 U	1.2 U	0.51 U	0.51 U	0.51 U	0.51 U	1.2 U	1.2 U	0.51 U	0.51 U	0.51 U	1.0 U

Table 5-1
Summary of Soil Vapor Results for OU-1, OU-2 and OU-3
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Units No. 2 3

Sample Name:	OU2SG13	OU2SG13	OU2SG13	OU2SG13	OU2SG13	OU2SG13	OU2SG14	Duplicate of OU2SG14	OU2SG14	OU2SG14	OU2SG14	OU2SG14	OU2SG15	OU2SG15	OU2SG16	OU2SG16	OU2SG17	OU2SG17
Sample Date:	5/24/2007	7/25/2007	9/20/2007	12/19/2007	4/3/2008	6/24/2008	3/30/2007	3/30/2007	6/14/2007	12/19/2007	4/3/2008	6/19/2008	4/3/2008	6/19/2008	4/3/2008	6/24/2008	4/3/2008	6/20/2008
BTEX (ug/m3)																		
Benzene	1.3 U	**13**	**0.84 J**	**0.64**	**1.4**	**2.4 J**	1.2 U	1.2 U	1.3 U	0.64 U	0.64 U	0.64 UJ	**0.72**	0.64 UJ	**0.28 J**	0.64 U	**0.25 J**	0.64 UJ
Ethylbenzene	1.8 U	**1.3 J**	**1.7 J**	**2.2**	**43**	**79**	**0.96 J**	**1.3 J**	1.7 U	0.87 U	0.87 U	0.87 U	**0.68 J**	**0.30 J**	**1.1**	**0.69 J**	**0.50 J**	0.87 U
Toluene	**23**	**8.2**	**5.2**	**24**	**860**	**3200**	**4.0**	**4.5**	**17**	**2.8**	**4.9**	**7.5**	**2.1**	**1.2**	**1.6**	**9.6**	**1.6**	**0.49 J**
Xylene, m,p-	**0.99 J**	**1.7 J**	**6.5**	**7.6**	**130**	**230**	**4.6**	**5.6**	3.4 U	**0.22 J**	**0.45 J**	**0.52 J**	**2.2**	**0.87 J**	**3.7**	**2.1**	**1.5 J**	**0.35 J**
Xylene, o-	1.8 U	**0.89 J**	**4.1**	**2.6**	**31**	**64**	**3.6**	**4.4**	1.7 U	0.87 U	0.87 U	0.87 U	**1.0**	**0.35 J**	**2.7**	**0.95**	**0.97**	0.87 U
Other VOCs (ug/m3)																		
Acetaldehyde	**93 J**	**400**	**12**	1.8 U	4.5 U	**48**	31 U	32 U	**94**	1.8 U	4.5 U	**22**	4.5 U	**10**	4.5 U	**52**	**12**	**3.7 J**
Acetone	**34 J**	**210 J**	**9.7**	2.2 U	3.0 U	**28**	**11 J**	**12 J**	**7**	1.6 U	2.0 U	**65**	3.6 U	**6.8**	1.9 U	**28**	7.7 U	**3.5**
Acrolein (propenal)	2.3 U	**4.2 J**	0.93 U	0.46 U	1.2 U	0.87 U	0.86 U	0.88 U	0.9 UJ	0.46 U	1.2 U	**0.34 J**	**0.16 J**	**0.27 J**	1.2 U	**0.46**	**0.44 J**	0.46 U
Allyl chloride	1.3 U	1.6 U	1.3 U	0.63 UJ	0.63 U	1.2 U	1.2 U	1.2 U	1.2 U	0.63 UJ	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 UJ	0.63 U	0.63 U
Benzothiophene	5.5 U	2.7 U	2.2 U	1.1 UJ	1.1 UJ	2.1 U	2.1 U	2.1 U	2.2 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 U	1.1 UJ	1.1 UJ
Bromodichloromethane	2.7 U	3.3 U	2.7 U	1.3 U	1.3 U	2.5 U	2.5 U	2.6 U	2.6 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	4.2 U	5.1 U	4.2 U	2.1 U	2.1 U	3.9 U	3.9 U	4.0 U	4.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	1.6 U	1.9 U	1.6 U	0.78 U	0.78 U	1.5 U	1.5 U	1.5 U	1.5 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
Butadiene, 1,3-	0.89 U	**6.8**	0.90 U	0.44 U	0.44 U	0.84 U	0.83 U	0.85 U	0.87 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Butane	**1.1**	**7.3**	0.96 U	**0.93**	**0.40 J**	0.90 U	**0.62 J**	2.3 U	0.94 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	**0.26 J**	**0.17 J**	**0.28 J**	**0.14 J**
Butanone,2-	**5**	**43**	**3.0**	**0.50 J**	**0.75 J**	**2.6**	**2.7**	**3.1**	1.2 UJ	**0.32 J**	**0.60 J**	**0.77**	**0.62 J**	**1.7**	**0.29 J**	**2.1**	**2.3**	**0.68**
Carbon disulfide	**6.3 J**	**3**	**20**	**6.6**	**17**	**48**	2.9 U	3.0 U	3.1 U	**0.40 J**	**0.79**	**3.0**	**0.21 J**	1.2 U	**0.85**	**1.2**	**1.6**	0.62 U
Carbon tetrachloride	2.5 UJ	3.1 U	2.6 U	1.3 U	1.3 U	2.4 U	2.4 U	2.4 U	2.5 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Chlorobenzene	1.9 U	2.3 U	1.9 U	0.92 U	0.92 U	1.7 U	1.7 U	1.8 U	1.8 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Chloroethane	1.1 U	1.3 U	1.1 U	0.53 U	0.53 U	1.0 U	0.99 U	1.0 U	1 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U
Chloroform	2 U	2.4 U	**2.6**	**0.63 J**	**1.4**	**1.9**	**13**	**14**	1.9 U	0.98 U	**1.1**	0.98 U	0.98 U	**2.0**	**3.0**	**6.1**	**1.7**	**3.2**
Chloromethane	**1.4**	**0.91 J**	**0.54 J**	0.41 U	**0.14 J**	0.78 U	1.9 U	2.0 U	0.81 U	0.41 U	0.41 U	**0.23 J**	0.41 U	**0.17 J**	0.41 U	**0.12 J**	**0.19 J**	**0.12 J**
Chlorotoluene,2-	2.1 U	2.6 U	2.1 U	1.0 U	1.0 U	2.0 U	1.9 U	2.0 U	2 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cryofluorane	2.8 U	3.5 U	2.8 U	1.4 U	1.4 U	2.6 U	2.6 U	2.7 U	2.8 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Cyclohexane	**17**	1.7 U	1.4 U	**0.28 J**	**100**	**290**	1.3 U	1.3 U	**0.81 J**	0.69 U	**0.26 J**	**0.48 J**	0.69 U	0.69 U	0.69 U	**0.28 J**	0.69 U	0.69 U
Decane, n-	**3.3**	**2 J**	2.4 U	**0.99 J**	**3.1**	**69**	**1.9 J**	**2.7**	**1.2 J**	1.2 U	**0.30 J**	**0.64 J**	**10**	**12**	**2.4**	**72**	**1.4**	**3.7**
Dibromochloromethane	3.4 U	4.2 U	3.5 U	1.7 U	1.7 U	3.2 U	3.2 U	3.3 U	3.4 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dibromoethane,1,2-	3.1 U	3.8 U	3.1 U	1.5 U	1.5 U	2.9 U	2.9 U	3.0 U	3 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Dichlorobenzene,1,2-	2.4 U	3 U	2.4 U	1.2 U	1.2 U	2.3 U	2.3 U	2.3 U	2.4 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene,1,3-	2.4 U	3 U	2.4 U	**4.7**	**3.0**	**8.1**	2.3 U	2.3 U	2.4 U	1.2 U	1.2 U	1.2 U	1.2 U	**1.4**	1.2 U	**6.2**	1.2 U	**0.36 J**
Dichlorobenzene,1,4-	2.4 U	3 U	2.4 U	**0.54 J**	**1.0 J**	**1.4 J**	2.3 U	2.3 U	2.4 U	1.2 U	1.2 U	1.2 U	**0.41 J**	1.2 U	1.2 U	**0.60 J**	1.2 U	1.2 U
Dichlorodifluoromethane	**2.7**	**2 J**	**2.9**	**3.6**	**2.7**	**2.5**	**3.6**	**3.2**	**2.2**	**3.3**	**2.0**	**2.3**	**2.0**	**3.7**	**1.8**	**2.2**	**2.9**	**2.7**
Dichloroethane,1,1-	1.6 U	2 U	1.6 U	0.81 U	0.81 U	1.5 U	1.5 U	1.6 U	1.6 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethane,1,2-	1.6 U	2 U	1.6 U	0.81 U	0.81 U	1.5 U	1.5 U	1.6 U	1.6 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethene, cis-1,2-	1.6 U	2 U	1.6 U	0.79 U	0.79 U	1.5 U	1.5 U	1.5 U	1.6 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloroethene,1,1-	1.6 U	2 U	1.6 U	0.79 U	0.79 U	1.5 U	1.5 U	1.5 U	1.6 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloropropane,1,2-	1.9 U	2.3 U	1.9 U	0.92 U	0.92 U	1.8 U	1.7 U	1.8 U	1.8 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Dichloropropene, cis-1,3	1.8 U	2.2 U	1.8 U	0.91 U	0.91 U	1.7 U	1.7 U	1.8 U	1.8 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dichloropropene, trans-1,3	1.8 U	2.2 U	1.8 U	0.91 U	0.91 U	1.7 U	1.7 U	1.8 U	1.8 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dioxane,1,4-	1.4 U	1.8 U	1.5 U	1.8 U	0.72 U	1.4 U	3.4 U	3.5 U	3.6 U	1.8 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Dodecane, n-	**9.2**	**5 J**	**2.8 J**	**0.97 J**	**1.3 J**	**50 J**	**11 J**	**5.8 J**	**18 J**	**1.7**	**0.77 J**	**6.1 J**	**7.7**	**20 J**	**1.9**	**71 J**	**0.70 J**	**4.2 J**
Ethanol	**3.5 J**	**40**	**5.9**	**12**	**3.6 J**	**5.3**	**23**	**30**	**2.7 J**	**0.73 J**	**1.1 J**	**1.4 J**	**4.3 J**	**4.5**	**1.3 J**	**2.2**	**6.4**	**1.5 J**
Ethylthiophene, 2-	1.8 U	2.3 U	1.9 U	0.92 U	0.92 U	1.7 U	1.7 U	1.8 U	1.8 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Ethyltoluene, p-	2 U	2.4 U	**1.2 J**	**0.74 J**	**1.7**	**3.5**	1.8 U	1.9 U	1.9 U	0.98 U	0.98 U	0.98 U	**0.42 J**	0.98 U	**0.79 J**	**0.49 J**	0.98 U	0.98 U
Heptane, n-	1.6 U	**1.6 J**	1.7 U	**4.8 J**	**4.5 J**	**5.8**	1.5 U	1.6 U	1.6 U	0.82 UJ	0.82 UJ	0.82 U	**0.23 J**	0.82 U	0.82 UJ	**1.2 J**	0.82 UJ	0.82 U
Hexachlorobutadiene	4.3 U	5.3 U	4.3 U	2.1 U	2.1 U	4.0 U	4.0 UJ	4.1 UJ	4.2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Hexane, n-	**28**	**3.2**	**1.6**	**0.49 J**	**70**	**150 J**	**1.9**	**1.4**	1.4 U	0.70 U	0.70 U	0.70 UJ	**0.26 J**	0.70 UJ	0.70 U	**0.49 J**	0.70 U	0.70 UJ
Hexanone,2-	1.6 U	**3.6**	**2.2**	0.82 U	0.82 U	1.6 U	1.5 U	1.6 U	1.6 U	0.82 U	0.82 U	**0.25 J**	0.82 U	**0.45 J**	0.82 U	0.82 U	0.82 U	**0.25 J**
Indan	2 U	2.4 U	**1.7 J**	**0.43 J**	**0.85 J**	**1.8**	**0.93 J**	**0.95 J**	1.9 U	0.97 U	0.97 U	0.97 U	**0.26 J**	0.97 U	**0.52 J**	**0.72 J**	0.97 U	0.97 U
Indene	1.9 U	**1.3 J**	1.9 U	0.95 U	0.95 U	1.8 U	1.8 U	1.8 U	1.9 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	1.5 U	1.8 U	**2.6**	0.72 U	0.72 U	1.4 U	1.4 U	1.4 U	1.4 U	0.72 U	0.72 U	0.72 UJ	0.72 U	0.72 UJ	0.72 U	0.72 U	0.72 U	0.72 UJ
Methyl-2-pentanone,4-	1.6 U	**4**	1.7 U	0.82 U	0.82 U	**1.3 J**	1.5 U	1.6 U	1.6 U	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
Methylene chloride	**31**	**4.5**	**2.4**	0.83 U	1.7 U	3.2 U	**4.9 J**	3.3 U	**1.5 J**	0.69 U	1.7 U	2.2 U	1.7 U	1.8 U	1.7 U	1.7 U	1.7 U	1.7 U
Methylnaphthalene,1-	29 U	2.9 U	2.4 U	14 UJ	1.2 UJ	5.5 U	2.2 U	2.2 U	2.3 UJ	14 UJ	1.2 UJ	2.9 UJ	1.2 UJ	2.9 U	1.2 UJ	2.9 UJ	1.2 UJ	2.9 UJ
Methylnaphthalene,2-	12 U	36 UJ	2.4 U	14 UJ	1.2 UJ	5.5 U	2.2 U	2.2 U	2.3 UJ	14 UJ	1.2 UJ	2.9 UJ	1.2 UJ	2.9 U	1.2 UJ	**0.70 J**	1.2 UJ	2.9 UJ
Methylthiophene, 2-	1.6 U	2 U	1.6 U	0.80 U	0.80 U	1.5 U	1.5 U	1.6 U	1.6 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 UJ	0.80 U	0.80 U	0.80 U	0.80 U
Methylthiophene, 3-	1.6 U	2 U	1.6 U	0.80 U	0.80 U	1.5 U	1.5 U	1.6 U	1.6 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 UJ	0.80 U	0.80 U	0.80 U	0.80 U
Naphthalene	2.1 U	**1.6 J**	2.1 U	1.0 U	**0.73 J**	**1.4 J**	**2.0 J**	**2.2 J**	2.1 U	1.0 U	1.0 U	**0.79 J**	**0.37 J**	**0.73 J**	1.0 U	**1.7**	1.0 U	1.0 U
Nonane	2.1 U	**1.9 J**	2.1 U	**0.79 J**	**9.4**	**10**	2.0 U	**1.0 J**	2.1 U	1.0 U	1.0 U	1.0 U	**0.39 J**	**0.42 J**	1.0 U	**1.2**	1.0 U	1.0 U

Table 5-1
Summary of Soil Vapor Results for OU-1, OU-2 and OU-3
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Units No. 2 3

Sample Name:	OU2SG13	OU2SG13	OU2SG13	OU2SG13	OU2SG13	OU2SG13	OU2SG14	Duplicate of OU2SG14	OU2SG14	OU2SG14	OU2SG14	OU2SG14	OU2SG15	OU2SG15	OU2SG16	OU2SG16	OU2SG17	OU2SG17
Sample Date:	5/24/2007	7/25/2007	9/20/2007	12/19/2007	4/3/2008	6/24/2008	3/30/2007	3/30/2007	6/14/2007	12/19/2007	4/3/2008	6/19/2008	4/3/2008	6/19/2008	4/3/2008	6/24/2008	4/3/2008	6/20/2008
Other VOCs Continued (ug/m3)																		
Octane, n-	1.9 U	**1.3 J**	1.9 U	**0.84 J**	**12**	**260**	1.8 U	1.8 U	1.8 U	0.93 U	0.93 U	**0.37 J**	**2.7**	**10**	**1.0**	**230**	**4.3**	**4.4**
Pentane	1.2 U	**6.1**	**1.1 J**	**0.41 J**	**0.31 J**	**0.95 J**	1.1 U	1.1 U	1.2 U	0.59 U	0.59 U	0.59 U	**0.39 J**	**0.21 J**	**0.47 J**	**0.32 J**	**0.75**	**0.65**
Propanol,2-	**2 J**	**4.8**	**1.9**	**2.4 J**	**0.63 J**	2.3 UJ	**1.7 J**	**3.2 J**	4.8 U	0.49 U	**0.29 J**	**0.56 J**	**1.0 J**	**0.81 J**	**0.53 J**	1.7 UJ	**1.5**	**0.86 J**
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	1.7 U	**1.2 J**	1.7 U	**0.34 J**	**1.4**	**3.5**	**17 J**	**25 J**	1.7 U	0.85 U	0.85 U	0.85 U	**0.36 J**	0.85 U	0.85 U	**0.47 J**	0.85 U	0.85 U
t-Butyl alcohol	1.2 U	**5.1**	**3.2**	0.61 U	**0.36 J**	**2.7**	1.1 UJ	1.2 UJ	1.2 U	0.61 U	0.61 U	0.61 U	**0.68**	0.61 U	**0.28 J**	**1.8**	**0.94**	0.61 U
Tetrachloroethane,1,1,2,2-	2.8 U	3.4 U	2.8 U	1.4 U	1.4 U	2.6 U	2.6 U	2.6 U	2.7 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Tetrachloroethene	2.7 U	3.4 U	**1.6 J**	**1.0 J**	**2.5**	**5.2**	**7.9**	**8.0**	**4**	**0.54 J**	**0.89 J**	**1.8**	**6.4**	**5.6**	**11**	**6.5**	**3.9**	**1.8**
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	11 U	14 U	**7.0**	**0.27 J**	**2.0**	**3.7 J**	26 U	26 U	2.2 U	1.1 U	**0.29 J**	**1.5 J**	**1.1**	**1.0 J**	**0.81 J**	**3.6 J**	1.1 U	1.1 U
Thiophene	1.4 U	1.7 U	1.4 U	0.69 U	0.69 U	1.3 U	1.3 U	1.3 U	1.4 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Trans-1,2-dichloroethene	1.6 U	2 U	1.6 U	0.79 U	0.79 U	1.5 U	1.5 U	1.5 U	1.6 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.1 U	3.8 U	**0.93 J**	1.5 U	**0.88 J**	2.9 U	2.9 U	3.0 U	3 U	1.5 U	**0.52 J**	**0.46 J**	**0.55 J**	1.5 U	**1.5 J**	**0.61 J**	**0.74 J**	**0.54 J**
Trichlorobenzene,1,2,4-	3 U	3.7 U	3.0 U	1.5 U	1.5 U	2.8 U	2.8 UJ	2.9 UJ	2.9 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Trichloroethane,1,1,1-	2.2 UJ	2.7 U	2.2 U	1.1 U	1.1 U	2.1 U	2.0 U	2.1 U	2.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethane,1,1,2-	2.2 U	2.7 U	2.2 U	1.1 U	1.1 U	2.1 U	2.0 U	2.1 U	2.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethene	2.2 U	2.7 U	2.2 U	**0.32 J**	1.1 U	2.0 U	2.0 U	2.1 U	2.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichlorofluoromethane	2.3 U	**1.1 J**	**1.6 J**	**1.4**	**1.5**	**1.6 J**	**1.4 J**	**1.8 J**	**1.2 J**	**1.7**	**1.1**	**1.2**	**1.2**	**1.9**	**1.4**	**2.2**	**1.9**	**1.6**
Trimethylbenzene,1,2,3-	2 U	**0.97 J**	**5.9**	**0.64 J**	**4.8**	**10**	**1.9**	1.9 U	1.9 U	0.98 U	0.98 U	0.98 U	**1.8**	**0.88 J**	**3.8**	**3.6**	**0.66 J**	**0.29 J**
Trimethylbenzene,1,2,4-	2 U	2.4 U	**6.9**	**2.4**	**1.6**	**3.7**	1.8 U	1.9 U	1.9 U	0.98 U	0.98 U	0.98 U	**0.53 J**	0.98 U	**0.46 J**	**0.88 J**	0.98 U	0.98 U
Trimethylbenzene,1,3,5-	2 U	2.4 U	**3.2**	**0.79 J**	**1.5**	**3.8**	1.8 UJ	**5.2 J**	1.9 U	0.98 U	0.98 U	0.98 U	**1.3**	**0.54 J**	**1.7**	**1.8**	**0.38 J**	0.98 U
Trimethylpentane, 2,2,4-	1.9 U	2.3 U	1.9 U	0.93 U	0.93 UJ	1.8 U	1.8 UJ	1.8 UJ	1.8 U	0.93 U	0.93 UJ	0.93 U	**0.36 J**	0.93 U	0.93 UJ	0.93 U	0.93 UJ	0.93 U
Undecane, n-	**1.7 J**	**5.2**	**2.5 J**	**0.83 J**	**1.8**	**8.1**	**2.2 J**	2.5 UJ	**2.5 J**	**0.96 J**	**0.45 J**	1.3 U	**2.9**	**10**	**0.80 J**	**16**	**0.92 J**	**2.1**
Vinyl bromide	1.8 U	2.2 U	1.8 U	0.87 U	0.87 U	1.6 U	1.6 U	1.7 U	1.7 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl chloride	1 U	1.3 U	1.0 U	0.51 U	0.51 U	0.97 U	0.96 U	0.99 U	1 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U

Table 5-1
Summary of Soil Vapor Results for OU-1, OU-2 and OU-3
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Units No. 2 3

Sample Name:	OU2SG18	OU2SG18	OU2SG22	OU2SG22	OU2SG23	OU2SG23	Duplicate of OU2SG23	OU2SG24	OU2SG24	Duplicate of OU2SG24	OU3SG01	OU3SG01	OU3SG01	OU3SG01	OZSG01	OZSG01	OZSG01	OZSG01
Sample Date:	4/3/2008	6/19/2008	3/27/2008	6/19/2008	3/27/2008	6/19/2008	6/19/2008	4/3/2008	6/25/2008	6/25/2008	9/20/2007	12/19/2007	4/3/2008	6/19/2008	2/19/2008	3/17/2008	3/21/2008	6/25/2008
BTEX (ug/m3)																		
Benzene	0.64 U	0.64 UJ	**1.0**	0.64 UJ	**0.38 J**	0.64 UJ	0.64 UJ	**0.21 J**	**0.19 J**	0.64 UJ	**0.50 J**	**0.89**	**0.88**	**0.70 J**	**0.22 J**	**1.2 J**	**0.21 J**	**2.2 J**
Ethylbenzene	0.87 U	0.87 U	**0.42 J**	**0.22 J**	**0.38 J**	0.87 U	0.87 U	**0.26 J**	**0.26 J**	**0.39 J**	1.9 U	**4.2**	**3.1**	**14**	**0.35 J**	**22**	**1.6**	**0.35 J**
Toluene	**0.27 J**	**0.49 J**	**1.7**	**4.1**	**1.4**	**4.2**	**4.2**	**1.6**	**24**	**22**	**3.8**	**49**	**360**	**790**	**15**	**7.8**	**2.2**	**1.8**
Xylene, m,p-	1.7 U	**0.43 J**	**1.4 J**	**0.65 J**	**1.3 J**	**0.35 J**	**0.43 J**	**0.64 J**	**0.69 J**	**1.0 J**	**0.58 J**	**16**	**7.7**	**35**	**1.1 J**	**4.9 J**	**0.83 J**	**0.48 J**
Xylene, o-	0.87 U	0.87 U	**0.54 J**	**0.26 J**	**0.49 J**	0.87 U	0.87 U	**0.32 J**	**0.3 J**	**0.48 J**	**0.67 J**	**6.5**	**3.7**	**19**	**0.39 J**	**1.5 J**	0.87 U	**0.22 J**
Other VOCs (ug/m3)																		
Acetaldehyde	4.7 U	**6.0**	4.5 U	**6.0**	4.5 U	**7.6 J**	**5.3 J**	4.5 U	**15**	**12**	**21**	1.8 U	4.5 U	**3.1 J**	**1.6 J**	22 U	**7.2 J**	**120 J**
Acetone	2.6 U	**3.8**	4.9 U	**3.5**	**7.7 J**	**2.8 J**	**4.8 J**	1.9 U	4.8 U	**6.2**	**7.0**	2.8 U	1.9 U	**1.8**	**2.5 J**	5.9 U	1.2 U	**91**
Acrolein (propenal)	1.2 U	**0.14 J**	1.2 U	**0.23 J**	1.2 U	**0.18 J**	**0.18 J**	1.2 U	**0.39 J**	**0.34 J**	1.0 U	0.46 U	1.2 U	0.46 U	0.46 U	5.7 U	1.2 U	**3.2**
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	1.4 U	0.63 UJ	0.63 U	0.63 U	0.63 U	3.1 U	0.63 U	0.63 U
Benzothiophene	1.1 UJ	1.1 UJ	1.1 U	1.1 UJ	1.1 U	1.1 UJ	1.1 UJ	1.1 UJ	1.1 U	1.1 U	2.4 U	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	5.5 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	3.0 U	1.3 U	1.3 U	1.3 U	1.3 U	6.7 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 U	2.1 U	4.6 U	2.1 U	2.1 U	2.1 U	2.1 U	10 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	1.7 U	0.78 U	0.78 U	0.78 U	0.78 U	3.9 U	0.78 U	0.78 U
Butadiene, 1,3-	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.98 U	0.44 U	0.44 U	0.44 U	0.44 U	2.2 U	0.44 U	**3.6**
Butane	0.48 U	0.48 U	**0.50**	0.48 U	0.48 U	0.48 U	**0.14 J**	**0.18 J**	0.48 U	0.48 U	1.0 U	**2.9**	0.48 U	**0.14 J**	**0.62**	**83**	**12**	**5.8**
Butanone,2-	**0.55 J**	**0.59**	**0.73 J**	**0.85**	**14**	**0.44 J**	**0.59**	**0.66 J**	**0.88**	**1.0**	**1.8**	**0.62**	**0.38 J**	0.59 U	**0.62**	3.0 U	**0.34 J**	**13**
Carbon disulfide	**0.34 J**	0.62 U	**0.36 J**	0.84 U	**0.38 J**	0.62 U	0.81 U	**0.51 J**	1.1 U	0.75 U	**3.0**	**1.5**	**8.5**	**82**	**0.22 J**	3.1 U	**0.26 J**	1.3 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	2.8 U	1.3 U	1.3 U	1.3 U	1.3 U	6.3 U	**0.38 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	2.0 U	0.92 U	0.92 U	0.92 U	0.92 U	4.6 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	1.2 U	0.53 U	0.53 U	0.53 U	0.53 U	2.6 U	0.53 U	0.53 U
Chloroform	**0.44 J**	**1.2**	**1.0**	**18**	**0.34 J**	**1.4**	**2.2**	**0.36 J**	**2.4**	**2.3**	**3.7**	**0.54 J**	**0.64 J**	**2.5**	**0.93 J**	4.9 U	**1.4**	**0.78 J**
Chloromethane	0.41 U	**0.17 J**	**0.44**	**0.25 J**	0.41 U	**0.12 J**	**0.27 J**	**0.14 J**	**0.21 J**	**0.14 J**	0.92 U	0.41 U	**0.15 J**	**0.12 J**	0.41 U	2.1 U	0.41 U	**0.21 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 U	1.0 U	2.3 U	1.0 U	1.0 U	1.0 U	1.0 U	5.2 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	3.1 U	1.4 U	1.4 U	1.4 U	1.4 U	7.0 U	1.4 U	1.4 U
Cyclohexane	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	**0.34 J**	**0.28 J**	**0.28 J**	**1.1**	**1.1**	**1.8**	**0.21 J**	**70**	**270**	**0.21 J**	**1300**	**220**	0.69 U
Decane, n-	1.2 U	**10**	**3.0**	**11**	**2.0**	**7.6**	**7.3**	**1.7**	**4.9**	**4.3**	2.6 U	**1.9**	1.2 U	1.2 U	**5.4**	**7.6**	**3.7**	**0.41 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	3.8 U	1.7 U	1.7 U	1.7 U	1.7 U	8.5 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	3.4 U	1.5 U	1.5 U	1.5 U	1.5 U	7.7 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	2.7 U	1.2 U	1.2 U	**0.42 J**	1.2 U	6.0 U	1.2 U	1.2 U
Dichlorobenzene,1,3-	1.2 U	1.2 U	**0.74 J**	**1.3**	**0.48 J**	1.2 U	1.2 U	**0.59 J**	**1.3**	**1.0 J**	2.7 U	**0.84 J**	**0.56 J**	**2.3**	**1.3**	**3.3 J**	**1.4**	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	2.7 U	**0.72 J**	**0.46 J**	**2.5**	1.2 U	6.0 U	1.2 U	**0.48 J**
Dichlorodifluoromethane	**3.0**	**2.5**	**2.0**	**2.5**	**2.1**	**2.5**	**3.3**	**2.3**	**2.5**	**2.5**	**2.7**	**2.8**	**2.2**	**2.5**	**2.0**	**1.5 J**	**2.0**	**0.79 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	1.8 U	0.81 U	0.81 U	0.81 U	0.81 U	4.0 U	**0.34 J**	**7.3**
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	1.8 U	0.81 U	0.81 U	0.81 U	0.81 U	4.0 U	0.81 U	0.81 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	1.8 U	0.79 U	0.79 U	0.79 U	0.79 U	4.0 U	0.79 U	0.79 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	1.8 U	0.79 U	0.79 U	0.79 U	0.79 U	4.0 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	2.0 U	0.92 U	0.92 U	0.92 U	0.92 U	4.6 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	2.0 U	0.91 U	0.91 U	0.91 U	0.91 U	4.5 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	2.0 U	0.91 U	0.91 U	0.91 U	0.91 U	4.5 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	1.6 U	1.8 U	0.72 U	0.72 U	0.72 U	3.6 U	0.72 U	0.72 U
Dodecane, n-	1.4 U	**37 J**	**1.8**	**11 J**	**2.9**	**26 J**	**24 J**	**1.0 J**	**11 J**	**10 J**	**1.8 J**	**1.2 J**	**0.62 J**	**1.0 J**	**1.0 J**	**2.3 J**	**5.1**	**0.49 J**
Ethanol	**1.5 J**	**3.0**	**9.0**	**2.7**	**4.6 J**	**1.4 J**	**1.8 J**	**6.2**	**4.8**	**4.0**	**6.6**	**21**	**3.5 J**	**3.1**	**2.8**	**18**	**3.4 J**	**3.4**
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	2.0 U	0.92 U	0.92 U	0.92 U	0.92 U	4.6 U	0.92 U	0.92 U
Ethyltoluene, p-	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	**0.25 J**	2.2 U	**2.6**	**0.97 J**	**4.1**	0.98 U	4.9 U	0.98 U	0.98 U
Heptane, n-	0.82 U	0.82 U	**0.46 J**	0.82 U	0.82 U	0.82 U	0.82 U	0.82 UJ	0.82 U	0.82 U	1.8 U	**13 J**	0.82 UJ	**0.53 J**	**2.9**	**3.3 J**	0.82 U	**0.49 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	4.7 U	2.1 U	2.1 U	2.1 U	2.1 U	11 U	2.1 U	2.1 U
Hexane, n-	0.70 UJ	0.70 UJ	**0.28 J**	0.70 UJ	**0.45 J**	**0.28 J**	**0.42 J**	**0.78**	**2.8 J**	**2.2 J**	**2.1**	**0.56 J**	**2.1**	**37 J**	0.70 U	**270**	**28**	**0.81 J**
Hexanone,2-	0.82 U	**0.20 J**	0.82 U	**0.45 J**	**1.1**	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	1.8 U	0.82 U	0.82 U	0.82 U	0.82 U	4.1 U	0.82 U	**1.6**
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	2.1 U	**1.7**	**0.68 J**	**3.2**	0.97 U	4.8 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	2.1 U	0.95 U	0.95 U	**0.43 J**	0.95 U	4.8 U	0.95 U	**0.57 J**
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	0.72 U	0.72 UJ	0.72 U	0.72 UJ	0.72 U	0.72 UJ	0.72 UJ	0.72 U	0.72 U	0.72 U	1.6 U	0.72 U	0.72 U	0.72 UJ	0.72 U	3.6 U	0.72 U	0.72 U
Methyl-2-pentanone,4-	0.82 U	0.82 U	0.82 U	0.82 U	**1.6**	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	1.8 U	0.82 U	0.82 U	0.82 U	0.82 U	4.1 U	0.82 U	**1.5**
Methylene chloride	1.7 U	1.8 U	**0.28 J**	1.7 U	**0.34 J**	1.7 UJ	**15 J**	1.7 U	2.3 U	1.7 U	**2.5**	0.69 U	1.7 U	1.7 U	**0.31 J**	8.5 U	**0.30 J**	1.7 U
Methylnaphthalene,1-	1.2 UJ	2.9 UJ	1.2 U	2.9 UJ	1.2 U	2.9 UJ	2.9 UJ	1.2 UJ	2.9 U	2.9 U	2.6 U	14 UJ	1.2 UJ	**0.35 J**	1.2 UJ	5.8 U	1.2 U	2.9 U
Methylnaphthalene,2-	1.2 UJ	2.9 UJ	1.2 U	2.9 UJ	1.2 U	2.9 UJ	2.9 UJ	1.2 UJ	2.9 U	2.9 U	2.6 U	14 UJ	1.2 UJ	**0.64 J**	1.2 UJ	5.8 U	1.2 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	0.8 U	0.80 U	1.8 U	0.80 U	0.80 U	0.80 U	0.80 U	4.0 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	0.8 U	0.80 U	1.8 U	0.80 U	0.80 U	0.80 U	0.80 U	4.0 U	0.80 U	0.80 U
Naphthalene	1.0 U	**0.47 J**	1.0 U	**0.42 J**	1.0 U	**0.37 J**	**0.26 J**	1.0 U	**0.31 J**	**0.42 J**	2.3 U	**0.42 J**	**0.30 J**	**3.6**	1.0 U	5.2 U	1.0 U	1.0 U
Nonane	1.0 U	1.0 U	**0.30 J**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U	2.3 U	**1.7**	1.0 U	1.0 U	**0.52 J**	**2.0 J**	1.0 U	1.0 U

Table 5-1
Summary of Soil Vapor Results for OU-1, OU-2 and OU-3
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Units No. 2 3

Sample Name:	OU2SG18	OU2SG18	OU2SG22	OU2SG22	OU2SG23	OU2SG23	Duplicate of OU2SG23	OU2SG24	OU2SG24	Duplicate of OU2SG24	OU3SG01	OU3SG01	OU3SG01	OU3SG01	OZSG01	OZSG01	OZSG01	OZSG01
Sample Date:	4/3/2008	6/19/2008	3/27/2008	6/19/2008	3/27/2008	6/19/2008	6/19/2008	4/3/2008	6/25/2008	6/25/2008	9/20/2007	12/19/2007	4/3/2008	6/19/2008	2/19/2008	3/17/2008	3/21/2008	6/25/2008
Other VOCs Continued (ug/m3)																		NA
Octane, n-	0.93 U	**0.79 J**	**3.2**	**11**	**1.6**	**0.75 J**	**0.70 J**	**9.7**	**1.6**	**1.5**	2.1 U	**1.3**	0.93 U	**0.23 J**	**2.8**	**66**	**1.2**	0.93 U
Pentane	0.59 U	0.59 U	**0.51 J**	0.59 U	**0.20 J**	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	**0.52 J**	**0.83**	**0.44 J**	**0.41 J**	0.59 U	**170**	**17**	**1.9**
Propanol,2-	**0.53 J**	**0.98 J**	**1.6**	**0.59 J**	**0.96 J**	1.2 UJ	**1.2 J**	**1.0 J**	1.2 UJ	1.2 UJ	**1.6**	**1.6 J**	**0.61 J**	**0.44 J**	0.49 U	**6.0 J**	1.2 U	1.9 UJ
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.85 U	0.85 U	0.85 U	**0.30 J**	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	1.9 U	**0.26 J**	**0.41 J**	**1.9**	0.85 U	4.3 U	0.85 U	**0.43 J**
t-Butyl alcohol	**0.38 J**	0.61 U	**0.39 J**	0.61 U	**0.77**	0.61 U	0.61 U	**0.36 J**	**1**	**0.88**	**3.0**	**0.45 J**	0.61 U	0.61 U	0.61 U	3.0 U	0.61 U	**0.76**
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	3.0 U	1.4 U	1.4 U	1.4 U	1.4 U	6.9 U	1.4 U	1.4 U
Tetrachloroethene	**1.2 J**	**1.4**	**1.4**	**5.4**	**0.88 J**	**1.4**	**2.2**	**3.3**	**4.1**	**3.5**	**0.90 J**	**0.81 J**	**1.2 J**	**4.2**	**0.95 J**	**9.8**	**4.2**	**57**
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**NA**
Tetramethylbenzene, 1,2,4,5-	1.1 U	1.1 U	1.1 U	**0.66 J**	**0.45 J**	**0.27 J**	1.1 U	1.1 U	1.1 U	1.1 U	2.4 U	**0.77 J**	**0.94 J**	**16 J**	**0.27 J**	5.5 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	1.5 U	0.69 U	0.69 U	0.69 U	0.69 U	3.4 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	1.8 U	0.79 U	0.79 U	0.79 U	0.79 U	4.0 U	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	**0.80 J**	**0.61 J**	1.5 U	**0.61 J**	**0.48 J**	**0.54 J**	**0.69 J**	**0.71 J**	**0.54 J**	**0.46 J**	3.4 U	1.5 U	**0.76 J**	**0.61 J**	**0.54 J**	7.7 U	1.5 U	1.5 U
Trichlorobenzene,1,2,4-	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.3 U	1.5 U	1.5 U	1.5 U	1.5 U	7.4 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 J**	1.1 U	1.1 U	1.1 U	1.1 U	**2.2 J**	**1.2**	**14**
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	2.4 U	1.1 U	1.1 U	1.1 U	1.1 U	5.4 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	2.4 U	1.1 U	1.1 U	1.1 U	1.1 U	5.4 U	**1.5**	**0.64 J**
Trichlorofluoromethane	**1.7**	**1.6**	**1.1 J**	**1.4**	**1.0 J**	**1.3**	**1.6**	**1.3**	**1.5**	**1.5**	**1.5 J**	1.2 U	**1.3**	**1.6**	**2.2**	**1.7 J**	**1.2**	**4.0**
Trimethylbenzene,1,2,3-	0.98 U	**0.59 J**	**0.72 J**	**0.74 J**	**0.98**	**0.49 J**	**0.44 J**	**0.38 J**	**0.49 J**	**0.44 J**	**0.65 J**	**2.6**	**3.4**	**12**	**0.84 J**	**1.8 J**	0.98 U	0.98 U
Trimethylbenzene,1,2,4-	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	0.98 U	**0.98 J**	**9.5**	**0.48 J**	**0.84 J**	**0.34 J**	4.9 U	0.98 U	0.98 U
Trimethylbenzene,1,3,5-	0.98 U	**0.39 J**	**0.36 J**	**0.49 J**	**0.38 J**	**0.29 J**	**0.29 J**	0.98 U	0.98 U	**0.44 J**	2.2 U	**2.7**	**1.1**	**5.9**	**0.34 J**	4.9 U	0.98 U	0.98 U
Trimethylpentane, 2,2,4-	0.93 UJ	0.93 U	0.93 U	0.93 U	**0.37 J**	0.93 U	0.93 U	0.93 UJ	0.93 U	0.93 U	2.1 U	0.93 U	0.93 UJ	0.93 U	0.93 U	4.7 U	0.93 U	0.93 U
Undecane, n-	1.3 U	**0.51 J**	**1.0 J**	**1.2 J**	**0.89 J**	**0.57 J**	**0.38 J**	**0.49 J**	**5.7**	**7.2**	**1.4 J**	**1.3**	1.3 U	1.3 U	**1.0 J**	**1.7 J**	**2.0**	**2.6**
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	1.9 U	0.87 U	0.87 U	0.87 U	0.87 U	4.4 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	1.1 U	0.51 U	0.51 U	0.51 U	0.51 U	2.6 U	0.51 U	0.51 U

Table 5-1
Summary of Soil Vapor Results for OU-1, OU-2 and OU-3
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Units No. 2 3

Sample Name:	OZSG02	OZSG02	OZSG02	OZSG03	OZSG03	OZSG03	OZSG03	OZSG03	OZSG04	OZSG04	OZSG04	OZSG04	OZSG05	OZSG05	OZSG05	OZSG05
Sample Date:	2/19/2008	3/17/2008	6/25/2008	2/21/2007	2/19/2008	3/17/2008	3/21/2008	6/25/2008	2/19/2008	3/17/2008	3/21/2008	6/25/2008	2/19/2008	3/17/2008	3/21/2008	6/25/2008
BTEX (ug/m3)																
Benzene	**0.26 J**	**0.20 J**	**0.16 J**	**1.0 J**	0.64 U	**0.23 J**	0.64 U	**1.3 J**	**1.1**	**0.27 J**	**0.31 J**	**4.0 J**	0.64 U	0.64 U	0.64 U	**2.8**
Ethylbenzene	**0.35 J**	**0.82 J**	**0.22 J**	**2.5**	0.87 U	**0.83 J**	0.87 U	4.3 U	**1.8**	**0.65 J**	**0.22 J**	4.3 U	**0.35 J**	**0.60 J**	0.87 U	**0.52 J**
Toluene	**6.6**	**5.2**	**4.7**	**6.6**	**4.6**	**3.9**	**1.4**	3.8 U	**8.5**	**3.6**	**1.0**	**3.6 J**	**13**	**3.7**	**1.0**	**7.3**
Xylene, m,p-	**0.87 J**	**2.6**	**0.65 J**	**7.2**	**0.56 J**	**2.8**	**0.44 J**	8.7 U	**5.2**	**2.0**	**0.65 J**	8.7 U	**1.1 J**	**2.0**	**0.45 J**	**1.0 J**
Xylene, o-	**0.43 J**	**0.87**	0.87 U	**2.9**	**0.22 J**	**1.3**	**0.32 J**	4.3 U	**2.1**	**0.79 J**	**0.27 J**	4.3 U	**0.39 J**	**0.71 J**	0.87 U	**0.26 J**
Other VOCs (ug/m3)																
Acetaldehyde	**1.7 J**	4.5 U	**17**	**0.55 J**	**2.1 J**	4.5 U	4.5 U	22.5 U	**3.4 J**	4.5 U	**26 J**	**230**	**2.4 J**	**5.2**	**5.4**	**32**
Acetone	**1.7**	1.2 U	**7.7**	**12**	**3.7 J**	1.2 U	2.5 U	5.9 UJ	**4.1**	1.2 U	1.2 U	**170**	**2.3**	4.8 U	2.3 U	**47**
Acrolein (propenal)	0.46 U	1.2 U	**0.64**	0.93 U	0.46 U	1.2 U	1.2 U	2.3 U	0.46 U	1.2 U	1.2 U	**3.4**	0.46 U	1.2 U	1.2 U	**1.3**
Allyl chloride	0.63 U	0.63 U	0.63 U	1.3 U	0.63 U	0.63 U	0.63 U	3.1 U	0.63 U	0.63 U	0.63 U	3.1 U	0.63 U	0.63 U	0.63 U	0.63 U
Benzothiophene	1.1 UJ	1.1 U	1.1 U	11 UJ	1.1 UJ	1.1 U	1.1 U	5.5 U	1.1 UJ	1.1 U	1.1 U	5.5 U	1.1 UJ	1.1 U	1.1 U	1.1 U
Bromodichloromethane	1.3 U	1.3 U	1.3 U	2.7 U	1.3 U	**3.0**	**2.8**	6.7 U	1.3 U	1.3 U	1.3 U	6.7 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	2.1 U	2.1 U	2.1 U	4.2 U	2.1 U	2.1 U	2.1 U	10 U	2.1 U	2.1 U	2.1 U	10 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	0.78 U	0.78 U	0.78 U	1.6 U	0.78 U	0.78 U	0.78 U	3.9 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
Butadiene, 1,3-	0.44 U	0.44 U	0.44 U	0.90 U	0.44 U	0.44 U	0.44 U	2.2 U	0.44 U	0.44 U	0.44 U	**5.6**	0.44 U	0.44 U	0.44 U	**0.38 J**
Butane	**0.43 J**	**27**	**0.40 J**	**3.1**	0.48 U	**4.5**	**0.74**	**41**	**0.74**	**160**	**180**	**14**	**0.78**	0.48 U	0.48 U	**3.1**
Butanone,2-	**0.44 J**	**1.2**	**9.6**	**0.90 J**	**26**	**1.0**	**0.54 J**	3.0 U	**0.50 J**	**1.4**	**1.8**	**31**	**2.1**	**32**	**0.36 J**	**6.0**
Carbon disulfide	**0.59 J**	0.65 U	0.93 U	1.3 U	0.62 U	0.62 U	0.62 U	3.1 U	**0.59 J**	0.62 U	**0.40 J**	4.8 U	0.62 U	0.62 U	0.62 U	1.3 U
Carbon tetrachloride	1.3 U	1.3 U	1.3 U	2.6 U	**0.41 J**	**0.63 J**	**0.54 J**	6.3 U	1.3 U	1.3 U	1.3 U	6.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Chlorobenzene	0.92 U	0.92 U	0.92 U	1.9 U	0.92 U	0.92 U	0.92 U	4.6 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
Chloroethane	0.53 U	0.53 U	0.53 U	1.1 U	0.53 U	**0.42 J**	0.53 U	2.6 U	0.53 U	0.53 U	0.53 U	2.6 U	0.53 U	0.53 U	0.53 U	0.53 U
Chloroform	0.98 U	0.98 U	**0.24 J**	2.0 U	**2.9**	**40**	**44**	**130**	0.98 U	0.98 U	0.98 U	4.9 U	0.98 U	**0.36 J**	0.98 U	**1.4**
Chloromethane	0.41 U	0.41 U	**0.37 J**	**0.25 J**	0.41 U	0.41 U	0.41 U	2.1 U	0.41 U	**0.17 J**	**0.16 J**	2.1 U	0.41 U	**0.27 J**	0.41 U	**0.17 J**
Chlorotoluene,2-	1.0 U	1.0 U	1.0 U	2.1 U	1.0 U	1.0 U	1.0 U	5.2 U	1.0 U	1.0 U	1.0 U	5.2 U	1.0 U	1.0 U	1.0 U	1.0 U
Cryofluorane	1.4 U	1.4 U	1.4 U	2.8 U	1.4 U	1.4 U	1.4 U	7.0 U	**2.0**	**1.5**	**1.1 J**	7.0 U	1.4 U	1.4 U	1.4 U	1.4 U
Cyclohexane	0.69 U	**22**	0.69 U	1.4 U	0.69 U	**10**	**1.5**	**250**	0.69 U	**0.32 J**	**0.27 J**	3.4 U	0.69 U	0.69 U	0.69 U	0.69 U
Decane, n-	**2.8**	**9.2**	**3.1**	**1.4 J**	**3.3**	**10**	1.2 UJ	5.8 U	**2.0**	**8.0**	**3.0**	5.8 U	**4.7**	**12**	**2.5**	1.2 U
Dibromochloromethane	1.7 U	1.7 U	1.7 U	3.5 U	1.7 U	1.7 U	1.7 U	8.5 U	1.7 U	1.7 U	1.7 U	8.5 U	1.7 U	1.7 U	1.7 U	1.7 U
Dibromoethane,1,2-	1.5 U	1.5 U	1.5 U	3.1 U	1.5 U	1.5 U	1.5 U	7.7 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
Dichlorobenzene,1,2-	1.2 U	1.2 U	1.2 U	2.4 U	1.2 U	1.2 U	1.2 U	6.0 U	1.2 U	1.2 U	1.2 U	6.0 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene,1,3-	**1.0 J**	**3.2**	**0.66 J**	2.4 U	**1.2**	**3.5**	**0.65 J**	6.0 U	1.2 U	**3.1**	**0.61 J**	6.0 U	**0.66 J**	**4.6**	**0.41 J**	1.2 U
Dichlorobenzene,1,4-	1.2 U	**0.39 J**	1.2 U	2.4 U	1.2 U	**0.38 J**	1.2 U	6.0 U	1.2 U	**0.31 J**	1.2 U	6.0 U	1.2 U	**0.43 J**	1.2 U	**0.48 J**
Dichlorodifluoromethane	**1.3**	**1.8**	**1.6**	**16**	**3.0**	**8.9**	**5.8**	**5.9**	**5.2**	**4.7**	**4.1**	**4.4 J**	**2.3**	**2.4**	**2.1**	**2.8**
Dichloroethane,1,1-	0.81 U	0.81 U	0.81 U	1.6 U	0.81 U	**0.26 J**	0.81 U	4.0 U	0.81 U	0.81 U	0.81 U	4.0 U	0.81 U	0.81 U	0.81 U	**2.1**
Dichloroethane,1,2-	0.81 U	0.81 U	0.81 U	1.6 U	0.81 U	0.81 U	0.81 U	4.0 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
Dichloroethene, cis-1,2-	0.79 U	0.79 U	0.79 U	1.6 U	0.79 U	0.79 U	0.79 U	4.0 U	0.79 U	0.79 U	0.79 U	4.0 U	0.79 U	0.79 U	0.79 U	**0.52 J**
Dichloroethene,1,1-	0.79 U	0.79 U	0.79 U	1.6 U	0.79 U	**0.21 J**	0.79 U	4.0 U	0.79 U	0.79 U	0.79 U	4.0 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	1.9 U	0.92 U	0.92 U	0.92 U	4.6 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
Dichloropropene, cis-1,3	0.91 U	0.91 U	0.91 U	1.8 U	0.91 U	0.91 U	0.91 U	4.5 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
Dichloropropene, trans-1,3	0.91 U	0.91 U	0.91 U	1.8 U	0.91 U	0.91 U	0.91 U	4.5 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
Dioxane,1,4-	0.72 U	0.72 U	0.72 U	3.6 U	0.72 U	0.72 U	0.72 U	3.6 U	0.72 U	0.72 U	0.72 U	3.6 U	0.72 U	0.72 U	0.72 U	0.72 U
Dodecane, n-	**0.70 J**	**2.1**	**5.8 J**	**2.5 J**	**0.85 J**	**2.6**	**5.2**	**5.6 J**	**1.3 J**	**2.1**	**2.5**	7.0 UJ	**1.5**	**5.1**	**24**	**2.0 J**
Ethanol	**1.5 J**	**11**	**2.5**	**20**	**1.6 J**	**11**	**2.5 J**	**3.1 J**	**1.8 J**	**9.9**	**8.9**	**4.9 J**	**2.2**	**6.5**	**4.7 J**	**0.68 J**
Ethylthiophene, 2-	0.92 U	0.92 U	0.92 U	1.9 U	0.92 U	0.92 U	0.92 U	4.6 U	0.92 U	0.92 U	0.92 U	4.6 U	0.92 U	0.92 U	0.92 U	0.92 U
Ethyltoluene, p-	0.98 U	**0.46 J**	0.98 U	**0.70 J**	0.98 U	**0.60 J**	0.98 U	4.9 U	**0.44 J**	**0.35 J**	0.98 U	4.9 U	**0.25 J**	**0.41 J**	0.98 U	0.98 U
Heptane, n-	**1.2**	**1.4**	0.82 U	**0.5 J**	**0.92**	**1.3**	0.82 U	4.1 U	**2.2**	**1.1**	0.82 U	4.1 U	**2.1**	**0.79 J**	0.82 U	0.82 U
Hexachlorobutadiene	2.1 U	2.1 U	2.1 U	4.3 UJ	2.1 U	2.1 U	2.1 U	11 U	2.1 U	2.1 U	2.1 U	11 U	2.1 U	2.1 U	2.1 U	2.1 U
Hexane, n-	0.70 U	**1.4**	0.70 UJ	**2.2**	0.70 U	**0.45 J**	0.70 U	3.5 UJ	**0.70**	0.70 U	0.70 U	**2.5 J**	0.70 U	0.70 U	0.70 U	0.70 UJ
Hexanone,2-	0.82 U	0.82 U	0.82 U	4.2 U	0.82 U	0.82 U	0.82 U	4.1 U	0.82 U	0.82 U	0.82 U	**3.5 J**	0.82 U	0.82 U	0.82 U	0.82 U
Indan	0.97 U	**0.27 J**	0.97 U	**1.3 J**	0.97 U	**0.39 J**	0.97 U	4.8 U	0.97 U	**0.26 J**	0.97 U	4.8 U	0.97 U	**0.33 J**	0.97 U	0.97 U
Indene	0.95 U	0.95 U	0.95 U	1.9 U	0.95 U	0.95 U	0.95 U	4.8 U	0.95 U	0.95 U	0.95 U	4.8 U	0.95 U	0.95 U	0.95 U	0.95 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	0.72 U	0.72 U	0.72 U	1.5 U	0.72 U	0.72 U	0.72 U	3.6 U	0.72 U	0.72 U	0.72 U	3.6 U	0.72 U	0.72 U	0.72 U	0.72 U
Methyl-2-pentanone,4-	0.82 U	0.82 U	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	**4.1**	0.82 U	0.82 U	0.82 U	0.82 U
Methylene chloride	**0.28 J**	1.7 U	6.7 U	**25**	**0.31 J**	1.7 U	**0.29 J**	8.5 U	**0.45 J**	1.7 U	**0.29 J**	8.5 U	**0.45 J**	1.7 U	**0.32 J**	**1.7 H**
Methylnaphthalene,1-	1.2 UJ	1.2 U	2.9 U	30 U	1.2 UJ	1.2 U	1.2 U	14 U	1.2 UJ	1.2 U	1.2 U	14 U	1.2 UJ	1.2 U	1.2 U	2.9 U
Methylnaphthalene,2-	1.2 UJ	1.2 U	2.9 U	30 U	1.2 UJ	1.2 U	1.2 U	14 U	1.2 UJ	1.2 U	1.2 U	14 U	1.2 UJ	1.2 U	1.2 U	2.9 U
Methylthiophene, 2-	0.80 U	0.80 U	0.80 U	1.6 U	0.80 U	0.80 U	0.80 U	4.0 U	0.80 U	0.80 U	0.80 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U
Methylthiophene, 3-	0.80 U	0.80 U	0.80 U	1.6 U	0.80 U	0.80 U	0.80 U	4.0 U	0.80 U	0.80 U	0.80 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U
Naphthalene	**0.37 J**	1.0 U	1.0 U	5.3 U	1.0 U	1.0 U	1.0 U	5.2 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
Nonane	**0.42 J**	**0.80 J**	1.0 U	**1.4 J**	**0.30 J**	**1.1**	**0.29 J**	5.2 U	**0.89 J**	**0.78 J**	**0.30 J**	5.2 U	**0.63 J**	**0.86 J**	1.0 U	1.0 U

Table 5-1
Summary of Soil Vapor Results for OU-1, OU-2 and OU-3
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Units No. 2 3

Sample Name:	OZSG02	OZSG02	OZSG02	OZSG03	OZSG03	OZSG03	OZSG03	OZSG03	OZSG04	OZSG04	OZSG04	OZSG04	OZSG05	OZSG05	OZSG05	OZSG05
Sample Date:	2/19/2008	3/17/2008	6/25/2008	2/21/2007	2/19/2008	3/17/2008	3/21/2008	6/25/2008	2/19/2008	3/17/2008	3/21/2008	6/25/2008	2/19/2008	3/17/2008	3/21/2008	6/25/2008
Other VOCs Continued (ug/m3)																
Octane, n-	**1.4**	**80**	**1.9**	**0.76 J**	**0.95**	**64**	**0.81 J**	4.7 U	**1.6**	**60**	**1.5**	4.7 U	**2.5**	**52**	**0.68 J**	0.93 U
Pentane	**0.32 J**	**12**	**0.38 J**	**0.78 J**	0.59 U	**3.7**	**0.44 J**	**64**	**0.62**	**40**	**27**	**5.8**	0.59 U	0.59 U	**0.27 J**	**1.5**
Propanol,2-	0.49 U	5.5 j	1.2 UJ	**1.0**	0.49 U	**3.8 J**	1.2 U	6.1 UJ	**45**	**28 J**	1.2 UJ	6.1 UJ	0.49 U	**2.0 J**	**0.73 J**	1.4 UJ
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.85 U	**0.27 J**	0.85 U	1.7 U	0.85 U	**0.34 J**	0.85 U	4.3 U	0.85 U	**0.22 J**	0.85 U	4.3 U	0.85 U	**0.22 J**	0.85 U	0.85 U
t-Butyl alcohol	0.61 U	0.61 U	**0.39 J**	1.2 U	0.61 U	0.61 U	0.61 U	3.0 U	0.61 U	0.61 U	**0.33 J**	**4.7**	0.61 U	**0.27 J**	**0.26 J**	**0.48 J**
Tetrachloroethane,1,1,2,2-	1.4 U	1.4 U	1.4 U	2.8 U	1.4 U	1.4 U	1.4 U	6.9 U	1.4 U	1.4 U	1.4 U	6.9 U	1.4 U	1.4 U	1.4 U	1.4 U
Tetrachloroethene	**3.9**	**5.8**	**5.5**	**0.96 J**	**1.0 J**	**4.4**	**1.6**	**12**	**12**	**9.2**	**4.4**	**16**	**1.2 J**	**3.5**	**1.2 J**	**35**
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	**0.27 J**	**0.33 J**	1.1 U	2.2 U	1.1 U	1.1 U	1.1 U	5.5 U	**0.49 J**	1.1 U	1.1 U	5.5 U	1.1 U	1.1 U	1.1 U	1.1 U
Thiophene	0.69 U	0.69 U	0.69 U	1.4 U	0.69 U	0.69 U	0.69 U	3.4 U	0.69 U	0.69 U	0.69 U	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	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	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**	**0.39 J**	1.5 U	3.1 U	**0.57 J**	**0.80 J**	**0.39 J**	7.7 U	**0.46 J**	**0.46 J**	**0.50 J**	7.7 U	**0.54 J**	**0.82 J**	**0.51 J**	**0.61 J**
Trichlorobenzene,1,2,4-	1.5 U	1.5 U	1.5 U	3.0 UJ	1.5 U	1.5 U	1.5 U	7.4 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
Trichloroethane,1,1,1-	1.1 U	**0.32 J**	**7.2**	2.2 U	1.1 U	**0.29 J**	1.1 U	**6.5**	**2.3**	**2.1**	**2.4**	**5.2 J**	**1.8**	**1.2**	**1.1 J**	**11**
Trichloroethane,1,1,2-	1.1 U	1.1 U	1.1 U	2.2 U	1.1 U	1.1 U	1.1 U	5.4 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
Trichloroethene	1.1 U	1.1 U	1.1 U	2.2 U	1.1 U	1.1 U	1.1 U	5.4 U	1.1 U	1.1 U	1.1 U	5.4 U	1.1 U	1.1 U	1.1 U	**0.43 J**
Trichlorofluoromethane	**1.4**	**1.8**	**3.0**	**1.9 J**	**1.1**	**1.8**	**1.1 J**	**3.6 J**	**7.2**	**7.4**	**6.2**	**22**	**1.5**	**1.6**	**1.1**	**4.4**
Trimethylbenzene,1,2,3-	**0.69 J**	**1.5**	**0.29 J**	**2.1**	**0.65 J**	**2.0**	0.98 U	4.9 U	**1.8**	**1.4**	**0.43 J**	4.9 U	**0.84 J**	**1.9**	**0.34 J**	0.98 U
Trimethylbenzene,1,2,4-	0.98 U	**0.53 J**	0.98 U	**4.2**	0.98 U	**0.67 J**	0.98 U	4.9 U	**0.98**	**0.42 J**	0.98 U	4.9 U	**0.25 J**	**0.50 J**	0.98 U	0.98 U
Trimethylbenzene,1,3,5-	**0.34 J**	**0.54 J**	0.98 U	**1.1 J**	**0.26 J**	**1.0**	0.98 U	4.9 U	**0.69 J**	**0.51 J**	0.98 U	4.9 U	**0.34 J**	**0.67 J**	0.98 U	0.98 U
Trimethylpentane, 2,2,4-	0.93 U	0.93 U	0.93 U	1.9 U	0.93 U	0.93 U	0.93 U	4.7 U	**0.61 J**	0.93 U	0.93 U	4.7 U	0.93 U	0.93 U	0.93 U	0.93 U
Undecane, n-	**0.57 J**	**1.7**	**3.2**	**1.6 J**	**0.80 J**	**1.6**	1.3 UJ	6.4 U	**0.77 J**	**1.5**	**1.5**	**7.4**	**0.96 J**	**2.4**	**7.3**	1.3 U
Vinyl bromide	0.87 U	0.87 U	0.87 U	1.8 U	0.87 U	0.87 U	0.87 U	4.4 U	0.87 U	0.87 U	0.87 U	4.4 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl chloride	0.51 U	0.51 U	0.51 U	1.0 U	0.51 U	0.51 U	0.51 U	2.6 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

Notes:
NE - not established
ND - not detected; total concentration is listed as ND because no compounds were detected in the group
NA - not analyzed

J - estimated value
U - indicates not detected to the reporting limit for organic analysis and the method detection limit for inorganic analysis
E - Value above quantitation range

Bolding indicates a detected result value
ug/m^3 - micrograms per cubic meter
BTEX - benzene, toluene, ethylbenzene, and xylene
VOCs - volatile organic compounds

Table 5-2
Ambient Air Analytical Data
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Units No. 2

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2AA01 7/21/2004	Duplicate of OU2AA01 7/21/2004	OU2AA01 10/13/2004	Duplicate of OU2AA01 10/13/2004	OU2AA01 5/5/2005	Duplicate of OU2AA01 5/5/2005	OU2AA01 8/30/2005	Duplicate of OU2AA01 8/30/2005	OU2AA01 2/1/2006	Duplicate of OU2AA01 2/1/2006	OU2AA01 6/14/2006	Duplicate of OU2AA01 6/14/2006	OU2AA01 9/7/2006
BTEX (ug/m3)														
Benzene	5.8	2.5 U	2.6 U	2.4 U	2.4 U	**2.2**	2.2 U	2.4 U	2.4 U	2.4 U	2.5 U	2.3 U	2.3 U	2.6 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	3.4 U	3.2 U	3.2 U	3.5 U
Toluene	21	3 U	3 U	2.9 U	2.8 U	2.4 U	2.6 U	2.9 U	2.9 U	2.8 U	3 U	**3.8**	**3.3**	**12.1 J**
Xylene, m,p-	3.1	3.4 U	3.5 U	3.3 U	3.2 U	2.8 U	3 U	3.3 U	3.3 U	3.2 U	3.4 U	3.2 U	3.2 U	3.5 U
Xylene, o-	2.5	3.4 U	3.5 U	3.3 U	3.2 U	2.8 U	3 U	3.3 U	3.3 U	3.2 U	3.4 U	3.2 U	3.2 U	3.5 U
Xylene, total	NE	ND	ND	ND	ND	2.8 U	3 U	3.3 U	3.3 U	3.2 U	3.4 U	3.2 U	3.2 U	ND
Other VOCs (ug/m3)														
Acetaldehyde	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	58	**16.9**	**14.3**	7.1 U	7.1 U	**16.9**	**30.9**	**22.1**	**10**	**12.4**	7.6 U	6.9 UJ	**9.7 J**	**14.5 J**
Acrolein (propenal)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Allyl chloride	NE	10 U	10 U	9.4 U	9.4 U	8.1 U	8.8 U	9.4 U	9.4 U	9.4 U	10 U	9.1 U	9.1 U	10 U
Benzothiophene	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	NE	5.3 U	5.4 U	5.1 U	5 U	4.4 U	4.7 U	5.1 U	5.1 U	5 U	5.3 U	4.9 U	4.9 U	5.4 U
Bromoform	NE	8.2 U	8.3 U	7.9 U	7.6 U	6.7 U	7.2 U	7.9 U	7.9 U	7.6 U	8.2 U	7.5 U	7.5 U	8.3 U
Bromomethane	0.9	3.1 U	3.1 U	3 U	2.9 U	2.5 U	2.7 U	3 U	3 U	2.9 U	3.1 U	2.8 U	2.8 U	3.1 U
Butadiene, 1,3-	NE	1.7 U	1.8 U	1.7 U	1.6 U	1.4 U	1.5 U	1.7 U	1.7 U	1.6 U	1.7 U	1.6 U	1.6 U	1.8 U
Butane	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butanone,2-	17	**2.8**	**2.4 J**	2.2 U	2.2 U	1.9 U	**3.2**	**2.7**	2.2 U	2.2 U	2.3 U	2.2 U	2.2 U	2.4 U
Carbon disulfide	NE	2.5 U	**4.7**	2.4 U	2.3 U	2 U	2.2 U	2.4 U	**2.5**	2.3 U	2.5 U	2.3 U	2.3 U	2.5 U
Carbon tetrachloride	1	5 U	5 U	4.8 U	4.7 U	4.1 U	4.4 U	4.8 U	4.8 U	4.7 U	5 U	4.6 U	4.6 U	5 U
Chlorobenzene	<0.25	3.6 U	3.7 U	3.5 U	3.4 U	3 U	3.2 U	3.5 U	3.5 U	3.4 U	3.6 U	3.4 U	3.4 U	3.7 U
Chloroethane	0.4	2.1 U	2.1 U	2 U	2 U	1.7 U	1.8 U	2 U	2 U	2 U	2.1 U	1.9 U	1.9 U	2.1 U
Chloroform	0.5	3.9 U	3.9 U	3.7 U	3.6 U	3.2 U	3.4 U	3.7 U	3.7 U	3.6 U	3.9 U	3.6 U	3.6 U	3.9 U
Chloromethane	4.6	6.6 U	6.6 U	6.2 U	6.2 U	5.4 U	5.8 U	6.2 U	6.2 U	6.2 U	6.6 U	6 U	6 U	6.6 U
Chlorotoluene,2-	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cryofluorane	1.3	5.5 U	5.6 U	5.3 U	5.2 U	4.5 U	4.9 U	5.3 U	5.3 U	5.2 U	5.5 U	5.1 U	5.1 U	5.6 U
Cyclohexane	3	2.7 U	2.8 U	2.6 U	2.5 U	2.2 U	2.4 U	2.6 U	2.6 U	2.5 U	2.7 U	2.5 U	2.5 U	2.8 U
Decane, n-	3.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	NE	6.7 U	6.8 U	6.5 U	6.3 U	5.5 U	6 U	6.5 U	6.5 U	6.3 U	6.7 U	6.2 U	6.2 U	6.8 U
Dibromoethane,1,2-	<0.25	6.1 U	6.1 U	5.8 U	5.7 U	5 U	5.4 U	5.8 U	5.8 U	5.7 U	6.1 U	5.6 U	5.6 U	6.1 U
Dichlorobenzene,1,2-	0.9	4.7 U	4.8 U	4.6 U	4.4 U	3.9 U	4.2 U	4.6 U	4.6 U	4.4 U	4.7 U	4.4 U	4.4 U	4.8 U
Dichlorobenzene,1,3-	0.7	4.7 U	4.8 U	4.6 U	4.4 U	3.9 U	4.2 U	4.6 U	4.6 U	4.4 U	4.7 U	4.4 U	4.4 U	4.8 U
Dichlorobenzene,1,4-	0.8	4.7 U	4.8 U	4.6 U	4.4 U	3.9 U	4.2 U	4.6 U	4.6 U	4.4 U	4.7 U	4.4 U	4.4 U	4.8 U
Dichlorodifluoromethane	11	3.9 U	4 U	3.8 U	3.7 U	3.2 U	3.5 U	3.8 U	3.8 U	3.7 U	3.9 U	3.6 U	3.6 U	4 U
Dichloroethane,1,1-	<0.25	3.2 U	3.2 U	3.1 U	3 U	2.6 U	2.8 U	3.1 U	3.1 U	3 U	3.2 U	3 U	3 U	3.2 U
Dichloroethane,1,2-	<0.25	3.2 U	3.2 U	3.1 U	3 U	2.6 U	2.8 U	3.1 U	3.1 U	3 U	3.2 U	3 U	3 U	3.2 U
Dichloroethene, cis-1,2-	<0.25	3.1 U	3.2 U	3 U	2.9 U	2.6 U	2.8 U	3 U	3 U	2.9 U	3.1 U	2.9 U	2.9 U	3.2 U
Dichloroethene,1,1-	<0.25	3.1 U	3.2 U	3 U	2.9 U	2.6 U	2.8 U	3 U	3 U	2.9 U	3.1 U	2.9 U	2.9 U	3.2 U
Dichloropropane,1,2-	<0.25	3.7 U	3.7 U	3.5 U	3.4 U	3 U	3.2 U	3.5 U	3.5 U	3.4 U	3.7 U	3.4 U	3.4 U	3.7 U
Dichloropropene, cis-1,3	<0.25	3.6 U	3.6 U	3.4 U	3.4 U	3 U	3.2 U	3.4 U	3.4 U	3.4 U	3.6 U	3.3 U	3.3 U	3.6 U
Dichloropropene, trans-1,3	<0.25	3.6 U	3.6 U	3.4 U	3.4 U	3 U	3.2 U	3.4 U	3.4 U	3.4 U	3.6 U	3.3 U	3.3 U	3.6 U

Table 5-2
Ambient Air Analytical Data
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Units No. 2

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2AA01 7/21/2004	Duplicate of OU2AA01 7/21/2004	OU2AA01 10/13/2004	Duplicate of OU2AA01 10/13/2004	OU2AA01 5/5/2005	Duplicate of OU2AA01 5/5/2005	OU2AA01 8/30/2005	Duplicate of OU2AA01 8/30/2005	OU2AA01 2/1/2006	Duplicate of OU2AA01 2/1/2006	OU2AA01 6/14/2006	Duplicate of OU2AA01 6/14/2006	OU2AA01 9/7/2006
Other VOCs Continued (ug/m3)														
Dioxane,1,4-	NE	11.5 U	11.5 U	10.8 U	10.8 U	9.4 U	10.1 U	10.8 U	10.8 U	10.8 U	11.5 U	10.5 U	10.5 U	11.5 U
Dodecane, n-	7.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethanol	220	6 U	**6.8**	5.7 U	5.7 U	4.9 U	**8.7**	5.7 U	5.7 U	5.7 U	**22.6**	5.5 U	5.5 U	**22.6 J**
Ethylthiophene, 2-	NE	NA	NA	NA	NA	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	3.9 U	3.6 U	3.6 U	3.9 U
Heptane, n-	5.1	3.2 U	3.3 U	3.1 U	3 U	2.7 U	2.9 U	3.1 U	3.1 U	3 U	3.2 U	3 U	3 U	3.3 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	34.1 U	30.9 U	30.9 U	34.1 UJ
Hexane, n-	3.6	2.8 U	2.8 U	2.7 U	2.6 U	2.3 U	2.5 U	2.7 U	2.7 U	2.6 U	2.8 U	2.6 U	2.6 U	2.8 U
Hexanone,2-	NE	13.1 U	13.1 U	12.3 U	12.3 U	10.7 U	11.5 U	12.3 U	12.3 U	12.3 U	13.1 U	11.9 U	11.9 U	13.1 U
Indan	NE	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	15.5 U
Indene	NE	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	15.2 U
Isopropyl benzene	0.4	3.9 U	3.9 U	3.7 U	3.6 U	3.2 U	3.4 U	3.7 U	3.7 U	3.6 U	3.9 U	3.6 U	3.6 U	3.9 U
Methyl tert-butyl ether	5.9	2.8 U	2.9 U	2.7 U	2.7 U	2.3 U	2.5 U	2.7 U	2.7 U	2.7 U	2.8 U	2.6 U	2.6 U	2.9 U
Methyl-2-pentanone,4-	2.9	3.2 U	3.3 U	3.1 U	3 U	2.7 U	2.9 U	3.1 U	3.1 U	3 U	3.2 U	3 U	3 U	3.3 U
Methylene chloride	2.9	2.7 UJ	2.8 UJ	2.6 U	2.6 U	2.3 U	2.4 U	2.6 U	2.6 U	2.6 U	2.7 U	2.5 U	2.5 U	2.8 U
Methylnaphthalene,1-	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylnaphthalene,2-	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylthiophene, 2-	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylthiophene, 3-	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	10	16.8 U	16.8 U	15.7 U	15.7 U	13.6 UJ	14.7 UJ	15.7 U	15.7 U	15.7 U	16.8 U	15.2 UJ	15.2 UJ	16.8 U
Nonane	1.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Octane, n-	2.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pentane	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Propanol,2-	NE	7.9 U	7.9 U	7.4 U	7.4 U	6.4 U	6.9 U	7.4 U	7.4 U	7.4 U	7.9 U	7.1 U	7.1 U	**9.6 J**
Propylbenzene, n-	0.5	3.9 U	3.9 U	3.7 U	3.6 U	3.2 U	3.4 U	3.7 U	3.7 U	3.6 U	3.9 U	3.6 U	3.6 U	3.9 U
Styrene	0.6	3.4 U	3.4 U	3.2 U	3.2 U	2.8 U	3 U	3.2 U	3.2 U	3.2 U	3.4 U	3.1 U	3.1 U	3.4 U
t-Butyl alcohol	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethane,1,1,2,2-	<0.25	5.4 U	5.5 U	5.2 U	5.1 U	4.5 U	4.8 U	5.2 U	5.2 U	5.1 U	5.4 U	5 U	5 U	5.5 U
Tetrachloroethene	1.6	5.4 U	5.4 U	5.2 U	5 U	4.4 U	4.7 U	5.2 U	5.2 U	5 U	5.4 U	5 U	5 U	5.4 U
Tetrahydrofuran	0.4	2.3 U	2.4 U	2.2 U	2.2 U	1.9 U	2.1 U	2.2 U	2.2 U	2.2 U	2.3 U	2.2 U	2.2 U	2.4 U
Tetramethylbenzene, 1,2,4,5-	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thiophene	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trans-1,2-dichloroethene	NE	3.1 U	3.2 U	3 U	2.9 U	2.6 U	2.8 U	3 U	3 U	2.9 U	3.1 U	2.9 U	2.9 U	3.2 U
Trichloro-1,2,2-trifluoroethane,	3.6	6.1 U	6.1 U	5.8 U	5.7 U	5 U	5.4 U	5.8 U	5.8 U	5.7 U	6.1 U	5.6 U	5.6 U	6.1 U
Trichlorobenzene,1,2,4-	4.8	23.7 U	23.7 U	22.3 U	22.3 U	19.3 U	20.8 U	22.3 U	22.3 U	22.3 U	23.7 U	21.5 U	21.5 U	23.7 UJ
Trichloroethane,1,1,1-	0.7	4.3 U	4.4 U	4.1 U	4 U	3.5 U	3.8 U	4.1 U	4.1 U	4 U	4.3 U	4 U	4 U	4.4 U
Trichloroethane,1,1,2-	<0.25	4.3 U	4.4 U	4.1 U	4 U	3.5 U	3.8 U	4.1 U	4.1 U	4 U	4.3 U	4 U	4 U	4.4 U
Trichloroethene	0.5	4.2 U	4.3 U	4.1 U	4 U	3.5 U	3.8 U	4.1 U	4.1 U	4 U	4.2 U	3.9 U	3.9 U	4.3 U
Trichlorofluoromethane	6.1	4.4 U	4.5 U	4.3 U	4.2 U	3.7 U	3.9 U	4.3 U	4.3 U	4.2 U	4.4 U	4.1 U	4.1 U	4.5 U
Trimethylbenzene,1,2,3-	0.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trimethylbenzene,1,2,4-	2.5	3.9 U	3.9 U	3.7 U	3.6 U	3.2 U	3.4 U	3.7 U	3.7 U	3.6 U	3.9 U	3.6 U	3.6 U	3.9 UJ
Trimethylbenzene,1,3,5-	1	3.9 U	3.9 U	3.7 U	3.6 U	3.2 U	3.4 U	3.7 U	3.7 U	3.6 U	3.9 U	3.6 U	3.6 U	3.9 U
Trimethylpentane, 2,2,4-	2	3.7 U	3.7 U	3.6 U	3.5 U	3 U	3.3 U	3.6 U	3.6 U	3.5 U	3.7 U	3.4 U	3.4 U	3.7 U
Undecane, n-	2.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl bromide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	<0.25	2 U	2 U	1.9 U	1.9 U	1.7 U	1.8 U	1.9 U	1.9 U	1.9 U	2 U	1.9 U	1.9 U	2 U

Table 5-2
Ambient Air Analytical Data
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Units No. 2

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	Duplicate of OU2AA01 9/7/2006	Field Blank OU2AA01 2/22/2007	OU2AA01 2/22/2007	Duplicate of OU2AA01 2/22/2007	OU2AA01 6/14/2007	OU2AA01 9/19/2007	OU2AA01 12/19/2007	OU2AA01 3/27/2008	OU2AA01 6/23/2008	OU2AA02 5/5/2005	OU2AA02 8/30/2005	OU2AA02 2/1/2006	OU2AA02 6/14/2006
BTEX (ug/m3)														
Benzene	5.8	2.6 U	**5.0**	**4.5 J**	**4.5 J**	**0.43 J**	1.4 U	**3.3**	**2.0**	**1.8**	2.4 U	2.5 U	2.4 U	2.5 U
Ethylbenzene	1.9	3.6 U	**2.5**	**1.7**	**2.0**	0.87 U	**0.69 J**	**1.5**	**0.74 J**	**0.26 J**	3.2 U	3.4 U	3.3 U	3.4 U
Toluene	21	3.1 UJ	**15**	**16 J**	**19 J**	**0.74 J**	**4.0**	**10**	**6.8**	**1.2**	2.8 U	2.9 U	2.9 U	**3.1**
Xylene, m,p-	3.1	3.6 U	**7.6**	**5.4 J**	**6.5 J**	**0.25 J**	**1.8**	**4.6**	**2.7**	**0.48 J**	3.2 U	3.4 U	3.3 U	3.4 U
Xylene, o-	2.5	3.6 U	**2.8**	**1.9**	**2.0**	0.87 U	**0.56 J**	**1.6**	**0.92**	**0.22 J**	3.2 U	3.4 U	3.3 U	3.4 U
Xylene, total	NE	ND	**10.4**	**7.3**	**8.5**	**0.25**	**2.36**	**6.2**	**3.62**	ND	3.2 U	3.4 U	3.3 U	3.4 U
Other VOCs (ug/m3)														
Acetaldehyde	NE	NA	**2.7 J**	2.6 UJ	**2.6 J**	**43 J**	**18**	1.8 U	**7.4 J**	**27**	NA	NA	NA	NA
Acetone	58	7.8 UJ	**14**	**16**	**16**	**19**	**9.3**	**19**	**13 J**	**7.8**	**33.3**	**33.3**	7.1 U	**20**
Acrolein (propenal)	NE	NA	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	**0.23 J**	**0.44 J**	NA	NA	NA	NA
Allyl chloride	NE	10.3 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 UJ	9.4 U	9.7 U	9.4 U	10 U
Benzothiophene	NE	NA	5.5 UJ	5.5 UJ	5.5 UJ	2.7 UJ	14 UJ	1.1 U	1.1 U	1.1 U	NA	NA	NA	NA
Bromodichloromethane	NE	5.5 U	1.3 U	1.3 U	1.3 U	1.3 UJ	1.3 U	1.3 U	1.3 U	1.3 U	5 U	5.2 U	5.1 U	5.3 U
Bromoform	NE	8.5 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	7.6 U	8.1 U	7.9 U	8.2 U
Bromomethane	0.9	3.2 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	2.9 U	3 U	3 U	3.1 U
Butadiene, 1,3-	NE	1.8 U	**0.86**	**0.66**	**0.84**	0.44 U	0.44 U	0.44 U	**0.48**	0.44 U	1.6 U	1.7 U	1.7 U	1.7 U
Butane	NE	NA	**15**	**14 J**	**15 J**	0.48 U	**1.8**	**15**	**5.4**	**0.50**	NA	NA	NA	NA
Butanone,2-	17	2.4 U	**1.7**	**3.0**	**2.7**	**1**	**3.1**	**5.9**	**2.0**	**1.4**	**6.2**	2.3 U	2.2 U	**7.1**
Carbon disulfide	NE	2.6 U	**1.7**	0.62 U	0.62 U	0.62 U	0.62 U	**0.16 J**	0.62 U	**0.40 J**	2.3 U	2.4 U	2.4 U	**14.6**
Carbon tetrachloride	1	5.2 U	1.3 U	**0.44 J**	1.3 U	**0.57 J**	**0.57 J**	**0.44 J**	**0.55 J**	**0.38 J**	4.7 U	4.9 U	4.8 U	5 U
Chlorobenzene	<0.25	3.8 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	3.4 U	3.6 U	3.5 U	3.6 U
Chloroethane	0.4	2.2 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	2 U	2.1 U	2 U	2.1 U
Chloroform	0.5	4 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	3.6 U	3.8 U	3.7 U	3.9 U
Chloromethane	4.6	6.8 U	**1.2 J**	**1.1 J**	**1.1 J**	**1.3**	**0.99**	**1.0**	**1.0**	**1.6**	6.2 U	6.4 U	6.2 U	6.6 U
Chlorotoluene,2-	NE	NA	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	NA	NA	NA	NA
Cryofluorane	1.3	5.7 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	5.2 U	5.5 U	5.3 U	5.5 U
Cyclohexane	3	2.8 U	**1.2**	**1.3**	**1.2**	0.69 U	**0.34 J**	**0.69**	**0.40 J**	0.69 U	2.5 U	2.7 U	2.6 U	2.7 U
Decane, n-	3.6	NA	**0.99 J**	**1.3 J**	**1.3 J**	1.2 U	**0.52 J**	**0.70 J**	**0.54 J**	1.2 U	NA	NA	NA	NA
Dibromochloromethane	NE	7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	6.3 U	6.6 U	6.5 U	6.7 U
Dibromoethane,1,2-	<0.25	6.3 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	5.7 U	6 U	5.8 U	6.1 U
Dichlorobenzene,1,2-	0.9	4.9 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	4.4 U	4.7 U	4.6 U	4.7 U
Dichlorobenzene,1,3-	0.7	4.9 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	4.4 U	4.7 U	4.6 U	4.7 U
Dichlorobenzene,1,4-	0.8	4.9 U	1.2 UJ	**0.60 J**	**0.60 J**	1.2 U	**0.36 J**	**0.60 J**	1.2 U	1.2 U	4.4 U	4.7 U	4.6 U	4.7 U
Dichlorodifluoromethane	11	4.1 U	**2.8**	**3.1**	**3.1**	**2.9**	**2.5**	**2.7**	**2.1**	**2.5**	3.7 U	3.9 U	3.8 U	3.9 U
Dichloroethane,1,1-	<0.25	3.3 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	3 U	3.2 U	3.1 U	3.2 U
Dichloroethane,1,2-	<0.25	3.3 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	3 U	3.2 U	3.1 U	3.2 U
Dichloroethene, cis-1,2-	<0.25	3.3 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	2.9 U	3.1 U	3 U	3.1 U
Dichloroethene,1,1-	<0.25	3.3 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	2.9 U	3.1 U	3 U	3.1 U
Dichloropropane,1,2-	<0.25	3.8 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	3.4 U	3.6 U	3.5 U	3.7 U
Dichloropropene, cis-1,3	<0.25	3.7 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	3.4 U	3.5 U	3.4 U	3.6 U
Dichloropropene, trans-1,3	<0.25	3.7 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	3.4 U	3.5 U	3.4 U	3.6 U

Table 5-2
Ambient Air Analytical Data
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Units No. 2

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	Duplicate of OU2AA01 9/7/2006	Field Blank OU2AA01 2/22/2007	OU2AA01 2/22/2007	Duplicate of OU2AA01 2/22/2007	OU2AA01 6/14/2007	OU2AA01 9/19/2007	OU2AA01 12/19/2007	OU2AA01 3/27/2008	OU2AA01 6/23/2008	OU2AA02 5/5/2005	OU2AA02 8/30/2005	OU2AA02 2/1/2006	OU2AA02 6/14/2006
Other VOCs Continued (ug/m3)														
Dioxane,1,4-	NE	11.9 U	1.8 U	1.8 U	1.8 U	1.8 U	0.72 U	1.8 U	0.72 U	0.72 U	10.8 U	11.2 U	10.8 U	11.5 U
Dodecane, n-	7.6	NA	**0.42 J**	1.4 U	**0.56 J**	1.4 U	1.4 U	1.4 U	1.4 U	**0.49 J**	NA	NA	NA	NA
Ethanol	220	**6.8 J**	**30**	26 U	**25 J**	**10**	**15**	**24**	**20**	**6.3**	**8.9**	5.8 U	5.7 U	6 U
Ethylthiophene, 2-	NE	NA	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	NA	NA	NA	NA
Ethyltoluene, p-	NE	4 U	**0.59 J**	**0.49 J**	**0.49 J**	0.98 U	0.98 U	**0.44 J**	**0.29 J**	0.98 U	3.6 U	3.8 U	3.7 U	3.9 U
Heptane, n-	5.1	3.4 U	**2.6**	**2.3 J**	**2.3**	0.82 U	**0.70 J**	**1.2**	**1.1**	0.82 UJ	3 U	3.2 U	3.1 U	3.2 U
Hexachlorobutadiene	7	35.2 UJ	2.1 UJ	2.1 UJ	2.1 UJ	2.1 UJ	2.1 U	2.1 U	2.1 U	2.1 U	32 U	33.1 U	32 U	34.1 U
Hexane, n-	3.6	2.9 U	**5.9**	**5.7 J**	**5.6 J**	**0.21 J**	**1.4**	**2.8**	**1.8**	**0.25 J**	2.6 U	2.7 U	2.7 U	2.8 U
Hexanone,2-	NE	13.5 U	2.0 U	2.0 U	2.0 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	12.3 U	12.7 U	12.3 U	13.1 U
Indan	NE	16 U	**0.58 J**	0.97 U	**0.48 J**	0.97 U	0.97 UJ	**0.29 J**	0.97 U	0.97 U	NA	NA	NA	NA
Indene	NE	15.7 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	NA	NA	NA	NA
Isopropyl benzene	0.4	4 U	NA	NA	NA	NA	NA	NA	NA	NA	3.6 U	3.8 U	3.7 U	3.9 U
Methyl tert-butyl ether	5.9	3 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	2.7 U	2.8 U	2.7 U	2.8 U
Methyl-2-pentanone,4-	2.9	3.4 U	**0.65 J**	0.82 U	**0.45 J**	**1.2**	0.82 U	0.82 U	0.82 U	0.82 U	3 U	3.2 U	3.1 U	3.2 U
Methylene chloride	2.9	2.8 U	**5.9 J**	**8.0**	**7.2 J**	**2.4**	1.5 U	**1.9**	**1.5 J**	1.9 U	2.6 U	2.7 U	2.6 U	2.7 U
Methylnaphthalene,1-	NE	NA	14 U	14 U	14 U	29 U	5.8 UJ	14 UJ	1.2 U	2.9 UJ	NA	NA	NA	NA
Methylnaphthalene,2-	NE	NA	14 U	14 U	14 U	5.8 U	14 U	14 U	1.2 U	2.9 UJ	NA	NA	NA	NA
Methylthiophene, 2-	NE	NA	0.80 U	0.80 U	0.80 U	0.8 U	0.80 U	0.80 U	0.80 U	0.80 U	NA	NA	NA	NA
Methylthiophene, 3-	NE	NA	0.80 U	0.80 U	0.80 U	0.8 U	0.80 U	0.80 U	0.80 U	0.80 U	NA	NA	NA	NA
Naphthalene	10	17.3 U	2.6 U	**0.26 J**	**0.37 J**	5.2 UJ	1.0 UJ	**0.52 J**	1.0 U	1.0 U	15.7 UJ	16.3 U	15.7 U	16.8 UJ
Nonane	1.2	NA	**1.1**	**1.5**	**1.6**	1 U	1.0 U	**0.63 J**	**0.59 J**	1.0 U	NA	NA	NA	NA
Octane, n-	2.1	NA	**0.93**	**0.89 J**	**1.2**	0.93 U	**0.28 J**	**0.65 J**	0.93 U	0.93 U	NA	NA	NA	NA
Pentane	NE	NA	**7.3**	**6.2 J**	**6.5 J**	**0.98**	**1.6**	**5.7**	**3.1**	**0.56 J**	NA	NA	NA	NA
Propanol,2-	NE	8.1 UJ	**4.0**	**5.2 J**	**4.8 J**	**9.1**	**1.7**	**3.4 J**	**2.5**	1.2 UJ	7.4 U	7.6 U	7.4 U	7.9 U
Propylbenzene, n-	0.5	4 U	NA	NA	NA	NA	NA	NA	NA	NA	3.6 U	3.8 U	3.7 U	3.9 U
Styrene	0.6	3.5 U	**0.38 J**	**0.25 J**	**0.43 J**	0.85 U	0.85 U	**0.38 J**	0.85 U	0.85 U	3.2 U	3.3 U	3.2 U	3.4 U
t-Butyl alcohol	NE	NA	0.61 U	0.61 U	0.61 U	0.61 U	**0.18 J**	0.61 U	0.61 U	0.61 U	NA	NA	NA	NA
Tetrachloroethane,1,1,2,2-	<0.25	5.6 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	5.1 U	5.4 U	5.2 U	5.4 U
Tetrachloroethene	1.6	5.6 U	**1.2 J**	**2.4**	**3.3**	1.4 U	**0.68 J**	**2.2**	**0.96 J**	1.4 U	5 U	5.3 U	5.2 U	5.4 U
Tetrahydrofuran	0.4	2.4 U	NA	NA	NA	NA	NA	NA	NA	NA	2.2 U	2.3 U	2.2 U	2.3 U
Tetramethylbenzene, 1,2,4,5-	NE	NA	1.1 U	1.1 U	1.1 U	1.1 U	14 U	1.1 U	1.1 U	1.1 U	NA	NA	NA	NA
Thiophene	NE	NA	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	NA	NA	NA	NA
Trans-1,2-dichloroethene	NE	3.3 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	2.9 U	3.1 U	3 U	3.1 U
Trichloro-1,2,2-trifluoroethane,	3.6	6.3 U	**0.54 J**	**0.69 J**	**0.54 J**	**0.59 J**	**0.69 J**	**0.61 J**	1.5 U	**0.46 J**	5.7 U	6 U	5.8 U	6.1 U
Trichlorobenzene,1,2,4-	4.8	24.5 UJ	1.5 UJ	1.5 UJ	1.5 UJ	3.7 U	1.5 U	1.5 U	1.5 U	1.5 U	22.3 U	23 U	22.3 U	23.7 U
Trichloroethane,1,1,1-	0.7	4.5 U	1.1 U	1.1 U	1.1 U	1.1 UJ	1.1 U	1.1 U	1.1 U	1.1 U	4 U	4.3 U	4.1 U	4.3 U
Trichloroethane,1,1,2-	<0.25	4.5 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	4 U	4.3 U	4.1 U	4.3 U
Trichloroethene	0.5	4.4 U	**1.1**	**3.0 J**	**3.1**	1.1 U	**0.43 J**	**3.5**	**0.97 J**	1.1 U	4 U	4.2 U	4.1 U	4.2 U
Trichlorofluoromethane	6.1	4.6 U	**1.8**	**2.1**	**2.1**	**1.9 J**	**1.5**	**1.4**	**1.3**	**1.2**	4.2 U	4.4 U	4.3 U	4.4 U
Trimethylbenzene,1,2,3-	0.6	NA	**1.2**	**1.0**	**1.2**	0.98 U	**0.64 J**	**0.49 J**	**0.26 J**	0.98 U	NA	NA	NA	NA
Trimethylbenzene,1,2,4-	2.5	4 UJ	**3.0**	**1.9**	**2.5**	0.98 U	0.98 U	0.98 U	**0.91 J**	0.98 U	3.6 U	3.8 U	3.7 U	3.9 U
Trimethylbenzene,1,3,5-	1	4 U	**0.98**	**0.59 J**	**0.79 J**	0.98 U	0.98 U	**0.49 J**	**0.29 J**	0.98 U	3.6 U	3.8 U	3.7 U	3.9 U
Trimethylpentane, 2,2,4-	2	3.8 U	**4.9 J**	**4.5 J**	**4.8 J**	**0.23 J**	**1.4 J**	**1.3**	**1.0**	0.93 U	3.5 U	3.6 U	3.6 U	3.7 U
Undecane, n-	2.3	NA	**0.57 J**	1.3 U	**1.1 J**	6.4 UJ	**0.45 J**	**0.89 J**	**0.46 J**	**0.45 J**	NA	NA	NA	NA
Vinyl bromide	NE	NA	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	NA	NA	NA	NA
Vinyl chloride	<0.25	2.1 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	1.9 U	2 U	1.9 U	2 U

Table 5-2
Ambient Air Analytical Data
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Units No. 2

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2AA02 9/7/2006	OU2AA02 2/22/2007	OU2AA02 5/24/2007	OU2AA02 9/18/2007	OU2AA02 12/18/2007	OU2AA02 3/26/2008	OU2AA02 6/23/2008	OU2AA03 5/25/2005	OU2AA03 8/31/2005	OU2AA03 2/2/2006	OU2AA03 6/15/2006	OU2AA03 9/8/2006	OU2AA03 2/21/2007
BTEX (ug/m3)														
Benzene	5.8	2.4 U	**5.6 J**	**0.73**	0.64 U	**1.2**	**0.64 J**	**0.96**	2.2 U	2.4 U	2.3 U	2.4 U	2.5 U	0.64 U
Ethylbenzene	1.9	3.2 U	**2.8 J**	0.87 U	0.87 U	**0.65 J**	**0.24 J**	0.87 U	3 U	3.2 U	3.1 U	3.3 U	3.4 U	0.87 U
Toluene	21	2.8 U	**19 J**	**4.5**	**0.90**	**11**	**0.88**	**1.0**	2.6 U	2.8 U	**3.2**	**4.1**	**7.2**	1.2 U
Xylene, m,p-	3.1	3.2 U	**8.2 J**	**0.59 J**	**0.22 J**	**1.6 J**	**0.57 J**	**0.56 J**	3 U	3.2 U	3.1 U	3.3 U	3.4 U	1.7 U
Xylene, o-	2.5	3.2 U	2.7 U	0.87 U	0.87 U	**0.52 J**	0.87 U	0.87 U	3 U	3.2 U	3.1 U	3.3 U	3.4 U	0.87 U
Xylene, total	NE	ND	**8.2**	**0.59**	**0.22**	**2.12**	**0.57**	**0.56**	ND	ND	ND	ND	ND	ND
Other VOCs (ug/m3)														
Acetaldehyde	NE	NA	2.6 UJ	17 UJ	**5.4**	1.8 U	**3.8 J**	**39**	NA	NA	NA	NA	NA	0.41 UJ
Acetone	58	**18.1**	14 U	**30 J**	**22**	**14**	**10 J**	**11**	**19.2**	**7.4**	**10.5**	**13.8**	**18.1**	6.2 U
Acrolein (propenal)	NE	NA	0.46 U	**0.28 J**	0.46 U	**1.2**	1.2 U	**0.48**	NA	NA	NA	NA	NA	0.46 U
Allyl chloride	NE	9.4 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 UJ	8.8 U	9.4 U	9.1 U	9.4 U	9.7 U	0.63 U
Benzothiophene	NE	NA	5.5 UJ	2.7 U	14 U	1.1 U	1.1 UJ	1.1 U	NA	NA	NA	NA	NA	5.5 UJ
Bromodichloromethane	NE	5 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	4.7 U	5 U	4.8 U	5.1 U	5.2 U	1.3 U
Bromoform	NE	7.6 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	7.2 U	7.6 U	7.4 U	7.9 U	8.1 U	2.1 U
Bromomethane	0.9	2.9 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	2.7 U	2.9 U	2.8 U	3 U	3 U	0.78 U
Butadiene, 1,3-	NE	1.6 U	0.77 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	1.5 U	1.6 U	1.6 U	1.7 U	1.7 U	0.44 U
Butane	NE	NA	**15 J**	**1.2**	0.48 U	**4.2**	**2.5**	**0.36 J**	NA	NA	NA	NA	NA	2.0 U
Butanone,2-	17	**5**	**2.1 J**	**1.5**	**0.50 J**	**2.1**	**0.88 J**	**1.2**	**2.8**	2.2 U	**3.5 J**	**4.4**	**3.8**	1.5 U
Carbon disulfide	NE	**2.8**	0.62 U	0.62 U	0.62 U	**0.25 J**	0.62 U	**0.59 J**	2.2 U	**2.6**	**6.2**	2.4 U	**2.8**	0.62 U
Carbon tetrachloride	1	4.7 U	1.3 U	1.3 UJ	**0.50 J**	**0.57 J**	**0.52 J**	1.3 U	4.4 U	4.7 U	4.5 U	4.8 U	4.9 U	**0.50 J**
Chlorobenzene	<0.25	3.4 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	3.2 U	3.4 U	3.3 U	3.5 U	3.6 U	0.92 U
Chloroethane	0.4	2 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	1.8 U	2 U	1.9 U	2 U	2.1 U	0.53 U
Chloroform	0.5	3.6 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	3.4 U	3.6 U	3.5 U	3.7 U	3.8 U	0.98 U
Chloromethane	4.6	6.2 U	1.0 U	**1.2**	**1.0**	**1.1**	**1.0**	**1.3**	5.8 U	6.2 U	6 U	6.2 U	6.4 U	0.95 U
Chlorotoluene,2-	NE	NA	1.0 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	NA	NA	NA	NA	NA	1.0 U
Cryofluorane	1.3	5.2 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	4.9 U	5.2 U	5 U	5.3 U	5.5 U	1.4 U
Cyclohexane	3	2.5 U	**1.3 J**	0.69 U	0.69 U	**0.58 J**	0.69 U	0.69 U	2.4 U	2.5 U	2.5 U	2.6 U	2.7 U	0.69 U
Decane, n-	3.6	NA	1.2 U	1.2 U	1.2 U	**19**	1.2 UJ	1.2 U	NA	NA	NA	NA	NA	1.2 U
Dibromochloromethane	NE	6.3 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	6 U	6.3 U	6.1 U	6.5 U	6.6 U	1.7 U
Dibromoethane,1,2-	<0.25	5.7 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	5.4 U	5.7 U	5.5 U	5.8 U	6 U	1.5 U
Dichlorobenzene,1,2-	0.9	4.4 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	4.2 U	4.4 U	4.3 U	4.6 U	4.7 U	1.2 U
Dichlorobenzene,1,3-	0.7	4.4 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	4.2 U	4.4 U	4.3 U	4.6 U	4.7 U	1.2 U
Dichlorobenzene,1,4-	0.8	4.4 U	**0.60 J**	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	4.2 U	4.4 U	4.3 U	4.6 U	4.7 U	1.2 UJ
Dichlorodifluoromethane	11	3.7 U	2.7 U	**2.6**	**2.6**	**2.5**	**2.0**	**2.4**	3.5 U	3.7 U	3.6 U	3.8 U	3.9 U	2.3 U
Dichloroethane,1,1-	<0.25	3 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	2.8 U	3 U	2.9 U	3.1 U	3.2 U	0.81 U
Dichloroethane,1,2-	<0.25	3 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	2.8 U	3 U	2.9 U	3.1 U	3.2 U	0.81 U
Dichloroethene, cis-1,2-	<0.25	2.9 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	2.8 U	2.9 U	2.9 U	3 U	3.1 U	0.79 U
Dichloroethene,1,1-	<0.25	2.9 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	2.8 U	2.9 U	2.9 U	3 U	3.1 U	0.79 U
Dichloropropane,1,2-	<0.25	3.4 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	3.2 U	3.4 U	3.3 U	3.5 U	3.6 U	0.92 U
Dichloropropene, cis-1,3	<0.25	3.4 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	3.2 U	3.4 U	3.3 U	3.4 U	3.5 U	0.91 U
Dichloropropene, trans-1,3	<0.25	3.4 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	3.2 U	3.4 U	3.3 U	3.4 U	3.5 U	0.91 U

Table 5-2
Ambient Air Analytical Data
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Units No. 2

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2AA02 9/7/2006	OU2AA02 2/22/2007	OU2AA02 5/24/2007	OU2AA02 9/18/2007	OU2AA02 12/18/2007	OU2AA02 3/26/2008	OU2AA02 6/23/2008	OU2AA03 5/25/2005	OU2AA03 8/31/2005	OU2AA03 2/2/2006	OU2AA03 6/15/2006	OU2AA03 9/8/2006	OU2AA03 2/21/2007
Other VOCs Continued (ug/m3)														
Dioxane,1,4-	NE	10.8 U	1.8 U	0.72 U	0.72 UJ	1.8 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
Dodecane, n-	7.6	NA	1.4 U	1.4 U	1.4 U	**51**	1.4 U	**0.56 J**	NA	NA	NA	NA	NA	1.4 U
Ethanol	220	**7.2**	20 U	**1 J**	**1.9**	**17**	**4.1 J**	**5.0**	5.3 U	5.7 U	5.5 U	5.7 U	**30.1**	3.5 U
Ethylthiophene, 2-	NE	NA	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	NA	NA	NA	NA	NA	0.92 U
Ethyltoluene, p-	NE	3.6 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	3.4 U	3.6 U	3.5 U	3.7 U	3.8 U	0.98 U
Heptane, n-	5.1	3 U	**3.0 J**	0.82 U	0.82 U	**1.1**	**0.32 J**	0.82 UJ	2.9 U	3 U	3 U	3.1 U	3.2 U	0.82 U
Hexachlorobutadiene	7	32 UJ	2.1 UJ	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	29.9 U	32 U	30.9 U	32 U	33.1 U	2.1 UJ
Hexane, n-	3.6	2.6 U	**6.2 J**	**0.43 J**	0.70 U	**0.95**	**0.43 J**	**0.21 J**	2.5 U	2.6 U	2.5 U	2.7 U	2.7 U	0.70 U
Hexanone,2-	NE	12.3 U	2.0 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	11.5 U	12.3 U	11.9 U	12.3 U	12.7 U	2.0 U
Indan	NE	14.5 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	NA	NA	NA	NA	15 U	0.97 U
Indene	NE	14.3 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	NA	NA	NA	NA	14.7 U	0.95 U
Isopropyl benzene	0.4	3.6 U	NA	NA	NA	NA	NA	NA	3.4 U	3.6 U	3.5 U	3.7 U	3.8 U	NA
Methyl tert-butyl ether	5.9	2.7 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	2.5 U	2.7 U	2.6 U	2.7 U	2.8 U	0.72 U
Methyl-2-pentanone,4-	2.9	3 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	2.9 U	3 U	2.9 U	3.1 U	3.2 U	0.82 U
Methylene chloride	2.9	2.6 U	3.8 U	**0.57 J**	2.5 U	1.2 U	1.7 U	1.7 U	2.4 U	2.6 U	2.5 U	2.6 U	**3**	5.6 U
Methylnaphthalene,1-	NE	NA	14 U	14 U	5.8 U	14 UJ	1.2 U	2.9 UJ	NA	NA	NA	NA	NA	14 U
Methylnaphthalene,2-	NE	NA	14 U	5.8 U	14 U	14 U	1.2 U	2.9 UJ	NA	NA	NA	NA	NA	14 U
Methylthiophene, 2-	NE	NA	0.80 U	0.8 U	0.80 U	0.80 U	0.80 U	0.80 U	NA	NA	NA	NA	NA	0.80 U
Methylthiophene, 3-	NE	NA	0.80 U	0.8 U	0.80 U	0.80 U	0.80 U	0.80 U	NA	NA	NA	NA	NA	0.80 U
Naphthalene	10	15.7 U	**0.31 J**	1 U	1.0 U	1.0 U	1.0 U	1.0 U	14.7 U	15.7 U	15.2 U	15.7 UJ	16.3 U	2.6 U
Nonane	1.2	NA	**1.2 J**	1 U	1.0 U	**0.47 J**	1.0 U	1.0 U	NA	NA	NA	NA	NA	1.0 U
Octane, n-	2.1	NA	**1.2 J**	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	NA	NA	NA	NA	NA	0.93 U
Pentane	NE	NA	**7.2 J**	**0.62**	**0.21 J**	**6.2**	**0.94 J**	**0.44 J**	NA	NA	NA	NA	NA	0.59 U
Propanol,2-	NE	7.4 U	**3.8 J**	**0.62 J**	**5.6**	**4.2 J**	1.2 U	1.2 UJ	6.9 U	7.4 U	7.1 U	7.4 U	7.6 U	0.49 U
Propylbenzene, n-	0.5	3.6 U	NA	NA	NA	NA	NA	NA	3.4 U	3.6 U	3.5 U	3.7 U	3.8 U	NA
Styrene	0.6	3.2 U	0.85 U	0.85 U	0.85 U	**0.38 J**	0.85 U	0.85 U	3 U	3.2 U	3.1 U	3.2 U	3.3 U	0.85 U
t-Butyl alcohol	NE	NA	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	NA	NA	NA	NA	NA	0.61 U
Tetrachloroethane,1,1,2,2-	<0.25	5.1 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	4.8 U	5.1 U	4.9 U	5.2 U	5.4 U	1.4 U
Tetrachloroethene	1.6	5 U	**1.5 J**	1.4 U	1.4 U	**0.41 J**	1.4 U	1.4 U	4.7 U	5 U	4.9 U	5.2 U	5.3 U	1.4 U
Tetrahydrofuran	0.4	2.2 U	NA	NA	NA	NA	NA	NA	2.1 U	2.2 U	**2.1 J**	2.2 U	2.3 U	NA
Tetramethylbenzene, 1,2,4,5-	NE	NA	1.1 U	5.5 U	14 U	1.1 U	1.1 U	1.1 U	NA	NA	NA	NA	NA	1.1 U
Thiophene	NE	NA	0.69 U	0.69 U	0.69 UJ	0.69 U	0.69 U	0.69 U	NA	NA	NA	NA	NA	0.69 U
Trans-1,2-dichloroethene	NE	2.9 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	2.8 U	2.9 U	2.9 U	3 U	3.1 U	0.79 U
Trichloro-1,2,2-trifluoroethane,	3.6	5.7 U	1.5 U	1.5 U	**0.69 J**	**0.54 J**	**0.53 J**	**0.46 J**	5.4 U	5.7 U	5.5 U	5.8 U	6 U	1.5 U
Trichlorobenzene,1,2,4-	4.8	22.3 UJ	1.5 UJ	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	20.8 U	22.3 U	21.5 U	22.3 U	23 U	1.5 UJ
Trichloroethane,1,1,1-	0.7	4 U	1.1 U	1.1 UJ	1.1 U	1.1 U	1.1 U	1.1 U	3.8 U	4 U	3.9 U	4.1 U	4.3 U	1.1 U
Trichloroethane,1,1,2-	<0.25	4 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	3.8 U	4 U	3.9 U	4.1 U	4.3 U	1.1 U
Trichloroethene	0.5	4 U	**1.2 J**	1.1 U	1.1 U	**0.59 J**	1.1 U	1.1 U	3.8 U	4 U	3.9 U	4.1 U	4.2 U	1.1 U
Trichlorofluoromethane	6.1	4.2 U	**1.8 J**	**1.4**	**1.5**	**1.2**	**1.0 J**	**1.2**	3.9 U	4.2 U	4 U	4.3 U	4.4 U	1.4 U
Trimethylbenzene,1,2,3-	0.6	NA	**1.2 J**	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	NA	NA	NA	NA	NA	0.98 U
Trimethylbenzene,1,2,4-	2.5	3.6 UJ	2.8 U	0.98 U	0.98 U	**0.59 J**	0.98 U	0.98 U	3.4 U	3.6 U	**3.6**	3.7 U	3.8 U	0.98 U
Trimethylbenzene,1,3,5-	1	3.6 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	3.4 U	3.6 U	3.5 UJ	3.7 U	3.8 U	0.98 U
Trimethylpentane, 2,2,4-	2	3.5 U	**5.2 J**	**1.2**	0.93 U	**0.70 J**	0.93 U	0.93 U	3.3 U	3.5 U	3.4 U	3.6 U	3.6 U	0.93 U
Undecane, n-	2.3	NA	1.3 U	1.3 U	1.3 U	**67**	1.3 U	1.3 U	NA	NA	NA	NA	NA	1.3 U
Vinyl bromide	NE	NA	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	NA	NA	NA	NA	NA	0.87 U
Vinyl chloride	<0.25	1.9 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	1.8 U	1.9 U	1.8 U	1.9 U	2 U	0.51 U

Table 5-2
Ambient Air Analytical Data
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Units No. 2

Sample Name: **Sample Date:**	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2AA03 6/14/2007	OU2AA03 9/12/2007	OU2AA03 12/19/2007	OU2AA03 3/27/2008	OU2AA03 6/18/2008	OU2AA04 2/21/2007	OU2AA04 9/18/2007	OU2AA04 12/19/2007	OU2AA04 3/27/2008	OU2AA04 6/19/2008
BTEX (ug/m3)											
Benzene	5.8	**0.28 J**	0.80 U	**3.0**	**2.1**	0.64 UJ	0.70 U	0.64 U	**1.5**	**2.0**	**0.77 J**
Ethylbenzene	1.9	0.87 U	**0.35 J**	**1.8**	**0.82 J**	0.87 U	0.87 U	0.87 U	**0.39 J**	**0.65 J**	**0.30 J**
Toluene	21	**0.44 J**	**2.2**	**8.9**	**6.7**	0.75 U	1.1 U	**0.68 J**	**2.6**	**4.7**	**1.9**
Xylene, m,p-	3.1	**0.3 J**	**0.87 J**	**5.7**	**2.1**	1.7 U	1.7 U	**0.22 J**	**1.0 J**	**2.0**	**0.65 J**
Xylene, o-	2.5	0.87 U	**0.35 J**	**2.0**	**0.89**	0.87 U	0.87 U	0.87 U	**0.39 J**	**0.65 J**	**0.22 J**
Xylene, total	NE	**0.3**	**1.22**	**7.7**	**2.99**	ND	ND	**0.22**	**1.39**	**2.65**	**0.87**
Other VOCs (ug/m3)											
Acetaldehyde	NE	**16 J**	**6.5**	1.8 U	**12 J**	**0.86 J**	0.58 UJ	**15**	1.8 U	**13 J**	**43**
Acetone	58	**25**	**12**	**13**	**14 J**	1.2 U	6.4 U	**9.4**	**8.0**	**10 J**	**11**
Acrolein (propenal)	NE	0.46 U	0.46 U	0.46 U	**0.49 J**	0.46 U	0.46 U	0.46 U	0.46 U	**0.30 J**	**0.37 J**
Allyl chloride	NE	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
Benzothiophene	NE	2.7 UJ	14 U	1.1 U	1.1 U	1.1 U	5.5 UJ	14 U	1.1 U	1.1 U	1.1 UJ
Bromodichloromethane	NE	1.3 UJ	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	NE	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
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	**0.15 J**	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Butane	NE	0.48 U	**0.59**	**8.4**	**4.8**	0.48 U	2.8 U	**0.57**	**3.1**	**4.1**	**1.0**
Butanone,2-	17	0.59 U	**0.71**	**1.0**	**1.7**	0.59 U	1.5 U	**2.2**	**0.71**	**1.3 J**	**1.8**
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	**0.75 J**	**0.57 J**	**0.50 J**	**0.61 J**	1.3 U	**0.44 J**	**0.63 J**	**0.50 J**	**0.55 J**	**0.50 J**
Chlorobenzene	<0.25	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
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**	**1.1**	**1.0**	0.41 U	1.0 U	**1.0**	**0.99**	**1.1**	**1.0**
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	**0.86**	**0.89**	0.69 U	0.69 U	0.69 U	**0.31 J**	**0.40 J**	0.69 U
Decane, n-	3.6	1.2 U	1.2 U	**0.70 J**	**0.49 J**	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dibromochloromethane	NE	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
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 UJ	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorodifluoromethane	11	**3.1**	**2.4**	**2.6**	**2.6**	0.99 U	2.5 U	**2.6**	**2.2**	**2.0**	**2.4**
Dichloroethane,1,1-	<0.25	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 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, 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
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
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

Table 5-2
Ambient Air Analytical Data
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Units No. 2

Sample Name: / Sample Date:	NYSDOH Background Outdoor Air 95th Percentile[1]	OU2AA03 6/14/2007	OU2AA03 9/12/2007	OU2AA03 12/19/2007	OU2AA03 3/27/2008	OU2AA03 6/18/2008	OU2AA04 2/21/2007	OU2AA04 9/18/2007	OU2AA04 12/19/2007	OU2AA04 3/27/2008	OU2AA04 6/19/2008
Other VOCs Continued (ug/m3)											
Dioxane,1,4-	NE	1.8 U	0.72 UJ	1.8 U	0.72 U	0.72 U	1.8 U	0.72 UJ	1.8 U	0.72 U	0.72 U
Dodecane, n-	7.6	1.4 U	1.4 U	1.4 U	**0.66 J**	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	**0.35 J**
Ethanol	220	**3.4 J**	**5.2**	**19**	**21**	1.9 U	3.9 U	**9.2**	5.5 U	**12**	**8.0**
Ethylthiophene, 2-	NE	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Ethyltoluene, p-	NE	0.98 U	0.98 U	**0.59 J**	**0.26 J**	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Heptane, n-	5.1	0.82 U	**0.45 J**	**1.9**	**1.0**	0.82 U	0.82 U	0.82 U	**0.57 J**	**1.2**	**0.25 J**
Hexachlorobutadiene	7	2.1 UJ	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
Hexane, n-	3.6	**0.18 J**	**0.74**	**3.2**	**1.8**	0.70 U	0.70 U	**1.2**	**1.2**	**1.5**	**0.56 J**
Hexanone,2-	NE	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	2.0 U	0.82 U	0.82 U	0.82 U	0.82 U
Indan	NE	0.97 U	0.97 U	**0.34 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	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 UJ
Methyl-2-pentanone,4-	2.9	0.82 U	0.82 U	0.82 U	**0.28 J**	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Methylene chloride	2.9	**1.5**	1.0 U	0.69 U	**1.8**	1.7 U	6.1 U	2.5 U	0.69 U	**0.85 J**	1.1 U
Methylnaphthalene,1-	NE	29 U	5.8 U	14 UJ	1.2 U	2.9 U	14 U	5.8 U	14 UJ	1.2 U	2.9 UJ
Methylnaphthalene,2-	NE	5.8 U	14 U	14 U	1.2 U	2.9 UJ	14 U	14 U	14 U	1.2 U	2.9 UJ
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	5.2 UJ	1.0 U	**0.37 J**	1.0 U	1.0 U	2.6 U	1.0 U	1.0 U	1.0 U	1.0 U
Nonane	1.2	1 U	1.0 U	**0.68 J**	**0.39 J**	1.0 U	1.0 U	1.0 U	1.0 U	**0.29 J**	1.0 U
Octane, n-	2.1	0.93 U	0.93 U	**0.65 J**	**0.35 J**	0.93 U	0.93 U	0.93 U	0.93 U	**0.31 J**	0.93 U
Pentane	NE	0.59 U	**0.74**	**6.5**	**2.8**	0.59 U	0.77 U	0.59 U	**2.3**	**2.3**	**0.88**
Propanol,2-	NE	0.49 U	**3.8**	**1.1 J**	**3.0**	1.2 UJ	0.49 U	**0.56**	0.49 U	**1.9**	**0.84 J**
Propylbenzene, n-	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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	**0.31 J**	0.61 U	0.61 U	**0.18 J**	0.61 U	**0.32 J**	0.61 U
Tetrachloroethane,1,1,2,2-	<0.25	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Tetrachloroethene	1.6	1.4 U	1.4 U	**0.41 J**	**1.4**	1.4 U	1.4 U	1.4 U	1.4 U	**0.51 J**	1.4 U
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	1.1 U	14 U	**0.44 J**	1.1 U	1.1 U	1.1 U	14 U	1.1 U	1.1 U	1.1 U
Thiophene	NE	0.69 U	0.69 UJ	0.69 U	0.69 U	0.69 U	0.69 U	0.69 UJ	0.69 U	0.69 U	0.69 U
Trans-1,2-dichloroethene	NE	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane,	3.6	1.5 U	**0.61 J**	**0.54 J**	1.5 U	1.5 U	1.5 U	**0.69 J**	**0.69 J**	**0.47 J**	**0.46 J**
Trichlorobenzene,1,2,4-	4.8	3.7 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 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	1.1 U	**1.3**	1.1 U	1.1 U	**0.27 J**	1.1 U	**0.87 J**	1.1 U
Trichlorofluoromethane	6.1	**1.5 J**	**1.4**	**1.3**	**1.2**	1.1 U	1.5 U	**1.4**	**1.2**	**1.2**	**1.3**
Trimethylbenzene,1,2,3-	0.6	0.98 U	**0.29 J**	**0.64 J**	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	**2.1**	**0.66 J**	0.98 U	0.98 U	0.98 U	0.98 U	**0.60 J**	0.98 U
Trimethylbenzene,1,3,5-	1	0.98 U	0.98 U	**0.59 J**	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	**0.56 J**	**2.0**	**0.81 J**	0.93 U	0.93 U	0.93 U	**0.37 J**	**0.94**	**0.47 J**
Undecane, n-	2.3	6.4 UJ	1.3 U	**0.38 J**	**0.62 J**	1.3 U	1.3 U	1.3 U	1.3 U	**0.33 J**	1.3 U
Vinyl bromide	NE	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
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
Ambient Air Analytical Data
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and

Notes:

[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.

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

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

Bolding indicates a detected result value
Shading and bolding indicates that the detected result value exceeds NYSDOH 95th percentile
ug/m3 - micrograms per cubic meter
BTEX - benzene, toluene, ethylbenzene, and xylene
VOCs - volatile organic compounds

Table 6-1
Water Level Measurements and Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 4 (OU-4)

Well ID	Date of Measurement	Time of Measurement	Well Casing Diameter (inches)	Well Elevation (feet above MSL)[1]	Depth to Water (feet)	Water Elevation (feet above MSL)	Comments
WCMW-01S	5/2/2008	10:03	1.00	18.18	3.39	14.79	
WCMW-01I	5/2/2008	10:04	1.00	17.99	3.11	14.88	
WCMW-01D	5/2/2008	10:05	1.00	17.69	2.82	14.87	
WCMW-02S	5/2/2008	11:12	1.00	15.34	1.80	13.54	
WCMW-02I	5/2/2008	11:13	1.00	15.23	1.61	13.62	
WCMW-02D	5/2/2008	11:14	1.00	15.15	1.50	13.65	
WCMW-03S	5/2/2008	8:49	2.00	17.15	2.36	14.79	
WCMW-03I	5/2/2008	8:49	2.00	17.2	2.42	14.78	
WCMW-03I2	5/2/2008	8:50	2.00	17.12	2.35	14.77	
WCMW-04S	5/2/2008	8:57	2.00	19.27	4.70	14.57	
WCMW-04I	5/2/2008	8:58	2.00	19.21	4.62	14.59	
WCMW-04I2	5/2/2008	8:59	2.00	19.16	4.49	14.67	
WCMW-05S	5/2/2008	9:23	2.00	18.46	3.82	14.64	
WCMW-05I	5/2/2008	9:24	2.00	18.27	3.65	14.62	
WCMW-05I2	5/2/2008	9:24	2.00	18.39	3.73	14.66	
WCMW-06S	5/2/2008	11:26	2.00	14.78	0.40	14.38	
WCMW-06I	5/2/2008	11:27	2.00	14.92	0.56	14.36	
WCMW-06I2	5/2/2008	11:27	2.00	15.08	0.69	14.39	
WCMW-07S	NM	NM	2.00	NS	NM	NC	No access
WCMW-07I	NM	NM	2.00	NS	NM	NC	No access
WCMW-07I2	NM	NM	2.00	NS	NM	NC	No access
WCMW-08S	5/2/2008	8:15	2.00	17.65	2.39	15.26	
WCMW-08I	5/2/2008	8:16	2.00	17.72	2.45	15.27	
WCMW-08I2	5/2/2008	8:17	2.00	17.76	2.51	15.25	
WCMW-09S	5/2/2008	9:57	2.00	18.03	2.99	15.04	
WCMW-10S	5/2/2008	9:38	2.00	17.44	2.64	14.80	
WCMW-10D	5/2/2008	9:38	2.00	17.36	2.56	14.80	
WCMW-11S	5/2/2008	NM	2.00	NS	NM	NC	No access
WCMW-11I	5/2/2008	NM	2.00	NS	NM	NC	No access
WCMW-11D	5/2/2008	NM	2.00	NS	NM	NC	No access
WCMW-12S	5/2/2008	10:41	2.00	16.88	3.11	13.77	
WCMW-12I	5/2/2008	10:42	2.00	17.19	3.43	13.76	
WCMW-12D	5/2/2008	10:42	2.00	17.15	3.37	13.78	
WCMW-13S	5/2/2008	10:56	2.00	15.11	1.52	13.59	
WCMW-13I	5/2/2008	10:57	2.00	15.41	1.73	13.68	
WCMW-13D	5/2/2008	10:58	2.00	15.38	1.67	13.71	
WCMW-14S	5/2/2008	11:34	2.00	15.68	1.11	14.57	
WCMW-14I	5/2/2008	11:35	2.00	15.34	0.81	14.53	
WCMW-14I2	5/2/2008	11:35	2.00	15.33	0.80	14.53	
WCMW-14D	5/2/2008	11:36	2.00	15.63	1.07	14.56	
WCMW-16S	5/2/2008	8:33	2.00	17.45	2.16	15.29	
WCMW-16I	5/2/2008	8:34	2.00	17.33	2.05	15.28	
WCMW-16I2	5/2/2008	8:34	2.00	17.25	2.00	15.25	
BBSW-14*	5/2/2008	11:01	NA	15.05	3.01	12.04	Watchogue Creek at Union Blvd.

Notes:

1 - Well Elevations obtained from 2007 Survey and reference NVGD88 datum
NS - 2007 Survey Data Not Available
-- Not Available
NM - Not Measured
NC - Not Calculated
* - Surface Water Gauging Station

Table 6-2
Historic Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
Operable Unit No. 4 (OU-4)

Well Identification	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)						
		November-99	June-02	November-02	March-03	July-03	September-03	January-04
WCMW-01S	2.0 - 12.0	NM	13.89	14.15	15.01	14.66	13.92	14.21
WCMW-01I	35.0 - 45.0	NM	14.01	14.22	14.72	14.59	13.98	14.22
WCMW-01D	64.0 - 72.0	NM	14.00	14.12	14.89	14.59	13.97	14.31
WCMW-02S	3.0 - 13.0	NM	12.96	13.12	13.53	13.45	12.92	13.09
WCMW-02I	34.5 - 44.5	NM	12.86	13.03	13.43	13.34	12.86	13.01
WCMW-02D	62.0 - 72.0	NM	12.92	13.10	13.64	13.44	12.90	12.75
WCMW-03S	4.83 - 9.83	NM	NM	13.96	14.67	14.48	13.75	NM
WCMW-03I	19.4 - 24.4	NM	NM	14.15	14.71	14.58	13.93	NM
WCMW-03I2	28.55 - 33.55	NM	NM	13.98	14.52	14.41	13.76	NM
WCMW-04S	1.5 - 11.5	NM	NM	13.97	14.50	14.36	13.70	NM
WCMW-04I	19.0 - 24.0	NM	NM	13.94	14.49	14.36	13.70	NM
WCMW-04I2	29.85 - 34.85	NM	NM	14.05	14.58	14.43	13.79	NM
WCMW-05S	1.4 - 11.4	NM	NM	14.20	14.68	14.46	13.82	NM
WCMW-05I	19.61 - 24.61	NM	NM	13.98	14.51	14.40	13.76	NM
WCMW-05I2	29.46 - 34.46	NM	NM	14.02	14.54	14.43	13.81	NM
WCMW-06S	2.0 - 12.0	NM	NM	NM	NM	NM	NM	NM
WCMW-06I	19.55 - 24.55	NM	NM	NM	NM	NM	NM	NM
WCMW-06I2	29.83 - 34.83	NM	NM	13.86	14.33	14.21	13.60	NM
WCMW-08S	4.2 - 9.2	NM	NM	14.55	15.14	15.02	14.32	14.57
WCMW-08I	19.2 - 24.2	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
WCMW-09S	5.0 - 15.0	NM	NM	NM	NM	NM	NM	NM
WCMW-10S	15.0 - 20.0	NM	NM	NM	NM	NM	NM	NM
WCMW-10D	40.0 - 50.0	NM	NM	NM	NM	NM	NM	NM
WCMW-11S**	5.0 - 15.0	NM	NM	NM	NM	NM	NM	NM
WCMW-11I**	25.0 - 35.0	NM	NM	NM	NM	NM	NM	NM
WCMW-11D**	50.0 - 60.0	NM	NM	NM	NM	NM	NM	NM

Table 6-2
Historic Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
Operable Unit No. 4 (OU-4)

Well Identification	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)						
		April-04	June-04	October-04	February-05	May-05	August-05	November-05
WCMW-01S	2.0 - 12.0	15.27	13.62	14.09	14.89	14.61	13.45	15.05
WCMW-01I	35.0 - 45.0	15.26	13.66	14.10	14.78	14.61	13.37	15.05
WCMW-01D	64.0 - 72.0	15.24	13.63	14.09	13.89	14.71	13.41	15.07
WCMW-02S	3.0 - 13.0	14.00	12.66	13.03	14.07	13.44	12.25	13.69
WCMW-02I	34.5 - 44.5	13.96	12.56	12.95	13.52	13.41	12.28	13.75
WCMW-02D	62.0 - 72.0	14.01	12.61	12.98	13.46	13.55	12.34	13.84
WCMW-03S	4.83 - 9.83	15.04	13.44	13.96	14.64	14.41	13.42	15.03
WCMW-03I	19.4 - 24.4	15.16	13.61	14.05	14.69	14.55	13.32	14.96
WCMW-03I2	28.55 - 33.55	14.98	13.46	13.89	14.50	14.38	13.30	14.95
WCMW-04S	1.5 - 11.5	15.06	13.39	13.83	14.46	14.32	13.10	14.73
WCMW-04I	19.0 - 24.0	15.00	13.41	13.83	14.47	14.33	13.10	14.73
WCMW-04I2	29.85 - 34.85	15.07	13.48	13.88	14.55	14.45	13.21	14.83
WCMW-05S	1.4 - 11.4	15.05	13.48	13.97	14.66	14.39	13.18	14.85
WCMW-05I	19.61 - 24.61	14.99	13.44	13.89	14.52	14.37	13.16	14.81
WCMW-05I2	29.46 - 34.46	15.02	13.48	13.92	14.57	14.41	13.17	14.84
WCMW-06S	2.0 - 12.0	NM	NM	NM	NM	NM	NM	NM
WCMW-06I	19.55 - 24.55	NM	NM	NM	NM	NM	NM	NM
WCMW-06I2	29.83 - 34.83	14.79	13.27	13.74	14.39	14.22	12.98	14.62
WCMW-08S	4.2 - 9.2	15.59	14.00	14.45	15.11	15.01	13.73	15.43
WCMW-08I	19.2 - 24.2	NM	NM	NM	NM	NM	NM	NM
WCMW-08I2	26.9 - 31.9	15.61	14.03	14.47	15.14	15.03	13.77	15.44
WCMW-09S	5.0 - 15.0	NM	NM	NM	NM	NM	NM	NM
WCMW-10S	15.0 - 20.0	NM	NM	NM	NM	NM	NM	NM
WCMW-10D	40.0 - 50.0	NM	NM	NM	NM	NM	NM	NM
WCMW-11S**	5.0 - 15.0	NM	NM	NM	NM	NM	NM	NM
WCMW-11I**	25.0 - 35.0	NM	NM	NM	NM	NM	NM	NM
WCMW-11D**	50.0 - 60.0	NM	NM	NM	NM	NM	NM	NM

Table 6-2
Historic Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
Operable Unit No. 4 (OU-4)

Well Identification	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)						
		February-06	May-06	July/Aug-06	November-06	January-07	May-07	July/Aug-07
WCMW-01S	2.0 - 12.0	14.87	14.51	14.20	14.61	14.59	14.83	14.09
WCMW-01I	35.0 - 45.0	14.88	14.52	14.19	14.65	14.64	14.87	14.14
WCMW-01D	64.0 - 72.0	NM	14.51	14.18	14.63	14.53	14.84	14.14
WCMW-02S	3.0 - 13.0	13.53	13.22	12.95	13.39	13.35	13.60	12.95
WCMW-02I	34.5 - 44.5	13.61	13.28	12.98	13.43	13.41	13.67	12.98
WCMW-02D	62.0 - 72.0	13.64	13.32	12.98	13.47	13.44	13.70	13.02
WCMW-03S	4.83 - 9.83	14.87	14.52	14.23	14.61	14.57	14.83	14.09
WCMW-03I	19.4 - 24.4	14.80	14.43	14.11	14.55	14.56	14.80	14.06
WCMW-03I2	28.55 - 33.55	14.79	14.42	14.10	14.55	14.54	14.79	14.05
WCMW-04S	1.5 - 11.5	14.59	14.23	13.90	14.36	14.33	14.58	13.83
WCMW-04I	19.0 - 24.0	14.59	14.23	13.90	14.36	14.35	14.59	13.84
WCMW-04I2	29.85 - 34.85	14.64	14.32	13.99	14.45	14.43	14.70	13.94
WCMW-05S	1.4 - 11.4	14.70	14.31	13.99	14.48	14.43	14.67	13.92
WCMW-05I	19.61 - 24.61	14.65	14.29	13.97	14.42	14.40	14.66	13.92
WCMW-05I2	29.46 - 34.46	14.68	14.33	13.98	14.46	14.44	14.70	13.95
WCMW-06S	2.0 - 12.0	NM	NM	NM	NM	NM	NM	NM
WCMW-06I	19.55 - 24.55	NM	NM	NM	NM	NM	NM	NM
WCMW-06I2	29.83 - 34.83	NM	14.12	NM	NM	14.25	14.45	13.69
WCMW-08S	4.2 - 9.2	15.26	14.92	14.58	14.99	15.01	15.29	14.52
WCMW-08I	19.2 - 24.2	NM	NM	14.60	15.03	15.03	15.28	14.51
WCMW-08I2	26.9 - 31.9	15.27	14.92	14.59	15.02	15.02	15.28	14.52
WCMW-09S	5.0 - 15.0	15.05	14.71	14.39	14.81	14.82	15.08	14.32
WCMW-10S	15.0 - 20.0	NM	NM	NM	NM	14.57	17.44	NM
WCMW-10D	40.0 - 50.0	14.82	14.46	14.14	NM	14.57	17.36	NM
WCMW-11S**	5.0 - 15.0	15.84	NM	NM	NM	NM	NM	NM
WCMW-11I**	25.0 - 35.0	15.84	NM	NM	NM	NM	NM	NM
WCMW-11D**	50.0 - 60.0	15.81	NM	NM	NM	NM	NM	NM

Table 6-2
Historic Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
Operable Unit No. 4 (OU-4)

Well Identification	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)					
		Oct/Nov-07	January-08	May-08	Minimum	Average	Maximum
WCMW-01S	2.0 - 12.0	13.51	14.28	14.79	13.45	14.40	15.27
WCMW-01I	35.0 - 45.0	13.53	14.3	14.88	13.37	14.40	15.26
WCMW-01D	64.0 - 72.0	13.55	14.28	14.87	13.41	14.34	15.24
WCMW-02S	3.0 - 13.0	12.35	13.07	13.54	12.25	13.22	14.07
WCMW-02I	34.5 - 44.5	12.34	13.11	13.62	12.28	13.19	13.96
WCMW-02D	62.0 - 72.0	12.39	13.16	13.65	12.34	13.23	14.01
WCMW-03S	4.83 - 9.83	13.43	14.28	14.79	13.42	14.33	15.04
WCMW-03I	19.4 - 24.4	13.41	14.22	14.78	13.32	14.35	15.16
WCMW-03I2	28.55 - 33.55	13.40	14.17	14.77	13.30	14.27	14.98
WCMW-04S	1.5 - 11.5	13.18	13.97	14.57	13.10	14.14	15.06
WCMW-04I	19.0 - 24.0	13.20	14.02	14.59	13.10	14.14	15.00
WCMW-04I2	29.85 - 34.85	13.29	14.12	14.67	13.21	14.23	15.07
WCMW-05S	1.4 - 11.4	13.25	14.14	14.64	13.18	14.25	15.05
WCMW-05I	19.61 - 24.61	13.27	14.07	14.62	13.16	14.20	14.99
WCMW-05I2	29.46 - 34.46	13.31	14.08	14.66	13.17	14.23	15.02
WCMW-06S	2.0 - 12.0	13.03	13.83	14.38	13.03	13.75	14.38
WCMW-06I	19.55 - 24.55	13.02	13.82	14.36	13.02	13.73	14.36
WCMW-06I2	29.83 - 34.83	13.07	13.83	14.39	12.98	13.99	14.79
WCMW-08S	4.2 - 9.2	13.82	14.64	15.26	13.73	14.78	15.59
WCMW-08I	19.2 - 24.2	13.85	14.66	15.27	13.85	14.78	15.28
WCMW-08I2	26.9 - 31.9	13.82	14.74	15.25	13.77	14.80	15.61
WCMW-09S	5.0 - 15.0	13.64	14.45	15.04	13.64	14.63	15.08
WCMW-10S	15.0 - 20.0	13.47	14.18	14.80	13.47	14.89	17.44
WCMW-10D	40.0 - 50.0	13.42	14.18	14.80	13.42	14.72	17.36
WCMW-11S**	5.0 - 15.0	NM	NM	NC	15.84	15.84	15.84
WCMW-11I**	25.0 - 35.0	NM	NM	NC	15.84	15.84	15.84
WCMW-11D**	50.0 - 60.0	NM	NM	NC	15.81	15.81	15.81

Notes:
NM - not measured
bgs - below ground surface
NC - not calculated
Well Elevations obtained from 2007 Survey and reference NVGD88 datum
** 2007 Groundwater Elevation Data not Available. Groundwater elevation data presented is in reference to the NGVD29 Datum

Table 6-3
Summary of Historic Total BTEX Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Report
Operable Unit No. 4 (OU-4)

Well No.	Screen Interval (feet)	Total BTEX Groundwater Concentration (ug/L)												
		Sampling Date												
		2002		2003			2004				2005			
		June/July	Nov/Dec	Feb-Apr	Jul/Aug	Sept/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	June	August	Nov/Dec
WCMW-01D	64.0 - 74.0	0	0	--	0	--	--	0	0	--	--	--	--	--
WCMW-01I	35.0 - 45.0	0	0	0	0	0	--	0	0	--	0	--	--	--
WCMW-01S	2.0 - 12.0	5	1	0	0	0	0	0	11	0	0	0	10	0
WCMW-02D	62.0 - 72.0	0	0	--	--	--	--	0	0	--	--	--	--	--
WCMW-02I	34.5 - 44.5	0	0	0	0	0	--	0	0	--	--	--	--	--
WCMW-02S	3.0 - 13.0	6	0	0	0	0	0	0	0	--	0	--	--	--
WCMW-03I	19.4 - 24.4	--	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
WCMW-03S	4.83 - 9.83	--	10	12	25	0	10	25	14	0	42	14	23	10
WCMW-04I	19.0 - 24.0	--	0	0	0	0	0	0	0	--	0	--	--	0
WCMW-04I2	29.85 - 34.85	--	0	--	0	0	--	0	0	0	0	--	--	0
WCMW-04S	1.5 - 11.5	--	33	0	15	16	12	0	10	40	0	16	0	0
WCMW-05I	19.61 - 24.61	--	0	0	0	0	0	0	0	--	0	--	--	0
WCMW-05I2	29.46 - 34.46	--	0	0	0	0	--	0	0	0	0	--	--	0
WCMW-05S	1.4 - 11.4	--	0	0	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-06S	2.0 - 12.0	--	0	0	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-07S	2.76 - 12.76	--	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-08S	4.2 - 9.2	--	0	0	0	0	--	0	0	--	--	--	--	--
WCMW-09S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-10D	40.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-10S	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-11D	50.0 - 60.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-11I	25.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-11S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-12D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-12I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-12S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-13D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-13I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-13S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-14D	67.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-14I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-14I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-14S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-16I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-16I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-16S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 6-3
Summary of Historic Total BTEX Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Report
Operable Unit No. 4 (OU-4)

Well No.	Screen Interval (feet)	Total BTEX Groundwater Concentration (ug/L)														
		Sampling Date														
		2006				2007				2008		Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		March	June	Jul/Aug	Nov/Dec	March	May-July	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun					
WCMW-01D	64.0 - 74.0	0	--	--	--	0	--	0	2	0	0	0	2	0	0	2
WCMW-01I	35.0 - 45.0	0	--	--	--	0	--	0	1	0	0	0	1	0	0	1
WCMW-01S	2.0 - 12.0	0	0	23	0	0	0	13	9	2	0	0	23	3	0	23
WCMW-02D	62.0 - 72.0	0	--	--	--	0	--	0	0	0	0	0	0	0	0	0
WCMW-02I	34.5 - 44.5	0	--	--	--	0	--	0	0	0	0	0	0	0	0	0
WCMW-02S	3.0 - 13.0	0	0	0	0	0	0	4	6	0	0	0	6	1	0	6
WCMW-03I	19.4 - 24.4	--	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
WCMW-03S	4.83 - 9.83	--	0	22	20	0	12	32	0	20	21	0	42	15	0	42
WCMW-04I	19.0 - 24.0	--	--	--	0	--	--	0	0	0	0	0	0	0	0	0
WCMW-04I2	29.85 - 34.85	--	--	--	0		--	0	0	0	0	0	0	0	0	0
WCMW-04S	1.5 - 11.5	11	10	31	16	0	12	23	25	6	22	0	40	13	0	40
WCMW-05I	19.61 - 24.61	--	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
WCMW-05S	1.4 - 11.4	--	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
WCMW-06I2	29.83 - 34.83	--	--	--	--	--	--	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
WCMW-07I	18.9 - 23.9	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
WCMW-07I2	28.95 - 33.95	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
WCMW-07S	2.76 - 12.76	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
WCMW-08I	19.2 - 24.2	--	--	--	--	--	--	0	0	0	--	0	0	0	0	0
WCMW-08I2	26.9 - 31.9	--	--	--	--	--	--	0	0	0	--	0	0	0	0	0
WCMW-08S	4.2 - 9.2	0	--	--	--	--	--	0	0	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-10D	40.0 - 50.0	0	0	0	--	--	--	1	0	0	0	0	1	0	0	1
WCMW-10S	15.0 - 20.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WCMW-11D	50.0 - 60.0	0	--	0	--	--	--	--	--	--	0	0	0	0	0	0
WCMW-11I	25.0 - 35.0	0	--	0	--	--	--	--	--	--	0	0	0	0	0	0
WCMW-11S	5.0 - 15.0	80	--	148	--	--	--	--	--	--	53	80	148	114	53	148
WCMW-12D	65.0 - 70.0	--	--	--	--	--	--	--	--	0	0	0	0	0	0	0
WCMW-12I	25.0 - 30.0	--	--	--	--	--	--	--	--	0	0	0	0	0	0	0
WCMW-12S	3.0 - 13.0	--	--	--	--	--	--	--	--	0	0	0	0	0	0	0
WCMW-13D	65.0 - 70.0	--	--	--	--	--	--	--	--	0	0	0	0	0	0	0
WCMW-13I	25.0 - 30.0	--	--	--	--	--	--	--	--	0	0	0	0	0	0	0
WCMW-13S	3.0 - 13.0	--	--	--	--	--	--	--	--	0	0	0	0	0	0	0
WCMW-14D	67.0 - 72.0	--	--	--	--	--	--	--	--	0	0	0	0	0	0	0
WCMW-14I	20.0 - 25.0	--	--	--	--	--	--	--	--	0	0	0	0	0	0	0
WCMW-14I2	30.0 - 35.0	--	--	--	--	--	--	--	--	0	0	0	0	0	0	0
WCMW-14S	2.0 - 12.0	--	--	--	--	--	--	--	--	0	0	0	0	0	0	0
WCMW-16I	20.0 - 25.0	--	--	--	--	--	--	--	--	0	0	0	0	0	0	0
WCMW-16I2	30.0 - 35.0	--	--	--	--	--	--	--	--	0	0	0	0	0	0	0
WCMW-16S	2.0 - 12.0	--	--	--	--	--	--	--	--	0	0	0	0	0	0	0

NOTES:
-- = Not Analyzed/Applicable
ug/L - Micrograms per liter
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.
Peristaltic pump results are shown on this table.

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

Well No.	Screen Interval	Total PAH Groundwater Concentrations (ug/L)												
		Sampling Date												
		2002		2003			2004				2005			
	(feet)	June/July	Nov/Dec	Feb-Apr	Jul/Aug	Sept/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	June	August	Nov/Dec
WCMW-01D	64.0 - 74.0	45	35	--	0	--	--	0	0	--	--	--	--	--
WCMW-01I	35.0 - 45.0	2	2	0	0	0	--	0	0	--	0	--	--	--
WCMW-01S	2.0 - 12.0	33	756	24	10	117	0	19	228	240	0	51	298	14
WCMW-02D	62.0 - 72.0	0	0	--	--	--	--	0	0	--	--	--	--	--
WCMW-02I	34.5 - 44.5	0	4	0	0	0	--	0	0	--	--	--	--	--
WCMW-02S	3.0 - 13.0	79	125	0	0	62	0	0	44	--	15	--	--	--
WCMW-03I	19.4 - 24.4	--	268	1,120	1,100	1,004	1,243	1261	1,395	1,182	1,532	--	--	1,423
WCMW-03I2	28.55 - 33.55	--	327	340	402	348	49	133	191	127	94	--	--	109
WCMW-03S	4.83 - 9.83	--	74	393	419	481	34	293	458	350	235	171	800	376
WCMW-04I	19.0 - 24.0	--	221	174	142	99	0	62	90	--	81	--	--	155
WCMW-04I2	29.85 - 34.85	--	0	--	0	0	--	0	17	95	0	--	--	0
WCMW-04S	1.5 - 11.5	--	1,080	141	69	270	50	0	219	836	17	136	204	153
WCMW-05I	19.61 - 24.61	--	156	329	243	215	298	227	245	--	276	--	--	338
WCMW-05I2	29.46 - 34.46	--	0	0	15	0	--	0	0	214	0	--	--	0
WCMW-05S	1.4 - 11.4	--	0	31	0	0	0	10	0	14	12	--	--	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-06S	2.0 - 12.0	--	39	0	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-07S	2.76 - 12.76	--	0	0	0	56	--	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-08S	4.2 - 9.2	--	0	0	0	0	--	0	0	--	--	--	--	--
WCMW-09S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-10D	40.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-10S	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-11D	50.0 - 60.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-11I	25.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-11S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-12D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-12I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-12S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-13D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-13I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-13S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-14D	67.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-14I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-14I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-14S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-16I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-16I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-16S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--

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

Well No.	Screen Interval	Total PAH Groundwater Concentrations (ug/L)														
		Sampling Date														
		2006				2007				2008		Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
	(feet)	March	June	Jul/Aug	Nov/Dec	March	May-July	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun					
WCMW-01D	64.0 - 74.0	0	--	--	--	0	--	0	0	0	0	0	45	8	0	45
WCMW-01I	35.0 - 45.0	0	--	--	--	0	--	0	0	0	0	0	2	0	0	2
WCMW-01S	2.0 - 12.0	0	10	340	130	78	291	203	345	47	9	0	756	147	0	756
WCMW-02D	62.0 - 72.0	0	--	--	--	0	--	0	0	0	0	0	0	0	0	0
WCMW-02I	34.5 - 44.5	0	--	--	--	0	--	0	0	0	0	0	4	0	0	4
WCMW-02S	3.0 - 13.0	0	0	30	0	0	0	77	101	0	4	0	125	30	0	125
WCMW-03I	19.4 - 24.4	--	1,770	--	--	--	--	255	315	939	134	255	1,770	1,058	134	1,770
WCMW-03I2	28.55 - 33.55	--	83	--	--	--	--	5	37	6	0	5	402	161	0	402
WCMW-03S	4.83 - 9.83	--	242	339	233	198	240	305	44	122	12	34	800	290	12	800
WCMW-04I	19.0 - 24.0	--	--	--	144	--	--	142	94	70	66	0	221	113	0	221
WCMW-04I2	29.85 - 34.85	--	--	--	0	--	--	0	0	0	0	0	95	9	0	95
WCMW-04S	1.5 - 11.5	116	57	264	445	95	214	194	326	186	72	0	1,080	242	0	1,080
WCMW-05I	19.61 - 24.61	--	286	--	--	--	--	242	287	162	153	156	338	254	153	338
WCMW-05I2	29.46 - 34.46	--	0	--	--	--	--	7	31	0	0	0	214	21	0	214
WCMW-05S	1.4 - 11.4	--	0	--	--	0	0	3	3	5	3	0	31	5	0	31
WCMW-06I	19.55 - 24.55	--	--	--	--	--	--	52	0	0	0	0	52	5	0	52
WCMW-06I2	29.83 - 34.83	--	--	--	--	--	--	0	11	0	0	0	11	1	0	11
WCMW-06S	2.0 - 12.0	--	--	--	--	0	0	1	0	0	4	0	39	3	0	39
WCMW-07I	18.9 - 23.9	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
WCMW-07I2	28.95 - 33.95	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
WCMW-07S	2.76 - 12.76	--	--	--	--	--	--	--	--	--	--	0	56	11	0	56
WCMW-08I	19.2 - 24.2	--	--	--	--	--	--	0	0	0	--	0	0	0	0	0
WCMW-08I2	26.9 - 31.9	--	--	--	--	--	--	0	0	0	--	0	0	0	0	0
WCMW-08S	4.2 - 9.2	0	--	--	--	--	--	0	0	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-10D	40.0 - 50.0	0	0	0	--	--	--	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	21	2	0	21
WCMW-11D	50.0 - 60.0	0	--	0	--	--	--	--	--	--	0	0	0	0	0	0
WCMW-11I	25.0 - 35.0	0	--	0	--	--	--	--	--	--	0	0	0	0	0	0
WCMW-11S	5.0 - 15.0	1,037	--	590	--	--	--	--	--	--	705	590	1,037	814	590	1,037
WCMW-12D	65.0 - 70.0	--	--	--	--	--	--	--	--	0	0	0	0	0	0	0
WCMW-12I	25.0 - 30.0	--	--	--	--	--	--	--	--	0	0	0	0	0	0	0
WCMW-12S	3.0 - 13.0	--	--	--	--	--	--	--	--	2	5	2	2	2	2	5
WCMW-13D	65.0 - 70.0	--	--	--	--	--	--	--	--	0	0	0	0	0	0	0
WCMW-13I	25.0 - 30.0	--	--	--	--	--	--	--	--	0	0	0	0	0	0	0
WCMW-13S	3.0 - 13.0	--	--	--	--	--	--	--	--	0	0	0	0	0	0	0
WCMW-14D	67.0 - 72.0	--	--	--	--	--	--	--	--	0	0	0	0	0	0	0
WCMW-14I	20.0 - 25.0	--	--	--	--	--	--	--	--	16	77	16	16	16	16	77
WCMW-14I2	30.0 - 35.0	--	--	--	--	--	--	--	--	0	0	0	0	0	0	0
WCMW-14S	2.0 - 12.0	--	--	--	--	--	--	--	--	0	0	0	0	0	0	0
WCMW-16I	20.0 - 25.0	--	--	--	--	--	--	--	--	0	0	0	0	0	0	0
WCMW-16I2	30.0 - 35.0	--	--	--	--	--	--	--	--	0	0	0	0	0	0	0
WCMW-16S	2.0 - 12.0	--	--	--	--	--	--	--	--	4	28	4	4	4	4	28

NOTES:
-- = Not Analyzed/Applicable
ug/L - Micrograms per liter
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.
Peristaltic pump results are shown on this table.

Table 6-5
Summary of Expanded Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 4 (OU-4)

Operable Unit:		OU4	OU4	OU4	OU4	OU4	OU4	OU4
Well ID:		WCMW-01D	WCMW-01I	WCMW-01S	WCMW-02D	WCMW-02I	WCMW-02S	WCMW-03I
Screened Interval (feet):	NYS	64-74	35-45	2-12	62-72	34.5-44.5	3-13	19.4-24.4
Date Sampled:	AWQS	6/11/2008	6/11/2008	6/11/2008	6/18/2008	6/17/2008	6/17/2008	6/12/2008
BTEX (ug/L)								
Benzene	1	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
Ethylbenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene, m,p-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene, o-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total BTEX	NE	ND	ND	ND	ND	ND	ND	ND
Other VOCs (ug/L)								
Acetone	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Butanone, 2-	50*	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	7	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,2-	3	10 U	10 U	10 U	10 U	10 U	10 U	**2 J**
Dichlorobenzene,1,3-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,4-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	5	10 UJ	10 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
Dichloroethene, cis-1,2-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene,1,1-	5	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U
Isopropyl benzene	5	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U
Methyl tert-butyl ether	10*	10 UJ	10 UJ	**1 J**	10 U	10 U	**3 J**	**1 J**
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	**410**
Propylbenzene, n-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	**3 J**
Tetrahydrofuran	50*	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Trichloroethene	5	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**
Trimethylbenzene, 1,2,4-	5	10 U	10 U	10 U	10 U	10 U	10 U	**25**
Trimethylpentane, 2,2,4-	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U
Non-carcinogenic PAHs (ug/L)								
Acenaphthene	20*	10 U	10 U	**4 J**	10 U	10 U	**1 J**	**20**
Acenaphthylene	NE	10 U	10 U	**3 J**	10 U	10 U	10 U	**36**
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	**1 J**	**6 J**
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	**1 J**	**2 J**
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	**41 J**
Methylnaphthalene,2-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	**2 J**	10 U	10 U	10 U	**27 J**
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	**1 J**	**2 J**
Total Non-carcinogenic PAHs	NE	ND	ND	**9**	ND	ND	**4**	**134**
Carcinogenic PAHs (ug/L)								
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)								
Total PAHs	NE	ND	ND	**9**	ND	ND	**4**	**134**

Table 6-5
Summary of Expanded Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 4 (OU-4)

Operable Unit:		OU4	OU4	OU4	OU4	OU4	OU4	OU4
Well ID:		WCMW-03I2	WCMW-03S	WCMW-04I	WCMW-04I2	WCMW-04S	WCMW-05I	WCMW-05I2
Screened Interval (feet):	NYS	28.55-33.55	4.83-9.83	19-24	19-24	1.5-11.5	19.61-24.61	19.61-24.61
Date Sampled:	AWQS	6/12/2008	6/12/2008	6/12/2008	6/12/2008	6/12/2008	6/13/2008	6/13/2008
BTEX (ug/L)								
Benzene	1	10 U	**8**	10 U	10 U	**1 J**	10 U	10 U
Toluene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	5	10 U	**5 J**	10 U	10 U	**13**	10 U	10 U
Xylene, m,p-	5	10 U	**3 J**	10 U	10 U	**2 J**	10 U	10 U
Xylene, o-	5	10 U	**5**	10 U	10 U	**6**	10 U	10 U
Total BTEX	NE	ND	**21**	ND	ND	**22**	ND	ND
Other VOCs (ug/L)								
Acetone	50*	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Butanone, 2-	50*	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	7	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,2-	3	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
Dichlorobenzene,1,4-	3	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
Dichloroethane,1,1-	5	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
Dichloroethene,1,1-	5	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Isopropyl benzene	5	10 U	**2 J**	10 U	10 U	**5**	10 U	10 U
Methyl tert-butyl ether	10*	**1 J**	**1 J**	10 UJ	10 UJ	10 UJ	**170 J**	**1 J**
Naphthalene	10*	**6**	**190**	**33**	10 U	**230**	**50**	**4 J**
Propylbenzene, n-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrahydrofuran	50*	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Trichloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene 1,3,5-/P-ethyltoluene	NE	10 U	**21**	10 U	10 U	**33**	10 U	10 U
Trimethylbenzene, 1,2,4-	5	10 U	**27**	**3 J**	10 U	**47**	**3 J**	10 U
Trimethylpentane, 2,2,4-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Non-carcinogenic PAHs (ug/L)								
Acenaphthene	20*	10 U	**10**	**10**	10 U	**47**	**9**	10 U
Acenaphthylene	NE	10 U	10 U	**29**	10 U	**4 J**	**38**	10 U
Anthracene	50*	10 UJ	10 UJ	**4 J**	10 UJ	**3 J**	**6 J**	10 UJ
Fluoranthene	50*	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	**2 J**	10 UJ
Fluorene	50*	10 UJ	10 UJ	**6 J**	10 UJ	**11 J**	**18 J**	10 UJ
Methylnaphthalene,2-	NE	10 U	10 U	10 U	10 U	10 U	**52**	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	**7**	10 U
Phenanthrene	50*	10 UJ	10 UJ	**16 J**	10 UJ	**6 J**	**19**	10 UJ
Pyrene	50*	10 UJ	**2 J**	**1 J**	10 UJ	**1 J**	**2 J**	10 UJ
Total Non-carcinogenic PAHs	NE	ND	**12**	**66**	ND	**72**	**153**	ND
Carcinogenic PAHs (ug/L)								
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)								
Total PAHs	NE	ND	**12**	**66**	ND	**72**	**153**	ND

Table 6-5
Summary of Expanded Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 4 (OU-4)

Operable Unit: / Well ID: / Screened Interval (feet): / Date Sampled:	NYS AWQS	OU4 WCMW-05S 1.4-11.4 6/13/2008	OU4 WCMW-06I 19.55-24.55 6/19/2008	OU4 WCMW-06I2 29.83-34.83 6/19/2008	OU4 WCMW-06S 2-12 6/19/2008	OU4 WCMW-09 5-15 6/13/2008	OU4 WCMW-10D 40-50 6/17/2008	OU4 WCMW-10S 15-20 6/17/2008
BTEX (ug/L)								
Benzene	1	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
Ethylbenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene, m,p-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene, o-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total BTEX	NE	ND	ND	ND	ND	ND	ND	ND
Other VOCs (ug/L)								
Acetone	50*	10 UJ	10 U	10 U	10 U	10 UJ	10 U	10 U
Butanone, 2-	50*	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
Chloroform	7	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
Dichlorobenzene,1,3-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,4-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	5	10 UJ	10 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	**2 J**	10 U
Dichloroethene, cis-1,2-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene,1,1-	5	10 UJ	10 U	10 U	10 U	10 UJ	10 U	10 U
Isopropyl benzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl tert-butyl ether	10*	**3 J**	**2 J**	**1 J**	**9**	10 UJ	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Propylbenzene, n-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrahydrofuran	50*	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Trichloroethene	5	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
Trimethylbenzene, 1,2,4-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylpentane, 2,2,4-	NE	10 U	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 UJ
Non-carcinogenic PAHs (ug/L)								
Acenaphthene	20*	**3 J**	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	**1 J**	10 U	10 U	10 U
Anthracene	50*	10 UJ	10 U	10 U	10 U	10 UJ	10 U	10 U
Fluoranthene	50*	10 UJ	10 U	10 U	10 U	10 UJ	10 U	10 U
Fluorene	50*	10 UJ	10 U	10 U	10 U	10 UJ	10 U	10 U
Methylnaphthalene,2-	NE	10 U	10 U	10 U	**3 J**	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	11 U	10 U	10 U	10 U
Phenanthrene	50*	10 UJ	10 U	10 U	10 U	10 UJ	10 U	10 U
Pyrene	50*	10 UJ	10 U	10 U	10 U	10 UJ	10 U	10 U
Total Non-carcinogenic PAHs	NE	**3**	ND	ND	**4**	ND	ND	ND
Carcinogenic PAHs (ug/L)								
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)								
Total PAHs	NE	**3**	ND	ND	**4**	ND	ND	ND

Table 6-5
Summary of Expanded Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 4 (OU-4)

Operable Unit: / Well ID: / Screened Interval (feet): / Date Sampled:	NYS AWQS	OU4 WCMW-11D 50-60 6/11/2008	OU4 WCMW-11I 25-35 6/11/2008	OU4 WCMW-11S 5-15 6/11/2008	OU4 WCMW-12D 67-72 6/16/2008	OU4 WCMW-12I 25-30 6/16/2008	OU4 WCMW-12S 3-13 6/16/2008	OU4 WCMW-13I 25-30 6/16/2008
BTEX (ug/L)								
Benzene	1	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
Ethylbenzene	5	10 U	10 U	**36**	10 U	10 U	10 U	10 U
Xylene, m,p-	5	10 U	10 U	**2 J**	10 U	10 U	10 U	10 U
Xylene, o-	5	10 U	10 U	**15**	10 U	10 U	10 U	10 U
Total BTEX	NE	ND	ND	**53**	ND	ND	ND	ND
Other VOCs (ug/L)								
Acetone	50*	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ
Butanone, 2-	50*	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	**2 J**
Chlorobenzene	5	10 U	10 U	**2 J**	10 U	10 U	10 U	10 U
Chloroform	7	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,2-	3	**2 J**	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
Dichlorobenzene,1,4-	3	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
Dichloroethane,1,1-	5	10 U	10 U	**2 J**	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
Dichloroethene,1,1-	5	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ
Isopropyl benzene	5	10 UJ	10 UJ	**12 J**	10 U	10 U	10 U	10 U
Methyl tert-butyl ether	10*	10 UJ	10 UJ	10 UJ	10 UJ	10 J	10 UJ	10 UJ
Naphthalene	10*	10 U	10 U	**700**	10 U	10 U	10 U	10 U
Propylbenzene, n-	5	10 U	10 U	**4 J**	10 U	10 U	10 U	10 U
Styrene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrahydrofuran	50*	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 UJ
Trichloroethene	5	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	**41**	10 U	10 U	10 U	10 U
Trimethylbenzene, 1,2,4-	5	10 U	10 U	**69**	10 U	10 U	10 U	10 U
Trimethylpentane, 2,2,4-	NE	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U
Non-carcinogenic PAHs (ug/L)								
Acenaphthene	20*	10 U	10 U	**210**	10 U	10 U	**2 J**	10 U
Acenaphthylene	NE	10 U	10 U	**14**	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	**13**	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	**4 J**	10 U	10 U	**1 J**	10 U
Fluorene	50*	10 U	10 U	**45**	10 U	10 U	10 U	10 U
Methylnaphthalene,2-	NE	10 U	10 U	**56**	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	**300**	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	**59**	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	**4 J**	10 U	10 U	**2 J**	10 U
Total Non-carcinogenic PAHs	NE	ND	ND	**705**	ND	ND	**5**	ND
Carcinogenic PAHs (ug/L)								
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)								
Total PAHs	NE	ND	ND	**705**	ND	ND	**5**	ND

Table 6-5
Summary of Expanded Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 4 (OU-4)

Operable Unit:		OU4	OU4	OU4	OU4	OU4	OU4	OU4
Well ID:		WCMW-13D	WCMW-13S	WCMW-14D	WCMW-14I	WCMW-14I2	WCMW-14S	WCMW-16I
Screened Interval (feet):	NYS	65-70	3-13	67-72	20-25	30-35	2-12	20-25
Date Sampled:	AWQS	6/16/2008	6/16/2008	6/19/2008	6/18/2008	6/19/2008	6/18/2008	6/11/2008
BTEX (ug/L)								
Benzene	1	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
Ethylbenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene, m,p-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene, o-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total BTEX	NE	ND	ND	ND	ND	ND	ND	ND
Other VOCs (ug/L)								
Acetone	50*	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U
Butanone, 2-	50*	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 U
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	7	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
Dichlorobenzene,1,3-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,4-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	5	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ
Dichloroethane,1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene, cis-1,2-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene,1,1-	5	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U
Isopropyl benzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl tert-butyl ether	10*	10 UJ	**5 J**	10 U	**230**	**4 J**	**9**	10 U
Naphthalene	10*	10 U	10 U	10 U	**46**	**39**	10 U	**3 J**
Propylbenzene, n-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrahydrofuran	50*	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Trichloroethene	5	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
Trimethylbenzene, 1,2,4-	5	10 U	10 U	10 U	**2 J**	**2 J**	10 U	10 U
Trimethylpentane, 2,2,4-	NE	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	**11**	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	**35**	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	**5**	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	**2 J**	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	**12**	10 U	10 U	10 U
Methylnaphthalene,2-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 J	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	**2 J**	10 U	10 U	10 U
Total Non-carcinogenic PAHs	NE	ND	ND	ND	**77**	ND	ND	ND
Carcinogenic PAHs (ug/L)								
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)								
Total PAHs	NE	ND	ND	ND	**77**	ND	ND	ND

Table 6-5
Summary of Expanded Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 4 (OU-4)

NOTES:

BTEX - benzene, toluene, ethylbenzene, and xylene (a subset of VOCs)
VOCs - volatile organic compounds
SVOCs - semivolatile organic compounds
PAHs - polycyclic aromatic hydrocarbons
ug/L - micrograms per liter or parts per billion (ppb)
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
NA - not analyzed
NE - not established
ND - not detected; total concentration is listed as ND because no compounds were detected in the group
Bolding indicates the compound was detected
Shading indicates an exceedance of established NYS AWQS
U - indicates not detected at or above the reporting limit shown
J - estimated value
D - indicates a diluted sample
UJ - not detected at or above the reporting limit shown and the reporting limit is estimated

Figures

SOURCES:

1. MAP TITLED "BAY SHORE/BRIGHTWATERS, FORMER MGP SITE FINAL REMEDIAL INVESTIGATION, BAY SHORE, NEW YORK, OFF-SITE SAMPLE LOCATION MAP" DATED: SEPT. 2002 BY DVIRKA AND BARTILUCCI.
2. FIGURE 2, GROUNDWATER MONITORING WELL AND SURFACE WATER GAUGING STATION LOCATION MAP, BAY SHORE/BRIGHTWATERS FORMER MGP SITE, SCALE: 1"=200', DATED JANUARY 2004, PREPARED BY VANASSE HANGEN BRUSTLIN, INC., MIDDLETOWN, CONNECTICUT.
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LEGEND:

GM-02AS	ACTIVE MONITORING WELL LOCATION
MW-67D	DESTROYED MONITORING WELL LOCATION
BBMW-21S	ABANDONED MONITORING WELL LOCATION
GM-02S	ACTIVE BUT UNAVAILABLE FOR SAMPLING MONITORING WELL LOCATION
WCMW-07S*	CONDITION UNKNOWN
BBSW-06	SURFACE WATER GAUGING STATION LOCATION

OU2MW-01S EXISTING MONITORING WELL CLUSTER LOCATION
OU2MW-01I S=SHALLOW
OU2MW-01I2 I=INTERMEDIATE
OU2MW-01D I2= INTERMEDIATE TWO
D=DEEP

SCALE, FEET: 0, 150, 300

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

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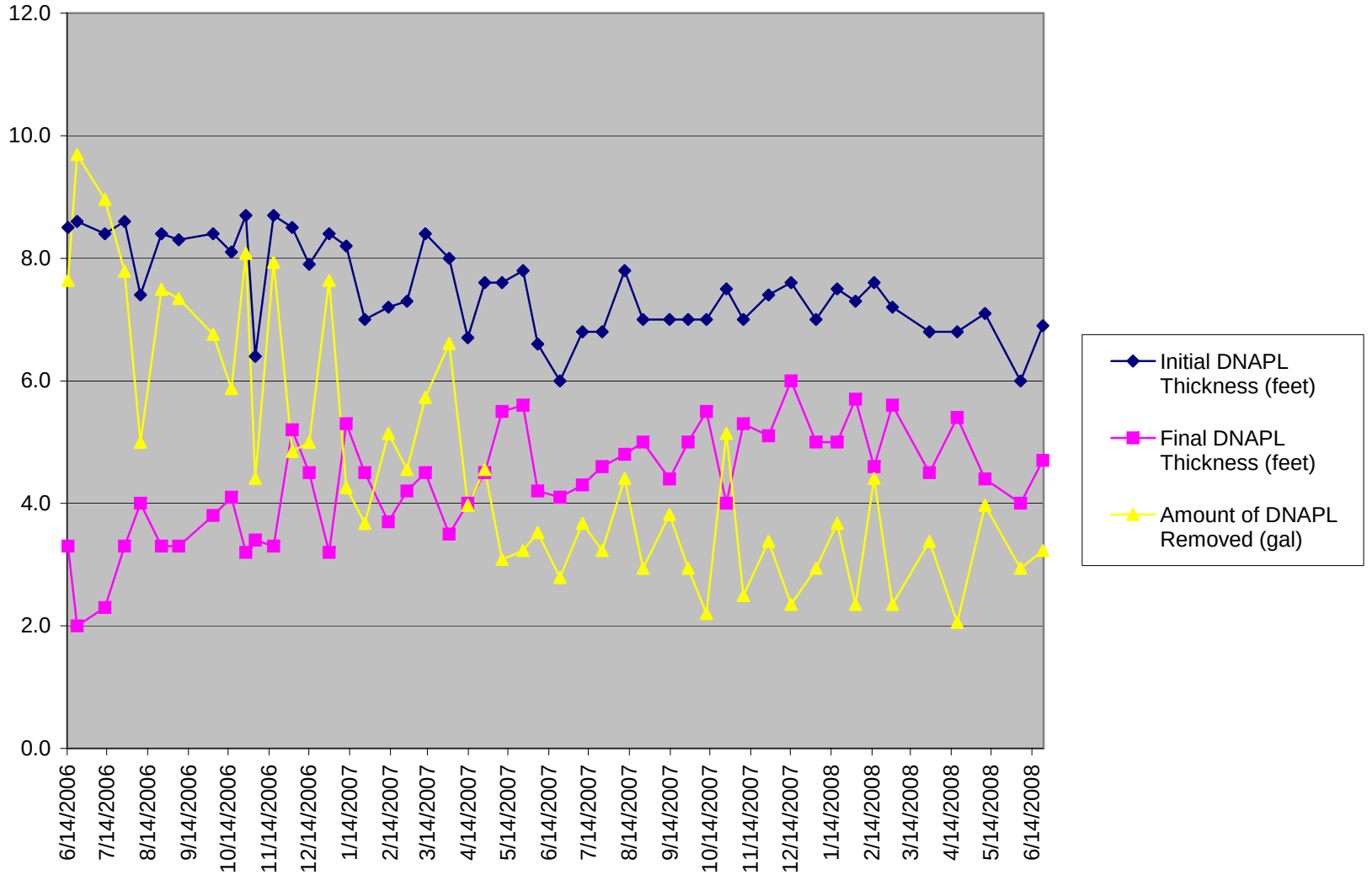
GLASTONBURY, CONNECTICUT 06033

MONITORING WELL AND SURFACE WATER GAUGING STATION LOCATION MAP

September 2008 Figure 1

DNAPL Recovery Data BBRW-02



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BAY SHORE, NEW YORK

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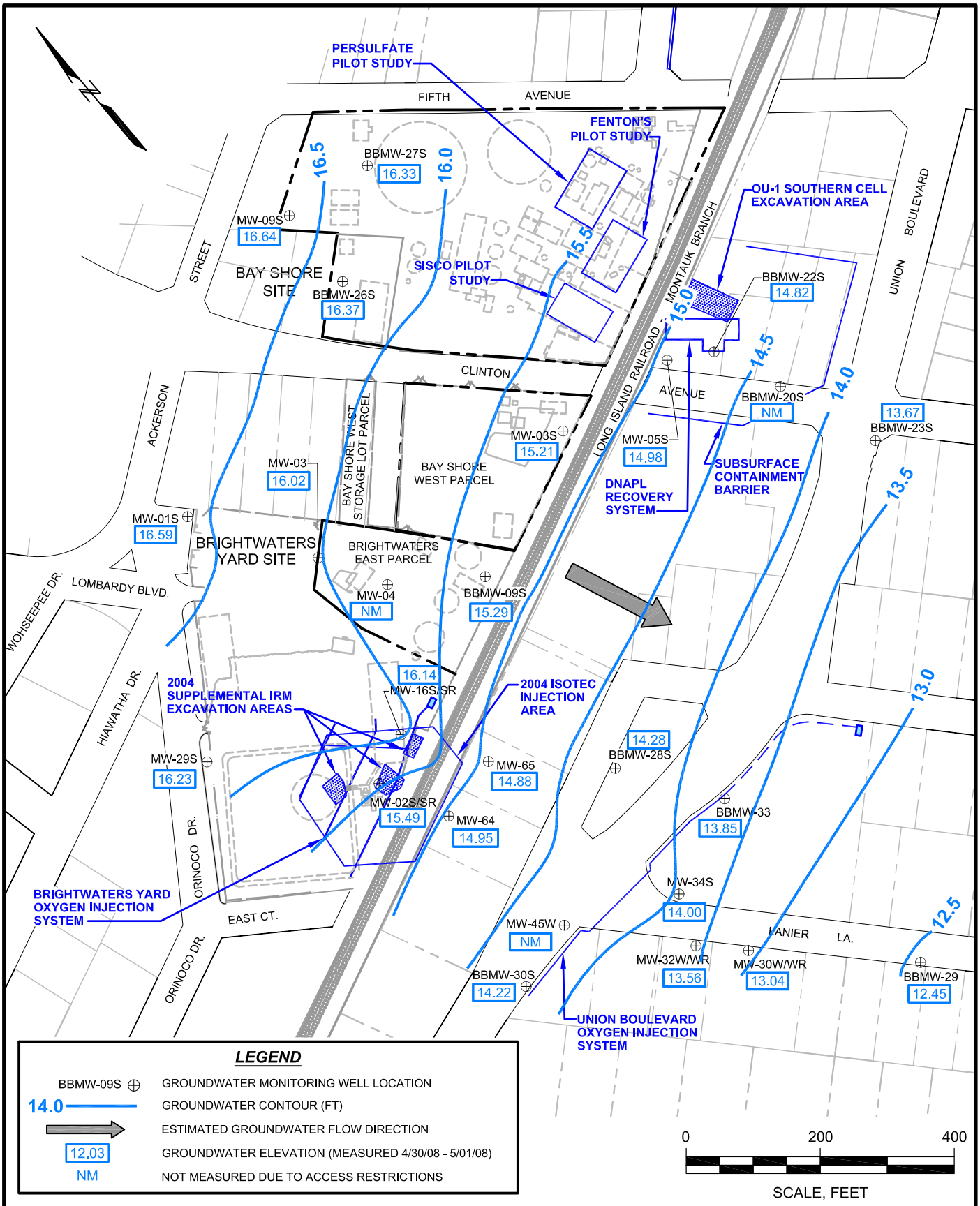
DNAPL RECOVERY DATA
BBRW-02

Project 061140-8-1707 | September 2008 | Figure 2

I:\GEI\National Grid\Bay Shore\Groundwater-Quarterly Monitoring\OMM Graphs\ Bay Shore-DNAPL Recovery Well Graph.dwg \Sep 26, 2008



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

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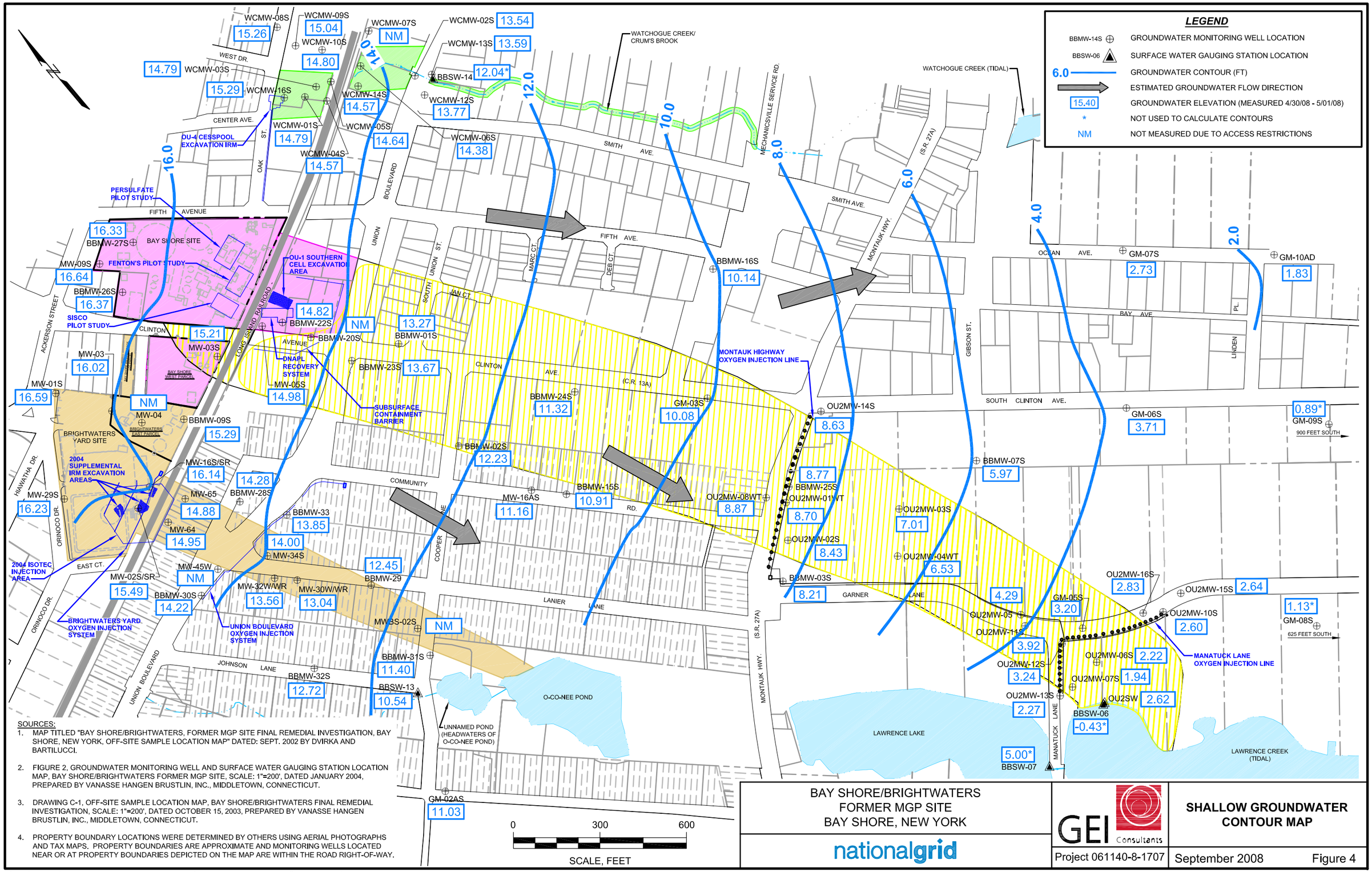
ON-SITE
SHALLOW GROUNDWATER
CONTOUR MAP

Project 061140-8-1707 | September 2008 | Figure 3

KEYSPAN\BAYSHORE\GROUNDWATER\BAY-ONSITE-SGWC-7-07.dwg



SOURCES:

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

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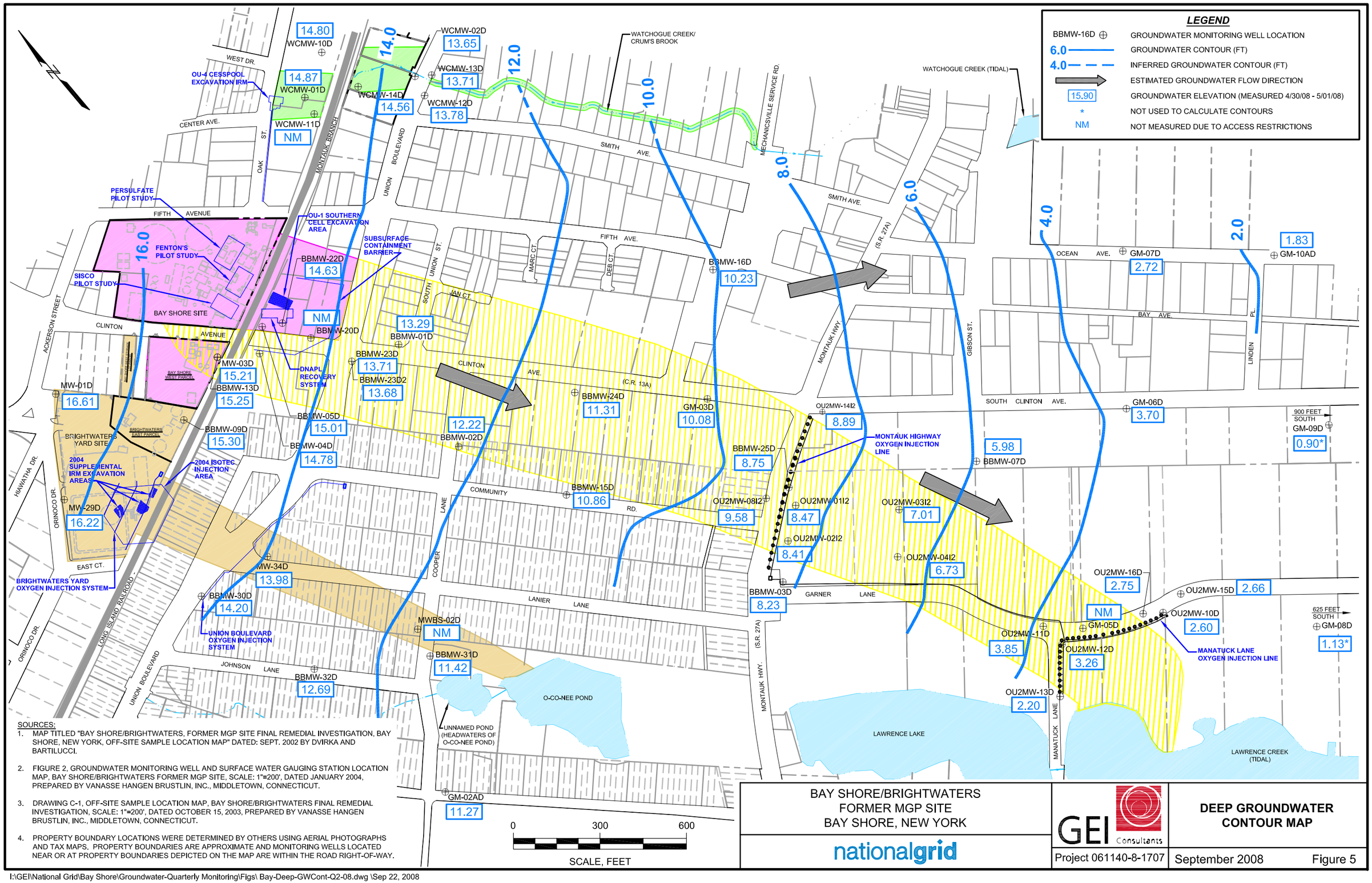
Project 061140-8-1707

SHALLOW GROUNDWATER CONTOUR MAP

September 2008 Figure 4

I:\GEI\National Grid\Bay Shore\Groundwater-Quarterly Monitoring\Figs\ Bay-Shallow-GWCont-Q2-08.dwg \Sep 22, 2008



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FORMER MGP SITE
BAY SHORE, NEW YORK

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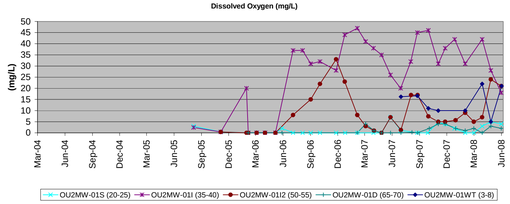
Project 061140-8-1707

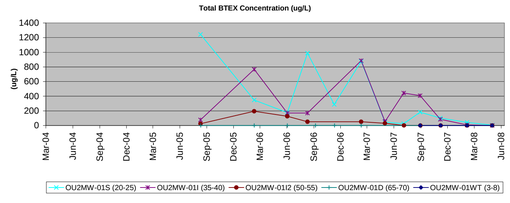
DEEP GROUNDWATER CONTOUR MAP

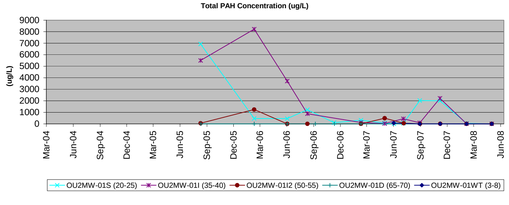
September 2008 Figure 5

I:\GEI\National Grid\Bay Shore\Groundwater-Quarterly Monitoring\Figs\ Bay-Deep-GWCont-Q2-08.dwg \Sep 22, 2008

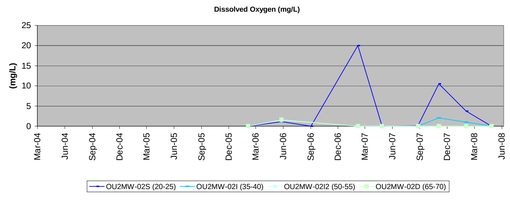
OU2MW-01

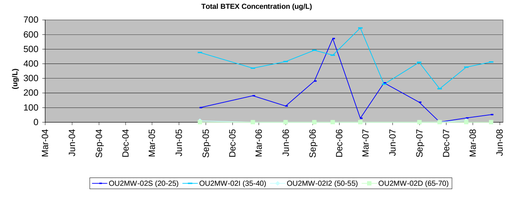


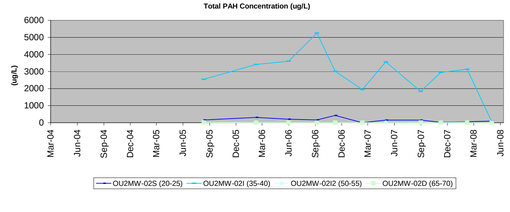




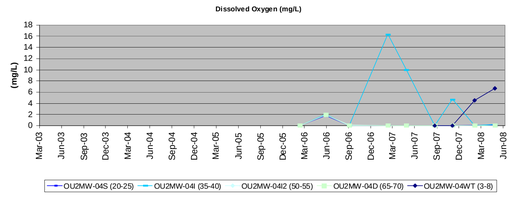
OU2MW-02

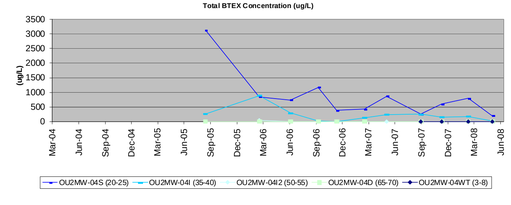


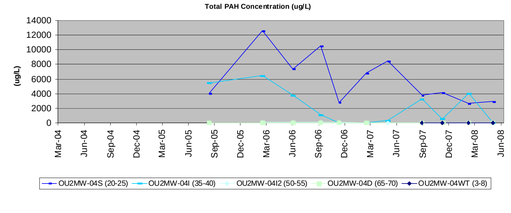




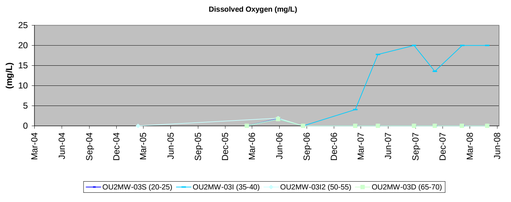
OU2MW-04

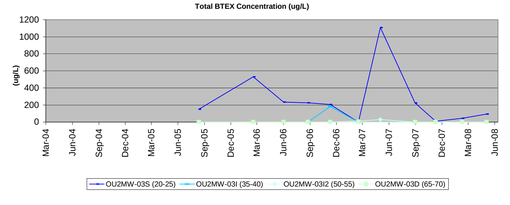


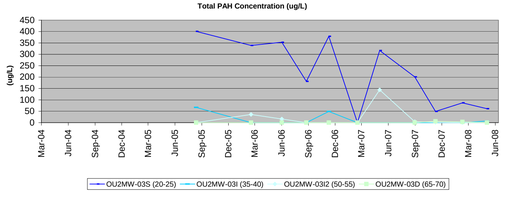




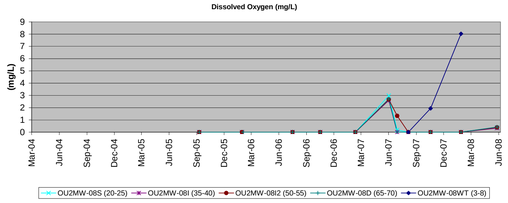
OU2MW-03

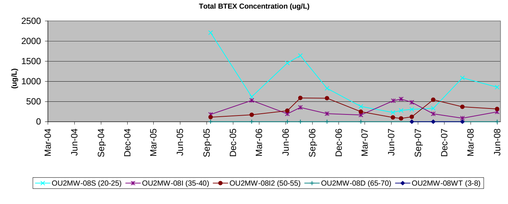


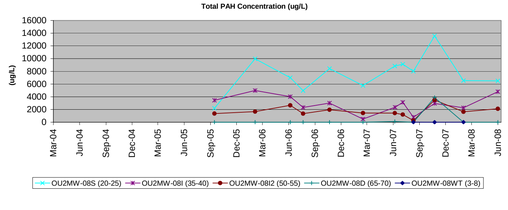


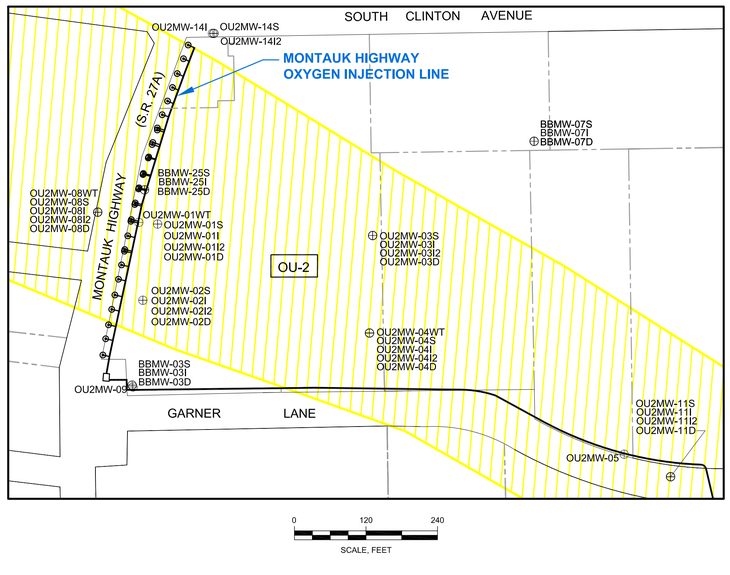


OU2MW-08









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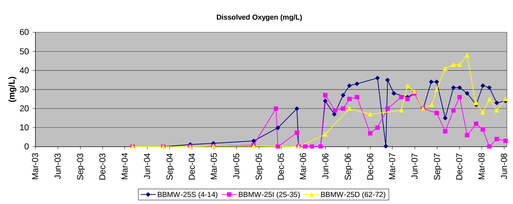

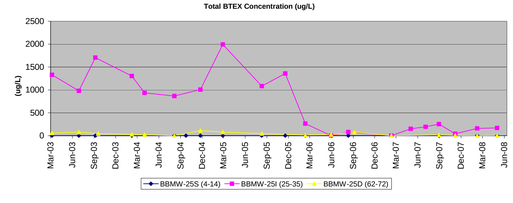

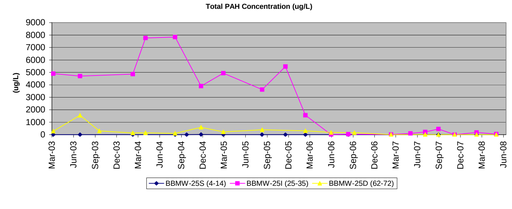

LEGEND:

⊕ OU2MW-08 WT,S,I,I2,D — ACTIVE MONITORING WELL LOCATION WATER TABLE, SHALLOW, INTERMEDIATE, INTERMEDIATE 2, DEEP

SOURCES:

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FORMER MGP SITE
BAY SHORE, NEW YORK

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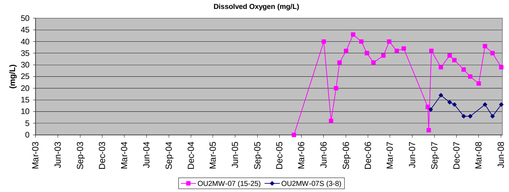
GLASTONBURY, CONNECTICUT 06033

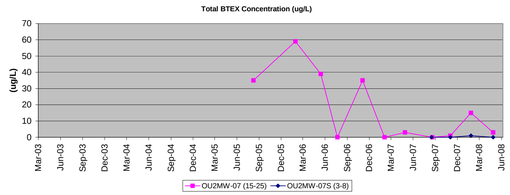
MONTAUK HIGHWAY OXYGEN INJECTION LINE GROUNDWATER DATA

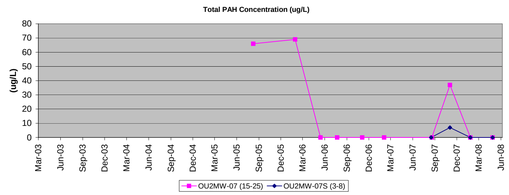
September 2008 — Figure 6

I:\GEI\National Grid\Bay Shore\Groundwater-Quarterly Monitoring\OMM Graphs\ Bay Shore-Graphs Q-2 2008.dwg \Sep 29, 2008

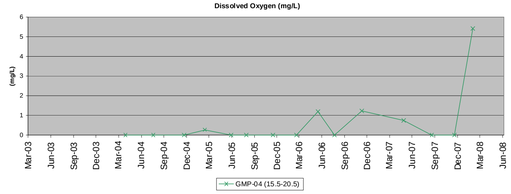
OU2MW-07

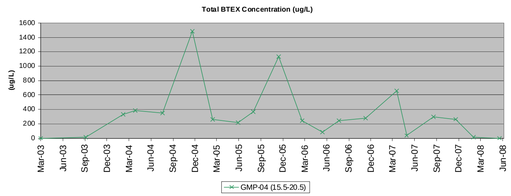


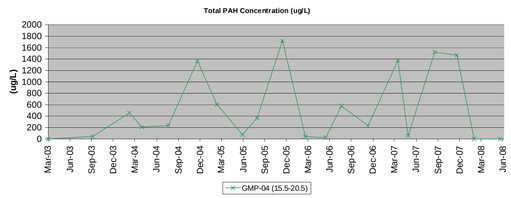




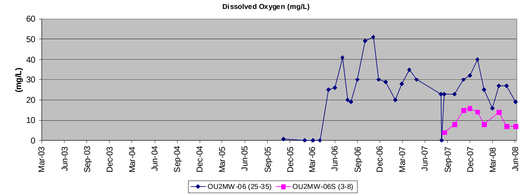
GMP-04

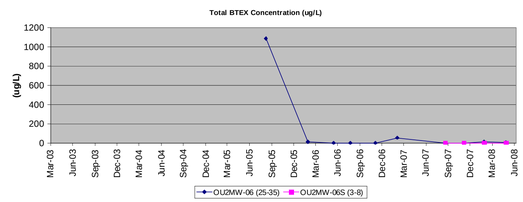


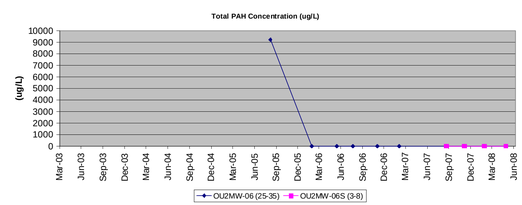




OU2MW-06







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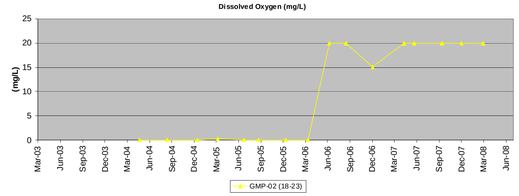

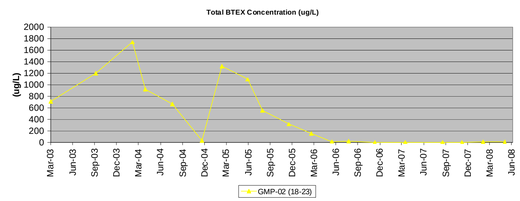

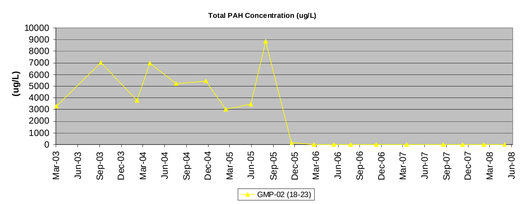

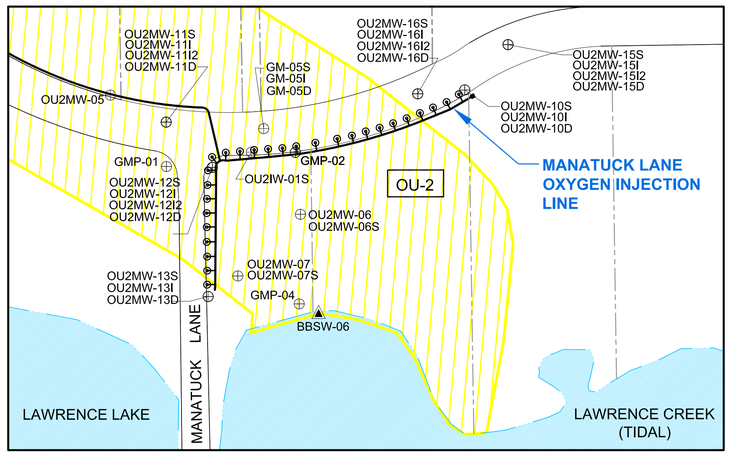

0 100 200

SCALE, FEET

LEGEND:

⊕ S,I,I2,D — ACTIVE MONITORING WELL LOCATION; SHALLOW, INTERMEDIATE, INTERMEDIATE 2, DEEP

▲ BBSW-06 — SURFACE WATER GAUGING STATION LOCATION

SOURCES:

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

nationalgrid

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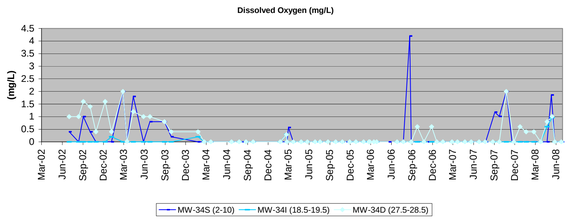
GEI Consultants
455 WINDING BROOK DRIVE
SUITE 201
GLASTONBURY, CONNECTICUT 06033

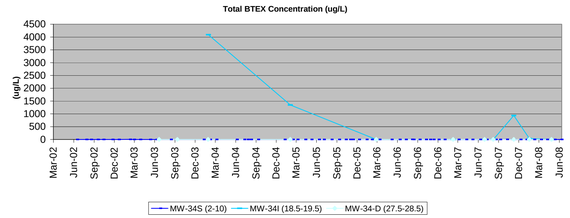
**MANATUCK LANE
OXYGEN INJECTION LINE
GROUNDWATER DATA**

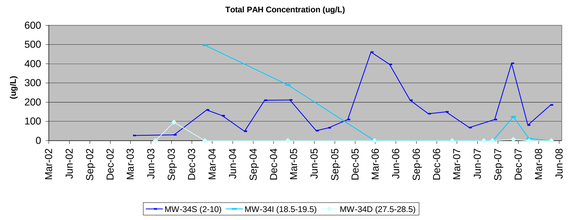
September 2008 Figure 7

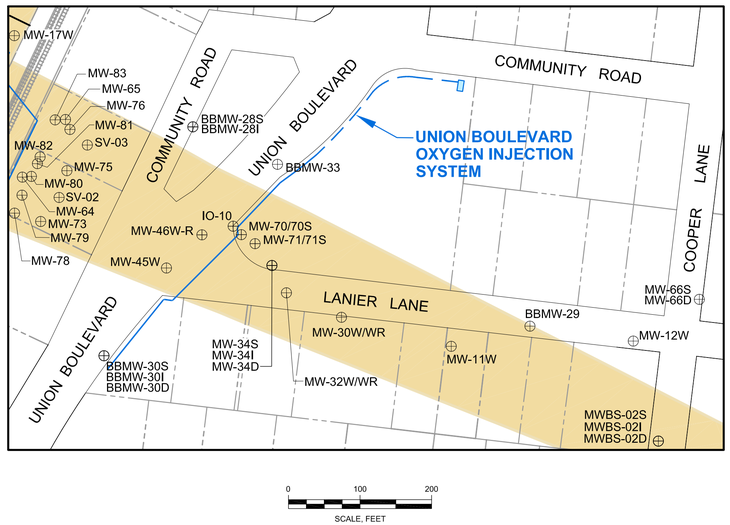
I:\GEI\National Grid\Bay Shore\Groundwater-Quarterly Monitoring\OMM Graphs\ Bay Shore-Graphs Q-2 2008.dwg \Sep 29, 2008

MW-34S, MW-34I, MW-34D

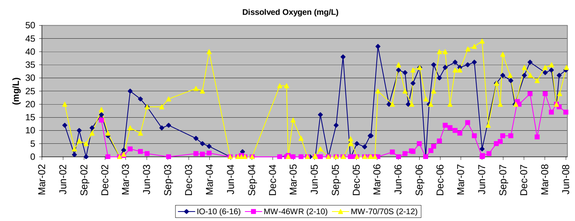


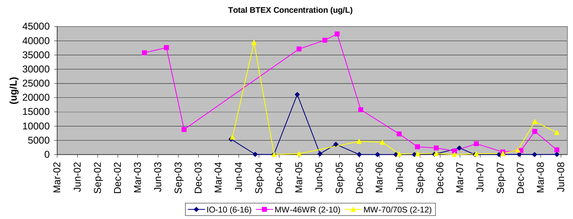


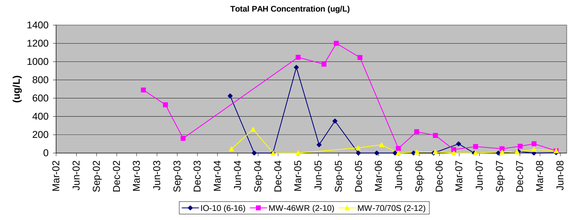




IO-10, MW-46WR, MW-70/70S







LEGEND:

⊕ OU2MW-01 S,I,I2,D	ACTIVE MONITORING WELL LOCATION USED SHALLOW, INTERMEDIATE, INTERMEDIATE 2, 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.

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

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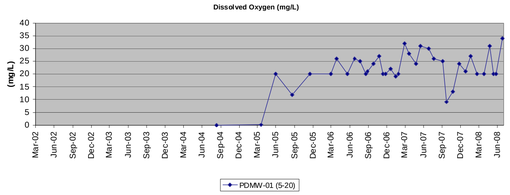
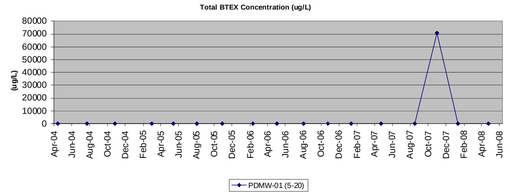
GEI Consultants
455 WINDING BROOK DRIVE
SUITE 201
GLASTONBURY, CONNECTICUT 06033

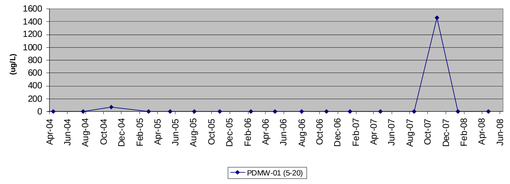
UNION BOULEVARD OXYGEN INJECTION SYSTEM GROUNDWATER DATA

September 2008 Figure 8

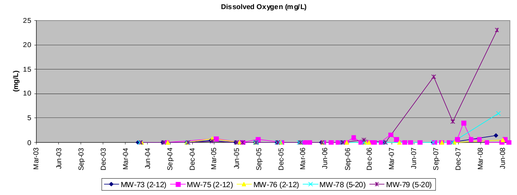
PDMW-01

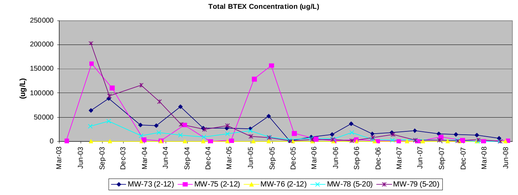


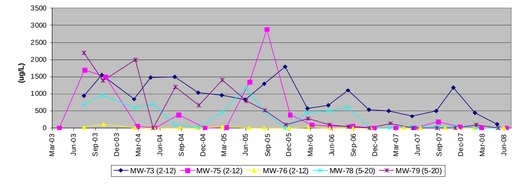




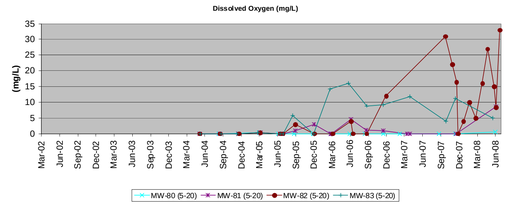
MW-73, MW-75, MW-76, MW-78, MW-79

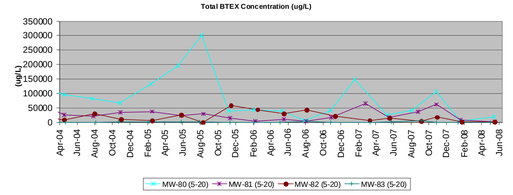


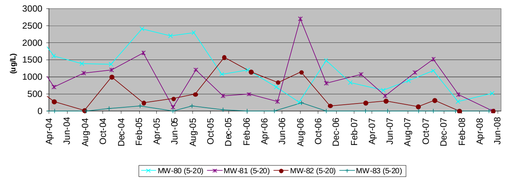




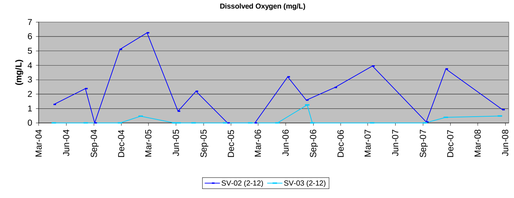
MW-80, MW-81, MW-82, MW-83

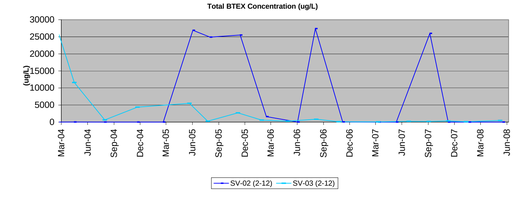


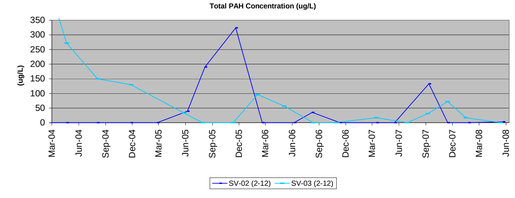


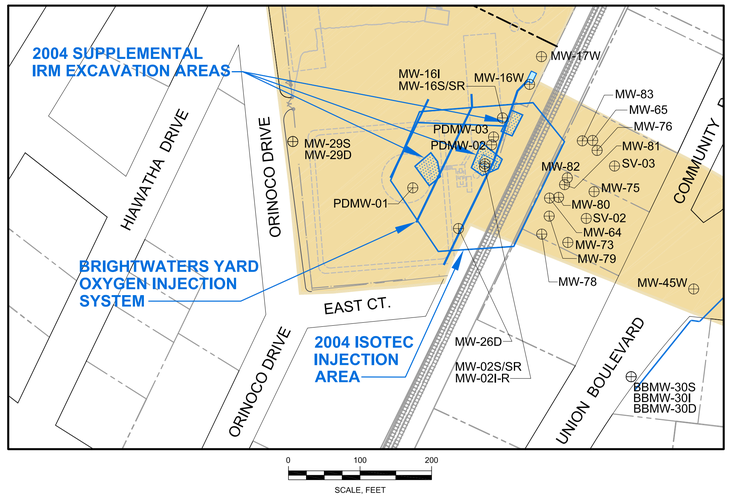


SV-02, SV-03





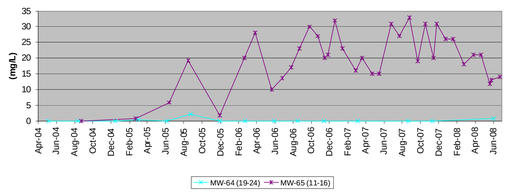


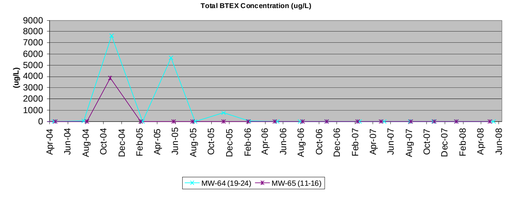


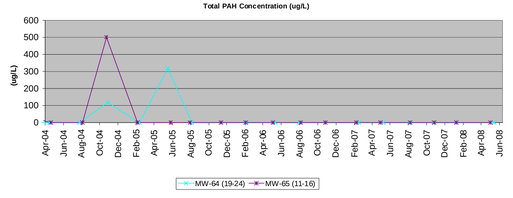
LEGEND:

⊕MW-83 S,I,I2,D	ACTIVE MONITORING WELL LOCATION USED SHALLOW, INTERMEDIATE, INTERMEDIATE 2, DEEP

MW-64, MW-65







SOURCES:

1. MAP TITLED "BAY SHORE/BRIGHTWATERS, FORMER MGP SITE FINAL REMEDIAL INVESTIGATION, BAY SHORE, NEW YORK, OFF-SITE SAMPLE LOCATION MAP" DATED: SEPT. 2002 BY DVIRKA AND BARTILUCCI.
2. FIGURE 2, GROUNDWATER MONITORING WELL AND SURFACE WATER GAUGING STATION LOCATION MAP, BAY SHORE/BRIGHTWATERS FORMER MGP SITE, SCALE: 1"=200', DATED JANUARY 2004, PREPARED BY VANASSE HANGEN BRUSTLIN, INC., MIDDLETOWN, CONNECTICUT.
3. DRAWING C-1, OFF-SITE SAMPLE LOCATION MAP, BAY SHORE/BRIGHTWATERS FINAL REMEDIAL INVESTIGATION, SCALE: 1"=200', DATED OCTOBER 15, 2003, PREPARED BY VANASSE HANGEN BRUSTLIN, INC., MIDDLETOWN, CONNECTICUT.
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BAY SHORE, NEW YORK

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BRIGHTWATERS YARD OXYGEN INJECTION SYSTEM GROUNDWATER DATA

September 2008 Figure 9

I:\GEI\National Grid\Bay Shore\Groundwater-Quarterly Monitoring\OMM Graphs\ Bay Shore-Graphs Q-2 2008.dwg \Sep 29, 2008

Appendices A, B, C and D (electronic only)

Appendix A: OU-1 Oxygen Injection System OM&M Data

Appendix B: OU-2 Oxygen Injection System OM&M Data

Appendix C: OU-3 Oxygen Injection Systems OM&M Data

Appendix D: Soil Vapor Analytical Results

Appendices A, B, C and D (electronic only)

Appendix A: OU-1 Oxygen Injection System OM&M Data

Appendix B: OU-2 Oxygen Injection System OM&M Data

Appendix C: OU-3 Oxygen Injection Systems OM&M Data

Appendix D: Soil Vapor Analytical Results

Appendix A
Table A-1
Operational Data
OU-1 South Oxygen Injection System
Operations, Maintenance and Monitoring Program
Bay Shore/Brightwaters Former MGP Site
Operational Unit No. 1 (OU-1)

Weight of Oxygen Injected through Q1 2007

102 lbs

	Operational Days		Oxygen Injected Per Month (Lbs)
Month 1	Apr-08	30	107
Month 2	May-08	31	155
Month 3	Jun-08	30	150
Total Operational Days In Q2 2008		91	
Total Oxygen in Q2 2008 (Lbs)		411.68	
Running Total Through Q2 2008 (Lbs)		514.12	

			3/26/2008						4/23/2008						5/9/2008						6/5/2008					
	O2%		95						95						95						95					
	R		10.73						10.73						10.73						10.73					
	Temp R (T)		530						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	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 1	Point 1	41	30	42.181	84.361	17.5	32.2	0.454	30	42.181	84.361	17.5	32.2	0.454	25	35.151	70.301	17.5	32.2	0.378	28	39.369	78.737	17.5	32.2	0.424
	Point 4	26	30	34.627	69.254	7	21.7	0.251	32	36.508	73.015	6.5	21.2	0.259	26	30.010	60.020	7	21.7	0.218	28	32.319	64.637	7	21.7	0.234
	Point 5	41	30	39.474	78.948	13.5	28.2	0.372	32	42.106	84.211	13.5	28.2	0.397	28	36.842	73.685	13.5	28.2	0.347	28	36.842	73.685	13.5	28.2	0.347
	Point 8	26	30	34.627	69.254	7.0	21.7	0.251	30	34.627	69.254	7.0	21.7	0.251	28	32.319	64.637	7.0	21.7	0.234	26	30.010	60.020	7.0	21.7	0.218
	Point 9	41	30	39.474	78.948	13.5	28.2	0.372	32	42.106	84.211	13.5	28.2	0.397	28	36.842	73.685	13.5	28.2	0.347	28	36.842	73.685	13.5	28.2	0.347
	Point 12	26	*	*	*	*	*	*	*	*	*	*	*	*	30	34.627	69.254	7	21.7	0.251	28	32.689	65.378	7.5	22.2	0.242
	Point 13	41	*	*	*	*	*	*	*	*	*	*	*	*	30	39.474	78.948	13.5	28.2	0.372	28	37.168	74.335	14	28.7	0.356
	Point 16	26	*	*	*	*	*	*	*	*	*	*	*	*	30	35.024	70.048	7.5	22.2	0.260	30	35.416	70.832	8	22.7	0.269
Total Oxygen Injected per Day (LBS)			**1.700**						**1.757**						**2.407**						**2.437**					
		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	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 2	Point 2	26	30	35.024	70.048	7.5	22.2	0.260	30	42.181	84.361	17.5	32.2	0.454	30	35.024	70.048	7.5	22.2	0.260	28	32.689	65.378	7.5	22.2	0.242
	Point 3	41	30	42.181	84.361	17.5	32.2	0.454	32	36.508	73.015	6.5	21.2	0.259	30	42.181	84.361	17.5	32.2	0.454	30	41.852	83.704	17	31.7	0.443
	Point 6	26	30	35.024	70.048	7.5	22.2	0.260	34	44.737	89.474	13.5	28.2	0.421	30	35.024	70.048	7.5	22.2	0.260	30	35.024	70.048	7.5	22.2	0.260
	Point 7	41	30	39.474	78.948	13.5	28.2	0.372	32	36.936	73.871	7.0	21.7	0.268	30	39.474	78.948	13.5	28.2	0.372	28	36.842	73.685	13.5	28.2	0.347
	Point 10	26	30	35.024	70.048	7.5	22.2	0.260	32	42.106	84.211	13.5	28.2	0.397	30	35.024	70.048	7.5	22.2	0.260	32	37.359	74.717	7.5	22.2	0.277
	Point 11	41	*	*	*	*	*	*	*	*	*	*	*	*	30	39.122	78.245	13	27.7	0.362	30	39.474	78.948	13.5	28.2	0.372
	Point 14	26	*	*	*	*	*	*	*	*	*	*	*	*	30	35.024	70.048	7.5	22.2	0.260	30	35.024	70.048	7.5	22.2	0.260
	Point 15	41	*	*	*	*	*	*	*	*	*	*	*	*	30	39.474	78.948	13.5	28.2	0.372	28	37.168	74.335	14	28.7	0.356
Total Oxygen Injected per Day (LBS)			**1.605**						**1.798**						**2.599**						**2.558**					
System Total Per Day (LBS)			**3.30**						**3.56**						**5.01**						**4.99**					

Notes:
SCFH (M) = Measured flow rate
SCFH (C*) = Flow rate converted for oxygen
CV/D (V) = Volume of oxygen injected
PSI (M) = Measured pressure
PSIa (P) = Pressure converted to atmospheric pressure.
n = PV/RT = Mass of Oxygen
Temperature = Degrees Rankine
R = Constant (0.73)

* Injection points were intentionally turned off due to construction within the vicinity of the injection point.

System Operating Specs

Total of 2 injection banks
Oxygen is injected for 10 minutes during each injection cycle
Each Injection bank operates for 12 injection cycles per day
Each injection point injects oxygen for 120 min per day (10 min per cycle * 12 Cycles)

Example

Bank 1 starts at 7AM
Bank 1 finishes injection at 710AM
System is recharging 710AM to 800AM
Bank 2 starts injection at 800AM
Bank 2 finishes injection at 810AM
System is recharging 810AM to 900AM
Bank 1 starts injection at 900AM
Bank 1 finishes injection at 910AM
System is recharging from 910AM to 10AM
Bank 2 starts injection at 10AM

(Keep repeating cycle for coarse of day)

Appendix B
Table B-1
Operational Data
Garner Lane Oxygen Injection System
Operations, Maintenance, and Monitoring Program
Bay Shore/Brightwaters Former MGP Site
Operational Unit No. 2 (OU-2)

Weight of Oxygen Injected through Q1 2008: 6,362 lbs

	Operational Days		Oxygen Injected Per Month
Month 1	Apr-08	30	265
Month 2	May-08	31	270
Month 3	Jun-08	30	270

Total Operational Days In Q2 2008: 91
Total Oxygen in Q2 2008 (Lbs): 805.48
Running Total Through Q2 2008 (Lbs): 7,167.36

Notes:

SCFH (M) = Measured flow rate
SCFH (C*) = Flow rate converted for oxygen (Flow meters are calibrated for air)
CF/D (V) = Volume of oxygen injected per day
PSI (M) = Measured pressure
PSIa (P) = Pressure converted to atmospheric pressure.
n = PV/RT = Mass of Oxygen
Temperature = Degrees Rankine
R = Constant (0.73)

System Operating Specs
Total of 6 injection banks

Oxygen is injected for 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)

			4/22/2008						6/6/2008						7/8/2008					
		O2%	95						95						95					
		R	10.73						10.73						10.73					
		Temp R (T)	530						530						530					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
MID PLUME Injection Bank 1	Point 1	25	24	29.555	31.525	10	24.7	0.130	24	29.254	31.204	9.5	24.2	0.126	25	30.156	32.167	9	23.7	0.127
	Point 2	25	24	28.333	30.222	8	22.7	0.115	26	30.694	32.740	8	22.7	0.124	30	34.627	36.936	7	21.7	0.134
	Point 3	25	24	28.333	30.222	8	22.7	0.115	28	33.055	35.259	8	22.7	0.134	22	25.684	27.396	7.5	22.2	0.102
	Point 4	25	26	30.694	32.740	8	22.7	0.124	26	30.010	32.011	7	21.7	0.116	28	32.319	34.473	7	21.7	0.125
	Point 5	25	24	28.333	30.222	8	22.7	0.115	24	28.019	29.887	7.5	22.2	0.111	22	25.393	27.086	7	21.7	0.098
	Point 6	25	26	31.363	33.453	9	23.7	0.132	26	30.694	32.740	8	22.7	0.124	26	30.010	32.011	7	21.7	0.116
	Point 7	25	24	28.019	29.887	7.5	22.2	0.111	24	27.702	29.548	7	21.7	0.107	24	27.702	29.548	7	21.7	0.107
	Point 8	25	26	30.694	32.740	8	22.7	0.124	26	30.354	32.378	7.5	22.2	0.120	24	28.019	29.887	7.5	22.2	0.111
	Point 9	50	30	43.152	46.029	19	33.7	0.259	26	37.398	39.892	19	33.7	0.225	24	34.522	36.823	19	33.7	0.207
	Point 10	25	24	28.333	30.222	8	22.7	0.115	26	30.010	32.011	7	21.7	0.116	26	30.010	32.011	7	21.7	0.116
Total Oxygen Injected per Day (LBS)			**1.339**						**1.303**						**1.243**					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
MID PLUME Injection Bank 2	Point 11	25	20	23.611	25.185	8	22.7	0.096	22	25.972	27.703	8	22.7	0.105	24	28.333	30.222	8	22.7	0.115
	Point 12	50	24	34.522	36.823	19	33.7	0.207	22	31.645	33.754	19	33.7	0.190	30	43.152	46.029	19	33.7	0.259
	Point 13	25	24	28.333	30.222	8	22.7	0.115	23	27.152	28.962	8	22.7	0.110	27	31.164	33.242	7	21.7	0.121
	Point 14	68	22	35.201	37.548	27	41.7	0.262	20	32.001	34.134	27	41.7	0.238	25	40.478	43.177	28	42.7	0.308
	Point 15	25	24	28.333	30.222	8	22.7	0.115	20	23.611	25.185	8	22.7	0.096	25	29.513	31.481	8	22.7	0.119
	Point 16	50	20	28.768	30.686	19	33.7	0.173	25	35.960	38.357	19	33.7	0.216	22	31.645	33.754	19	33.7	0.190
	Point 17	25	24	28.333	30.222	8	22.7	0.115	22	25.972	27.703	8	22.7	0.105	22	25.972	27.703	8	22.7	0.105
	Point 18	66	30	49.698	53.011	30	44.7	0.396	30	49.139	52.415	29	43.7	0.383	28	45.863	48.921	29	43.7	0.357
	Point 19	25	20	23.611	25.185	8	22.7	0.096	22	25.972	27.703	8	22.7	0.105	22	25.393	27.086	7	21.7	0.098
	Point 20	50	20	28.768	30.686	19	33.7	0.173	20	28.768	30.686	19	33.7	0.173	25	35.960	38.357	19	33.7	0.216
Total Oxygen Injected per Day (LBS)			**1.745**						**1.720**						**1.888**					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
MID PLUME Injection Bank 3	Point 21	27	24	28.333	30.222	8	22.7	0.115	24	28.950	30.880	9	23.7	0.122	25	29.837	31.826	8.5	23.2	0.123
	Point 22	65.5	28	45.863	48.921	29	43.7	0.357	24	39.311	41.932	29	43.7	0.306	30	48.001	51.202	27	41.7	0.357
	Point 23	25	24	28.333	30.222	8	22.7	0.115	22	25.972	27.703	8	22.7	0.105	22	25.684	27.396	7.5	22.2	0.102
	Point 24	50	28	40.275	42.960	19	33.7	0.242	26	37.398	39.892	19	33.7	0.225	28	40.275	42.960	19	33.7	0.242
	Point 25	25	22	25.972	27.703	8	22.7	0.105	22	25.972	27.703	8	22.7	0.105	22	25.684	27.396	7.5	22.2	0.102
	Point 26	25	24	28.333	30.222	8	22.7	0.115	24	28.333	30.222	8	22.7	0.115	26	30.010	32.011	7	21.7	0.116
	Point 27	25	22	25.393	27.086	7	21.7	0.098	24	27.702	29.548	7	21.7	0.107	24	27.702	29.548	7	21.7	0.107
	Point 28	25	24	28.333	30.222	8	22.7	0.115	22	25.684	27.396	7.5	22.2	0.102	24	27.702	29.548	7	21.7	0.107
	Point 29	25	26	30.694	32.740	8	22.7	0.124	24	28.333	30.222	8	22.7	0.115	24	27.702	29.548	7	21.7	0.107
	Point 30	25	26	30.694	32.740	8	22.7	0.124	26	30.694	32.740	8	22.7	0.124	26	30.010	32.011	7	21.7	0.116
Total Oxygen Injected per Day (LBS)			**1.509**						**1.425**						**1.478**					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
TAIL PLUME Injection Bank 4	Point 1	25	24	28.950	30.880	9	23.7	0.122	24	29.254	31.204	9.5	24.2	0.126	25	30.156	32.167	9	23.7	0.127
	Point 2	27	26	32.017	34.152	10	24.7	0.141	22	27.092	28.898	10	24.7	0.119	25	30.786	32.838	10	24.7	0.135
	Point 3	30	24	30.728	32.776	12	26.7	0.146	22	28.167	30.045	12	26.7	0.134	25	32.008	34.142	12	26.7	0.152
	Point 4	35	26	33.906	36.167	13	27.7	0.167	24	31.298	33.384	13	27.7	0.154	25	32.602	34.776	13	27.7	0.161
	Point 5	35	26	33.906	36.167	13	27.7	0.167	24	31.298	33.384	13	27.7	0.154	25	32.602	34.776	13	27.7	0.161
	Point 6	40	26	35.695	38.075	16	30.7	0.195	22	30.203	32.217	16	30.7	0.165	25	34.322	36.610	16	30.7	0.188
	Point 7	45	26	37.120	39.595	18.5	33.2	0.220	24	34.265	36.549	18.5	33.2	0.203	28	39.673	42.318	18	32.7	0.231
	Point 8	45	26	36.839	39.295	18	32.7	0.215	26	36.839	39.295	18	32.7	0.215	28	39.673	42.318	18	32.7	0.231
	Point 9	45	26	36.839	39.295	18	32.7	0.215	26	36.839	39.295	18	32.7	0.215	28	39.673	42.318	18	32.7	0.231
	Point 10	45	26	36.839	39.295	18	32.7	0.215	26	36.839	39.295	18	32.7	0.215	26	36.839	39.295	18	32.7	0.215
Total Oxygen Injected per Day (LBS)			**1.803**						**1.700**						**1.833**					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
TAIL PLUME Injection Bank 5	Point 11	45	26	37.120	39.595	18.5	33.2	0.220	24	34.265	36.549	18.5	33.2	0.203	25	35.960	38.357	19	33.7	0.216
	Point 12	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 13	45	24	34.522	36.823	19	33.7	0.207	26	37.398	39.892	19	33.7	0.225	26	37.398	39.892	19	33.7	0.225
	Point 14	40	24	32.949	35.146	16	30.7	0.180	24	32.949	35.146	16	30.7	0.180	22	30.203	32.217	16	30.7	0.165
	Point 15	35	24	31.858	33.982	14	28.7	0.163	26	35.109	37.449	15	29.7	0.186	28	37.168	39.645	14	28.7	0.190
	Point 16	35	24	32.408	34.569	15	29.7	0.172	26	35.109	37.449	15	29.7	0.186	28	37.810	40.330	15	29.7	0.200
	Point 17	35	24	31.858	33.982	14	28.7	0.163	26	34.513	36.814	14	28.7	0.176	28	37.168	39.645	14	28.7	0.190
	Point 18	35	26	33.906	36.167	13	27.7	0.167	26	33.906	36.167	13	27.7	0.167	25	32.602	34.776	13	27.7	0.161
	Point 19	35	24	31.579	33.684	13.5	28.2	0.159	24	31.298	33.384	13	27.7	0.154	25	33.185	35.398	14	28.7	0.170
	Point 20	30	24	30.147	32.157	11	25.7	0.138	24	30.147	32.157	11	25.7	0.138	25	32.008	34.142	12	26.7	0.152
Total Oxygen Injected per Day (LBS)			**1.569**						**1.616**						**1.669**					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
TAIL PLUME Injection Bank 6	Point 21	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 22	30	26	32.659	34.836	11	25.7	0.150	26	32.659	34.836	11	25.7	0.150	25	31.403	33.497	11	25.7	0.144
	Point 23	30	28	35.171	37.516	11	25.7	0.161	28	35.171	37.516	11	25.7	0.161	25	31.403	33.497	11	25.7	0.144
	Point 24	25	24	28.950	30.880	9	23.7	0.122	26	31.363	33.453	9	23.7	0.132	28	33.775	36.027	9	23.7	0.143
	Point 25	25	24	32.949	35.146	16	30.7	0.180	26	37.120	39.595	18.5	33.2	0.220	28	37.168	39.645	14	28.7	0.190
	Point 26	25	24	29.555	31.525	10	24.7	0.130	26	32.017	34.152	10	24.7	0.141	26	32.017	34.152	10	24.7	0.141
	Point 27	25	26	31.363	33.453	9	23.7	0.132	26	31.692	33.805	9.5	24.2	0.137	28	33.775	36.027	9	23.7	0.143
	Point 27A	26	24	30.147	32.157	11	25.7	0.138	24	30.147	32.157	11	25.7	0.138	22	27.635	29.477	11	25.7	0.127
	Point 27B	35	24	31.298	33.384	13	27.7	0.154	24	31.858	33.982	14	28.7	0.163	22	29.203	31.150	14	28.7	0.149
	Point 27C	35	24	31.858	33.982	14	28.7	0.163	22	29.203	31.150	14	28.7	0.149	22	29.203	31.150	14	28.7	0.149
Total Oxygen Injected per Day (LBS)			**0.876**						**0.940**						**0.904**					
System Total Per Day (LBS)			**8.84**						**8.70**						**9.02**					

Appendix C
Table C-1
Operational Data
Union Boulevard Oxygen Injection System
Operations, Maintenance and Monitoring Program
Bay Shore/Brightwaters Former MGP Site
Operational Unit No. 3 (OU-3)

Weight of Oxygen Injected through Q1 2008

2,978 lbs

	Operational Days		Oxygen Injected Per Month (Lbs)
Month 1	Apr-08	30	124
Month 2	May-08	31	129
Month 3	Jun-08	30	121
Total Operational Days In Q2 2008			91
Total Oxygen in Q2 2008 (Lbs)			373.94
Running Total Through Q2 2008 (Lbs)			3,351.54

			4/8/2008						6/4/2008						7/9/2008					
O2%			95						95						95					
R			10.73						10.73						10.73					
Temp R (T)			530						530						530					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 1	Point 1	-	40	45.093	90.186	6.0	20.7	0.312	32	35.636	71.272	5.5	20.2	0.241	34	37.863	75.727	5.5	20.2	0.256
	Point 2	-	37	41.711	83.422	6.0	20.7	0.288	34	38.329	76.658	6.0	20.7	0.265	34	37.863	75.727	5.5	20.2	0.256
	Point 3	-	33	37.202	74.404	6.0	20.7	0.257	34	38.329	76.658	6.0	20.7	0.265	34	37.863	75.727	5.5	20.2	0.256
	Point 4	-	35	39.456	78.913	6.0	20.7	0.273	36	41.071	82.142	6.5	21.2	0.291	38	42.838	85.677	6.0	20.7	0.296
	Point 5	-	32	36.074	72.149	6.0	20.7	0.249	40	45.093	90.186	6.0	20.7	0.312	38	42.318	84.636	5.5	20.2	0.286
	Point 6	-	33	37.202	74.404	6.0	20.7	0.257	36	41.071	82.142	6.5	21.2	0.291	36	40.584	81.168	6.0	20.7	0.281
	Point 7	-	34	38.329	76.658	6.0	20.7	0.265	34	39.244	78.488	7.0	21.7	0.285	34	38.789	77.579	6.5	21.2	0.275
	Point 8	-	30	33.820	67.640	6.0	20.7	0.234	30	34.226	68.452	6.5	21.2	0.242	30	34.226	68.452	6.5	21.2	0.242
Total Oxygen Injected per Day (LBS)			**2.136**						**2.191**						**2.146**					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 2	Point 9	-	30	33.820	67.640	6.0	20.7	0.234	34	38.329	76.658	6.0	20.7	0.265	30	33.820	67.640	6.0	20.7	0.234
	Point 10	-	40	45.093	90.186	6.0	20.7	0.312	32	36.508	73.015	6.5	21.2	0.259	32	36.074	72.149	6.0	20.7	0.249
	Point 11	-	34	38.329	76.658	6.0	20.7	0.265	34	37.863	75.727	5.5	20.2	0.256	32	35.636	71.272	5.5	20.2	0.241
	Point 12	-	32	36.074	72.149	6.0	20.7	0.249	32	36.074	72.149	6.0	20.7	0.249	32	36.074	72.149	6.0	20.7	0.249
	Point 13	-	31	34.947	69.894	6.0	20.7	0.242	32	35.636	71.272	5.5	20.2	0.241	34	37.863	75.727	5.5	20.2	0.256
	Point 14	-	31	34.947	69.894	6.0	20.7	0.242	32	35.636	71.272	5.5	20.2	0.241	30	32.993	65.986	5.0	19.7	0.217
	Point 15	-	31	34.947	69.894	6.0	20.7	0.242	30	33.409	66.818	5.5	20.2	0.225	30	32.993	65.986	5.0	19.7	0.217
	Point 16	-	29	32.692	65.385	6.0	20.7	0.226	30	33.409	66.818	5.5	20.2	0.225	30	32.993	65.986	5.0	19.7	0.217
Total Oxygen Injected per Day (LBS)			**2.011**						**1.961**						**1.880**					
System Total Per Day (LBS)			**4.15**						**4.15**						**4.03**					

Notes:
SCFH (M) = Measured flow rate
SCFH (C*) = Flow rate converted for oxygen
CV/D (V) = Volume of oxygen injected
PSI (M) = Measured pressure
PSIa (P) = Pressure converted to atmospheric pressure.
n = PV/RT = Mass of Oxygen
Temperature = Degrees Rankine
R = Constant (0.73)

System Operating Specs

Total of 2 injection banks
Oxygen is injected for 10 minutes during each injection cycle
Each Injection bank operates for 12 injection cycles per day
Each injection point injects oxygen for 120 min per day (10 min per cycle * 12 Cycles)

Example
Bank 1 starts at 7AM
Bank 1 finishes injection at 710AM
System is recharging 710AM to 800AM
Bank 2 starts injection at 800AM
Bank 2 finishes injection at 810AM
System is recharging 810AM to 900AM
Bank 1 starts injection at 900AM
Bank 1 finishes injection at 910AM
System is recharging from 910AM to 10AM
Bank 2 starts injection at 10AM

(Keep repeating cycle for coarse of day)

Appendix C
Table C-2
Operational Data
Brightwaters Oxygen Injection System
Operations, Maintenance, and Monitoring Program
Bay Shore/Brightwaters Former MGP Site
Operational Unit No. 3 (OU-3)

Weight of Oxygen Injected through Q1 2008 5,354 lbs

	Operational Days		Oxygen Injected Per Month (Lbs)
Month 1	Apr-08	30	143
Month 2	May-08	31	160
Month 3	Jun-08	30	161

Total Operational Days In Q2 2008 91
Total Oxygen in Q2 2008 (Lbs) 464.08
Running Total Through Q2 2008 (Lbs) 5,817.65

Notes:
SCFH (M) = Measured flow rate
SCFH (C*) = Flow rate converted for oxygen (Flow meters are calibrated for air)
CF/D (V) = Volume of oxygen injected per day
PSI (M) = Measured pressure
PSIa (P) = Pressure converted to atmospheric pressure.
n = PV/RT = Mass of Oxygen
Temperature = Degrees Rankine
R = Constant (0.73)

System Operating Specs
Total of 4 injection banks
Oxygen is injected for 16 minutes during each injection cycle
Each Injection bank operates for 4 injection cycles per day
Each injection point injects oxygen for 64 min per day (16 min per cycle * 4 Cycles)

Example
Bank 1 starts at 7AM
Bank 1 finishes injection at 716AM
System is recharging 716AM to 830AM

Bank 2 starts injection at 830AM
Bank 2 finishes injection at 846AM
System is recharging 846AM to 1000AM
Bank 3 starts injection at 1000AM
Bank 3 finishes injection at 1016AM
System is recharging from 1016AM to 1130AM
Bank 4 starts injection at 1130AM

Bank 4 Finishes injection at 1146AM

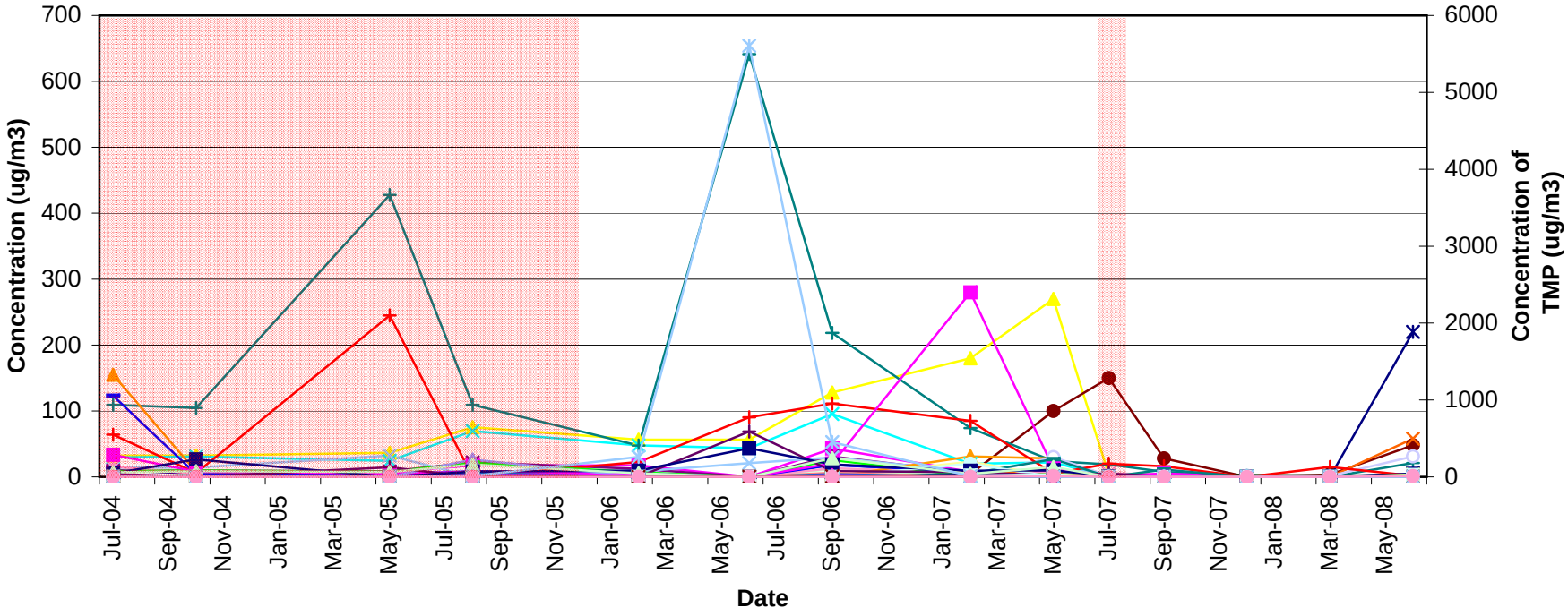
System is recharging from 1146AM to 100PM

(Keep repeating cycle for coarse of day)

			4/8/2008						6/3/2008						7/2/2008					
		O2%	95						95						95					
		R	10.73						10.73						10.73					
		Temp R (T)	530						530						530					
	Depth		SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 1	Point 1	-	37	40.691	43.404	5.0	19.7	0.143	34	37.863	40.388	5.5	20.2	0.136	36	39.591	42.231	5.0	19.7	0.139
	Point 2	-	34	36.430	38.859	4.0	18.7	0.121	34	37.392	39.885	5.0	19.7	0.131	40	43.429	46.324	4.5	19.2	0.149
	Point 3	-	33	36.292	38.712	5.0	19.7	0.127	32	35.192	37.538	5.0	19.7	0.124	40	43.429	46.324	4.5	19.2	0.149
	Point 4	-	35	39.456	42.087	6.0	20.7	0.146	34	37.863	40.388	5.5	20.2	0.136	40	44.545	47.515	5.5	20.2	0.160
	Point 5	-	37	39.645	42.288	4.0	18.7	0.132	34	36.430	38.859	4.0	18.7	0.121	40	42.859	45.717	4.0	18.7	0.143
	Point 6	-	35	38.492	41.058	5.0	19.7	0.135	34	36.914	39.375	4.5	19.2	0.126	38	41.257	44.008	4.5	19.2	0.141
	Point 7	-	34	38.329	40.884	6.0	20.7	0.141	32	35.636	38.012	5.5	20.2	0.128	40	44.545	47.515	5.5	20.2	0.160
	Point 8	-	32	36.936	39.398	7.0	21.7	0.143	34	39.244	41.860	7.0	21.7	0.152	36	41.553	44.323	7.0	21.7	0.161
	Point 9	-	31	35.781	38.167	7.0	21.7	0.138	36	41.553	44.323	7.0	21.7	0.161	36	41.553	44.323	7.0	21.7	0.161
	Point 10	-	34	38.329	40.884	6.0	20.7	0.141	34	37.863	40.388	5.5	20.2	0.136	36	40.091	42.763	5.5	20.2	0.144
Total Oxygen Injected per Day (LBS)			**1.368**						**1.352**						**1.506**					
	Depth		SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 2	Point 11	-	40	47.221	50.369	8.0	22.7	0.191	36	42.029	44.830	7.5	22.2	0.166	32	37.359	39.849	7.5	22.2	0.148
	Point 12	-	34	36.430	38.859	4.0	18.7	0.121	36	39.086	41.691	4.5	19.2	0.134	30	32.571	34.743	4.5	19.2	0.111
	Point 13	-	35	39.456	42.087	6.0	20.7	0.146	36	40.091	42.763	5.5	20.2	0.144	32	35.636	38.012	5.5	20.2	0.128
	Point 14	-	37	41.711	44.492	6.0	20.7	0.154	36	39.591	42.231	5.0	19.7	0.139	34	37.392	39.885	5.0	19.7	0.131
	Point 15	-	32	36.936	39.398	7.0	21.7	0.143	34	38.789	41.375	6.5	21.2	0.147	36	41.071	43.809	6.5	21.2	0.155
	Point 16	-	32	36.936	39.398	7.0	21.7	0.143	32	36.936	39.398	7.0	21.7	0.143	34	39.244	41.860	7.0	21.7	0.152
	Point 17	-	32	36.936	39.398	7.0	21.7	0.143	32	36.508	38.941	6.5	21.2	0.138	32	36.508	38.941	6.5	21.2	0.138
	Point 18	-	32	36.936	39.398	7.0	21.7	0.143	30	33.820	36.074	6.0	20.7	0.125	31	34.947	37.277	6	20.7	0.129
	Point 19	-	32	37.777	40.296	8.0	22.7	0.153	32	36.936	39.398	7.0	21.7	0.143	32	36.936	39.398	7.0	21.7	0.143
	Point 20	-	32	36.936	39.398	7.0	21.7	0.143	30	33.820	36.074	6.0	20.7	0.125	34	38.329	40.884	6	20.7	0.141
Total Oxygen Injected per Day (LBS)			**1.479**						**1.403**						**1.377**					
	Depth		SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 3	Point 21	-	30	34.627	36.936	7.0	21.7	0.134	36	41.071	43.809	6.5	21.2	0.155	40	45.634	48.677	6.5	21.2	0.172
	Point 22	-	30	34.627	36.936	7.0	21.7	0.134	36	41.071	43.809	6.5	21.2	0.155	40	45.634	48.677	6.5	21.2	0.172
	Point 23	-	30	33.820	36.074	6.0	20.7	0.125	36	40.584	43.289	6.0	20.7	0.150	40	45.093	48.099	6.0	20.7	0.166
	Point 24	-	28	32.319	34.473	7.0	21.7	0.125	38	42.838	45.694	6.0	20.7	0.158	42	47.348	50.504	6	20.7	0.175
	Point 25	-	30	33.820	36.074	6.0	20.7	0.125	36	40.584	43.289	6.0	20.7	0.150	38	42.838	45.694	6	20.7	0.158
	Point 26	-	30	33.820	36.074	6.0	20.7	0.125	38	42.838	45.694	6.0	20.7	0.158	40	45.093	48.099	6.0	20.7	0.166
	Point 27	-	30	32.993	35.192	5.0	19.7	0.116	38	41.791	44.577	5.0	19.7	0.147	40	43.990	46.923	5.0	19.7	0.154
	Point 28	-	30	33.820	36.074	6.0	20.7	0.125	38	41.791	44.577	5.0	19.7	0.147	38	41.791	44.577	5.0	19.7	0.147
	Point 29	-	30	33.820	36.074	6.0	20.7	0.125	38	42.318	45.139	5.5	20.2	0.152	40	44.545	47.515	5.5	20.2	0.160
	Point 30	-	30	33.820	36.074	6.0	20.7	0.125	38	42.318	45.139	5.5	20.2	0.152	40	44.545	47.515	5.5	20.2	0.160
Total Oxygen Injected per Day (LBS)			**1.257**						**1.524**						**1.632**					
	Depth		SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 4	Point 31	-	31	34.947	37.277	6.0	20.7	0.129	40	45.634	48.677	6.5	21.2	0.172	40	45.093	48.099	6.0	20.7	0.166
	Point 32	-	32	35.192	37.538	5.0	19.7	0.124	40	43.990	46.923	5.0	19.7	0.154	40	43.990	46.923	5	19.7	0.154
	Point 10A	-	32	37.777	40.296	8.0	22.7	0.153	40	47.221	50.369	8.0	22.7	0.191	42	49.582	52.888	8.0	22.7	0.201
	Point 11A	-	30	35.416	37.777	8.0	22.7	0.143	40	47.221	50.369	8.0	22.7	0.191	40	47.221	50.369	8.0	22.7	0.191
	Point 11B	-	30	32.993	35.192	5.0	19.7	0.116	40	44.545	47.515	5.5	20.2	0.160	40	43.990	46.923	5.0	19.7	0.154
Total Oxygen Injected per Day (LBS)			**0.664**						**0.869**						**0.867**					
System Total Per Day (LBS)			**4.77**						**5.15**						**5.38**					

Appendix D
Soil Vapor Analytical Results
Operable Unit No. 2
Bay Shore/Brightwaters Former MGP Site

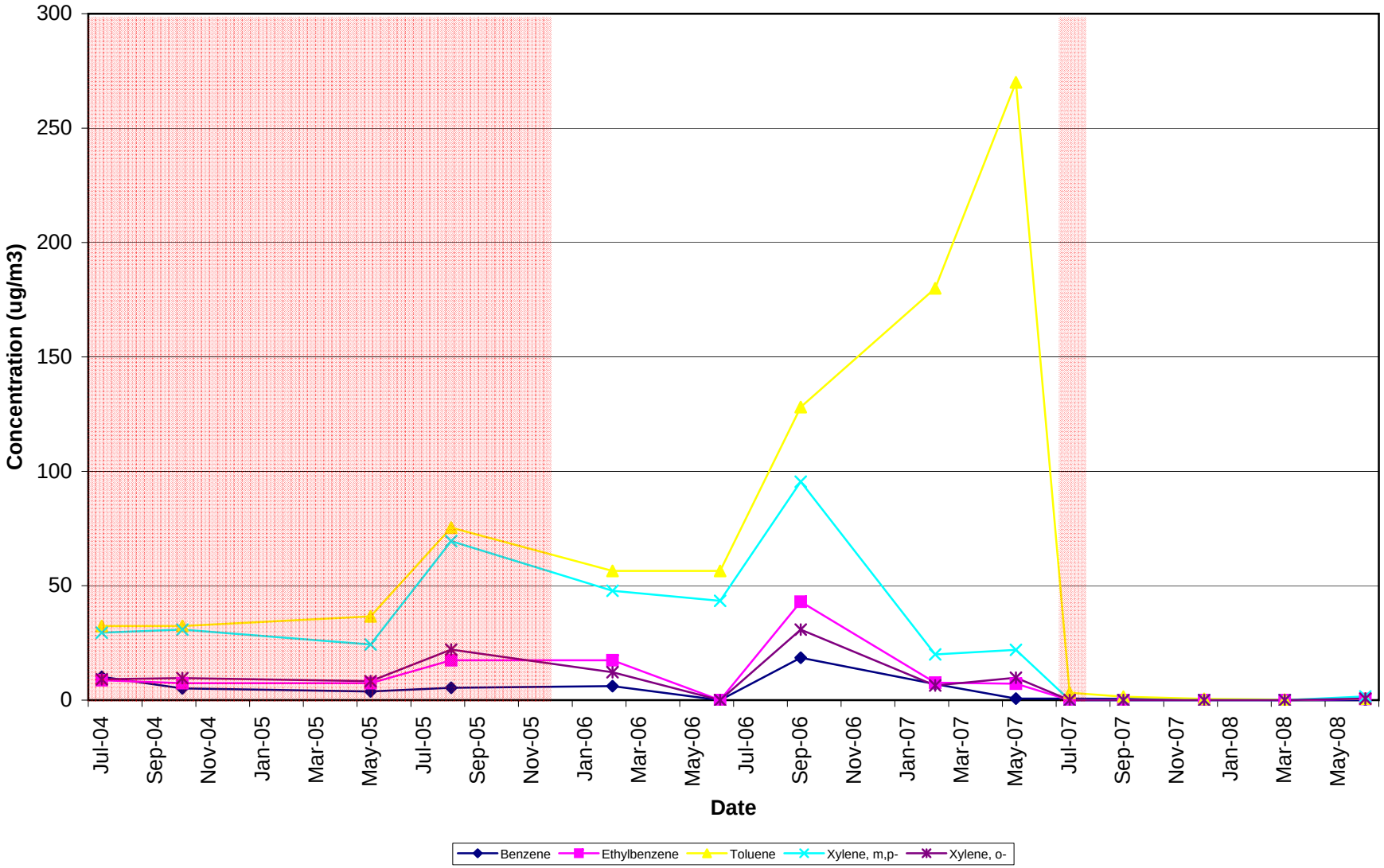
OU2SG01



Benzene	Ethylbenzene	Toluene	Xylene, m,p-	Xylene, o-
Acetaldehyde	Acetone	Acrolein (propenal)	Benzothiophene	Bromodichloromethane
Butadiene, 1,3-	Butane	Butanone,2-	Carbon disulfide	Carbon tetrachloride
Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Cryofluorane
Cyclohexane	Decane, n-	Dibromochloromethane	Dichlorobenzene,1,2-	Dichlorobenzene,1,3-
Dichlorobenzene,1,4-	Dichlorodifluoromethane	Dichloroethane,1,1-	Dichloroethane,1,2-	Dichloroethene, cis-1,2-
Dichloroethene,1,1-	Dioxane,1,4-	Dodecane, n-	Ethanol	Ethyltoluene, p-
Heptane, n-	Hexachlorobutadiene	Hexane, n-	Hexanone,2-	Indan
Indene	Isopropyl benzene	Methyl tert-butyl ether	Methyl-2-pentanone,4-	Methylene chloride
Methylnaphthalene,1-	Methylnaphthalene,2-	Naphthalene	Nonane	Octane, n-
Pentane	Propanol,2-	Propylbenzene, n-	Styrene	t-Butyl alcohol
Tetrachloroethene	Tetrahydrofuran	Tetramethylbenzene, 1,2,4,5-	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-	

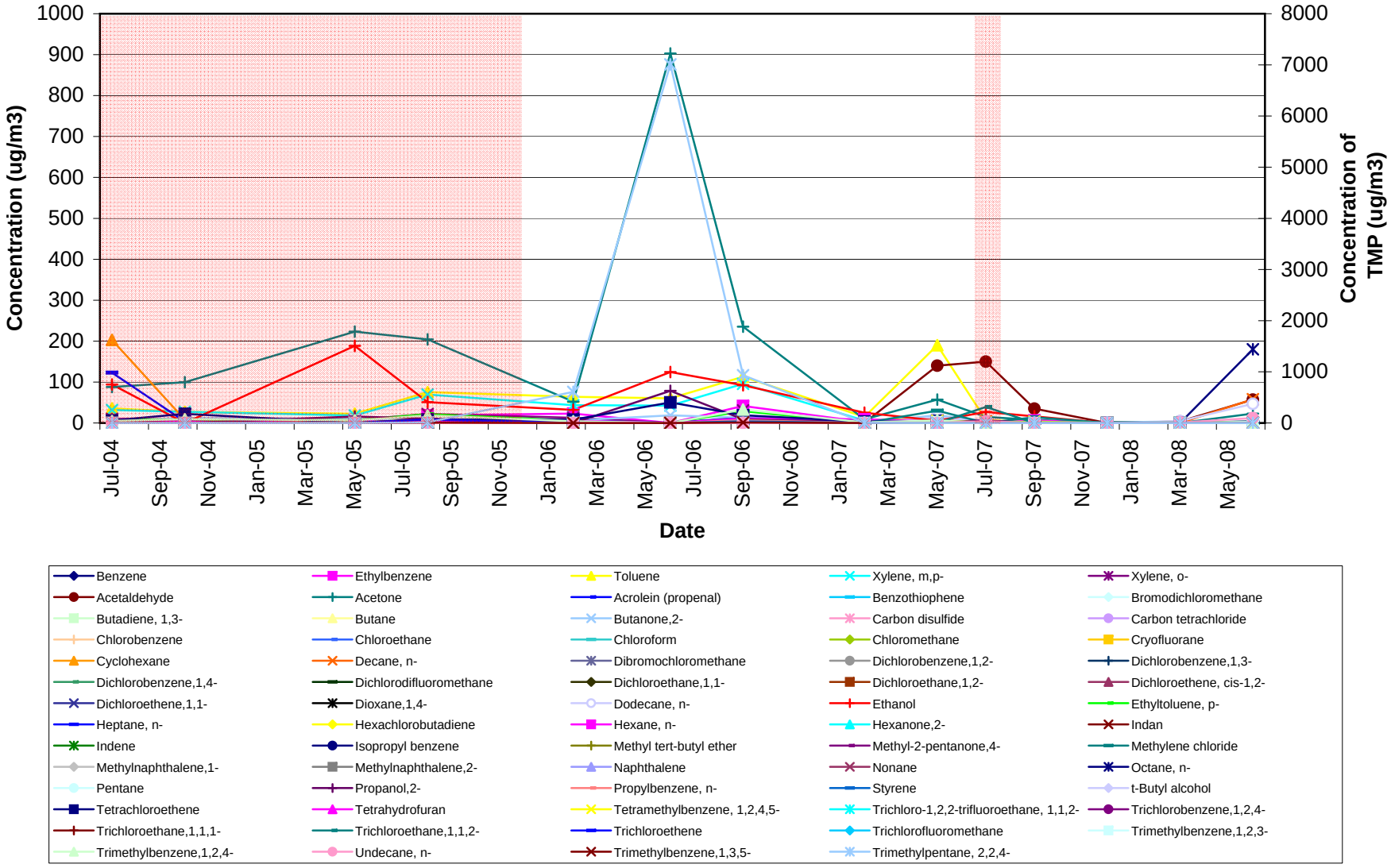
Appendix D
Soil Vapor Analytical Results
Operable Unit No. 2
Bay Shore/Brightwaters Former MGP Site

OU2SG01 BTEX



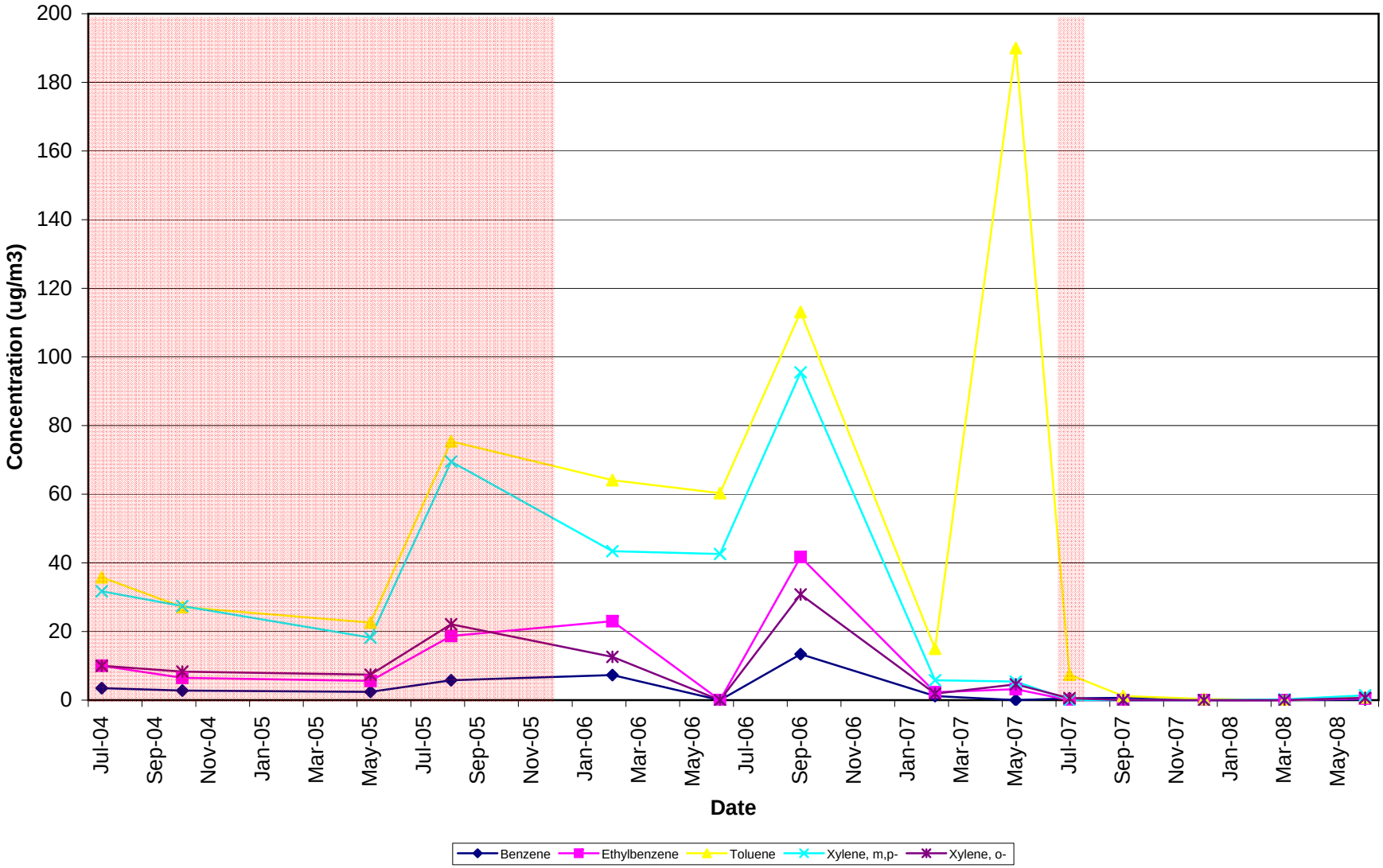
Appendix D
Soil Vapor Analytical Results
Operable Unit No. 2
Bay Shore/Brightwaters Former MGP Site

OU2SG02



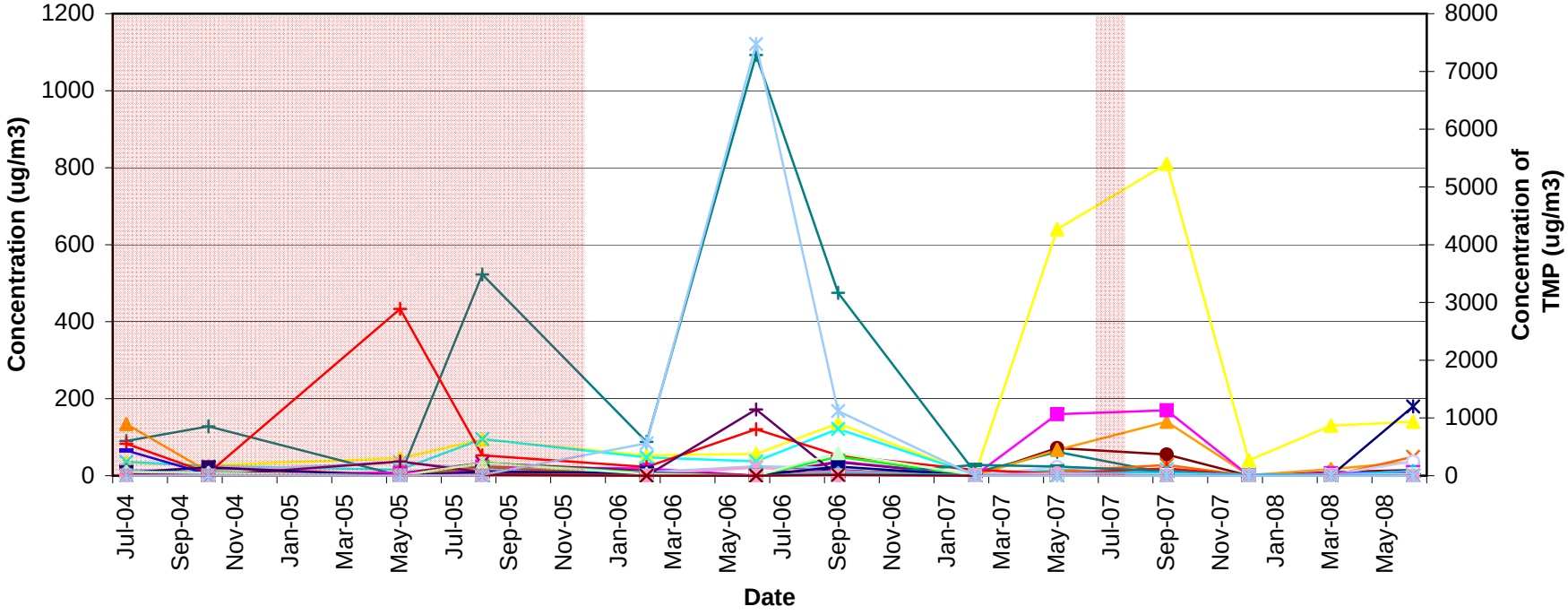
Appendix D
Soil Vapor Analytical Results
Operable Unit No. 2
Bay Shore/Brightwaters Former MGP Site

OU2SG02 BTEX



Appendix D
Soil Vapor Analytical Results
Operable Unit No. 2
Bay Shore/Brightwaters Former MGP Site

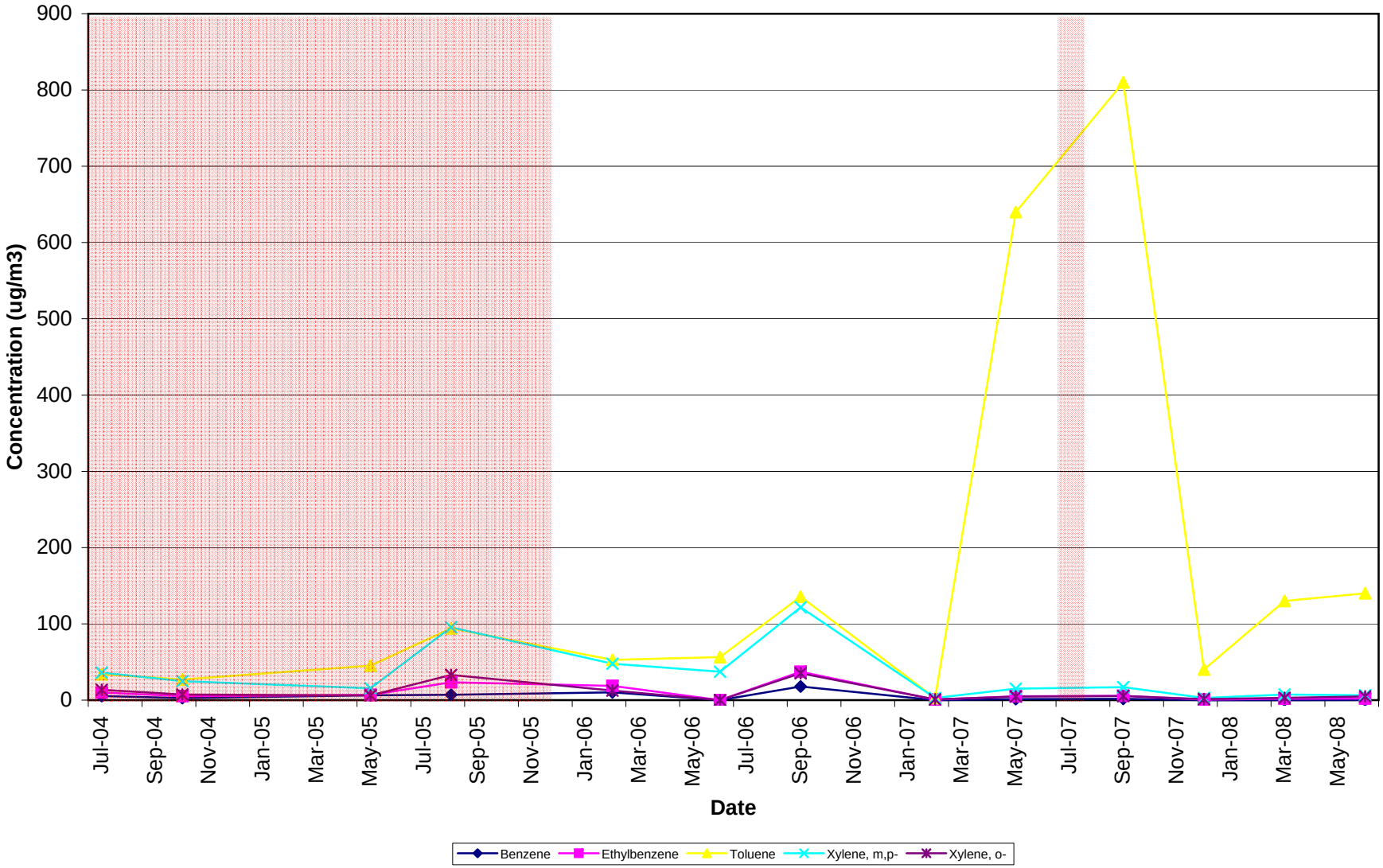
OU2SG03



Benzene	Ethylbenzene	Toluene	Xylene, m,p-	Xylene, o-
Acetaldehyde	Acetone	Acrolein (propenal)	Benzothiophene	Bromodichloromethane
Butadiene, 1,3-	Butane	Butanone,2-	Carbon disulfide	Carbon tetrachloride
Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Cryofluorane
Cyclohexane	Decane, n-	Dibromochloromethane	Dichlorobenzene,1,2-	Dichlorobenzene,1,3-
Dichlorobenzene,1,4-	Dichlorodifluoromethane	Dichloroethane,1,1-	Dichloroethane,1,2-	Dichloroethene, cis-1,2-
Dichloroethene,1,1-	Dioxane,1,4-	Dodecane, n-	Ethanol	Ethyltoluene, p-
Heptane, n-	Hexachlorobutadiene	Hexane, n-	Hexanone,2-	Indan
Indene	Isopropyl benzene	Methyl tert-butyl ether	Methyl-2-pentanone,4-	Methylene chloride
Methylnaphthalene,1-	Methylnaphthalene,2-	Naphthalene	Nonane	Octane, n-
Pentane	Propanol,2-	Propylbenzene, n-	Styrene	t-Butyl alcohol
Tetrachloroethene	Tetrahydrofuran	Tetramethylbenzene, 1,2,4,5-	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-	Undecane, n-	Trimethylbenzene,1,3,5-	Trimethylpentane, 2,2,4-	

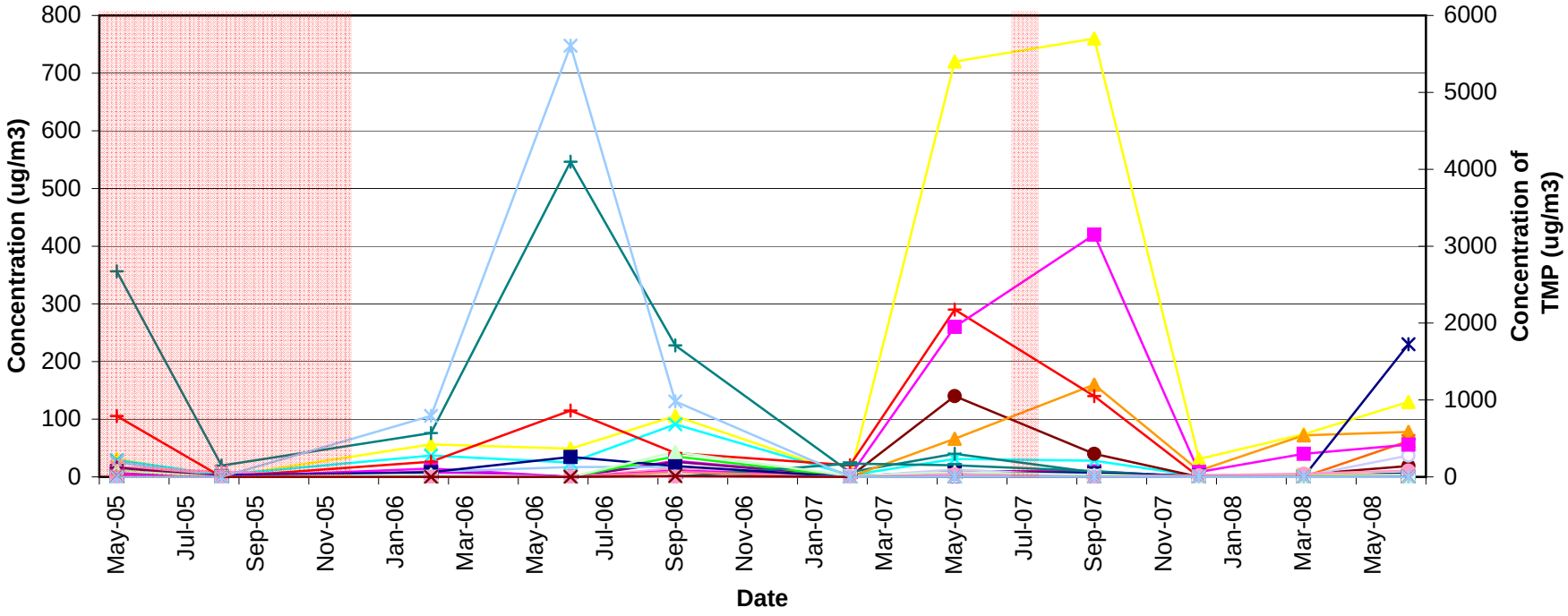
Appendix D
Soil Vapor Analytical Results
Operable Unit No. 2
Bay Shore/Brightwaters Former MGP Site

OU2SG03 BTEX



Appendix D
Soil Vapor Analytical Results
Operable Unit No. 2
Bay Shore/Brightwaters Former MGP Site

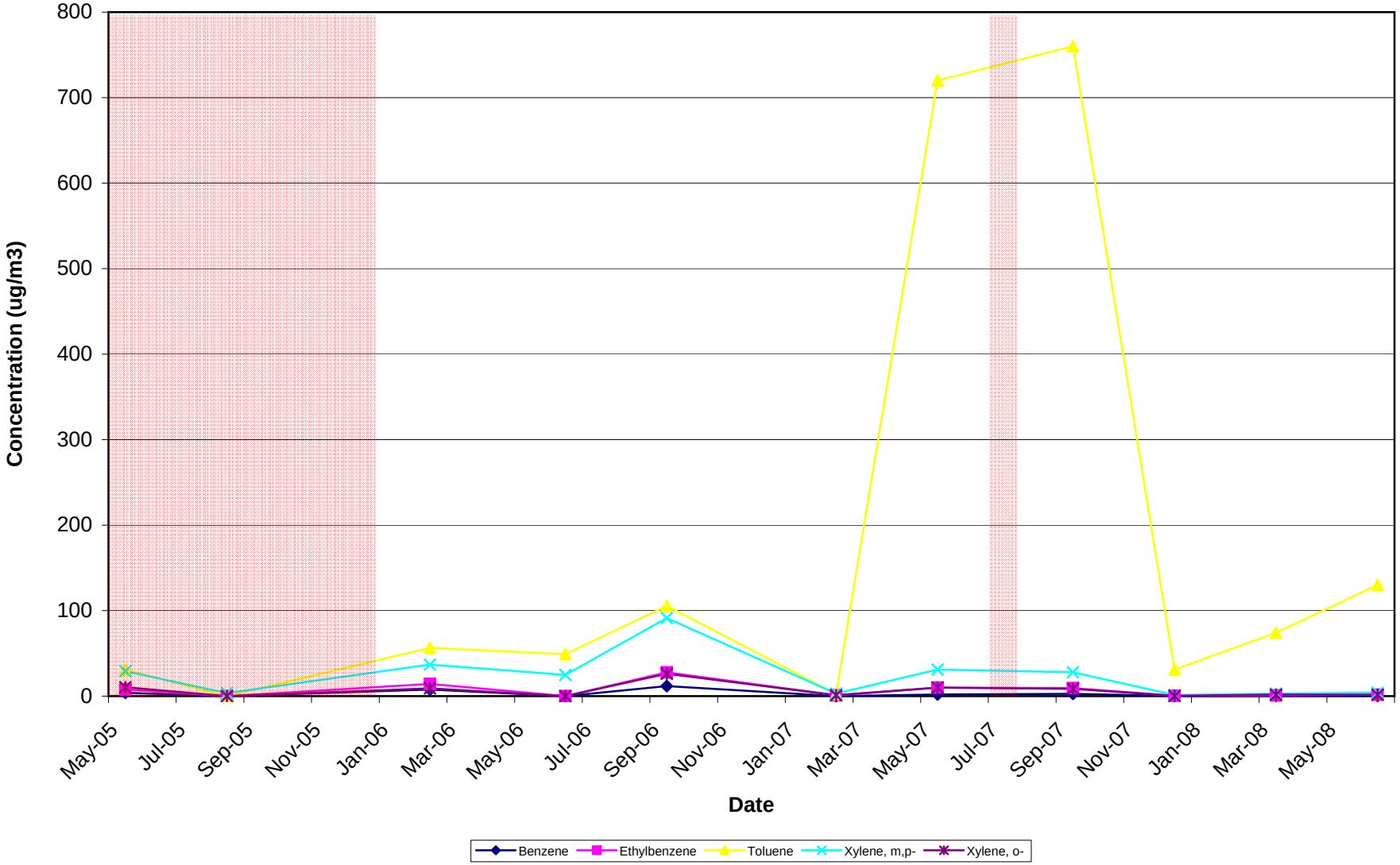
OU2SG04



Benzene	Ethylbenzene	Toluene	Xylene, m,p-	Xylene, o-
Acetaldehyde	Acetone	Acrolein (propenal)	Benzothiophene	Bromodichloromethane
Butadiene, 1,3-	Butane	Butanone,2-	Carbon disulfide	Carbon tetrachloride
Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Cryofluorane
Cyclohexane	Decane, n-	Dibromochloromethane	Dichlorobenzene,1,2-	Dichlorobenzene,1,3-
Dichlorobenzene,1,4-	Dichlorodifluoromethane	Dichloroethane,1,1-	Dichloroethane,1,2-	Dichloroethene, cis-1,2-
Dichloroethene,1,1-	Dioxane,1,4-	Dodecane, n-	Ethanol	Ethyltoluene, p-
Heptane, n-	Hexachlorobutadiene	Hexane, n-	Hexanone,2-	Indan
Indene	Isopropyl benzene	Methyl tert-butyl ether	Methyl-2-pentanone,4-	Methylene chloride
Methylnaphthalene,1-	Methylnaphthalene,2-	Naphthalene	Nonane	Octane, n-
Pentane	Propanol,2-	Propylbenzene, n-	Styrene	t-Butyl alcohol
Tetrachloroethene	Tetrahydrofuran	Tetramethylbenzene, 1,2,4,5-	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-	Undecane, n-	Trimethylbenzene,1,3,5-	Trimethylpentane, 2,2,4-	

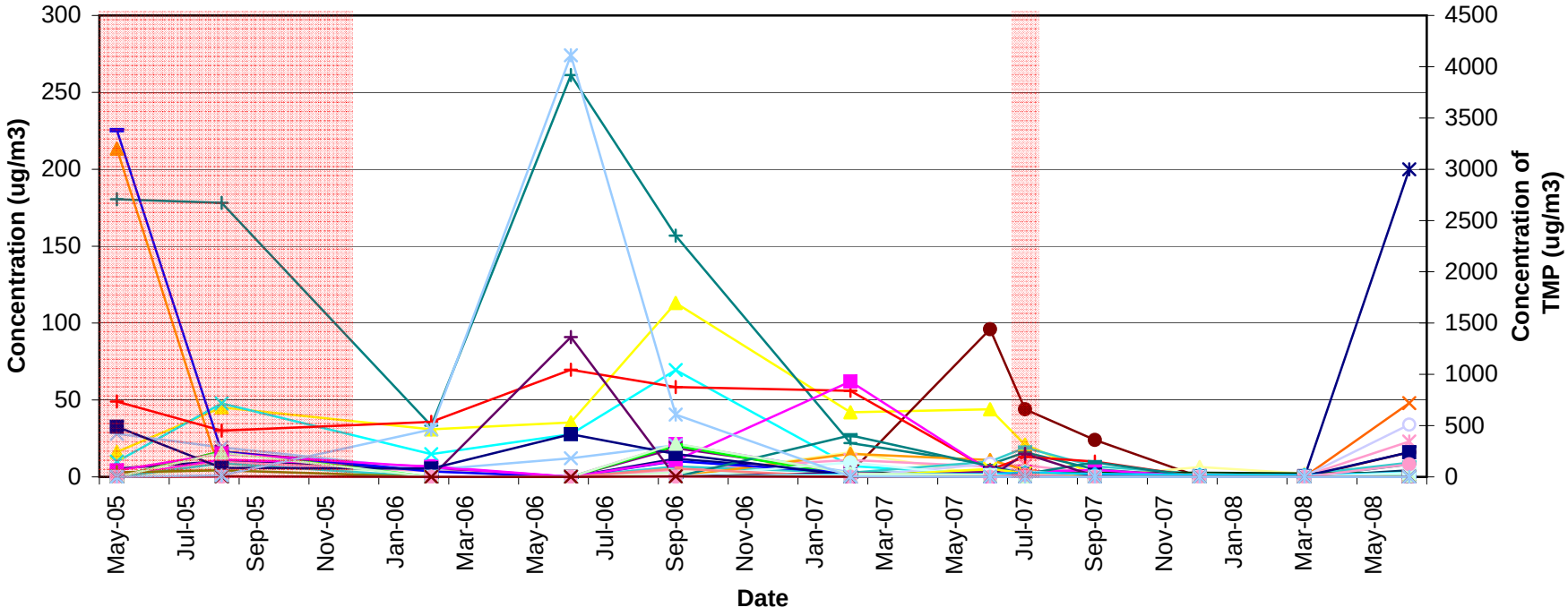
Appendix D
Soil Vapor Analytical Results
Operable Unit No. 2
Bay Shore/Brightwaters Former MGP Site

OU2SG04 BTEX



Appendix D
Soil Vapor Analytical Results
Operable Unit No. 2
Bay Shore/Brightwaters Former MGP Site

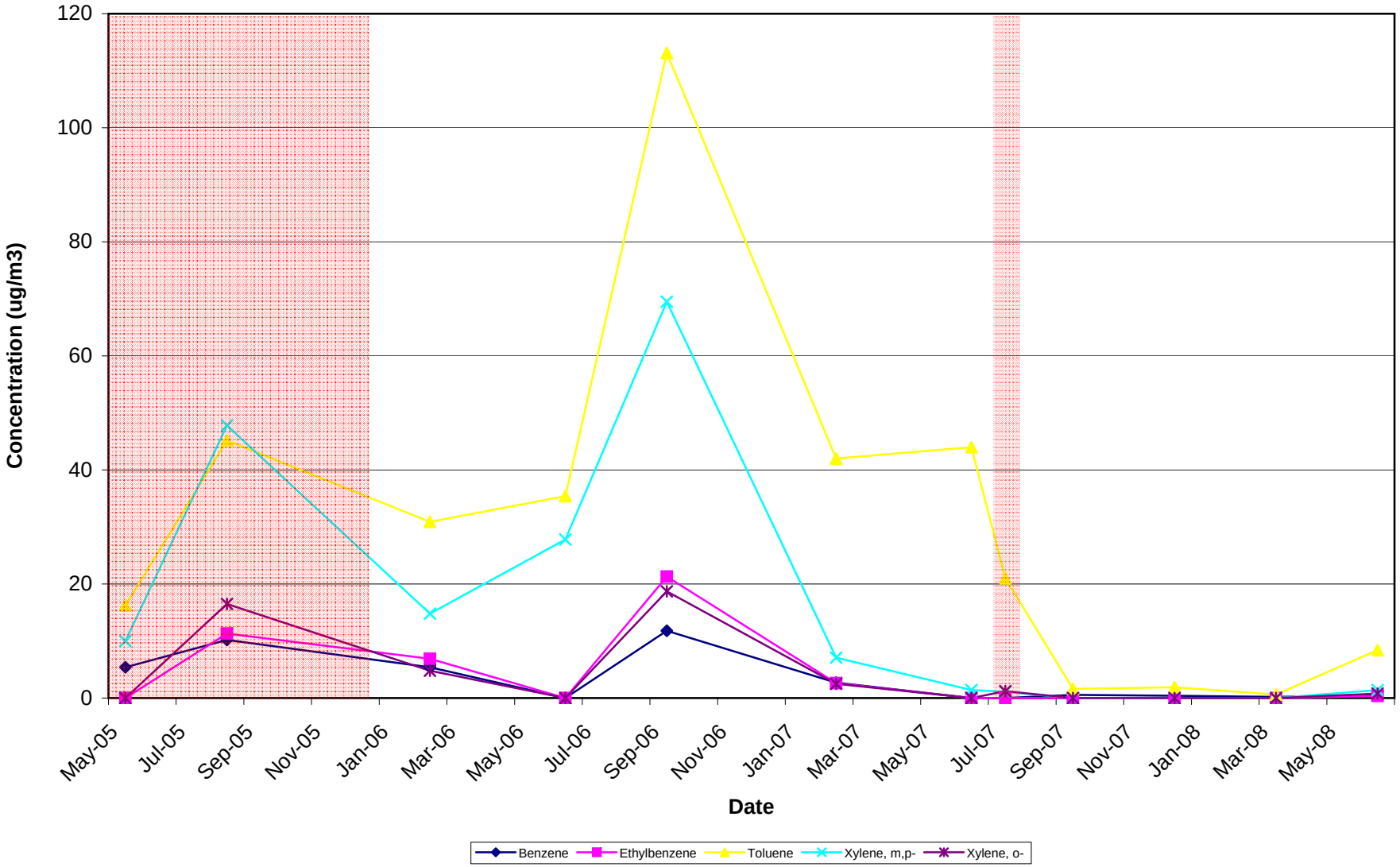
OU2SG05



Benzene	Ethylbenzene	Toluene	Xylene, m,p-	Xylene, o-
Acetaldehyde	Acetone	Acrolein (propenal)	Benzothiophene	Bromodichloromethane
Butadiene, 1,3-	Butane	Butanone,2-	Carbon disulfide	Carbon tetrachloride
Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Cryofluorane
Cyclohexane	Decane, n-	Dibromochloromethane	Dichlorobenzene,1,2-	Dichlorobenzene,1,3-
Dichlorobenzene,1,4-	Dichlorodifluoromethane	Dichloroethane,1,1-	Dichloroethane,1,2-	Dichloroethene, cis-1,2-
Dichloroethene,1,1-	Dioxane,1,4-	Dodecane, n-	Ethanol	Ethyltoluene, p-
Heptane, n-	Hexachlorobutadiene	Hexane, n-	Hexanone,2-	Indan
Indene	Isopropyl benzene	Methyl tert-butyl ether	Methyl-2-pentanone,4-	Methylene chloride
Methylnaphthalene,1-	Methylnaphthalene,2-	Naphthalene	Nonane	Octane, n-
Pentane	Propanol,2-	Propylbenzene, n-	Styrene	t-Butyl alcohol
Tetrachloroethene	Tetrahydrofuran	Tetramethylbenzene, 1,2,4,5-	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-	Undecane, n-	Trimethylbenzene,1,3,5-	Trimethylpentane, 2,2,4-	

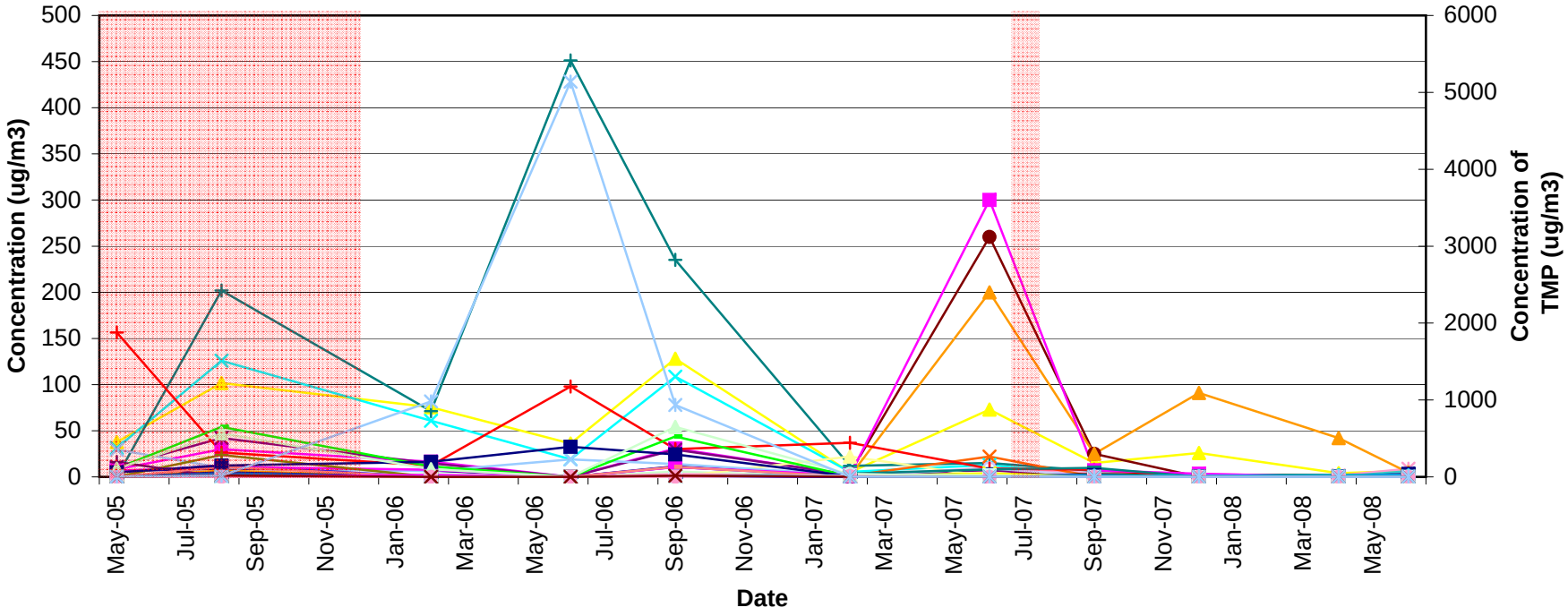
Appendix D
Soil Vapor Analytical Results
Operable Unit No. 2
Bay Shore/Brightwaters Former MGP Site

OU2SG05 BTEX



Appendix D
Soil Vapor Analytical Results
Operable Unit No. 2
Bay Shore/Brightwaters Former MGP Site

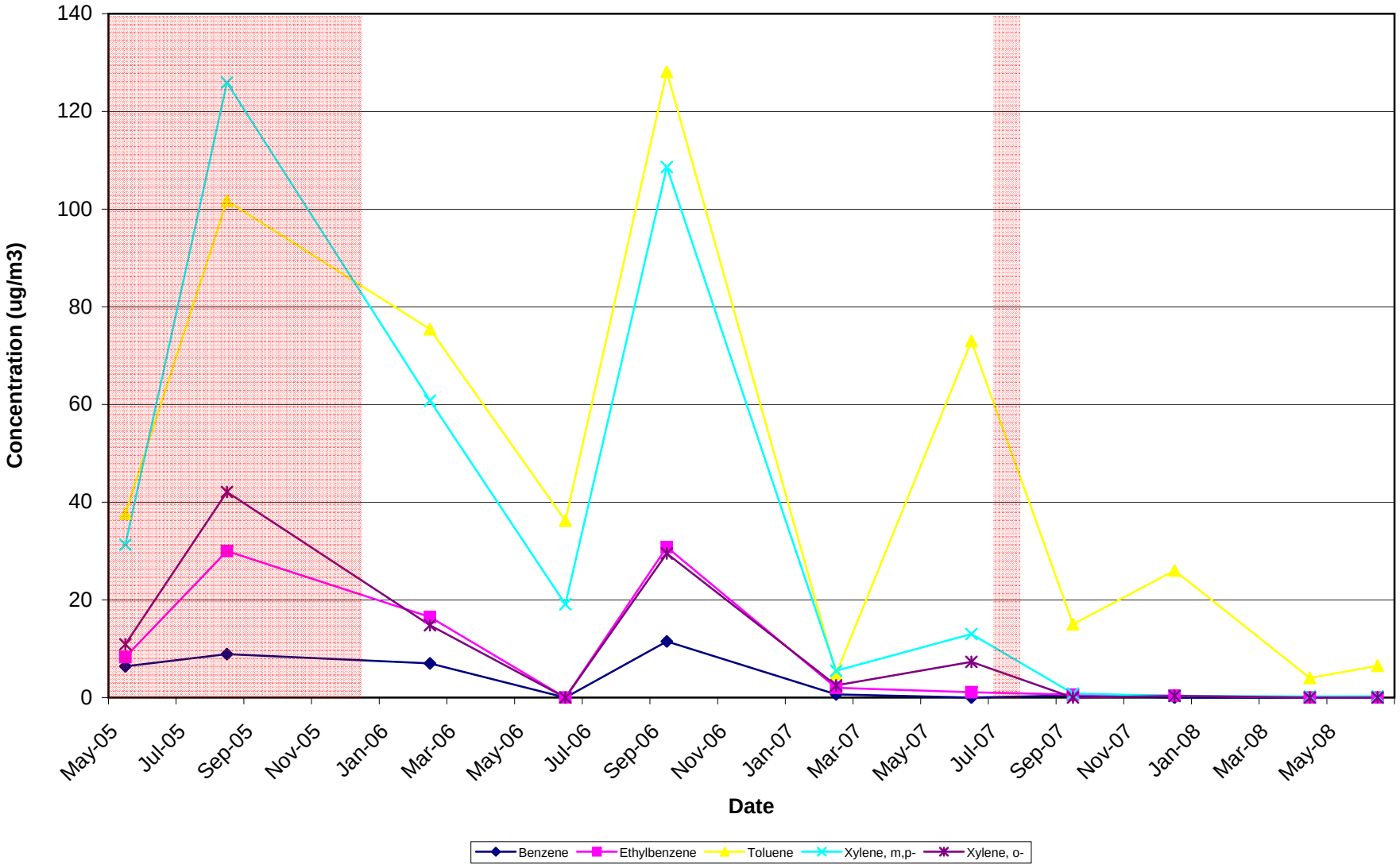
OU2SG06



Benzene	Ethylbenzene	Toluene	Xylene, m,p-	Xylene, o-
Acetaldehyde	Acetone	Acrolein (propenal)	Benzothiophene	Bromodichloromethane
Butadiene, 1,3-	Butane	Butanone,2-	Carbon disulfide	Carbon tetrachloride
Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Cryofluorane
Cyclohexane	Decane, n-	Dibromochloromethane	Dichlorobenzene,1,2-	Dichlorobenzene,1,3-
Dichlorobenzene,1,4-	Dichlorodifluoromethane	Dichloroethane,1,1-	Dichloroethane,1,2-	Dichloroethene, cis-1,2-
Dichloroethene,1,1-	Dioxane,1,4-	Dodecane, n-	Ethanol	Ethyltoluene, p-
Heptane, n-	Hexachlorobutadiene	Hexane, n-	Hexanone,2-	Indan
Indene	Isopropyl benzene	Methyl tert-butyl ether	Methyl-2-pentanone,4-	Methylene chloride
Methylnaphthalene,1-	Methylnaphthalene,2-	Naphthalene	Nonane	Octane, n-
Pentane	Propanol,2-	Propylbenzene, n-	Styrene	t-Butyl alcohol
Tetrachloroethene	Tetrahydrofuran	Tetramethylbenzene, 1,2,4,5-	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-	Undecane, n-	Trimethylbenzene,1,3,5-	Trimethylpentane, 2,2,4-	

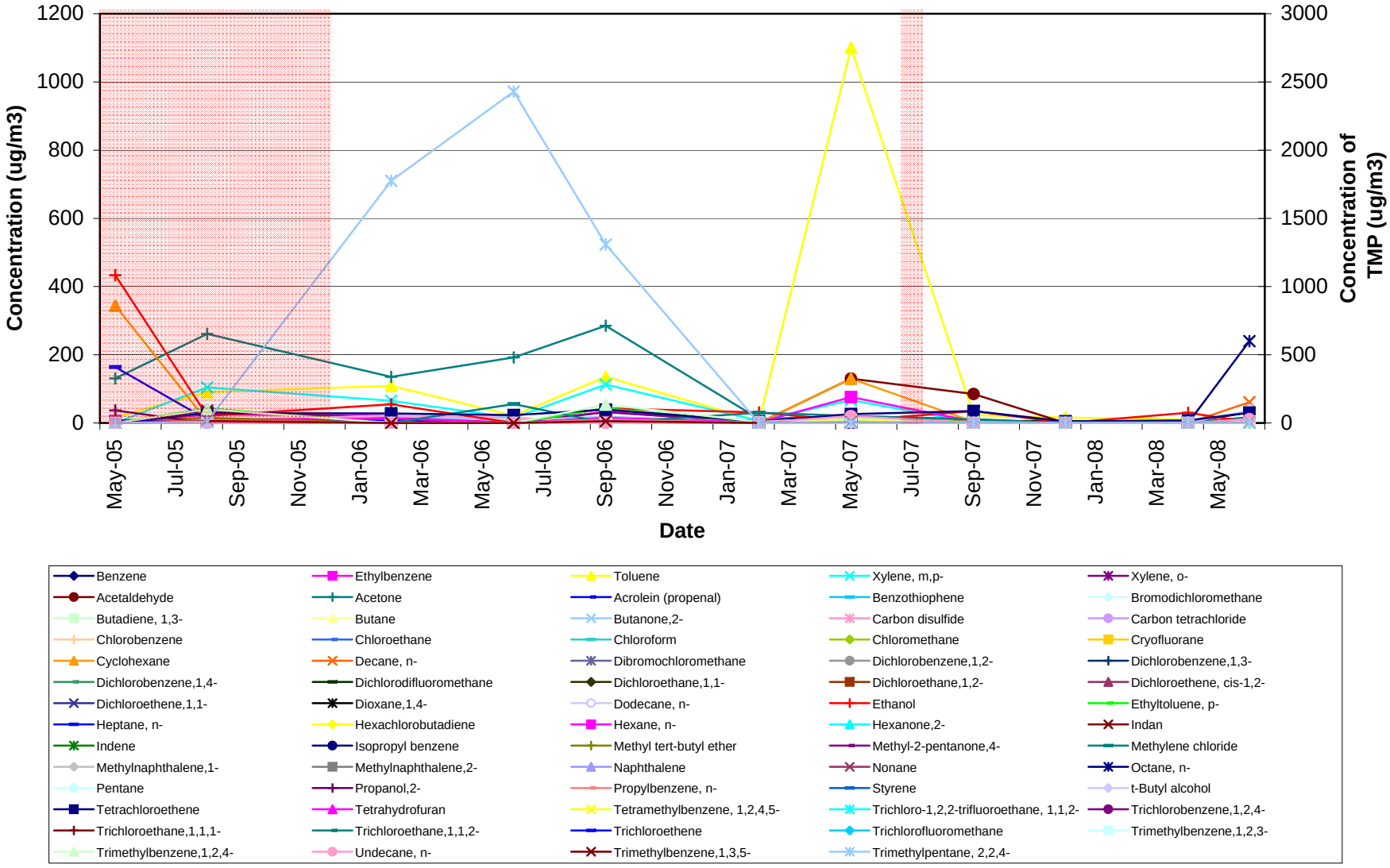
Appendix D
Soil Vapor Analytical Results
Operable Unit No. 2
Bay Shore/Brightwaters Former MGP Site

OU2SG06 BTEX



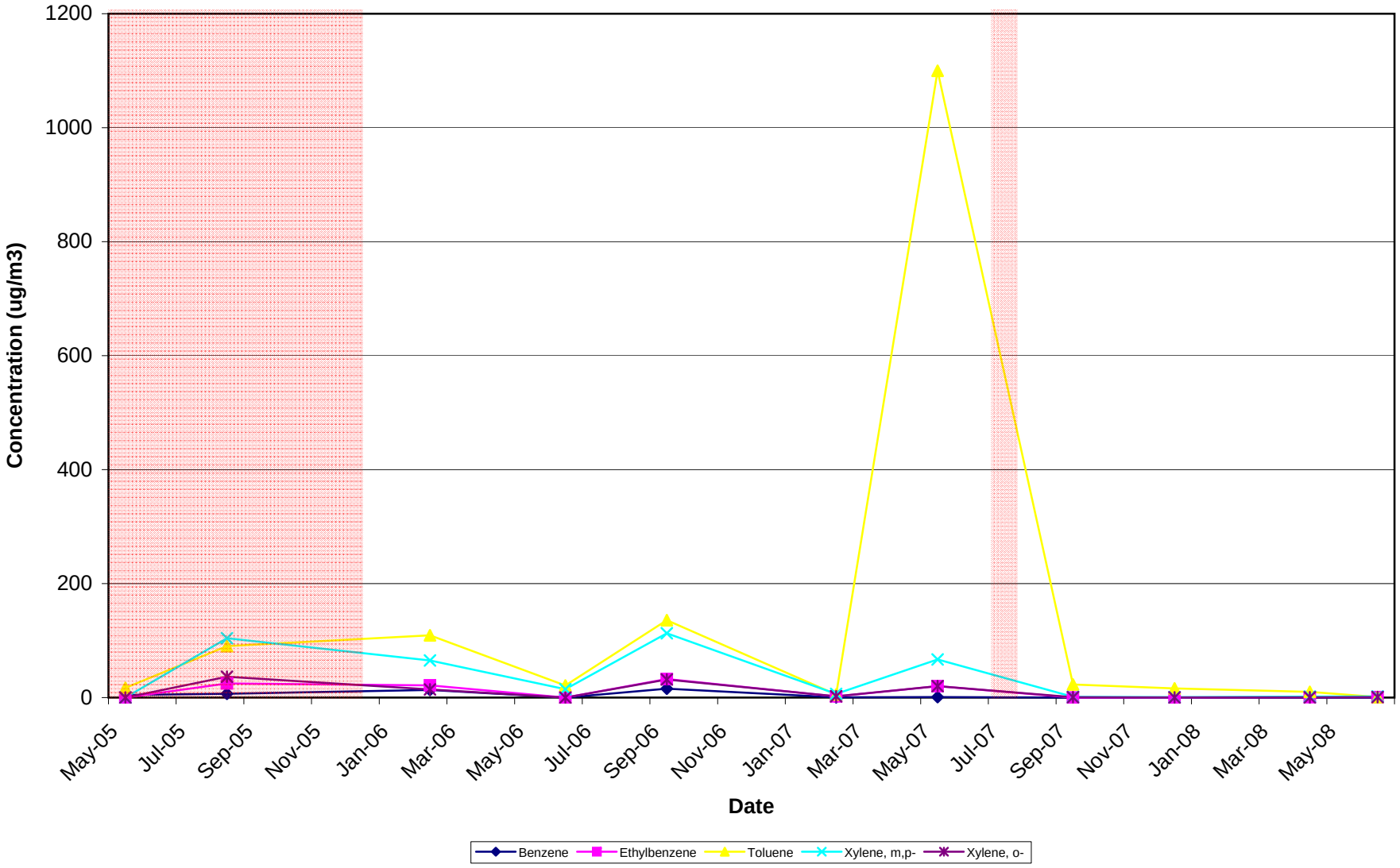
Appendix D
Soil Vapor Analytical Results
Operable Unit No. 2
Bay Shore/Brightwaters Former MGP Site

OU2SG07



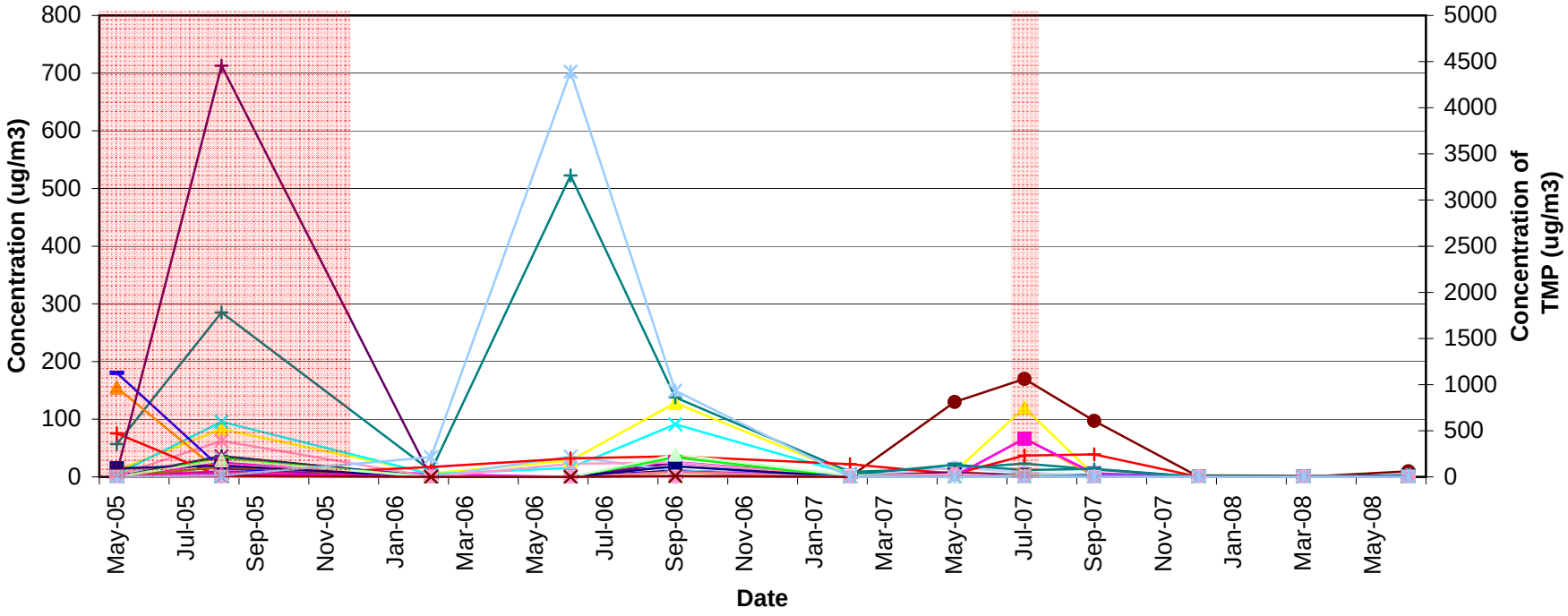
Appendix D
Soil Vapor Analytical Results
Operable Unit No. 2
Bay Shore/Brightwaters Former MGP Site

OU2SG07 BTEX



Appendix D
Soil Vapor Analytical Results
Operable Unit No. 2
Bay Shore/Brightwaters Former MGP Site

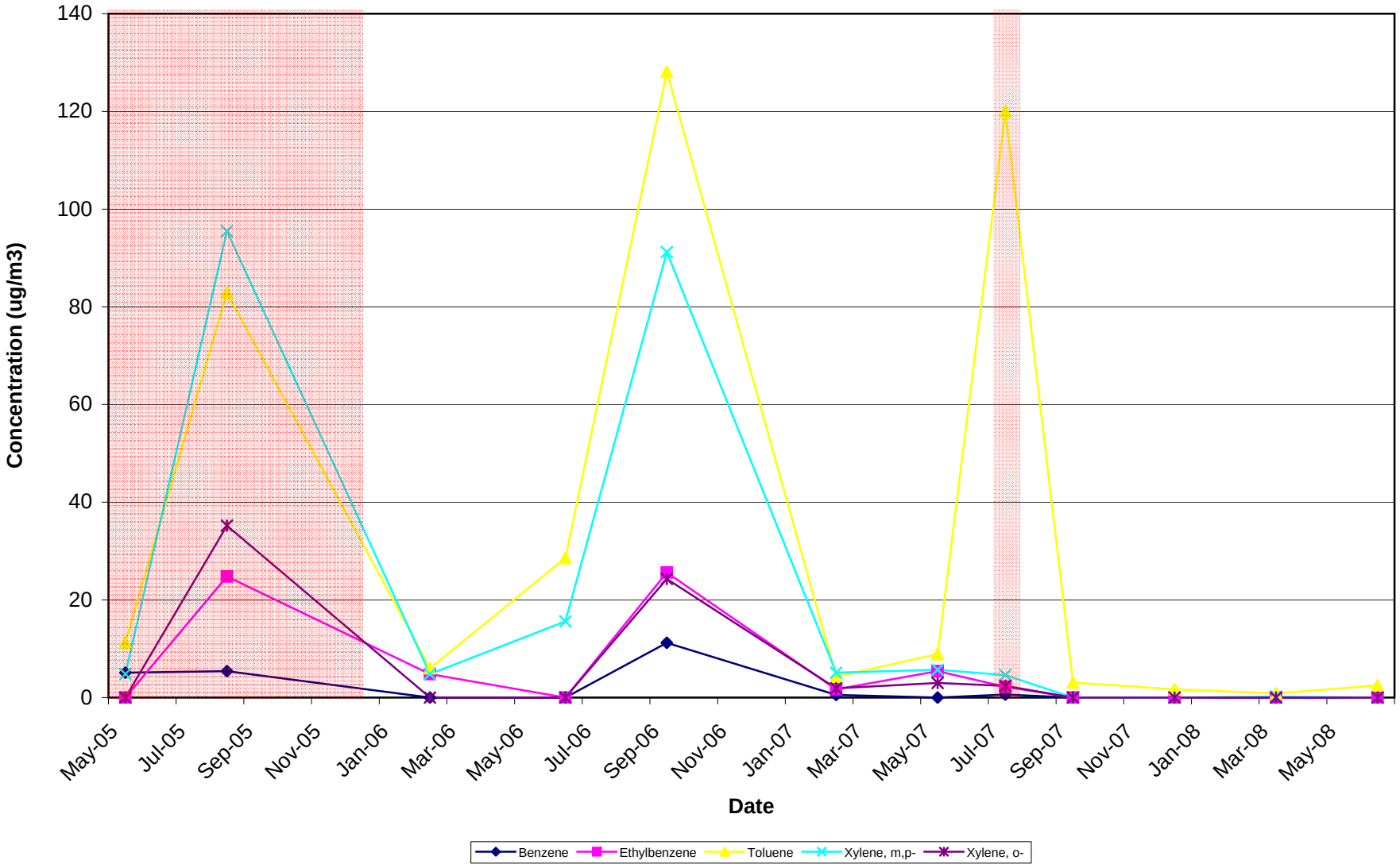
OU2SG08



Benzene	Ethylbenzene	Toluene	Xylene, m,p-	Xylene, o-
Acetaldehyde	Acetone	Acrolein (propenal)	Benzothiophene	Bromodichloromethane
Butadiene, 1,3-	Butane	Butanone,2-	Carbon disulfide	Carbon tetrachloride
Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Cryofluorane
Cyclohexane	Decane, n-	Dibromochloromethane	Dichlorobenzene,1,2-	Dichlorobenzene,1,3-
Dichlorobenzene,1,4-	Dichlorodifluoromethane	Dichloroethane,1,1-	Dichloroethane,1,2-	Dichloroethene, cis-1,2-
Dichloroethene,1,1-	Dioxane,1,4-	Dodecane, n-	Ethanol	Ethyltoluene, p-
Heptane, n-	Hexachlorobutadiene	Hexane, n-	Hexanone,2-	Indan
Indene	Isopropyl benzene	Methyl tert-butyl ether	Methyl-2-pentanone,4-	Methylene chloride
Methylnaphthalene,1-	Methylnaphthalene,2-	Naphthalene	Nonane	Octane, n-
Pentane	Propanol,2-	Propylbenzene, n-	Styrene	t-Butyl alcohol
Tetrachloroethene	Tetrahydrofuran	Tetramethylbenzene, 1,2,4,5-	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-	Undecane, n-	Trimethylbenzene,1,3,5-	Trimethylpentane, 2,2,4-	

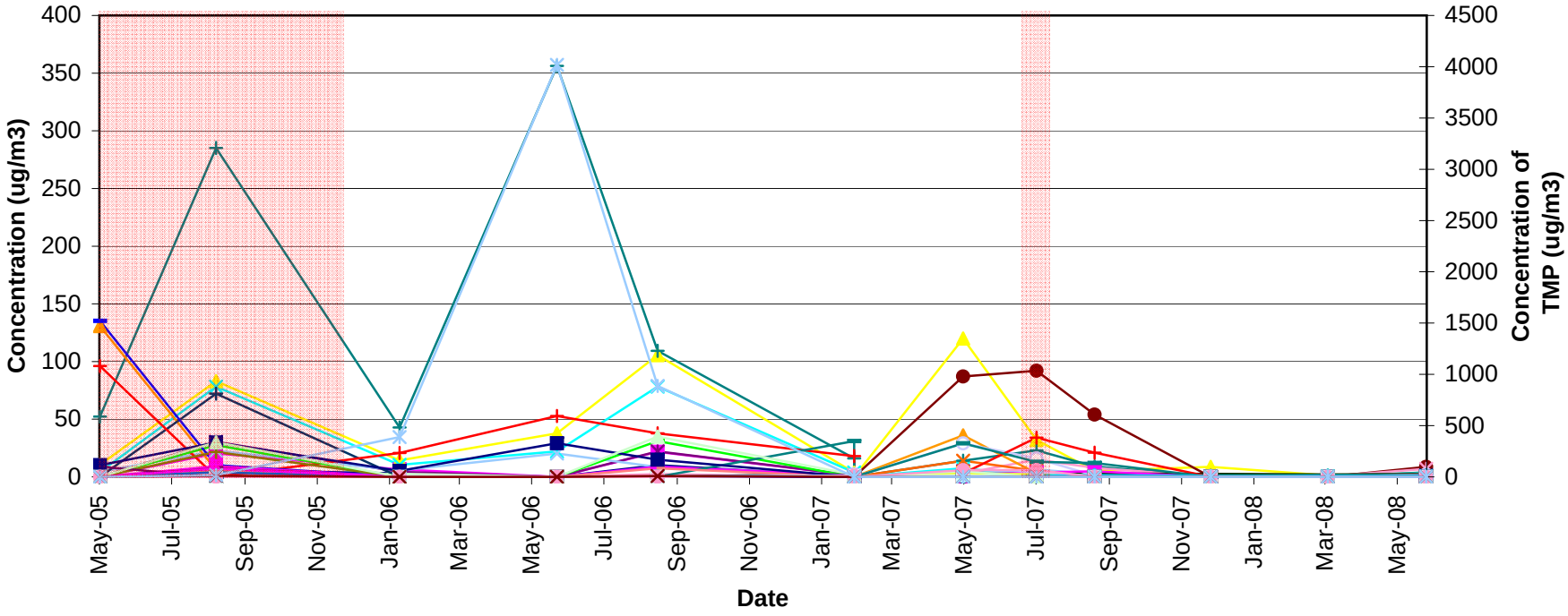
Appendix D
Soil Vapor Analytical Results
Operable Unit No. 2
Bay Shore/Brightwaters Former MGP Site

OU2SG08 BTEX



Appendix D
Soil Vapor Analytical Results
Operable Unit No. 2
Bay Shore/Brightwaters Former MGP Site

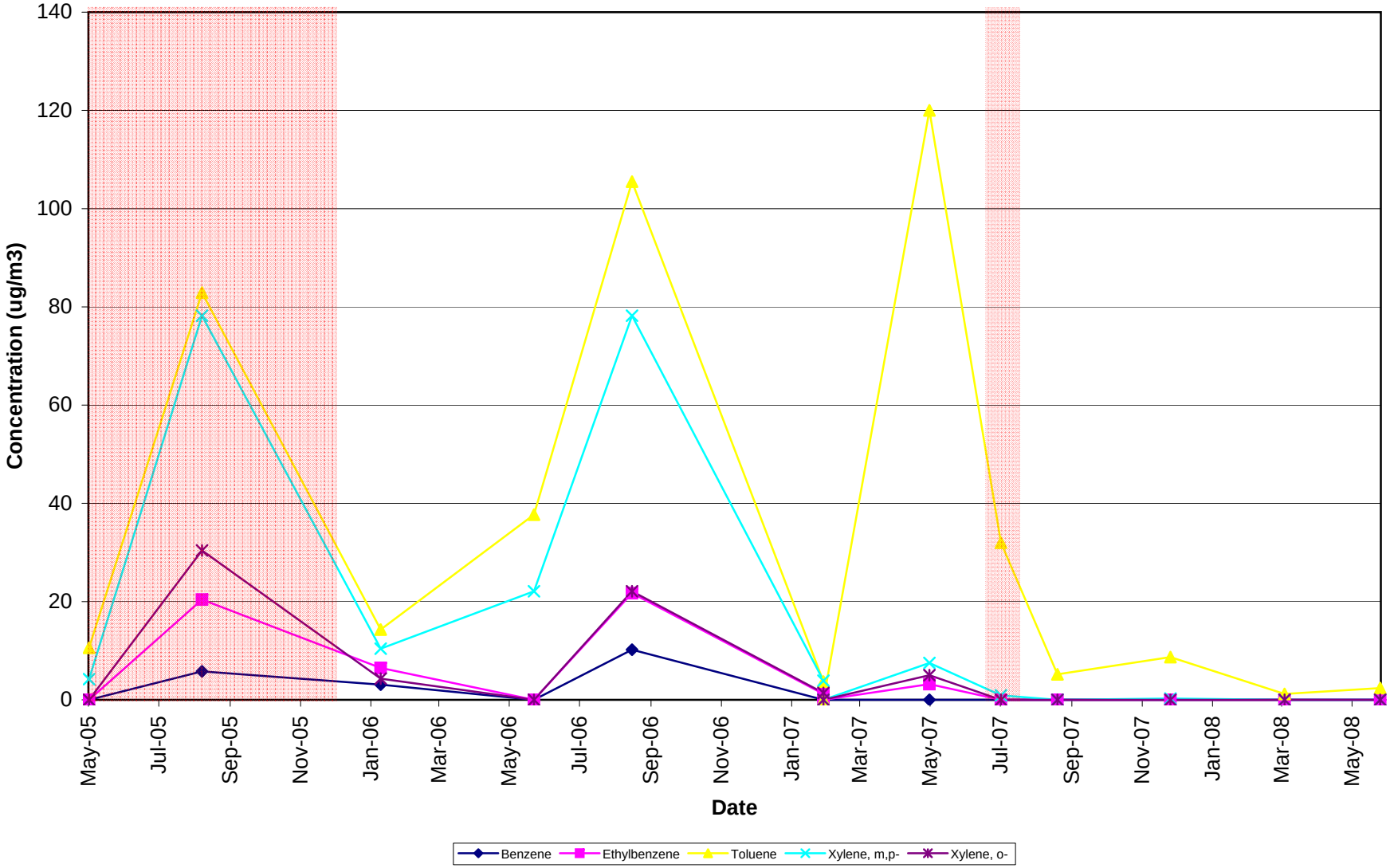
OU2SG09



Benzene	Ethylbenzene	Toluene	Xylene, m,p-	Xylene, o-
Acetaldehyde	Acetone	Acrolein (propenal)	Benzothiophene	Bromodichloromethane
Butadiene, 1,3-	Butane	Butanone,2-	Carbon disulfide	Carbon tetrachloride
Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Cryofluorane
Cyclohexane	Decane, n-	Dibromochloromethane	Dichlorobenzene,1,2-	Dichlorobenzene,1,3-
Dichlorobenzene,1,4-	Dichlorodifluoromethane	Dichloroethane,1,1-	Dichloroethane,1,2-	Dichloroethene, cis-1,2-
Dichloroethene,1,1-	Dioxane,1,4-	Dodecane, n-	Ethanol	Ethyltoluene, p-
Heptane, n-	Hexachlorobutadiene	Hexane, n-	Hexanone,2-	Indan
Indene	Isopropyl benzene	Methyl tert-butyl ether	Methyl-2-pentanone,4-	Methylene chloride
Methylnaphthalene,1-	Methylnaphthalene,2-	Naphthalene	Nonane	Octane, n-
Pentane	Propanol,2-	Propylbenzene, n-	Styrene	t-Butyl alcohol
Tetrachloroethene	Tetrahydrofuran	Tetramethylbenzene, 1,2,4,5-	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-	Undecane, n-	Trimethylbenzene,1,3,5-	Trimethylpentane, 2,2,4-	

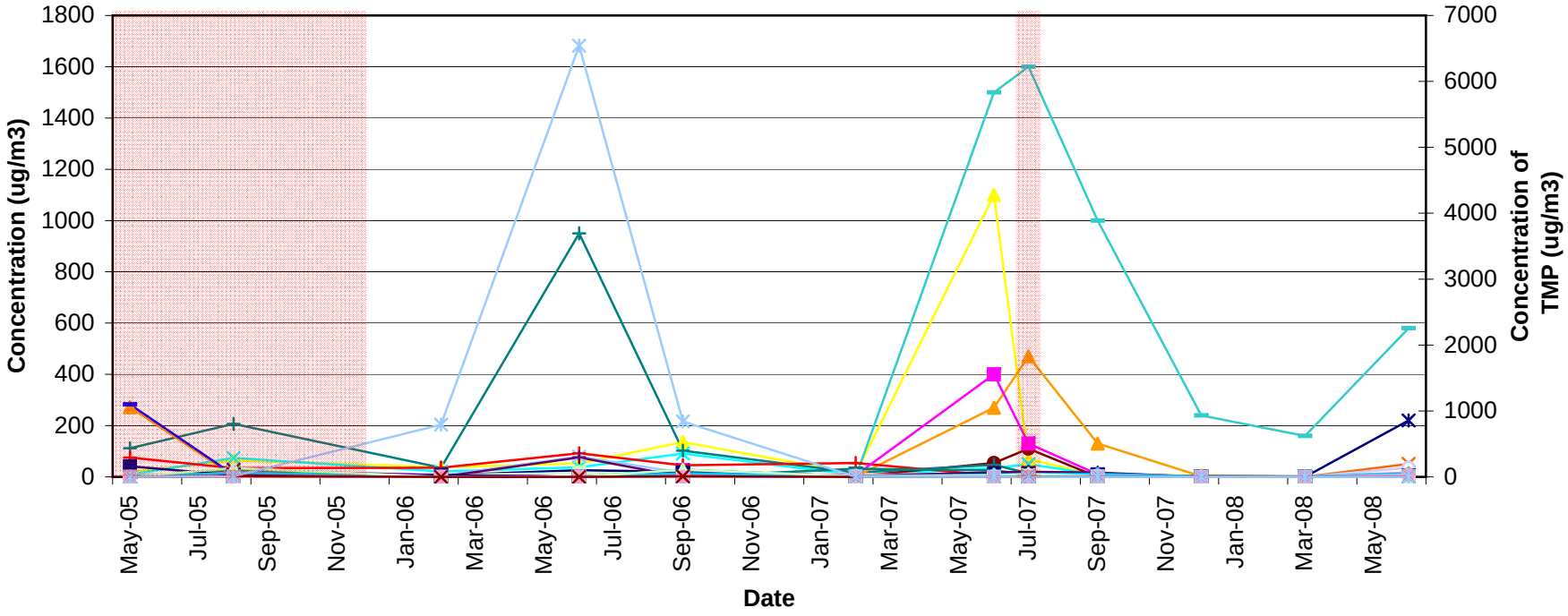
Appendix D
Soil Vapor Analytical Results
Operable Unit No. 2
Bay Shore/Brightwaters Former MGP Site

OU2SG09 BTEX



Appendix D
Soil Vapor Analytical Results
Operable Unit No. 2
Bay Shore/Brightwaters Former MGP Site

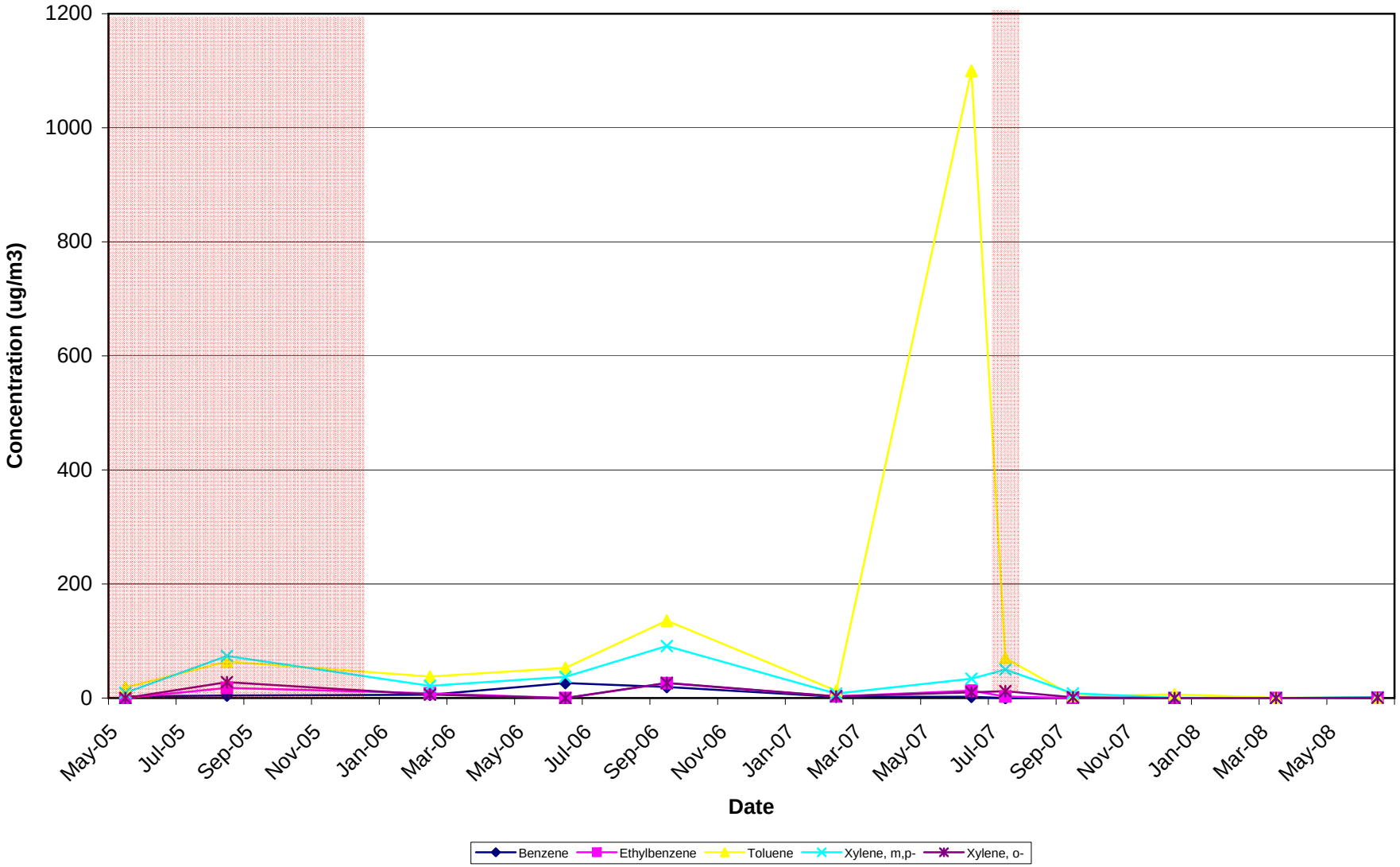
OU2SG10



Benzene	Ethylbenzene	Toluene	Xylene, m,p-	Xylene, o-
Acetaldehyde	Acetone	Acrolein (propenal)	Benzothiophene	Bromodichloromethane
Butadiene, 1,3-	Butane	Butanone,2-	Carbon disulfide	Carbon tetrachloride
Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Cryofluorane
Cyclohexane	Decane, n-	Dibromochloromethane	Dichlorobenzene,1,2-	Dichlorobenzene,1,3-
Dichlorobenzene,1,4-	Dichlorodifluoromethane	Dichloroethane,1,1-	Dichloroethane,1,2-	Dichloroethene, cis-1,2-
Dichloroethene,1,1-	Dioxane,1,4-	Dodecane, n-	Ethanol	Ethyltoluene, p-
Heptane, n-	Hexachlorobutadiene	Hexane, n-	Hexanone,2-	Indan
Indene	Isopropyl benzene	Methyl tert-butyl ether	Methyl-2-pentanone,4-	Methylene chloride
Methylnaphthalene,1-	Methylnaphthalene,2-	Naphthalene	Nonane	Octane, n-
Pentane	Propanol,2-	Propylbenzene, n-	Styrene	t-Butyl alcohol
Tetrachloroethene	Tetrahydrofuran	Tetramethylbenzene, 1,2,4,5-	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-	Undecane, n-	Trimethylbenzene,1,3,5-	Trimethylpentane, 2,2,4-	

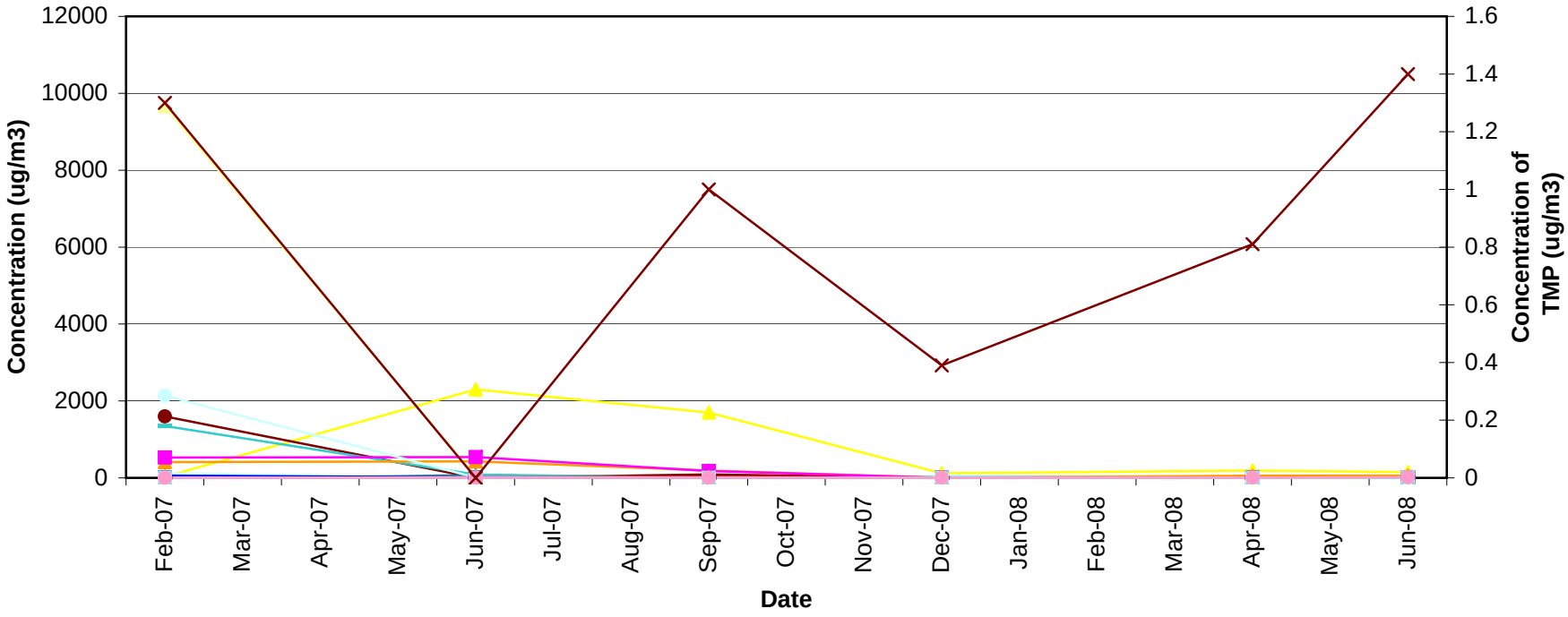
Appendix D
Soil Vapor Analytical Results
Operable Unit No. 2
Bay Shore/Brightwaters Former MGP Site

OU2SG10 BTEX



Appendix D
Soil Vapor Analytical Results
Operable Unit No. 2
Bay Shore/Brightwaters Former MGP Site

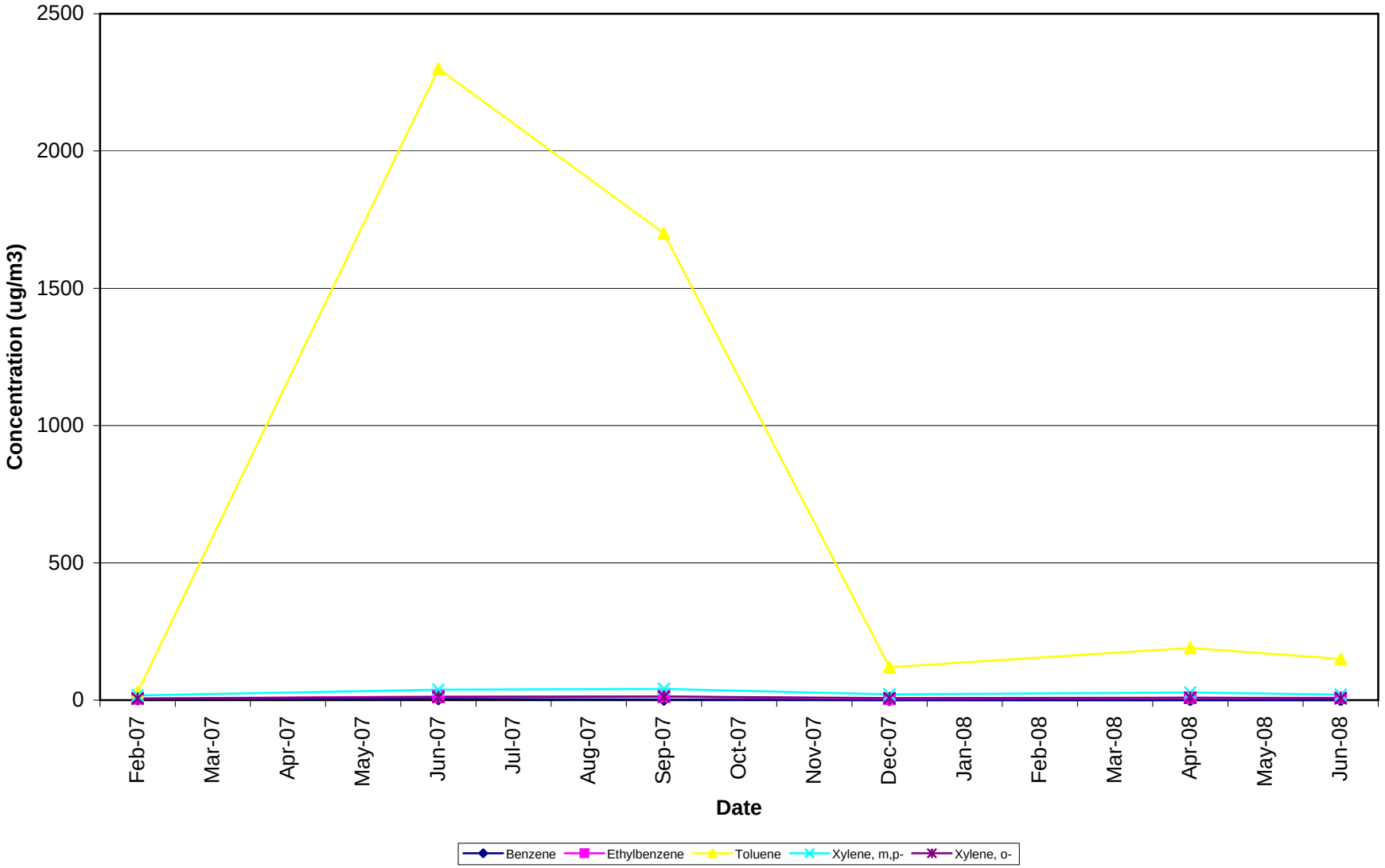
OU2SG11



Benzene	Ethylbenzene	Toluene	Xylene, m,p-	Xylene, o-
Acetaldehyde	Acetone	Acrolein (propenal)	Benzothiophene	Bromodichloromethane
Butadiene, 1,3-	Butane	Butanone,2-	Carbon disulfide	Carbon tetrachloride
Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Cryofluorane
Cyclohexane	Decane, n-	Dibromochloromethane	Dichlorobenzene,1,2-	Dichlorobenzene,1,3-
Dichlorobenzene,1,4-	Dichlorodifluoromethane	Dichloroethane,1,1-	Dichloroethane,1,2-	Dichloroethene, cis-1,2-
Dichloroethene,1,1-	Dioxane,1,4-	Dodecane, n-	Ethanol	Ethyltoluene, p-
Heptane, n-	Hexachlorobutadiene	Hexane, n-	Hexanone,2-	Indan
Indene	Isopropyl benzene	Methyl tert-butyl ether	Methyl-2-pentanone,4-	Methylene chloride
Methylnaphthalene,1-	Methylnaphthalene,2-	Naphthalene	Nonane	Octane, n-
Pentane	Propanol,2-	Propylbenzene, n-	Styrene	t-Butyl alcohol
Tetrachloroethene	Tetrahydrofuran	Tetramethylbenzene, 1,2,4,5-	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-	Trimethylpentane, 2,2,4-	Undecane, n-	Trimethylbenzene,1,3,5-	

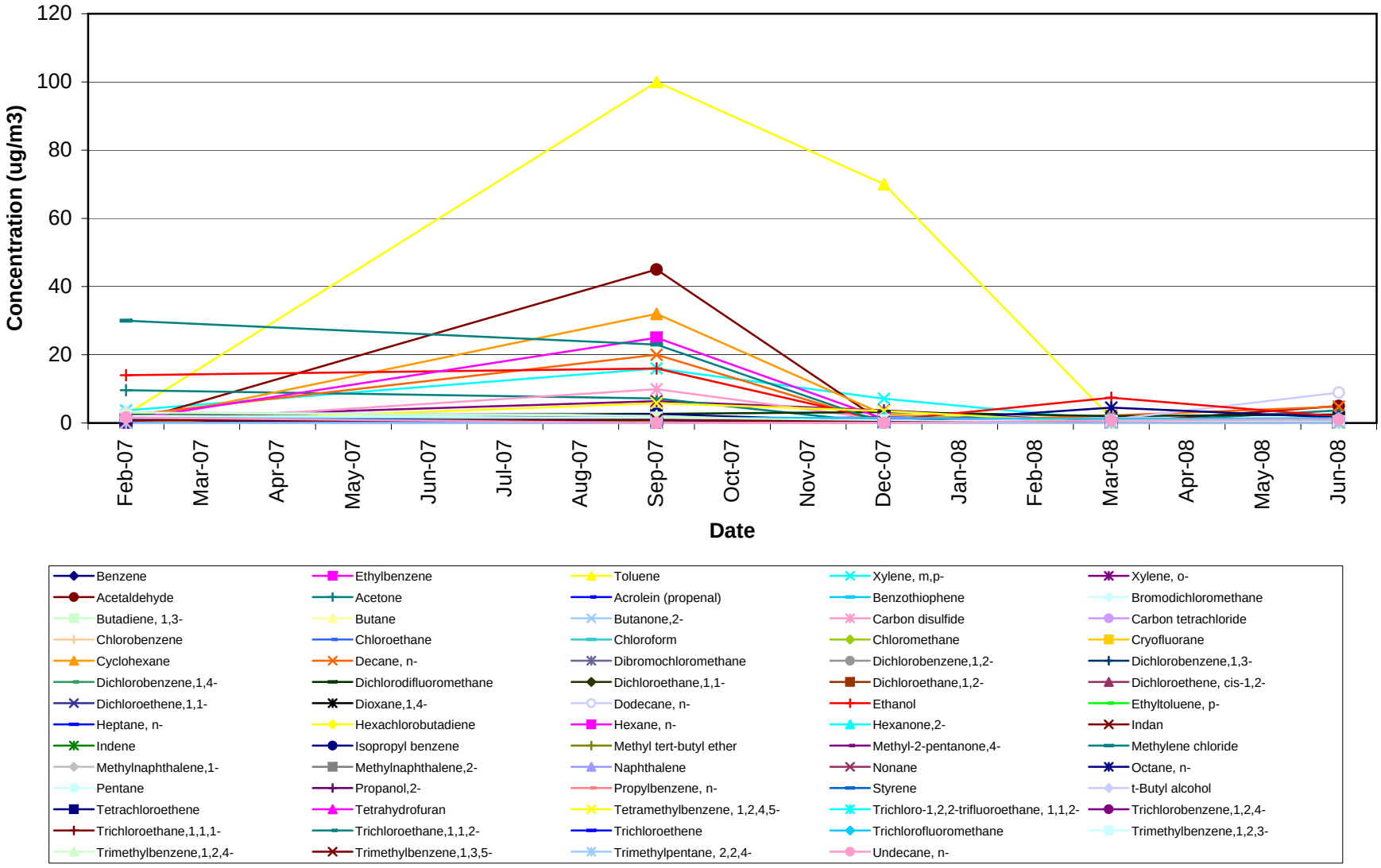
Appendix D
Soil Vapor Analytical Results
Operable Unit No. 2
Bay Shore/Brightwaters Former MGP Site

OU2SG11 BTEX



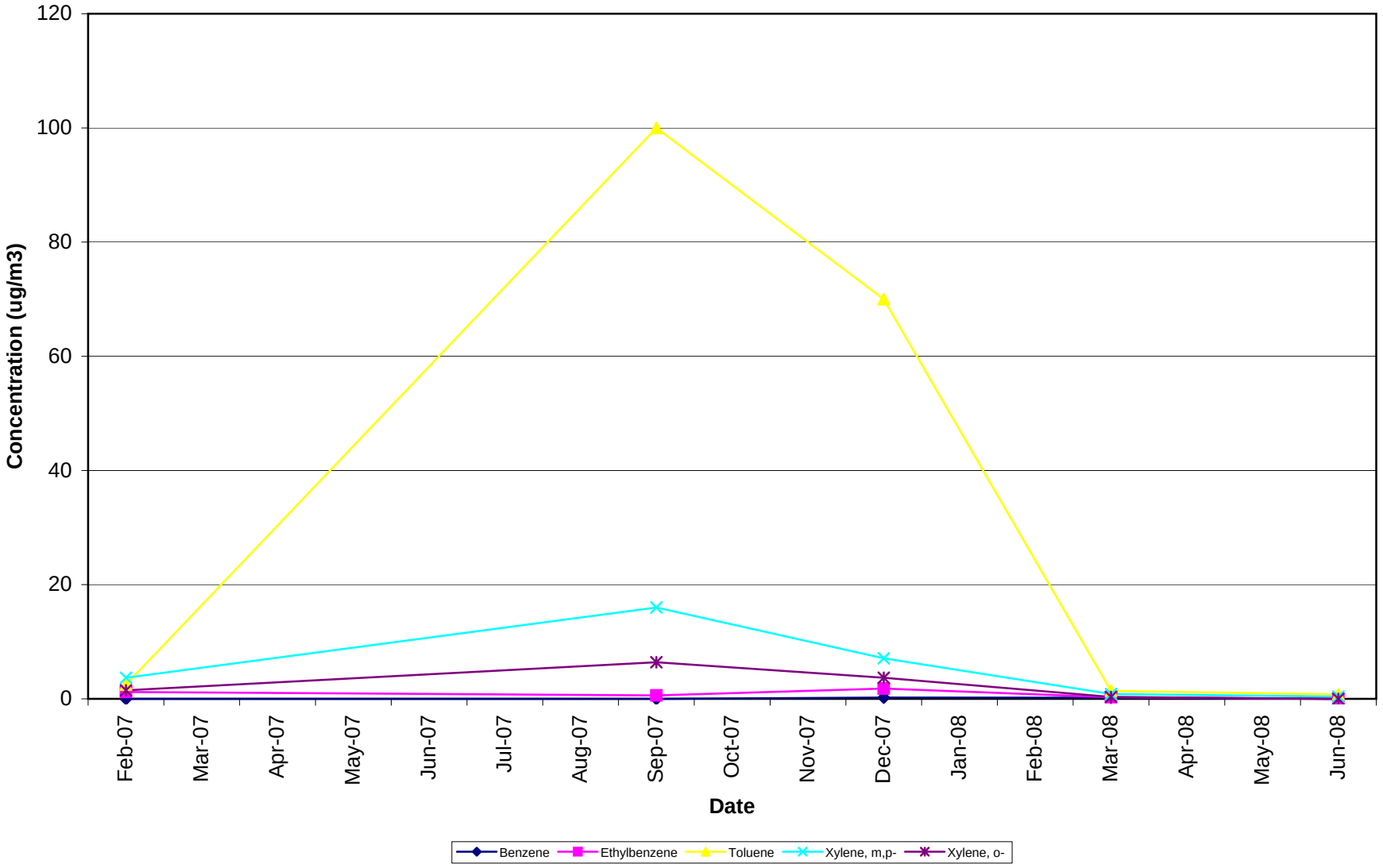
Appendix D
Soil Vapor Analytical Results
Operable Unit No. 2
Bay Shore/Brightwaters Former MGP Site

OU2SG12



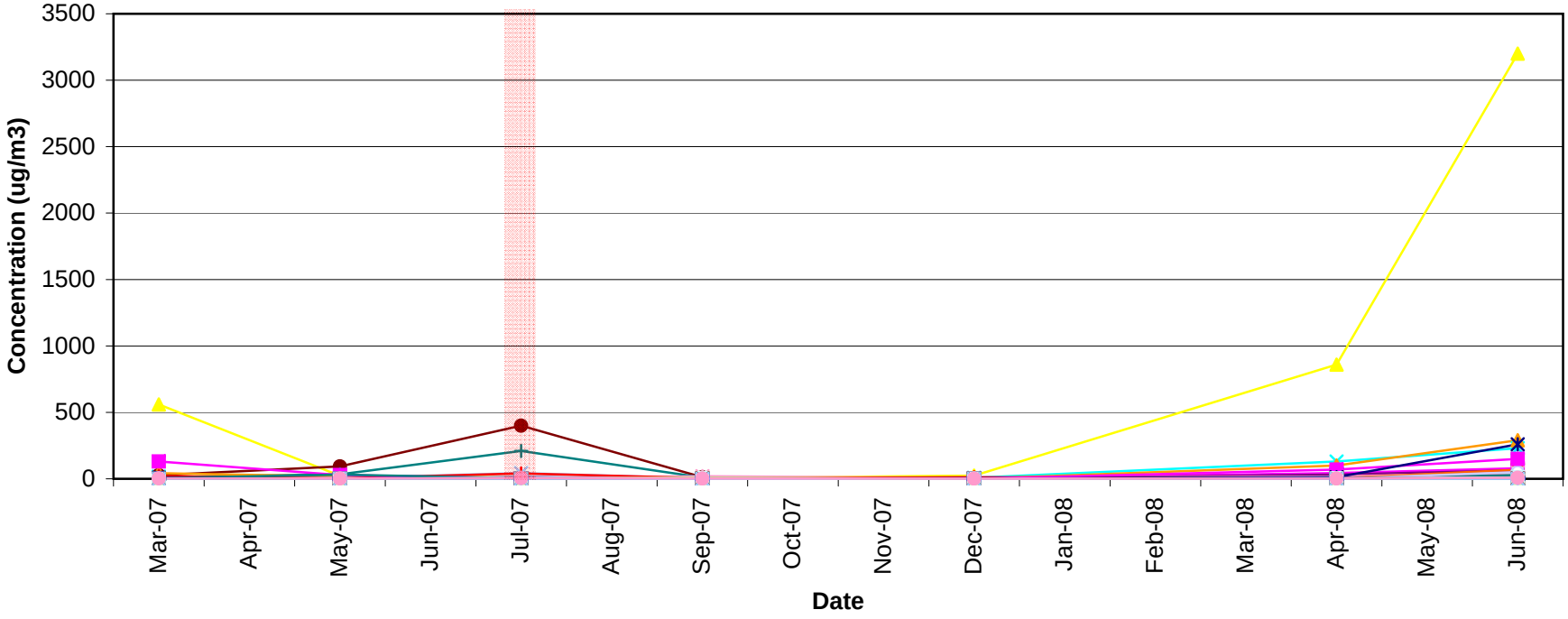
Appendix D
Soil Vapor Analytical Results
Operable Unit No. 2
Bay Shore/Brightwaters Former MGP Site

OU2SG12 BTEX



Appendix D
Soil Vapor Analytical Results
Operable Unit No. 2
Bay Shore/Brightwaters Former MGP Site

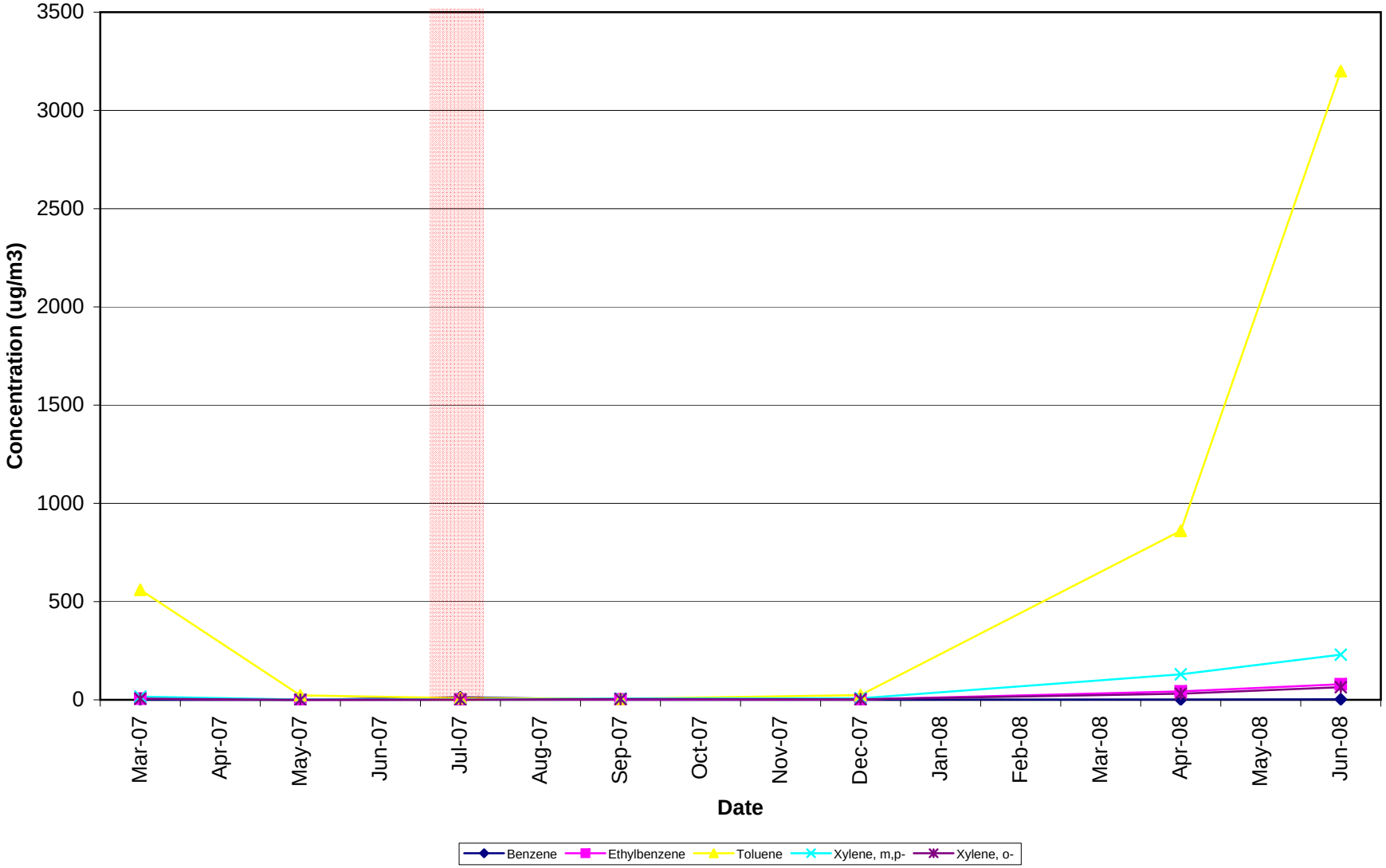
OU2SG13



Benzene	Ethylbenzene	Toluene	Xylene, m,p-	Xylene, o-
Acetaldehyde	Acetone	Acrolein (propenal)	Benzothiophene	Bromodichloromethane
Butadiene, 1,3-	Butane	Butanone,2-	Carbon disulfide	Carbon tetrachloride
Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Cryofluorane
Cyclohexane	Decane, n-	Dibromochloromethane	Dichlorobenzene,1,2-	Dichlorobenzene,1,3-
Dichlorobenzene,1,4-	Dichlorodifluoromethane	Dichloroethane,1,1-	Dichloroethane,1,2-	Dichloroethene, cis-1,2-
Dichloroethene,1,1-	Dioxane,1,4-	Dodecane, n-	Ethanol	Ethyltoluene, p-
Heptane, n-	Hexachlorobutadiene	Hexane, n-	Hexanone,2-	Indan
Indene	Isopropyl benzene	Methyl tert-butyl ether	Methyl-2-pentanone,4-	Methylene chloride
Methylnaphthalene,1-	Methylnaphthalene,2-	Naphthalene	Nonane	Octane, n-
Pentane	Propanol,2-	Propylbenzene, n-	Styrene	t-Butyl alcohol
Tetrachloroethene	Tetrahydrofuran	Tetramethylbenzene, 1,2,4,5-	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-	

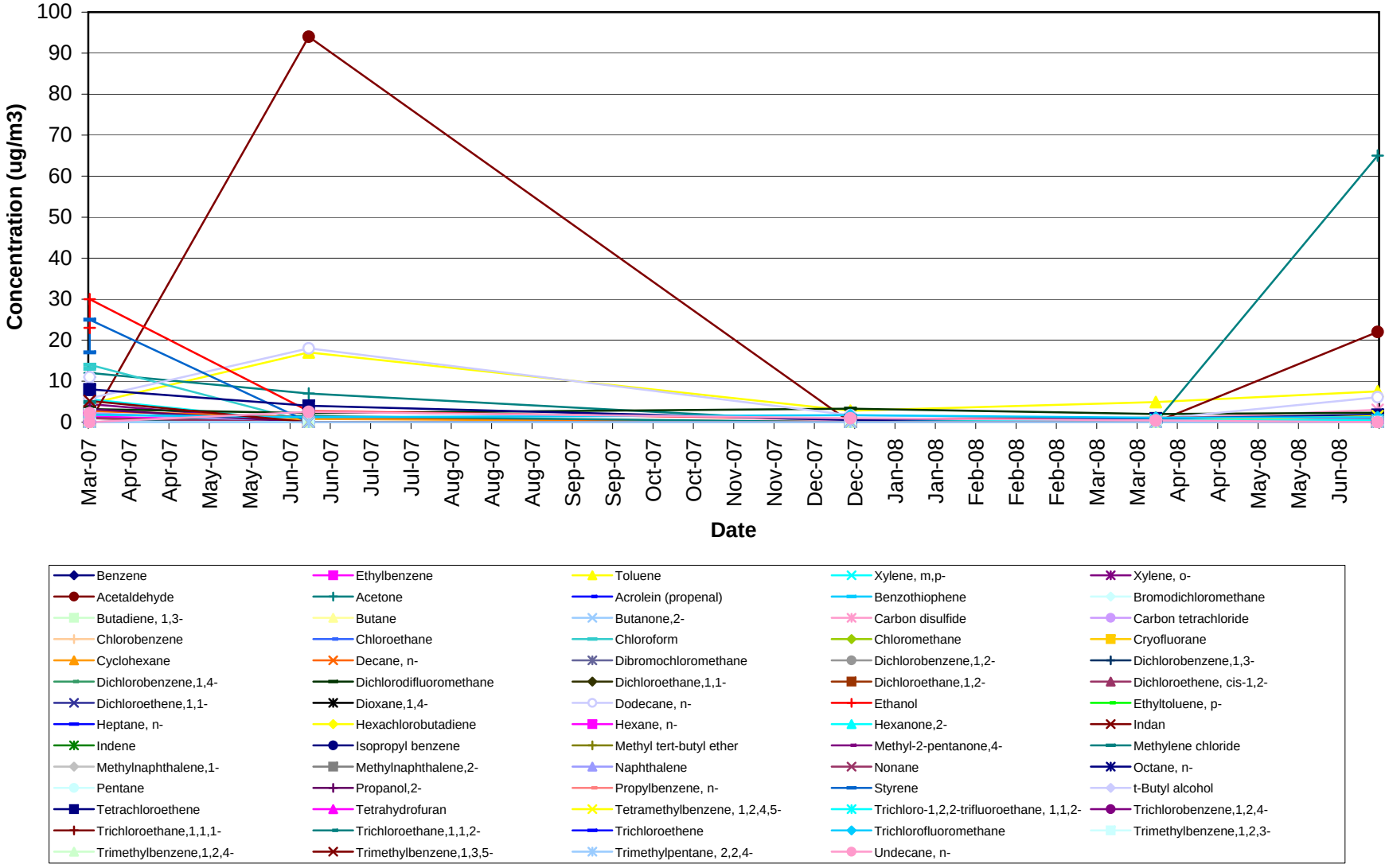
Appendix D
Soil Vapor Analytical Results
Operable Unit No. 2
Bay Shore/Brightwaters Former MGP Site

OU2SG13 BTEX



Appendix D
Soil Vapor Analytical Results
Operable Unit No. 2
Bay Shore/Brightwaters Former MGP Site

OU2SG14



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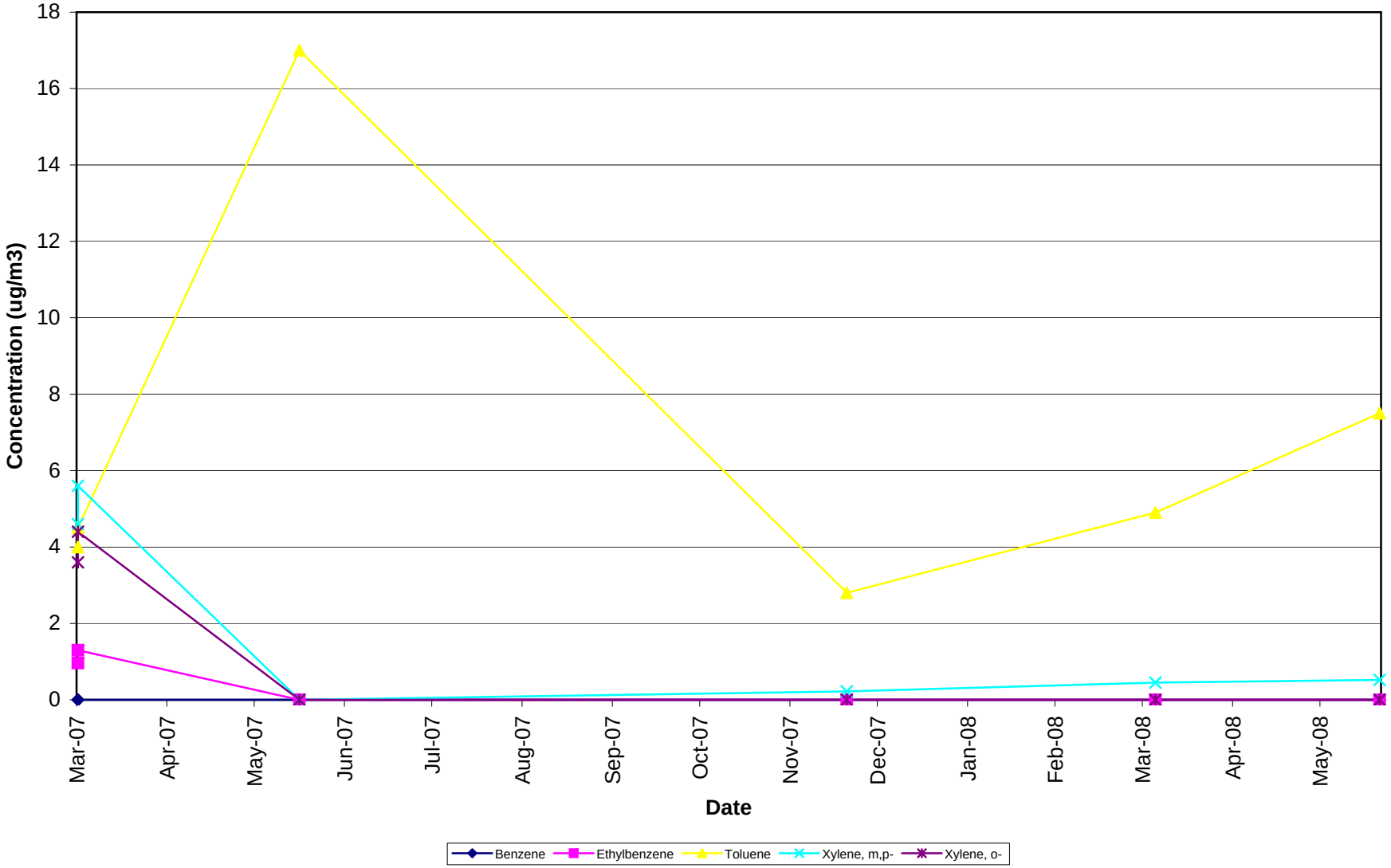
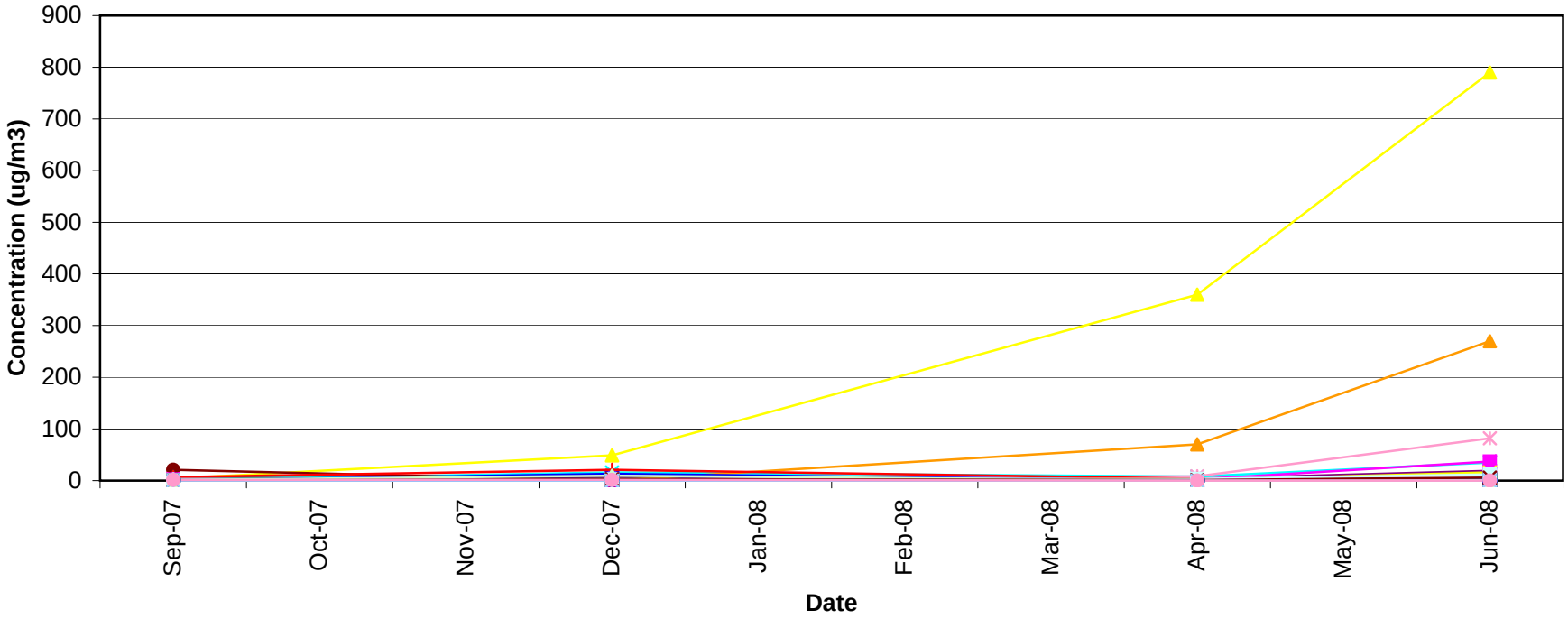
Soil Vapor Analytical Results
Operable Unit No. 2
Bay Shore/Brightwaters Former MGP Site

OU2SG14 BTEX



Appendix D
Soil Vapor Analytical Results
Operable Unit No. 2
Bay Shore/Brightwaters Former MGP Site

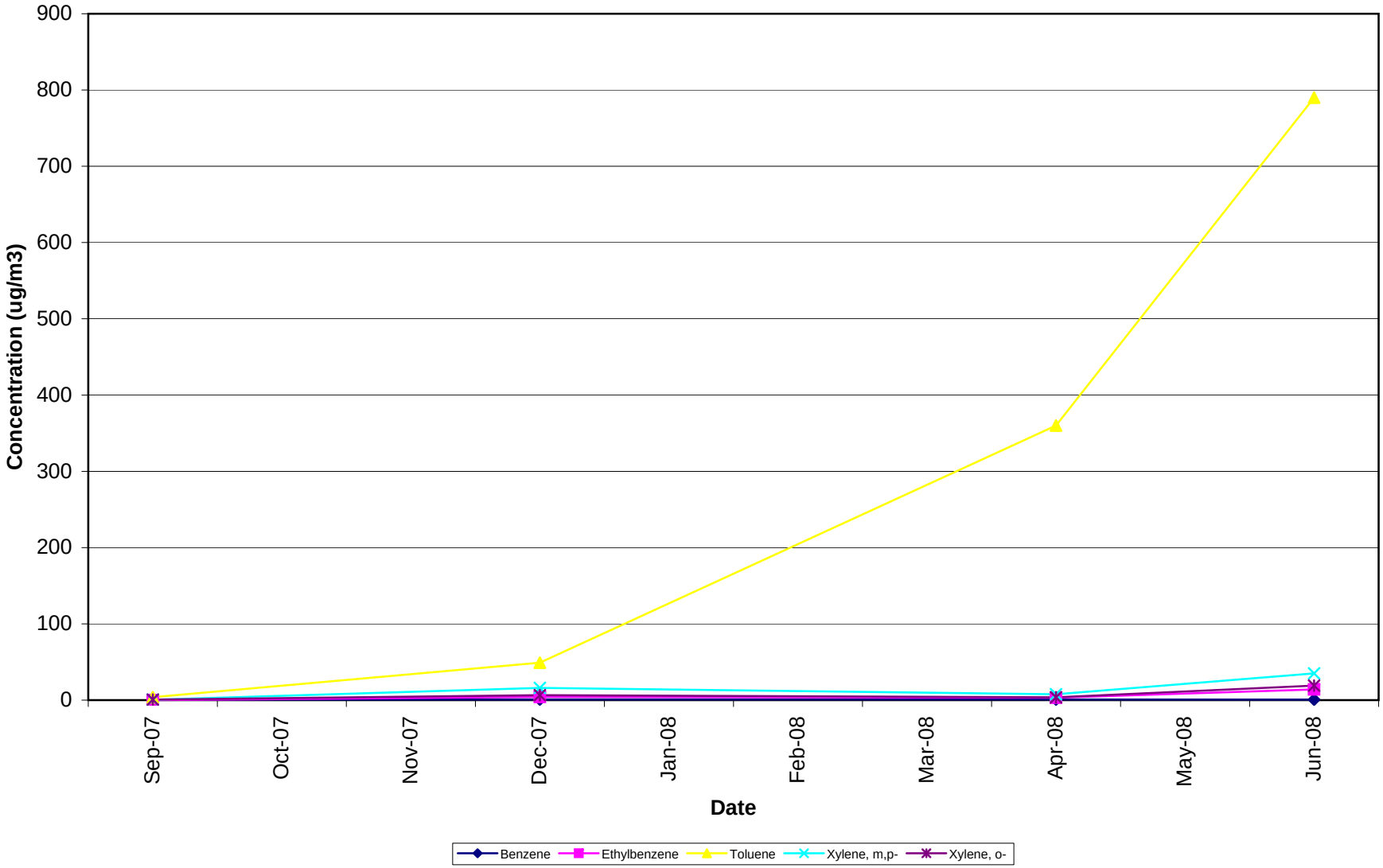
OU3SG01



Benzene	Ethylbenzene	Toluene	Xylene, m,p-	Xylene, o-
Acetaldehyde	Acetone	Acrolein (propenal)	Benzothiophene	Bromodichloromethane
Butadiene, 1,3-	Butane	Butanone,2-	Carbon disulfide	Carbon tetrachloride
Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Cryofluorane
Cyclohexane	Decane, n-	Dibromochloromethane	Dichlorobenzene,1,2-	Dichlorobenzene,1,3-
Dichlorobenzene,1,4-	Dichlorodifluoromethane	Dichloroethane,1,1-	Dichloroethane,1,2-	Dichloroethene, cis-1,2-
Dichloroethene,1,1-	Dioxane,1,4-	Dodecane, n-	Ethanol	Ethyltoluene, p-
Heptane, n-	Hexachlorobutadiene	Hexane, n-	Hexanone,2-	Indan
Indene	Isopropyl benzene	Methyl tert-butyl ether	Methyl-2-pentanone,4-	Methylene chloride
Methylnaphthalene,1-	Methylnaphthalene,2-	Naphthalene	Nonane	Octane, n-
Pentane	Propanol,2-	Propylbenzene, n-	Styrene	t-Butyl alcohol
Tetrachloroethene	Tetrahydrofuran	Tetramethylbenzene, 1,2,4,5-	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-	

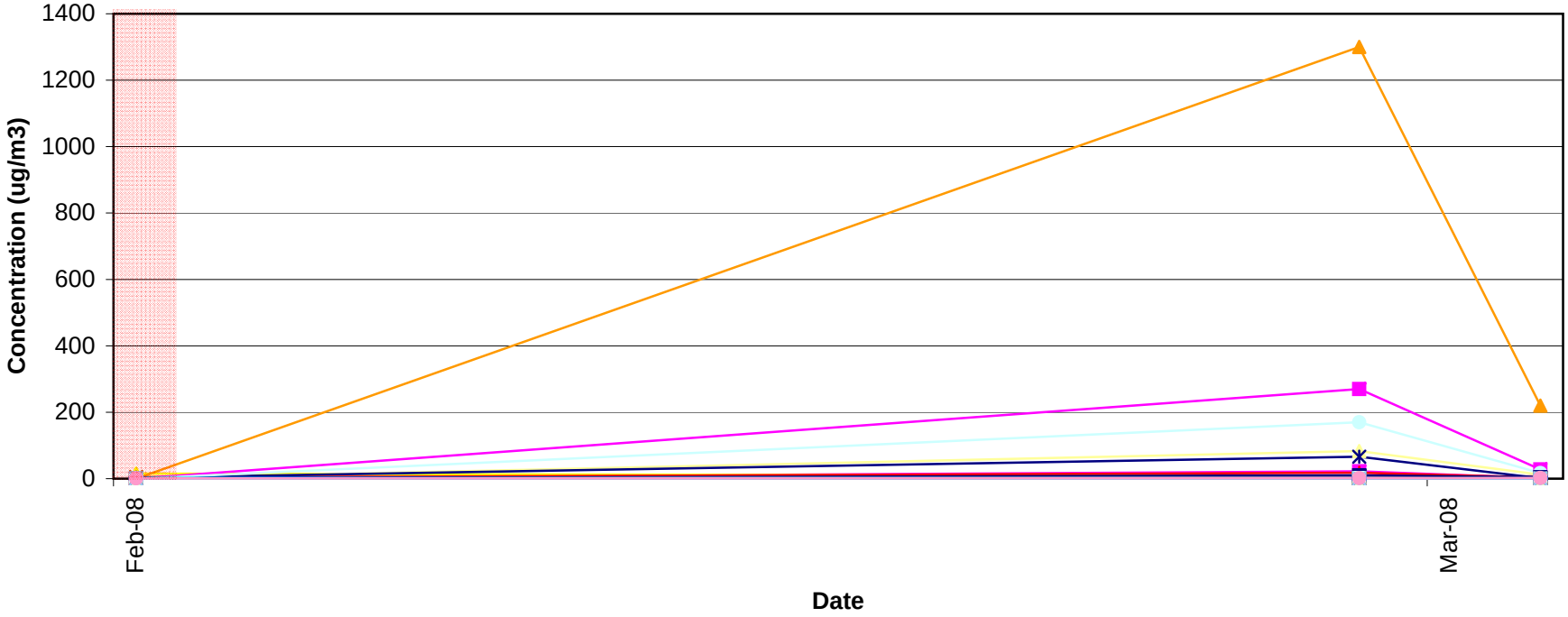
Appendix D
Soil Vapor Analytical Results
Operable Unit No. 2
Bay Shore/Brightwaters Former MGP Site

OU3SG01 BTEX



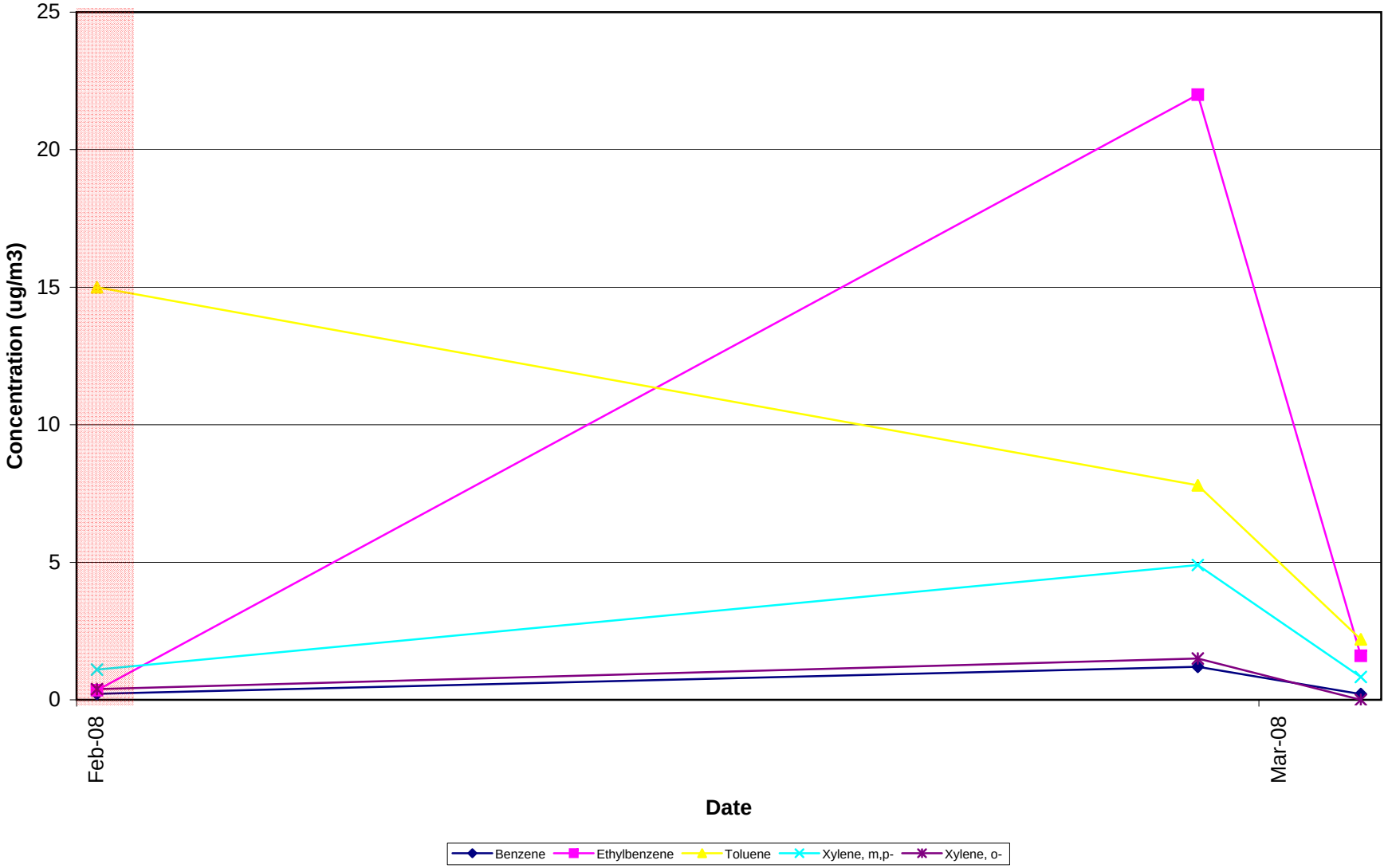
Appendix D
Soil Vapor Analytical Results
Operable Unit No. 2
Bay Shore/Brightwaters Former MGP Site

OZSG01



Appendix D
Soil Vapor Analytical Results
Operable Unit No. 2
Bay Shore/Brightwaters Former MGP Site

OZSG01 BTEX



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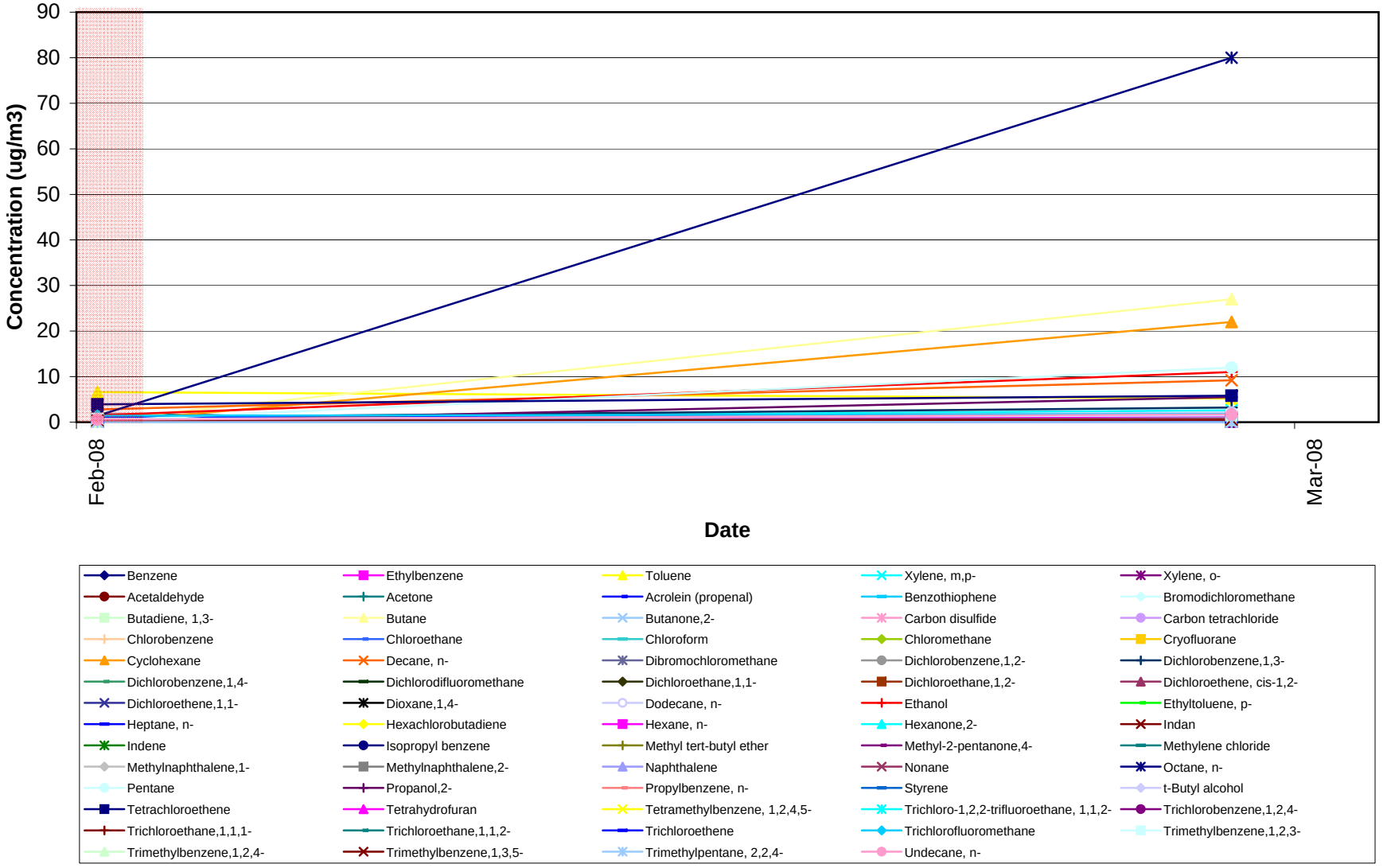
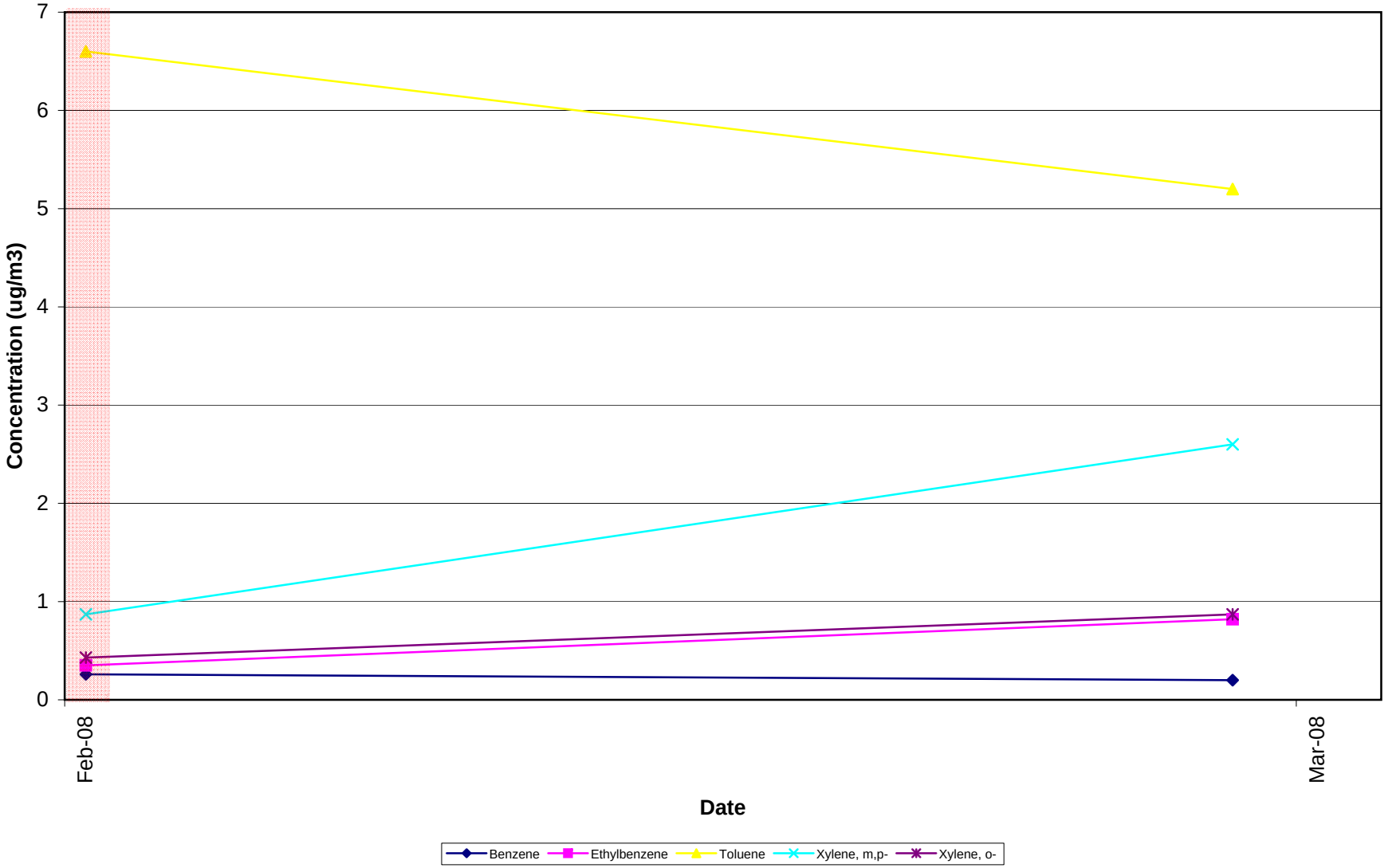
Soil Vapor Analytical Results
Operable Unit No. 2
Bay Shore/Brightwaters Former MGP Site

OZSG02



Appendix D
Soil Vapor Analytical Results
Operable Unit No. 2
Bay Shore/Brightwaters Former MGP Site

OZSG02 BTEX



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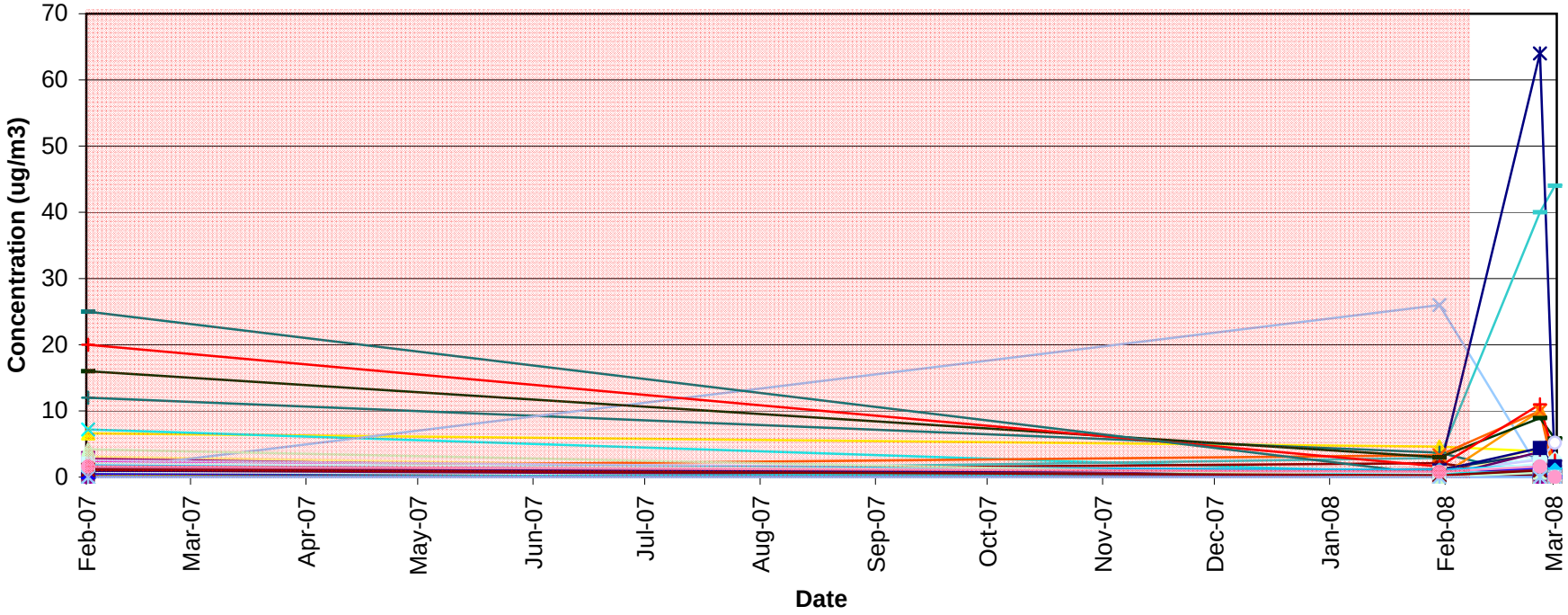
Soil Vapor Analytical Results
Operable Unit No. 2
Bay Shore/Brightwaters Former MGP Site

OZSG03



Benzene	Ethylbenzene	Toluene	Xylene, m,p-	Xylene, o-
Acetaldehyde	Acetone	Acrolein (propenal)	Benzothiophene	Bromodichloromethane
Butadiene, 1,3-	Butane	Butanone,2-	Carbon disulfide	Carbon tetrachloride
Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Cryofluorane
Cyclohexane	Decane, n-	Dibromochloromethane	Dichlorobenzene,1,2-	Dichlorobenzene,1,3-
Dichlorobenzene,1,4-	Dichlorodifluoromethane	Dichloroethane,1,1-	Dichloroethane,1,2-	Dichloroethene, cis-1,2-
Dichloroethene,1,1-	Dioxane,1,4-	Dodecane, n-	Ethanol	Ethyltoluene, p-
Heptane, n-	Hexachlorobutadiene	Hexane, n-	Hexanone,2-	Indan
Indene	Isopropyl benzene	Methyl tert-butyl ether	Methyl-2-pentanone,4-	Methylene chloride
Methylnaphthalene,1-	Methylnaphthalene,2-	Naphthalene	Nonane	Octane, n-
Pentane	Propanol,2-	Propylbenzene, n-	Styrene	t-Butyl alcohol
Tetrachloroethene	Tetrahydrofuran	Tetramethylbenzene, 1,2,4,5-	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-	

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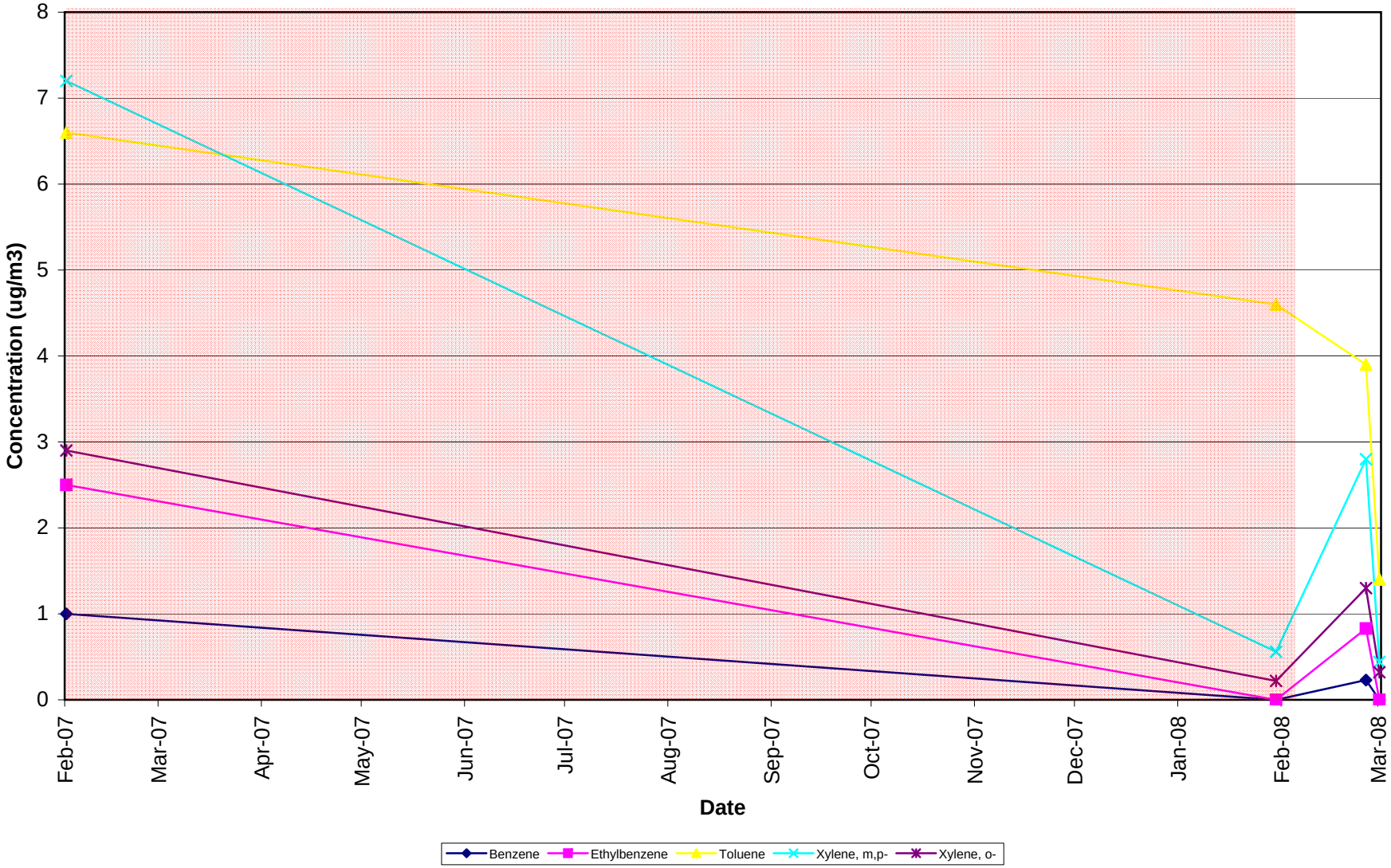
Soil Vapor Analytical Results
Operable Unit No. 2
Bay Shore/Brightwaters Former MGP Site

OZSG03 BTEX



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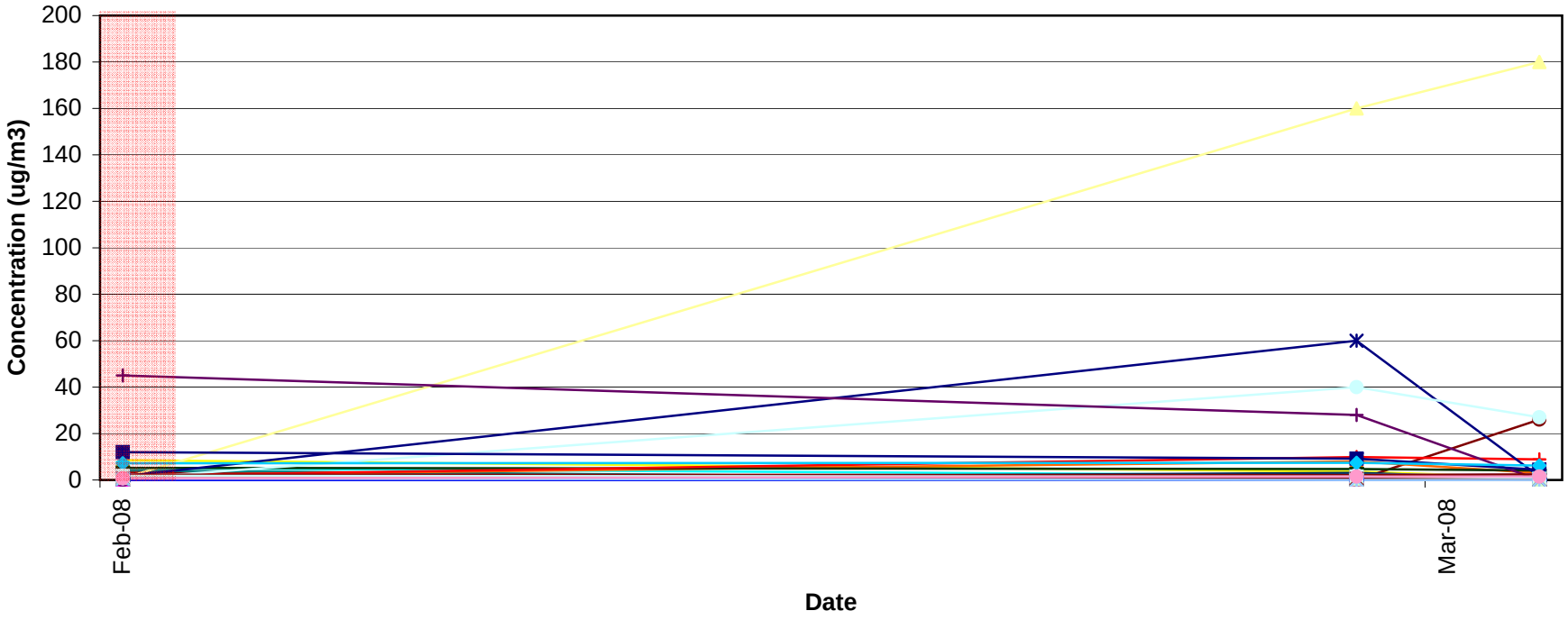
Soil Vapor Analytical Results
Operable Unit No. 2
Bay Shore/Brightwaters Former MGP Site

OZSG04



Benzene	Ethylbenzene	Toluene	Xylene, m,p-	Xylene, o-
Acetaldehyde	Acetone	Acrolein (propenal)	Benzothiophene	Bromodichloromethane
Butadiene, 1,3-	Butane	Butanone,2-	Carbon disulfide	Carbon tetrachloride
Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Cryofluorane
Cyclohexane	Decane, n-	Dibromochloromethane	Dichlorobenzene,1,2-	Dichlorobenzene,1,3-
Dichlorobenzene,1,4-	Dichlorodifluoromethane	Dichloroethane,1,1-	Dichloroethane,1,2-	Dichloroethene, cis-1,2-
Dichloroethene,1,1-	Dioxane,1,4-	Dodecane, n-	Ethanol	Ethyltoluene, p-
Heptane, n-	Hexachlorobutadiene	Hexane, n-	Hexanone,2-	Indan
Indene	Isopropyl benzene	Methyl tert-butyl ether	Methyl-2-pentanone,4-	Methylene chloride
Methylnaphthalene,1-	Methylnaphthalene,2-	Naphthalene	Nonane	Octane, n-
Pentane	Propanol,2-	Propylbenzene, n-	Styrene	t-Butyl alcohol
Tetrachloroethene	Tetrahydrofuran	Tetramethylbenzene, 1,2,4,5-	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-	

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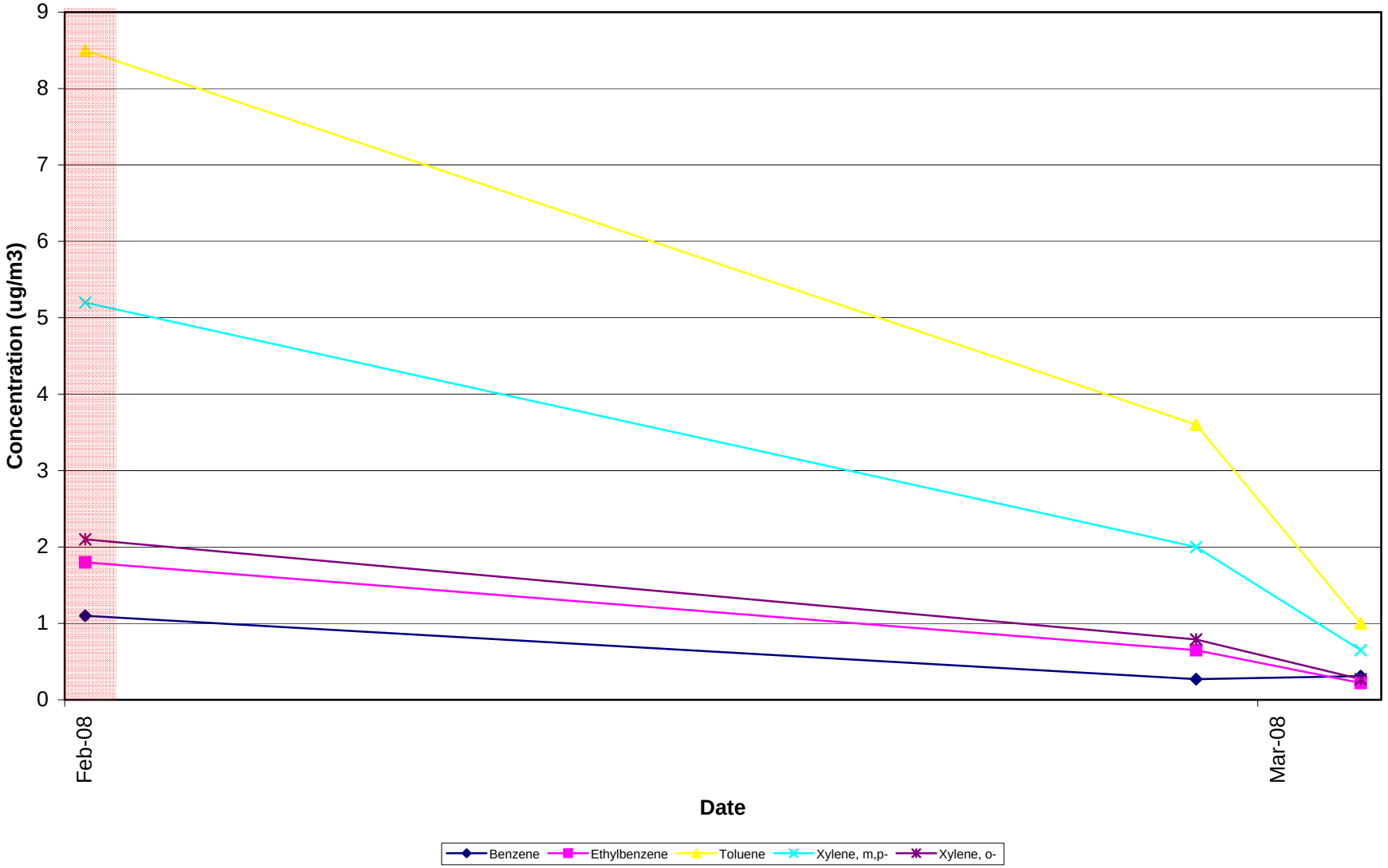
OZSG04 BTEX



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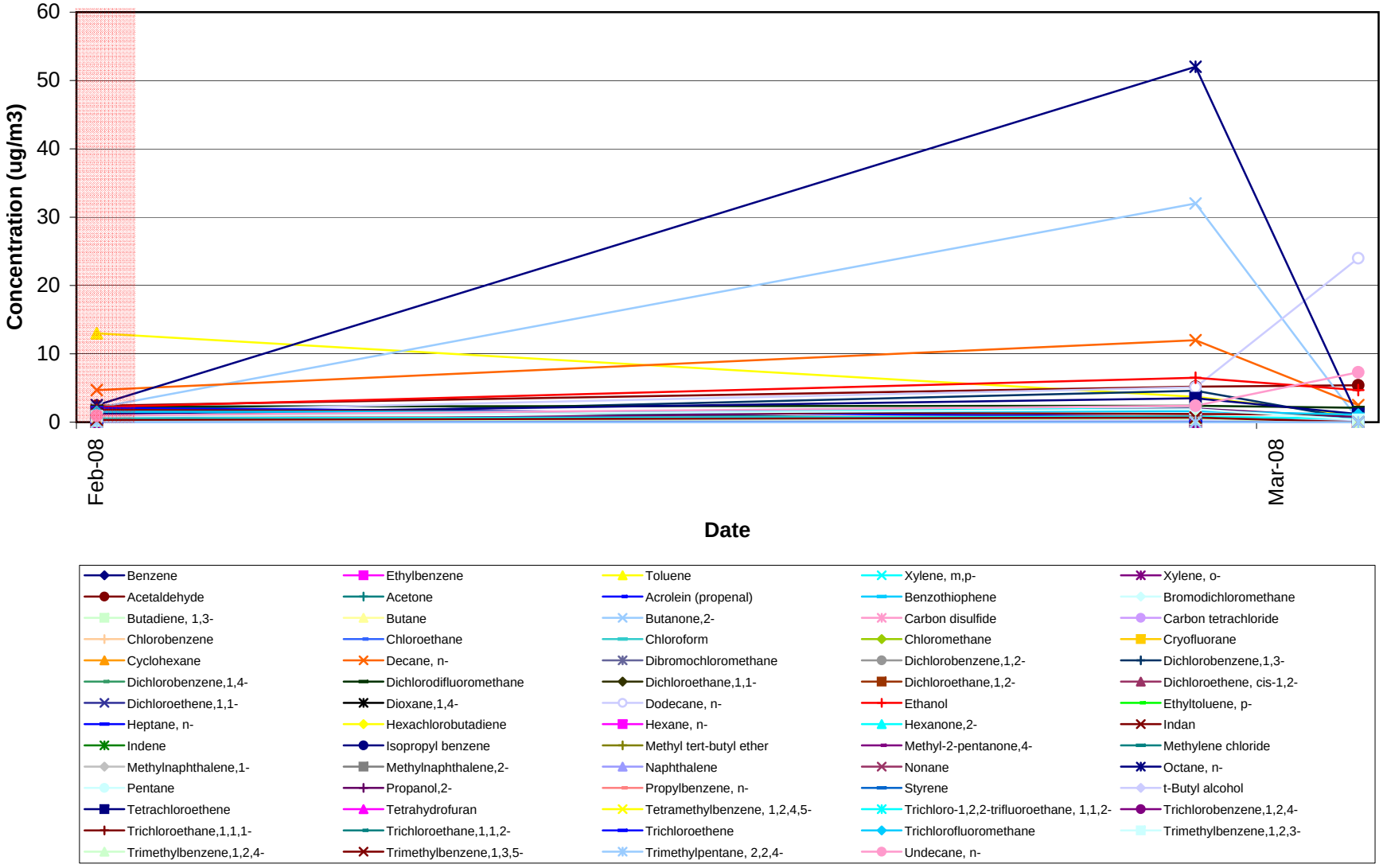
OZSG05



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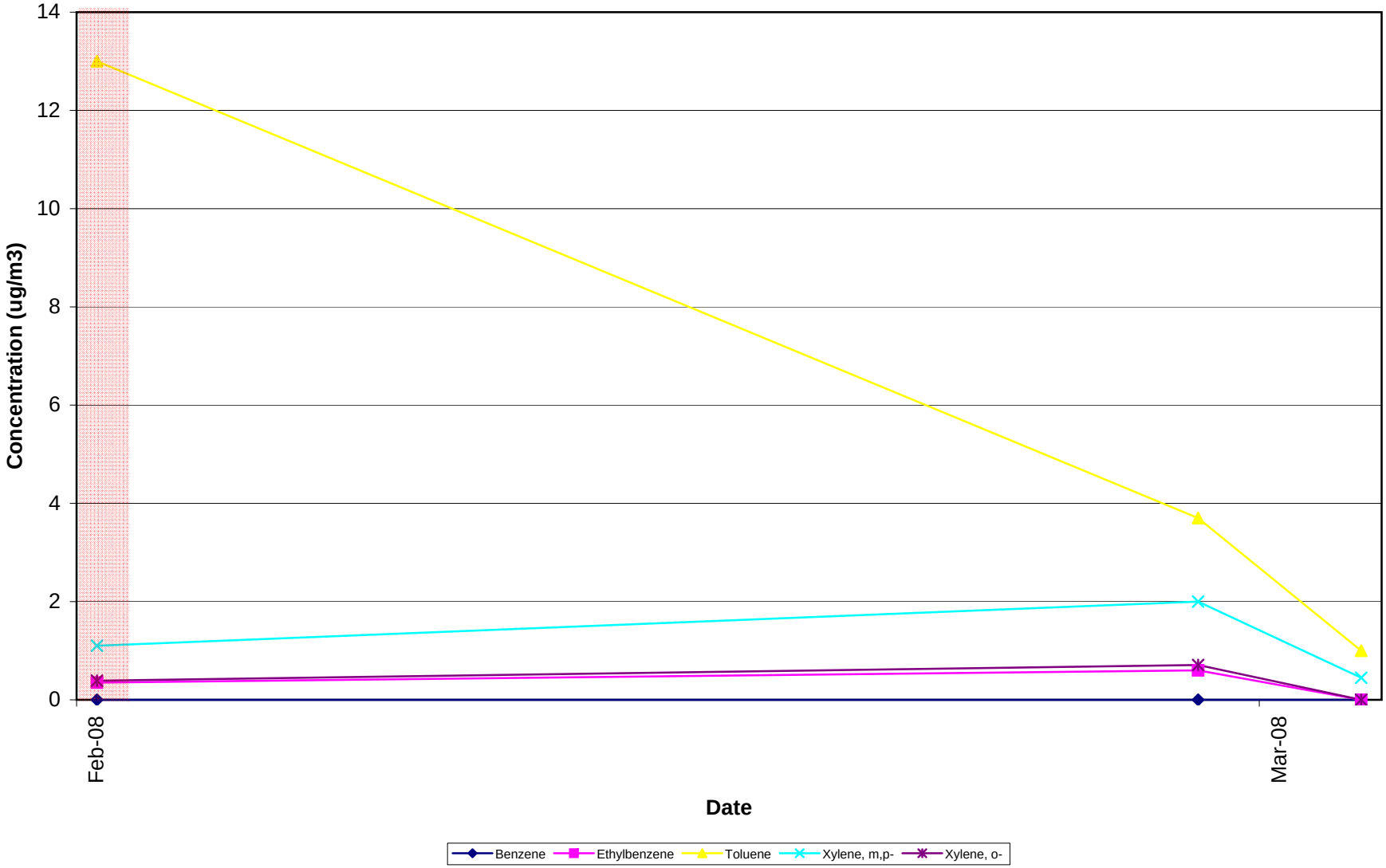
Bay Shore/Brightwaters Former MGP Site

OZSG05 BTEX



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