GEI Consultants

Geotechnical
Environmental and
Water Resources
Engineering

Community Air Monitoring Completion Report

Bay Shore/Brightwaters Former Manufactured Gas Plant Site (February 2007 – October 2008)

Bay Shore, Suffolk County, New York
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Abbreviations and Acronyms

AMS	Air Monitoring Station
ASTM	American Society for Testing and Materials
BTEX	Benzene, Toluene, Ethylbenzene, and Xylenes
CAMP	Community Air Monitoring Program
CLP	Contract Laboratory Program
COC	Chain of Custody
EPA	United States Environmental Protection Agency
GC	Gas Chromatograph
GEI	GEI Consultants, Inc.
HCN	Hydrogen Cyanide
MGP	Manufactured Gas Plant
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
OU-1	Operable Unit 1
PID	Photoionization Detector
ppbv	Parts Per Billion Volume
ppmv	Parts Per Million Volume
PM-10	Particulate Matter less than 10 micrometers in size
SOP	Standard Operating Procedure
TIGG	TIGG Corporation
TVOC	Total Volatile Organic Compound
VOC	Volatile Organic Compound
$\mu g/m^3$	Micrograms Per Cubic Meter

Executive Summary

National Grid retained GEI Consultants, Inc. (GEI) to conduct a Community Air Monitoring Program (CAMP) during the remediation of the Bay Shore/Brightwaters Former Manufactured Gas Plant (MGP) Site in Bay Shore, New York. This report presents the data collected during the CAMP, compares the data to pre-determined action levels, and documents response actions as required by the contingency plan. The CAMP began on February 21, 2007 and continued through October 3, 2008 employing seven fixed air monitoring locations and one downwind air monitoring location during Phase I and Phase II of remedial activities. Supplemental air monitoring was conducted in response to odors or public complaints. The CAMP Work Plan, dated July 2006, was submitted as an Appendix to the Remedial Design Report (PS&S, 2006), which was approved by the New York State Department of Environmental Conservation (NYSDEC) and the New York State Department of Health (NYSDOH).

Site Activities

The CAMP was in effect during remediation of soil and groundwater impacted by the former manufactured gas plant operations. Remedial activities were conducted on Operable Unit 1 in two phases, and monitoring occurred during both phases. Data were collected along the site perimeter and during contractor activities at each specific work zone. Remediation activities performed during the CAMP included the following:

Phase I - February 21, 2007 through June 19, 2008

- Removal and disposal of excavated impacted soils and materials
- Placement of backfill materials in remediated areas
- Pre-trenching for the installation of the Waterloo Barrier System
- Installation of the Waterloo Barrier System consisting of steel sheet piles with grout sealed joints and bentonite columns

Phase II - August 14, 2007 through October 3, 2008

- Removal and disposal of excavated impacted soils and materials
- Placement of backfill materials in the shallow excavation area
- Construction of a site-wide cap
- Installation of permanent steel sheeting along the Long Island Railroad right-of-way

Contingency Plan

A contingency plan was incorporated into the CAMP Work Plan. The plan employed a three-tiered classification and warning system based on pre-determined action levels.

- Site Condition 1. Normal or ambient air conditions where all target concentrations (e.g., total volatile organic compounds [TVOCs], particulate matter [PM-10]), etc.) are less than a predetermined level approaching an action level.
- Site Condition 2. Concentration of at least one target is greater than or equal to Site Condition 1 but less than the action level.
- Site Condition 3. Concentration of at least one target is greater than or equal to the action level.

The appropriate Site Condition was identified by comparing the data to the action levels and the contractor was notified to implement response actions to reduce levels, as necessary.

Results

The measured concentration of TVOC reached the alert level upwind of remedial activities on one occasion, August 31, 2007, and the contractor was notified. The concentrations of TVOC at downwind locations were measured below the action level so a Site Condition 1 remained. Outside of the one upwind occasion, concentrations were measured at Site Condition 1 during the Community Air Monitoring Program.

The measured concentration of dust reached the action level on three occasions, July 27, August 23, and September 20, 2007, and the contractor was notified. The contractor watered the ground surface in the work areas to control the dust, when applicable. On other occasions when dust reached high levels, wind direction and air monitoring station locations were evaluated. It was concluded the dust was a result of non-ground intrusive and/or non-impacted soil management activities. On most of these occasions, the high dust levels were the result of either off-site dust, equipment exhaust, or surface dust from clean fill and gravel deliveries. Based on the nature of these occurrences, it is unlikely that nearby receptors were affected.

Measured odor intensity reached the action level on two occasions during remedial activities. In response, odor suppressant foam was applied to the soil stockpile that caused the odors on May 1, 2007, and odor intensity returned to below the action level within fifteen minutes.

Naphthalene-like odors noted on July 26, 2007 reached the action level for a single fifteen-minute period during installation of steel sheet piles. The level of odors returned

to below the action level in the following fifteen minutes so GEI continued monitoring to establish a trend of data as a response action. GEI determined that since odors were no longer apparent, work stoppage was not necessary. Real-time and supplemental TVOC and naphthalene data remained below action levels on July 26, 2007.

Four public odor complaints were received and investigated during remedial activities. In response to each of these complaints, real-time air monitoring data, supplemental odor monitoring, and supplemental walk-around air monitoring data were reviewed. For each of these occasions it was determined that measured concentrations of TVOC, PM-10, odor, and hydrogen cyanide were below action levels.

In addition to real-time air monitoring, upwind and downwind air samples were collected each week and submitted for laboratory analysis. Benzene, toluene, ethylbenzene, and xylenes (BTEX) compounds were detected at low concentrations and since the concentrations did not differ significantly from upwind to downwind location did not indicate an on-site source of BTEX from remediation activities. Based on the small number of detected volatile organic compounds (VOCs) and low concentrations of detected compounds, any impact to the surrounding community was negligible.

The CAMP and mitigation controls were effective in controlling TVOC and PM-10, and the supplemental odor monitoring action levels triggered mitigative responses to further control potential off-site emission of TVOC and PM-10. As discussed above, the CAMP implemented by GEI and the response by on-site personnel, provided an early warning and detection system to prevent and/or mitigate potential off-site exposures to site-related contaminants associated with intrusive operations.

1. Introduction

National Grid retained GEI Consultants, Inc. (GEI) to conduct a Community Air Monitoring Program (CAMP) during the remediation of the Bay Shore/Brightwaters Former Manufactured Gas Plant (MGP) Site in Bay Shore, New York. A CAMP Work Plan (GEI, 2006) was developed based on the New York State Draft DER-10 Technical Guidance for Site Investigation and Remediation (New York State Department of Environmental Conservation [NYSDEC], 2002) and was approved by NYSDEC and the New York State Department of Health (NYSDOH) in July 2006. The Draft DER-10 Technical Guidance requires real-time air monitoring for volatile organic compounds (VOCs) and particulate matter (dust) at the site perimeter during ground intrusive activity at contaminated sites (NYSDEC, 2002).

1.1 Purpose and Objectives

The purpose of this CAMP was to monitor total volatile organic compounds (TVOCs), particulate matter, and odors and to provide an early warning system when concentrations approached action levels. The action levels were designed to prevent air borne off-site migration of site-related contaminants during remedial construction. Real-time air monitoring allowed National Grid and the construction manager to respond to concentrations approaching action levels by mitigating TVOCs, particulate matter, and odors in a short period of time.

The CAMP was conducted from February 21, 2007 through October 3, 2008 at the Bay Shore/Brightwaters Former MGP Site, Operable Unit 1 (OU-1). This report presents the methods, results, and conclusions of the CAMP during Phase I and Phase II of the remedial construction project. The construction contractor provided additional work zone monitoring with hand-held equipment near specific construction activities.

1.2 Site Setting

The Bay Shore/Brightwaters Former MGP Site is located in Bay Shore, Town of Islip, New York. OU-1 is bound to the north by Ackerson Street, to the east by Fifth Avenue, to the south by Union Boulevard and to the west by North Clinton Avenue. The Long Island Railroad bisects the site between Ackerson Street and Union Boulevard (Figure 1). A detailed description of OU-1 and remedial actions are presented in the *100% Remedial Design Report Phase 1: Subsurface Containment Barrier and Southern Cell Excavation* (PS&S April 2007). The site is currently owned by National Grid.

2. Methods

2.1 Community Air Monitoring Program

The CAMP equipment consisted mainly of seven real-time air monitoring station locations (AMS-1, AMS-2, AMS-3, AMS-4, AMS-5, AMS-6, and AMS-7) along the site perimeter and one meteorological station for determining and recording wind direction. The number and location of the air monitoring and meteorological stations varied depending upon the phase of remediation and location of work activity. Configurations of the stations on the site are shown in Figures 2A through 2E.

Each real-time air monitoring station recorded TVOC and particulate matter (PM-10) concentrations along the site perimeter. Particulate matter (dust) is commonly generated during construction projects and was controlled at this site using the action levels and mitigation actions described below.

The CAMP was supplemented with odor monitoring and laboratory analyses. Odors were measured as a function of naphthalene concentration using the zNose® ultra-fast gas chromatograph (Figure 3), and as odor intensity measurements based on the n-butanol scale (ASTM, 2004). Measurements were collected downwind of ground intrusive activities. The CAMP was also supplemented with walk-around air monitoring at perimeter locations during ground intrusive activity.

Time-weighted average VOC samples were collected once per week to demonstrate that the real-time air monitoring stations were effective in measuring concentrations of the target VOCs. The samples were collected in 6-liter summa vacuum canisters and submitted for laboratory analysis by United States Environmental Protection Agency (EPA) Method TO-15 modified to include naphthalene. Air Toxics Ltd., a NYSDOH-approved laboratory (Lab Id. 11291), performed the analyses.

Site Activities

GEI conducted the CAMP during following remediation construction activities:

Phase I Remedial Activities in OU-1

Southern Cell Excavation

February 21, 2007 through April 24, 2007

- Removal and disposal of excavated impacted soils and materials
- Placement of backfill materials in remediated areas

Barrier Wall Installation
April 24, 2007 through June 19, 2008

- Pre-Trenching for the installation of the Waterloo Barrier System
- Installation of the Waterloo Barrier System consisting of steel sheet piles with grout sealed joints and bentonite columns
- Removal and disposal of excavated impacted soils and materials
- Placement of backfill materials in remediated areas

Phase II Remedial Activities in OU-1
August 14, 2007 through October 3, 2008

- Removal and disposal of excavated impacted soils and materials
- Placement of backfill materials in the shallow excavation area
- Construction of a site-wide cap
- Installation of permanent steel sheeting along the Long Island Railroad right-of-way

Trained technicians and scientists operated the air monitoring equipment during each phase of remediation activities and responded to action levels to inform National Grid and the construction manager if concentrations were approaching action levels.

2.2 Contingency Plan

The air monitoring contingency plan used a three-tiered classification and warning system based on action levels to provide warning and mitigation procedures to prevent emissions from the site. The construction manager and National Grid were notified if concentrations were approaching or exceeding action levels for a 15-minute period and were potentially attributed to contaminated soil or water disturbed by remedial activities.

An action level is a contaminant concentration that triggers corrective response actions. Typical response actions are presented below.

- Site Condition 1. Normal or ambient air conditions where all target concentrations (e.g., TVOCs, PM-10, etc.) are less than a predetermined level approaching an action level.
- Site Condition 2. Concentration of at least one target is greater than or equal to Site Condition 1 but less than the action level.
- Site Condition 3. Concentration of at least one target is greater than or equal to the action level.

Action Levels

Action level concentrations for TVOCs and PM-10 were developed in accordance with the NYSDEC-, NYSDOH-approved CAMP. The CAMP Work Plan established additional action levels for odor based upon the ASTM n-butanol scale and hydrogen cyanide (HCN). Action levels were established for hydrogen cyanide in the event that purifier material was observed; however, purifier material was not encountered during remedial activities. Conservative action level concentrations allowed National Grid and the construction manager to take early corrective response actions to reduce measured contaminants. Potential corrective response actions were outlined by the contingency plan in Table 1 of the CAMP Work Plan (GEI, 2006). The contingency plan's three-tiered warning system was based on the following contaminant concentrations averaged over a fifteen-minute period:

Target	Action Level
TVOCs	5.0 ppmv
TVOCs (maximum allowable concentration)	25 ppmv
Particulate Matter (PM-10)	150 $\mu g/m^3$
Odor (ASTM E544-99 Method n-butanol scale)	3
Odor (naphthalene)	440 $\mu g/m^3$
HCN	1.0 ppmv

ppmv – parts per million volume
$\mu g/m^3$ – micrograms per cubic meter
ASTM – American Society for Testing and Materials
Target concentrations were averaged over a 15-minute period

2.3 Monitoring Equipment

Real-time Air Monitoring Stations

Real-time air monitoring was conducted using the AirLogics®, LLC perimeter air monitoring system. Each real-time monitoring station continuously measured TVOC and PM-10. Concentrations of individual BTEX compounds were monitored if the TVOC concentration reached Site Condition 2.

Each real-time air monitoring station consisted of a weather-tight enclosure housing instruments that continuously measured and recorded TVOCs and PM-10. A typical real-time fixed air monitoring station and internal components is shown in Figure 4. Each station transmitted data to a central computer system in the site project trailer once per

minute via radio telemetry. These data were used to calculate fifteen-minute averages for comparison to action levels to determine the Site Condition.

TVOC

A PhotoVac® Voyager gas chromatograph (GC) operated at each real-time air monitoring station. Each GC was calibrated daily using a certified standard isobutylene gas for TVOCs and a certified standard gas mixture for BTEX compounds. GC Inlet filters were changed weekly or more often, as needed. When operated in the TVOC operation mode, the GC analyzed air samples for TVOCs.

When TVOC concentrations reached Site Condition 2 (3.7 ppmv), the GC measured individual concentrations of BTEX in ambient air. After the analysis was completed, the GC returned to normal operation and continued measuring TVOC. Each BTEX analysis took approximately ten minutes to perform. If after the BTEX analysis the TVOC concentrations were still greater than 3.7 ppmv, another BTEX analysis was performed. This process of TVOC analysis and subsequent analysis of specific compounds continued until TVOC concentrations decreased to Site Condition 1. Compound speciation was triggered on August 31, 2007 and the resulting concentrations of BTEX compounds were non-detect.

Dust (PM-10)

A Thermo Electron Corporation® DataRAM portable real-time aerosol monitor was operated in each real-time air monitoring station to monitor PM-10 (dust). Ambient air was drawn across an impactor to separate particulate matter less than 10 micrometers in size from the air and then through a heated inlet tube to reduce moisture content in the air. Each aerosol monitor was zeroed and span checked daily during remedial construction activities. The inlet filter for the DataRAM was changed weekly and internal filters were changed, as needed, upon regular visual inspection.

System Performance

The central computer system was equipped with a text message paging system to provide notification if concentrations of TVOC or PM-10 reached Site Condition 2 or 3. The paging system was occasionally deactivated to troubleshoot malfunctions of the paging software and to avoid system startup errors. When activated, the paging system operated continuously 24 hours per day.

TVOC, BTEX, PM-10, and meteorological data were logged in the instruments located within each real-time fixed air monitoring station and were available as backup to the radio telemetry system. When radio telemetry to the central computer was interrupted by a power outage or a radio transmission failure, the remaining data were manually downloaded using a laptop computer. Under normal circumstances, the data loggers

were cleared after data telemetry was confirmed to maintain data logging storage space on each instrument.

Transmission failure and power outages occurred during episodes of inclement weather and when ground fault circuit interrupter outlets or circuit breakers were tripped. During these occasions, available data were manually downloaded and the system was restored to proper functionality after weather conditions improved. Non-site activity such as nearby road traffic and exhaust from diesel trucks and buses also caused high particulate measurement values.

Data Management

The data generated at each real-time fixed air monitoring station location were transmitted to the central computer system via radio telemetry where proprietary software translated the data into Microsoft Excel format for data analysis, interpretation, and reporting. Daily fixed air monitoring station data are included in Appendix A annotated with relevant site activity and maintenance notes.

Meteorological Monitoring

A Campbell Scientific, Inc., MetData1® meteorological station was operated on the site and monitored temperature, relative humidity, wind speed and wind direction for the duration of the CAMP. The station was relocated on several occasions due to the progressive locations of site activity. Wind direction data were used to determine the potential migration direction of TVOC, PM-10, and odors, and if concentrations that reached action levels were caused by site activity.

All instruments were mounted on a tower with wind speed and wind direction measured approximately 10 feet above the ground. Continuous 15-minute averages for each meteorological parameter were manually downloaded on a regular basis and stored to the project database. Raw meteorological data are included in Appendix B.

Supplemental Monitoring

Odor monitoring

The zNose® Model 4200/4300 Analyzer shown in Figure 3 was employed to monitor odors as a function of naphthalene concentration in the air and was positioned downwind of remedial activities along the site perimeter.

Odor as a function of naphthalene concentration was monitored over 15-minute periods using the zNose®. Naphthalene monitoring was conducted during intrusive remedial activities only or when operations involving contaminated soil or groundwater occurred.

The zNose® was positioned along the site perimeter downwind of remediation activities. Typically, two to four samples were analyzed for naphthalene concentrations over each 15-minute period and the samples were combined to produce a 15-minute average result. Instrument calibration was checked daily before and after use with known naphthalene concentration standards. Naphthalene concentrations over each 15-minute period were calculated from the mass of naphthalene detected, the sample time, and the sample flow rate which were recorded along with each measurement. Data from the zNose® were manually downloaded and stored to the project database. A summary of the daily zNose® naphthalene data are included in Appendix C.

The zNose® experienced technical problems on May 29, May 30, September 7, September 11, and November 8, 2007, and March 5 and March 19, 2008. No naphthalene concentration data were collected for these dates. Supplemental TVOC concentrations were collected at the downwind location on September 7, September 11, and November 8, 2007, and March 5 and March 19, 2008 that indicated no sustained odors or TVOC were present.

Odor intensity based on the American Society for Testing and Materials method E544-99 was recorded along with naphthalene concentrations. The zNose® operators were trained to use the method prior to site activities. A value of zero indicates that no odors are discernable while a value of three or more indicates that odors are stronger and that corrective action should be taken.

Walk-around monitoring

Supplemental walk-around perimeter air monitoring was conducted along the site perimeter to measure TVOCs, PM-10, and odor. Measurements were taken at locations in between fixed monitoring stations to provide supplemental measurements between the fixed stations during remedial activities.

TVOC concentrations were monitored and recorded using a RAE Systems MiniRAE Model 2000 Photoionization Detector (PID) while PM-10 concentrations were measured and recorded using a YSI DustTrak or ThermoElectron pDR-1200 portable real-time aerosol monitor equipped with a sampling pump. At each perimeter air monitoring location, the 15-minute average value of TVOC, PM-10, odor based on the n-butanol scale, sample time, sample location, and wind direction were recorded. These data were used to supplement the real-time air monitoring location data sets.

Hand-held portable equipment was calibrated according to the manufacturer's instructions. The PID was calibrated using a certified standard isobutylene gas prior to use each work day. The aerosol monitor was zeroed and the sampling pump checked regularly.

A multi-gas meter with a HCN sensor was available to measure HCN concentrations at the perimeter of the work area. Cyanide complexed as ferro-ferric cyanides can be associated with purifier materials at MGP sites. HCN concentrations were monitored during walk-around monitoring on occasion, but hydrogen cyanide was never detected during the Community Air Moniotoring Program.

2.4 Laboratory Analysis

Time-weighted average VOC samples were collected once per week at nominally upwind and downwind fixed air monitoring locations. Table 1 provides the sample location, date, and time of deployment. The samples were collected to demonstrate that the real-time fixed air monitoring stations were effective in measuring the concentration of the VOC target compounds and naphthalene. Samples were collected using humidified 6-liter evacuated canisters and analyzed for 63 individual chemicals using EPA Method TO-15 modified to include naphthalene. Pre-sample and post-sample canister vacuum was measured to verify sample collection over a period of approximately 8 hours. A total of 79 upwind and 81 downwind samples were collected throughout the CAMP implementation, as well as 12 duplicate samples and 8 blanks. Laboratory results are included in Appendix D. The most frequently detected compounds were compared to data collected as part of the NYSDEC Ambient Air Toxics Monitoring Program.

Evacuated canisters used for sample collection, trip blanks, and duplicates were batch certified as clean by the laboratory prior to delivery to the site. Chain of custody (COC) forms accompanied samples from initial vacuum measurement through sampling, transportation, and analysis at a certified laboratory and are available as part of the laboratory comprehensive deliverable packages in Appendix D. An experienced data validator conducted data validation on all laboratory results according to the *EPA Contract Laboratory Program (CLP) National Functional Guidelines for Organic Data Review (January 2005) and also EPA Region 2 Standard Operating Procedure (SOP) for the Validation of Organic Data Review (March 2001).* Procedures were modified, as necessary, for application to air data acquired using modified EPA methodologies. Data Usability Summary Reports and validated laboratory results are included in Appendix E.

2.5 Baseline and Remedial Activities Monitoring

Baseline Monitoring

Baseline real-time air monitoring was conducted using real-time air monitoring stations

to measure TVOCs and PM-10. TVOC and PM-10 data were monitored and recorded 24 hours per day for two days (December 13, 2006 through December 14, 2006) at the locations shown on Figure 2A. Upwind and downwind time weighted average VOC samples were collected on December 14, 2006 and analyzed for VOCs and naphthalene by EPA Method TO-15.

Baseline odor monitoring was conducted using the zNose® on the following five separate days: December 14, 2006, and February 22, 23, 26 and 27, 2007. Baseline odor monitoring locations are shown in Figure 5.

Remedial Activities Monitoring

Real-time air monitoring for TVOCs and PM-10 was conducted from February 21, 2007 to October 3, 2008. AMS-7 was utilized only during a portion of remedial activities from December 28, 2007 through June 19, 2008. Community air monitoring reports were completed on a weekly basis for the remedial operations at the site and can be found in Appendix F.

3. Results and Discussion

All of the 15-minute concentrations of TVOC were below the action level during all remediation activities. Concentrations reached the alert level on one occasion August 31, 2007; however, the air monitoring station (AMS) was located upwind of remedial activities. Since downwind concentrations were below the alert level, a Site Condition 1 remained. Outside of this occasion, concentrations were measured at Site Condition 1 during the CAMP.

The 15-minute concentrations of PM-10 were greater than or equal to the action level on three occasions July 27, August 23, and September 20, 2007 during remediation activities and the contractor was notified. Of these occasions, two were determined to be site-related based on upwind and downwind comparison as a Site Condition 3 on August 23 and November 16, 2007. The remaining occurrences were the result of non-ground intrusive and/or non-impacted soil management activities. Such occurrences did not trigger action levels or response actions. Non-ground intrusive and/or non-impacted soil management activities that caused high levels of PM-10 included equipment exhaust, grading of non-contaminated surface materials, off-site sources of dust such as heavy traffic, weather-related interferences, and equipment malfunctions.

The CAMP was conducted within the general site perimeter and, therefore, off-site emission sources were not always identifiable. Off-site vehicle exhaust, for example, has a high concentration of particulates and can cause elevated concentrations of PM-10 at air monitoring stations. Often the particulates dissipated quickly before an investigation could be initiated. Observations related to potential off-site sources are located in Appendix A.

The 15-minute concentrations of odor intensity were greater than or equal to the action level on two occasions during remediation activities. On each occasion, the levels persisted for a single 15-minute period before concentrations decreased. On May 1, 2007, vapors originating from an excavated soil stockpile caused a Site Condition 3. On July 26, 2007, the installation and removal of sheet piles caused a Site Condition 3.

Four public odor complaints were received and investigated during remedial activities. Details of the odor complaints can be found in subsection 3.2.2. On each of these occasions, supplemental air monitoring was conducted on or in the vicinity of the subject property and compared to data collected during the CAMP. Concentrations of TVOC, PM-10 and odor at real-time and supplemental air monitoring locations were measured below action levels at Site Condition 1.

3.1 Baseline Monitoring Results

Baseline real-time air monitoring data were collected from December 13, 2006 through December 14, 2006 at five AMSs shown on Figure 2A. Data from the baseline air monitoring are shown along with remediation activity data in Figures 6, 7, and 8. Baseline odor intensity and naphthalene concentration data were collected on December 14, 2006, and on February 22, 23, 26 and 27, 2007.

These baseline data are shown with Phase I data in Figures 6 and 7 and presented in this section of the report. Baseline data results are tabulated below and discussed in the following sections.

Target	Baseline Average	Baseline Maximum	Action Level
VOCs (ppmv)	0.2	0.4	5.0
Particulate matter (μg/m^3)	62	104	150
Odor intensity (n-butanol scale)	-	0	3
Naphthalene (μg/m^3)	-	<42	440
HCN (ppmv)	-	0.0	1.0

3.1.1 Real-Time Monitoring

Total Volatile Organic Compounds

Baseline TVOC concentration data are presented in Figure 6 (Real-Time Monitoring Total Volatile Organic Compound Concentration Data). The average 15-minute TVOC concentration measured from all five air monitoring stations during baseline air monitoring was 0.2 ppmv with a maximum of 0.4 ppmv measured at AMS-2 on December 13, 2006. All baseline TVOC concentrations were measured below the TVOC action level of 5.0 ppmv.

Particulate Matter

Baseline PM-10 concentration data are presented in Figure 7 (Real-Time Monitoring Particulate Matter Concentration Data). The maximum 15-minute average PM-10 reading for all real-time fixed air monitoring stations was 104 μg/m^3. The average 15-minute PM-10 concentration measured from all five AMSs during baseline air monitoring was 62 μg/m^3. All baseline PM-10 concentrations were measured below the PM-10 action level of 150 μg/m^3.

3.1.2 Supplemental Monitoring

Odor (naphthalene)

Baseline naphthalene concentration data are presented on Figure 8 (Supplemental Downwind Naphthalene Concentration Data). Naphthalene was not detected by the zNose® during the baseline air monitoring period. The site-wide average for the entire baseline air monitoring period was less than 42 µg/m^3 (8 parts per billion volume [ppbv])

Odor Intensity (n-butanol)

Baseline odor intensity measurements based on the ASTM n-butanol scale are shown on Figure 8. Baseline odors were measured at a level equivalent to zero on the n-butanol scale throughout the period.

3.1.3 Laboratory Results

Baseline time-weighted average VOC samples were collected on December 14, 2006 at upwind and downwind AMSs, AMS-4 and AMS-2, respectively. The samples were analyzed by EPA Method TO-15 modified to include naphthalene at Air Toxics Ltd. Laboratory in Folsom, California. Laboratory results are shown in Table 1 (Time-Weighted Average VOC Data Results) along with results for samples collected during remedial operations.

Acetone was the only VOC detected during baseline air monitoring and was detected in the upwind sample at a concentration of 13.1 µg/m^3. Acetone was detected several times during the remediation activities. Acetone is used by manufacturing companies and auto repair shops as a solvent and to produce other chemicals.

3.2 Remedial Operations Monitoring Results

Monitoring was conducted at the site during the period of remediation activities from February 21, 2007 through October 3, 2008. Operations were generally conducted from Monday through Friday, but there were occasional weekend activities when air monitoring was conducted during remedial activities.

Raw data from the real-time fixed station air monitoring system, naphthalene and odor intensity monitoring, supplemental walk-around air monitoring, and time-weighted average VOC results during remediation activities are provided electronically on CDs in the appendices of this report. These data were analyzed regularly during the project and daily maximum 15-minute concentrations of TVOC and PM-10 for each individual station were calculated.

The daily maximum 15-minute average represents the maximum 15-minute moving average concentration for the 24-hour period from 12:00 AM to 11:59 PM. Data were collected at a rate of one sample per minute at each monitoring location and averaged over a 15-minute period. The averaged concentrations are presented on Figures 6 and 7 as the range of maximum 15-minute averages for all stations on each day and the site-wide average for all stations operated on that day.

3.2.1 Real-Time Monitoring

Total Volatile Organic Compounds

The 15-minute average concentrations of TVOC were measured below the action level of 5.0 ppmv during remediation activities. On August 31, 2007 during the monitoring activities, the TVOC concentration at AMS-3 reached Site Condition 2 and ambient air was analyzed for BTEX compounds by the gas chromatograph. The gas chromatograph did not detect BTEX. TVOC concentrations returned to Site Condition 1 after the BTEX analysis. During this time, a pipe was uncovered during excavation activities. The construction manager was notified of the Site Condition 2 and foam was applied to the work area.

Particulate Matter (PM-10)

The 15-minute average concentrations of PM-10 were measured at Site Condition 2 (above 113 ug/m^3) or Site Condition 3 (above 150 ug/m^3) on several occasions during remediation activities. Most of these detections were attributable to on-site truck exhaust particulate matter emission and on-site vehicle traffic introduction of PM-10 from the ground to the atmosphere. Some elevated levels of particulate matter were detected but were a result of non-ground intrusive and/or non-impacted soil management activities overnight and on weekends. Others were detected upwind of the remedial activities. Additionally, equipment malfunction and inclement weather (rain, humidity) affected the operation of the monitoring equipment producing false elevated PM-10 concentrations corresponding to high humidity. The 15-minute data and comments are shown on Figure 7.

During the hot summer months of June, July, and August in both 2007 and 2008, the site was often dry and dusty or hot and humid. Both of these conditions caused site-wide PM-10 concentrations to be measured at higher levels than at other times of the year due to construction vehicle traffic, or water soaked dust particles that caused false spikes in the data set. Dust suppression techniques were used extensively during the summer months using spray hoses and a spray truck to suppress dust levels. These techniques were found to be successful in reducing the 15-minute averages of PM-10, when

implemented. An air purification system was also operated on the temporary tent structure during excavation to prevent airborne material from exiting the structure.

Some site activities, such as welding, were detected by the real-time system and were communicated to the site team; however, these instances were short in duration and the airborne material was not MGP-related.

Meteorological Monitoring Results

The raw meteorological monitoring station data are included in Appendix B and a wind rose of the data is shown on Figure 9. The wind rose represents the distribution of wind directions throughout CAMP operations. Wind direction data were used during the remedial operations to determine upwind and downwind sampling locations.

3.2.2 Supplemental Monitoring

Odor (naphthalene)

Figure 8 shows the daily maximum 15-minute average downwind naphthalene concentration for each day. On days when naphthalene was not detected by the instrument, the detection limit for the instrument is shown. Concentrations of naphthalene during both Phase I and Phase II activities remained below the action level during remediation activities.

Odor Intensity (n-butanol)

Figure 10 (Supplemental Downwind Odor Intensity Data) shows the daily maximum 15-minute downwind odor concentration based on the n-butanol scale for each day. The level of odor intensity reached action levels at AMS-2 on May 1, 2007 and also on July 26, 2007. Odors on May 1, 2007 were caused by vapors volatilizing off of an excavated soil stockpile, which was quickly foamed. Odors on July 26, 2007 were caused by the installation and removal of sheets.

Public Odor Complaint - 29 Community Drive

A public odor complaint was received from a resident of 29 Community Drive on Tuesday, August 28, 2007. Naphthalene and odor intensity monitoring was conducted outside the residence. A National Grid representative and a NYSDEC representative accompanied GEI during the monitoring. Naphthalene was not detected outside the residence (<61 ug/m^3). Naphthalene-like odors were noted from a nearby street paving operation with an odor intensity less than the action level (<3 on the n-butanol scale).

Public Odor Complaint - 122 Fifth Avenue

A public odor complaint was received from a resident of 122 Fifth Avenue on Thursday, October 18, 2007, regarding odors on Monday, October 13 at approximately 11:15 pm. No remedial activity took place during that time.

After receiving the complaint on October 18, 2007, odor intensity monitoring and TVOC monitoring was conducted outside the residence. A National Grid representative and a NYSDEC representative accompanied GEI during the monitoring. Odor intensity was measured less than the action level (<3 on the n-butanol scale) and TVOCs were detected below the action level of 5.0 ppmv.

Public Odor Complaint - 6 Ackerson Street

A public odor complaint was received on Tuesday, November 20, 2007 and Tuesday, March 25, 2008, from the property owner of 6 Ackerson Street. On November 20 the property was upwind of remedial activities. On March 25 the wind direction varied and the property was both upwind and crosswind of remedial activities. On both occasions the data collected from the real-time air monitoring stations and supplemental odor and hand-held air monitoring data measured TVOCs, PM-10, naphthalene concentration, and odor intensity below action levels.

Walk-Around TVOC, PM-10 and Odor Intensity Monitoring

Figures 11 (Supplemental Walk-Around Total Volatile Organic Compound Concentration Data), 12 (Supplemental Walk-Around Particulate Matter Concentration Data) and 13 (Supplemental Walk-Around Odor Intensity Data) represent the maximum TVOC, PM-10 and odor intensity values recorded during daily walk-around monitoring.

The levels of TVOC and PM-10 remained at a Site Condition 1 throughout remedial operations monitoring. Odor intensity on May 1, 2007 reached action levels during remediation due to vapors volatilizing off of an excavated soil stockpile. Vapors were quickly mitigated through the application of odor suppressant foam and odor intensity returned to a Site Condition 1.

Downwind TVOC and PM-10 Monitoring

Figures 14 (Supplemental Downwind Total Volatile Organic Compound Concentration Data) and 15 (Supplemental Downwind Particulate Matter Concentration Data) represent the daily maximum TVOC and PM-10 values recorded at the downwind monitoring location each day. Downwind TVOC concentrations remained at a Site Condition 1 for

the duration of remedial operations monitoring. Downwind PM-10 concentrations were recorded at a Site Condition 2 on May 10, 2007 for a single 15-minute period due to grading of the site surface by a loader. PM-10 was mitigated by the application of water as requested by GEI.

HCN

The CAMP Work Plan established that HCN would be monitored if purifier materials were encountered; however, no purifier materials were encountered during the remedial activities. HCN monitoring was occasionally performed during times where concerns were raised as to the possibility of encountering purifier materials during excavation and was not detected.

TIGG air-purifier units

Work zone monitoring was performed by the construction contractor and included inspection of the TIGG Corporation (TIGG) air-purifier units attached to the temporary tent structure. These units served as an air filtration system during times of excavation within the tent structure and were monitored regularly during the day. Proper functioning and monitoring of the TIGG air-purifier units reduced emissions of TVOC or PM-10 from the tent structure and the construction contractor maintained daily logs. The logs were appended to each weekly CAMP monitoring report from December 30, 2007 through August 2008. Review and analysis of the TIGG air-purifier units and the logs were not part of the scope of services provided by the CAMP.

3.2.3 Laboratory Results

Time-weighted average ambient air samples were collected weekly for laboratory analysis of VOCs by EPA Method TO-15, modified to include naphthalene. Sixty-three individual VOCs were analyzed and reported. Twenty-nine compounds were detected in one or more samples. The most frequently detected compounds (ten or more detections) were toluene, m,p-xylene, acetone, 2-butanone (methyl ethyl ketone), carbon disulfide, dichlorodifluoromethane, ethanol, and n-hexane. Naphthalene was not detected in any of the upwind or downwind samples.

Time-weighted average VOC sample locations were determined on the morning prior to sample collection based on the local wind direction on the site. The purpose of these samples was to demonstrate that the real-time monitoring station was effective in measuring VOCs at fixed stations and that the control activities triggered by the real-time monitoring were effective in mitigating potential off-site exposures to site-related contaminants associated with intrusive operations. Table 1 provides the analytical results

including contaminants associated with MGP-remediation activities such as total BTEX and naphthalene.

Real-time air monitoring and time-weighted average VOC sampling employ different methods of detection that prevents a direct comparison between the data sets. The real-time air monitoring system uses a PID capable of detecting VOCs and other vapors that can be ionized by the lamp. Time-weighted average VOC sampling uses the laboratory EPA Method TO-15 consisting of a target list of sixty-three VOCs. Real-time air monitoring using a PID is a useful screening tool to monitor the general abundance of volatile organics present in the in the air; however, the list of chemicals detected by a PID at a given time is not specific and, therefore, not easily comparable to the list of chemicals detected by TO-15. Both sampling methods indicate that the concentration of VOCs was significantly below the action level of 5.0 ppmv. For example, the highest total BTEX concentration collected during remedial activities was collected on May 24, 2007. This sample contained a concentration of total BTEX at 0.16 ppmv (590.4 $\mu g/m^3$).

The weekly time-weighted sampling included 178 samples and is adequate to characterize the VOC concentrations during site remediation. The time-weighted average and real-time total VOC results showed that only minor levels of VOCs were observed during remediation activities. As such, the time-weighted average VOC results show that the real-time monitoring effectively measured TVOC concentrations below the action level.

High levels of toluene were reported in the upwind AMS-6 sample collected on May 24, 2007. Work for the barrier wall installation took place near AMS-5 and AMS-6 during this time. Daily activity included sheet driving, cutting, welding, and grouting, front loader moving soils, and excavation filling and compacting. Real-time monitoring measured TVOC concentrations at AMS-4 and AMS-5 at higher concentrations than were measured most other days; however, the 15-minute average concentrations did not exceed the action level of 5.0 ppmv at any time during the day.

For comparative purposes, the time-weighted VOC results were compared to data collected as part of the NYSDEC Ambient Air Toxics Monitoring Program. Of the 20 sample locations located throughout New York State, College Point P.O. (Site #7096-06) located in the Borough of Queens, was selected for comparison as a similar urban setting. Sample collection methodology differs from the NYSDEC study and this monitoring program. However, the NYSDEC data provides a point of comparison to understand the results derived during this study.

Toluene and m,p-xylene were the most frequently detected BTEX compound at the site. Toluene had an average concentration of 2.8 $\mu g/m^3$ from 178 samples. The average

toluene concentration from College Point P.O. in 2003 (the most recent year reported) was 9.7 µg/m^3. M,p-xylene had an average concentration of 3.8 µg/m^3, compared to 2003 College Point P.O. data for m,p-xylene listed at 2.4 µg/m^3. Benzene, ethylbenzene, and o-xylene were detected individually in less than 10 percent of the samples collected at the site. The average concentrations of all constituents were within 5 µg/m^3 of the average concentrations as reported in the 2003 College Point P.O. location. In general, the BTEX concentrations detected during this CAMP are consistent with average background concentrations collected from a site similar in its location and urban setting.

Several VOCs other than BTEX and naphthalene were detected (Table 1). None of these chemicals are considered to be the result of remediation activities; however, it is possible that a source of these compounds exists on-site or in the immediate vicinity.

The site is located in an urban environment; it is adjacent to major roads (vehicular exhaust), a railroad (solvents, paints and lacquers), and a number of auto body and repair shops (paints, lacquers and solvents). These operations represent likely sources of these chemicals. A fuel source (gasoline or diesel) does not appear likely, as concentrations of BTEX, methyl benzenes and naphthalenes (which are much more abundant constituents of fuels) are not present at expected relative concentrations.

Time-weighted average VOC samples were collected over an 8-hour period. The positions of the stations were fixed and established based on prevailing wind direction at the start of the remediation activities. Wind direction was variable and at times switched direction during the day causing the stations to not represent upwind and downwind conditions. To account for this fluctuation and to assess the effectiveness of the upwind and downwind sample data, average wind direction was calculated for each sample deployment. A subset of data was identified where wind direction varied by a small amount during the day. An optimal wind direction was identified for each sampling date and a 45-degree tolerance was assigned to the optimal wind direction. On-site meteorological data was reviewed to determine if wind direction on the sample date was measured within the tolerance specified, and if the standard deviation of wind direction was low (below 45 degrees). Thirteen of 82 samples matched these criteria and were selected for further analysis since they provide a strong upwind and downwind sample comparison (Table 2 - Time-Weighted Average VOC Sampling Times, Wind Directions, and Locations).

Table 3 provides all analytical data collected from the subset for BTEX and naphthalene. Results are categorized into upwind and downwind location by sample event. All detections are shaded. Non-shaded values indicate analytical reporting limits for non-detected results.

Figure 16 provides a graphical representation of the BTEX detections from Table 3. Sample events with no difference in upwind and downwind concentrations follow a direct positive linear regression (R^2=1). Sample points that vary from this linear regression indicate a variation in upwind or downwind concentrations.

Due to the abundance of non-detects, all of the compounds illustrated are clustered around the reporting limit near 5 µg/m^3. Naphthalene was not detected in any of the samples but had higher reporting limits near 15 µg/m^3.

Notable variations in upwind and downwind concentrations are depicted on Figure 16. The detections with higher upwind concentrations were collected at AMS-6 located near the intersection of the Long Island Railroad and North Clinton Avenue. These detections of all BTEX compounds are consistent with migration of vehicular exhaust from off-site sources. Detections with significantly higher downwind samples were limited to toluene and m,p-xylene. The two downwind samples were collected from AMS-2. The detected concentrations may be a result of site activity; however total BTEX concentrations remained below the alert level of 3.7 ppmv.

There is no strong evidence to support differences in upwind and downwind BTEX concentrations. The detections of BTEX compounds were minor in concentration and not indicative of an on-site source of BTEX from the remediation activities. Several data points suggest that vehicular exhaust from surrounding roads, railroad traffic, and auto repair shops in the surrounding areas may represent off-site sources.

As mentioned in subsection 3.1.3, only acetone was detected in baseline air monitoring samples. Acetone was also detected several times during the remediation activities. This compound is not associated with MGP remediation and derived from other sources.

4. Conclusions

Baseline air monitoring identified the possibility for on-site activities to potentially trigger action levels for VOCs or particulate matter (dust) during remedial activities.

Concentrations of TVOCs were measured below the action level of 5.0 ppmv during remedial activities.

The measured concentration of dust reached the action level of 150 ug/m^3 on three occasions July 27, August 23, and September 20, 2007 and the contractor was notified. The action level for particulate matter was usually caused by diesel engine exhaust, vehicle traffic, off-site activities, or humidity effects on the particulate monitors. It was often recommended to the contractor to water down the surface soils when concentrations approached alert action levels which was effective at controlling particulate matter. At times, particulate matter was measured above the action level during the night or on weekends or were detected upwind of the remedial operations. These times were a result of non-ground intrusive and/or non-impacted soil management activities.

In addition to GEI requests for dust control, the contractor regularly watered down the surface soils using hoses and spray trucks to significantly reduce particulate matter in the air during remedial activities.

Measured odor intensity reached the action level on two occasions during remedial activities. Odor suppressant foam was applied to the soil stockpile that caused the odors on May 1, 2007, and odor intensity returned below the action level within fifteen minutes. Naphthalene-like odors noted on July 26, 2007 returned to below the action level within fifteen minutes so mitigation and work stoppage was not required.

The time-weighted average and real-time total VOC results suggest only minor VOC concentrations were present during remediation activities. In general, BTEX concentrations detected during this CAMP are consistent with those collected in a similar urban setting. The detections of BTEX compounds were minor in concentration and not indicative of an on-site source of BTEX from remediation activities. Since the relative difference between upwind and downwind BTEX concentrations was minimal, there is no strong evidence to support an on-site source of BTEX compounds. Potential off-site sources can be found in subsection 3.2.3, paragraph 8.

The CAMP and mitigation controls were effective at controlling TVOC and PM-10 and the supplemental odor monitoring action levels triggered mitigative responses to further

control potential off-site emission of TVOC and PM-10. The CAMP implemented by GEI and the response by on-site personnel, provided an early warning and detection system to prevent and/or mitigate potential off-site exposures to site-related contaminants associated with intrusive operations.

5. Limitations

This report was prepared exclusively for the use of National Grid. The conclusions presented in this report are based solely on the information presented in this report and in previous reports we prepared for this site. Additional quantitative information regarding the site may result in a modification of our findings, herein. This report has been prepared in accordance with generally accepted air monitoring practices. No warranty, expressed or implied, is made.

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Tables

Table 1
Time-Weighted Average VOC Data Results
Community Air Monitoring Completion Report
Bay Shore/Brightwaters Former MGP Site
(February 2007 - August 2008)
February 2009

Sample Name: / Sample Date:	CAS number	UW-AMS4+100N 12/14/2006	DW-AMS2 12/14/2006	UW-AMS-1 2/23/2007	DW-AMS-3 2/23/2007	AMS4-UW 3/8/2007	AMS2-DW 3/8/2007
BTEX (ug/m^3)							
Benzene	71-43-2	2.7 U	2.7 U	2.1 U	2.1 U	2.5 U	2.4 U
Toluene	108-88-3	3.2 U	3.2 U	2.5 U	2.5 U	2.9 U	**3.5**
Ethylbenzene	100-41-4	3.6 U	3.6 U	2.9 U	2.9 U	3.4 U	3.3 U
Xylene, m,p-	108383/106423	3.6 U	3.6 U	2.9 U	2.9 U	3.4 U	**5.2**
Xylene, o-	95-47-6	3.6 U	3.6 U	2.9 U	2.9 U	3.4 U	3.3 U
Other VOCs (ug/m^3)							
Acetone	67-64-1	**13.1**	8.1 U	6.2 U	6.4 U	**59.4**	**21.9**
Allyl chloride	107-05-1	10.6 U	10.6 U	8.1 U	8.5 U	9.7 U	9.4 U
Benzyl chloride	100-44-7	4.3 U	4.3 U	3.4 U	3.5 U	4 U	3.9 U
Bromodichloromethane	75-27-4	5.6 U	5.6 U	4.4 U	4.5 U	5.2 U	5.1 U
Bromoform	75-25-2	8.7 U	8.7 U	6.8 U	6.9 U	8.1 U	7.9 U
Bromomethane	74-83-9	3.3 U	3.3 U	2.6 U	2.6 U	3 U	3 U
Butadiene, 1,3-	106-99-0	1.9 U	1.9 U	1.5 U	1.5 U	1.7 U	1.7 U
Butanone, 2-	78-93-3	2.5 U	2.5 U	1.9 U	2 U	**22.4**	**2.7**
Carbon disulfide	75-15-0	2.6 U	2.6 U	**3**	**3.4**	2.4 U	**2.5**
Carbon tetrachloride	56-23-5	5.3 U	5.3 U	4.2 U	4.2 U	4.9 U	4.8 U
Chlorobenzene	108-90-7	3.9 U	3.9 U	3 U	3.1 U	3.6 U	3.5 U
Chloroethane	75-00-3	2.2 U	2.2 U	1.7 U	1.8 U	2.1 U	2 U
Chloroform	67-66-3	4.1 U	4.1 U	3.2 U	3.3 U	3.8 U	3.7 U
Chloromethane	74-87-3	7 U	7 U	5.4 U	5.6 U	6.4 U	6.2 U
Cryofluorane	76-14-2	5.9 U	5.9 U	4.6 U	4.7 U	5.5 U	5.3 U
Cyclohexane	110-82-7	2.9 U	2.9 U	2.3 U	2.3 U	2.7 U	2.6 U
Dibromochloromethane	124-48-1	7.2 U	7.2 U	5.6 U	5.7 U	6.6 U	6.5 U
Dibromoethane, 1,2-	106-93-4	6.5 U	6.5 U	5.1 U	5.1 U	6 U	5.8 U
Dichlorobenzene, 1,2-	95-50-1	5.1 U	5.1 U	4 U	4 U	4.7 U	4.6 U
Dichlorobenzene, 1,3-	541-73-1	5.1 U	5.1 U	4 U	4 U	4.7 U	4.6 U
Dichlorobenzene, 1,4-	106-46-7	5.1 U	5.1 U	4 U	4 U	4.7 U	4.6 U
Dichlorodifluoromethane	75-71-8	4.2 U	4.2 U	**3.7**	**4.2**	3.9 U	3.8 U
Dichloroethane, 1,1-	75-34-3	3.4 U	3.4 U	2.7 U	2.7 U	3.2 U	3.1 U
Dichloroethane, 1,2-	107-06-2	3.4 U	3.4 U	2.7 U	2.7 U	3.2 U	3.1 U
Dichloroethene, cis-1,2-	156-59-2	3.3 U	3.3 U	2.6 U	2.7 U	3.1 U	3 U
Dichloroethene, 1,1-	75-35-4	3.3 U	3.3 U	2.6 U	2.7 U	3.1 U	3 U
Dichloropropane, 1,2-	78-87-5	3.9 U	3.9 U	3.1 U	3.1 U	3.6 U	3.5 U
Dichloropropene, cis-1,3	10061-01-5	3.8 UJ	3.8 UJ	3 U	3 U	3.5 U	3.4 U
Dichloropropene, trans-1,3	10061-02-6	3.8 U	3.8 U	3 U	3 U	3.5 U	3.4 U
Dioxane, 1,4-	123-91-1	12.3 U	12.3 U	9.4 U	9.7 U	11.2 U	10.8 U
Ethanol	64-17-5	6.4 U	6.4 U	4.9 U	5.1 U	**6.8**	5.7 U
Ethyltoluene, p-	622-96-8	4.1 U	4.1 U	3.2 U	3.3 U	3.8 U	3.7 U
Heptane, n-	142-82-5	3.4 U	3.4 U	2.7 U	2.7 U	3.2 U	3.1 U
Hexachlorobutadiene	87-68-3	36.3 UJ	36.3 UJ	27.7 U	28.8 U	33.1 U	32 U
Hexane, n-	110-54-3	3 U	3 U	2.3 U	2.4 U	2.7 U	2.7 U
Hexanone, 2-	591-78-6	13.9 U	13.9 U	10.7 U	11.1 U	12.7 U	12.3 U
Isopropyl benzene	98-82-8	4.1 U	4.1 U	3.2 U	3.3 U	3.8 U	3.7 U
Methyl tert-butyl ether	1634-04-4	3 UJ	3 UJ	2.4 U	2.4 U	2.8 U	2.7 U
Methyl-2-pentanone, 4-	108-10-1	3.4 U	3.4 U	2.7 U	2.7 U	3.2 U	3.1 U
Methylene chloride	75-09-2	2.9 U	2.9 U	2.3 U	2.3 U	2.7 U	2.6 U
Naphthalene	91-20-3	17.8 U	17.8 U	13.6 U	14.2 U	16.3 U	15.7 U
Propanol, 2-	67-63-0	8.4 U	8.4 U	6.4 U	6.6 U	7.6 U	**10.1**
Propylbenzene, n-	103-65-1	4.1 U	4.1 U	3.2 U	3.3 U	3.8 U	3.7 U
Styrene	100-42-5	3.6 U	3.6 U	2.8 U	2.9 U	3.3 U	3.2 U
Tetrachloroethane,1,1,2,2-	79-34-5	5.8 U	5.8 U	4.5 U	4.6 U	5.4 U	5.2 U
Tetrachloroethene	127-18-4	5.7 U	5.7 U	4.5 U	4.5 U	5.3 U	5.2 U
Tetrahydrofuran	109-99-9	2.5 U	2.5 U	1.9 U	2 U	2.3 U	2.2 U
Trans-1,2-dichloroethene	156-60-5	3.3 U	3.3 U	2.6 U	2.7 U	3.1 U	3 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1	6.4 U	6.4 U	5.1 U	5.1 U	6 U	5.8 U
Trichlorobenzene, 1,2,4-	120-82-1	25.2 UJ	25.2 UJ	19.3 U	20 U	23 U	22.3 U
Trichloroethane, 1,1,1-	71-55-6	4.6 U	4.6 U	3.6 U	3.7 U	4.3 U	4.1 U
Trichloroethane, 1,1,2-	79-00-5	4.6 U	4.6 U	3.6 U	3.7 U	4.3 U	4.1 U
Trichloroethene	79-01-6	4.5 U	4.5 U	3.5 U	3.6 U	4.2 U	4.1 U
Trichlorofluoromethane	75-69-4	4.7 U	4.7 U	3.7 U	3.8 U	4.4 U	4.3 U
Trimethylbenzene, 1,2,4-	95-63-6	4.1 U	4.1 U	3.2 U	3.3 U	3.8 U	3.7 U
Trimethylbenzene, 1,3,5-	108-67-8	4.1 U	4.1 U	3.2 U	3.3 U	3.8 U	3.7 U
Trimethylpentane, 2,2,4-	540-84-1	3.9 U	3.9 U	3.1 U	3.1 U	3.6 U	3.6 U
Vinyl chloride	75-01-4	2.1 U	2.1 U	1.7 U	1.7 U	2 U	1.9 U

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(February 2007 - August 2008)
February 2009

Sample Name: / Sample Date:	CAS number	BS031407-Upwind 3/14/2007	BS031407-Downwind 3/14/2007	Duplicate of BS031407-Downwind 3/14/2007	BS031407-TB 3/14/2007
BTEX (ug/m^3)					
Benzene	71-43-2	2.7 U	2.6 U	2.6 U	1.6 U
Toluene	108-88-3	3.2 U	3.1 U	3.1 U	1.9 U
Ethylbenzene	100-41-4	3.7 U	3.6 U	3.6 U	2.2 U
Xylene, m,p-	108383/106423	3.7 U	3.6 U	3.6 U	2.2 U
Xylene, o-	95-47-6	3.7 U	3.6 U	3.6 U	2.2 U
Other VOCs (ug/m^3)					
Acetone	67-64-1	**10 J**	**26.1 J**	**17.6 J**	**10**
Allyl chloride	107-05-1	10.6 U	10.3 U	10.3 U	6.3 U
Benzyl chloride	100-44-7	4.5 U	4.2 U	4.2 U	2.6 U
Bromodichloromethane	75-27-4	5.8 U	5.5 U	5.5 U	3.4 U
Bromoform	75-25-2	8.9 U	8.5 U	8.5 U	5.2 U
Bromomethane	74-83-9	3.3 U	3.2 U	3.2 U	1.9 U
Butadiene, 1,3-	106-99-0	1.9 U	1.8 U	1.8 U	1.1 U
Butanone, 2-	78-93-3	2.5 U	**6.2 J**	2.4 UJ	**2.8**
Carbon disulfide	75-15-0	2.7 U	2.6 U	2.6 U	1.6 U
Carbon tetrachloride	56-23-5	5.4 U	5.2 U	5.2 U	3.1 U
Chlorobenzene	108-90-7	4 U	3.8 U	3.8 U	2.3 U
Chloroethane	75-00-3	2.3 U	2.2 U	2.2 U	1.3 U
Chloroform	67-66-3	4.2 U	4 U	4 U	2.4 U
Chloromethane	74-87-3	7 U	6.8 U	6.8 U	4.1 U
Cryofluorane	76-14-2	6 U	5.7 U	5.7 U	3.5 U
Cyclohexane	110-82-7	3 U	2.8 U	2.8 U	1.7 U
Dibromochloromethane	124-48-1	7.3 U	7 U	7 U	4.3 U
Dibromoethane, 1,2-	106-93-4	6.6 U	6.3 U	6.3 U	3.8 U
Dichlorobenzene, 1,2-	95-50-1	5.2 U	4.9 U	4.9 U	3 U
Dichlorobenzene, 1,3-	541-73-1	5.2 U	4.9 U	4.9 U	3 U
Dichlorobenzene, 1,4-	106-46-7	5.2 U	4.9 U	4.9 U	3 U
Dichlorodifluoromethane	75-71-8	4.3 U	4.1 U	4.1 U	2.5 U
Dichloroethane, 1,1-	75-34-3	3.5 U	3.3 U	3.3 U	2 U
Dichloroethane, 1,2-	107-06-2	3.5 U	3.3 U	3.3 U	2 U
Dichloroethene, cis-1,2-	156-59-2	3.4 U	3.3 U	3.3 U	2 U
Dichloroethene, 1,1-	75-35-4	3.4 U	3.3 U	3.3 U	2 U
Dichloropropane, 1,2-	78-87-5	4 U	3.8 U	3.8 U	2.3 U
Dichloropropene, cis-1,3	10061-01-5	3.9 U	3.7 U	3.7 U	2.3 U
Dichloropropene, trans-1,3	10061-02-6	3.9 U	3.7 U	3.7 U	2.3 U
Dioxane, 1,4-	123-91-1	12.3 U	11.9 U	11.9 U	7.2 U
Ethanol	64-17-5	6.4 U	6.2 U	6.2 U	3.8 U
Ethyltoluene, p-	622-96-8	4.2 U	4 U	4 U	2.5 U
Heptane, n-	142-82-5	3.5 U	3.4 U	3.4 U	2 U
Hexachlorobutadiene	87-68-3	36.3 U	35.2 U	35.2 U	21.3 U
Hexane, n-	110-54-3	3 U	2.9 U	2.9 U	1.8 U
Hexanone, 2-	591-78-6	13.9 U	13.5 U	13.5 U	8.2 U
Isopropyl benzene	98-82-8	4.2 U	4 U	4 U	2.5 U
Methyl tert-butyl ether	1634-04-4	3.1 U	3 U	3 U	1.8 U
Methyl-2-pentanone, 4-	108-10-1	3.5 U	3.4 U	3.4 U	2 U
Methylene chloride	75-09-2	3 U	2.8 U	2.8 U	1.7 U
Naphthalene	91-20-3	17.8 U	17.3 U	17.3 U	10.5 U
Propanol, 2-	67-63-0	8.4 U	8.1 U	8.1 U	4.9 U
Propylbenzene, n-	103-65-1	4.2 U	4 U	4 U	2.5 U
Styrene	100-42-5	3.7 U	3.5 U	3.5 U	2.1 U
Tetrachloroethane,1,1,2,2-	79-34-5	5.9 U	5.6 U	5.6 U	3.4 U
Tetrachloroethene	127-18-4	5.8 U	5.6 U	5.6 U	3.4 U
Tetrahydrofuran	109-99-9	2.5 U	2.4 U	2.4 U	1.5 U
Trans-1,2-dichloroethene	156-60-5	3.4 U	3.3 U	3.3 U	2 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1	6.6 U	6.3 U	6.3 U	3.8 U
Trichlorobenzene, 1,2,4-	120-82-1	25.2 U	24.5 U	24.5 U	14.8 U
Trichloroethane, 1,1,1-	71-55-6	4.7 U	4.5 U	4.5 U	2.7 U
Trichloroethane, 1,1,2-	79-00-5	4.7 U	4.5 U	4.5 U	2.7 U
Trichloroethene	79-01-6	4.6 U	4.4 U	4.4 U	2.7 U
Trichlorofluoromethane	75-69-4	4.8 U	4.6 U	4.6 U	2.8 U
Trimethylbenzene, 1,2,4-	95-63-6	4.2 U	4 U	4 U	2.5 U
Trimethylbenzene, 1,3,5-	108-67-8	4.2 U	4 U	4 U	2.5 U
Trimethylpentane, 2,2,4-	540-84-1	4 U	3.8 U	3.8 U	2.3 U
Vinyl chloride	75-01-4	2.2 U	2.1 U	2.1 U	1.3 U

Table 1
Time-Weighted Average VOC Data Results
Community Air Monitoring Completion Report
Bay Shore/Brightwaters Former MGP Site
(February 2007 - August 2008)
February 2009

Sample Name: / Sample Date:	CAS number	AMS 4 UW 3/22/2007	AMS 2 DW 3/22/2007	AMS2UW 3/29/2007	AMS3+50westDW 3/29/2007	AMS4 Upwind 4/5/2007	AMS2 Downwind 4/5/2007
BTEX (ug/m^3)							
Benzene	71-43-2	2.7 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U
Toluene	108-88-3	3.2 U	3.2 U	**3.1**	3 U	3 U	3 U
Ethylbenzene	100-41-4	3.7 U	3.6 U	3.5 U	3.5 U	3.5 U	3.5 U
Xylene, m,p-	108383/106423	3.7 U	3.6 U	3.5 U	3.5 U	3.5 U	3.5 U
Xylene, o-	95-47-6	3.7 U	3.6 U	3.5 U	3.5 U	3.5 U	3.5 U
Other VOCs (ug/m^3)							
Acetone	67-64-1	8.1 U	8.1 U	**8.6**	**9**	7.6 U	**8.6**
Allyl chloride	107-05-1	10.6 U	10.6 U	10 U	10 U	10 U	10 U
Benzyl chloride	100-44-7	4.5 U	4.3 U	4.1 U	4.1 U	4.1 U	4.1 U
Bromodichloromethane	75-27-4	5.8 U	5.6 U	5.4 U	5.4 U	5.4 U	5.4 U
Bromoform	75-25-2	8.9 U	8.7 U	8.3 U	8.3 U	8.3 U	8.3 U
Bromomethane	74-83-9	3.3 U	3.3 U	3.1 U	3.1 U	3.1 U	3.1 U
Butadiene, 1,3-	106-99-0	1.9 U	1.9 U	1.8 U	1.8 U	1.8 U	1.8 U
Butanone, 2-	78-93-3	2.5 U	2.5 U	2.4 U	**3.2**	2.4 U	2.4 U
Carbon disulfide	75-15-0	**4**	**7.2**	2.5 U	2.5 U	2.5 U	**34.3**
Carbon tetrachloride	56-23-5	5.4 U	5.3 U	5 U	5 U	5 U	5 U
Chlorobenzene	108-90-7	4 U	3.9 U	3.7 U	3.7 U	3.7 U	3.7 U
Chloroethane	75-00-3	2.3 U	2.2 U	2.1 U	2.1 U	2.1 U	2.1 U
Chloroform	67-66-3	4.2 U	4.1 U	3.9 U	3.9 U	3.9 U	3.9 U
Chloromethane	74-87-3	7 U	7 U	6.6 U	6.6 U	6.6 U	6.6 U
Cryofluorane	76-14-2	6 UJ	5.9 UJ	5.6 U	5.6 U	5.6 U	5.6 U
Cyclohexane	110-82-7	3 U	2.9 U	2.8 U	2.8 U	2.8 U	2.8 U
Dibromochloromethane	124-48-1	7.3 U	7.2 U	6.8 U	6.8 U	6.8 U	6.8 U
Dibromoethane, 1,2-	106-93-4	6.6 U	6.5 U	6.1 U	6.1 U	6.1 U	6.1 U
Dichlorobenzene, 1,2-	95-50-1	5.2 U	5.1 U	4.8 U	4.8 U	4.8 U	4.8 U
Dichlorobenzene, 1,3-	541-73-1	5.2 U	5.1 U	4.8 U	4.8 U	4.8 U	4.8 U
Dichlorobenzene, 1,4-	106-46-7	5.2 U	5.1 U	4.8 U	4.8 U	4.8 U	4.8 U
Dichlorodifluoromethane	75-71-8	4.3 U	4.2 U	4 U	4 U	4 U	4 U
Dichloroethane, 1,1-	75-34-3	3.5 U	3.4 U	3.2 U	3.2 U	3.2 U	3.2 U
Dichloroethane, 1,2-	107-06-2	3.5 U	3.4 U	3.2 U	3.2 U	3.2 U	3.2 U
Dichloroethene, cis-1,2-	156-59-2	3.4 U	3.3 U	3.2 U	3.2 U	3.2 U	3.2 U
Dichloroethene, 1,1-	75-35-4	3.4 U	3.3 U	3.2 U	3.2 U	3.2 U	3.2 U
Dichloropropane, 1,2-	78-87-5	4 U	3.9 U	3.7 U	3.7 U	3.7 U	3.7 U
Dichloropropene, cis-1,3	10061-01-5	3.9 U	3.8 U	3.6 U	3.6 U	3.6 U	3.6 U
Dichloropropene, trans-1,3	10061-02-6	3.9 U	3.8 U	3.6 U	3.6 U	3.6 U	3.6 U
Dioxane, 1,4-	123-91-1	12.3 U	12.3 U	11.5 U	11.5 U	11.5 U	11.5 U
Ethanol	64-17-5	6.4 U	6.4 U	6 U	6 U	6 U	6 U
Ethyltoluene, p-	622-96-8	4.2 U	4.1 U	3.9 U	3.9 U	3.9 U	3.9 U
Heptane, n-	142-82-5	3.5 U	3.4 U	3.3 U	3.3 U	3.3 U	3.3 U
Hexachlorobutadiene	87-68-3	36.3 U	36.3 U	34.1 U	34.1 U	34.1 U	34.1 U
Hexane, n-	110-54-3	3 U	3 U	2.8 U	2.8 U	2.8 U	2.8 U
Hexanone, 2-	591-78-6	13.9 U	13.9 U	13.1 U	13.1 U	13.1 U	13.1 U
Isopropyl benzene	98-82-8	4.2 U	4.1 U	3.9 U	3.9 U	3.9 U	3.9 U
Methyl tert-butyl ether	1634-04-4	3.1 U	3 U	2.9 U	2.9 U	2.9 U	2.9 U
Methyl-2-pentanone, 4-	108-10-1	3.5 U	3.4 U	3.3 U	3.3 U	3.3 U	3.3 U
Methylene chloride	75-09-2	3 U	2.9 U	2.8 U	2.8 U	2.8 U	2.8 U
Naphthalene	91-20-3	17.8 U	17.8 U	16.8 UJ	16.8 UJ	16.8 U	16.8 U
Propanol, 2-	67-63-0	8.4 U	8.4 U	7.9 U	7.9 U	7.9 U	7.9 U
Propylbenzene, n-	103-65-1	4.2 U	4.1 U	3.9 U	3.9 U	3.9 U	3.9 U
Styrene	100-42-5	3.7 U	3.6 U	3.4 U	3.4 U	3.4 U	3.4 U
Tetrachloroethane,1,1,2,2-	79-34-5	5.9 U	5.8 U	5.5 U	5.5 U	5.5 U	5.5 U
Tetrachloroethene	127-18-4	5.8 U	5.7 U	5.4 U	5.4 U	5.4 U	5.4 U
Tetrahydrofuran	109-99-9	2.5 U	2.5 U	2.4 U	2.4 U	2.4 U	**2.6**
Trans-1,2-dichloroethene	156-60-5	3.4 U	3.3 U	3.2 U	3.2 U	3.2 U	3.2 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1	6.6 U	6.4 U	6.1 U	6.1 U	6.1 U	6.1 U
Trichlorobenzene, 1,2,4-	120-82-1	25.2 U	25.2 U	23.7 U	23.7 U	23.7 U	**27.5**
Trichloroethane, 1,1,1-	71-55-6	4.7 U	4.6 U	4.4 U	4.4 U	4.4 U	4.4 U
Trichloroethane, 1,1,2-	79-00-5	4.7 U	4.6 U	4.4 U	4.4 U	4.4 U	4.4 U
Trichloroethene	79-01-6	4.6 U	4.5 U	**10.2**	4.3 U	4.3 U	4.3 U
Trichlorofluoromethane	75-69-4	4.8 U	4.7 U	4.5 U	4.5 U	4.5 U	4.5 U
Trimethylbenzene, 1,2,4-	95-63-6	4.2 U	4.1 U	3.9 U	3.9 U	3.9 U	3.9 U
Trimethylbenzene, 1,3,5-	108-67-8	4.2 U	4.1 U	3.9 U	3.9 U	3.9 U	3.9 U
Trimethylpentane, 2,2,4-	540-84-1	4 U	3.9 U	3.7 U	3.7 U	3.7 U	3.7 U
Vinyl chloride	75-01-4	2.2 U	2.1 U	2 U	2 U	2 U	2 U

Table 1
Time-Weighted Average VOC Data Results
Community Air Monitoring Completion Report
Bay Shore/Brightwaters Former MGP Site
(February 2007 - August 2008)
February 2009

Sample Name: / Sample Date:	CAS number	BS041207AMS2UW 4/12/2007	BS041207AMS4DW 4/12/2007	Duplicate of BS041807AMS4DW 4/18/2007	BS041807 TB 4/18/2007
BTEX (ug/m^3)					
Benzene	71-43-2	5.8 U	5.8 U	2.7 U	1.6 U
Toluene	108-88-3	6.8 U	6.8 U	3.2 U	1.9 U
Ethylbenzene	100-41-4	7.8 U	7.8 U	3.6 U	2.2 U
Xylene, m,p-	108383/106423	7.8 U	7.8 U	3.6 U	2.2 U
Xylene, o-	95-47-6	7.8 U	7.8 U	3.6 U	2.2 U
Other VOCs (ug/m^3)					
Acetone	67-64-1	17.3 U	**21.4**	14 U	**6.9**
Allyl chloride	107-05-1	22.8 U	22.8 U	10.6 U	6.3 U
Benzyl chloride	100-44-7	9.3 U	9.3 U	4.3 U	2.6 U
Bromodichloromethane	75-27-4	12.1 U	12.1 U	5.6 U	3.4 U
Bromoform	75-25-2	18.6 U	18.6 U	8.7 U	5.2 U
Bromomethane	74-83-9	7 U	7 U	3.3 U	1.9 U
Butadiene, 1,3-	106-99-0	4 U	4 U	1.9 U	1.1 U
Butanone, 2-	78-93-3	5.3 U	5.3 U	2.5 U	**1.6**
Carbon disulfide	75-15-0	**20.6**	**7.8**	2.6 U	1.6 U
Carbon tetrachloride	56-23-5	11.3 U	11.3 U	5.3 U	3.1 U
Chlorobenzene	108-90-7	8.3 U	8.3 U	3.9 U	2.3 U
Chloroethane	75-00-3	4.7 U	4.7 U	2.2 U	1.3 U
Chloroform	67-66-3	8.8 U	8.8 U	4.1 U	2.4 U
Chloromethane	74-87-3	15.1 U	15.1 U	7 U	4.1 U
Cryofluorane	76-14-2	12.6 U	12.6 U	5.9 U	3.5 U
Cyclohexane	110-82-7	6.2 U	6.2 U	2.9 U	1.7 U
Dibromochloromethane	124-48-1	15.3 U	15.3 U	7.2 U	4.3 U
Dibromoethane, 1,2-	106-93-4	13.8 U	13.8 U	6.5 U	3.8 U
Dichlorobenzene, 1,2-	95-50-1	10.8 U	10.8 U	5.1 U	3 U
Dichlorobenzene, 1,3-	541-73-1	10.8 U	10.8 U	5.1 U	3 U
Dichlorobenzene, 1,4-	106-46-7	10.8 U	10.8 U	5.1 U	3 U
Dichlorodifluoromethane	75-71-8	8.9 U	8.9 U	4.2 U	2.5 U
Dichloroethane, 1,1-	75-34-3	7.3 U	7.3 U	3.4 U	2 U
Dichloroethane, 1,2-	107-06-2	7.3 U	7.3 U	3.4 U	2 U
Dichloroethene, cis-1,2-	156-59-2	7.1 U	7.1 U	3.3 U	2 U
Dichloroethene, 1,1-	75-35-4	7.1 U	7.1 U	3.3 U	2 U
Dichloropropane, 1,2-	78-87-5	8.3 U	8.3 U	3.9 U	2.3 U
Dichloropropene, cis-1,3	10061-01-5	8.2 U	8.2 U	3.8 U	2.3 U
Dichloropropene, trans-1,3	10061-02-6	8.2 U	8.2 U	3.8 U	2.3 U
Dioxane, 1,4-	123-91-1	26.3 U	26.3 U	12.3 U	7.2 U
Ethanol	64-17-5	**17.5**	**33.9**	6.4 U	3.8 U
Ethyltoluene, p-	622-96-8	8.8 U	8.8 U	4.1 U	2.5 U
Heptane, n-	142-82-5	7.4 U	7.4 U	3.4 U	2 U
Hexachlorobutadiene	87-68-3	77.9 U	77.9 U	36.3 U	21.3 U
Hexane, n-	110-54-3	6.3 U	6.3 U	3 U	1.8 U
Hexanone, 2-	591-78-6	29.9 U	29.9 U	13.9 U	8.2 U
Isopropyl benzene	98-82-8	8.8 U	8.8 U	4.1 U	2.5 U
Methyl tert-butyl ether	1634-04-4	6.5 U	6.5 U	3 U	1.8 U
Methyl-2-pentanone, 4-	108-10-1	7.4 U	7.4 U	3.4 UJ	2 UJ
Methylene chloride	75-09-2	6.3 U	6.3 U	2.9 U	1.7 U
Naphthalene	91-20-3	38.3 U	38.3 U	17.8 U	10.5 U
Propanol, 2-	67-63-0	17.9 U	17.9 U	8.4 U	4.9 U
Propylbenzene, n-	103-65-1	8.8 U	8.8 U	4.1 U	2.5 U
Styrene	100-42-5	7.7 U	7.7 U	3.6 U	2.1 U
Tetrachloroethane,1,1,2,2-	79-34-5	12.4 U	12.4 U	5.8 U	3.4 U
Tetrachloroethene	127-18-4	12.2 U	12.2 U	5.7 U	3.4 U
Tetrahydrofuran	109-99-9	5.3 UJ	5.3 UJ	2.5 U	1.5 U
Trans-1,2-dichloroethene	156-60-5	7.1 U	7.1 U	3.3 U	2 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1	13.8 U	13.8 U	6.4 U	3.8 U
Trichlorobenzene, 1,2,4-	120-82-1	54.2 U	54.2 U	25.2 U	14.8 U
Trichloroethane, 1,1,1-	71-55-6	9.8 U	9.8 U	4.6 U	2.7 U
Trichloroethane, 1,1,2-	79-00-5	9.8 U	9.8 U	4.6 U	2.7 U
Trichloroethene	79-01-6	9.7 U	9.7 U	4.5 U	2.7 U
Trichlorofluoromethane	75-69-4	10.1 U	10.1 U	4.7 U	2.8 U
Trimethylbenzene, 1,2,4-	95-63-6	8.8 U	8.8 U	4.1 U	2.5 U
Trimethylbenzene, 1,3,5-	108-67-8	8.8 U	8.8 U	4.1 U	2.5 U
Trimethylpentane, 2,2,4-	540-84-1	8.4 U	8.4 U	3.9 U	2.3 U
Vinyl chloride	75-01-4	4.6 U	4.6 U	2.1 U	1.3 U

Table 1
Time-Weighted Average VOC Data Results
Community Air Monitoring Completion Report
Bay Shore/Brightwaters Former MGP Site
(February 2007 - August 2008)
February 2009

Sample Name: / Sample Date:	CAS number	BS041807AMS2UW 4/18/2007	BS041807AMS4DW 4/18/2007	UW-AMS-3 4/26/2007	DW-AMS-5 4/26/2007	AMS 6-UW 5/3/2007
BTEX (ug/m^3)						
Benzene	71-43-2	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
Toluene	108-88-3	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U
Ethylbenzene	100-41-4	3.6 U	3.6 U	3.7 U	3.7 U	3.6 U
Xylene, m,p-	108383/106423	3.6 U	3.6 U	3.7 U	3.7 U	3.6 U
Xylene, o-	95-47-6	3.6 U	3.6 U	3.7 U	3.7 U	3.6 U
Other VOCs (ug/m^3)						
Acetone	67-64-1	16.4 U	8.1 U	**11.6**	**23.8**	8.1 U
Allyl chloride	107-05-1	10.6 U	10.6 U	10.6 U	10.6 U	10.6 U
Benzyl chloride	100-44-7	4.3 U	4.3 U	4.5 U	4.5 U	4.3 U
Bromodichloromethane	75-27-4	5.6 U	5.6 U	5.8 U	5.8 U	5.6 U
Bromoform	75-25-2	8.7 U	8.7 U	8.9 U	8.9 U	8.7 U
Bromomethane	74-83-9	3.3 U	3.3 U	3.3 U	3.3 U	3.3 U
Butadiene, 1,3-	106-99-0	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Butanone, 2-	78-93-3	**3.5 J**	2.5 U	2.5 U	**4.1**	2.5 U
Carbon disulfide	75-15-0	2.6 U	2.6 U	2.7 U	2.7 U	2.6 U
Carbon tetrachloride	56-23-5	5.3 U	5.3 U	5.4 U	5.4 U	5.3 U
Chlorobenzene	108-90-7	3.9 U	3.9 U	4 U	4 U	3.9 U
Chloroethane	75-00-3	2.2 U	2.2 U	2.3 U	2.3 U	2.2 U
Chloroform	67-66-3	4.1 U	4.1 U	4.2 U	4.2 U	4.1 U
Chloromethane	74-87-3	7 U	7 U	7 U	7 U	7 U
Cryofluorane	76-14-2	5.9 U	5.9 U	6 U	6 U	5.9 U
Cyclohexane	110-82-7	2.9 U	2.9 U	3 U	3 U	2.9 U
Dibromochloromethane	124-48-1	7.2 U	7.2 U	7.3 U	7.3 U	7.2 U
Dibromoethane, 1,2-	106-93-4	6.5 U	6.5 U	6.6 U	6.6 U	6.5 U
Dichlorobenzene, 1,2-	95-50-1	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U
Dichlorobenzene, 1,3-	541-73-1	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U
Dichlorobenzene, 1,4-	106-46-7	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U
Dichlorodifluoromethane	75-71-8	4.2 U	4.2 U	4.3 U	4.3 U	4.2 U
Dichloroethane, 1,1-	75-34-3	3.4 U	3.4 U	3.5 U	3.5 U	3.4 U
Dichloroethane, 1,2-	107-06-2	3.4 U	3.4 U	3.5 U	3.5 U	3.4 U
Dichloroethene, cis-1,2-	156-59-2	3.3 U	3.3 U	3.4 U	3.4 U	3.3 U
Dichloroethene, 1,1-	75-35-4	3.3 U	3.3 U	3.4 U	3.4 U	3.3 U
Dichloropropane, 1,2-	78-87-5	3.9 U	3.9 U	4 U	4 U	3.9 U
Dichloropropene, cis-1,3	10061-01-5	3.8 U	3.8 U	3.9 U	3.9 U	3.8 U
Dichloropropene, trans-1,3	10061-02-6	3.8 U	3.8 U	3.9 U	3.9 U	3.8 U
Dioxane, 1,4-	123-91-1	12.3 U	12.3 U	12.3 U	12.3 U	12.3 U
Ethanol	64-17-5	**6.2 J**	6.4 U	6.4 U	**8.9**	6.4 U
Ethyltoluene, p-	622-96-8	4.1 U	4.1 U	4.2 U	4.2 U	4.1 U
Heptane, n-	142-82-5	3.4 U	3.4 U	3.5 U	3.5 U	3.4 U
Hexachlorobutadiene	87-68-3	36.3 U	36.3 U	36.3 U	36.3 U	36.3 UJ
Hexane, n-	110-54-3	3 U	3 U	3 U	3 U	3 U
Hexanone, 2-	591-78-6	13.9 U	13.9 U	13.9 U	13.9 U	13.9 U
Isopropyl benzene	98-82-8	4.1 U	4.1 U	4.2 U	4.2 U	4.1 U
Methyl tert-butyl ether	1634-04-4	3 U	3 U	3.1 U	3.1 U	3 U
Methyl-2-pentanone, 4-	108-10-1	3.4 UJ	3.4 UJ	3.5 UJ	3.5 UJ	3.4 U
Methylene chloride	75-09-2	2.9 U	2.9 U	3 U	3 U	2.9 U
Naphthalene	91-20-3	17.8 U	17.8 U	17.8 U	17.8 U	17.8 U
Propanol, 2-	67-63-0	8.4 U	8.4 U	8.4 U	8.4 U	8.4 U
Propylbenzene, n-	103-65-1	4.1 U	4.1 U	4.2 U	4.2 U	4.1 U
Styrene	100-42-5	3.6 U	3.6 U	3.7 U	3.7 U	3.6 U
Tetrachloroethane,1,1,2,2-	79-34-5	5.8 U	5.8 U	5.9 U	5.9 U	5.8 U
Tetrachloroethene	127-18-4	5.7 U	5.7 U	5.8 U	**49.5**	5.7 U
Tetrahydrofuran	109-99-9	**2.5**	2.5 U	2.5 U	2.5 U	2.5 U
Trans-1,2-dichloroethene	156-60-5	3.3 U	3.3 U	3.4 U	3.4 U	3.3 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1	6.4 U	6.4 U	6.6 U	6.6 U	6.4 U
Trichlorobenzene, 1,2,4-	120-82-1	25.2 U	25.2 U	25.2 U	25.2 U	25.2 U
Trichloroethane, 1,1,1-	71-55-6	4.6 U	4.6 U	4.7 U	4.7 U	4.6 U
Trichloroethane, 1,1,2-	79-00-5	4.6 U	4.6 U	4.7 U	4.7 U	4.6 U
Trichloroethene	79-01-6	4.5 U	4.5 U	4.6 U	4.6 U	4.5 U
Trichlorofluoromethane	75-69-4	4.7 U	4.7 U	4.8 U	4.8 U	4.7 U
Trimethylbenzene, 1,2,4-	95-63-6	4.1 U	4.1 U	4.2 U	4.2 U	4.1 U
Trimethylbenzene, 1,3,5-	108-67-8	4.1 U	4.1 U	4.2 U	4.2 U	4.1 U
Trimethylpentane, 2,2,4-	540-84-1	3.9 U	3.9 U	4 U	4 U	3.9 U
Vinyl chloride	75-01-4	2.1 U	2.1 U	2.2 U	2.2 U	2.1 U

Table 1
Time-Weighted Average VOC Data Results
Community Air Monitoring Completion Report
Bay Shore/Brightwaters Former MGP Site
(February 2007 - August 2008)
February 2009

Sample Name: / Sample Date:	CAS number	AMS 3-DW 5/3/2007	BS051007AMS04 UW 5/10/2007	BS051007AMS01 DW 5/10/2007	051707 AMS4 5/17/2007	Duplicate of AMS4 5/17/2007
BTEX (ug/m^3)						
Benzene	71-43-2	2.7 U	**3.2**	2.4 U	2.9 U	2.7 U
Toluene	108-88-3	**6**	**12.4**	2.8 U	**4.9**	**4.9**
Ethylbenzene	100-41-4	3.7 U	3.6 U	3.2 U	3.9 U	3.6 U
Xylene, m,p-	108383/106423	3.7 U	**4.8**	3.2 U	3.9 U	3.6 U
Xylene, o-	95-47-6	3.7 U	3.6 U	3.2 U	3.9 U	3.6 U
Other VOCs (ug/m^3)						
Acetone	67-64-1	**9**	**38**	**45.1**	**15.9 J**	**59.4 J**
Allyl chloride	107-05-1	10.6 U	10.3 U	9.4 U	11.3 U	10.6 U
Benzyl chloride	100-44-7	4.5 U	4.2 U	3.8 U	4.7 U	4.3 U
Bromodichloromethane	75-27-4	5.8 U	5.5 U	5 U	6 U	5.6 U
Bromoform	75-25-2	8.9 U	8.5 U	7.6 U	9.3 U	8.7 U
Bromomethane	74-83-9	3.3 U	3.2 U	2.9 U	3.5 U	3.3 U
Butadiene, 1,3-	106-99-0	1.9 U	1.8 U	1.6 U	2 U	1.9 U
Butanone, 2-	78-93-3	2.5 U	**14.7**	**16.8**	**4.4 J**	**8.6 J**
Carbon disulfide	75-15-0	2.7 U	2.6 U	2.3 U	2.8 U	2.6 U
Carbon tetrachloride	56-23-5	5.4 U	5.2 U	4.7 U	5.7 U	5.3 U
Chlorobenzene	108-90-7	4 U	3.8 U	3.4 U	4.1 U	3.9 U
Chloroethane	75-00-3	2.3 U	2.2 U	2 U	2.4 U	2.2 U
Chloroform	67-66-3	4.2 U	4 U	3.6 U	4.4 U	4.1 U
Chloromethane	74-87-3	7 U	6.8 U	6.2 U	7.4 U	7 U
Cryofluorane	76-14-2	6 U	5.7 U	5.2 U	6.3 U	5.9 U
Cyclohexane	110-82-7	3 U	2.8 U	2.5 U	3.1 U	2.9 U
Dibromochloromethane	124-48-1	7.3 U	7 U	6.3 U	7.7 U	7.2 U
Dibromoethane, 1,2-	106-93-4	6.6 U	6.3 U	5.7 U	6.9 U	6.5 U
Dichlorobenzene, 1,2-	95-50-1	5.2 U	4.9 U	4.4 U	5.4 U	5.1 U
Dichlorobenzene, 1,3-	541-73-1	5.2 U	4.9 U	4.4 U	5.4 U	5.1 U
Dichlorobenzene, 1,4-	106-46-7	5.2 U	4.9 U	4.4 U	5.4 U	5.1 U
Dichlorodifluoromethane	75-71-8	4.3 U	4.1 U	3.7 U	4.5 U	4.2 U
Dichloroethane, 1,1-	75-34-3	3.5 U	3.3 U	3 U	3.6 U	3.4 U
Dichloroethane, 1,2-	107-06-2	3.5 U	3.3 U	3 U	3.6 U	3.4 U
Dichloroethene, cis-1,2-	156-59-2	3.4 U	3.3 U	2.9 U	3.6 U	3.3 U
Dichloroethene, 1,1-	75-35-4	3.4 U	3.3 U	2.9 U	3.6 U	3.3 U
Dichloropropane, 1,2-	78-87-5	4 U	3.8 U	3.4 U	4.2 U	3.9 U
Dichloropropene, cis-1,3	10061-01-5	3.9 U	3.7 U	3.4 U	4.1 U	3.8 U
Dichloropropene, trans-1,3	10061-02-6	3.9 U	3.7 U	3.4 U	4.1 U	3.8 U
Dioxane, 1,4-	123-91-1	12.3 U	11.9 U	10.8 U	13 U	12.3 U
Ethanol	64-17-5	6.4 U	**28.3**	**17.3**	6.8 U	6.4 U
Ethyltoluene, p-	622-96-8	4.2 U	4 U	3.6 U	4.4 U	4.1 U
Heptane, n-	142-82-5	3.5 U	3.4 U	3 U	3.7 U	3.4 U
Hexachlorobutadiene	87-68-3	36.3 UJ	35.2 U	32 U	38.4 U	36.3 U
Hexane, n-	110-54-3	3 U	**3.2**	2.6 U	3.2 U	3 U
Hexanone, 2-	591-78-6	13.9 U	13.5 U	12.3 U	14.7 U	13.9 U
Isopropyl benzene	98-82-8	4.2 U	4 U	3.6 U	4.4 U	4.1 U
Methyl tert-butyl ether	1634-04-4	3.1 U	3 U	2.7 U	3.2 U	3 U
Methyl-2-pentanone, 4-	108-10-1	3.5 U	3.4 U	3 U	3.7 U	3.4 U
Methylene chloride	75-09-2	3 U	2.8 U	2.6 U	3.1 U	2.9 U
Naphthalene	91-20-3	17.8 U	17.3 U	15.7 U	18.9 U	17.8 U
Propanol, 2-	67-63-0	8.4 U	**10.1**	7.4 U	8.8 U	8.4 U
Propylbenzene, n-	103-65-1	4.2 U	4 U	3.6 U	4.4 U	4.1 U
Styrene	100-42-5	3.7 U	3.5 U	3.2 U	3.8 U	3.6 U
Tetrachloroethane,1,1,2,2-	79-34-5	5.9 U	5.6 U	5.1 U	6.2 U	5.8 U
Tetrachloroethene	127-18-4	5.8 U	5.6 U	5 U	6.1 U	5.7 U
Tetrahydrofuran	109-99-9	2.5 U	2.4 U	2.2 U	**2.7**	2.5 U
Trans-1,2-dichloroethene	156-60-5	3.4 U	3.3 U	2.9 U	3.6 U	3.3 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1	6.6 U	6.3 U	5.7 U	6.9 U	6.4 U
Trichlorobenzene, 1,2,4-	120-82-1	25.2 U	24.5 U	22.3 U	26.7 U	25.2 U
Trichloroethane, 1,1,1-	71-55-6	4.7 U	4.5 U	4 U	4.9 U	4.6 U
Trichloroethane, 1,1,2-	79-00-5	4.7 U	4.5 U	4 U	4.9 U	4.6 U
Trichloroethene	79-01-6	4.6 U	4.4 U	4 U	4.8 U	4.5 U
Trichlorofluoromethane	75-69-4	4.8 U	4.6 UJ	4.2 UJ	5.1 U	4.7 U
Trimethylbenzene, 1,2,4-	95-63-6	4.2 U	4 U	3.6 U	4.4 U	4.1 U
Trimethylbenzene, 1,3,5-	108-67-8	4.2 U	4 U	3.6 U	4.4 U	4.1 U
Trimethylpentane, 2,2,4-	540-84-1	4 U	3.8 U	3.5 U	4.2 U	3.9 U
Vinyl chloride	75-01-4	2.2 U	2.1 U	1.9 U	2.3 U	2.1 U

Table 1
Time-Weighted Average VOC Data Results
Community Air Monitoring Completion Report
Bay Shore/Brightwaters Former MGP Site
(February 2007 - August 2008)
February 2009

Sample Name: / Sample Date:	CAS number	051707 AMS6 5/17/2007	051707 TB 5/17/2007	AMS6 Upwind 5/24/2007	AMS2 Downwind 5/24/2007	AMS6-UW 5/30/2007	AMS2-DW 5/30/2007
BTEX (ug/m^3)							
Benzene	71-43-2	2.6 U	1.6 U	**2.4**	2.9 U	2.7 U	2.7 U
Toluene	108-88-3	**3.7**	1.9 U	**565.3**	**15.5**	**5.3**	**6.4**
Ethylbenzene	100-41-4	3.5 U	2.2 U	**8.3**	3.9 U	3.6 U	3.6 U
Xylene, m,p-	108383/106423	3.5 U	2.2 U	**10.4**	3.9 U	3.6 U	**3.7**
Xylene, o-	95-47-6	3.5 U	2.2 U	**4**	3.9 U	3.6 U	3.6 U
Other VOCs (ug/m^3)							
Acetone	67-64-1	7.6 U	4.8 U	**40.4**	**13.8**	**9**	**16.2**
Allyl chloride	107-05-1	10 U	6.3 U	8.5 U	11.3 U	10.6 U	10.6 U
Benzyl chloride	100-44-7	4.1 U	2.6 U	3.5 U	4.7 U	4.3 U	4.3 U
Bromodichloromethane	75-27-4	5.4 U	3.4 U	4.5 U	6 U	5.6 U	5.6 U
Bromoform	75-25-2	8.3 U	5.2 U	6.9 U	9.3 U	8.7 U	8.7 U
Bromomethane	74-83-9	3.1 U	1.9 U	2.6 U	3.5 U	3.3 U	3.3 U
Butadiene, 1,3-	106-99-0	1.8 U	1.1 U	1.5 U	2 U	1.9 U	1.9 U
Butanone, 2-	78-93-3	2.4 U	1.5 U	**24.5**	**2.6 J**	2.5 U	**3.2**
Carbon disulfide	75-15-0	2.5 U	1.6 U	**3.1**	2.8 U	2.6 U	2.6 U
Carbon tetrachloride	56-23-5	5 U	3.1 U	4.2 U	5.7 U	5.3 U	5.3 U
Chlorobenzene	108-90-7	3.7 U	2.3 U	3.1 U	4.1 U	3.9 U	3.9 U
Chloroethane	75-00-3	2.1 U	1.3 U	1.8 U	2.4 U	2.2 U	2.2 U
Chloroform	67-66-3	3.9 U	2.4 U	3.3 U	4.4 U	4.1 U	4.1 U
Chloromethane	74-87-3	6.6 U	4.1 U	5.6 U	7.4 U	7 U	7 U
Cryofluorane	76-14-2	5.6 U	3.5 U	4.7 U	6.3 U	5.9 U	5.9 U
Cyclohexane	110-82-7	2.8 U	1.7 U	**4.1**	3.1 U	2.9 U	2.9 U
Dibromochloromethane	124-48-1	6.8 U	4.3 U	5.7 U	7.7 U	7.2 U	7.2 U
Dibromoethane, 1,2-	106-93-4	6.1 U	3.8 U	5.1 U	6.9 U	6.5 U	6.5 U
Dichlorobenzene, 1,2-	95-50-1	4.8 U	3 U	4 U	5.4 U	5.1 U	5.1 U
Dichlorobenzene, 1,3-	541-73-1	4.8 U	3 U	4 U	5.4 U	5.1 U	5.1 U
Dichlorobenzene, 1,4-	106-46-7	4.8 U	3 U	4 U	5.4 U	5.1 U	5.1 U
Dichlorodifluoromethane	75-71-8	**4.3**	2.5 U	**5.9**	4.5 U	**4.3**	4.2 U
Dichloroethane, 1,1-	75-34-3	3.2 U	2 U	2.7 U	3.6 U	3.4 U	3.4 U
Dichloroethane, 1,2-	107-06-2	3.2 U	2 U	2.7 U	3.6 U	3.4 U	3.4 U
Dichloroethene, cis-1,2-	156-59-2	3.2 U	2 U	2.7 U	3.6 U	3.3 U	3.3 U
Dichloroethene, 1,1-	75-35-4	3.2 U	2 U	2.7 U	3.6 U	3.3 U	3.3 U
Dichloropropane, 1,2-	78-87-5	3.7 U	2.3 U	3.1 U	4.2 U	3.9 U	3.9 U
Dichloropropene, cis-1,3	10061-01-5	3.6 U	2.3 U	3 U	4.1 U	3.8 U	3.8 U
Dichloropropene, trans-1,3	10061-02-6	3.6 U	2.3 U	3 U	4.1 U	3.8 U	3.8 U
Dioxane, 1,4-	123-91-1	11.5 U	7.2 U	9.7 U	13 U	12.3 U	12.3 U
Ethanol	64-17-5	6 U	3.8 U	**10.7**	6.8 U	6.4 U	6.4 U
Ethyltoluene, p-	622-96-8	3.9 U	2.5 U	**4**	4.4 U	4.1 U	4.1 U
Heptane, n-	142-82-5	3.3 U	2 U	**3.6**	3.7 U	3.4 U	3.4 U
Hexachlorobutadiene	87-68-3	34.1 U	21.3 U	28.8 U	38.4 U	36.3 U	36.3 U
Hexane, n-	110-54-3	2.8 U	1.8 U	**10.2**	3.2 U	3 U	3 U
Hexanone, 2-	591-78-6	13.1 U	8.2 U	11.1 U	14.7 U	13.9 U	13.9 U
Isopropyl benzene	98-82-8	3.9 U	2.5 U	3.3 U	4.4 U	4.1 U	4.1 U
Methyl tert-butyl ether	1634-04-4	2.9 U	1.8 U	2.4 U	3.2 U	3 UJ	3 UJ
Methyl-2-pentanone, 4-	108-10-1	3.3 U	2 U	2.7 U	3.7 U	3.4 U	3.4 U
Methylene chloride	75-09-2	2.8 U	1.7 U	**12.2**	3.1 U	2.9 U	2.9 U
Naphthalene	91-20-3	16.8 U	10.5 U	14.2 U	18.9 U	17.8 U	17.8 U
Propanol, 2-	67-63-0	7.9 U	4.9 U	**23.1**	8.8 U	8.4 U	8.4 U
Propylbenzene, n-	103-65-1	3.9 U	2.5 U	3.3 U	4.4 U	4.1 U	4.1 U
Styrene	100-42-5	3.4 U	2.1 U	**3.5**	**5.1**	3.6 U	3.6 U
Tetrachloroethane,1,1,2,2-	79-34-5	5.5 U	3.4 U	4.6 U	6.2 U	5.8 U	5.8 U
Tetrachloroethene	127-18-4	5.4 U	3.4 U	4.5 U	**9.5**	5.7 U	5.7 U
Tetrahydrofuran	109-99-9	2.4 U	1.5 U	2 U	2.7 U	2.5 U	2.5 U
Trans-1,2-dichloroethene	156-60-5	3.2 U	2 U	2.7 U	3.6 U	3.3 U	3.3 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1	6.1 U	3.8 U	5.1 U	6.9 U	6.4 U	6.4 U
Trichlorobenzene, 1,2,4-	120-82-1	23.7 U	14.8 U	20 U	26.7 U	25.2 U	25.2 U
Trichloroethane, 1,1,1-	71-55-6	4.4 U	2.7 U	3.7 U	4.9 U	4.6 U	4.6 U
Trichloroethane, 1,1,2-	79-00-5	4.4 U	2.7 U	3.7 U	4.9 U	4.6 U	4.6 U
Trichloroethene	79-01-6	4.3 U	2.7 U	3.6 U	4.8 U	4.5 U	4.5 U
Trichlorofluoromethane	75-69-4	4.5 U	2.8 U	3.8 U	5.1 U	4.7 U	4.7 U
Trimethylbenzene, 1,2,4-	95-63-6	3.9 U	2.5 U	**3.8**	4.4 U	4.1 U	4.1 U
Trimethylbenzene, 1,3,5-	108-67-8	3.9 U	2.5 U	3.3 U	4.4 U	4.1 U	4.1 U
Trimethylpentane, 2,2,4-	540-84-1	3.7 U	2.3 U	3.1 U	4.2 U	3.9 U	3.9 U
Vinyl chloride	75-01-4	2 U	1.3 U	1.7 U	2.3 U	2.1 U	2.1 U

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Time-Weighted Average VOC Data Results
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Bay Shore/Brightwaters Former MGP Site
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Sample Name: / Sample Date:	CAS number	AMS6 UW 6/6/2007	AMS3 DW 6/6/2007	AMS2-UW 6/13/2007	AMS4+60N-DW 6/13/2007	AMS 2 UW 6/20/2007	AMS 5 DW (4148) 6/20/2007
BTEX (ug/m^3)							
Benzene	71-43-2	2.7 U	2.6 U	3.8 U	2.6 U	2.9 U	2.8 U
Toluene	108-88-3	3.2 U	3.1 U	4.5 U	3.1 U	**3.4 J**	3.3 U
Ethylbenzene	100-41-4	3.6 U	3.6 U	5.2 U	3.6 U	3.9 U	3.8 U
Xylene, m,p-	108383/106423	3.6 U	3.6 U	5.2 U	3.6 U	3.9 U	3.8 U
Xylene, o-	95-47-6	3.6 U	3.6 U	5.2 U	3.6 U	3.9 U	3.8 U
Other VOCs (ug/m^3)							
Acetone	67-64-1	**9.5**	**11.9**	**14**	7.8 U	**23.8**	**10.7**
Allyl chloride	107-05-1	10.6 U	10.3 U	14.4 U	10.3 U	11.3 U	11 U
Benzyl chloride	100-44-7	4.3 U	4.2 U	6.2 U	4.2 U	4.7 U	4.6 U
Bromodichloromethane	75-27-4	5.6 U	5.5 U	8 U	5.5 U	6 U	5.9 U
Bromoform	75-25-2	8.7 U	8.5 U	12.4 U	8.5 U	9.3 U	9.1 U
Bromomethane	74-83-9	3.3 U	3.2 U	4.7 U	3.2 U	3.5 U	3.4 U
Butadiene, 1,3-	106-99-0	1.9 U	1.8 U	2.7 U	1.8 U	2 U	1.9 U
Butanone, 2-	78-93-3	**4.1**	**2.9**	3.5 U	2.4 U	2.7 U	2.6 U
Carbon disulfide	75-15-0	2.6 U	2.6 U	3.7 U	2.6 U	2.8 U	2.7 U
Carbon tetrachloride	56-23-5	5.3 U	5.2 U	7.5 U	5.2 U	5.7 U	5.5 U
Chlorobenzene	108-90-7	3.9 U	3.8 U	5.5 U	3.8 U	4.1 U	4.1 U
Chloroethane	75-00-3	2.2 U	2.2 U	3.2 U	2.2 U	2.4 U	2.3 U
Chloroform	67-66-3	4.1 U	4 U	5.9 U	4 U	4.4 U	4.3 U
Chloromethane	74-87-3	7 U	6.8 U	9.5 U	6.8 U	7.4 U	7.2 U
Cryofluorane	76-14-2	5.9 U	5.7 U	8.4 U	5.7 U	6.3 U	6.2 U
Cyclohexane	110-82-7	2.9 U	2.8 U	4.1 U	2.8 U	3.1 U	3 U
Dibromochloromethane	124-48-1	7.2 U	7 U	10.2 U	7 U	7.7 U	7.5 U
Dibromoethane, 1,2-	106-93-4	6.5 U	6.3 U	9.2 U	6.3 U	6.9 U	6.8 U
Dichlorobenzene, 1,2-	95-50-1	5.1 U	4.9 U	7.2 U	4.9 U	5.4 U	5.3 U
Dichlorobenzene, 1,3-	541-73-1	5.1 U	4.9 U	7.2 U	4.9 U	5.4 U	5.3 U
Dichlorobenzene, 1,4-	106-46-7	5.1 U	4.9 U	7.2 U	4.9 U	5.4 U	5.3 U
Dichlorodifluoromethane	75-71-8	4.2 U	**4.5**	5.9 U	4.1 U	4.5 U	4.4 U
Dichloroethane, 1,1-	75-34-3	3.4 U	3.3 U	4.9 U	3.3 U	3.6 U	3.6 U
Dichloroethane, 1,2-	107-06-2	3.4 U	3.3 U	4.9 U	3.3 U	3.6 U	3.6 U
Dichloroethene, cis-1,2-	156-59-2	3.3 U	3.3 U	4.8 U	3.3 U	3.6 U	3.5 U
Dichloroethene, 1,1-	75-35-4	3.3 U	3.3 U	4.8 U	3.3 U	3.6 U	3.5 U
Dichloropropane, 1,2-	78-87-5	3.9 U	3.8 U	5.5 U	3.8 U	4.2 U	4.1 U
Dichloropropene, cis-1,3	10061-01-5	3.8 U	3.7 U	5.4 U	3.7 U	4.1 U	4 U
Dichloropropene, trans-1,3	10061-02-6	3.8 U	3.7 U	5.4 U	3.7 U	4.1 U	4 U
Dioxane, 1,4-	123-91-1	12.3 U	11.9 U	16.6 U	11.9 U	13 U	12.6 U
Ethanol	64-17-5	6.4 U	6.2 U	8.7 U	6.2 U	6.8 U	6.6 U
Ethyltoluene, p-	622-96-8	4.1 U	4 U	5.9 U	4 U	4.4 U	4.3 U
Heptane, n-	142-82-5	3.4 U	3.4 U	4.9 U	3.4 U	3.7 U	3.6 U
Hexachlorobutadiene	87-68-3	36.3 U	35.2 U	49.1 U	35.2 U	38.4 U	37.3 U
Hexane, n-	110-54-3	3 U	2.9 U	4.2 U	2.9 U	3.2 U	3.1 U
Hexanone, 2-	591-78-6	13.9 U	13.5 U	18.8 U	13.5 U	14.7 U	14.3 U
Isopropyl benzene	98-82-8	4.1 U	4 U	5.9 U	4 U	4.4 U	4.3 U
Methyl tert-butyl ether	1634-04-4	3 UJ	3 UJ	4.3 U	3 U	3.2 U	3.2 U
Methyl-2-pentanone, 4-	108-10-1	3.4 U	3.4 U	4.9 U	3.4 U	3.7 U	3.6 U
Methylene chloride	75-09-2	2.9 U	2.8 U	4.2 U	2.8 U	3.1 U	**3.5**
Naphthalene	91-20-3	17.8 U	17.3 U	24.1 U	17.3 U	18.9 U	18.3 U
Propanol, 2-	67-63-0	8.4 U	8.1 U	11.3 U	8.1 U	8.8 U	8.6 U
Propylbenzene, n-	103-65-1	4.1 U	4 U	5.9 U	4 U	4.4 U	4.3 U
Styrene	100-42-5	3.6 U	3.5 U	5.1 U	3.5 U	3.8 U	3.7 U
Tetrachloroethane,1,1,2,2-	79-34-5	5.8 U	5.6 U	8.2 U	5.6 U	6.2 U	6 U
Tetrachloroethene	127-18-4	5.7 U	5.6 U	8.1 U	5.6 U	6.1 U	6 U
Tetrahydrofuran	109-99-9	2.5 U	2.4 U	3.5 U	2.4 U	2.7 U	2.6 U
Trans-1,2-dichloroethene	156-60-5	3.3 U	3.3 U	4.8 U	3.3 U	3.6 U	3.5 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1	6.4 U	6.3 U	9.2 U	6.3 U	6.9 U	6.7 U
Trichlorobenzene, 1,2,4-	120-82-1	25.2 U	24.5 U	34.1 U	24.5 U	26.7 U	26 U
Trichloroethane, 1,1,1-	71-55-6	4.6 U	4.5 U	6.5 U	4.5 U	4.9 U	4.8 U
Trichloroethane, 1,1,2-	79-00-5	4.6 U	4.5 U	6.5 U	4.5 U	4.9 U	4.8 U
Trichloroethene	79-01-6	4.5 U	4.4 U	6.4 U	4.4 U	4.8 U	4.7 U
Trichlorofluoromethane	75-69-4	4.7 U	4.6 U	6.7 U	4.6 U	5.1 U	4.9 U
Trimethylbenzene, 1,2,4-	95-63-6	4.1 U	4 U	5.9 U	4 U	4.4 U	4.3 U
Trimethylbenzene, 1,3,5-	108-67-8	4.1 U	4 U	5.9 U	4 U	4.4 U	4.3 U
Trimethylpentane, 2,2,4-	540-84-1	3.9 U	3.8 U	5.6 U	3.8 U	4.2 U	4.1 U
Vinyl chloride	75-01-4	2.1 U	2.1 U	3.1 U	2.1 U	2.3 U	2.2 U

Table 1
Time-Weighted Average VOC Data Results
Community Air Monitoring Completion Report
Bay Shore/Brightwaters Former MGP Site
(February 2007 - August 2008)
February 2009

Sample Name: / Sample Date:	CAS number	Duplicate of AMS 5 DW 6/20/2007	UWAMS-5 6/28/2007	DWAMS-2 6/28/2007	UW-AMS1-070607 7/6/2007	DW-AMS4-070607 7/6/2007
BTEX (ug/m^3)						
Benzene	71-43-2	2.9 U	2.9 U	3.1 U	3.2 U	3.5 U
Toluene	108-88-3	3.4 U	**173.4**	3.6 U	3.8 U	4.1 U
Ethylbenzene	100-41-4	3.9 U	3.9 U	4.2 U	4.3 U	4.8 U
Xylene, m,p-	108383/106423	3.9 U	3.9 U	4.2 U	4.3 U	4.8 U
Xylene, o-	95-47-6	3.9 U	3.9 U	4.2 U	4.3 U	4.8 U
Other VOCs (ug/m^3)						
Acetone	67-64-1	**57**	**47.5**	**42.8**	**40.4**	**38**
Allyl chloride	107-05-1	11.3 U	11.3 U	11.9 U	12.8 U	13.1 U
Benzyl chloride	100-44-7	4.7 U	4.7 U	5 U	5.2 U	5.7 U
Bromodichloromethane	75-27-4	6 U	6 U	6.4 U	6.7 U	7.4 U
Bromoform	75-25-2	9.3 U	9.3 U	9.9 U	10.3 U	11.4 U
Bromomethane	74-83-9	3.5 U	3.5 U	3.7 U	3.9 U	4.3 U
Butadiene, 1,3-	106-99-0	2 U	2 U	2.1 U	2.2 U	2.4 U
Butanone, 2-	78-93-3	**8.6**	**6.5**	**9.1**	**8**	**8.8**
Carbon disulfide	75-15-0	2.8 U	2.8 U	3 U	3.1 U	3.4 U
Carbon tetrachloride	56-23-5	5.7 U	5.7 U	6 U	6.3 U	6.9 U
Chlorobenzene	108-90-7	4.1 U	4.1 U	4.4 U	4.6 U	5.1 U
Chloroethane	75-00-3	2.4 U	2.4 U	2.5 U	2.6 U	2.9 U
Chloroform	67-66-3	4.4 U	4.4 U	4.7 U	4.9 U	5.4 U
Chloromethane	74-87-3	7.4 U	7.4 U	7.8 U	8.5 U	8.7 U
Cryofluorane	76-14-2	6.3 U	6.3 U	6.7 U	7 U	7.7 U
Cyclohexane	110-82-7	3.1 U	**8.6**	3.3 U	3.4 U	3.8 U
Dibromochloromethane	124-48-1	7.7 U	7.7 U	8.2 U	8.5 U	9.4 U
Dibromoethane, 1,2-	106-93-4	6.9 U	6.9 U	7.4 U	7.7 U	8.5 U
Dichlorobenzene, 1,2-	95-50-1	5.4 U	5.4 U	5.8 U	6 U	6.6 U
Dichlorobenzene, 1,3-	541-73-1	5.4 U	5.4 U	5.8 U	6 U	6.6 U
Dichlorobenzene, 1,4-	106-46-7	5.4 U	5.4 U	5.8 U	6 U	6.6 U
Dichlorodifluoromethane	75-71-8	4.5 U	4.5 U	4.7 U	4.9 U	5.4 U
Dichloroethane, 1,1-	75-34-3	3.6 U	3.6 U	3.9 U	4 U	4.5 U
Dichloroethane, 1,2-	107-06-2	3.6 U	3.6 U	3.9 U	4 U	4.5 U
Dichloroethene, cis-1,2-	156-59-2	3.6 U	3.6 U	3.8 U	4 U	4.4 U
Dichloroethene, 1,1-	75-35-4	3.6 U	3.6 U	3.8 U	4 U	4.4 U
Dichloropropane, 1,2-	78-87-5	4.2 U	4.2 U	4.4 U	4.6 U	5.1 U
Dichloropropene, cis-1,3	10061-01-5	4.1 U	4.1 U	4.4 U	4.5 U	5 U
Dichloropropene, trans-1,3	10061-02-6	4.1 U	4.1 U	4.4 U	4.5 U	5 U
Dioxane, 1,4-	123-91-1	13 U	13 U	13.7 U	14.8 U	15.1 U
Ethanol	64-17-5	6.8 U	6.8 U	7.2 U	7.7 U	7.9 U
Ethyltoluene, p-	622-96-8	4.4 U	4.4 U	4.7 U	4.9 U	5.4 U
Heptane, n-	142-82-5	3.7 U	**5.7**	3.9 U	4.1 U	4.5 U
Hexachlorobutadiene	87-68-3	38.4 U	38.4 U	40.5 U	43.7 U	44.8 U
Hexane, n-	110-54-3	3.2 U	**19**	3.4 U	3.5 U	3.9 U
Hexanone, 2-	591-78-6	14.7 U	14.7 U	15.6 U	16.8 U	17.2 U
Isopropyl benzene	98-82-8	4.4 U	4.4 U	4.7 U	4.9 U	5.4 U
Methyl tert-butyl ether	1634-04-4	3.2 U	3.2 U	3.5 U	3.6 U	4 U
Methyl-2-pentanone, 4-	108-10-1	3.7 U	3.7 U	3.9 U	4.1 U	4.5 U
Methylene chloride	75-09-2	3.1 U	**5.2**	3.3 U	3.5 U	3.8 U
Naphthalene	91-20-3	18.9 U	18.9 U	19.9 U	21.5 U	22 U
Propanol, 2-	67-63-0	8.8 U	**10.6**	9.3 U	10.1 U	10.3 U
Propylbenzene, n-	103-65-1	4.4 U	4.4 U	4.7 U	4.9 U	5.4 U
Styrene	100-42-5	3.8 U	3.8 U	4.1 U	4.3 U	4.7 U
Tetrachloroethane,1,1,2,2-	79-34-5	6.2 U	6.2 U	6.6 U	6.9 U	7.6 U
Tetrachloroethene	127-18-4	6.1 U	6.1 U	**62.4**	6.8 U	7.5 U
Tetrahydrofuran	109-99-9	2.7 U	2.7 U	2.8 U	2.9 UJ	3.2 UJ
Trans-1,2-dichloroethene	156-60-5	3.6 U	3.6 U	3.8 U	4 U	4.4 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1	6.9 U	6.9 U	7.4 U	7.7 U	8.4 U
Trichlorobenzene, 1,2,4-	120-82-1	26.7 U	26.7 U	28.2 U	30.4 U	31.2 U
Trichloroethane, 1,1,1-	71-55-6	4.9 U	4.9 U	5.2 U	5.5 U	6 U
Trichloroethane, 1,1,2-	79-00-5	4.9 U	4.9 U	5.2 U	5.5 U	6 U
Trichloroethene	79-01-6	4.8 U	4.8 U	5.2 U	5.4 U	5.9 U
Trichlorofluoromethane	75-69-4	5.1 U	5.1 U	5.4 U	5.6 U	6.2 U
Trimethylbenzene, 1,2,4-	95-63-6	4.4 U	4.4 U	4.7 U	4.9 U	5.4 U
Trimethylbenzene, 1,3,5-	108-67-8	4.4 U	4.4 U	4.7 U	4.9 U	5.4 U
Trimethylpentane, 2,2,4-	540-84-1	4.2 U	4.2 U	4.5 U	4.7 U	5.1 U
Vinyl chloride	75-01-4	2.3 U	2.3 U	2.5 U	2.6 U	2.8 U

Table 1
Time-Weighted Average VOC Data Results
Community Air Monitoring Completion Report
Bay Shore/Brightwaters Former MGP Site
(February 2007 - August 2008)
February 2009

Sample Name: / Sample Date:	CAS number	DW AMS3 7/11/07 7/11/2007	AMS3 UW 07/18/07 7/18/2007	AMS1 DW 07/18/07 (3740) 7/18/2007	Duplicate of AMS1 DW 7/18/2007
BTEX (ug/m^3)					
Benzene	71-43-2	3 U	2.9 U	3.1 U	3.8 U
Toluene	108-88-3	**6**	3.5 U	3.7 U	4.5 U
Ethylbenzene	100-41-4	4.1 U	4 U	4.3 U	5.2 U
Xylene, m,p-	108383/106423	4.1 U	4 U	4.3 U	5.2 U
Xylene, o-	95-47-6	4.1 U	4 U	4.3 U	5.2 U
Other VOCs (ug/m^3)					
Acetone	67-64-1	**13.5**	**20.7**	**38**	**19.5**
Allyl chloride	107-05-1	11.6 U	11.6 U	12.2 U	14.7 U
Benzyl chloride	100-44-7	4.9 U	4.8 U	5.1 U	6.2 U
Bromodichloromethane	75-27-4	6.3 U	6.2 U	6.6 U	8 U
Bromoform	75-25-2	9.7 U	9.5 U	10.1 U	12.4 U
Bromomethane	74-83-9	3.6 U	3.6 U	3.8 U	4.7 U
Butadiene, 1,3-	106-99-0	2.1 U	2 U	2.2 U	2.7 U
Butanone, 2-	78-93-3	2.8 U	3.8 U	12.1 U	3.5 U
Carbon disulfide	75-15-0	2.9 U	**3.4**	3.1 U	3.7 U
Carbon tetrachloride	56-23-5	5.9 U	5.8 U	6.2 U	7.5 U
Chlorobenzene	108-90-7	4.3 U	4.2 U	4.5 U	5.5 U
Chloroethane	75-00-3	2.5 U	2.4 U	2.6 U	3.2 U
Chloroform	67-66-3	4.6 U	4.5 U	4.8 U	5.9 U
Chloromethane	74-87-3	7.6 U	7.6 U	8.1 U	9.7 U
Cryofluorane	76-14-2	6.6 U	6.4 U	6.9 U	8.4 U
Cyclohexane	110-82-7	3.2 U	3.2 U	3.4 U	4.1 U
Dibromochloromethane	124-48-1	8 U	7.8 U	8.3 U	10.2 U
Dibromoethane, 1,2-	106-93-4	7.2 U	7.1 U	7.5 U	9.2 U
Dichlorobenzene, 1,2-	95-50-1	5.7 U	5.5 U	5.9 U	7.2 U
Dichlorobenzene, 1,3-	541-73-1	5.7 U	5.5 U	5.9 U	7.2 U
Dichlorobenzene, 1,4-	106-46-7	5.7 U	5.5 U	5.9 U	7.2 U
Dichlorodifluoromethane	75-71-8	4.6 U	4.5 U	4.8 U	5.9 U
Dichloroethane, 1,1-	75-34-3	3.8 U	3.7 U	4 U	4.9 U
Dichloroethane, 1,2-	107-06-2	3.8 U	3.7 U	4 U	4.9 U
Dichloroethene, cis-1,2-	156-59-2	3.7 U	3.6 U	3.9 U	4.8 U
Dichloroethene, 1,1-	75-35-4	3.7 U	3.6 U	3.9 U	4.8 U
Dichloropropane, 1,2-	78-87-5	4.3 U	4.3 U	4.5 U	5.5 U
Dichloropropene, cis-1,3	10061-01-5	4.3 U	4.2 U	4.4 U	5.4 U
Dichloropropene, trans-1,3	10061-02-6	4.3 U	4.2 U	4.4 U	5.4 U
Dioxane, 1,4-	123-91-1	13.3 U	13.3 U	14.1 U	16.9 U
Ethanol	64-17-5	7 U	7 U	7.3 U	8.9 U
Ethyltoluene, p-	622-96-8	4.6 U	4.5 U	4.8 U	5.9 U
Heptane, n-	142-82-5	3.9 U	3.8 U	4 U	4.9 U
Hexachlorobutadiene	87-68-3	39.5 U	39.5 U	41.6 U	50.1 U
Hexane, n-	110-54-3	3.3 U	3.2 U	3.5 U	4.2 U
Hexanone, 2-	591-78-6	15.2 U	15.2 U	16 U	19.3 U
Isopropyl benzene	98-82-8	4.6 U	4.5 U	4.8 U	5.9 U
Methyl tert-butyl ether	1634-04-4	3.4 U	3.3 U	3.5 U	4.3 U
Methyl-2-pentanone, 4-	108-10-1	3.9 U	3.8 U	4 U	4.9 U
Methylene chloride	75-09-2	3.3 U	3.2 U	3.4 U	4.2 U
Naphthalene	91-20-3	19.4 U	19.4 U	20.4 U	24.6 U
Propanol, 2-	67-63-0	9.1 U	9.1 U	9.6 U	11.6 U
Propylbenzene, n-	103-65-1	4.6 U	4.5 U	4.8 U	5.9 U
Styrene	100-42-5	4 U	3.9 U	4.2 U	5.1 U
Tetrachloroethane,1,1,2,2-	79-34-5	6.5 U	6.3 U	6.7 U	8.2 U
Tetrachloroethene	127-18-4	6.4 U	6.2 U	**7.5**	**8.1**
Tetrahydrofuran	109-99-9	2.8 U	2.7 U	2.9 U	3.5 U
Trans-1,2-dichloroethene	156-60-5	3.7 U	3.6 U	3.9 U	4.8 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1	7.2 U	7.1 U	7.5 U	9.2 U
Trichlorobenzene, 1,2,4-	120-82-1	27.5 U	27.5 U	28.9 U	34.9 U
Trichloroethane, 1,1,1-	71-55-6	5.1 U	5 U	5.3 U	6.5 U
Trichloroethane, 1,1,2-	79-00-5	5.1 U	5 U	5.3 U	6.5 U
Trichloroethene	79-01-6	5.1 U	4.9 U	5.3 U	6.4 U
Trichlorofluoromethane	75-69-4	5.3 U	5.2 U	5.5 U	6.7 U
Trimethylbenzene, 1,2,4-	95-63-6	4.6 U	4.5 U	4.8 U	5.9 U
Trimethylbenzene, 1,3,5-	108-67-8	4.6 U	4.5 U	4.8 U	5.9 U
Trimethylpentane, 2,2,4-	540-84-1	4.4 U	4.3 U	4.6 U	5.6 U
Vinyl chloride	75-01-4	2.4 U	2.4 U	2.5 U	3.1 U

Table 1
Time-Weighted Average VOC Data Results
Community Air Monitoring Completion Report
Bay Shore/Brightwaters Former MGP Site
(February 2007 - August 2008)
February 2009

Sample Name: / Sample Date:	CAS number	UW AMS3 7/27/2007	DW-AMS6 7/27/2007	UW AMS#1 8/9/2007	DW AMS#5 8/9/2007	AMS3 8/15/2007	AMS5 8/15/2007	U_W_ AMS#1 8/22/2007
BTEX (ug/m^3)								
Benzene	71-43-2	3.1 U	3.1 U	3.2 U	2.7 U	3.5 U	2.3 U	2.6 U
Toluene	108-88-3	3.6 U	**4.1**	**20.7**	**7.5**	4.1 U	**8.3**	**6.4**
Ethylbenzene	100-41-4	4.2 U	4.3 U	4.3 U	**5.6**	4.8 U	3.2 U	3.5 U
Xylene, m,p-	108383/106423	4.2 U	4.3 U	**6.1**	**91.2**	4.8 U	3.2 U	3.5 U
Xylene, o-	95-47-6	4.2 U	4.3 U	4.3 U	**31.3**	4.8 U	3.2 U	3.5 U
Other VOCs (ug/m^3)								
Acetone	67-64-1	**38**	**38**	**10.5**	**21.9**	**13.5**	**14.3**	**9.5**
Allyl chloride	107-05-1	11.9 U	12.2 U	12.8 U	10.6 U	13.1 U	9.1 U	10 U
Benzyl chloride	100-44-7	5 U	5.1 U	5.2 U	4.5 U	5.7 U	3.8 U	4.1 U
Bromodichloromethane	75-27-4	6.4 U	6.6 U	6.7 U	5.8 U	7.4 U	4.9 U	5.4 U
Bromoform	75-25-2	9.9 U	10.1 U	10.3 U	8.9 U	11.4 U	7.5 U	8.3 U
Bromomethane	74-83-9	3.7 U	3.8 U	3.9 U	3.3 U	4.3 U	2.8 U	3.1 U
Butadiene, 1,3-	106-99-0	2.1 U	2.2 U	2.2 U	1.9 U	2.4 U	1.6 U	1.8 U
Butanone, 2-	78-93-3	**4.7**	**29.5**	2.9 U	**10.6**	**2.9 J**	**2.7**	2.4 U
Carbon disulfide	75-15-0	3 U	**43.6**	3.1 U	2.7 U	3.4 U	2.3 U	2.5 U
Carbon tetrachloride	56-23-5	6 U	6.2 U	6.3 U	5.4 U	6.9 U	4.6 U	5 U
Chlorobenzene	108-90-7	4.4 U	4.5 U	4.6 U	4 U	5.1 U	3.4 U	3.7 U
Chloroethane	75-00-3	2.5 U	2.6 U	2.6 U	2.3 U	2.9 U	1.9 U	2.1 U
Chloroform	67-66-3	4.7 U	4.8 U	4.9 U	4.2 U	5.4 U	3.6 U	3.9 U
Chloromethane	74-87-3	7.8 U	8.1 U	8.5 U	7 U	8.7 U	6 U	6.6 U
Cryofluorane	76-14-2	6.7 U	6.9 U	7 U	6 U	7.7 U	5.1 U	5.6 U
Cyclohexane	110-82-7	3.3 U	3.4 U	3.4 U	3 U	3.8 U	2.5 U	2.8 U
Dibromochloromethane	124-48-1	8.2 U	8.3 U	8.5 U	7.3 U	9.4 U	6.2 U	6.8 U
Dibromoethane, 1,2-	106-93-4	7.4 U	7.5 U	7.7 U	6.6 U	8.5 U	5.6 U	6.1 U
Dichlorobenzene, 1,2-	95-50-1	5.8 U	5.9 U	6 U	5.2 U	6.6 U	4.4 U	4.8 U
Dichlorobenzene, 1,3-	541-73-1	5.8 U	5.9 U	6 U	5.2 U	6.6 U	4.4 U	4.8 U
Dichlorobenzene, 1,4-	106-46-7	5.8 U	5.9 U	6 U	5.2 U	6.6 U	4.4 U	4.8 U
Dichlorodifluoromethane	75-71-8	4.7 U	4.8 U	4.9 U	4.3 U	5.4 U	3.6 U	4 U
Dichloroethane, 1,1-	75-34-3	3.9 U	4 U	4 U	3.5 U	4.5 U	3 U	3.2 U
Dichloroethane, 1,2-	107-06-2	3.9 U	4 U	4 U	3.5 U	4.5 U	3 U	3.2 U
Dichloroethene, cis-1,2-	156-59-2	3.8 U	3.9 U	4 U	3.4 U	4.4 U	2.9 U	3.2 U
Dichloroethene, 1,1-	75-35-4	3.8 U	3.9 U	4 U	3.4 U	4.4 U	2.9 U	3.2 U
Dichloropropane, 1,2-	78-87-5	4.4 U	4.5 U	4.6 U	4 U	5.1 U	3.4 U	3.7 U
Dichloropropene, cis-1,3	10061-01-5	4.4 U	4.4 U	4.5 U	3.9 U	5 U	3.3 U	3.6 U
Dichloropropene, trans-1,3	10061-02-6	4.4 U	4.4 U	4.5 U	3.9 U	5 U	3.3 U	3.6 U
Dioxane, 1,4-	123-91-1	13.7 U	14.1 U	14.8 U	12.3 U	15.1 U	10.5 U	11.5 U
Ethanol	64-17-5	7.2 U	7.3 U	7.7 U	6.4 U	7.9 U	**6.6**	6 U
Ethyltoluene, p-	622-96-8	4.7 U	4.8 U	4.9 U	4.2 U	5.4 U	3.6 U	3.9 U
Heptane, n-	142-82-5	3.9 U	4 U	4.1 U	3.5 U	4.5 U	3 U	3.3 U
Hexachlorobutadiene	87-68-3	40.5 U	41.6 U	43.7 U	36.3 U	44.8 U	30.9 U	34.1 U
Hexane, n-	110-54-3	3.4 U	3.5 U	3.5 U	3 U	3.9 U	2.6 U	2.8 U
Hexanone, 2-	591-78-6	15.6 U	16 U	16.8 U	13.9 U	17.2 U	11.9 U	13.1 U
Isopropyl benzene	98-82-8	4.7 U	4.8 U	4.9 U	4.2 U	5.4 U	3.6 U	3.9 U
Methyl tert-butyl ether	1634-04-4	3.5 U	3.5 U	3.6 U	3.1 U	4 U	2.6 U	2.9 U
Methyl-2-pentanone, 4-	108-10-1	3.9 U	4 U	4.1 U	**11.9**	4.5 U	3 U	3.3 U
Methylene chloride	75-09-2	3.3 U	3.4 U	3.5 U	3 U	3.8 U	**4.5**	2.8 U
Naphthalene	91-20-3	19.9 U	20.4 U	21.5 U	17.8 U	22 U	15.2 U	16.8 U
Propanol, 2-	67-63-0	9.3 U	9.6 U	10.1 U	8.4 U	10.3 U	7.1 U	7.9 U
Propylbenzene, n-	103-65-1	4.7 U	4.8 U	4.9 U	4.2 U	5.4 U	3.6 U	3.9 U
Styrene	100-42-5	4.1 U	4.2 U	4.3 U	3.7 U	4.7 U	3.1 U	3.4 U
Tetrachloroethane,1,1,2,2-	79-34-5	6.6 U	6.7 U	6.9 U	5.9 U	7.6 U	5 U	5.5 U
Tetrachloroethene	127-18-4	6.5 U	6.6 U	6.8 U	5.8 U	7.5 U	5 U	5.4 U
Tetrahydrofuran	109-99-9	2.8 U	2.9 U	2.9 U	2.5 U	3.2 U	2.2 U	2.4 U
Trans-1,2-dichloroethene	156-60-5	3.8 U	3.9 U	4 U	3.4 U	4.4 U	2.9 U	3.2 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1	7.4 U	7.5 U	7.7 U	6.6 U	8.4 U	5.6 U	6.1 U
Trichlorobenzene, 1,2,4-	120-82-1	28.2 U	28.9 U	30.4 U	25.2 U	31.2 U	21.5 U	23.7 U
Trichloroethane, 1,1,1-	71-55-6	5.2 U	5.3 U	5.5 U	4.7 U	6 U	4 U	4.4 U
Trichloroethane, 1,1,2-	79-00-5	5.2 U	5.3 U	5.5 U	4.7 U	6 U	4 U	4.4 U
Trichloroethene	79-01-6	5.2 U	5.3 U	5.4 U	4.6 U	5.9 U	3.9 U	4.3 U
Trichlorofluoromethane	75-69-4	5.4 U	5.5 U	5.6 U	4.8 U	6.2 U	4.1 U	4.5 U
Trimethylbenzene, 1,2,4-	95-63-6	4.7 U	4.8 U	4.9 U	4.2 U	5.4 U	3.6 U	3.9 U
Trimethylbenzene, 1,3,5-	108-67-8	4.7 U	4.8 U	4.9 U	4.2 U	5.4 U	3.6 U	3.9 U
Trimethylpentane, 2,2,4-	540-84-1	4.5 U	4.6 U	4.7 U	4 U	5.1 U	3.4 U	3.7 U
Vinyl chloride	75-01-4	2.5 U	2.5 U	2.6 U	2.2 U	2.8 U	1.9 U	2 U

Table 1
Time-Weighted Average VOC Data Results
Community Air Monitoring Completion Report
Bay Shore/Brightwaters Former MGP Site
(February 2007 - August 2008)
February 2009

Sample Name: / Sample Date:	CAS number	D_W_ AMS#5 8/22/2007	AMS 5 UW 8/29/2007	DW AMS 1 8/29/2007	UWAMS5 9/5/2007	DWAMS1 9/5/2007	Duplicate of DWAMS1 9/5/2007
BTEX (ug/m^3)							
Benzene	71-43-2	3.1 U	2.7 U	2.6 U	2.2 U	2.7 U	2.7 U
Toluene	108-88-3	**4.1**	**10.6**	**9**	**6**	3.2 U	**3.5**
Ethylbenzene	100-41-4	4.2 U	3.6 U	3.6 U	3 U	3.6 U	3.6 U
Xylene, m,p-	108383/106423	4.2 U	**6.1**	**4.2**	3 U	3.6 U	3.6 U
Xylene, o-	95-47-6	4.2 U	3.6 U	3.6 U	3 U	3.6 U	3.6 U
Other VOCs (ug/m^3)							
Acetone	67-64-1	9 U	**12.4**	**15.4**	**23.8**	**9**	**12.1**
Allyl chloride	107-05-1	11.9 U	10.6 U	10.3 U	8.5 U	10.6 U	10.6 U
Benzyl chloride	100-44-7	5 U	4.3 U	4.2 U	3.5 U	4.3 U	4.3 U
Bromodichloromethane	75-27-4	6.4 U	5.6 U	5.5 U	4.6 U	5.6 U	5.6 U
Bromoform	75-25-2	9.9 U	8.7 U	8.5 U	7 U	8.7 U	8.7 U
Bromomethane	74-83-9	3.7 U	3.3 U	3.2 U	2.6 U	3.3 U	3.3 U
Butadiene, 1,3-	106-99-0	2.1 U	1.9 U	1.8 U	1.5 U	1.9 U	1.9 U
Butanone, 2-	78-93-3	2.8 U	2.5 U	2.4 U	4.1 U	2.5 U	2.5 U
Carbon disulfide	75-15-0	3 U	2.6 U	2.6 U	2.1 U	2.6 U	5.9 U
Carbon tetrachloride	56-23-5	6 U	5.3 U	5.2 U	4.3 U	5.3 U	5.3 U
Chlorobenzene	108-90-7	4.4 U	3.9 U	3.8 U	3.1 U	3.9 U	3.9 U
Chloroethane	75-00-3	2.5 U	2.2 U	2.2 U	1.8 U	2.2 U	2.2 U
Chloroform	67-66-3	4.7 U	4.1 U	4 U	3.3 U	4.1 U	4.1 U
Chloromethane	74-87-3	7.8 U	7 U	6.8 U	5.6 U	7 U	7 U
Cryofluorane	76-14-2	6.7 U	5.9 U	5.7 U	4.8 U	5.9 U	5.9 U
Cyclohexane	110-82-7	3.3 U	2.9 U	2.8 U	2.3 U	2.9 U	2.9 U
Dibromochloromethane	124-48-1	8.2 U	7.2 U	7 U	5.8 U	7.2 U	7.2 U
Dibromoethane, 1,2-	106-93-4	7.4 U	6.5 U	6.3 U	5.2 U	6.5 U	6.5 U
Dichlorobenzene, 1,2-	95-50-1	5.8 U	5.1 U	4.9 U	4.1 U	5.1 U	5.1 U
Dichlorobenzene, 1,3-	541-73-1	5.8 U	5.1 U	4.9 U	4.1 U	5.1 U	5.1 U
Dichlorobenzene, 1,4-	106-46-7	5.8 U	5.1 U	4.9 U	4.1 U	5.1 U	5.1 U
Dichlorodifluoromethane	75-71-8	4.7 U	4.2 U	4.1 U	**4.1**	**4.2**	4.2 U
Dichloroethane, 1,1-	75-34-3	3.9 U	3.4 U	3.3 U	2.8 U	3.4 U	3.4 U
Dichloroethane, 1,2-	107-06-2	3.9 U	3.4 U	3.3 U	2.8 U	3.4 U	3.4 U
Dichloroethene, cis-1,2-	156-59-2	3.8 U	3.3 U	3.3 U	2.7 U	3.3 U	3.3 U
Dichloroethene, 1,1-	75-35-4	3.8 U	3.3 U	3.3 U	2.7 U	3.3 U	3.3 U
Dichloropropane, 1,2-	78-87-5	4.4 U	3.9 U	3.8 U	3.1 U	3.9 U	3.9 U
Dichloropropene, cis-1,3	10061-01-5	4.4 U	3.8 U	3.7 U	3.1 U	3.8 U	3.8 U
Dichloropropene, trans-1,3	10061-02-6	4.4 U	3.8 U	3.7 U	3.1 U	3.8 U	3.8 U
Dioxane, 1,4-	123-91-1	13.7 U	12.3 U	11.9 U	9.7 U	12.3 U	12.3 U
Ethanol	64-17-5	7.2 U	6.4 U	6.2 U	**13.9**	6.4 U	**7.2**
Ethyltoluene, p-	622-96-8	4.7 U	4.1 U	4 U	3.3 U	4.1 U	4.1 U
Heptane, n-	142-82-5	3.9 U	3.4 U	3.4 U	**2.9**	3.4 U	3.4 U
Hexachlorobutadiene	87-68-3	40.5 U	36.3 U	35.2 U	28.8 U	36.3 U	36.3 U
Hexane, n-	110-54-3	3.4 U	3 U	2.9 U	2.4 U	3 U	3 U
Hexanone, 2-	591-78-6	15.6 U	13.9 U	13.5 U	11.1 U	13.9 U	13.9 U
Isopropyl benzene	98-82-8	4.7 U	4.1 U	4 U	3.3 U	4.1 U	4.1 U
Methyl tert-butyl ether	1634-04-4	3.5 U	3 U	3 U	2.5 U	3 U	3 U
Methyl-2-pentanone, 4-	108-10-1	3.9 U	3.4 U	3.4 U	2.8 U	3.4 U	3.4 U
Methylene chloride	75-09-2	3.3 U	2.9 U	2.8 U	2.4 U	2.9 U	2.9 U
Naphthalene	91-20-3	19.9 U	17.8 U	17.3 U	14.2 U	17.8 U	17.8 U
Propanol, 2-	67-63-0	9.3 U	8.4 U	8.1 U	6.6 U	8.4 U	8.4 U
Propylbenzene, n-	103-65-1	4.7 U	4.1 U	4 U	3.3 U	4.1 U	4.1 U
Styrene	100-42-5	4.1 U	3.6 U	3.5 U	2.9 U	3.6 U	3.6 U
Tetrachloroethane,1,1,2,2-	79-34-5	6.6 U	5.8 U	5.6 U	4.7 U	5.8 U	5.8 U
Tetrachloroethene	127-18-4	6.5 U	5.7 U	5.6 U	4.6 U	5.7 U	5.7 U
Tetrahydrofuran	109-99-9	2.8 U	2.5 U	2.4 U	2 U	2.5 U	**2.7**
Trans-1,2-dichloroethene	156-60-5	3.8 U	3.3 U	3.3 U	2.7 U	3.3 U	3.3 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1	7.4 U	6.4 U	6.3 U	5.2 U	6.4 U	6.4 U
Trichlorobenzene, 1,2,4-	120-82-1	28.2 U	25.2 U	24.5 U	20 U	25.2 U	25.2 U
Trichloroethane, 1,1,1-	71-55-6	5.2 U	4.6 U	4.5 U	3.7 U	4.6 U	4.6 U
Trichloroethane, 1,1,2-	79-00-5	5.2 U	4.6 U	4.5 U	3.7 U	4.6 U	4.6 U
Trichloroethene	79-01-6	5.2 U	4.5 U	4.4 U	3.7 U	4.5 U	4.5 U
Trichlorofluoromethane	75-69-4	5.4 U	4.7 U	4.6 U	3.8 U	4.7 U	4.7 U
Trimethylbenzene, 1,2,4-	95-63-6	4.7 U	4.1 U	4 U	3.3 U	4.1 U	4.1 U
Trimethylbenzene, 1,3,5-	108-67-8	4.7 U	4.1 U	4 U	3.3 U	4.1 U	4.1 U
Trimethylpentane, 2,2,4-	540-84-1	4.5 U	3.9 U	3.8 U	3.2 U	3.9 U	3.9 U
Vinyl chloride	75-01-4	2.5 U	2.1 U	2.1 U	1.7 U	2.1 U	2.1 U

Table 1
Time-Weighted Average VOC Data Results
Community Air Monitoring Completion Report
Bay Shore/Brightwaters Former MGP Site
(February 2007 - August 2008)
February 2009

Sample Name: / Sample Date:	CAS number	Upwind AMS5 TO1601 9/12/2007	Downwind AMS1 #32125 9/12/2007	AMS1 UW 9/19/2007	AMS5 DW 9/19/2007	UW AMS 5 9/26/2007
BTEX (ug/m^3)						
Benzene	71-43-2	2.3 U	2.1 U	2.7 U	2.7 U	2.9 U
Toluene	108-88-3	2.7 U	2.5 U	**4.1**	3.2 U	3.5 U
Ethylbenzene	100-41-4	3.1 U	2.9 U	3.7 U	3.7 U	4 U
Xylene, m,p-	108383/106423	3.1 U	2.9 U	3.7 U	3.7 U	4 U
Xylene, o-	95-47-6	3.1 U	2.9 U	3.7 U	3.7 U	4 U
Other VOCs (ug/m^3)						
Acetone	67-64-1	**19.7**	**6.9**	**30.9**	**28.5**	**9.5**
Allyl chloride	107-05-1	9.1 U	8.5 U	10.6 U	10.6 U	11.6 U
Benzyl chloride	100-44-7	3.7 U	3.5 U	4.5 U	4.5 U	4.8 U
Bromodichloromethane	75-27-4	4.8 U	4.5 U	5.8 U	5.8 U	6.2 U
Bromoform	75-25-2	7.4 U	6.9 U	8.9 U	8.9 U	9.5 UJ
Bromomethane	74-83-9	2.8 U	2.6 U	3.3 U	3.3 U	3.6 U
Butadiene, 1,3-	106-99-0	1.6 U	1.5 U	1.9 U	1.9 U	2 U
Butanone, 2-	78-93-3	**2.6**	2 U	**15.3**	**2.8**	2.7 U
Carbon disulfide	75-15-0	2.2 U	2.1 U	**52.9**	2.7 U	2.9 U
Carbon tetrachloride	56-23-5	4.5 U	4.2 U	5.4 U	5.4 U	5.8 U
Chlorobenzene	108-90-7	3.3 U	3.1 U	4 U	4 U	4.2 U
Chloroethane	75-00-3	1.9 U	1.8 U	2.3 U	2.3 U	2.4 U
Chloroform	67-66-3	3.5 U	3.3 U	4.2 U	4.2 U	4.5 U
Chloromethane	74-87-3	6 U	5.6 U	7 U	7 U	7.6 U
Cryofluorane	76-14-2	5 U	4.7 U	6 U	6 U	6.4 U
Cyclohexane	110-82-7	2.5 U	2.3 U	3 U	3 U	3.2 U
Dibromochloromethane	124-48-1	6.1 U	5.7 U	7.3 U	7.3 U	7.8 U
Dibromoethane, 1,2-	106-93-4	5.5 U	5.1 U	6.6 U	6.6 U	7.1 U
Dichlorobenzene, 1,2-	95-50-1	4.3 U	4 U	5.2 U	5.2 U	5.5 U
Dichlorobenzene, 1,3-	541-73-1	4.3 U	4 U	5.2 U	5.2 U	5.5 U
Dichlorobenzene, 1,4-	106-46-7	4.3 U	4 U	5.2 U	5.2 U	5.5 U
Dichlorodifluoromethane	75-71-8	3.6 U	3.3 U	4.3 U	4.3 U	4.5 U
Dichloroethane, 1,1-	75-34-3	2.9 U	2.7 U	3.5 U	3.5 U	3.7 U
Dichloroethane, 1,2-	107-06-2	2.9 U	2.7 U	3.5 U	3.5 U	3.7 U
Dichloroethene, cis-1,2-	156-59-2	2.9 U	2.7 U	3.4 U	3.4 U	3.6 U
Dichloroethene, 1,1-	75-35-4	2.9 U	2.7 U	3.4 U	3.4 U	3.6 U
Dichloropropane, 1,2-	78-87-5	3.3 U	3.1 U	4 U	4 U	4.3 U
Dichloropropene, cis-1,3	10061-01-5	3.3 U	3 U	3.9 U	3.9 U	4.2 U
Dichloropropene, trans-1,3	10061-02-6	3.3 U	3 U	3.9 U	3.9 U	4.2 U
Dioxane, 1,4-	123-91-1	10.5 UJ	9.7 UJ	12.3 U	12.3 U	13.3 U
Ethanol	64-17-5	5.5 U	5.1 U	6.4 U	**7.7**	7 U
Ethyltoluene, p-	622-96-8	3.5 U	3.3 U	4.2 U	4.2 U	4.5 U
Heptane, n-	142-82-5	3 U	2.7 U	3.5 U	3.5 U	3.8 U
Hexachlorobutadiene	87-68-3	30.9 U	28.8 U	36.3 U	36.3 U	39.5 U
Hexane, n-	110-54-3	2.5 U	2.4 U	3 U	3 U	3.2 U
Hexanone, 2-	591-78-6	11.9 U	11.1 U	13.9 U	13.9 U	15.2 U
Isopropyl benzene	98-82-8	3.5 U	3.3 U	4.2 U	4.2 U	4.5 U
Methyl tert-butyl ether	1634-04-4	2.6 UJ	2.4 UJ	3.1 UJ	3.1 UJ	3.3 U
Methyl-2-pentanone, 4-	108-10-1	2.9 U	2.7 U	3.5 U	3.5 U	3.8 U
Methylene chloride	75-09-2	2.5 U	2.3 U	3 U	3 U	3.2 U
Naphthalene	91-20-3	15.2 U	14.2 U	17.8 U	17.8 U	19.4 U
Propanol, 2-	67-63-0	7.1 U	6.6 U	8.4 U	8.4 U	9.1 U
Propylbenzene, n-	103-65-1	3.5 U	3.3 U	4.2 U	4.2 U	4.5 U
Styrene	100-42-5	3.1 U	2.9 U	3.7 U	3.7 U	3.9 U
Tetrachloroethane,1,1,2,2-	79-34-5	4.9 U	4.6 U	5.9 U	5.9 U	6.3 U
Tetrachloroethene	127-18-4	4.9 U	4.5 U	5.8 U	5.8 U	6.2 U
Tetrahydrofuran	109-99-9	2.1 U	2 U	**3.2**	**3.5**	2.7 U
Trans-1,2-dichloroethene	156-60-5	2.9 U	2.7 U	3.4 U	3.4 U	3.6 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1	5.5 U	5.1 U	6.6 U	6.6 U	7.1 U
Trichlorobenzene, 1,2,4-	120-82-1	21.5 U	20 U	25.2 U	25.2 U	27.5 U
Trichloroethane, 1,1,1-	71-55-6	3.9 U	3.7 U	4.7 U	4.7 U	5 U
Trichloroethane, 1,1,2-	79-00-5	3.9 U	3.7 U	4.7 U	4.7 U	5 U
Trichloroethene	79-01-6	3.9 U	3.6 U	4.6 U	4.6 U	4.9 U
Trichlorofluoromethane	75-69-4	4 U	3.8 U	4.8 U	4.8 U	5.2 U
Trimethylbenzene, 1,2,4-	95-63-6	3.5 U	3.3 U	4.2 U	4.2 U	4.5 U
Trimethylbenzene, 1,3,5-	108-67-8	3.5 U	3.3 U	4.2 U	4.2 U	4.5 U
Trimethylpentane, 2,2,4-	540-84-1	3.4 U	3.1 U	4 U	4 U	4.3 U
Vinyl chloride	75-01-4	1.8 U	1.7 U	2.2 U	2.2 U	2.4 U

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Time-Weighted Average VOC Data Results
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Bay Shore/Brightwaters Former MGP Site
(February 2007 - August 2008)
February 2009

Sample Name: / Sample Date:	CAS number	DW AMS 3 9/27/2007	AMS 4 UW 10/4/2007	AMS 3 DW 10/4/2007	UWAMS 5 10/10/2007	DW AMS 1 10/10/2007	UW AMS 5 10/17/2007	DW AMS 1 10/17/2007
BTEX (ug/m^3)								
Benzene	71-43-2	2.9 U	2.9 U	2.3 U	4.2 U	2.9 U	2.7 U	**2.7**
Toluene	108-88-3	3.5 U	**12.8**	**6.4**	4.9 U	3.4 U	**9.4**	**10.9**
Ethylbenzene	100-41-4	4 U	4 U	3.2 U	5.6 U	3.9 U	3.7 U	3.7 U
Xylene, m,p-	108383/106423	4 U	4 U	3.2 U	5.6 U	3.9 U	3.7 U	**4.1**
Xylene, o-	95-47-6	4 U	4 U	3.2 U	5.6 U	3.9 U	3.7 U	3.7 U
Other VOCs (ug/m^3)								
Acetone	67-64-1	**19**	8.8 U	**11.9**	**28.5**	**13.8**	**28.5**	8.1 U
Allyl chloride	107-05-1	11.6 U	11.6 U	9.1 U	16.3 U	11.3 U	10.6 U	10.6 U
Benzyl chloride	100-44-7	4.8 U	4.8 U	3.8 U	6.7 U	4.7 U	4.5 U	4.5 U
Bromodichloromethane	75-27-4	6.2 U	6.2 U	4.9 U	8.7 U	6 U	5.8 U	5.8 U
Bromoform	75-25-2	9.5 UJ	9.5 U	7.5 U	13.4 U	9.3 U	8.9 U	8.9 U
Bromomethane	74-83-9	3.6 U	3.6 U	2.8 U	5 U	3.5 U	3.3 U	3.3 U
Butadiene, 1,3-	106-99-0	2 U	2 U	1.6 U	2.9 U	2 U	1.9 U	1.9 U
Butanone, 2-	78-93-3	**4.4**	2.7 U	2.2 U	3.8 U	2.7 U	**5**	2.5 U
Carbon disulfide	75-15-0	**11.8**	2.9 U	2.3 U	4 U	2.8 U	2.7 U	2.7 U
Carbon tetrachloride	56-23-5	5.8 U	5.8 U	4.6 U	8.2 U	5.7 U	5.4 U	5.4 U
Chlorobenzene	108-90-7	4.2 U	4.2 U	3.4 U	6 U	4.1 U	4 U	4 U
Chloroethane	75-00-3	2.4 U	2.4 U	1.9 U	3.4 U	2.4 U	2.3 U	2.3 U
Chloroform	67-66-3	4.5 U	4.5 U	3.6 U	6.3 U	4.4 U	4.2 U	4.2 U
Chloromethane	74-87-3	7.6 U	7.6 U	6 U	10.7 U	7.4 U	7 U	7 U
Cryofluorane	76-14-2	6.4 U	6.4 U	5.1 U	9.1 U	6.3 U	6 U	6 U
Cyclohexane	110-82-7	3.2 U	3.2 U	2.5 U	4.5 U	3.1 U	3 U	3 U
Dibromochloromethane	124-48-1	7.8 U	7.8 U	6.2 U	11.1 U	7.7 U	7.3 U	7.3 U
Dibromoethane, 1,2-	106-93-4	7.1 U	7.1 U	5.6 U	10 U	6.9 U	6.6 U	6.6 U
Dichlorobenzene, 1,2-	95-50-1	5.5 U	5.5 U	4.4 U	7.8 U	5.4 U	5.2 U	5.2 U
Dichlorobenzene, 1,3-	541-73-1	5.5 U	5.5 U	4.4 U	7.8 U	5.4 U	5.2 U	5.2 U
Dichlorobenzene, 1,4-	106-46-7	5.5 U	5.5 U	4.4 U	7.8 U	5.4 U	5.2 U	5.2 U
Dichlorodifluoromethane	75-71-8	4.5 U	4.5 U	**3.6 J**	6.4 U	4.5 U	4.3 U	4.3 U
Dichloroethane, 1,1-	75-34-3	3.7 U	3.7 U	3 U	5.3 U	3.6 U	3.5 U	3.5 U
Dichloroethane, 1,2-	107-06-2	3.7 U	3.7 U	3 U	5.3 U	3.6 U	3.5 U	3.5 U
Dichloroethene, cis-1,2-	156-59-2	3.6 U	3.6 U	2.9 U	5.2 U	3.6 U	3.4 U	3.4 U
Dichloroethene, 1,1-	75-35-4	3.6 U	3.6 U	2.9 U	5.2 U	3.6 U	3.4 U	3.4 U
Dichloropropane, 1,2-	78-87-5	4.3 U	4.3 U	3.4 U	6 U	4.2 U	4 U	4 U
Dichloropropene, cis-1,3	10061-01-5	4.2 U	4.2 U	3.3 U	5.9 U	4.1 U	3.9 U	3.9 U
Dichloropropene, trans-1,3	10061-02-6	4.2 U	4.2 U	3.3 U	5.9 U	4.1 U	3.9 U	3.9 U
Dioxane, 1,4-	123-91-1	13.3 U	13.3 U	10.5 U	18.7 U	13 U	12.3 U	12.3 U
Ethanol	64-17-5	7 U	7 U	5.5 U	9.8 U	6.8 U	6.4 U	6.4 U
Ethyltoluene, p-	622-96-8	4.5 U	4.5 U	3.6 U	6.4 U	4.4 U	4.2 U	4.2 U
Heptane, n-	142-82-5	3.8 U	3.8 U	3 U	5.3 U	3.7 U	3.5 U	**3.5**
Hexachlorobutadiene	87-68-3	39.5 U	39.5 U	30.9 U	55.5 U	38.4 U	36.3 U	36.3 U
Hexane, n-	110-54-3	3.2 U	3.2 U	2.6 U	4.6 U	3.2 U	3 U	**3.1**
Hexanone, 2-	591-78-6	15.2 U	15.2 U	11.9 U	21.3 U	14.7 U	13.9 U	13.9 U
Isopropyl benzene	98-82-8	4.5 U	4.5 U	3.6 U	6.4 U	4.4 U	4.2 U	4.2 U
Methyl tert-butyl ether	1634-04-4	3.3 U	3.3 U	2.6 U	4.7 U	3.2 U	3.1 U	3.1 U
Methyl-2-pentanone, 4-	108-10-1	3.8 U	3.8 U	3 U	5.3 U	3.7 U	3.5 U	3.5 U
Methylene chloride	75-09-2	3.2 U	3.2 U	2.5 U	4.5 U	3.1 U	3 U	3 U
Naphthalene	91-20-3	19.4 U	19.4 U	15.2 U	27.3 U	18.9 U	17.8 U	17.8 U
Propanol, 2-	67-63-0	9.1 U	9.1 U	7.1 U	12.8 U	8.8 U	8.4 U	8.4 U
Propylbenzene, n-	103-65-1	4.5 U	4.5 U	3.6 U	6.4 U	4.4 U	4.2 U	4.2 U
Styrene	100-42-5	3.9 U	3.9 U	3.1 U	5.5 U	3.8 U	3.7 U	3.7 U
Tetrachloroethane,1,1,2,2-	79-34-5	6.3 U	6.3 U	5 U	8.9 U	6.2 U	5.9 U	5.9 U
Tetrachloroethene	127-18-4	6.2 U	6.2 U	5 U	8.8 U	6.1 U	5.8 U	5.8 U
Tetrahydrofuran	109-99-9	2.7 U	2.7 U	2.2 U	3.8 U	2.7 U	2.5 U	2.5 U
Trans-1,2-dichloroethene	156-60-5	3.6 U	3.6 U	2.9 U	5.2 U	3.6 U	3.4 U	3.4 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1	7.1 U	7.1 U	5.6 U	10 U	6.9 U	6.6 U	6.6 U
Trichlorobenzene, 1,2,4-	120-82-1	27.5 U	27.5 U	21.5 U	38.6 U	26.7 U	25.2 U	25.2 U
Trichloroethane, 1,1,1-	71-55-6	5 U	5 U	4 U	7.1 U	4.9 U	4.7 U	4.7 U
Trichloroethane, 1,1,2-	79-00-5	5 U	5 U	4 U	7.1 U	4.9 U	4.7 U	4.7 U
Trichloroethene	79-01-6	4.9 U	4.9 U	3.9 U	7 U	4.8 U	4.6 U	4.6 U
Trichlorofluoromethane	75-69-4	5.2 U	5.2 U	4.1 U	7.3 U	5.1 U	4.8 U	4.8 U
Trimethylbenzene, 1,2,4-	95-63-6	4.5 U	4.5 U	3.6 U	6.4 U	4.4 U	4.2 U	4.2 U
Trimethylbenzene, 1,3,5-	108-67-8	4.5 U	4.5 U	3.6 U	6.4 U	4.4 U	4.2 U	4.2 U
Trimethylpentane, 2,2,4-	540-84-1	4.3 U	4.3 U	3.4 U	6.1 U	4.2 U	4 U	4 U
Vinyl chloride	75-01-4	2.4 U	2.4 U	1.9 U	3.3 U	2.3 U	2.2 U	2.2 U

Table 1
Time-Weighted Average VOC Data Results
Community Air Monitoring Completion Report
Bay Shore/Brightwaters Former MGP Site
(February 2007 - August 2008)
February 2009

Sample Name: / Sample Date:	CAS number	UW AMS 1 10/25/2007	DW AMS 5 10/25/2007	UW AMS 5 10/31/2007	DW AMS 1 10/31/2007	UW AMS 3 11/7/2007	DW AMS 5 11/7/2007	Duplicate of DW AMS 5 11/7/2007
BTEX (ug/m^3)								
Benzene	71-43-2	2.7 U	2.7 U	**4.8**	2.9 U	2.7 U	3.1 U	2.7 U
Toluene	108-88-3	3.2 U	3.2 U	**17.3**	**7.2**	3.2 U	3.7 U	3.2 U
Ethylbenzene	100-41-4	3.6 U	3.7 U	3.8 U	3.9 U	3.7 U	4.3 U	3.7 U
Xylene, m,p-	108383/106423	3.6 U	3.7 U	**6.9**	3.9 U	3.7 U	4.3 U	3.7 U
Xylene, o-	95-47-6	3.6 U	3.7 U	3.8 U	3.9 U	3.7 U	4.3 U	3.7 U
Other VOCs (ug/m^3)								
Acetone	67-64-1	**23.5**	**8.3**	**9.3**	8.6 U	**12.8**	**33.3 J**	**16.6 J**
Allyl chloride	107-05-1	10.6 U	10.6 U	11 U	11.3 U	10.6 U	12.2 U	10.6 U
Benzyl chloride	100-44-7	4.3 U	4.5 U	4.6 U	4.7 U	4.5 U	5.1 U	4.5 U
Bromodichloromethane	75-27-4	5.6 U	5.8 U	5.9 U	6 U	5.8 U	6.6 U	5.8 U
Bromoform	75-25-2	8.7 U	8.9 U	9.1 U	9.3 U	8.9 U	10.1 U	8.9 U
Bromomethane	74-83-9	3.3 U	3.3 U	3.4 U	3.5 U	3.3 U	3.8 U	3.3 U
Butadiene, 1,3-	106-99-0	1.9 U	1.9 U	1.9 U	2 U	1.9 U	2.2 U	1.9 U
Butanone, 2-	78-93-3	**3.5**	2.5 U	2.6 U	2.7 U	2.5 U	**8.8 J**	2.5 UJ
Carbon disulfide	75-15-0	2.6 U	2.7 U	2.7 U	2.8 U	2.7 U	3.1 U	2.7 U
Carbon tetrachloride	56-23-5	5.3 U	5.4 U	5.5 U	5.7 U	5.4 U	6.2 U	5.4 U
Chlorobenzene	108-90-7	3.9 U	4 U	4.1 U	4.1 U	4 U	4.5 U	4 U
Chloroethane	75-00-3	2.2 U	2.3 U	2.3 U	2.4 U	2.3 U	2.6 U	2.3 U
Chloroform	67-66-3	4.1 U	4.2 U	4.3 U	4.4 U	4.2 U	4.8 U	4.2 U
Chloromethane	74-87-3	7 U	7 U	7.2 U	7.4 U	7 U	8.1 U	7 U
Cryofluorane	76-14-2	5.9 U	6 U	6.2 U	6.3 U	6 U	6.9 U	6 U
Cyclohexane	110-82-7	2.9 U	3 U	3 U	3.1 U	3 U	3.4 U	3 U
Dibromochloromethane	124-48-1	7.2 U	7.3 U	7.5 U	7.7 U	7.3 U	8.3 U	7.3 U
Dibromoethane, 1,2-	106-93-4	6.5 U	6.6 U	6.8 U	6.9 U	6.6 U	7.5 U	6.6 U
Dichlorobenzene, 1,2-	95-50-1	5.1 U	5.2 U	5.3 U	5.4 U	5.2 U	5.9 U	5.2 U
Dichlorobenzene, 1,3-	541-73-1	5.1 U	5.2 U	5.3 U	5.4 U	5.2 U	5.9 U	5.2 U
Dichlorobenzene, 1,4-	106-46-7	5.1 U	5.2 U	5.3 U	5.4 U	5.2 U	5.9 U	5.2 U
Dichlorodifluoromethane	75-71-8	4.2 U	4.3 U	**4.5**	4.5 U	4.3 U	4.8 U	4.3 U
Dichloroethane, 1,1-	75-34-3	3.4 U	3.5 U	3.6 U	3.6 U	3.5 U	4 U	3.5 U
Dichloroethane, 1,2-	107-06-2	3.4 U	3.5 U	3.6 U	3.6 U	3.5 U	4 U	3.5 U
Dichloroethene, cis-1,2-	156-59-2	3.3 U	3.4 U	3.5 U	3.6 U	3.4 U	3.9 U	3.4 U
Dichloroethene, 1,1-	75-35-4	3.3 U	3.4 U	3.5 U	3.6 U	3.4 U	3.9 U	3.4 U
Dichloropropane, 1,2-	78-87-5	3.9 U	4 U	4.1 U	4.2 U	4 U	4.5 U	4 U
Dichloropropene, cis-1,3	10061-01-5	3.8 U	3.9 U	4 U	4.1 U	3.9 U	4.4 U	3.9 U
Dichloropropene, trans-1,3	10061-02-6	3.8 U	3.9 U	4 U	4.1 U	3.9 U	4.4 U	3.9 U
Dioxane, 1,4-	123-91-1	12.3 U	12.3 U	12.6 U	13 U	12.3 U	14.1 U	12.3 U
Ethanol	64-17-5	6.4 U	6.4 U	6.6 U	6.8 U	6.4 U	7.3 U	6.4 U
Ethyltoluene, p-	622-96-8	4.1 U	4.2 U	4.3 U	4.4 U	4.2 U	4.8 U	4.2 U
Heptane, n-	142-82-5	3.4 U	3.5 U	3.6 U	3.7 U	3.5 U	4 U	3.5 U
Hexachlorobutadiene	87-68-3	36.3 U	36.3 U	37.3 U	38.4 U	36.3 U	41.6 U	36.3 U
Hexane, n-	110-54-3	3 U	3 U	**5.3**	3.2 U	3 U	3.5 U	3 U
Hexanone, 2-	591-78-6	13.9 UJ	13.9 UJ	14.3 U	14.7 U	13.9 U	16 U	13.9 U
Isopropyl benzene	98-82-8	4.1 U	4.2 U	4.3 U	4.4 U	4.2 U	4.8 U	4.2 U
Methyl tert-butyl ether	1634-04-4	3 UJ	3.1 UJ	3.2 U	3.2 U	3.1 U	3.5 U	3.1 U
Methyl-2-pentanone, 4-	108-10-1	3.4 U	3.5 U	3.6 U	3.7 U	3.5 U	4 U	3.5 U
Methylene chloride	75-09-2	2.9 U	3 U	3.1 U	3.1 U	3 U	3.4 U	3 U
Naphthalene	91-20-3	17.8 U	17.8 U	18.3 U	18.9 U	17.8 U	20.4 U	17.8 U
Propanol, 2-	67-63-0	8.4 U	8.4 U	8.6 U	8.8 U	8.4 U	9.6 U	8.4 U
Propylbenzene, n-	103-65-1	4.1 U	4.2 U	4.3 U	4.4 U	4.2 U	4.8 U	4.2 U
Styrene	100-42-5	3.6 U	3.7 U	3.7 U	3.8 U	3.7 U	4.2 U	3.7 U
Tetrachloroethane,1,1,2,2-	79-34-5	5.8 U	5.9 U	6 U	6.2 U	5.9 U	6.7 U	5.9 U
Tetrachloroethene	127-18-4	5.7 U	5.8 U	6 U	6.1 U	5.8 U	6.6 U	5.8 U
Tetrahydrofuran	109-99-9	2.5 U	2.5 U	2.6 U	2.7 U	2.5 U	2.9 U	2.5 U
Trans-1,2-dichloroethene	156-60-5	3.3 U	3.4 U	3.5 U	3.6 U	3.4 U	3.9 U	3.4 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1	6.4 U	6.6 U	6.7 U	6.9 U	6.6 U	7.5 U	6.6 U
Trichlorobenzene, 1,2,4-	120-82-1	25.2 UJ	25.2 UJ	26 U	26.7 U	25.2 U	28.9 U	25.2 U
Trichloroethane, 1,1,1-	71-55-6	4.6 U	4.7 U	4.8 U	4.9 U	4.7 U	5.3 U	4.7 U
Trichloroethane, 1,1,2-	79-00-5	4.6 U	4.7 U	4.8 U	4.9 U	4.7 U	5.3 U	4.7 U
Trichloroethene	79-01-6	4.5 U	4.6 U	4.7 U	4.8 U	4.6 U	5.3 U	4.6 U
Trichlorofluoromethane	75-69-4	4.7 U	4.8 U	4.9 U	5.1 U	4.8 U	5.5 U	4.8 U
Trimethylbenzene, 1,2,4-	95-63-6	4.1 U	4.2 U	4.3 U	4.4 U	4.2 U	4.8 U	4.2 U
Trimethylbenzene, 1,3,5-	108-67-8	4.1 U	4.2 U	4.3 U	4.4 U	4.2 U	4.8 U	4.2 U
Trimethylpentane, 2,2,4-	540-84-1	3.9 U	4 U	4.1 U	4.2 U	4 U	4.6 U	4 U
Vinyl chloride	75-01-4	2.1 U	2.2 U	2.2 U	2.3 U	2.2 U	2.5 U	2.2 U

Table 1
Time-Weighted Average VOC Data Results
Community Air Monitoring Completion Report
Bay Shore/Brightwaters Former MGP Site
(February 2007 - August 2008)
February 2009

Sample Name: / Sample Date:	CAS number	UW-AMS 5 11/14/2007	DW-AMS 1 11/14/2007	UW-AMS-1 11/21/2007	DW-AMS-5 11/21/2007	UW-AMS-1 11/28/2007	DW-AMS-5 11/28/2007	UW-AMS 5 12/5/2007
BTEX (ug/m^3)								
Benzene	71-43-2	**4.2**	**4.5**	**2.7**	2.2 U	2.7 U	2.7 U	2.6 U
Toluene	108-88-3	**18.5**	**18.8**	**9**	**4.5**	3.2 U	3.2 U	3 U
Ethylbenzene	100-41-4	3.8 U	3.6 U	3.2 U	3 U	3.7 U	3.7 U	3.5 U
Xylene, m,p-	108383/106423	**5.2**	**6.1**	3.2 U	3 U	3.7 U	3.7 U	3.5 U
Xylene, o-	95-47-6	3.8 U	3.6 U	3.2 U	3 U	3.7 U	3.7 U	3.5 U
Other VOCs (ug/m^3)								
Acetone	67-64-1	**20**	**26.1**	**13.8**	**7.1**	**20.9**	**10.9**	7.6 U
Allyl chloride	107-05-1	11 U	10.3 U	9.1 U	8.8 U	10.6 U	10.6 U	10 U
Benzyl chloride	100-44-7	4.6 U	4.2 U	3.8 U	3.6 U	4.5 U	4.5 U	4.1 U
Bromodichloromethane	75-27-4	5.9 U	5.5 U	4.9 U	4.7 U	5.8 U	5.8 U	5.4 U
Bromoform	75-25-2	9.1 U	8.5 U	7.5 U	7.2 U	8.9 U	8.9 U	8.3 U
Bromomethane	74-83-9	3.4 U	3.2 U	2.8 U	2.7 U	3.3 U	3.3 U	3.1 U
Butadiene, 1,3-	106-99-0	1.9 U	1.8 U	1.6 U	1.5 U	1.9 U	1.9 U	1.8 U
Butanone, 2-	78-93-3	2.6 U	2.4 U	2.2 U	2.1 U	2.5 U	2.5 U	2.4 U
Carbon disulfide	75-15-0	2.7 U	2.6 U	2.3 U	2.2 U	2.7 U	2.7 U	2.5 U
Carbon tetrachloride	56-23-5	5.5 U	5.2 U	4.6 U	4.4 U	5.4 U	5.4 U	5 UJ
Chlorobenzene	108-90-7	4.1 U	3.8 U	3.4 U	3.2 U	4 U	4 U	3.7 U
Chloroethane	75-00-3	2.3 U	2.2 U	1.9 U	1.8 U	2.3 U	2.3 U	2.1 U
Chloroform	67-66-3	4.3 U	4 U	3.6 U	3.4 U	4.2 U	4.2 U	3.9 U
Chloromethane	74-87-3	7.2 U	6.8 U	6 U	5.8 U	7 U	7 U	6.6 U
Cryofluorane	76-14-2	6.2 U	5.7 U	5.1 U	4.9 U	6 U	6 U	5.6 U
Cyclohexane	110-82-7	3 U	2.8 U	2.5 U	2.4 U	3 U	3 U	2.8 U
Dibromochloromethane	124-48-1	7.5 U	7 U	6.2 U	6 U	7.3 U	7.3 U	6.8 U
Dibromoethane, 1,2-	106-93-4	6.8 U	6.3 U	5.6 U	5.4 U	6.6 U	6.6 U	6.1 U
Dichlorobenzene, 1,2-	95-50-1	5.3 U	4.9 U	4.4 U	4.2 U	5.2 U	5.2 U	4.8 U
Dichlorobenzene, 1,3-	541-73-1	5.3 U	4.9 U	4.4 U	4.2 U	5.2 U	5.2 U	4.8 U
Dichlorobenzene, 1,4-	106-46-7	5.3 U	4.9 U	4.4 U	4.2 U	5.2 U	5.2 U	4.8 U
Dichlorodifluoromethane	75-71-8	4.4 U	4.1 U	**4.5**	**4.1**	4.3 U	4.3 U	4 U
Dichloroethane, 1,1-	75-34-3	3.6 U	3.3 U	3 U	2.8 U	3.5 U	3.5 U	3.2 U
Dichloroethane, 1,2-	107-06-2	3.6 U	3.3 U	3 U	2.8 U	3.5 U	3.5 U	3.2 U
Dichloroethene, cis-1,2-	156-59-2	3.5 U	3.3 U	2.9 U	2.8 U	3.4 U	3.4 U	3.2 U
Dichloroethene, 1,1-	75-35-4	3.5 U	3.3 U	2.9 U	2.8 U	3.4 U	3.4 U	3.2 U
Dichloropropane, 1,2-	78-87-5	4.1 U	3.8 U	3.4 U	3.2 U	4 U	4 U	3.7 U
Dichloropropene, cis-1,3	10061-01-5	4 U	3.7 U	3.3 U	3.2 U	3.9 U	3.9 U	3.6 U
Dichloropropene, trans-1,3	10061-02-6	4 U	3.7 U	3.3 U	3.2 U	3.9 U	3.9 U	3.6 U
Dioxane, 1,4-	123-91-1	12.6 U	11.9 U	10.5 U	10.1 U	12.3 U	12.3 U	11.5 U
Ethanol	64-17-5	6.6 U	6.2 U	5.5 U	5.3 U	6.4 U	6.4 U	6 U
Ethyltoluene, p-	622-96-8	4.3 U	4 U	3.6 U	3.4 U	4.2 U	4.2 U	3.9 U
Heptane, n-	142-82-5	3.6 U	3.4 U	3 U	2.9 U	3.5 U	3.5 U	3.3 U
Hexachlorobutadiene	87-68-3	37.3 U	35.2 U	30.9 U	29.9 U	36.3 U	36.3 U	34.1 U
Hexane, n-	110-54-3	**3.3**	**3.5**	2.6 U	2.5 U	3 U	3 U	2.8 U
Hexanone, 2-	591-78-6	14.3 U	13.5 U	11.9 U	11.5 U	13.9 U	13.9 U	13.1 U
Isopropyl benzene	98-82-8	4.3 U	4 U	3.6 U	3.4 U	4.2 U	4.2 U	3.9 U
Methyl tert-butyl ether	1634-04-4	3.2 U	3 U	2.6 U	2.5 U	3.1 U	3.1 U	2.9 U
Methyl-2-pentanone, 4-	108-10-1	3.6 U	3.4 U	3 U	2.9 U	3.5 U	3.5 U	3.3 UJ
Methylene chloride	75-09-2	3.1 U	2.8 U	**3.5**	2.4 U	3 U	3 U	2.8 U
Naphthalene	91-20-3	18.3 U	17.3 U	15.2 U	14.7 U	17.8 U	17.8 U	16.8 U
Propanol, 2-	67-63-0	8.6 U	8.1 U	7.1 U	6.9 U	8.4 U	8.4 U	7.9 U
Propylbenzene, n-	103-65-1	4.3 U	4 U	3.6 U	3.4 U	4.2 U	4.2 U	3.9 U
Styrene	100-42-5	3.7 U	3.5 U	3.1 U	3 U	3.7 U	3.7 U	3.4 U
Tetrachloroethane,1,1,2,2-	79-34-5	6 U	5.6 U	5 U	4.8 U	5.9 U	5.9 U	5.5 U
Tetrachloroethene	127-18-4	6 U	5.6 U	5 U	4.7 U	5.8 U	5.8 U	5.4 U
Tetrahydrofuran	109-99-9	2.6 U	2.4 U	2.2 U	2.1 U	2.5 U	2.5 U	2.4 U
Trans-1,2-dichloroethene	156-60-5	3.5 U	3.3 U	2.9 U	2.8 U	3.4 U	3.4 U	3.2 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1	6.7 U	6.3 U	5.6 U	5.4 U	6.6 U	6.6 U	6.1 U
Trichlorobenzene, 1,2,4-	120-82-1	26 U	24.5 U	21.5 U	20.8 U	25.2 U	25.2 U	23.7 U
Trichloroethane, 1,1,1-	71-55-6	4.8 U	4.5 U	4 U	3.8 U	4.7 U	4.7 U	4.4 U
Trichloroethane, 1,1,2-	79-00-5	4.8 U	4.5 U	4 U	3.8 U	4.7 U	4.7 U	4.4 U
Trichloroethene	79-01-6	4.7 U	4.4 U	3.9 U	3.8 U	4.6 U	4.6 U	4.3 U
Trichlorofluoromethane	75-69-4	4.9 U	4.6 U	4.1 U	3.9 U	4.8 U	4.8 U	4.5 U
Trimethylbenzene, 1,2,4-	95-63-6	4.3 U	4 U	3.6 U	3.4 U	4.2 U	4.2 U	3.9 U
Trimethylbenzene, 1,3,5-	108-67-8	4.3 U	4 U	3.6 U	3.4 U	4.2 U	4.2 U	3.9 U
Trimethylpentane, 2,2,4-	540-84-1	4.1 U	3.8 U	3.4 U	3.3 U	4 U	4 U	3.7 U
Vinyl chloride	75-01-4	2.2 U	2.1 U	1.9 U	1.8 U	2.2 U	2.2 U	2 U

Table 1
Time-Weighted Average VOC Data Results
Community Air Monitoring Completion Report
Bay Shore/Brightwaters Former MGP Site
(February 2007 - August 2008)
February 2009

Sample Name: / Sample Date:	CAS number	DW-AMS 1 12/5/2007	AMS 5 UW 12/12/2007	DW AMS 1 1/2/2008	AMS 1 DW 12/12/2007	Duplicate of AMS 1 DW 12/12/2007	DW AMS3 12/19/2007	UWAMS5 1/9/2008
BTEX (ug/m^3)								
Benzene	71-43-2	2.7 U	2.7 U	2.7 U	2.9 U	2.9 U	**4.2**	3.2 U
Toluene	108-88-3	3.2 U	3.2 U	3.2 U	**6**	3.4 U	**12.1**	3.8 U
Ethylbenzene	100-41-4	3.6 U	3.7 U	3.7 U	3.9 U	3.9 U	3.4 U	4.3 U
Xylene, m,p-	108383/106423	3.6 U	3.7 U	3.7 U	3.9 U	3.9 U	**5.6**	4.3 U
Xylene, o-	95-47-6	3.6 U	3.7 U	3.7 U	3.9 U	3.9 U	3.4 U	4.3 U
Other VOCs (ug/m^3)								
Acetone	67-64-1	8.1 U	8.1 U	8.1 U	8.6 U	8.6 U	7.6 U	**20.4**
Allyl chloride	107-05-1	10.6 U	10.6 U	10.6 U	11.3 U	11.3 U	10 U	12.5 U
Benzyl chloride	100-44-7	4.3 U	4.5 U	4.5 U	4.7 U	4.7 U	4.1 U	5.2 U
Bromodichloromethane	75-27-4	5.6 U	5.8 U	5.8 U	6 U	6 U	5.3 U	6.7 U
Bromoform	75-25-2	8.7 U	8.9 U	8.9 U	9.3 U	9.3 U	8.2 U	10.3 U
Bromomethane	74-83-9	3.3 U	3.3 U	3.3 U	3.5 U	3.5 U	3.1 U	3.9 U
Butadiene, 1,3-	106-99-0	1.9 U	1.9 U	1.9 U	2 U	2 U	1.7 U	2.2 U
Butanone, 2-	78-93-3	2.5 U	2.5 U	2.5 U	**3.2**	2.7 U	**2.6**	**3.2**
Carbon disulfide	75-15-0	2.6 U	2.7 U	2.7 U	**5**	2.8 U	2.5 U	3.1 U
Carbon tetrachloride	56-23-5	5.3 UJ	5.4 U	5.4 U	5.7 U	5.7 U	5 U	6.3 U
Chlorobenzene	108-90-7	3.9 U	4 U	4 U	4.1 U	4.1 U	3.6 U	4.6 U
Chloroethane	75-00-3	2.2 U	2.3 U	2.3 U	2.4 U	2.4 U	2.1 U	2.6 U
Chloroform	67-66-3	4.1 U	4.2 U	4.2 U	4.4 U	4.4 U	3.9 U	4.9 U
Chloromethane	74-87-3	7 U	7 U	7 U	7.4 U	7.4 U	6.6 U	8.3 U
Cryofluorane	76-14-2	5.9 U	6 U	6 U	6.3 U	6.3 U	5.5 U	7 U
Cyclohexane	110-82-7	2.9 U	3 U	3 U	3.1 U	3.1 U	2.7 U	3.4 U
Dibromochloromethane	124-48-1	7.2 U	7.3 U	7.3 U	7.7 U	7.7 U	6.7 U	8.5 U
Dibromoethane, 1,2-	106-93-4	6.5 U	6.6 U	6.6 U	6.9 U	6.9 U	6.1 U	7.7 U
Dichlorobenzene, 1,2-	95-50-1	5.1 U	5.2 U	5.2 U	5.4 U	5.4 U	4.7 U	6 U
Dichlorobenzene, 1,3-	541-73-1	5.1 U	5.2 U	5.2 U	5.4 U	5.4 U	4.7 U	6 U
Dichlorobenzene, 1,4-	106-46-7	5.1 U	5.2 U	5.2 U	5.4 U	5.4 U	4.7 U	6 U
Dichlorodifluoromethane	75-71-8	4.2 U	4.3 U	4.3 U	4.5 U	4.5 U	3.9 U	4.9 U
Dichloroethane, 1,1-	75-34-3	3.4 U	3.5 U	3.5 U	3.6 U	3.6 U	3.2 U	4 U
Dichloroethane, 1,2-	107-06-2	3.4 U	3.5 U	3.5 U	3.6 U	3.6 U	3.2 U	4 U
Dichloroethene, cis-1,2-	156-59-2	3.3 U	3.4 U	3.4 U	3.6 U	3.6 U	3.1 U	4 U
Dichloroethene, 1,1-	75-35-4	3.3 U	3.4 U	3.4 U	3.6 U	3.6 U	3.1 U	4 U
Dichloropropane, 1,2-	78-87-5	3.9 U	4 U	4 U	4.2 U	4.2 U	3.7 U	4.6 U
Dichloropropene, cis-1,3	10061-01-5	3.8 U	3.9 U	3.9 U	4.1 U	4.1 U	3.6 U	4.5 U
Dichloropropene, trans-1,3	10061-02-6	3.8 U	3.9 U	3.9 U	4.1 U	4.1 U	3.6 U	4.5 U
Dioxane, 1,4-	123-91-1	12.3 U	12.3 U	12.3 U	13 U	13 U	11.5 U	14.4 U
Ethanol	64-17-5	6.4 U	6.4 U	6.4 U	6.8 U	**12.1**	**7.5**	7.5 U
Ethyltoluene, p-	622-96-8	4.1 U	4.2 U	4.2 U	4.4 U	4.4 U	3.9 U	4.9 U
Heptane, n-	142-82-5	3.4 U	3.5 U	3.5 U	3.7 U	3.7 U	3.2 U	4.1 U
Hexachlorobutadiene	87-68-3	36.3 U	36.3 U	36.3 U	38.4 U	38.4 U	34.1 U	42.7 U
Hexane, n-	110-54-3	3 U	3 U	3 U	3.2 U	3.2 U	**3.3**	3.5 U
Hexanone, 2-	591-78-6	13.9 U	13.9 U	13.9 U	14.7 U	14.7 U	13.1 U	16.4 U
Isopropyl benzene	98-82-8	4.1 U	4.2 U	4.2 U	4.4 U	4.4 U	3.9 U	4.9 U
Methyl tert-butyl ether	1634-04-4	3 U	3.1 U	3.1 U	3.2 U	3.2 U	2.8 U	3.6 U
Methyl-2-pentanone, 4-	108-10-1	3.4 UJ	3.5 U	3.5 U	3.7 U	3.7 U	3.2 U	4.1 U
Methylene chloride	75-09-2	2.9 U	3 U	3 U	3.1 U	3.1 U	2.7 U	3.5 U
Naphthalene	91-20-3	17.8 U	17.8 U	17.8 U	18.9 U	18.9 U	16.8 U	21 U
Propanol, 2-	67-63-0	8.4 U	8.4 U	8.4 U	8.8 U	8.8 U	7.9 U	9.8 U
Propylbenzene, n-	103-65-1	4.1 U	4.2 U	4.2 U	4.4 U	4.4 U	3.9 U	4.9 U
Styrene	100-42-5	3.6 U	3.7 U	3.7 U	3.8 U	3.8 U	3.4 U	4.3 U
Tetrachloroethane,1,1,2,2-	79-34-5	5.8 U	5.9 U	5.9 U	6.2 U	6.2 U	5.4 U	6.9 U
Tetrachloroethene	127-18-4	5.7 U	5.8 U	5.8 U	6.1 U	6.1 U	5.4 U	6.8 U
Tetrahydrofuran	109-99-9	2.5 U	2.5 U	2.5 U	2.7 U	2.7 U	2.3 U	2.9 U
Trans-1,2-dichloroethene	156-60-5	3.3 U	3.4 U	3.4 U	3.6 U	3.6 U	3.1 U	4 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1	6.4 U	6.6 U	6.6 U	6.9 U	6.9 U	6.1 U	7.7 U
Trichlorobenzene, 1,2,4-	120-82-1	25.2 U	25.2 U	25.2 U	26.7 U	26.7 U	23.7 U	29.7 U
Trichloroethane, 1,1,1-	71-55-6	4.6 U	4.7 U	4.7 U	4.9 U	4.9 U	4.3 U	5.5 U
Trichloroethane, 1,1,2-	79-00-5	4.6 U	4.7 U	4.7 U	4.9 U	4.9 U	4.3 U	5.5 U
Trichloroethene	79-01-6	4.5 U	4.6 U	4.6 U	4.8 U	4.8 U	4.2 U	5.4 U
Trichlorofluoromethane	75-69-4	4.7 U	4.8 U	4.8 U	5.1 U	5.1 U	4.4 U	5.6 U
Trimethylbenzene, 1,2,4-	95-63-6	4.1 U	4.2 U	4.2 U	4.4 U	4.4 U	3.9 U	4.9 U
Trimethylbenzene, 1,3,5-	108-67-8	4.1 U	4.2 U	4.2 U	4.4 U	4.4 U	3.9 U	4.9 U
Trimethylpentane, 2,2,4-	540-84-1	3.9 U	4 U	4 U	4.2 U	4.2 U	3.7 U	4.7 U
Vinyl chloride	75-01-4	2.1 U	2.2 U	2.2 U	2.3 U	2.3 U	2 U	2.6 U

Table 1
Time-Weighted Average VOC Data Results
Community Air Monitoring Completion Report
Bay Shore/Brightwaters Former MGP Site
(February 2007 - August 2008)
February 2009

Sample Name: / Sample Date:	CAS number	DWAMS3 1/9/2008	UW AMS 5 1/16/2008	DW AMS 1 1/16/2008	UW AMS5 1/23/2008	DW AMS3 1/23/2008	UW AMS 5 1/30/2008	DW AMS 3 1/30/2008
BTEX (ug/m^3)								
Benzene	71-43-2	5.4 U	2.7 U	2.6 U	2.9 U	2.6 U	2.7 U	2.9 U
Toluene	108-88-3	6.4 U	3.2 U	3.1 U	3.5 U	3.1 U	3.2 U	3.5 U
Ethylbenzene	100-41-4	7.4 U	3.7 U	3.6 U	4 U	3.6 U	3.7 U	4 U
Xylene, m,p-	108383/106423	7.4 U	3.7 U	3.6 U	4 U	3.6 U	3.7 U	4 U
Xylene, o-	95-47-6	7.4 U	3.7 U	3.6 U	4 U	3.6 U	3.7 U	4 U
Other VOCs (ug/m^3)								
Acetone	67-64-1	15.9 U	8.1 U	7.8 U	8.8 U	7.8 U	8.1 U	8.8 U
Allyl chloride	107-05-1	21 U	10.6 U	10.3 U	11.6 U	10.3 U	10.6 U	11.6 U
Benzyl chloride	100-44-7	8.8 U	4.5 U	4.2 U	4.8 U	4.2 U	4.5 U	4.8 U
Bromodichloromethane	75-27-4	11.4 U	5.8 U	5.5 U	6.2 U	5.5 U	5.8 U	6.2 U
Bromoform	75-25-2	17.6 U	8.9 U	8.5 U	9.5 U	8.5 U	8.9 U	9.5 U
Bromomethane	74-83-9	6.6 U	3.3 U	3.2 U	3.6 U	3.2 U	3.3 U	3.6 U
Butadiene, 1,3-	106-99-0	3.8 U	1.9 U	1.8 U	2 U	1.8 U	1.9 U	2 U
Butanone, 2-	78-93-3	5 U	2.5 U	2.4 U	2.7 U	2.4 U	2.5 U	2.7 U
Carbon disulfide	75-15-0	5.3 U	2.7 U	2.6 U	2.9 U	2.6 U	2.7 U	2.9 U
Carbon tetrachloride	56-23-5	10.7 U	5.4 U	5.2 U	5.8 U	5.2 U	5.4 U	5.8 U
Chlorobenzene	108-90-7	7.8 U	4 U	3.8 U	4.2 U	3.8 U	4 U	4.2 U
Chloroethane	75-00-3	4.5 U	2.3 U	2.2 U	2.4 U	2.2 U	2.3 U	2.4 U
Chloroform	67-66-3	8.3 U	4.2 U	4 U	4.5 U	4 U	4.2 U	4.5 U
Chloromethane	74-87-3	13.8 U	7 U	6.8 U	7.6 U	6.8 U	7 U	7.6 U
Cryofluorane	76-14-2	11.9 U	6 U	5.7 U	6.4 U	5.7 U	6 U	6.4 U
Cyclohexane	110-82-7	5.9 U	3 U	2.8 U	3.2 U	2.8 U	3 U	3.2 U
Dibromochloromethane	124-48-1	14.5 U	7.3 U	7 U	7.8 U	7 U	7.3 U	7.8 U
Dibromoethane, 1,2-	106-93-4	13.1 U	6.6 U	6.3 U	7.1 U	6.3 U	6.6 U	7.1 U
Dichlorobenzene, 1,2-	95-50-1	10.2 U	5.2 U	4.9 U	5.5 U	4.9 U	5.2 U	5.5 U
Dichlorobenzene, 1,3-	541-73-1	10.2 U	5.2 U	4.9 U	5.5 U	4.9 U	5.2 U	5.5 U
Dichlorobenzene, 1,4-	106-46-7	10.2 U	5.2 U	4.9 U	5.5 U	4.9 U	5.2 U	5.5 U
Dichlorodifluoromethane	75-71-8	8.4 U	4.3 U	4.1 U	4.5 U	4.1 U	4.3 U	4.5 U
Dichloroethane, 1,1-	75-34-3	6.9 U	3.5 U	3.3 U	3.7 U	3.3 U	3.5 U	3.7 U
Dichloroethane, 1,2-	107-06-2	6.9 U	3.5 U	3.3 U	3.7 U	3.3 U	3.5 U	3.7 U
Dichloroethene, cis-1,2-	156-59-2	6.7 U	3.4 U	3.3 U	3.6 U	3.3 U	3.4 U	3.6 U
Dichloroethene, 1,1-	75-35-4	6.7 U	3.4 U	3.3 U	3.6 U	3.3 U	3.4 U	3.6 U
Dichloropropane, 1,2-	78-87-5	7.9 U	4 U	3.8 U	4.3 U	3.8 U	4 U	4.3 U
Dichloropropene, cis-1,3	10061-01-5	7.7 U	3.9 U	3.7 U	4.2 U	3.7 U	3.9 U	4.2 U
Dichloropropene, trans-1,3	10061-02-6	7.7 U	3.9 U	3.7 U	4.2 U	3.7 U	3.9 U	4.2 U
Dioxane, 1,4-	123-91-1	24.1 U	12.3 U	11.9 U	13.3 U	11.9 U	12.3 U	13.3 U
Ethanol	64-17-5	12.6 U	6.4 U	6.2 U	7 U	6.2 U	6.4 U	7 U
Ethyltoluene, p-	622-96-8	8.4 U	4.2 U	4 U	4.5 U	4 U	4.2 U	4.5 U
Heptane, n-	142-82-5	7 U	3.5 U	3.4 U	3.8 U	3.4 U	3.5 U	3.8 U
Hexachlorobutadiene	87-68-3	71.5 U	36.3 U	35.2 U	39.5 U	35.2 U	36.3 U	39.5 U
Hexane, n-	110-54-3	6 U	3 U	2.9 U	3.2 U	2.9 U	3 U	3.2 U
Hexanone, 2-	591-78-6	27.4 U	13.9 U	13.5 U	15.2 U	13.5 U	13.9 U	15.2 U
Isopropyl benzene	98-82-8	8.4 U	4.2 U	4 U	4.5 U	4 U	4.2 U	4.5 U
Methyl tert-butyl ether	1634-04-4	6.1 U	3.1 U	3 U	3.3 U	3 U	3.1 U	3.3 U
Methyl-2-pentanone, 4-	108-10-1	7 U	3.5 U	3.4 U	3.8 U	3.4 U	3.5 UJ	3.8 UJ
Methylene chloride	75-09-2	5.9 U	3 U	2.8 U	3.2 U	2.8 U	3 U	3.2 U
Naphthalene	91-20-3	35.1 U	17.8 UJ	17.3 UJ	19.4 U	17.3 U	17.8 U	19.4 U
Propanol, 2-	67-63-0	16.5 U	8.4 U	8.1 U	9.1 U	8.1 U	8.4 U	9.1 U
Propylbenzene, n-	103-65-1	8.4 U	4.2 U	4 U	4.5 U	4 U	4.2 U	4.5 U
Styrene	100-42-5	7.2 U	3.7 U	3.5 U	3.9 U	3.5 U	3.7 U	3.9 U
Tetrachloroethane,1,1,2,2-	79-34-5	11.7 U	5.9 U	5.6 U	6.3 U	5.6 U	5.9 U	6.3 U
Tetrachloroethene	127-18-4	11.5 U	5.8 U	5.6 U	6.2 U	5.6 U	5.8 U	6.2 U
Tetrahydrofuran	109-99-9	5 U	2.5 U	2.4 U	2.7 U	2.4 U	2.5 U	2.7 U
Trans-1,2-dichloroethene	156-60-5	6.7 U	3.4 U	3.3 U	3.6 U	3.3 U	3.4 U	3.6 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1	13 U	6.6 U	6.3 U	7.1 U	6.3 U	6.6 U	7.1 U
Trichlorobenzene, 1,2,4-	120-82-1	49.7 U	25.2 U	24.5 U	27.5 U	24.5 U	25.2 U	27.5 U
Trichloroethane, 1,1,1-	71-55-6	9.3 U	4.7 U	4.5 U	5 U	4.5 U	4.7 U	5 U
Trichloroethane, 1,1,2-	79-00-5	9.3 U	4.7 U	4.5 U	5 U	4.5 U	4.7 U	5 U
Trichloroethene	79-01-6	9.1 U	4.6 U	4.4 U	4.9 U	4.4 U	4.6 U	4.9 U
Trichlorofluoromethane	75-69-4	9.6 U	4.8 U	4.6 U	5.2 U	4.6 U	4.8 U	5.2 U
Trimethylbenzene, 1,2,4-	95-63-6	8.4 U	4.2 U	4 U	4.5 U	4 U	4.2 U	4.5 U
Trimethylbenzene, 1,3,5-	108-67-8	8.4 U	4.2 U	4 U	4.5 U	4 U	4.2 U	4.5 U
Trimethylpentane, 2,2,4-	540-84-1	7.9 U	4 U	3.8 U	4.3 U	3.8 U	4 U	4.3 U
Vinyl chloride	75-01-4	4.3 U	2.2 U	2.1 U	2.4 U	2.1 U	2.2 U	2.4 U

Table 1
Time-Weighted Average VOC Data Results
Community Air Monitoring Completion Report
Bay Shore/Brightwaters Former MGP Site
(February 2007 - August 2008)
February 2009

Sample Name: / Sample Date:	CAS number	UW-AMS 5 2/6/2008	DW-AMS 1 2/6/2008	UW AMS 5 2/13/2008	DW AMS 3 2/13/2008	Duplicate of DW AMS 3 2/13/2008	TRIP BLANK 2/13/2008
BTEX (ug/m^3)							
Benzene	71-43-2	2.8 U	3.1 U	3 U	2.3 U	3.1 U	1.6 U
Toluene	108-88-3	**6.8**	3.7 U	3.5 U	**7.2**	3.6 U	1.9 U
Ethylbenzene	100-41-4	3.8 U	4.3 U	4.1 U	3.2 U	4.2 U	2.2 U
Xylene, m,p-	108383/106423	3.8 U	4.3 U	4.1 U	**5.2**	4.2 U	2.2 U
Xylene, o-	95-47-6	3.8 U	4.3 U	4.1 U	3.2 U	4.2 U	2.2 U
Other VOCs (ug/m^3)							
Acetone	67-64-1	8.3 U	9.3 U	8.8 U	**8.6 J**	**19.2 J**	4.8 U
Allyl chloride	107-05-1	11 U	12.2 U	11.6 U	9.1 U	11.9 U	6.3 U
Benzyl chloride	100-44-7	4.6 U	5.1 U	4.9 U	3.8 U	5 U	2.6 U
Bromodichloromethane	75-27-4	5.9 U	6.6 U	6.3 U	4.9 U	6.4 U	3.4 U
Bromoform	75-25-2	9.1 U	10.1 U	9.7 U	7.5 U	9.9 U	5.2 U
Bromomethane	74-83-9	3.4 U	3.8 U	3.6 U	2.8 U	3.7 U	1.9 U
Butadiene, 1,3-	106-99-0	1.9 U	2.2 U	2.1 U	1.6 U	2.1 U	1.1 U
Butanone, 2-	78-93-3	2.6 U	2.9 U	2.8 U	2.2 UJ	**8.3 J**	1.5 U
Carbon disulfide	75-15-0	2.7 U	3.1 U	**2.9 J**	**4**	3 U	1.6 U
Carbon tetrachloride	56-23-5	5.5 U	6.2 U	5.9 U	4.6 U	6 U	3.1 U
Chlorobenzene	108-90-7	4.1 U	4.5 U	**6.9**	3.4 U	4.4 U	2.3 U
Chloroethane	75-00-3	2.3 U	2.6 U	2.5 U	1.9 U	2.5 U	1.3 U
Chloroform	67-66-3	4.3 U	4.8 U	4.6 U	3.6 U	4.7 U	2.4 U
Chloromethane	74-87-3	7.2 U	8.1 U	7.6 U	6 U	7.8 U	4.1 U
Cryofluorane	76-14-2	6.2 U	6.9 U	6.6 U	5.1 U	6.7 U	3.5 U
Cyclohexane	110-82-7	3 U	3.4 U	3.2 U	2.5 U	3.3 U	1.7 U
Dibromochloromethane	124-48-1	7.5 U	8.3 U	8 U	6.2 U	8.2 U	4.3 U
Dibromoethane, 1,2-	106-93-4	6.8 U	7.5 U	7.2 U	5.6 U	7.4 U	3.8 U
Dichlorobenzene, 1,2-	95-50-1	5.3 U	5.9 U	5.7 U	4.4 U	5.8 U	3 U
Dichlorobenzene, 1,3-	541-73-1	5.3 U	5.9 U	5.7 U	4.4 U	5.8 U	3 U
Dichlorobenzene, 1,4-	106-46-7	5.3 U	5.9 U	5.7 U	4.4 U	5.8 U	3 U
Dichlorodifluoromethane	75-71-8	4.4 U	4.8 U	4.6 U	3.6 U	4.7 U	2.5 U
Dichloroethane, 1,1-	75-34-3	3.6 U	4 U	3.8 U	3 U	3.9 U	2 U
Dichloroethane, 1,2-	107-06-2	3.6 U	4 U	3.8 U	3 U	3.9 U	2 U
Dichloroethene, cis-1,2-	156-59-2	3.5 U	3.9 U	3.7 U	2.9 U	3.8 U	2 U
Dichloroethene, 1,1-	75-35-4	3.5 U	3.9 U	3.7 U	2.9 U	3.8 U	2 U
Dichloropropane, 1,2-	78-87-5	4.1 U	4.5 U	4.3 U	3.4 U	4.4 U	2.3 U
Dichloropropene, cis-1,3	10061-01-5	4 U	4.4 U	4.3 U	3.3 U	4.4 U	2.3 U
Dichloropropene, trans-1,3	10061-02-6	4 U	4.4 U	4.3 U	3.3 U	4.4 U	2.3 U
Dioxane, 1,4-	123-91-1	12.6 U	14.1 U	13.3 U	10.5 U	13.7 U	7.2 U
Ethanol	64-17-5	6.6 U	7.3 U	7 U	**6.4**	7.2 U	3.8 U
Ethyltoluene, p-	622-96-8	4.3 U	4.8 U	4.6 U	3.6 U	4.7 U	2.5 U
Heptane, n-	142-82-5	3.6 U	4 U	3.9 U	3 U	3.9 U	2 U
Hexachlorobutadiene	87-68-3	37.3 U	41.6 U	39.5 U	30.9 U	40.5 U	21.3 U
Hexane, n-	110-54-3	3.1 U	3.5 U	3.3 U	2.6 U	3.4 U	1.8 U
Hexanone, 2-	591-78-6	14.3 U	16 U	15.2 U	11.9 U	15.6 U	8.2 U
Isopropyl benzene	98-82-8	4.3 U	4.8 U	4.6 U	3.6 U	4.7 U	2.5 U
Methyl tert-butyl ether	1634-04-4	3.2 U	3.5 U	3.4 U	2.6 U	3.5 U	1.8 U
Methyl-2-pentanone, 4-	108-10-1	3.6 U	4 U	3.9 U	3 U	3.9 U	2 U
Methylene chloride	75-09-2	3.1 U	3.4 U	3.3 U	2.5 U	3.3 U	1.7 U
Naphthalene	91-20-3	18.3 U	20.4 U	19.4 U	15.2 U	19.9 U	10.5 U
Propanol, 2-	67-63-0	8.6 U	9.6 U	9.1 U	7.1 U	9.3 U	4.9 U
Propylbenzene, n-	103-65-1	4.3 U	4.8 U	4.6 U	3.6 U	4.7 U	2.5 U
Styrene	100-42-5	3.7 U	4.2 U	4 U	3.1 U	4.1 U	2.1 U
Tetrachloroethane,1,1,2,2-	79-34-5	6 U	6.7 U	6.5 U	5 U	6.6 U	3.4 U
Tetrachloroethene	127-18-4	6 U	6.6 U	6.4 U	5 U	6.5 U	3.4 U
Tetrahydrofuran	109-99-9	2.6 U	2.9 U	2.8 U	2.2 U	2.8 U	1.5 U
Trans-1,2-dichloroethene	156-60-5	3.5 U	3.9 U	3.7 U	2.9 U	3.8 U	2 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1	6.7 U	7.5 U	7.2 U	5.6 U	7.4 U	3.8 U
Trichlorobenzene, 1,2,4-	120-82-1	26 U	28.9 U	27.5 U	21.5 U	28.2 U	14.8 U
Trichloroethane, 1,1,1-	71-55-6	4.8 U	5.3 U	5.1 U	4 U	5.2 U	2.7 U
Trichloroethane, 1,1,2-	79-00-5	4.8 U	5.3 U	5.1 U	4 U	5.2 U	2.7 U
Trichloroethene	79-01-6	4.7 U	5.3 U	5.1 U	3.9 U	5.2 U	2.7 U
Trichlorofluoromethane	75-69-4	4.9 U	5.5 U	5.3 U	4.1 U	5.4 U	2.8 U
Trimethylbenzene, 1,2,4-	95-63-6	4.3 U	4.8 U	4.6 U	**6.9**	4.7 U	2.5 U
Trimethylbenzene, 1,3,5-	108-67-8	4.3 U	4.8 U	4.6 U	3.6 U	4.7 U	2.5 U
Trimethylpentane, 2,2,4-	540-84-1	4.1 U	4.6 U	4.4 U	3.4 U	4.5 U	2.3 U
Vinyl chloride	75-01-4	2.2 U	2.5 U	2.4 U	1.9 U	2.5 U	1.3 U

Table 1
Time-Weighted Average VOC Data Results
Community Air Monitoring Completion Report
Bay Shore/Brightwaters Former MGP Site
(February 2007 - August 2008)
February 2009

Sample Name: / Sample Date:	CAS number	UW AMS-5 2/20/2008	DW AMS-1 2/20/2008	UW AMS-5 UW 2/27/2008	DW AMS-1 DW 2/27/2008	UW AMS 5 3/6/2008	DW AMS 3 3/6/2008
BTEX (ug/m^3)							
Benzene	71-43-2	2.6 U	2.3 U	2.8 U	2.9 U	**2.8**	2.7 U
Toluene	108-88-3	**6**	**10.6**	3.3 U	3.4 U	**5.7**	**3.5**
Ethylbenzene	100-41-4	3.5 U	3.1 U	3.8 U	3.9 U	3.3 U	3.6 U
Xylene, m,p-	108383/106423	3.5 U	3.1 U	3.8 U	3.9 U	3.3 U	3.6 U
Xylene, o-	95-47-6	3.5 U	3.1 U	3.8 U	3.9 U	3.3 U	3.6 U
Other VOCs (ug/m^3)							
Acetone	67-64-1	**12.4**	6.9 U	**11.2**	**11.9**	**12.8**	**8.1**
Allyl chloride	107-05-1	10 U	9.1 U	11 U	11.3 U	9.4 U	10.6 U
Benzyl chloride	100-44-7	4.1 U	3.7 U	4.6 U	4.7 U	3.9 U	4.3 U
Bromodichloromethane	75-27-4	5.4 U	4.8 U	5.9 U	6 U	5.1 U	5.6 U
Bromoform	75-25-2	8.3 U	7.4 U	9.1 U	9.3 U	7.9 U	8.7 U
Bromomethane	74-83-9	3.1 U	2.8 U	3.4 U	3.5 U	3 U	3.3 U
Butadiene, 1,3-	106-99-0	1.8 U	1.6 U	1.9 U	2 U	1.7 U	1.9 U
Butanone, 2-	78-93-3	2.4 U	2.1 U	2.6 U	2.7 U	2.2 U	**2.7**
Carbon disulfide	75-15-0	2.5 U	2.2 U	2.7 U	2.8 U	2.4 U	2.6 U
Carbon tetrachloride	56-23-5	5 U	4.5 U	5.5 U	5.7 U	4.8 U	5.3 U
Chlorobenzene	108-90-7	3.7 U	3.3 U	4.1 U	4.1 U	3.5 U	3.9 U
Chloroethane	75-00-3	2.1 U	1.9 U	2.3 U	2.4 U	2 U	2.2 U
Chloroform	67-66-3	3.9 U	3.5 U	4.3 U	4.4 U	3.7 U	4.1 U
Chloromethane	74-87-3	6.6 U	6 U	7.2 U	7.4 U	6.2 U	7 U
Cryofluorane	76-14-2	5.6 U	5 U	6.2 U	6.3 U	5.3 U	5.9 U
Cyclohexane	110-82-7	2.8 U	2.5 U	3 U	3.1 U	2.6 U	2.9 U
Dibromochloromethane	124-48-1	6.8 U	6.1 U	7.5 U	7.7 U	6.5 U	7.2 U
Dibromoethane, 1,2-	106-93-4	6.1 U	5.5 U	6.8 U	6.9 U	5.8 U	6.5 U
Dichlorobenzene, 1,2-	95-50-1	4.8 U	4.3 U	5.3 U	5.4 U	4.6 U	5.1 U
Dichlorobenzene, 1,3-	541-73-1	4.8 U	4.3 U	5.3 U	5.4 U	4.6 U	5.1 U
Dichlorobenzene, 1,4-	106-46-7	4.8 U	4.3 U	5.3 U	5.4 U	4.6 U	5.1 U
Dichlorodifluoromethane	75-71-8	4 U	3.6 U	4.4 U	4.5 U	3.8 U	4.2 U
Dichloroethane, 1,1-	75-34-3	3.2 U	2.9 U	3.6 U	3.6 U	3.1 U	3.4 U
Dichloroethane, 1,2-	107-06-2	3.2 U	2.9 U	3.6 U	3.6 U	3.1 U	3.4 U
Dichloroethene, cis-1,2-	156-59-2	3.2 U	2.9 U	3.5 U	3.6 U	3 U	3.3 U
Dichloroethene, 1,1-	75-35-4	3.2 U	2.9 U	3.5 U	3.6 U	3 U	3.3 U
Dichloropropane, 1,2-	78-87-5	3.7 U	3.3 U	4.1 U	4.2 U	3.5 U	3.9 U
Dichloropropene, cis-1,3	10061-01-5	3.6 U	3.3 U	4 U	4.1 U	3.4 U	3.8 U
Dichloropropene, trans-1,3	10061-02-6	3.6 U	3.3 U	4 U	4.1 U	3.4 U	3.8 U
Dioxane, 1,4-	123-91-1	11.5 U	10.5 U	12.6 U	13 U	10.8 U	12.3 U
Ethanol	64-17-5	6 U	5.5 U	6.6 U	6.8 U	**10.7**	6.4 U
Ethyltoluene, p-	622-96-8	3.9 U	3.5 U	4.3 U	4.4 U	3.7 U	4.1 U
Heptane, n-	142-82-5	3.3 U	3 U	3.6 U	3.7 U	3.1 U	3.4 U
Hexachlorobutadiene	87-68-3	34.1 U	30.9 U	37.3 U	38.4 U	32 U	36.3 U
Hexane, n-	110-54-3	2.8 U	2.5 U	3.1 U	3.2 U	2.7 U	3 U
Hexanone, 2-	591-78-6	13.1 U	11.9 U	14.3 U	14.7 U	12.3 U	13.9 U
Isopropyl benzene	98-82-8	3.9 U	3.5 U	4.3 U	4.4 U	3.7 U	4.1 U
Methyl tert-butyl ether	1634-04-4	2.9 UJ	2.6 UJ	3.2 U	3.2 U	2.7 U	3 U
Methyl-2-pentanone, 4-	108-10-1	3.3 U	2.9 U	3.6 U	3.7 U	3.1 U	3.4 U
Methylene chloride	75-09-2	2.8 U	2.5 U	3.1 U	3.1 U	2.6 U	2.9 U
Naphthalene	91-20-3	16.8 U	15.2 U	18.3 U	18.9 U	15.7 U	17.8 U
Propanol, 2-	67-63-0	7.9 U	7.1 U	8.6 U	8.8 U	**12.8**	8.4 U
Propylbenzene, n-	103-65-1	3.9 U	3.5 U	4.3 U	4.4 U	3.7 U	4.1 U
Styrene	100-42-5	3.4 U	3.1 U	3.7 U	3.8 U	3.2 U	3.6 U
Tetrachloroethane,1,1,2,2-	79-34-5	5.5 U	4.9 U	6 U	6.2 U	5.2 U	5.8 U
Tetrachloroethene	127-18-4	5.4 U	4.9 U	6 U	6.1 U	5.2 U	5.7 U
Tetrahydrofuran	109-99-9	2.4 U	2.1 U	2.6 U	2.7 U	2.2 U	2.5 U
Trans-1,2-dichloroethene	156-60-5	3.2 U	2.9 U	3.5 U	3.6 U	3 U	3.3 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1	6.1 U	5.5 U	6.7 U	6.9 U	5.8 U	6.4 U
Trichlorobenzene, 1,2,4-	120-82-1	23.7 U	21.5 U	26 U	26.7 U	22.3 U	25.2 U
Trichloroethane, 1,1,1-	71-55-6	4.4 U	3.9 U	4.8 U	4.9 U	4.1 U	4.6 U
Trichloroethane, 1,1,2-	79-00-5	4.4 U	3.9 U	4.8 U	4.9 U	4.1 U	4.6 U
Trichloroethene	79-01-6	4.3 U	3.9 U	4.7 U	4.8 U	4.1 U	4.5 U
Trichlorofluoromethane	75-69-4	4.5 U	4 U	4.9 U	5.1 U	4.3 UJ	4.7 UJ
Trimethylbenzene, 1,2,4-	95-63-6	3.9 U	3.5 U	4.3 U	4.4 U	3.7 U	4.1 U
Trimethylbenzene, 1,3,5-	108-67-8	3.9 U	3.5 U	4.3 U	4.4 U	3.7 U	4.1 U
Trimethylpentane, 2,2,4-	540-84-1	3.7 UJ	3.4 UJ	4.1 U	4.2 U	3.6 U	3.9 U
Vinyl chloride	75-01-4	2 U	1.8 U	2.2 U	2.3 U	1.9 U	2.1 U

Table 1
Time-Weighted Average VOC Data Results
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Bay Shore/Brightwaters Former MGP Site
(February 2007 - August 2008)
February 2009

Sample Name: / Sample Date:	CAS number	UW-AMS 5 3/12/2008	DW-AMS 3 3/12/2008	UW AMS 5 3/20/2008	DW AMS 3 3/20/2008	U_W_-AMS 5 3/26/2008	DW AMS 3 3/26/2008
BTEX (ug/m^3)							
Benzene	71-43-2	2.2 U	2.1 U	2.7 U	2.1 U	2.8 U	2.8 U
Toluene	108-88-3	**29**	**49**	3.2 U	**5.7**	3.3 U	3.3 U
Ethylbenzene	100-41-4	3 U	2.9 U	3.7 U	2.8 U	3.8 U	3.8 U
Xylene, m,p-	108383/106423	3 U	**4.2**	3.7 U	2.8 U	3.8 U	3.8 U
Xylene, o-	95-47-6	3 U	2.9 U	3.7 U	2.8 U	3.8 U	3.8 U
Other VOCs (ug/m^3)							
Acetone	67-64-1	**7.6**	**13.3**	8.1 U	**13.3**	**15.4**	8.3 U
Allyl chloride	107-05-1	8.8 U	8.1 U	10.6 U	8.1 U	11 U	11 U
Benzyl chloride	100-44-7	3.6 U	3.4 U	4.5 U	3.4 U	4.6 U	4.6 U
Bromodichloromethane	75-27-4	4.7 U	4.4 U	5.8 U	4.4 U	5.9 U	5.9 U
Bromoform	75-25-2	7.2 U	6.8 U	8.9 U	6.7 U	9.1 U	9.1 U
Bromomethane	74-83-9	2.7 U	2.6 U	3.3 U	2.5 U	3.4 U	3.4 U
Butadiene, 1,3-	106-99-0	1.5 U	1.5 U	1.9 U	1.4 U	1.9 UJ	1.9 UJ
Butanone, 2-	78-93-3	2.1 U	1.9 U	2.5 U	1.9 U	2.6 U	2.6 U
Carbon disulfide	75-15-0	2.2 U	2.1 U	2.7 U	2 U	2.7 U	2.7 U
Carbon tetrachloride	56-23-5	4.4 U	4.2 U	5.4 U	4.1 U	5.5 U	5.5 U
Chlorobenzene	108-90-7	3.2 U	3 U	4 U	3 U	4.1 U	4.1 U
Chloroethane	75-00-3	1.8 U	1.7 U	2.3 U	1.7 U	2.3 U	2.3 U
Chloroform	67-66-3	3.4 U	3.2 U	4.2 U	3.2 U	4.3 U	4.3 U
Chloromethane	74-87-3	5.8 U	5.4 U	7 U	5.4 U	7.2 U	7.2 U
Cryofluorane	76-14-2	4.9 U	4.6 U	6 U	4.5 U	6.2 U	6.2 U
Cyclohexane	110-82-7	2.4 U	2.3 U	3 U	2.2 U	3 U	3 U
Dibromochloromethane	124-48-1	6 U	5.6 U	7.3 U	5.5 U	7.5 U	7.5 U
Dibromoethane, 1,2-	106-93-4	5.4 U	5.1 U	6.6 U	5 U	6.8 U	6.8 U
Dichlorobenzene, 1,2-	95-50-1	4.2 U	4 U	5.2 U	3.9 U	5.3 U	5.3 U
Dichlorobenzene, 1,3-	541-73-1	4.2 U	4 U	5.2 U	3.9 U	5.3 U	5.3 U
Dichlorobenzene, 1,4-	106-46-7	4.2 U	4 U	5.2 U	3.9 U	5.3 U	5.3 U
Dichlorodifluoromethane	75-71-8	3.5 U	3.3 U	4.3 U	3.2 U	4.4 U	4.4 U
Dichloroethane, 1,1-	75-34-3	2.8 U	2.7 U	3.5 U	2.6 U	3.6 U	3.6 U
Dichloroethane, 1,2-	107-06-2	2.8 U	2.7 U	3.5 U	2.6 U	3.6 U	3.6 U
Dichloroethene, cis-1,2-	156-59-2	2.8 U	2.6 U	3.4 U	2.6 U	3.5 U	3.5 U
Dichloroethene, 1,1-	75-35-4	2.8 U	2.6 U	3.4 U	2.6 U	3.5 U	3.5 U
Dichloropropane, 1,2-	78-87-5	3.2 U	3.1 U	4 U	3 U	4.1 U	4.1 U
Dichloropropene, cis-1,3	10061-01-5	3.2 U	3 U	3.9 U	3 U	4 U	4 U
Dichloropropene, trans-1,3	10061-02-6	3.2 U	3 U	3.9 U	3 U	4 U	4 U
Dioxane, 1,4-	123-91-1	10.1 U	9.4 U	12.3 U	9.4 U	12.6 U	12.6 U
Ethanol	64-17-5	**7.7**	**12.2**	6.4 U	**135.7**	6.6 U	6.6 U
Ethyltoluene, p-	622-96-8	3.4 U	3.2 U	4.2 U	3.2 U	4.3 U	4.3 U
Heptane, n-	142-82-5	2.9 U	2.7 U	3.5 U	2.7 U	3.6 U	3.6 U
Hexachlorobutadiene	87-68-3	29.9 U	27.7 U	36.3 U	27.7 U	37.3 U	37.3 U
Hexane, n-	110-54-3	2.5 U	**2.7**	3 U	2.3 U	3.1 U	3.1 U
Hexanone, 2-	591-78-6	11.5 U	10.7 U	13.9 U	10.7 U	14.3 U	14.3 U
Isopropyl benzene	98-82-8	3.4 U	3.2 U	4.2 U	3.2 U	4.3 U	4.3 U
Methyl tert-butyl ether	1634-04-4	2.5 U	2.4 U	3.1 UJ	2.3 UJ	3.2 U	3.2 U
Methyl-2-pentanone, 4-	108-10-1	2.9 U	2.7 U	3.5 U	2.7 U	3.6 U	3.6 U
Methylene chloride	75-09-2	**4.9**	**3.2**	3 U	2.3 U	3.1 U	3.1 U
Naphthalene	91-20-3	14.7 U	13.6 U	17.8 U	13.6 U	18.3 U	18.3 U
Propanol, 2-	67-63-0	6.9 U	**14.3**	8.4 U	**51.6**	8.6 U	8.6 U
Propylbenzene, n-	103-65-1	3.4 U	3.2 U	4.2 U	3.2 U	4.3 U	4.3 U
Styrene	100-42-5	3 U	2.8 U	3.7 U	2.8 U	3.7 U	3.7 U
Tetrachloroethane,1,1,2,2-	79-34-5	4.8 U	4.5 U	5.9 U	4.5 U	6 U	6 U
Tetrachloroethene	127-18-4	4.7 U	4.5 U	5.8 U	4.4 U	6 U	6 U
Tetrahydrofuran	109-99-9	2.1 U	1.9 U	2.5 UJ	1.9 UJ	2.6 U	2.6 U
Trans-1,2-dichloroethene	156-60-5	2.8 U	2.6 U	3.4 U	2.6 U	3.5 U	3.5 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1	5.4 U	5.1 U	6.6 U	5 U	6.7 U	6.7 U
Trichlorobenzene, 1,2,4-	120-82-1	20.8 U	19.3 U	25.2 U	19.3 U	26 U	26 U
Trichloroethane, 1,1,1-	71-55-6	3.8 U	3.6 U	4.7 U	3.5 U	4.8 U	4.8 U
Trichloroethane, 1,1,2-	79-00-5	3.8 U	3.6 U	4.7 U	3.5 U	4.8 U	4.8 U
Trichloroethene	79-01-6	3.8 U	3.5 U	4.6 U	3.5 U	4.7 U	4.7 U
Trichlorofluoromethane	75-69-4	3.9 U	3.7 U	4.8 U	3.7 U	4.9 U	4.9 U
Trimethylbenzene, 1,2,4-	95-63-6	3.4 U	3.2 U	4.2 U	3.2 U	4.3 U	4.3 U
Trimethylbenzene, 1,3,5-	108-67-8	3.4 U	3.2 U	4.2 U	3.2 U	4.3 U	4.3 U
Trimethylpentane, 2,2,4-	540-84-1	3.3 U	3.1 U	4 U	3 U	4.1 U	4.1 U
Vinyl chloride	75-01-4	1.8 U	1.7 U	2.2 U	1.7 U	2.2 UJ	2.2 UJ

Table 1
Time-Weighted Average VOC Data Results
Community Air Monitoring Completion Report
Bay Shore/Brightwaters Former MGP Site
(February 2007 - August 2008)
February 2009

Sample Name: / Sample Date:	CAS number	UW AMS 5 4/2/2008	DW 31138 4/2/2008	UW AMS 1 4/9/2008	DW AMS 5 4/9/2008	Duplicate of DW AMS 5 4/9/2008	Trip Blank 4/9/2008	AMS-5 UW 4/17/2008
BTEX (ug/m^3)								
Benzene	71-43-2	2.7 U	2.7 U	2.6 U	2.6 U	2.5 U	1.6 U	2.8 U
Toluene	108-88-3	3.2 U	3.2 U	3.1 U	3.1 UJ	**7.2 J**	1.9 U	**4.1**
Ethylbenzene	100-41-4	3.6 U	3.7 U	3.6 U	3.6 U	3.4 U	2.2 U	3.8 U
Xylene, m,p-	108383/106423	3.6 U	3.7 U	3.6 U	3.6 U	3.4 U	2.2 U	3.8 U
Xylene, o-	95-47-6	3.6 U	3.7 U	3.6 U	3.6 U	3.4 U	2.2 U	3.8 U
Other VOCs (ug/m^3)								
Acetone	67-64-1	8.1 U	8.1 U	7.8 U	**28.5 J**	7.4 UJ	4.8 U	8.3 U
Allyl chloride	107-05-1	10.6 U	10.6 U	10.3 U	10.3 U	9.7 U	6.3 U	11 U
Benzyl chloride	100-44-7	4.3 U	4.5 U	4.2 U	4.2 U	4 U	2.6 U	4.6 U
Bromodichloromethane	75-27-4	5.6 U	5.8 U	5.5 U	5.5 U	5.2 U	3.4 U	5.9 U
Bromoform	75-25-2	8.7 U	8.9 U	8.5 U	8.5 U	8.1 U	5.2 U	9.1 U
Bromomethane	74-83-9	3.3 U	3.3 U	3.2 U	3.2 U	3 U	1.9 U	3.4 U
Butadiene, 1,3-	106-99-0	1.9 U	1.9 U	1.8 U	1.8 U	1.7 U	1.1 U	1.9 U
Butanone, 2-	78-93-3	2.5 U	2.5 U	2.4 U	**7.1 J**	2.3 UJ	1.5 U	2.6 U
Carbon disulfide	75-15-0	2.6 U	2.7 U	2.6 U	2.6 U	2.4 U	1.6 U	2.7 U
Carbon tetrachloride	56-23-5	5.3 U	5.4 U	5.2 U	5.2 U	4.9 U	3.1 U	5.5 U
Chlorobenzene	108-90-7	3.9 U	4 U	3.8 U	3.8 U	3.6 U	2.3 U	4.1 U
Chloroethane	75-00-3	2.2 U	2.3 U	2.2 U	2.2 U	2.1 U	1.3 U	2.3 U
Chloroform	67-66-3	4.1 U	4.2 U	4 U	4 U	3.8 U	2.4 U	4.3 U
Chloromethane	74-87-3	7 U	7 U	6.8 U	6.8 U	6.4 U	4.1 U	7.2 U
Cryofluorane	76-14-2	5.9 U	6 U	5.7 U	5.7 U	5.5 U	3.5 U	6.2 U
Cyclohexane	110-82-7	2.9 U	3 U	2.8 U	2.8 U	2.7 U	1.7 U	3 U
Dibromochloromethane	124-48-1	7.2 U	7.3 U	7 U	7 U	6.6 U	4.3 U	7.5 U
Dibromoethane, 1,2-	106-93-4	6.5 U	6.6 U	6.3 U	6.3 U	6 U	3.8 U	6.8 U
Dichlorobenzene, 1,2-	95-50-1	5.1 U	5.2 U	4.9 U	4.9 U	4.7 U	3 U	5.3 U
Dichlorobenzene, 1,3-	541-73-1	5.1 U	5.2 U	4.9 U	4.9 U	4.7 U	3 U	5.3 U
Dichlorobenzene, 1,4-	106-46-7	5.1 U	5.2 U	4.9 U	4.9 U	4.7 U	3 U	5.3 U
Dichlorodifluoromethane	75-71-8	4.2 U	4.3 U	**4.6**	4.1 U	3.9 U	2.5 U	4.4 U
Dichloroethane, 1,1-	75-34-3	3.4 U	3.5 U	3.3 U	3.3 U	3.2 U	2 U	3.6 U
Dichloroethane, 1,2-	107-06-2	3.4 U	3.5 U	3.3 U	3.3 U	3.2 U	2 U	3.6 U
Dichloroethene, cis-1,2-	156-59-2	3.3 U	3.4 U	3.3 U	3.3 U	3.1 U	2 U	3.5 U
Dichloroethene, 1,1-	75-35-4	3.3 U	3.4 U	3.3 U	3.3 U	3.1 U	2 U	3.5 U
Dichloropropane, 1,2-	78-87-5	3.9 U	4 U	3.8 U	3.8 U	3.6 U	2.3 U	4.1 U
Dichloropropene, cis-1,3	10061-01-5	3.8 U	3.9 U	3.7 U	3.7 U	3.5 U	2.3 U	4 U
Dichloropropene, trans-1,3	10061-02-6	3.8 U	3.9 U	3.7 U	3.7 U	3.5 U	2.3 U	4 U
Dioxane, 1,4-	123-91-1	12.3 U	12.3 U	11.9 U	11.9 U	11.2 U	7.2 U	12.6 U
Ethanol	64-17-5	6.4 U	6.4 U	6.2 U	6.2 U	5.8 U	3.8 U	6.6 U
Ethyltoluene, p-	622-96-8	4.1 U	4.2 U	4 U	4 U	3.8 U	2.5 U	4.3 U
Heptane, n-	142-82-5	3.4 U	3.5 U	3.4 U	3.4 U	3.2 U	2 U	3.6 U
Hexachlorobutadiene	87-68-3	36.3 U	36.3 U	35.2 U	35.2 U	33.1 U	21.3 U	37.3 U
Hexane, n-	110-54-3	3 U	3 U	2.9 U	2.9 U	**4.2**	1.8 U	3.1 U
Hexanone, 2-	591-78-6	13.9 U	13.9 U	13.5 U	13.5 U	12.7 U	8.2 U	14.3 U
Isopropyl benzene	98-82-8	4.1 U	4.2 U	4 U	4 U	3.8 U	2.5 U	4.3 U
Methyl tert-butyl ether	1634-04-4	3 U	3.1 U	3 U	3 U	2.8 U	1.8 U	3.2 U
Methyl-2-pentanone, 4-	108-10-1	3.4 U	3.5 U	3.4 U	3.4 U	3.2 U	2 U	3.6 U
Methylene chloride	75-09-2	2.9 U	3 U	2.8 U	2.8 U	2.7 U	1.7 U	3.1 U
Naphthalene	91-20-3	17.8 U	17.8 U	17.3 U	17.3 U	16.3 U	10.5 U	18.3 U
Propanol, 2-	67-63-0	8.4 U	8.4 U	8.1 U	8.1 U	7.6 U	4.9 U	8.6 U
Propylbenzene, n-	103-65-1	4.1 U	4.2 U	4 U	4 U	3.8 U	2.5 U	4.3 U
Styrene	100-42-5	3.6 U	3.7 U	3.5 U	3.5 U	3.3 U	2.1 U	3.7 U
Tetrachloroethane,1,1,2,2-	79-34-5	5.8 U	5.9 U	5.6 U	5.6 U	5.4 U	3.4 U	6 U
Tetrachloroethene	127-18-4	5.7 U	5.8 U	5.6 U	5.6 U	5.3 U	3.4 U	6 U
Tetrahydrofuran	109-99-9	2.5 U	2.5 U	**6.8 J**	2.4 UJ	2.3 U	1.5 U	2.6 U
Trans-1,2-dichloroethene	156-60-5	3.3 U	3.4 U	3.3 U	3.3 U	3.1 U	2 U	3.5 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1	6.4 U	6.6 U	6.3 U	6.3 U	6 U	3.8 U	6.7 U
Trichlorobenzene, 1,2,4-	120-82-1	25.2 U	25.2 U	24.5 U	24.5 U	23 U	14.8 U	26 U
Trichloroethane, 1,1,1-	71-55-6	4.6 U	4.7 U	4.5 U	4.5 U	4.3 U	2.7 U	4.8 U
Trichloroethane, 1,1,2-	79-00-5	4.6 U	4.7 U	4.5 U	4.5 U	4.3 U	2.7 U	4.8 U
Trichloroethene	79-01-6	4.5 U	4.6 U	4.4 U	4.4 U	4.2 U	2.7 U	4.7 U
Trichlorofluoromethane	75-69-4	4.7 U	4.8 U	4.6 U	4.6 U	4.4 U	2.8 U	4.9 U
Trimethylbenzene, 1,2,4-	95-63-6	4.1 U	4.2 U	4 U	4 U	3.8 U	2.5 U	4.3 U
Trimethylbenzene, 1,3,5-	108-67-8	4.1 U	4.2 U	4 U	4 U	3.8 U	2.5 U	4.3 U
Trimethylpentane, 2,2,4-	540-84-1	3.9 U	4 U	3.8 U	3.8 U	3.6 U	2.3 U	4.1 U
Vinyl chloride	75-01-4	2.1 U	2.2 U	2.1 U	2.1 U	2 U	1.3 U	2.2 U

Table 1
Time-Weighted Average VOC Data Results
Community Air Monitoring Completion Report
Bay Shore/Brightwaters Former MGP Site
(February 2007 - August 2008)
February 2009

Sample Name: / Sample Date:	CAS number	AMS-3 DW 4/17/2008	AMS UW 4/23/2008	AMS DW 4/23/2008	AMS 7 UW 4/30/2008	AMS 1 DW 4/30/2008	UW AMS 5 5/8/2008	DW AMS 3 5/8/2008
BTEX (ug/m^3)								
Benzene	71-43-2	2.4 U	2.4 U	2.7 U	2.8 U	2.7 U	2.8 U	2.8 U
Toluene	108-88-3	**4.1**	**4.9**	**6.4**	3.3 U	3.2 U	3.3 U	3.3 U
Ethylbenzene	100-41-4	3.2 U	3.2 U	3.7 U	3.8 U	3.7 U	3.8 U	3.8 U
Xylene, m,p-	108383/106423	**3.6**	3.2 U	3.7 U	3.8 U	3.7 U	3.8 U	3.8 U
Xylene, o-	95-47-6	3.2 U	3.2 U	3.7 U	3.8 U	3.7 U	3.8 U	3.8 U
Other VOCs (ug/m^3)								
Acetone	67-64-1	**14**	7.1 U	8.1 U	**11.6**	8.1 U	8.3 U	8.3 U
Allyl chloride	107-05-1	9.4 U	9.4 U	10.6 U	11 U	10.6 U	11 U	11 U
Benzyl chloride	100-44-7	3.8 U	3.8 U	4.5 U	4.6 U	4.5 U	4.6 U	4.6 U
Bromodichloromethane	75-27-4	5 U	5 U	5.8 U	5.9 U	5.8 U	5.9 U	5.9 U
Bromoform	75-25-2	7.6 U	7.6 U	8.9 U	9.1 UJ	8.9 UJ	9.1 UJ	9.1 UJ
Bromomethane	74-83-9	2.9 U	2.9 U	3.3 U	3.4 U	3.3 U	3.4 U	3.4 U
Butadiene, 1,3-	106-99-0	1.6 U	1.6 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Butanone, 2-	78-93-3	**2.9**	2.2 U	2.5 U	2.6 U	2.5 U	2.6 U	2.6 U
Carbon disulfide	75-15-0	2.3 U	2.3 U	2.7 U	2.7 U	2.7 U	**3.1**	2.7 U
Carbon tetrachloride	56-23-5	4.7 U	4.7 U	5.4 U	5.5 UJ	5.4 UJ	5.5 U	5.5 U
Chlorobenzene	108-90-7	3.4 U	3.4 U	4 U	4.1 U	4 U	4.1 U	4.1 U
Chloroethane	75-00-3	2 U	2 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U
Chloroform	67-66-3	3.6 U	3.6 U	4.2 U	4.3 U	4.2 U	4.3 U	4.3 U
Chloromethane	74-87-3	6.2 U	6.2 U	7 U	7.2 U	7 U	7.2 U	7.2 U
Cryofluorane	76-14-2	5.2 U	5.2 U	6 U	6.2 U	6 U	6.2 U	6.2 U
Cyclohexane	110-82-7	2.5 U	2.5 U	3 U	3 U	3 U	3 U	3 U
Dibromochloromethane	124-48-1	6.3 U	6.3 U	7.3 U	7.5 U	7.3 U	7.5 U	7.5 U
Dibromoethane, 1,2-	106-93-4	5.7 U	5.7 U	6.6 U	6.8 U	6.6 U	6.8 U	6.8 U
Dichlorobenzene, 1,2-	95-50-1	4.4 U	4.4 U	5.2 U	5.3 U	5.2 U	5.3 U	5.3 U
Dichlorobenzene, 1,3-	541-73-1	4.4 U	4.4 U	5.2 U	5.3 U	5.2 U	5.3 U	5.3 U
Dichlorobenzene, 1,4-	106-46-7	4.4 U	4.4 U	5.2 U	5.3 U	5.2 U	5.3 U	5.3 U
Dichlorodifluoromethane	75-71-8	3.7 U	3.7 U	4.3 U	4.4 U	4.3 U	4.4 U	4.4 U
Dichloroethane, 1,1-	75-34-3	3 U	3 U	3.5 U	3.6 U	3.5 U	3.6 U	3.6 U
Dichloroethane, 1,2-	107-06-2	3 U	3 U	3.5 U	3.6 U	3.5 U	3.6 UJ	3.6 UJ
Dichloroethene, cis-1,2-	156-59-2	2.9 U	2.9 U	3.4 U	3.5 U	3.4 U	3.5 U	3.5 U
Dichloroethene, 1,1-	75-35-4	2.9 U	2.9 U	3.4 U	3.5 U	3.4 U	3.5 U	3.5 U
Dichloropropane, 1,2-	78-87-5	3.4 U	3.4 U	4 U	4.1 U	4 U	4.1 U	4.1 U
Dichloropropene, cis-1,3	10061-01-5	3.4 U	3.4 U	3.9 U	4 U	3.9 U	4 U	4 U
Dichloropropene, trans-1,3	10061-02-6	3.4 U	3.4 U	3.9 U	4 U	3.9 U	4 U	4 U
Dioxane, 1,4-	123-91-1	10.8 U	10.8 U	12.3 U	12.6 U	12.3 U	12.6 U	12.6 U
Ethanol	64-17-5	**7.7**	5.7 U	6.4 U	**6.8**	6.4 U	6.6 U	6.6 U
Ethyltoluene, p-	622-96-8	3.6 U	3.6 U	4.2 U	4.3 U	4.2 U	4.3 U	4.3 U
Heptane, n-	142-82-5	3 U	3 U	3.5 U	3.6 U	3.5 U	3.6 U	3.6 U
Hexachlorobutadiene	87-68-3	32 U	32 U	36.3 U	37.3 U	36.3 U	37.3 U	37.3 U
Hexane, n-	110-54-3	2.6 U	2.6 U	3 U	3.1 U	3 U	3.1 U	3.1 U
Hexanone, 2-	591-78-6	12.3 U	12.3 U	13.9 U	14.3 U	13.9 U	14.3 U	14.3 U
Isopropyl benzene	98-82-8	3.6 U	3.6 U	4.2 U	4.3 U	4.2 U	4.3 U	4.3 U
Methyl tert-butyl ether	1634-04-4	2.7 U	2.7 U	3.1 U	3.2 U	3.1 U	3.2 U	3.2 U
Methyl-2-pentanone, 4-	108-10-1	3 U	3 U	3.5 U	3.6 U	3.5 U	3.6 U	3.6 U
Methylene chloride	75-09-2	**3.2**	2.6 U	3 U	3.1 U	3 U	3.1 U	3.1 U
Naphthalene	91-20-3	15.7 U	15.7 U	17.8 U	18.3 U	17.8 U	18.3 U	18.3 U
Propanol, 2-	67-63-0	7.4 U	7.4 U	8.4 U	8.6 U	8.4 U	8.6 U	8.6 U
Propylbenzene, n-	103-65-1	3.6 U	3.6 U	4.2 U	4.3 U	4.2 U	4.3 U	4.3 U
Styrene	100-42-5	3.2 U	3.2 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U
Tetrachloroethane,1,1,2,2-	79-34-5	5.1 U	5.1 U	5.9 U	6 U	5.9 U	6 U	6 U
Tetrachloroethene	127-18-4	5 U	5 U	5.8 U	6 U	5.8 U	6 U	6 U
Tetrahydrofuran	109-99-9	2.2 U	2.2 U	2.5 U	2.6 U	2.5 U	2.6 U	2.6 U
Trans-1,2-dichloroethene	156-60-5	2.9 U	2.9 U	3.4 U	3.5 U	3.4 U	3.5 U	3.5 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1	5.7 U	5.7 U	6.6 U	6.7 U	6.6 U	6.7 U	6.7 U
Trichlorobenzene, 1,2,4-	120-82-1	22.3 U	22.3 U	25.2 U	26 U	25.2 U	26 U	26 U
Trichloroethane, 1,1,1-	71-55-6	4 U	4 U	4.7 U	4.8 U	4.7 U	4.8 U	4.8 U
Trichloroethane, 1,1,2-	79-00-5	4 U	4 U	4.7 U	4.8 U	4.7 U	4.8 U	4.8 U
Trichloroethene	79-01-6	4 U	4 U	4.6 U	4.7 U	4.6 U	4.7 U	4.7 U
Trichlorofluoromethane	75-69-4	4.2 U	4.2 U	4.8 U	4.9 U	4.8 U	4.9 U	4.9 U
Trimethylbenzene, 1,2,4-	95-63-6	3.6 U	3.6 U	4.2 U	4.3 U	4.2 U	4.3 U	4.3 U
Trimethylbenzene, 1,3,5-	108-67-8	3.6 U	3.6 U	4.2 U	4.3 U	4.2 U	4.3 U	4.3 U
Trimethylpentane, 2,2,4-	540-84-1	3.5 U	3.5 U	4 U	4.1 U	4 U	4.1 U	4.1 U
Vinyl chloride	75-01-4	1.9 U	1.9 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U

Table 1
Time-Weighted Average VOC Data Results
Community Air Monitoring Completion Report
Bay Shore/Brightwaters Former MGP Site
(February 2007 - August 2008)
February 2009

Sample Name: / Sample Date:	CAS number	UW AMS 1 5/14/2008	DW AMS 3 5/14/2008	DW-AMS-3 (Trip Blank) 5/14/2008	UW AMS 5 5/21/2008	DW AMS 3 5/21/2008	UW AMS 3 5/28/2008
BTEX (ug/m^3)							
Benzene	71-43-2	2.7 U	2.1 U	2.5 U	2.7 U	2.7 U	2.8 U
Toluene	108-88-3	**3.7**	**5.3**	2.9 U	3.2 U	3.2 U	3.3 U
Ethylbenzene	100-41-4	3.6 U	2.8 U	3.4 U	3.6 U	3.6 U	3.8 U
Xylene, m,p-	108383/106423	3.6 U	**3**	3.4 U	3.6 U	3.6 U	3.8 U
Xylene, o-	95-47-6	3.6 U	2.8 U	3.4 U	3.6 U	3.6 U	3.8 U
Other VOCs (ug/m^3)							
Acetone	67-64-1	8.1 U	6.2 U	**9.5**	**19.2**	**17.3**	8.3 U
Allyl chloride	107-05-1	10.6 U	8.1 U	9.7 U	10.6 U	10.6 U	11 U
Benzyl chloride	100-44-7	4.3 U	3.4 U	4 U	4.3 U	4.3 U	4.6 U
Bromodichloromethane	75-27-4	5.6 U	4.4 U	5.2 U	5.6 U	5.6 U	5.9 U
Bromoform	75-25-2	8.7 U	6.7 U	8.1 U	8.7 U	8.7 U	9.1 U
Bromomethane	74-83-9	3.3 U	2.5 U	3 U	3.3 U	3.3 U	3.4 U
Butadiene, 1,3-	106-99-0	1.9 U	1.4 U	1.7 U	1.9 U	1.9 U	1.9 U
Butanone, 2-	78-93-3	2.5 U	1.9 U	2.3 U	**2.4 J**	**2.9**	2.6 U
Carbon disulfide	75-15-0	2.6 U	2 U	2.4 U	2.6 U	2.6 U	2.7 U
Carbon tetrachloride	56-23-5	5.3 U	4.1 U	4.9 U	5.3 U	5.3 U	5.5 U
Chlorobenzene	108-90-7	3.9 U	3 U	3.6 U	3.9 U	3.9 U	4.1 U
Chloroethane	75-00-3	2.2 U	1.7 U	2.1 U	2.2 U	2.2 U	2.3 U
Chloroform	67-66-3	4.1 U	3.2 U	3.8 U	4.1 U	4.1 U	4.3 U
Chloromethane	74-87-3	7 U	5.4 U	6.4 U	7 U	7 U	7.2 U
Cryofluorane	76-14-2	5.9 U	4.5 U	5.5 U	5.9 U	5.9 U	6.2 U
Cyclohexane	110-82-7	2.9 U	2.2 U	2.7 U	2.9 U	2.9 U	3 U
Dibromochloromethane	124-48-1	7.2 U	5.5 U	6.6 U	7.2 U	7.2 U	7.5 U
Dibromoethane, 1,2-	106-93-4	6.5 U	5 U	6 U	6.5 U	6.5 U	6.8 U
Dichlorobenzene, 1,2-	95-50-1	5.1 U	3.9 U	4.7 U	5.1 U	5.1 U	5.3 U
Dichlorobenzene, 1,3-	541-73-1	5.1 U	3.9 U	4.7 U	5.1 U	5.1 U	5.3 U
Dichlorobenzene, 1,4-	106-46-7	5.1 U	3.9 U	4.7 U	5.1 U	5.1 U	5.3 U
Dichlorodifluoromethane	75-71-8	4.2 U	3.2 U	**4.4**	4.2 U	**4.8**	4.4 U
Dichloroethane, 1,1-	75-34-3	3.4 U	2.6 U	3.2 U	3.4 U	3.4 U	3.6 U
Dichloroethane, 1,2-	107-06-2	3.4 U	2.6 U	3.2 U	3.4 U	3.4 U	3.6 U
Dichloroethene, cis-1,2-	156-59-2	3.3 U	2.6 U	3.1 U	3.3 U	3.3 U	3.5 U
Dichloroethene, 1,1-	75-35-4	3.3 U	2.6 U	3.1 U	3.3 U	3.3 U	3.5 U
Dichloropropane, 1,2-	78-87-5	3.9 U	3 U	3.6 U	3.9 U	3.9 U	4.1 U
Dichloropropene, cis-1,3	10061-01-5	3.8 U	3 U	3.5 U	3.8 U	3.8 U	4 U
Dichloropropene, trans-1,3	10061-02-6	3.8 U	3 U	3.5 U	3.8 U	3.8 U	4 U
Dioxane, 1,4-	123-91-1	12.3 U	9.4 U	11.2 U	12.3 U	12.3 U	12.6 U
Ethanol	64-17-5	6.4 U	**6.8**	5.8 U	6.4 U	6.4 U	6.6 U
Ethyltoluene, p-	622-96-8	4.1 U	3.2 U	3.8 U	4.1 U	4.1 U	4.3 U
Heptane, n-	142-82-5	3.4 U	2.7 U	3.2 U	3.4 U	3.4 U	3.6 U
Hexachlorobutadiene	87-68-3	36.3 U	27.7 U	33.1 U	36.3 U	36.3 U	37.3 U
Hexane, n-	110-54-3	3 U	2.3 U	**4.9**	3 U	3 U	3.1 U
Hexanone, 2-	591-78-6	13.9 U	10.7 U	12.7 U	13.9 U	13.9 U	14.3 U
Isopropyl benzene	98-82-8	4.1 U	3.2 U	3.8 U	4.1 U	4.1 U	4.3 U
Methyl tert-butyl ether	1634-04-4	3 U	2.3 U	2.8 U	3 U	3 U	3.2 U
Methyl-2-pentanone, 4-	108-10-1	3.4 U	2.7 U	3.2 U	3.4 U	3.4 U	3.6 U
Methylene chloride	75-09-2	2.9 U	2.3 U	**2.7**	2.9 U	2.9 U	3.1 U
Naphthalene	91-20-3	17.8 U	13.6 U	16.3 U	17.8 U	17.8 U	18.3 U
Propanol, 2-	67-63-0	8.4 U	6.4 U	7.6 U	8.4 U	8.4 U	8.6 U
Propylbenzene, n-	103-65-1	4.1 U	3.2 U	3.8 U	4.1 U	4.1 U	4.3 U
Styrene	100-42-5	3.6 U	2.8 U	3.3 U	3.6 U	3.6 U	3.7 U
Tetrachloroethane,1,1,2,2-	79-34-5	5.8 U	4.5 U	5.4 U	5.8 U	5.8 U	6 U
Tetrachloroethene	127-18-4	5.7 U	4.4 U	5.3 U	5.7 U	5.7 U	6 U
Tetrahydrofuran	109-99-9	2.5 UJ	1.9 UJ	2.3 UJ	2.5 U	2.5 U	2.6 U
Trans-1,2-dichloroethene	156-60-5	3.3 U	2.6 U	3.1 U	3.3 U	3.3 U	3.5 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1	6.4 U	5 U	6 U	6.4 U	6.4 U	6.7 U
Trichlorobenzene, 1,2,4-	120-82-1	25.2 U	19.3 U	23 U	25.2 U	25.2 U	26 U
Trichloroethane, 1,1,1-	71-55-6	4.6 U	3.5 U	4.3 U	4.6 U	4.6 U	4.8 U
Trichloroethane, 1,1,2-	79-00-5	4.6 U	3.5 U	4.3 U	4.6 U	4.6 U	4.8 U
Trichloroethene	79-01-6	4.5 U	3.5 U	4.2 U	4.5 U	4.5 U	4.7 U
Trichlorofluoromethane	75-69-4	4.7 U	3.7 U	4.4 U	4.7 U	4.7 U	4.9 U
Trimethylbenzene, 1,2,4-	95-63-6	4.1 U	3.2 U	3.8 U	4.1 U	4.1 U	4.3 U
Trimethylbenzene, 1,3,5-	108-67-8	4.1 U	3.2 U	3.8 U	4.1 U	4.1 U	4.3 U
Trimethylpentane, 2,2,4-	540-84-1	3.9 UJ	3 UJ	3.6 UJ	3.9 U	3.9 U	4.1 U
Vinyl chloride	75-01-4	2.1 U	1.7 U	2 U	2.1 U	2.1 U	2.2 U

Table 1
Time-Weighted Average VOC Data Results
Community Air Monitoring Completion Report
Bay Shore/Brightwaters Former MGP Site
(February 2007 - August 2008)
February 2009

Sample Name: / Sample Date:	CAS number	DW AMS 5 5/28/2008	UW AMS 5 6/4/2008	DW AMS 3 6/4/2008	UW AMS 3 6/11/2008	DW AMS 5 6/11/2008	UW AMS 5 6/18/2008	DW AMS 3 6/18/2008
BTEX (ug/m^3)								
Benzene	71-43-2	2.8 U	2.8 U	7 U	3.1 U	3 U	2.9 U	2.9 U
Toluene	108-88-3	3.3 U	3.3 U	8.3 U	3.6 U	3.5 U	3.5 U	3.5 U
Ethylbenzene	100-41-4	3.8 U	3.8 U	9.6 U	4.2 U	4.1 U	4 U	4 U
Xylene, m,p-	108383/106423	3.8 U	3.8 U	9.6 U	4.2 U	4.1 U	4 U	4 U
Xylene, o-	95-47-6	3.8 U	3.8 U	9.6 U	4.2 U	4.1 U	4 U	4 U
Other VOCs (ug/m^3)								
Acetone	67-64-1	8.3 U	**71.3**	**154.4**	**21.6**	**92.6**	8.8 U	**18.8**
Allyl chloride	107-05-1	11 U	11 U	27.9 U	11.9 U	11.6 U	11.6 U	11.6 U
Benzyl chloride	100-44-7	4.6 U	4.6 U	11.4 U	5 UJ	4.9 UJ	4.8 U	4.8 U
Bromodichloromethane	75-27-4	5.9 U	5.9 U	14.7 U	6.4 U	6.3 U	6.2 U	6.2 U
Bromoform	75-25-2	9.1 U	9.1 U	22.7 U	9.9 U	9.7 U	9.5 U	9.5 U
Bromomethane	74-83-9	3.4 U	3.4 U	8.5 U	3.7 U	3.6 U	3.6 U	3.6 U
Butadiene, 1,3-	106-99-0	1.9 U	1.9 U	4.9 U	2.1 U	2.1 U	2 U	2 U
Butanone, 2-	78-93-3	2.6 U	**3.2**	**18.3**	2.8 U	**6.5**	2.7 U	**2.9**
Carbon disulfide	75-15-0	2.7 U	2.7 U	**118.3**	3 U	2.9 U	2.9 U	2.9 U
Carbon tetrachloride	56-23-5	5.5 U	5.5 U	13.8 U	6 U	5.9 U	5.8 U	5.8 U
Chlorobenzene	108-90-7	4.1 U	4.1 U	10.1 U	4.4 U	4.3 U	4.2 U	4.2 U
Chloroethane	75-00-3	2.3 U	2.3 U	5.8 U	2.5 U	2.5 U	2.4 U	2.4 U
Chloroform	67-66-3	4.3 U	4.3 U	10.7 U	4.7 U	4.6 U	4.5 U	4.5 U
Chloromethane	74-87-3	7.2 U	7.2 U	18.4 U	7.8 U	7.6 U	7.6 U	7.6 U
Cryofluorane	76-14-2	6.2 U	6.2 U	15.4 U	6.7 U	6.6 U	6.4 U	6.4 U
Cyclohexane	110-82-7	3 U	3 U	7.6 U	3.3 U	3.2 U	3.2 U	3.2 U
Dibromochloromethane	124-48-1	7.5 U	7.5 U	18.7 U	8.2 U	8 U	7.8 U	7.8 U
Dibromoethane, 1,2-	106-93-4	6.8 U	6.8 U	16.9 U	7.4 U	7.2 U	7.1 U	7.1 U
Dichlorobenzene, 1,2-	95-50-1	5.3 U	5.3 U	13.2 U	5.8 UJ	5.7 UJ	5.5 U	5.5 U
Dichlorobenzene, 1,3-	541-73-1	5.3 U	5.3 U	13.2 U	5.8 U	5.7 U	5.5 U	5.5 U
Dichlorobenzene, 1,4-	106-46-7	5.3 U	5.3 U	13.2 U	5.8 U	5.7 U	5.5 U	5.5 U
Dichlorodifluoromethane	75-71-8	4.4 U	4.4 U	10.9 U	4.7 U	4.6 U	4.5 U	4.5 U
Dichloroethane, 1,1-	75-34-3	3.6 U	3.6 U	8.9 U	3.9 U	3.8 U	3.7 U	3.7 U
Dichloroethane, 1,2-	107-06-2	3.6 U	3.6 U	8.9 U	3.9 U	3.8 U	3.7 U	3.7 U
Dichloroethene, cis-1,2-	156-59-2	3.5 U	3.5 U	8.7 U	3.8 U	3.7 U	3.6 U	3.6 U
Dichloroethene, 1,1-	75-35-4	3.5 U	3.5 U	8.7 U	3.8 U	3.7 U	3.6 U	3.6 U
Dichloropropane, 1,2-	78-87-5	4.1 U	4.1 U	10.2 U	4.4 U	4.3 U	4.3 U	4.3 U
Dichloropropene, cis-1,3	10061-01-5	4 U	4 U	10 U	4.4 U	4.3 U	4.2 U	4.2 U
Dichloropropene, trans-1,3	10061-02-6	4 U	4 U	10 U	4.4 U	4.3 U	4.2 U	4.2 U
Dioxane, 1,4-	123-91-1	12.6 U	12.6 U	32.1 U	13.7 U	13.3 U	13.3 U	13.3 U
Ethanol	64-17-5	6.6 U	6.6 U	16.8 U	**7.2**	**15.5**	**9.2**	**11.7**
Ethyltoluene, p-	622-96-8	4.3 U	4.3 U	10.8 U	4.7 U	4.6 U	4.5 U	4.5 U
Heptane, n-	142-82-5	3.6 U	3.6 U	9 U	3.9 U	3.9 U	3.8 U	3.8 U
Hexachlorobutadiene	87-68-3	37.3 U	37.3 U	94.9 U	40.5 U	39.5 U	39.5 U	39.5 U
Hexane, n-	110-54-3	3.1 U	3.1 U	7.8 U	3.4 U	3.3 U	3.2 U	3.2 U
Hexanone, 2-	591-78-6	14.3 U	14.3 U	36.5 U	15.6 U	15.2 U	15.2 U	15.2 U
Isopropyl benzene	98-82-8	4.3 U	4.3 U	10.8 U	4.7 U	4.6 U	4.5 U	4.5 U
Methyl tert-butyl ether	1634-04-4	3.2 U	3.2 U	**23.8**	3.5 U	3.4 U	3.3 U	3.3 U
Methyl-2-pentanone, 4-	108-10-1	3.6 U	3.6 U	9 U	3.9 U	3.9 U	3.8 U	3.8 U
Methylene chloride	75-09-2	3.1 U	3.1 U	7.6 U	3.3 U	3.3 U	3.2 U	3.2 U
Naphthalene	91-20-3	18.3 U	18.3 U	46.7 U	19.9 U	19.4 U	19.4 U	19.4 U
Propanol, 2-	67-63-0	8.6 U	8.6 U	21.9 U	9.3 U	9.1 U	9.1 U	9.1 U
Propylbenzene, n-	103-65-1	4.3 U	4.3 U	10.8 U	4.7 U	4.6 U	4.5 U	4.5 U
Styrene	100-42-5	3.7 U	3.7 U	9.4 U	4.1 U	4 U	3.9 U	3.9 U
Tetrachloroethane,1,1,2,2-	79-34-5	6 U	6 U	15.1 U	6.6 U	6.5 U	6.3 U	6.3 U
Tetrachloroethene	127-18-4	6 U	6 U	14.9 U	6.5 U	6.4 U	6.2 U	6.2 U
Tetrahydrofuran	109-99-9	2.6 U	2.6 U	6.5 U	2.8 U	2.8 U	2.7 U	2.7 U
Trans-1,2-dichloroethene	156-60-5	3.5 U	3.5 U	8.7 U	3.8 U	3.7 U	3.6 U	3.6 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1	6.7 U	6.7 U	16.9 U	7.4 U	7.2 U	7.1 U	7.1 U
Trichlorobenzene, 1,2,4-	120-82-1	26 U	26 U	66 U	28.2 U	27.5 U	27.5 U	27.5 U
Trichloroethane, 1,1,1-	71-55-6	4.8 U	4.8 U	12 U	5.2 U	5.1 U	5 U	5 U
Trichloroethane, 1,1,2-	79-00-5	4.8 U	4.8 U	12 U	5.2 U	5.1 U	5 U	5 U
Trichloroethene	79-01-6	4.7 U	4.7 U	11.8 U	5.2 U	5.1 U	4.9 U	4.9 U
Trichlorofluoromethane	75-69-4	4.9 U	4.9 U	12.4 U	5.4 U	5.3 U	5.2 U	5.2 U
Trimethylbenzene, 1,2,4-	95-63-6	4.3 U	4.3 U	10.8 U	4.7 U	4.6 U	4.5 U	4.5 U
Trimethylbenzene, 1,3,5-	108-67-8	4.3 U	4.3 U	10.8 U	4.7 U	4.6 U	4.5 U	4.5 U
Trimethylpentane, 2,2,4-	540-84-1	4.1 U	4.1 U	10.3 U	4.5 U	4.4 U	4.3 U	4.3 U
Vinyl chloride	75-01-4	2.2 U	2.2 U	5.6 U	2.5 U	2.4 U	2.4 U	2.4 U

Table 1
Time-Weighted Average VOC Data Results
Community Air Monitoring Completion Report
Bay Shore/Brightwaters Former MGP Site
(February 2007 - August 2008)
February 2009

Sample Name: / Sample Date:	CAS number	AMS 6 UW 6/25/2008	AMS 1 DW 6/25/2008	UW AMS 5 7/2/2008	DW AMS 3 7/2/2008	UW AMS 5 7/9/2008	DW AMS 3 7/9/2008	Duplicate of DW AMS 3 7/9/2008
BTEX (ug/m^3)								
Benzene	71-43-2	3 U	2.9 U	3 U	2.9 U	3 U	2.6 U	2.9 U
Toluene	108-88-3	3.5 U	3.4 U	3.5 U	**3.6**	3.5 U	**3.6**	3.5 U
Ethylbenzene	100-41-4	4.1 U	3.9 U	4.1 U	3.9 U	4.1 U	3.5 U	4 U
Xylene, m,p-	108383/106423	4.1 U	3.9 U	4.1 U	3.9 U	4.1 U	**3.7**	4 U
Xylene, o-	95-47-6	4.1 U	3.9 U	4.1 U	3.9 U	4.1 U	3.5 U	4 U
Other VOCs (ug/m^3)								
Acetone	67-64-1	**16.9**	**20.4**	**33.3**	**11.2**	**21.1**	7.6 U	**21.9**
Allyl chloride	107-05-1	11.6 U	11.3 U	11.6 U	11.3 U	11.6 U	10 U	11.6 U
Benzyl chloride	100-44-7	4.9 U	4.7 U	4.9 U	4.7 U	4.9 U	4.1 U	4.8 U
Bromodichloromethane	75-27-4	6.3 U	6 U	6.3 U	6 U	6.3 U	5.4 U	6.2 U
Bromoform	75-25-2	9.7 U	9.3 U	9.7 U	9.3 U	9.7 U	8.3 U	9.5 U
Bromomethane	74-83-9	3.6 U	3.5 U	3.6 U	3.5 U	3.6 U	3.1 U	3.6 U
Butadiene, 1,3-	106-99-0	2.1 U	2 U	2.1 U	2 U	2.1 U	1.8 U	2 U
Butanone, 2-	78-93-3	2.8 U	**2.9**	**6.5**	2.7 U	**3.8**	2.4 U	**4.7**
Carbon disulfide	75-15-0	2.9 U	2.8 U	2.9 U	2.8 U	2.9 U	2.5 U	2.9 U
Carbon tetrachloride	56-23-5	5.9 U	5.7 U	5.9 U	5.7 U	5.9 U	5 U	5.8 U
Chlorobenzene	108-90-7	4.3 U	4.1 U	4.3 U	4.1 U	4.3 U	3.7 U	4.2 U
Chloroethane	75-00-3	2.5 U	2.4 U	2.5 U	2.4 U	2.5 U	2.1 U	2.4 U
Chloroform	67-66-3	4.6 U	4.4 U	4.6 U	**20**	4.6 U	3.9 U	4.5 U
Chloromethane	74-87-3	7.6 U	7.4 U	7.6 U	7.4 U	7.6 U	6.6 U	7.6 U
Cryofluorane	76-14-2	6.6 U	6.3 U	6.6 U	6.3 U	6.6 U	5.6 U	6.4 U
Cyclohexane	110-82-7	3.2 U	3.1 U	3.2 U	3.1 U	3.2 U	2.8 U	3.2 U
Dibromochloromethane	124-48-1	8 U	7.7 U	8 U	7.7 U	8 U	6.8 U	7.8 U
Dibromoethane, 1,2-	106-93-4	7.2 U	6.9 U	7.2 U	6.9 U	7.2 U	6.1 U	7.1 U
Dichlorobenzene, 1,2-	95-50-1	5.7 U	5.4 U	5.7 U	5.4 U	5.7 U	4.8 U	5.5 U
Dichlorobenzene, 1,3-	541-73-1	5.7 U	5.4 U	5.7 U	5.4 U	5.7 U	4.8 U	5.5 U
Dichlorobenzene, 1,4-	106-46-7	5.7 U	5.4 U	5.7 U	5.4 U	5.7 U	4.8 U	5.5 U
Dichlorodifluoromethane	75-71-8	4.6 U	4.5 U	4.6 U	4.5 U	4.6 U	4 U	4.5 U
Dichloroethane, 1,1-	75-34-3	3.8 U	3.6 U	3.8 U	3.6 U	3.8 U	3.2 U	3.7 U
Dichloroethane, 1,2-	107-06-2	3.8 U	3.6 U	3.8 U	**21.9**	3.8 U	3.2 U	3.7 U
Dichloroethene, cis-1,2-	156-59-2	3.7 U	3.6 U	3.7 U	**4.8**	3.7 U	3.2 U	3.6 U
Dichloroethene, 1,1-	75-35-4	3.7 U	3.6 U	3.7 U	3.6 U	3.7 U	3.2 U	3.6 U
Dichloropropane, 1,2-	78-87-5	4.3 U	4.2 U	4.3 U	4.2 U	4.3 U	3.7 U	4.3 U
Dichloropropene, cis-1,3	10061-01-5	4.3 U	4.1 U	4.3 U	4.1 U	4.3 U	3.6 U	4.2 U
Dichloropropene, trans-1,3	10061-02-6	4.3 U	4.1 U	4.3 U	4.1 U	4.3 U	3.6 U	4.2 U
Dioxane, 1,4-	123-91-1	13.3 U	13 U	13.3 U	13 U	13.3 U	11.5 U	13.3 U
Ethanol	64-17-5	**8.3**	**9.8**	7 U	**7.3**	7 U	6 U	7 U
Ethyltoluene, p-	622-96-8	4.6 U	4.4 U	4.6 U	4.4 U	4.6 U	3.9 U	4.5 U
Heptane, n-	142-82-5	3.9 U	3.7 U	3.9 U	3.7 U	3.9 U	3.3 U	3.8 U
Hexachlorobutadiene	87-68-3	39.5 U	38.4 U	39.5 U	38.4 U	39.5 U	34.1 U	39.5 U
Hexane, n-	110-54-3	3.3 U	3.2 U	3.3 U	3.2 U	3.3 U	2.8 U	3.2 U
Hexanone, 2-	591-78-6	15.2 U	14.7 U	15.2 U	14.7 U	15.2 U	13.1 U	15.2 U
Isopropyl benzene	98-82-8	4.6 U	4.4 U	4.6 U	4.4 U	4.6 U	3.9 U	4.5 U
Methyl tert-butyl ether	1634-04-4	3.4 U	3.2 U	3.4 U	3.2 U	3.4 U	2.9 U	3.3 U
Methyl-2-pentanone, 4-	108-10-1	3.9 U	3.7 U	3.9 U	3.7 U	3.9 U	3.3 U	3.8 U
Methylene chloride	75-09-2	3.3 U	3.1 U	3.3 U	3.1 U	3.3 U	2.8 U	3.2 U
Naphthalene	91-20-3	19.4 U	18.9 U	19.4 U	18.9 U	19.4 U	16.8 U	19.4 U
Propanol, 2-	67-63-0	9.1 U	8.8 U	9.1 U	8.8 U	9.1 U	7.9 U	9.1 U
Propylbenzene, n-	103-65-1	4.6 U	4.4 U	4.6 U	4.4 U	4.6 U	3.9 U	4.5 U
Styrene	100-42-5	4 U	3.8 U	4 U	3.8 U	4 U	3.4 U	3.9 U
Tetrachloroethane,1,1,2,2-	79-34-5	6.5 U	6.2 U	6.5 U	6.2 U	6.5 U	5.5 U	6.3 U
Tetrachloroethene	127-18-4	6.4 U	6.1 U	6.4 U	6.1 U	6.4 U	5.4 U	6.2 U
Tetrahydrofuran	109-99-9	2.8 U	2.7 U	2.8 U	2.7 U	2.8 U	2.4 U	2.7 U
Trans-1,2-dichloroethene	156-60-5	3.7 U	3.6 U	3.7 U	**14.3**	3.7 U	3.2 U	3.6 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1	7.2 U	6.9 U	7.2 U	6.9 U	7.2 U	6.1 U	7.1 U
Trichlorobenzene, 1,2,4-	120-82-1	27.5 U	26.7 U	27.5 U	26.7 U	27.5 U	23.7 U	27.5 U
Trichloroethane, 1,1,1-	71-55-6	5.1 U	4.9 U	5.1 U	4.9 U	5.1 U	4.4 U	5 U
Trichloroethane, 1,1,2-	79-00-5	5.1 U	4.9 U	5.1 U	4.9 U	5.1 U	4.4 U	5 U
Trichloroethene	79-01-6	5.1 U	4.8 U	5.1 U	4.8 U	5.1 U	4.3 U	4.9 U
Trichlorofluoromethane	75-69-4	5.3 U	5.1 U	5.3 U	5.1 U	5.3 U	4.5 U	5.2 U
Trimethylbenzene, 1,2,4-	95-63-6	4.6 U	4.4 U	4.6 U	4.4 U	4.6 U	3.9 U	4.5 U
Trimethylbenzene, 1,3,5-	108-67-8	4.6 U	4.4 U	4.6 U	4.4 U	4.6 U	3.9 U	4.5 U
Trimethylpentane, 2,2,4-	540-84-1	4.4 U	4.2 U	4.4 U	4.2 U	4.4 U	3.7 U	4.3 U
Vinyl chloride	75-01-4	2.4 U	2.3 U	2.4 U	2.3 U	2.4 U	2 U	2.4 U

Table 1
Time-Weighted Average VOC Data Results
Community Air Monitoring Completion Report
Bay Shore/Brightwaters Former MGP Site
(February 2007 - August 2008)
February 2009

Sample Name: / Sample Date:	CAS number	Trip Blank 7/9/2008	UW AMS 4 7/16/2008	DW AMS 3 7/16/2008	AMS 4 DW 7/23/2008	AMS 3 DW 7/23/2008	AMS 5 DW 7/30/2008	AMS 1 UW 7/30/2008
BTEX (ug/m^3)								
Benzene	71-43-2	1.6 U	3.2 U	3.1 U	2.9 U	2.9 U	3.1 U	3.2 U
Toluene	108-88-3	1.9 U	**4.1**	**4.5**	3.4 U	3.5 U	3.7 U	3.8 U
Ethylbenzene	100-41-4	2.2 U	4.3 U	4.3 U	3.9 U	4 U	4.3 U	4.3 U
Xylene, m,p-	108383/106423	2.2 U	4.3 U	4.3 U	3.9 U	4 U	4.3 U	4.3 U
Xylene, o-	95-47-6	2.2 U	4.3 U	4.3 U	3.9 U	4 U	4.3 U	4.3 U
Other VOCs (ug/m^3)								
Acetone	67-64-1	4.8 U	**18.1**	**13.8**	**19**	**11.4**	**35.6**	**78.4**
Allyl chloride	107-05-1	6.3 U	12.5 U	12.2 U	11.3 U	11.6 U	12.2 U	12.5 U
Benzyl chloride	100-44-7	2.6 U	5.2 U	5.1 U	4.7 U	4.8 U	5.1 UJ	5.2 UJ
Bromodichloromethane	75-27-4	3.4 U	6.7 U	6.6 U	6 U	6.2 U	6.6 U	6.7 U
Bromoform	75-25-2	5.2 U	10.3 U	10.1 U	9.3 U	9.5 U	10.1 U	10.3 U
Bromomethane	74-83-9	1.9 U	3.9 U	3.8 U	3.5 U	3.6 U	3.8 U	3.9 U
Butadiene, 1,3-	106-99-0	1.1 U	2.2 U	2.2 U	2 U	2 U	2.2 U	2.2 U
Butanone, 2-	78-93-3	1.5 U	**2.9**	2.9 U	**7.1**	2.7 U	**3.2**	**15.9**
Carbon disulfide	75-15-0	1.6 U	3.1 U	3.1 U	**25.5**	2.9 U	3.1 U	3.1 U
Carbon tetrachloride	56-23-5	3.1 U	6.3 U	6.2 U	5.7 U	5.8 U	6.2 U	6.3 U
Chlorobenzene	108-90-7	2.3 U	4.6 U	4.5 U	4.1 U	4.2 U	4.5 U	4.6 U
Chloroethane	75-00-3	1.3 U	2.6 U	2.6 U	2.4 U	2.4 U	2.6 U	2.6 U
Chloroform	67-66-3	2.4 U	4.9 U	4.8 U	4.4 U	4.5 U	4.8 U	4.9 U
Chloromethane	74-87-3	4.1 U	8.3 U	8.1 U	7.4 U	7.6 U	8.1 U	8.3 U
Cryofluorane	76-14-2	3.5 U	7 U	6.9 U	6.3 U	6.4 U	6.9 U	7 U
Cyclohexane	110-82-7	1.7 U	3.4 U	3.4 U	3.1 U	3.2 U	3.4 U	3.4 U
Dibromochloromethane	124-48-1	4.3 U	8.5 U	8.3 U	7.7 U	7.8 U	8.3 U	8.5 U
Dibromoethane, 1,2-	106-93-4	3.8 U	7.7 U	7.5 U	6.9 U	7.1 U	7.5 U	7.7 U
Dichlorobenzene, 1,2-	95-50-1	3 U	6 U	5.9 U	5.4 U	5.5 U	5.9 U	6 U
Dichlorobenzene, 1,3-	541-73-1	3 U	6 U	5.9 U	5.4 U	5.5 U	5.9 U	6 U
Dichlorobenzene, 1,4-	106-46-7	3 U	6 U	5.9 U	5.4 U	5.5 U	5.9 U	6 U
Dichlorodifluoromethane	75-71-8	2.5 U	4.9 U	4.8 U	4.5 U	4.5 U	4.8 U	4.9 U
Dichloroethane, 1,1-	75-34-3	2 U	4 U	4 U	3.6 U	3.7 U	4 U	4 U
Dichloroethane, 1,2-	107-06-2	2 U	4 U	4 U	3.6 U	3.7 U	4 U	4 U
Dichloroethene, cis-1,2-	156-59-2	2 U	4 U	3.9 U	3.6 U	3.6 U	3.9 U	4 U
Dichloroethene, 1,1-	75-35-4	2 U	4 U	3.9 U	3.6 U	3.6 U	3.9 U	4 U
Dichloropropane, 1,2-	78-87-5	2.3 U	4.6 U	4.5 U	4.2 U	4.3 U	4.5 U	4.6 U
Dichloropropene, cis-1,3	10061-01-5	2.3 U	4.5 U	4.4 U	4.1 U	4.2 U	4.4 U	4.5 U
Dichloropropene, trans-1,3	10061-02-6	2.3 U	4.5 U	4.4 U	4.1 U	4.2 U	4.4 U	4.5 U
Dioxane, 1,4-	123-91-1	7.2 U	14.4 U	14.1 U	13 U	13.3 U	14.1 U	14.4 U
Ethanol	64-17-5	3.8 U	7.5 U	7.3 U	**7.7**	**6.4 J**	**12.6**	**11.9**
Ethyltoluene, p-	622-96-8	2.5 U	4.9 U	4.8 U	4.4 U	4.5 U	4.8 U	4.9 U
Heptane, n-	142-82-5	2 U	4.1 U	4 U	3.7 U	3.8 U	4 U	4.1 U
Hexachlorobutadiene	87-68-3	21.3 U	42.7 U	41.6 U	38.4 U	39.5 U	41.6 U	42.7 U
Hexane, n-	110-54-3	1.8 U	3.5 U	3.5 U	3.2 U	3.2 U	3.5 U	3.5 U
Hexanone, 2-	591-78-6	8.2 U	16.4 U	16 U	14.7 U	15.2 U	16 U	16.4 U
Isopropyl benzene	98-82-8	2.5 U	4.9 U	4.8 U	4.4 U	4.5 U	4.8 U	4.9 U
Methyl tert-butyl ether	1634-04-4	1.8 U	3.6 UJ	3.5 UJ	3.2 U	3.3 U	3.5 U	3.6 U
Methyl-2-pentanone, 4-	108-10-1	2 U	4.1 U	4 U	3.7 U	3.8 U	4 U	4.1 U
Methylene chloride	75-09-2	1.7 U	3.5 U	3.4 U	3.1 U	3.2 U	3.4 U	3.5 U
Naphthalene	91-20-3	10.5 U	21 U	20.4 U	18.9 U	19.4 U	20.4 U	21 U
Propanol, 2-	67-63-0	4.9 U	9.8 U	9.6 U	8.8 U	9.1 U	9.6 U	9.8 U
Propylbenzene, n-	103-65-1	2.5 U	4.9 U	4.8 U	4.4 U	4.5 U	4.8 U	4.9 U
Styrene	100-42-5	2.1 U	4.3 U	4.2 U	3.8 U	3.9 U	4.2 U	4.3 U
Tetrachloroethane,1,1,2,2-	79-34-5	3.4 U	6.9 U	6.7 U	6.2 U	6.3 U	6.7 U	6.9 U
Tetrachloroethene	127-18-4	3.4 U	6.8 U	6.6 U	6.1 U	6.2 U	6.6 U	6.8 U
Tetrahydrofuran	109-99-9	1.5 U	2.9 U	2.9 U	2.7 U	2.7 U	2.9 U	2.9 U
Trans-1,2-dichloroethene	156-60-5	2 U	4 U	3.9 U	3.6 U	3.6 U	3.9 U	4 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1	3.8 U	7.7 U	7.5 U	6.9 U	7.1 U	7.5 U	7.7 U
Trichlorobenzene, 1,2,4-	120-82-1	14.8 U	29.7 U	28.9 U	26.7 U	27.5 U	28.9 U	29.7 U
Trichloroethane, 1,1,1-	71-55-6	2.7 U	5.5 U	5.3 U	4.9 U	5 U	5.3 U	5.5 U
Trichloroethane, 1,1,2-	79-00-5	2.7 U	5.5 U	5.3 U	4.9 U	5 U	5.3 U	5.5 U
Trichloroethene	79-01-6	2.7 U	5.4 U	5.3 U	4.8 U	4.9 U	5.3 U	5.4 U
Trichlorofluoromethane	75-69-4	2.8 U	5.6 U	5.5 U	5.1 U	5.2 U	5.5 U	5.6 U
Trimethylbenzene, 1,2,4-	95-63-6	2.5 U	4.9 U	4.8 U	4.4 U	4.5 U	4.8 U	4.9 U
Trimethylbenzene, 1,3,5-	108-67-8	2.5 U	4.9 U	4.8 U	4.4 U	4.5 U	4.8 U	4.9 U
Trimethylpentane, 2,2,4-	540-84-1	2.3 U	4.7 U	4.6 U	4.2 U	4.3 U	4.6 U	4.7 U
Vinyl chloride	75-01-4	1.3 U	2.6 U	2.5 U	2.3 U	2.4 U	2.5 U	2.6 U

Table 1
Time-Weighted Average VOC Data Results
Community Air Monitoring Completion Report
Bay Shore/Brightwaters Former MGP Site
(February 2007 - August 2008)
February 2009

Sample Name: / Sample Date:	CAS number	AMS 5 UW 8/6/2008	AMS 3 DW (9907) 8/6/2008	AMS 3 DW (25304) 8/6/2008	UW AMS6 8/13/2008	DW AMS1 8/13/2008	AMS 3 UW 8/27/2008
BTEX (ug/m^3)							
Benzene	71-43-2	3.2 U	3 U	3.1 U	2.9 U	2.9 U	3.1 U
Toluene	108-88-3	3.8 U	3.5 U	3.6 U	3.5 U	3.5 U	**3.8**
Ethylbenzene	100-41-4	4.3 U	4.1 U	4.2 U	4 U	4 U	4.3 U
Xylene, m,p-	108383/106423	4.3 U	4.1 U	4.2 U	4 U	4 U	4.3 U
Xylene, o-	95-47-6	4.3 U	4.1 U	4.2 U	4 U	4 U	4.3 U
Other VOCs (ug/m^3)							
Acetone	67-64-1	**15.7**	**12.8**	**13.1**	**30.9**	**9.7**	**21.9**
Allyl chloride	107-05-1	12.5 U	11.6 U	11.9 U	11.6 U	11.6 U	12.2 U
Benzyl chloride	100-44-7	5.2 U	4.9 U	5 U	4.8 U	4.8 U	5.1 U
Bromodichloromethane	75-27-4	6.7 U	6.3 U	6.4 U	6.2 U	6.2 U	6.6 U
Bromoform	75-25-2	10.3 U	9.7 U	9.9 U	9.5 U	9.5 U	10.1 U
Bromomethane	74-83-9	3.9 U	3.6 U	3.7 U	3.6 U	3.6 U	3.8 U
Butadiene, 1,3-	106-99-0	2.2 U	2.1 U	2.1 U	2 U	2 U	2.2 U
Butanone, 2-	78-93-3	2.9 U	2.8 U	2.8 U	**2.9 J**	2.7 U	2.9 U
Carbon disulfide	75-15-0	3.1 U	**8.7**	3 U	2.9 U	2.9 U	3.1 U
Carbon tetrachloride	56-23-5	6.3 U	5.9 U	6 U	5.8 U	5.8 U	6.2 U
Chlorobenzene	108-90-7	4.6 U	4.3 U	4.4 U	4.2 U	4.2 U	4.5 U
Chloroethane	75-00-3	2.6 U	2.5 U	2.5 U	2.4 U	2.4 U	2.6 U
Chloroform	67-66-3	4.9 U	4.6 U	4.7 U	4.5 U	4.5 U	4.8 U
Chloromethane	74-87-3	8.3 U	7.6 U	7.8 U	7.6 U	7.6 U	8.1 U
Cryofluorane	76-14-2	7 U	6.6 U	6.7 U	6.4 U	6.4 U	6.9 U
Cyclohexane	110-82-7	3.4 U	3.2 U	3.3 U	3.2 U	3.2 U	3.4 U
Dibromochloromethane	124-48-1	8.5 U	8 U	8.2 U	7.8 U	7.8 U	8.3 U
Dibromoethane, 1,2-	106-93-4	7.7 U	7.2 U	7.4 U	7.1 U	7.1 U	7.5 U
Dichlorobenzene, 1,2-	95-50-1	6 U	5.7 U	5.8 U	5.5 U	5.5 U	5.9 U
Dichlorobenzene, 1,3-	541-73-1	6 U	5.7 U	5.8 U	5.5 U	5.5 U	5.9 U
Dichlorobenzene, 1,4-	106-46-7	6 U	5.7 U	5.8 U	5.5 U	5.5 U	5.9 U
Dichlorodifluoromethane	75-71-8	4.9 U	4.6 U	4.7 U	4.5 U	4.5 U	4.8 U
Dichloroethane, 1,1-	75-34-3	4 U	3.8 U	3.9 U	3.7 U	3.7 U	4 U
Dichloroethane, 1,2-	107-06-2	4 U	3.8 U	3.9 U	3.7 U	3.7 U	4 U
Dichloroethene, cis-1,2-	156-59-2	4 U	3.7 U	3.8 U	3.6 U	3.6 U	3.9 U
Dichloroethene, 1,1-	75-35-4	4 U	3.7 U	3.8 U	3.6 U	3.6 U	3.9 U
Dichloropropane, 1,2-	78-87-5	4.6 U	4.3 U	4.4 U	4.3 U	4.3 U	4.5 U
Dichloropropene, cis-1,3	10061-01-5	4.5 U	4.3 U	4.4 U	4.2 U	4.2 U	4.4 U
Dichloropropene, trans-1,3	10061-02-6	4.5 U	4.3 U	4.4 U	4.2 U	4.2 U	4.4 U
Dioxane, 1,4-	123-91-1	14.4 U	13.3 U	13.7 U	13.3 U	13.3 U	14.1 U
Ethanol	64-17-5	7.5 U	7 U	7.2 U	7 U	7 U	7.3 U
Ethyltoluene, p-	622-96-8	4.9 U	4.6 U	4.7 U	4.5 U	4.5 U	4.8 U
Heptane, n-	142-82-5	4.1 U	3.9 U	3.9 U	3.8 U	3.8 U	4 U
Hexachlorobutadiene	87-68-3	42.7 U	39.5 U	40.5 U	39.5 U	39.5 U	41.6 U
Hexane, n-	110-54-3	3.5 U	3.3 U	3.4 U	3.2 U	3.2 U	3.5 U
Hexanone, 2-	591-78-6	16.4 U	15.2 U	15.6 U	15.2 U	15.2 U	16 U
Isopropyl benzene	98-82-8	4.9 U	4.6 U	4.7 U	4.5 U	4.5 U	4.8 U
Methyl tert-butyl ether	1634-04-4	3.6 U	3.4 U	3.5 U	3.3 U	3.3 U	3.5 UJ
Methyl-2-pentanone, 4-	108-10-1	4.1 U	3.9 U	3.9 U	3.8 U	3.8 U	4 U
Methylene chloride	75-09-2	3.5 U	3.3 U	3.3 U	3.2 U	3.2 U	3.4 U
Naphthalene	91-20-3	21 U	19.4 U	19.9 U	19.4 U	19.4 U	20.4 U
Propanol, 2-	67-63-0	9.8 U	9.1 U	9.3 U	9.1 U	9.1 U	9.6 U
Propylbenzene, n-	103-65-1	4.9 U	4.6 U	4.7 U	4.5 U	4.5 U	4.8 U
Styrene	100-42-5	4.3 U	4 U	4.1 U	3.9 U	3.9 U	4.2 U
Tetrachloroethane,1,1,2,2-	79-34-5	6.9 U	6.5 U	6.6 U	6.3 U	6.3 U	6.7 U
Tetrachloroethene	127-18-4	6.8 U	6.4 U	6.5 U	6.2 U	6.2 U	6.6 U
Tetrahydrofuran	109-99-9	2.9 U	2.8 U	2.8 U	2.7 U	2.7 U	2.9 U
Trans-1,2-dichloroethene	156-60-5	4 U	3.7 U	3.8 U	3.6 U	3.6 U	3.9 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1	7.7 U	7.2 U	7.4 U	7.1 U	7.1 U	7.5 U
Trichlorobenzene, 1,2,4-	120-82-1	29.7 U	27.5 U	28.2 U	27.5 U	27.5 U	28.9 U
Trichloroethane, 1,1,1-	71-55-6	5.5 U	5.1 U	5.2 U	5 U	5 U	5.3 U
Trichloroethane, 1,1,2-	79-00-5	5.5 U	5.1 U	5.2 U	5 U	5 U	5.3 U
Trichloroethene	79-01-6	5.4 U	5.1 U	5.2 U	4.9 U	4.9 U	5.3 U
Trichlorofluoromethane	75-69-4	5.6 U	5.3 U	5.4 U	5.2 U	5.2 U	5.5 U
Trimethylbenzene, 1,2,4-	95-63-6	4.9 U	4.6 U	4.7 U	4.5 U	4.5 U	4.8 U
Trimethylbenzene, 1,3,5-	108-67-8	4.9 U	4.6 U	4.7 U	4.5 U	4.5 U	4.8 U
Trimethylpentane, 2,2,4-	540-84-1	4.7 U	4.4 U	4.5 U	4.3 U	4.3 U	4.6 U
Vinyl chloride	75-01-4	2.6 U	2.4 U	2.5 U	2.4 U	2.4 U	2.5 U

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Bay Shore/Brightwaters Former MGP Site
(February 2007 - August 2008)
February 2009

Sample Name: / Sample Date:	CAS number	AMS 5 DW 8/27/2008	UW AMS 5 9/3/2008	DW AMS 3 9/3/2008	AMS 3 UW 9/10/2008	AMS 5 DW 9/10/2008	Duplicate of AMS 5 DW 9/10/2008
BTEX (ug/m^3)							
Benzene	71-43-2	3 U	2.9 U	2.9 U	2.8 U	2.9 U	2.9 U
Toluene	108-88-3	3.5 U	3.4 U	3.5 U	3.3 U	3.5 U	3.5 U
Ethylbenzene	100-41-4	4.1 U	3.9 U	4 U	3.8 U	4 U	4 U
Xylene, m,p-	108383/106423	4.1 U	3.9 U	4 U	3.8 U	4 U	4 U
Xylene, o-	95-47-6	4.1 U	3.9 U	4 U	3.8 U	4 U	4 U
Other VOCs (ug/m^3)							
Acetone	67-64-1	8.8 U	**40.4**	8.8 U	8.3 U	**14.7**	8.8 U
Allyl chloride	107-05-1	11.6 U	11.3 U	11.6 U	11 U	11.6 U	11.6 U
Benzyl chloride	100-44-7	4.9 U	4.7 U	4.8 U	4.6 U	4.8 U	4.8 U
Bromodichloromethane	75-27-4	6.3 U	6 U	6.2 U	5.9 U	6.2 U	6.2 U
Bromoform	75-25-2	9.7 U	9.3 U	9.5 U	9.1 U	9.5 U	9.5 U
Bromomethane	74-83-9	3.6 U	3.5 U	3.6 U	3.4 U	3.6 U	3.6 U
Butadiene, 1,3-	106-99-0	2.1 U	2 U	2 U	1.9 U	2 U	2 U
Butanone, 2-	78-93-3	2.8 U	**10**	2.7 U	2.6 U	**3.2**	2.7 U
Carbon disulfide	75-15-0	2.9 U	2.8 U	2.9 U	2.7 U	2.9 U	2.9 U
Carbon tetrachloride	56-23-5	5.9 U	5.7 U	5.8 U	5.5 U	5.8 U	5.8 U
Chlorobenzene	108-90-7	4.3 U	4.1 U	4.2 U	4.1 U	4.2 U	4.2 U
Chloroethane	75-00-3	2.5 U	2.4 U	2.4 U	2.3 U	2.4 U	2.4 U
Chloroform	67-66-3	4.6 U	4.4 U	4.5 U	4.3 U	4.5 U	4.5 U
Chloromethane	74-87-3	7.6 U	7.4 UJ	7.6 UJ	7.2 U	7.6 U	7.6 U
Cryofluorane	76-14-2	6.6 U	6.3 U	6.4 U	6.2 U	6.4 U	6.4 U
Cyclohexane	110-82-7	3.2 U	3.1 U	3.2 U	3 U	3.2 U	3.2 U
Dibromochloromethane	124-48-1	8 U	7.7 U	7.8 U	7.5 U	7.8 U	7.8 U
Dibromoethane, 1,2-	106-93-4	7.2 U	6.9 U	7.1 U	6.8 U	7.1 U	7.1 U
Dichlorobenzene, 1,2-	95-50-1	5.7 U	5.4 U	5.5 U	5.3 U	5.5 U	5.5 U
Dichlorobenzene, 1,3-	541-73-1	5.7 U	5.4 U	5.5 U	5.3 U	5.5 U	5.5 U
Dichlorobenzene, 1,4-	106-46-7	5.7 U	5.4 U	5.5 U	5.3 U	5.5 U	5.5 U
Dichlorodifluoromethane	75-71-8	4.6 U	4.5 U	4.5 U	4.4 U	4.5 U	4.5 U
Dichloroethane, 1,1-	75-34-3	3.8 U	3.6 U	3.7 U	3.6 U	3.7 U	3.7 U
Dichloroethane, 1,2-	107-06-2	3.8 U	3.6 U	3.7 U	3.6 U	3.7 U	3.7 U
Dichloroethene, cis-1,2-	156-59-2	3.7 U	3.6 U	3.6 U	3.5 U	3.6 U	3.6 U
Dichloroethene, 1,1-	75-35-4	3.7 U	3.6 U	3.6 U	3.5 U	3.6 U	3.6 U
Dichloropropane, 1,2-	78-87-5	4.3 U	4.2 U	4.3 U	4.1 U	4.3 U	4.3 U
Dichloropropene, cis-1,3	10061-01-5	4.3 U	4.1 U	4.2 U	4 U	4.2 U	4.2 U
Dichloropropene, trans-1,3	10061-02-6	4.3 U	4.1 U	4.2 U	4 U	4.2 U	4.2 U
Dioxane, 1,4-	123-91-1	13.3 U	13 U	13.3 U	12.6 U	13.3 U	13.3 U
Ethanol	64-17-5	7 U	6.8 U	7 U	6.6 U	7 U	7 U
Ethyltoluene, p-	622-96-8	4.6 U	4.4 U	4.5 U	4.3 U	4.5 U	4.5 U
Heptane, n-	142-82-5	3.9 U	3.7 U	3.8 U	3.6 U	3.8 U	3.8 U
Hexachlorobutadiene	87-68-3	39.5 U	38.4 U	39.5 U	37.3 U	39.5 U	39.5 U
Hexane, n-	110-54-3	3.3 U	3.2 U	3.2 U	3.1 U	3.2 U	3.2 U
Hexanone, 2-	591-78-6	15.2 U	14.7 U	15.2 U	14.3 UJ	15.2 UJ	15.2 UJ
Isopropyl benzene	98-82-8	4.6 U	4.4 U	4.5 U	4.3 U	4.5 U	4.5 U
Methyl tert-butyl ether	1634-04-4	3.4 UJ	3.2 U	3.3 U	3.2 U	3.3 U	3.3 U
Methyl-2-pentanone, 4-	108-10-1	3.9 U	3.7 U	3.8 U	3.6 U	3.8 U	3.8 U
Methylene chloride	75-09-2	3.3 U	3.1 U	3.2 U	3.1 U	3.2 U	3.2 U
Naphthalene	91-20-3	19.4 U	18.9 U	19.4 U	18.3 U	19.4 U	19.4 U
Propanol, 2-	67-63-0	9.1 U	8.8 U	9.1 U	8.6 U	9.1 U	9.1 U
Propylbenzene, n-	103-65-1	4.6 U	4.4 U	4.5 U	4.3 U	4.5 U	4.5 U
Styrene	100-42-5	4 U	3.8 U	3.9 U	3.7 U	3.9 U	3.9 U
Tetrachloroethane,1,1,2,2-	79-34-5	6.5 U	6.2 U	6.3 U	6 U	6.3 U	6.3 U
Tetrachloroethene	127-18-4	6.4 U	6.1 U	6.2 U	6 U	6.2 U	6.2 U
Tetrahydrofuran	109-99-9	2.8 U	2.7 U	2.7 U	2.6 U	2.7 U	2.7 U
Trans-1,2-dichloroethene	156-60-5	3.7 U	3.6 U	3.6 U	3.5 U	3.6 U	3.6 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1	7.2 U	6.9 U	7.1 U	6.7 U	7.1 U	7.1 U
Trichlorobenzene, 1,2,4-	120-82-1	27.5 U	26.7 U	27.5 U	26 U	27.5 U	27.5 U
Trichloroethane, 1,1,1-	71-55-6	5.1 U	4.9 U	5 U	4.8 U	5 U	5 U
Trichloroethane, 1,1,2-	79-00-5	5.1 U	4.9 U	5 U	4.8 U	5 U	5 U
Trichloroethene	79-01-6	5.1 U	4.8 U	4.9 U	4.7 U	4.9 U	4.9 U
Trichlorofluoromethane	75-69-4	5.3 U	5.1 U	5.2 U	4.9 U	5.2 U	5.2 U
Trimethylbenzene, 1,2,4-	95-63-6	4.6 U	4.4 U	4.5 U	4.3 U	4.5 U	4.5 U
Trimethylbenzene, 1,3,5-	108-67-8	4.6 U	4.4 U	4.5 U	4.3 U	4.5 U	4.5 U
Trimethylpentane, 2,2,4-	540-84-1	4.4 U	4.2 U	4.3 U	4.1 U	4.3 U	4.3 U
Vinyl chloride	75-01-4	2.4 U	2.3 U	2.4 U	2.2 U	2.4 U	2.4 U

Table 1
Time-Weighted Average VOC Data Results
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Bay Shore/Brightwaters Former MGP Site
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Sample Name: / Sample Date:	CAS number	TRIP BLANK 9/10/2008	AMS-3 UW 9/19/2008	AMS4 DW 9/19/2008
BTEX (ug/m^3)				
Benzene	71-43-2	1.6 U	2.7 U	2.8 U
Toluene	108-88-3	1.9 U	3.2 U	3.4 U
Ethylbenzene	100-41-4	2.2 U	3.7 U	3.9 U
Xylene, m,p-	108383/106423	2.2 U	3.7 U	3.9 U
Xylene, o-	95-47-6	2.2 U	3.7 U	3.9 U
Other VOCs (ug/m^3)				
Acetone	67-64-1	4.8 U	**51**	**76**
Allyl chloride	107-05-1	6.3 U	11 U	11 U
Benzyl chloride	100-44-7	2.6 U	4.4 U	4.6 U
Bromodichloromethane	75-27-4	3.4 U	5.7 U	6.0 U
Bromoform	75-25-2	5.2 U	8.8 U	9.2 U
Bromomethane	74-83-9	1.9 U	3.3 U	3.5 U
Butadiene, 1,3-	106-99-0	1.1 U	1.9 U	2.0 U
Butanone, 2-	78-93-3	1.5 U	**9.8**	**10**
Carbon disulfide	75-15-0	1.6 U	2.7 U	2.8 U
Carbon tetrachloride	56-23-5	3.1 U	5.4 U	5.6 U
Chlorobenzene	108-90-7	2.3 U	3.9 U	4.1 U
Chloroethane	75-00-3	1.3 U	2.2 U	2.4 U
Chloroform	67-66-3	2.4 U	4.2 U	4.4 U
Chloromethane	74-87-3	4.1 U	7.1 U	7.4 U
Cryofluorane	76-14-2	3.5 U	6.0 U	6.2 U
Cyclohexane	110-82-7	1.7 U	2.9 U	3.1 U
Dibromochloromethane	124-48-1	4.3 U	7.3 U	7.6 U
Dibromoethane, 1,2-	106-93-4	3.8 U	6.6 U	6.9 U
Dichlorobenzene, 1,2-	95-50-1	3 U	5.1 U	5.4 U
Dichlorobenzene, 1,3-	541-73-1	3 U	5.1 U	5.4 U
Dichlorobenzene, 1,4-	106-46-7	3 U	5.1 U	5.4 U
Dichlorodifluoromethane	75-71-8	2.5 U	4.2 U	4.4 U
Dichloroethane, 1,1-	75-34-3	2 U	3.5 U	3.6 U
Dichloroethane, 1,2-	107-06-2	2 U	3.5 U	3.6 U
Dichloroethene, cis-1,2-	156-59-2	2 U	3.4 U	3.5 U
Dichloroethene, 1,1-	75-35-4	2 U	3.4 U	3.5 U
Dichloropropane, 1,2-	78-87-5	2.3 U	4.0 U	4.1 U
Dichloropropene, cis-1,3	10061-01-5	2.3 U	3.9 U	4.1 U
Dichloropropene, trans-1,3	10061-02-6	2.3 U	3.9 U	4.1 U
Dioxane, 1,4-	123-91-1	7.2 U	12 U	13 U
Ethanol	64-17-5	3.8 U	6.4 U	**8.6**
Ethyltoluene, p-	622-96-8	2.5 U	4.2 U	4.4 U
Heptane, n-	142-82-5	2 U	3.5 U	3.7 U
Hexachlorobutadiene	87-68-3	21.3 U	36 U	38 U
Hexane, n-	110-54-3	1.8 U	3.0 U	3.2 U
Hexanone, 2-	591-78-6	8.2 UJ	14 U	15 U
Isopropyl benzene	98-82-8	2.5 U	4.2 U	4.4 U
Methyl tert-butyl ether	1634-04-4	1.8 U	3.1 U	3.2 U
Methyl-2-pentanone, 4-	108-10-1	2 U	3.5 U	3.7 U
Methylene chloride	75-09-2	1.7 U	3.0 U	3.1 U
Naphthalene	91-20-3	10.5 U	18 U	19 U
Propanol, 2-	67-63-0	4.9 U	8.4 U	8.8 U
Propylbenzene, n-	103-65-1	2.5 U	4.2 U	4.4 U
Styrene	100-42-5	2.1 U	3.6 U	3.8 U
Tetrachloroethane,1,1,2,2-	79-34-5	3.4 U	5.9 U	6.1 U
Tetrachloroethene	127-18-4	3.4 U	5.8 U	6.1 U
Tetrahydrofuran	109-99-9	1.5 U	2.5 U	2.6 U
Trans-1,2-dichloroethene	156-60-5	2 U	3.4 U	3.5 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1	3.8 U	6.6 U	6.8 U
Trichlorobenzene, 1,2,4-	120-82-1	14.8 U	25 U	26 U
Trichloroethane, 1,1,1-	71-55-6	2.7 U	4.7 U	4.9 U
Trichloroethane, 1,1,2-	79-00-5	2.7 U	4.7 U	4.9 U
Trichloroethene	79-01-6	2.7 U	4.6 U	4.8 U
Trichlorofluoromethane	75-69-4	2.8 U	4.8 U	5.0 U
Trimethylbenzene, 1,2,4-	95-63-6	2.5 U	4.2 U	4.4 U
Trimethylbenzene, 1,3,5-	108-67-8	2.5 U	4.2 U	4.4 U
Trimethylpentane, 2,2,4-	540-84-1	2.3 U	4.0 U	4.2 U
Vinyl chloride	75-01-4	1.3 U	2.2 U	2.3 U

Table 1
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Notes:

Sample designation was used to identify upwind versus downwind station locations on a given sample date
AMS - air monitoring station
UW - upwind
DW - downwind
Bolding indicates a detected result value
ug/m3 - micrograms per cubic meter
BTEX - benzene, toluene, ethylbenzene, and xylenes
VOCs - volatile organic compounds

Validation Qualifiers:

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

Table 2
Time-Weighted Average VOC Sampling Times, Wind Directions, and Locations
Community Air Monitoring Completion Report
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Sample Date	Station ID	Time Start	Time End	Number of Weather Data Points	Average Wind Direction	Optimal Wind Direction	Wind Direction Delta	Wind Standard Deviation	Identified for Further Analysis*
2/23/2007	UW AMS-1	NA	NA	10	357.5	338	19.5	18.5	
2/23/2007	DW AMS-3	NA	NA						
3/8/2007	UW AMS-4	6:55	15:27	35	242.9	250	7.1	8.4	Yes
3/8/2007	DW AMS-2	7:00	15:25						
3/14/2007	UW AMS	7:15	15:55	36	174.6	NA	NA	8.2	
3/14/2007	DW AMS	7:55	15:55						
3/22/2007	UW AMS-4	7:00	15:00	33	260.0	250	10.0	10.0	Yes
3/22/2007	DW AMS-2	7:00	15:00						
3/29/2007	UW AMS-2	NA	NA	33	31.2	10	21.2	4.6	Yes
3/29/2007	DW AMS-3	NA	NA						
4/5/2007	UW AMS-4	6:50	15:30	36	344.8	250	94.8	19.6	
4/5/2007	DW AMS-2	6:50	15:30						
4/12/2007	UW AMS-2	6:50	15:07	34	122.3	70	52.3	14.9	
4/12/2007	DW AMS-4	6:48	15:08						
4/18/2007	UW AMS-2	6:50	15:25	36	69.3	70	0.7	5.9	Yes
4/18/2007	DW AMS-4	6:50	15:25						
4/26/2007	UW AMS-3	7:20	15:36	34	151.8	70	81.8	56.3	
4/26/2007	DW AMS-5	7:20	15:33						
5/3/2007	UW AMS-6	7:15	15:15	33	136.7	270	133.3	107.1	
5/3/2007	DW AMS-3	7:15	15:15						
5/10/2007	UW AMS-4	7:45	15:45	38	239.8	190	49.8	24.0	
5/10/2007	DW AMS-1	9:00	17:00						
5/17/2007	UW AMS-4	7:21	15:24	34	150.3	120	30.3	48.7	
5/17/2007	DW AMS-6	7:25	15:29						
5/24/2007	UW AMS-6	NA	16:30	33	272.7	255	17.7	10.8	Yes
5/24/2007	DW AMS-2	NA	16:30						
5/30/2007	UW AMS-6	6:05	14:10	35	178.8	255	76.2	90.7	
5/30/2007	DW AMS-2	6:05	14:20						
6/6/2007	UW AMS-6	6:00	14:00	33	23.0	270	113.0	18.3	
6/6/2007	DW AMS-3	6:00	14:00						
6/13/2007	UW AMS-2	6:30	15:09	35	106.8	30	76.8	27.4	
6/13/2007	DW AMS-4	6:35	15:08						
6/20/2007	UW AMS-2	NA	NA	33	355.2	50	54.8	49.8	
6/20/2007	DW AMS-5	NA	NA						
6/28/2007	UW AMS-5	NA	14:40	33	278.8	230	48.8	13.4	
6/28/2007	DW AMS-2	NA	14:45						
7/6/2007	UW AMS-1	8:00	14:45	28	357.5	10	12.5	17.1	Yes
7/6/2007	DW AMS-4	8:00	14:45						
7/11/2007	NA	NA	NA	33	226.2	NA	NA	9.3	
7/11/2007	DW AMS-3	7:10	15:10						
7/18/2007	UW AMS-3	6:05	14:07	14	184.2	130	54.2	38.6	
7/18/2007	DW AMS-1	6:00	14:07						
7/27/2007	UW AMS-3	7:15	15:30	34	237.7	90	147.7	23.2	
7/27/2007	DW AMS-6	7:15	14:35						
8/9/2007	UW AMS-1	NA	15:30	33	158.9	45	113.9	32.0	
8/9/2007	DW AMS-5	NA	15:30						
8/15/2007	AMS-5	6:19	NA	33	301.8	225	76.8	8.6	
8/15/2007	AMS-3	6:25	NA						
8/22/2007	UW AMS-1	6:13	15:13	38	128.5	45	83.5	28.7	
8/22/2007	DW AMS-5	6:11	15:11						
8/29/2007	UW AMS-5	6:11	15:22	38	294.2	225	69.2	73.6	
8/29/2007	DW AMS-1	6:09	15:20						
9/5/2007	UW AMS-5	6:15	15:29	38	121.6	225	103.4	60.6	
9/5/2007	DW AMS-1	6:20	15:22						
9/12/2007	UW AMS-5	6:40	15:10	35	6.3	225	141.3	10.4	
9/12/2007	DW AMS-1	6:40	15:10						
9/19/2007	UW AMS-1	7:15	15:15	33	126.0	45	81.0	69.9	
9/19/2007	DW AMS-5	7:15	15:13						
9/26/2007	UW AMS-5	6:00	14:10	34	305.4	195	110.4	11.6	
9/26/2007	DW AMS-3	6:15	14:15						
10/4/2007	UW AMS-4	6:17	13:29	31	312.5	160	152.5	31.9	
10/4/2007	DW AMS-3	6:11	13:33						
10/10/2007	UW AMS-5	7:00	15:00	33	207.7	280	72.3	21.1	
10/10/2007	DW AMS-1	7:00	15:00						
10/17/2007	UW AMS-5	6:00	14:00	33	194.4	280	85.6	100.3	
10/17/2007	DW AMS-1	6:00	14:00						
10/25/2007	UW AMS-1	6:30	14:30	33	150.7	45	105.7	16.6	
10/25/2007	DW AMS-5	6:30	14:32						
10/31/2007	UW AMS-5	6:15	14:15	42	334.6	280	54.6	66.1	
10/31/2007	DW AMS-1	8:20	16:20						

Table 2
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Sample Date	Station ID	Time Start	Time End	Number of Weather Data Points	Average Wind Direction	Optimal Wind Direction	Wind Direction Delta	Wind Standard Deviation	Identified for Further Analysis*
11/7/2007	UW AMS-3	6:00	14:00	33	28.9	15	13.9	15.0	Yes
11/7/2007	DW AMS-5	6:00	14:00						
11/14/2007	UW AMS-5	6:30	14:30	33	203.5	280	76.5	102.8	
11/14/2007	DW AMS-1	6:30	14:25						
11/21/2007	UW AMS-1	6:15	15:15	37	229.9	45	175.1	50.6	
11/21/2007	DW AMS-5	6:15	15:15						
11/28/2007	UW AMS-1	6:45	14:45	34	66.2	45	21.2	26.1	Yes
11/28/2007	DW AMS-5	6:50	14:50						
12/5/2007	UW AMS-5	6:15	14:15	33	15.7	280	95.7	15.3	
12/5/2007	DW AMS-1	6:15	14:15						
12/12/2007	UW AMS-5	6:00	14:05	34	23.2	280	103.2	22.2	
12/12/2007	DW AMS-1	6:00	14:10						
12/19/2007	UW AMS-5	6:00	14:00	0:00	189.5	245	55.5	85.3	
12/19/2007	DW AMS-3	6:00	14:00						
1/2/2008	UW AMS-7	7:00	15:00	0:00	80.7	295	145.7	24.1	
1/2/2008	DW AMS-1	7:00	15:00						
1/9/2008	UW AMS-5	6:10	14:10	33	338.9	255	83.9	8.0	
1/9/2008	DW AMS-3	6:10	14:10						
1/16/2008	UW AMS-5	6:00	14:10	34	77.7	105	27.3	15.4	Yes
1/16/2008	DW AMS-1	6:00	14:10						
1/23/2008	UW AMS-5	6:05	14:10	34	49.7	225	175.3	13.2	
1/23/2008	DW AMS-3	6:05	14:10						
1/30/2008	UW AMS-5	6:00	14:00	33	348.3	220	128.3	25.0	
1/30/2008	DW AMS-3	6:00	14:00						
2/6/2008	UW AMS-5	6:40	14:40	33	327.4	105	137.6	28.9	
2/6/2008	DW AMS-1	6:45	14:45						
2/13/2008	UW AMS-5	6:10	14:15	33	304.6	220	84.6	8.2	
2/13/2008	DW AMS-3	6:10	14:15						
2/20/2008	UW AMS-5	6:50	14:30	33	32.7	275	117.7	10.8	
2/20/2008	DW AMS-1	6:30	14:30						
2/21/2008	UW AMS-6	8:30	16:30	35	69.8	180	110.2	18.0	
2/21/2008	DW AMS-3	8:00	16:00						
2/27/2008	UW AMS-5	6:00	14:00	33	48.9	275	133.9	14.1	
2/27/2008	DW AMS-1	6:00	14:00						
2/28/2008	UW AMS-4	7:00	15:00	34	56.7	205	148.3	9.5	
2/28/2008	DW AMS-2	7:10	15:10						
3/6/2008	UW AMS-5	6:00	14:00	28	128.5	220	91.5	77.3	
3/6/2008	DW AMS-3	6:00	14:00						
3/12/2008	UW AMS-5	5:45	13:43	33	293.3	220	73.3	26.2	
3/12/2008	DW AMS-3	5:45	13:43						
3/13/2008	UW AMS-4	7:19	15:16	32	291.2	170	121.2	96.9	
3/13/2008	DW AMS-1	7:10	15:09						
3/20/2008	UW AMS-5	6:00	14:00	33	339.4	220	119.4	5.1	
3/20/2008	DW AMS-3	6:00	14:00						
3/26/2008	UW AMS-5	5:45	13:45	34	267.2	220	47.2	13.0	
3/26/2008	DW AMS-3	5:45	13:45						
4/2/2008	UW AMS-5	6:15	14:45	35	336.4	NA	NA	58.3	
4/2/2008	DW AMS	6:15	14:45						
4/9/2008	UW AMS-1	5:15	13:15	34	126.4	90	36.4	42.3	Yes
4/9/2008	DW AMS-5	5:20	13:20						
4/17/2008	UW AMS-5	6:45	14:45	33	128.6	220	91.4	77.3	
4/17/2008	DW AMS-3	6:45	14:45						
4/23/2008	UW AMS	6:10	14:10	31	281.6	NA	NA	46.7	
4/23/2008	DW AMS	6:15	14:15						
4/30/2008	UW AMS-7	5:55	13:55	33	337.1	285	52.1	14.6	
4/30/2008	DW AMS-1	5:50	13:50						
5/8/2008	UW AMS-5	5:45	13:45	33	263.2	220	43.2	6.2	Yes
5/8/2008	DW AMS-3	5:45	13:45						
5/14/2008	UW AMS-1	5:45	13:45	33	124.5	140	15.5	92.8	
5/14/2008	DW AMS-3	5:45	13:45						
5/21/2008	UW AMS-5	5:30	14:30	37	279.2	220	59.2	38.0	
5/21/2008	DW AMS-3	5:30	14:30						
5/28/2008	UW AMS-3	5:45	13:45	33	48.6	40	8.6	55.4	
5/28/2008	DW AMS-5	5:45	13:45						
6/4/2008	UW AMS-5	6:00	14:00	33	237.5	220	17.5	36.2	Yes
6/4/2008	DW AMS-3	6:00	14:00						
6/11/2008	UW AMS-3	5:45	13:45	33	12.4	40	27.6	19.9	Yes
6/11/2008	DW AMS-5	5:45	13:45						
6/18/2008	UW AMS-5	5:45	13:50	33	311.7	220	91.7	15.7	
6/18/2008	DW AMS-3	5:47	13:54						

Table 2
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Sample Date	Station ID	Time Start	Time End	Number of Weather Data Points	Average Wind Direction	Optimal Wind Direction	Wind Direction Delta	Wind Standard Deviation	Identified for Further Analysis*
6/25/2008	UW AMS-6	6:45	14:45	33	366.0	285	81.0	27.7	
6/25/2008	DW AMS-1	6:45	14:45						
7/2/2008	UW AMS-5	5:45	13:45	34	85.5	235	149.5	86.9	
7/2/2008	DW AMS-3	5:47	13:50						
7/9/2008	UW AMS-5	5:50	13:45	32	340.2	235	105.2	6.5	
7/9/2008	DW AMS-3	5:52	13:47						
7/16/2008	UW AMS-4	5:45	13:45	32	193.1	185	8.1	73.2	
7/16/2008	DW AMS-3	5:45	13:45						
7/23/2008	DW AMS-4	5:35	13:39	34	188.0	185	3.0	47.3	
7/23/2008	DW AMS-3	5:37	13:37						
7/30/2008	UW AMS-1	5:45	13:45	33	197.8	95	102.8	58.8	
7/30/2008	DW AMS-5	5:45	13:45						
8/6/2008	UW AMS-5	5:45	13:45	33	49.6	235	174.6	48.0	
8/6/2008	DW AMS-3	5:45	13:45						
8/13/2008	UW AMS-6	5:37	13:40	28	22.2	285	97.2	72.4	
8/13/2008	DW AMS-1	5:41	13:43						
8/27/2008	UW AMS-3	6:05	14:10	35	240.0	55	175.0	42.7	
8/27/2008	DW AMS-5	6:03	14:07						
9/3/2008	UW AMS-5	6:27	14:52	33	17.6	235	142.6	45.5	
9/3/2008	DW AMS-3	6:30	14:35						
9/10/2008	UW AMS-3	5:51	13:50	38	181.1	55	126.1	21.6	
9/10/2008	DW AMS-5	5:48	14:55						
9/19/2008	UW AMS-3	5:45	13:45	33	224.8	5	140.2	24.4	
9/19/2008	DW AMS-4	5:45	13:45						

Notes:
*Dates identified for further analysis are shown in Table 3.
AMS - air monitoring station
DW - downwind
NA - not available
UW - upwind

Table 3
Comparison of Upwind and Downwind Time-Weighted Average VOC Date
Community Air Monitoring Completion Report
Bay Shore/Brightwaters Former MGP Site
February 2009

			2007								2008				
Benzene	Maximum Detection	Minimum Detection	3/8	3/22	3/29	4/18	5/24	7/6	11/7	11/28	1/16	4/9	5/8	6/4	6/11
Upwind Concentration	2.4	2.4	2.5	2.7	2.6	2.7	**2.4**	3.2	2.7	2.7	2.7	2.6	2.8	2.8	3.1
Downwind Concentration	NA	NA	2.4	2.7	2.6	2.7	2.9	3.5	3.1	2.7	2.6	2.6	2.8	7.0	3.0
Delta			0.1	0.0	0.0	0.0	-0.5	-0.3	-0.4	0.0	0.1	0.0	0.0	-4.2	0.1

Toluene	Maximum Detection	Minimum Detection	3/8	3/22	3/29	4/18	5/24	7/6	11/7	11/28	1/16	4/9	5/8	6/4	6/11
Upwind Concentration	565.3	3.1	2.9	3.2	**3.1**	3.2	**565.3**	3.8	3.2	3.2	3.2	3.1	3.3	3.3	3.6
Downwind Concentration	15.5	3.5	**3.5**	3.2	3.0	3.2	**15.5**	4.1	3.7	3.2	3.1	3.1	3.3	8.3	3.5
Delta			-0.6	0.0	0.1	0.0	549.8	-0.3	-0.5	0.0	0.1	0.0	0.0	-5.0	0.1

Ethylbenzene	Maximum Detection	Minimum Detection	3/8	3/22	3/29	4/18	5/24	7/6	11/7	11/28	1/16	4/9	5/8	6/4	6/11
Upwind Concentration	8.3	8.3	3.4	3.7	3.5	3.6	**8.3**	4.3	3.7	3.7	3.7	3.6	3.8	3.8	4.2
Downwind Concentration	NA	NA	3.3	3.6	3.5	3.6	3.9	4.8	4.3	3.7	3.6	3.6	3.8	9.6	4.1
Delta			0.1	0.1	0.0	0.0	4.4	-0.5	-0.6	0.0	0.1	0.0	0.0	-5.8	0.1

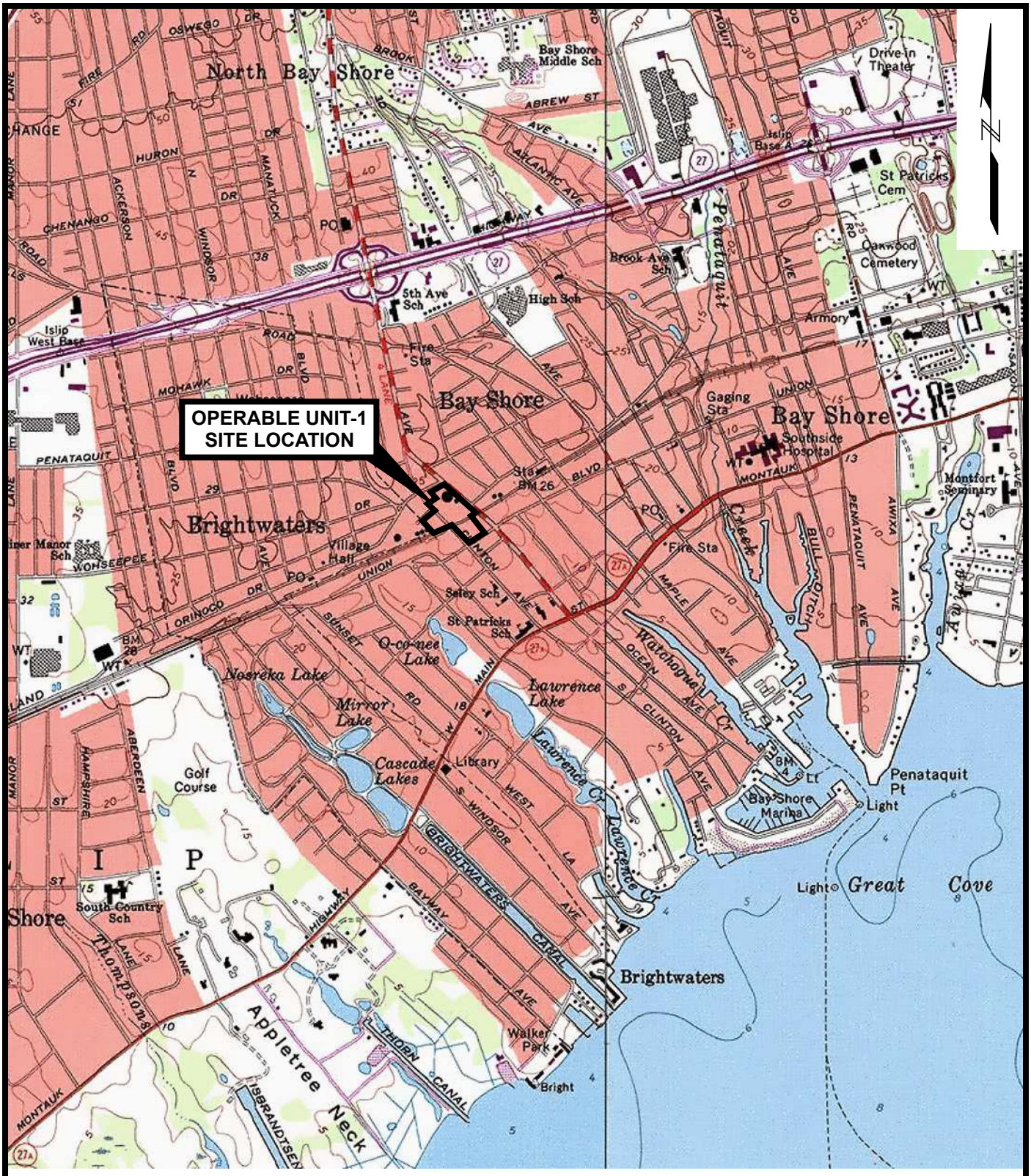
m,p-Xylene	Maximum Detection	Minimum Detection	3/8	3/22	3/29	4/18	5/24	7/6	11/7	11/28	1/16	4/9	5/8	6/4	6/11
Upwind Concentration	10.4	10.4	3.4	3.7	3.5	3.6	**10.4**	4.3	3.7	3.7	3.7	3.6	3.8	3.8	4.2
Downwind Concentration	5.2	5.2	**5.2**	3.6	3.5	3.6	3.9	4.8	4.3	3.7	3.6	3.6	3.8	9.6	4.1
Delta			-1.8	0.1	0.0	0.0	6.5	-0.5	-0.6	0.0	0.1	0.0	0.0	-5.8	0.1

o-Xylene	Maximum Detection	Minimum Detection	3/8	3/22	3/29	4/18	5/24	7/6	11/7	11/28	1/16	4/9	5/8	6/4	6/11
Upwind Concentration	4.0	4.0	3.4	3.7	3.5	3.6	**4.0**	4.3	3.7	3.7	3.7	3.6	3.8	3.8	4.2
Downwind Concentration	NA	NA	3.3	3.6	3.5	3.6	3.9	4.8	4.3	3.7	3.6	3.6	3.8	9.6	4.1
Delta			0.1	0.1	0	0	0.1	-0.5	-0.6	0	0.1	0	0	-5.8	0.1

Naphthalene	Maximum Detection	Minimum Detection	3/8	3/22	3/29	4/18	5/24	7/6	11/7	11/28	1/16	4/9	5/8	6/4	6/11
Upwind Concentration	NA	NA	16.3	17.8	16.8	17.8	14.2	21.5	17.8	17.8	17.8	17.3	18.3	18.3	19.9
Downwind Concentration	NA	NA	15.7	17.8	16.8	17.8	18.9	22.0	20.4	17.8	17.3	17.3	18.3	18.3	19.4
Delta			0.6	0.0	0.0	0.0	-4.7	-0.5	-2.6	0.0	0.5	0.0	0.0	0.0	0.5

Notes:
Bolding and shading indicates a detected result value
Analytical values in normal font indicate reporting limit with no detection
Concentrations are presented in microgram per cubic meter
NA - not applicable

Figures



SOURCE: Map created with TOPO! ® ©2001 National Geographic (www.nationalgeographic.com/topo)

0 2000 4000

SCALE, FEET

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

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SITE LOCATION MAP

February 2009 Figure 1

NATIONAL GRID\BAY SHORE\OU-1\CAMP\BAY SHORE-LOCATION.CDR

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AIR MONITORING STATION LOCATIONS 12/13/06 - 4/23/07

February 2009 Figure 2A

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AIR MONITORING STATION LOCATIONS 4/24/07 - 7/30/07

February 2009 Figure 2B

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LEGEND

- APPROXIMATE LIMITS OF OPERABLE UNIT 1 (OU-1)
- METEOROLOGICAL STATION LOCATION
- AMS 1 — AIR MONITORING STATION LOCATION

N

AMS 1
AMS 2
AMS 3
MOVED 8/31/07
AMS 4
AMS 5
MOVED 10/1/07
AMS 6

ACKERSON STREET
FIFTH AVENUE
NORTH CLINTON AVENUE
LONG ISLAND RAIL ROAD
UNION BOULEVARD
MUNICIPAL BOUNDARY
VILLAGE OF BRIGHTWATERS
TOWN OF ISLIP

0 100 200

SCALE, FEET

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AIR MONITORING STATION LOCATIONS
8/01/07 - 12/27/07

February 2009 Figure 2C

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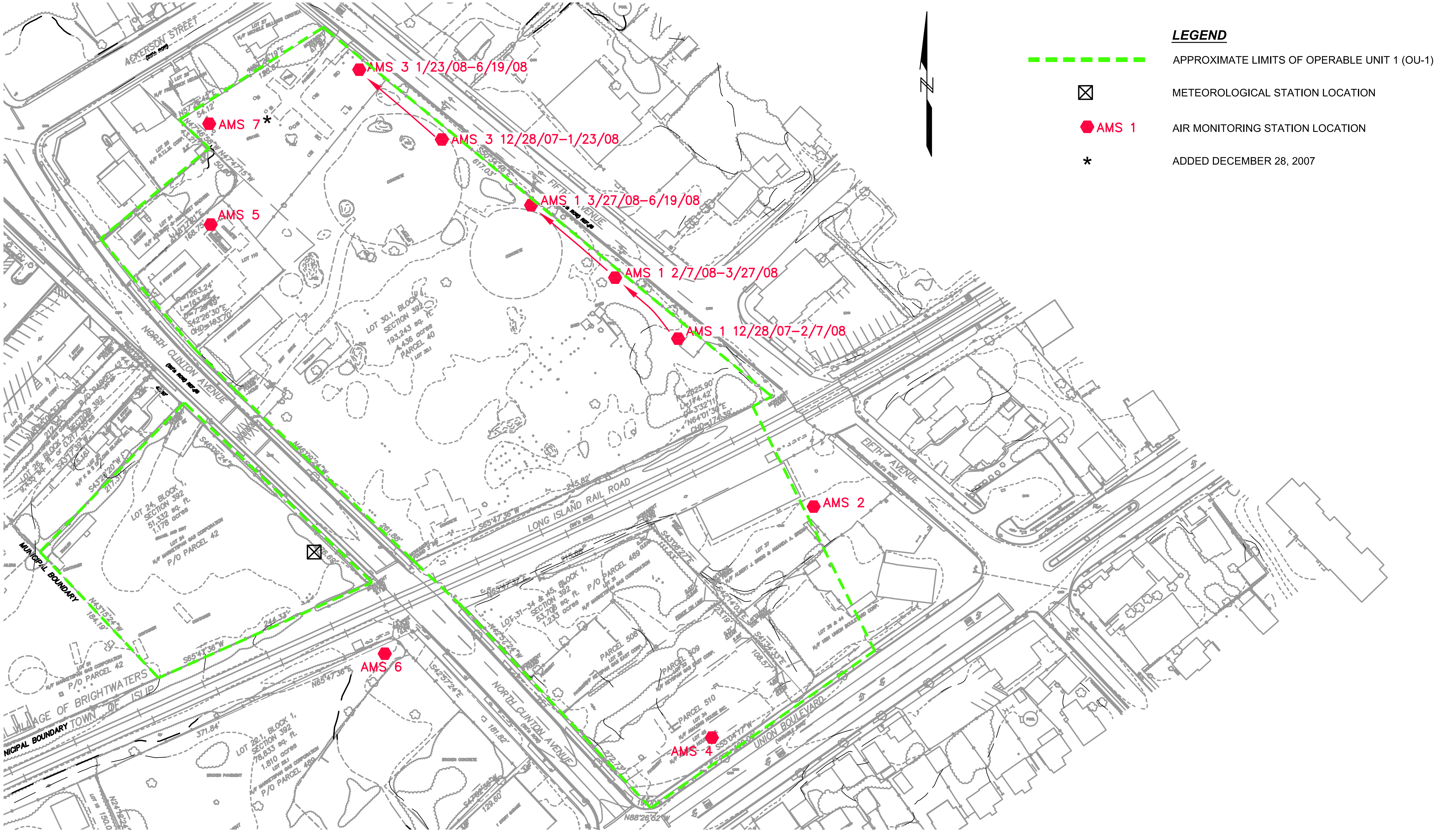

0 100 200

SCALE, FEET

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AIR MONITORING STATION LOCATIONS
12/28/07 - 6/19/08

February 2009

Figure 2D

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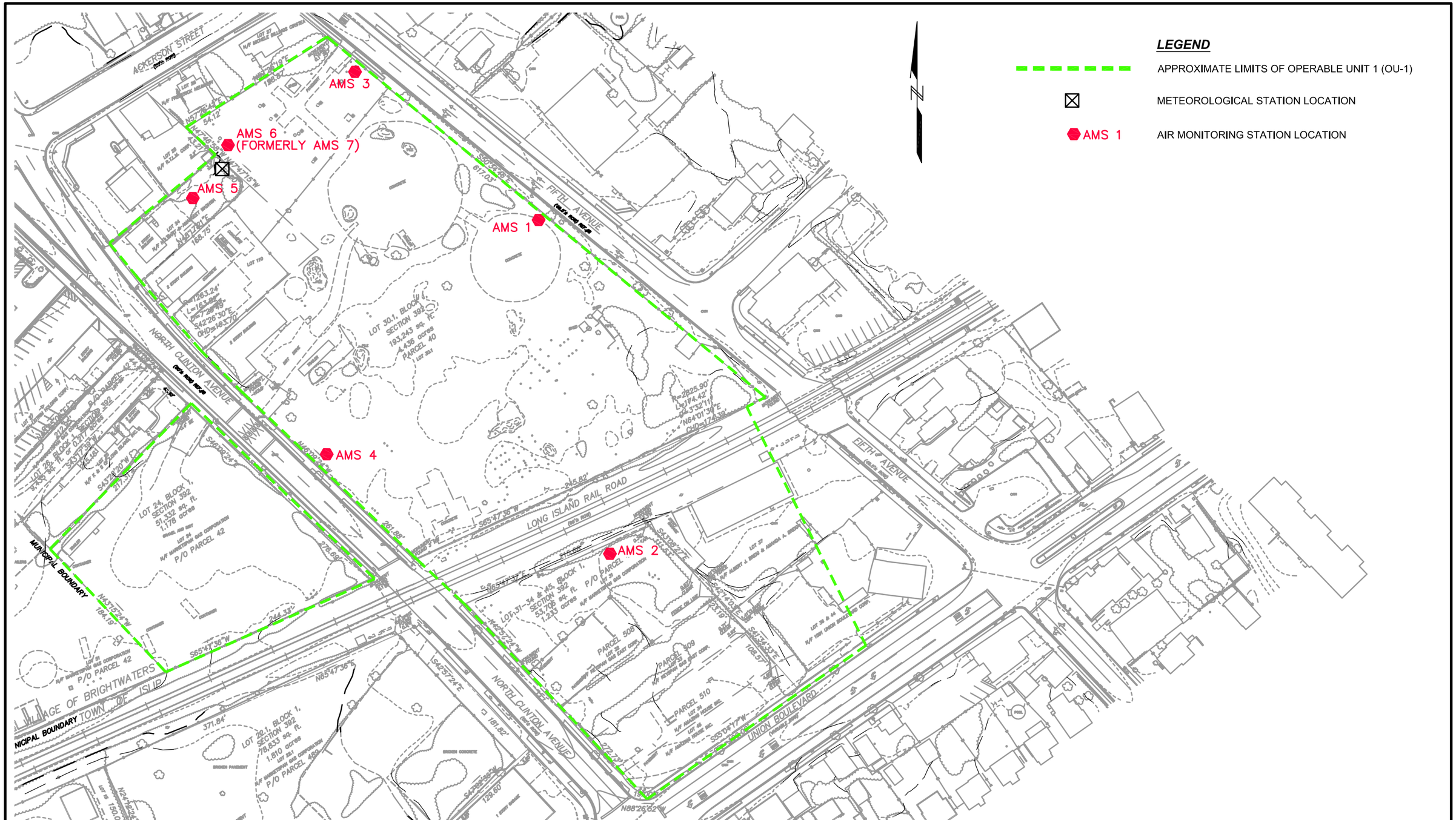

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AIR MONITORING STATION LOCATIONS 6/20/08 - 10/03/08

February 2009 Figure 2E

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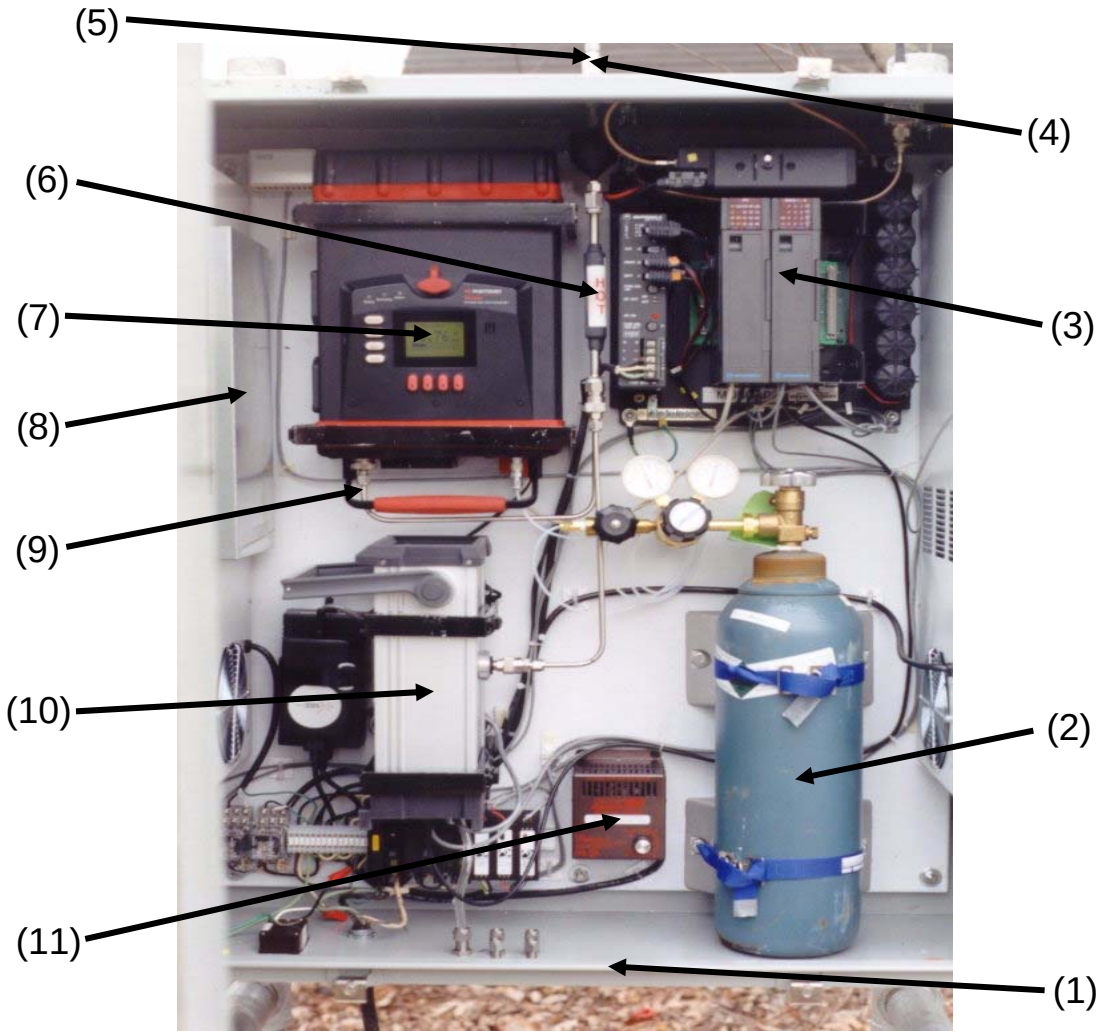
THE ZNOSE® MODEL 4200 ANALYZER

February 2009 Figure 3



1. Station enclosure
2. GC carrier gas
3. Data communications device
4. GC sample inlet
5. DataRAM sample inlet with PM-10 impactor
6. DataRAM sample tubing with in-line heater
7. PhotoVac Voyager gas chromatograph (GC)
8. Heat exchanger
9. GC sample inlet tubing
10. MIE DataRAM portable real-time aerosol monitor
11. Heater element

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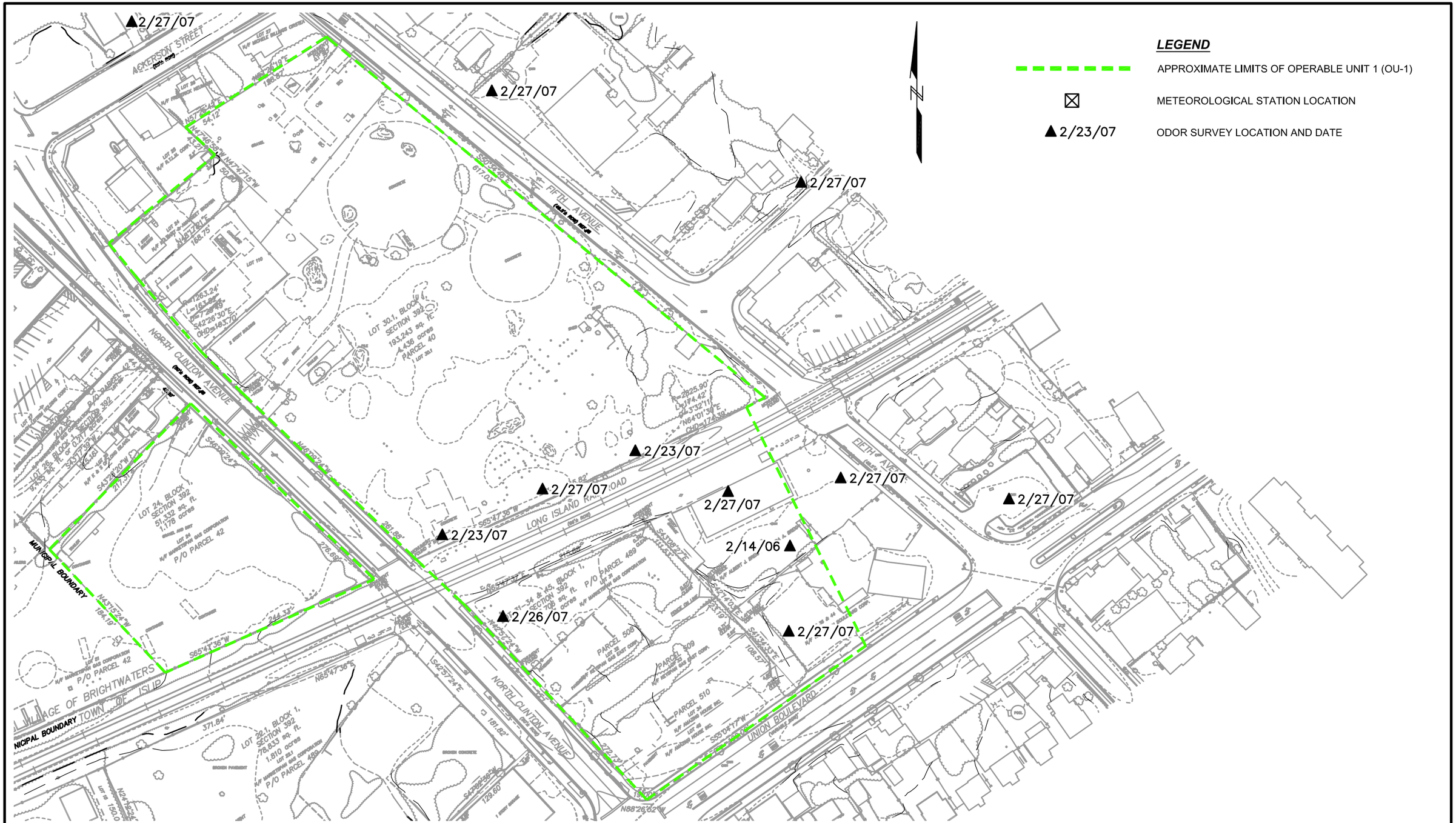
REAL-TIME MONITORING STATION INTERNAL COMPONENTS

PROJECT 061140-8-1703 | February 2009 | Figure 4



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BASELINE ODOR SURVEY LOCATIONS

February 2009 Figure 5

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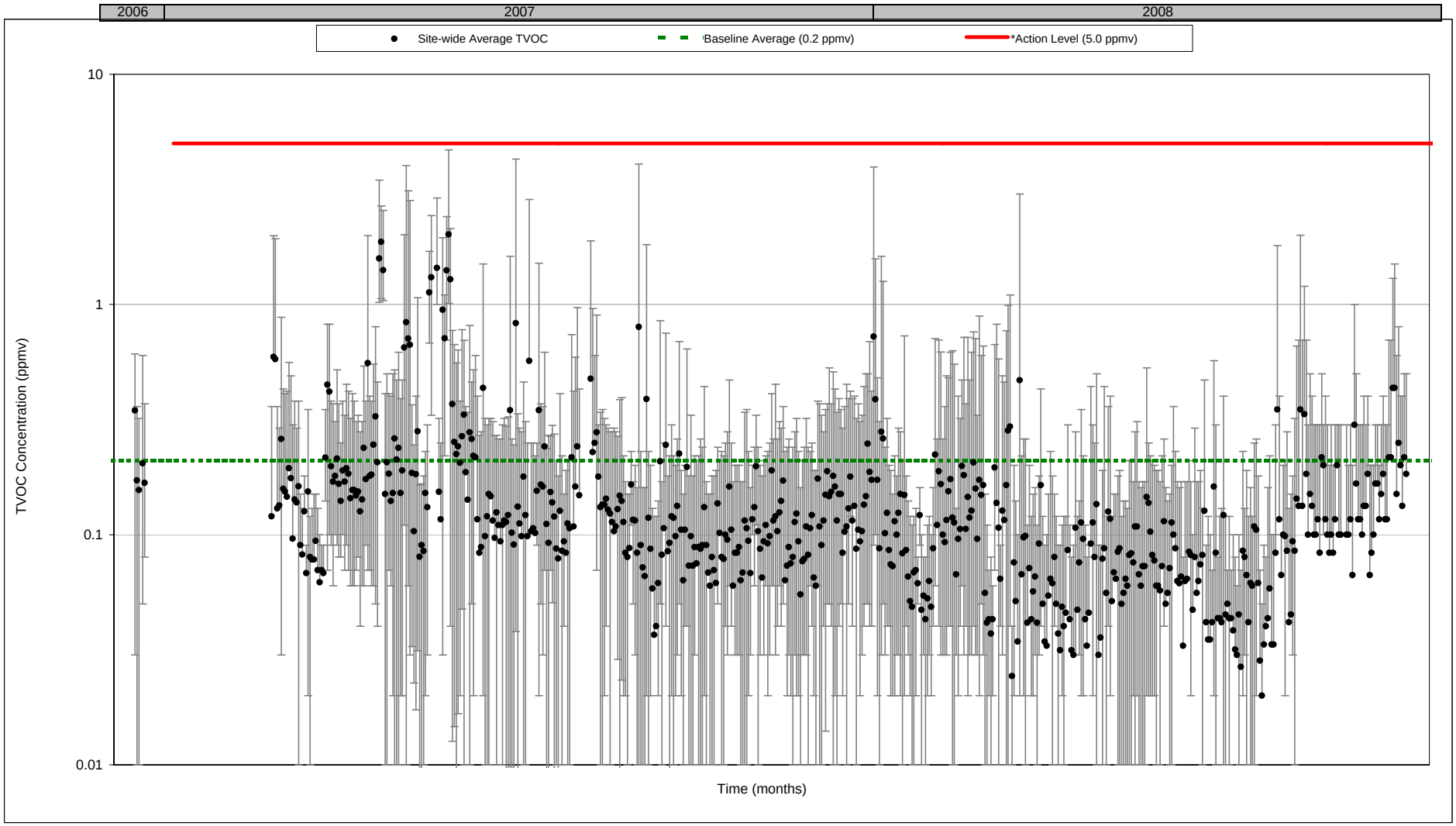
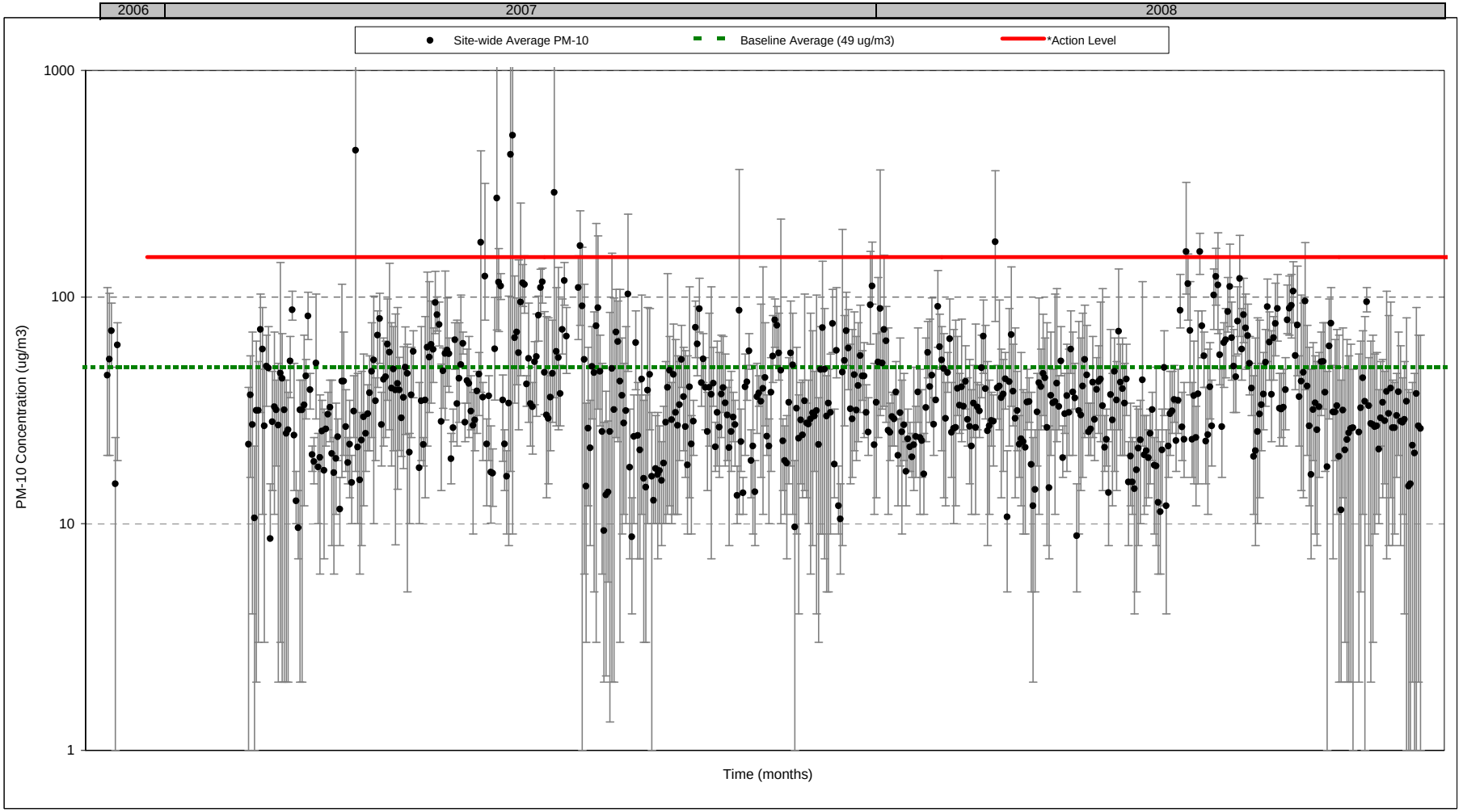
Figure 6
Real-Time Monitoring Total Volatile Organic Compound Concentration Data
Community Air Monitoring Completion Report
Bay Shore/Brightwaters Former MGP Site
February 2009



Daily maximum 15-minute average TVOC concentration data at real-time monitoring stations. The site-wide average concentration for each day is plotted (black dot) as well as the range of concentrations for all real-time monitoring stations on each day.
* The action level refers to the difference in concentration bewteen upwind and downwind concentrations at a particular time of day.

Figure 7
Real-Time Monitoring Particulate Matter Concentration Data
Community Air Monitoring Completion Report
Bay Shore/Brightwaters Former MGP Site
February 2009



Daily maximum 15-minute average PM10 concentration data at real-time monitoring stations. The site-wide average concentration for each day is plotted (black dot) as well as the range of concentrations for all real-time monitoring stations on each day.

* Concentrations of PM-10 greater than 150 ug/m3 required a time-specific comparison of upwind to downwind concentrations to determine if a Site Condition 3 was reached. If the difference between upwind and downwind was not greater than 150 ug/m3, an alert was not issued. Indivudual concentrations of PM-10 greater than 150 ug/m3 were often accompanied by an elevated site-wide average TVOC concentration.

Figure 7
Real-Time Monitoring Particulate Matter Concentration Data
Community Air Monitoring Completion Report
Bay Shore/Brightwaters Former MGP Site
February 2009

Comments

Notable conditions concluded to be a Site Condition 1

4/16/2007	AMS 3 experienced a DataRAM malfiunction.
6/18/2007	Offsite source of PM-10 near AMS 5. Paving operations near AMS 6. No intrusive activity.
6/20/2007	Offsite source of PM-10 near AMS 1. No downwind alerts.
6/26/2007	A Site Condition remained based upon upwind to downwind comparison.
6/27/2007	Site-wide concentrations were due to weather interfering with PM-10 measurements. The site-wide average was 116 ug/m˜.
7/3/2007	Site-wide concentrations were elevated and humidity was high. Sheetpile fabrication occurred onsite.
7/4/2007	Site-wide concentrations were elevated. High humidity.
7/9/2007	Site-wide concentrations were due to weather interfering with PM-10 measurements. The site-wide average was 116 ug/m˜.
7/10/2007	Site-wide concentratiosn were due to weather interfering with PM-10 measurements. The site-wide average was 114 ug/m˜.
7/25/2007	Equipment malfunction at AMS-4.
8/6/2007	Offsite source of PM-10.
8/7/2007	Offsite source of PM-10.
8/8/2007	Offsite source of PM-10.
8/15/2007	Offsite source of PM-10.
8/16/2007	Offsite source of PM-10.
8/31/2007	Concrete removal from trenching activities. Station was upwind. Mitigation by water.
10/26/2007	Offsite source of PM-10.
12/17/2007	Offsite source of PM-10.
12/31/2007	A Site Condition remained based upon upwind to downwind comparison. Offsite source of PM-10.
1/1/2008	A Site Condition 1 remained based upon upwind to downwind comparison.
1/5/2008	Breakup of uncontaminated concrete onsite. Downwind station did not record elevated PM-10.
1/7/2008	A Site Condition 1 remained based upon upwind to downwind comparison.
3/3/2008	A Site Condition remained based upon upwind to downwind comparison. Offsite source of PM-10.
6/7/2008	Site-wide concentrations were due to weather interfering with PM-10 measurements. The site-wide average was 159 ug/m˜.
6/8/2008	Site-wide concentrations were due to weather interfering with PM-10 measurements. The site-wide average was 115 ug/m3.
6/14/2008	Site-wide concentrations were due to weather interfering with PM-10 measurements. The site-wide average was 158 ug/m˜.
6/22/2008	Site-wide concentrations were due to weather interfering with PM-10 measurements. The site-wide average was 123ug/m˜.
6/23/2008	Site-wide concentrations were due to weather interfering with PM-10 measurements. The site-wide average was 113 ug/m˜.
6/29/2008	Site-wide concentrations were due to weather interfering with PM-10 measurements. The site-wide average was 111 ug/m˜.
7/4/2008	Site-wide concentrations were due to weather interfering with PM-10 measurements. The site-wide average was 121 ug/m˜.
8/6/2008	Site-wide concentrations were due to weather interfering with PM-10 measurements. The site-wide average was 96 ug/m˜.

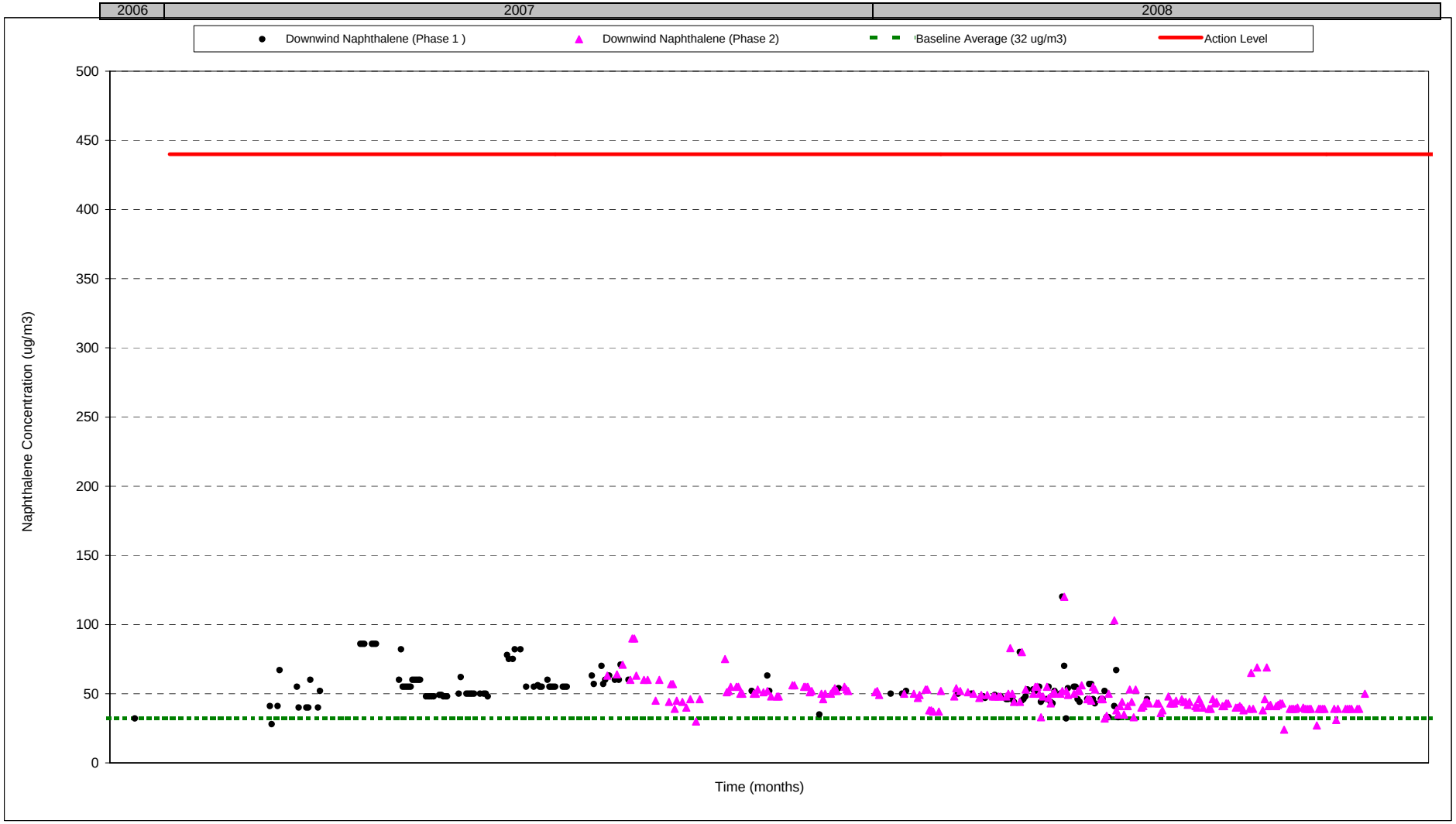
Notable conditions concluded to be a Site Condition 2

7/27/2007	PM-10 caused by welding and sheet fabrication. No intrusive work.
8/23/2007	No site activity near AMS-1 at time of spike and no visible dust. Supplemental monitoring confirmed no PM-10.
9/20/2007	Breakup and stockpiling of concrete. Mitigation by watering.

Notable conditions concluded to be a Site Condition 3

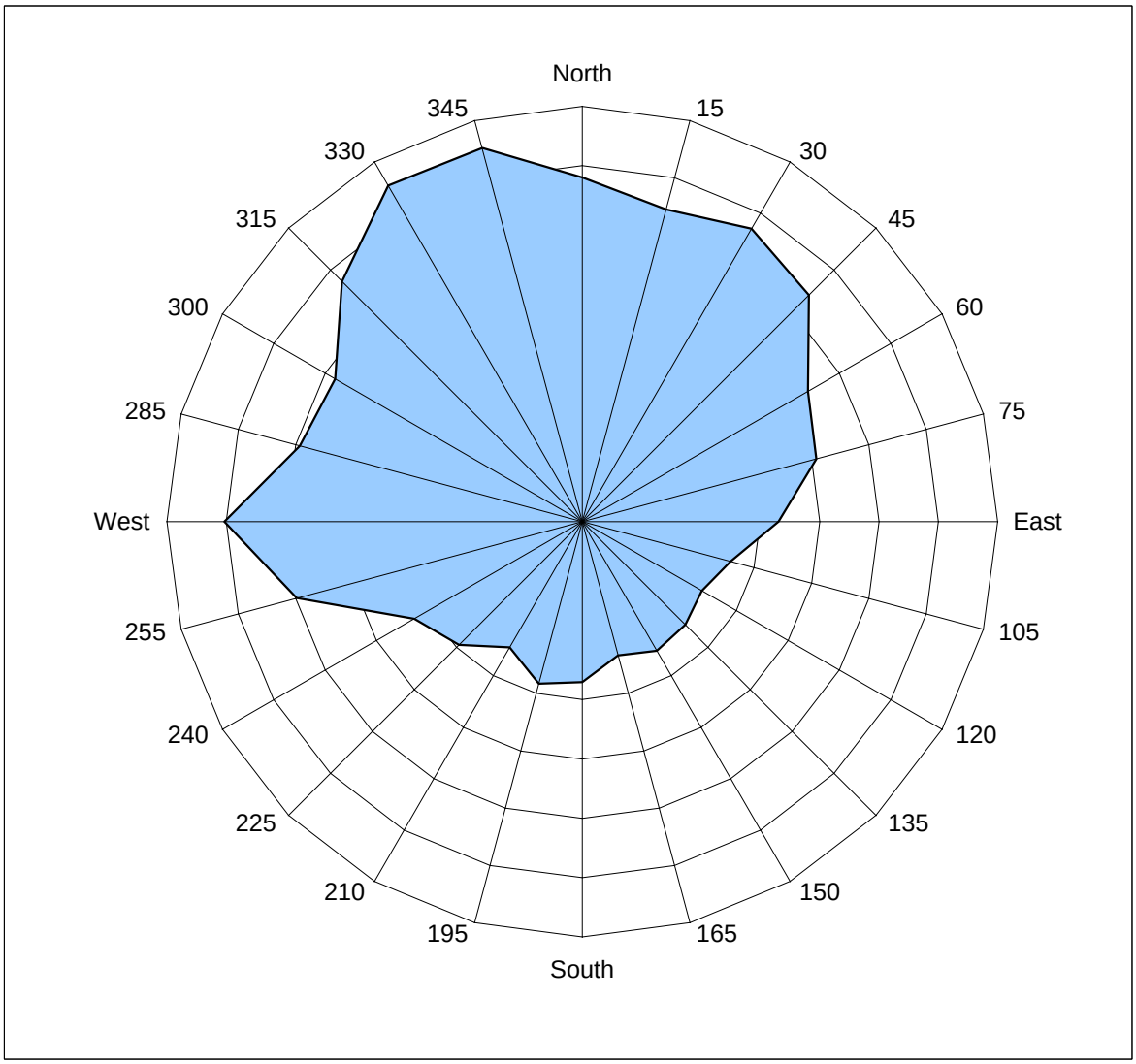
8/23/2007	Exceedence due to stone installation and vehicular traffic. Mitigation by water.
11/16/2007	Exceedence due to maintenance of TIGG unit on temporary tent structure and release of activated charcoal into air.

Figure 8
Supplemental Downwind Naphthalene Concentration Data
Community Air Monitoring Completion Report
Bay Shore/Brightwaters Former MGP Site
February 2009



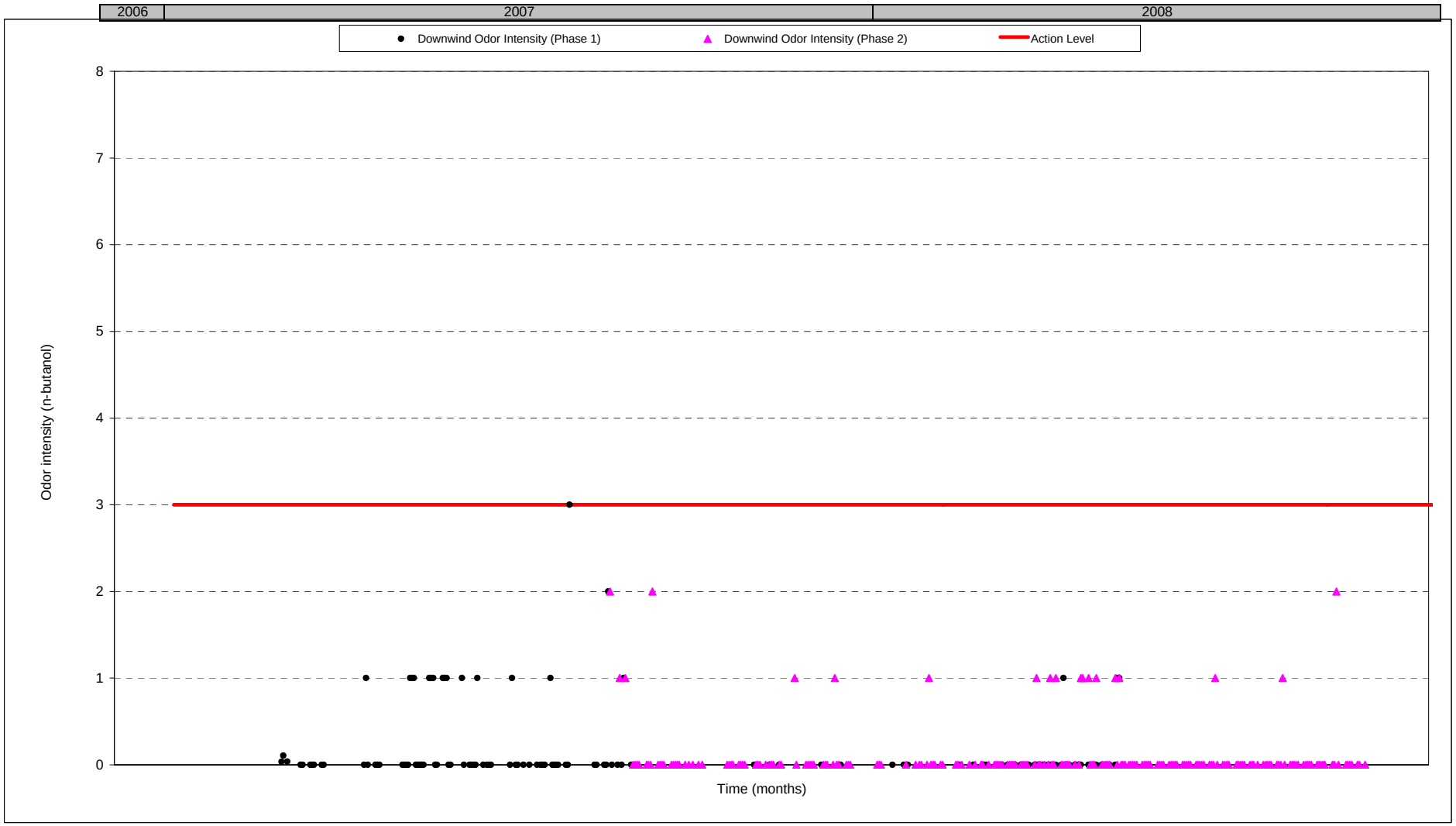
Daily maxmium 15-minute average naphthalene concentration data at the downwind location are plotted for each day. If naphthalene was not detected, the detection limit is shown.

Figure 9
Meterorological Wind Rose
Community Air Monitoring Completion Report
Bay Shore/Brightwaters Former MGP Site
February 2009



Wind rose for the period February 21, 2007 through October 3, 2008. Wind direction data used to create the wind rose were calculated from 15-minute averages.

Figure 10
Supplemental Downwind Odor Intensity Data
Community Air Monitoring Completion Report
Bay Shore/Brightwaters Former MGP Site
February 2009



Daily maximum 15-minute average odor intensity data at the downwind location are plotted for each day.
Odor intensity is based on the n-butanol scale

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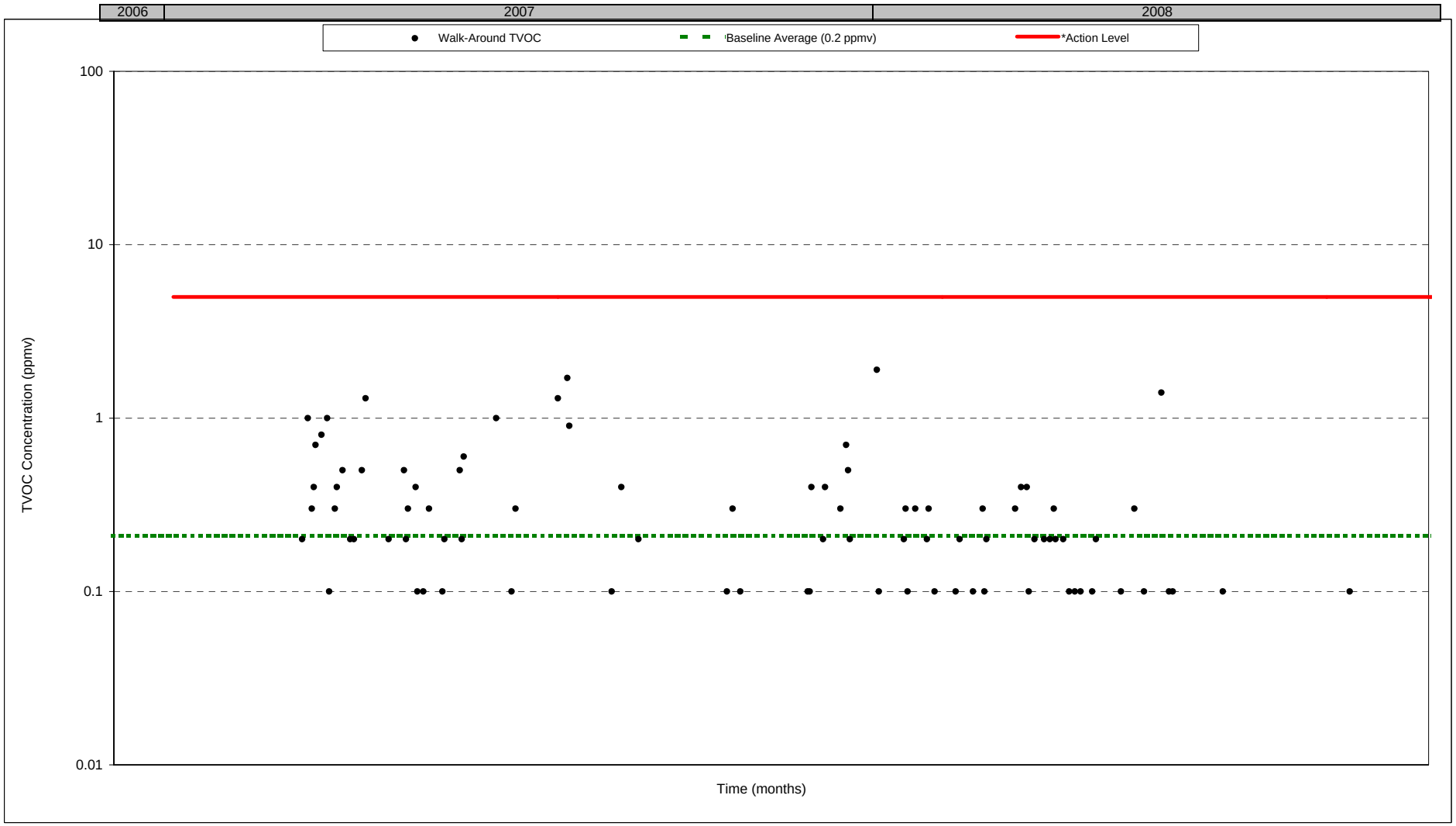
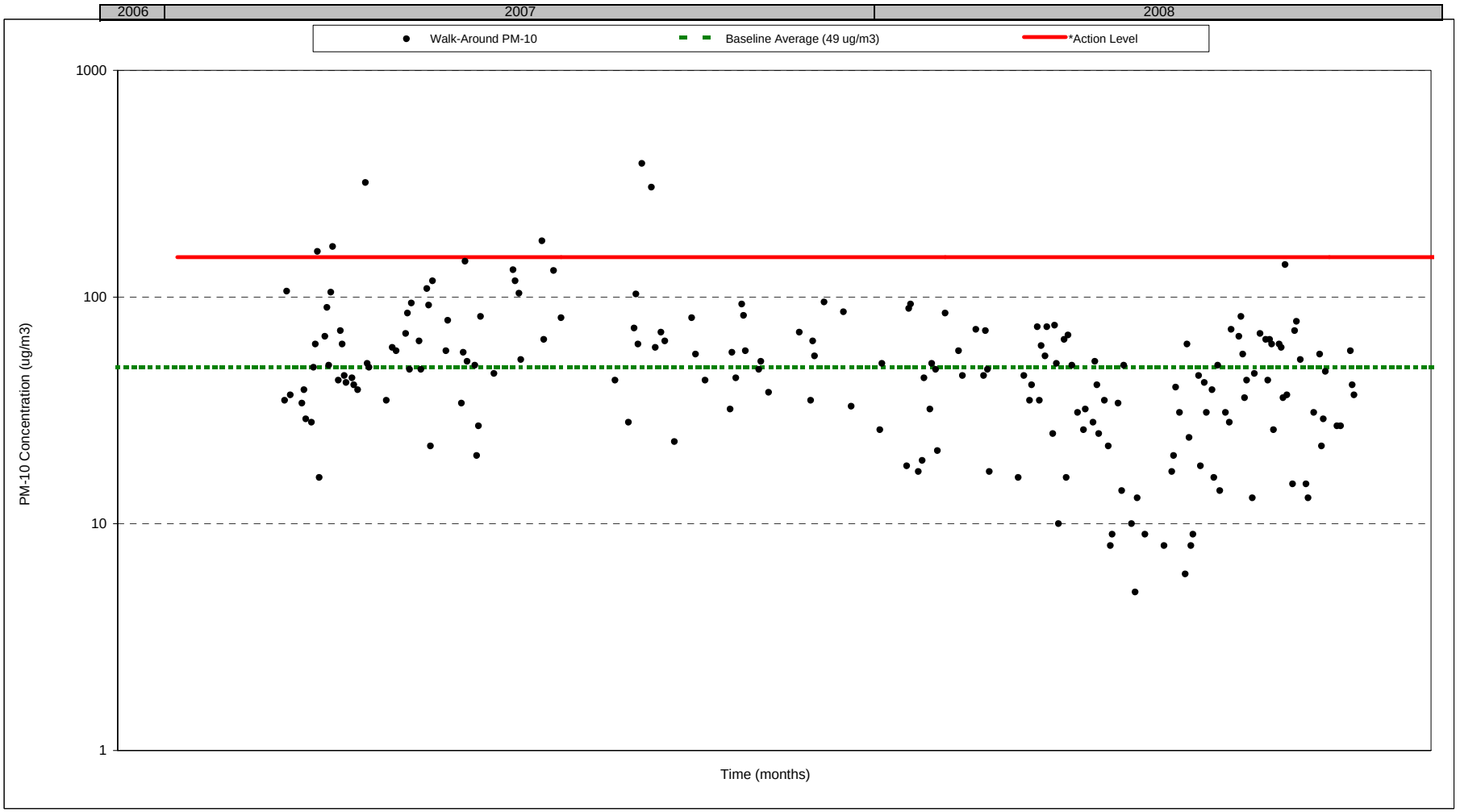
Bay Shore Figure 6-15

Figure 11
Supplemental Walk-Around Total Volatile Organic Compound Concentration Data
Community Air Monitoring Completion Report
Bay Shore/Brightwaters Former MGP Site
February 2009



Daily maximum 15-minute average TVOC concentration data at real-time fixed stations. The maximum value for all locations is plotted for each day.
* Concentrations of TVOC greater than 5.0 ppmv required a time-specific comparison of upwind to downwind concentrations to determine if a Site Condition 3 was reached. If the difference between upwind and downwind was not greater than 5.0 ppmv, an alert was not issued.

Figure 12
Supplemental Walk-Around Particulate Matter Concentration Data
Community Air Monitoring Completion Report
Bay Shore/Brightwaters Former MGP Site
February 2009



Daily maximum 15-minute average PM-10 concentration data from walkaround locations. The maximum value for all locations is plotted for each day.

* Concentrations of PM-10 greater than 150 ug/m3 required a time-specific comparison of upwind to downwind concentrations to determine if a Site Condition 3 was reached. If the difference between upwind and downwind was not greater than 150 ug/m3, an alert was not issued.

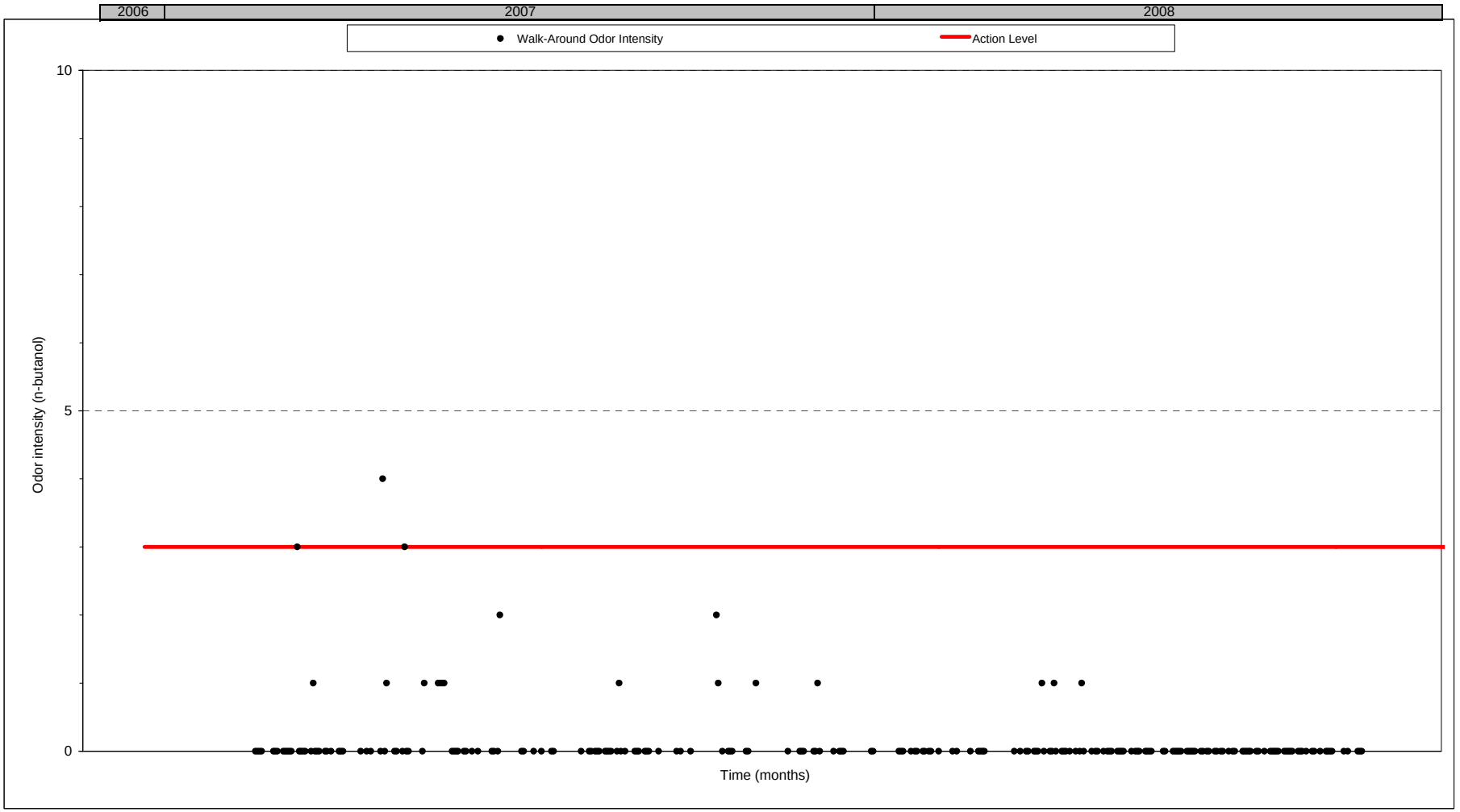
Figure 12
Supplemental Walk-Around Particulate Matter Concentration Data
Community Air Monitoring Completion Report
Bay Shore/Brightwaters Former MGP Site
February 2009

Comments

Notable conditions concluded to be Site Condition 1

3/15/2007	Values are a result of humidity interference.
3/23/2007	A Site Condition 1 remained based upon upwind to downwind comparison.
4/9/2007	Walkaround data at both upwind and downwind locations measured high concentrations of PM-10.
7/10/2007	Walkaround data at both upwind and downwind locations measured high concentrations of PM-10.
8/31/2007	Instrument affected by humidity.
9/5/2007	Insturment malfunction.

Figure 13
Supplemental Walk-Around Odor Intensity Data
Community Air Monitoring Completion Report
Bay Shore/Brightwaters Former MGP Site
February 2009



Daily maximum 15-minute average odor intensity data from walkaround locations are plotted for each day.
Odor intensity is based on the n-butanol scale

Figure 13
Supplemental Walk-Around Odor Intensity Data
Community Air Monitoring Completion Report
Bay Shore/Brightwaters Former MGP Site
February 2009

Comments

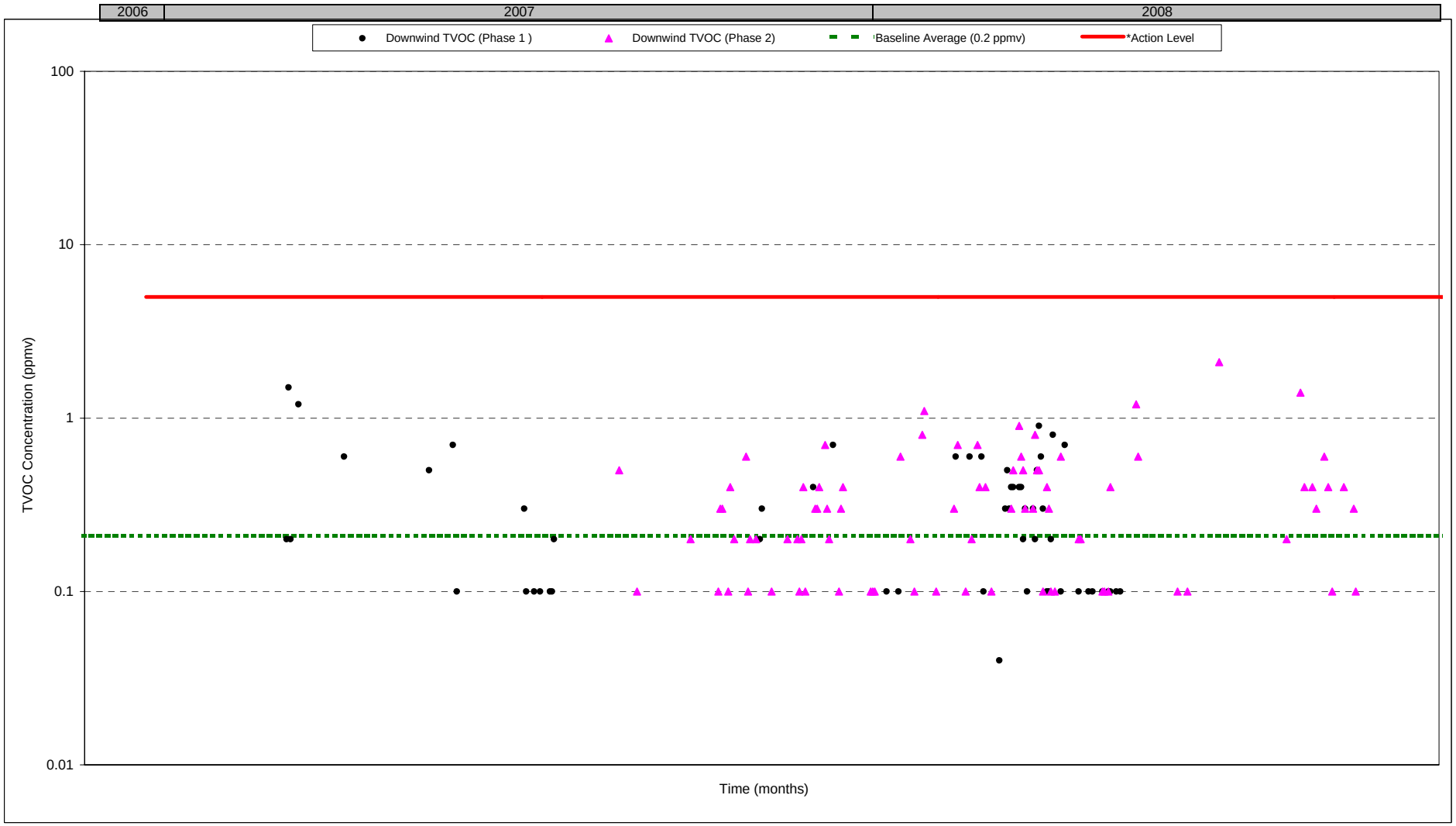
Notable conditions concluded to be a Site Condition 1

3/19/2007	Odor caused by vehicular exhaust.
5/12/2007	Odor caused by vehicular exhaust.

Notable conditions concluded to be a Site Condition 3

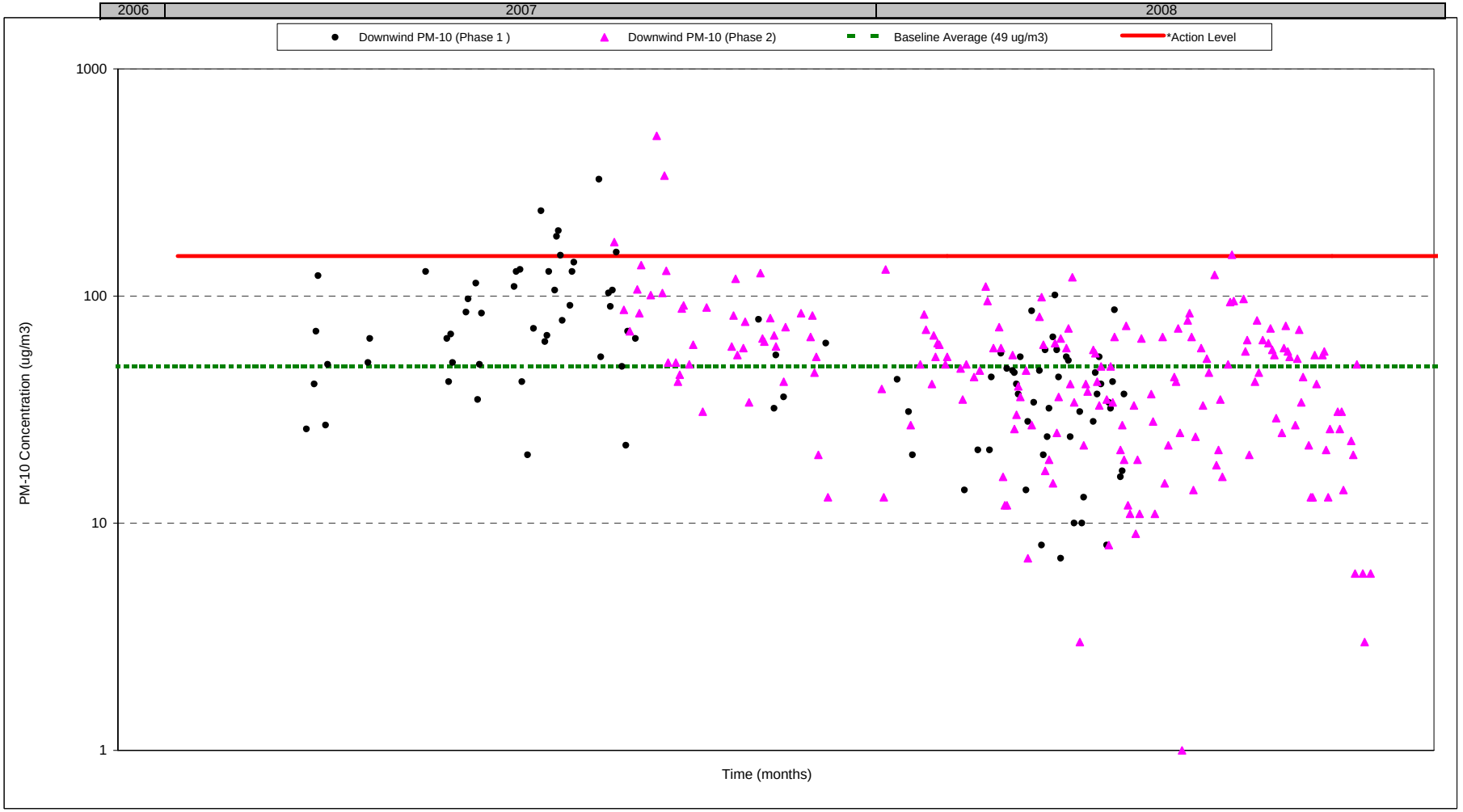
5/1/2007	Odor caused by petroleum and stockpiled excavated soil. Mitigated by odor suppresant foam.

Figure 14
Supplemental Downwind Total Volatile Organic Compound Concentration Data
Community Air Monitoring Completion Report
Bay Shore/Brightwaters Former MGP Site
February 2009



Maximum daily 15-minute average TVOC concentration data at real-time fixed stations. The maximum value recorded during downwind monitoring is plotted for each day.
* Concentrations of TVOC greater than 5.0 ppmv required a time-specific comparison of upwind to downwind concentrations to determine if a Site Condition 3 was reached. If the difference between upwind and downwind was not greater than 5.0 ppmv, an alert was not issued.

Figure 15
Supplemental Downwind Particulate Matter Concentration Data
Community Air Monitoring Completion Report
Bay Shore/Brightwaters Former MGP Site
February 2009



Daily maximum 15-minute average PM-10 concentration data from walkaround locations. The maximum value recorded for downwind monitoring is plotted for each day.
* Concentrations of PM-10 greater than 150 ug/m3 required a time-specific comparison of upwind to downwind concentrations to determine if a Site Condition 3 was reached. If the difference between upwind and downwind was not greater than 150 ug/m3, an alert was not issued.

Figure 15
Supplemental Downwind Particulate Matter Concentration Data
Community Air Monitoring Completion Report
Bay Shore/Brightwaters Former MGP Site
February 2009

Comments

Notable Conditions Concluded to be Site Condition 1

Phase 1

7/9/2007	Instrument interference from high humidity.
7/17/2007	Unloading of sheet piles. Mitigation by watering. High humidity onsite.
7/18/2007	Instrument interference from high humidity.
7/19/2007	Instrument interference from high humidity.
8/8/2007	Instrument interference from high humidity.
8/17/2007	Instrument interference from high humidity.

Phase 2

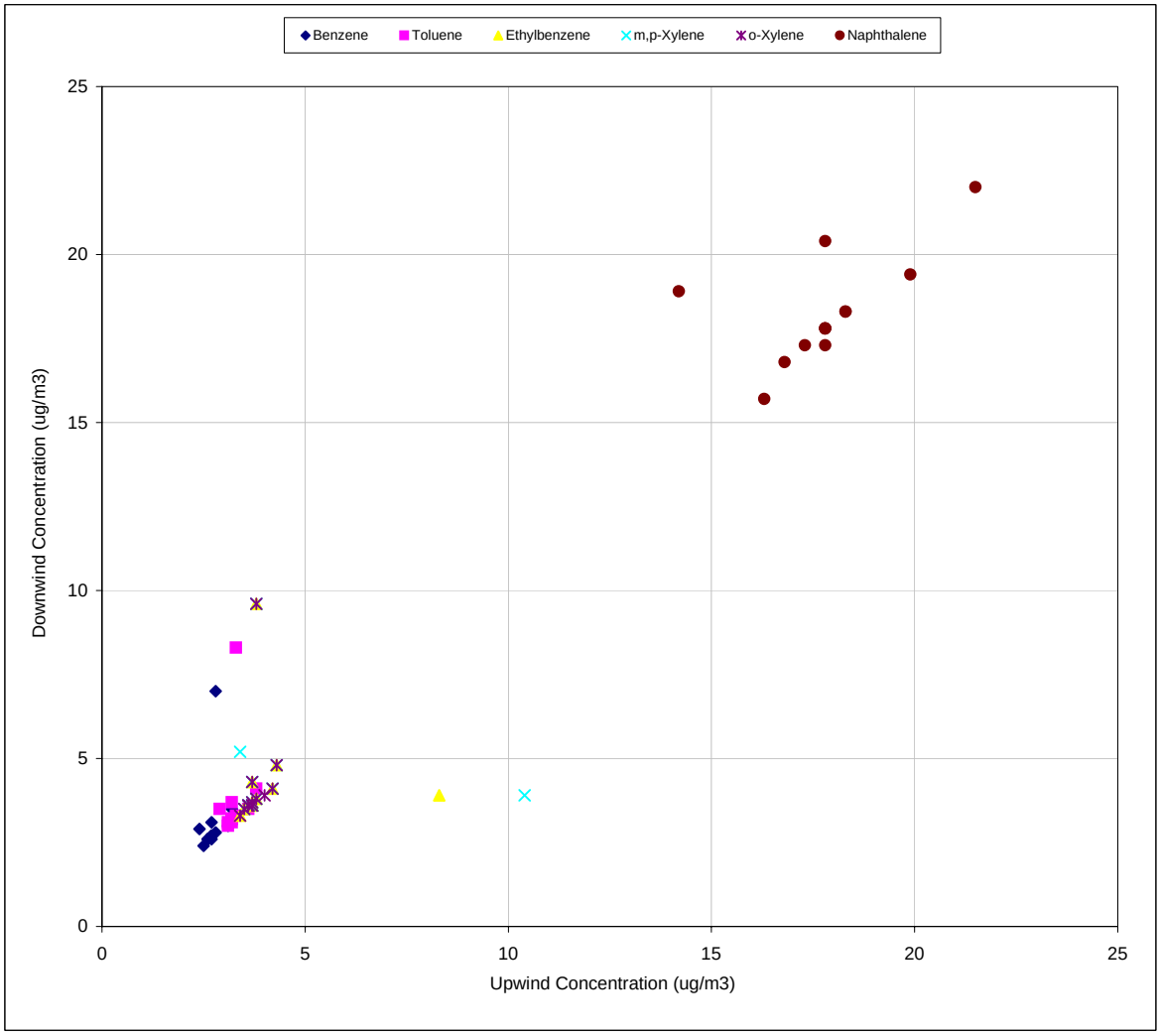
8/16/2007	Instrument intereference from high humidity.
9/7/2007	Instrument malfunction. Unit replaced.
9/11/2007	Insturment interference from high humidity caused by precipitation.
7/2/2008	Delivery of clean backfill.

Notable Conditions Concluded to be a Site Condition 2

Phase 2

5/10/2007	Grading of site surface by loader. Mitigation by water.

Figure 16
Downwind versus Upwind Concentrations for BTEX Compounds and Naphthalene
Community Air Monitoring Completion Report
Bay Shore/Brightwaters Former MGP Site
February 2009



Note: The toluene concentration of 565.3 measured on May 24, 2007 is not show on this graph.
µg/m^3 - microgram per cubic meter